ENERCON	CALCULATION COVER SHEET	CALC. NO. TXUT-001-FSAR 2.4.3-CALC-012
		REV. 2
		PAGE NO. 1 of 53

Title:	MITS004 – Probable Maximum Flood Calculation for Comanche Peak Nuclear Power Plant Units 3 and 4 (HEC-HMS & HEC-RAS)	Client: Luminant Project: MITS063 – Luminant COLA

Item	Cover Sheet Items	Yes	No
1	Does this calculation contain any open assumptions that require confirmation? (If **YES**, identify the assumptions)_____		X
2	Does this calculation serve as an "Alternate Calculation"? (If **YES**, identify the design verified calculation.) **Design Verified Calculation No.**_____		X
3	Does this calculation supersede an existing calculation? (If **YES**, identify the superseded calculation.) **Superseded Calculation No.**_____		X

Scope of Revision: The calculation has been revised to account for non-linear basin response for Squaw Creek and Paluxy River watersheds. The spillway discharge rating curves were revised to account for tailwater conditions. The HEC-HMS model was updated to include maximum baseflow instead of minimum baseflow. The calculation has been also revised to include a sensitivity analysis to account for different time to peak in determining backwater at toe of the Squaw Creek Reservoir Dam. The PMF elevation was adjusted in the end to account for different datum's used.

Revision Impact on Results: The critical storm centers for Paluxy and Squaw Creek watershed remain unchanged. However, the critical temporal distribution for the Paluxy River watershed has been changed to be center. The PMF elevation at the CPNPP site is increased to 793.66 ft (NAVD 88) and the revised backwater elevation at the toe of the dam is 761.05 ft.(NAVD 88).

Study Calculation	☐	**Final Calculation**	☒
Safety-Related	☒	**Non-safety-Related**	☐

(Print Name and Sign)

Originator: Anubhav Gaur **Barry L. Lodge**	**Date:** 6-18-10
Design Verifier: Kendra Dresback **Randall Kolar**	**Date:** 6/16/10
Approver: **Joe Mancinelli**	**Date:** 6/24/10

CALCULATION REVISION STATUS

REVISION	DATE	DESCRIPTION
0	August 06, 2008	Original Calculation
1	August 14, 2009	Revision - Recalculation to account for the updated coefficients for Snyder's unit hydrographs.
2		Revision – Recalculation to account for non-linear basin response; spillway rating curve revised for tailwater conditions; HEC-HMS model revised to include Maximum baseflow. The PMF elevation was adjusted to account for different datum's used.

PAGE REVISION STATUS

PAGE NO.	REVISION	PAGE NO.	REVISION
All	2		

APPENDIX REVISION STATUS

APPENDIX NO.	PAGE NO.	REVISION NO.	APPENDIX NO.	PAGE NO.	REVISION NO.
A	All	2			

ENERCON	CALCULATION DESIGN VERIFICATION PLAN AND SUMMARY SHEET	CALC. NO. TXUT-001-FSAR 2.4.3-CALC-012 REV. 2 PAGE NO. 3 of 53

Calculation Design Verification Plan:

Apply CSP Number 3.01 Revision 6, Section 4.5a Design Review Methods and to include at a minimum:

1. Review the changes due to Revision 2 and determine if the calculation provides a reasonable estimate of the PMF and the resulting water surface elevation.
2. Review the design methodology and determine if it is appropriate, correctly applied, and accurate.

(Print Name and Sign for Approval – mark "N/A" if not required)

Approver: Joe Mancinelli	**Date:** 6/24/10

Calculation Design Verification Summary:

After reviewing the Comanche Peak PMF calculation Revision 2, we have come to the following conclusions:

1. Revision 2 provides a recalculation of the PMF to account for non-linear basin response, revises the HEC-HMS model to include the maximum baseflow, revises the spillway rating curve for tailwater conditions, and datum conversion;
2. The methodology applied to this set of calculations is appropriate and has been applied correctly;
3. The calculation provides a reasonable estimate of the PMF for the Comanche Peak from the Paluxy River and Squaw Creek watersheds;
4. The Originator has considered all recommendations given during the review process and has made appropriate revisions;
5. The calculations were independently checked and any errors that were discovered have been corrected in the final version of the calculation sheets;
6. The Revision 2 calculation methodology, assumptions and inputs applied are reasonable and are in accordance with CSP Number 3.01 Revision 6.

Based on the above summary, the calculation is determined to be acceptable.

(Print Name and Sign)

Design Verifier: Kendra Dresback **Randall Kolar**	**Date:** 6/16/10
Others:	**Date:**

ENERCON	CALCULATION DESIGN VERIFICATION CHECKLIST	CALC. NO. TXUT-001-FSAR 2.4.3-CALC-012 REV. 2 PAGE NO. 4 of 53

Item	Cover Sheet Items	Yes	No	N/A
1	Design Inputs - Were the design inputs correctly selected, referenced (latest revision), consistent with the design basis and incorporated in the calculation?	X		
2	Assumptions – Were the assumptions reasonable and adequately described, justified and/or verified, and documented?	X		
3	Quality Assurance – Were the appropriate QA classification and requirements assigned to the calculation?	X		
4	Codes, Standard and Regulatory Requirements – Were the applicable codes, standards and regulatory requirements, including issue and addenda, properly identified and their requirements satisfied?	X		
5	Construction and Operating Experience – Have applicable construction and operating experience been considered?			X
6	Interfaces – Have the design interface requirements been satisfied, including interactions with other calculations?	X		
7	Methods – Was the calculation methodology appropriate and properly applied to satisfy the calculation objective?	X		
8	Design Outputs – Was the conclusion of the calculation clearly stated, did it correspond directly with the objectives and are the results reasonable compared to the inputs?	X		
9	Radiation Exposure – Has the calculation properly considered radiation exposure to the public and plant personnel?			X
10	Acceptance Criteria – Are the acceptance criteria incorporated in the calculation sufficient to allow verification that the design requirements have been satisfactorily accomplished?	X		
11	Computer Software – Is a computer program or software used, and if so, are the requirements of CSP 3.02 met?	X		

COMMENTS:

(Print Name and Sign)	
Design Verifier: Kendra Dresback Kendra Dresback **Randall Kolar** Randall Kolar	**Date:** 6/16/10
Others:	**Date:**

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1.0 Purpose And Scope

To determine the Probable Maximum Flood (PMF) at Comanche Peak Nuclear Power Plant (CPNPP) Units 3 and 4 using HEC-HMS computer software (Reference 7) and HEC-RAS computer software (Reference 8). The calculation also estimates the water surface elevation at the confluence of Brazos River and Paluxy River, resulting from flows due to the Dam Break Analysis (Reference 4) and PMF on Squaw Creek and Paluxy River watersheds using HEC-RAS computer software.

2.0 Summary Of Results And Conclusions

The results from the HEC-HMS analysis indicate that due to the PMF at the Squaw Creek Reservoir (SCR) the maximum inflow is 319,000 cubic feet per second (cfs) with a water surface elevation of 793.00 feet (ft). Thus, the maximum outflow from the reservoir is 206,000 cfs. Additionally to account for datum differences, the PMF water surface elevation is increased by 0.66 ft. Therefore, the resulting PMF water surface elevation is 793.66 ft (793.0 ft + 0.66 ft)

The results from the HEC-RAS analysis indicate that the resulting maximum backwater flow on the downstream side of the Squaw Creek dam is 100,440 cfs with a water surface elevation of 760.39 ft. The water surface elevation at the downstream side of the Squaw Creek dam with adjustment due to different datum will be 761.05 ft (760.39 ft + 0.66 ft).

The plant grade for all CPNPP Units 3 and 4 safety related structures is set at 822 ft (Reference 5). Therefore, neither the PMF on the upstream side or the backwater will not impact any safety related structures at CPNPP Units 3 and 4.

3.0 References

1. ESRI ArcGIS, Release 9.2, Copyright 1999-2006.
2. Squaw Creek Dam TXU 04627 Breach Analysis, April 2008, Prepared for TXU by Freese and Nichols, Inc.
3. Enercon Calculation, “TXUT-001-FSAR 2.4.3-CALC-011, Rev 2 Probable Maximum Precipitation Calculation for Comanche Peak Nuclear Power Plant Units 3 and 4 using HMR 51 & HMR 52, Rev 1.”
4. Enercon Calculation, “TXUT-001-FSAR 2.4.4-CALC-015, Rev 1 Brazos River Dam Failure Analysis for Comanche Peak Nuclear Power Plant Units 3 and 4.”
5. Luminant/Comanche Peak Units 3 & 4 MNES US APWR, Site Plan, Drawing - GAS-05-11-100-002 Rev. D, by Washington Group International, July 10, 2008.
6. United States Geological Survey USGS, Website http://nwis.waterdata.usgs.gov/, Monthly Statistics for USGS 08091750 Squaw Ck near Glen Rose, TX. Data extracted February 7, 2008.
7. U.S. Army Corps of Engineers, Hydrologic Engineering Center, Hydrologic Modeling System, HEC-HMS computer software, Version 3.4, Build 1361, Date 19 August 2009.
8. U.S. Army Corps of Engineers, Hydrologic Engineering Center, River Analysis System, HEC-RAS computer software, Version 3.1.3.

9. U.S. Army Corps of Engineers, Hydrologic Engineering Center, HEC-RAS River Analysis System, Hydraulic Reference Manual, Version 3.1, November 2002.
10. Bedient P.B., Huber W.C., "Hydrology and Flood Plain Analysis, Third Edition," Prentice Hall Upper Saddle River, NJ07458, 2002.
11. Texas Utilities Services Inc., Comanche Peak Stream Electric Station CPSES 1980-1982, Units 1 and 2, "Safe Shutdown Impoundment Dam, Design Calculations and Calculations Check," Volume 1, by Freese and Nichols.
12. Texas Utilities Services Inc., Comanche Peak Stream Electric Station CPSES 1980-1982, Units 1 and 2, "Safe Shutdown Impoundment Dam, Design Calculations and Calculations Check," Volume 2, by Freese and Nichols.
13. The Texas Water Development Board, "Volumetric and Sedimentation Survey for Squaw Creek Reservoir, December 2007 Survey," August 2008.
14. Freese and Nichols, Operation and Maintenance Procedures, Squaw Creek Dam, Fort Worth, Texas, 1977.
15. Chow V.T., Maidment D.R., Mays L.W., "Applied Hydrology," McGraw Hill, New York, 1988.
16. Autodesk, AutoCAD Civil 3D 2010 software.
17. Comanche Peak Steam Electric Station. Texas Utilities Generation Company (TXU), "Final Safety Analysis Report (FSAR)," Amendment 101. Comanche Peak Steam Electric Station. Glen Rose, Texas (February 1, 2007).
18. U.S. Nuclear Regulatory Commission, "Design Basis Floods for Nuclear Power Plants," Regulatory Guide 1.59, August 1977.
19. American Nuclear Society, "Determining Design Basis Flooding at Power Reactor Sites," ANSI/ANS-2.8-1992, July 28, 1992.
20. U.S. Nuclear Regulatory Commission, "Standard Format and Content of Safety Analysis Reports for Nuclear Power Plants," Regulatory Guide 1.70, November 1978.
21. U.S. Nuclear Regulatory Commission, "Flood Protection for Nuclear Power Plants," Regulatory Guide 1.102, September 1976.
22. U.S. Nuclear Regulatory Commission, "Combined License Applications for Nuclear Power Plants," Regulatory Guide 1.206, June 2007.
23. U.S. Nuclear Regulatory Commission, "Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants," NUREG-0800, May 2007.
24. U.S. Nuclear Regulatory Commission, "Early Site Permits; Standard design Certifications; and Combined Licenses for Nuclear Power Plants," 10 CFR Part 52, August 2007.
25. U.S. Nuclear Regulatory Commission, "Industry Guidelines for Combined License Applicants under 10 CFR Part 52," NEI 04-05, October 2005.
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27. Bureau of Reclamation, "Design of Small Dams," Third Edition 1987.

28. Federal Highway Administration, "Hydraulic Design Series Number 5, Hydraulic Design of Highway Culverts," FHWA-NHI-01-020 HDS No. 5, Second Edition, May 2005.

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30. Freese & Nichols Spillway Discharge Hydraulic Design Calculation Design Handbook # 2 – Hydraulics, Transmittal Letter from Janis C. Murphy (Freese & Nichols) to Kurt Roblyer (Enercon), dated April 2, 2010.

31. Maidment, D.R., "Handbook of Hydrology," McGraw-Hill, 1993.

32. National Geodetic Survey, Website, http://www.ngs.noaa.gov/TOOLS/Vertcon/vertcon.html, accessed May 2010.

4.0 Assumptions

The following assumption was made for this analysis:

- The tailwater at the Squaw Creek Reservoir is assumed to be at an elevation of 776 feet, which is one foot above the spillway crest. The discharge coefficient for the spillway was reduced in accordance with Figure 9-28 (Reference 27), which will result in a higher water surface elevation in the SCR. This elevation will be compared with the water surface elevation at the downstream end of the SCR dam calculated with the HEC-RAS software. If the calculated water surface elevation is found to be lower than the assumed tailwater elevation of 776 feet, the assumed elevation will provide a conservative value for the PMF elevation in the SCR, and will be used for the calculations.

5.0 Design Inputs

The U.S. Army Corps of Engineers (USACE), Hydrologic Engineering Center-Hydrologic Modeling System (HEC-HMS) software (Reference 7) was used for the rainfall runoff calculation. The inputs to the HEC-HMS are: the Probable Maximum Precipitation (PMP) estimates as described in Section 7.0 Calculations, rainfall distribution, drainage basin characteristics loss rates, unit hydrographs, base flow, reservoir stage discharge, elevation discharge curves, channel slope, reach length, channel cross sections, and roughness coefficients. The methodology and inputs used in determining PMP estimates are explained in detail within the separate Enercon Calculation entitled "TXUT-001-FSAR 2.4.3-CALC-011, Probable Maximum Precipitation Calculation for Comanche Peak Nuclear Power Plant Units 3 and 4 using HMR 51 & HMR 52" (Reference 3), hereafter referred as Enercon PMP Calculation. The source code for the HEC-HMS software has been maintained by USACE.

The U.S. Army Corps of Engineers River Analysis System (HEC-RAS) software, version 3.1.3 (Reference 8) was used to calculate the effects of backwater from the confluence of the Squaw Creek, the Paluxy River and the Brazos Rivers due to the PMF and upstream dam failures. Input to the HEC-RAS consists of flow hydrographs obtained from HEC-HMS, cross section geometry,

channel length, channel slope, roughness coefficients, and inline structure geometry. Cross-section geometry, channel length, channel slope and inline structure geometry were the inputs obtained from the Dam Breach Analysis and are explained in Section 7.0. The source code for the HEC-RAS software has been maintained by USACE.

6.0 Methodology

The following listed design guides were considered in evaluating the PMF Calculation for CPNPP Units 3 and 4 using HEC-HMS & HEC-RAS computer software. All other procedures, instructions and design guides listed in Section 5.4 of Project Planning Document (PPD No. TXUT-001, Rev. 3) are not specifically applicable in evaluating the PMF calculation.

- U.S. Nuclear Regulatory Commission, “Standard Review Plan,” NUREG-0800, March 2007 (Reference 23).
- U.S. Nuclear Regulatory Commission, “Design Basis Floods for Nuclear Power Plants, Alternative Methods of Estimating Probable Maximum Floods,” Regulatory Guide 1.59, August 1977 (Reference 18).
- American Nuclear Society, “Determining Design Basis Flooding at Power Reactor Sites,” ANSI/ANS-2.8-1992, July 28, 1992 (Reference 19).
- U.S. Nuclear Regulatory Commission, “Standard Format and Content of Safety Analysis Reports for Nuclear Power Plants”, Regulatory Guide 1.70, November 1978 (Reference 20).
- U.S. Nuclear Regulatory Commission, “Flood Protection for Nuclear Power Plants”, Regulatory Guide 1.102, September 1976 (Reference 21).
- U.S. Nuclear Regulatory Commission, “Combined License Applications for Nuclear Power Plants (LWR Edition),” Regulatory Guide 1.206, June 2007 (Reference 22).
- U.S. Nuclear Regulatory Commission, “Early Site Permits; Standard design Certifications; and Combined Licenses for Nuclear Power Plants”, 10 CFR Part 52, August 2007 (Reference 24).
- U.S. Nuclear Regulatory Commission, “Industry Guidelines for Combined License Applicants under 10 CFR Part 52”, NEI 04-05, October 2005 (Reference 25).

The Regulatory Guide 1.59 (Reference 18) indicates use of ANSI N170-1976 "Standards for Determining Design Basis Flooding at Power Reactor Sites." ANSI/ANS-2.8-1992 (Reference 19) was issued to supersede ANSI N170-1976. Although ANSI/ANS-2.8-1992 has been withdrawn, as of June 2010 a replacement standard has not been issued by American Nuclear Society. The NRC NUREG-0800, March 2007 (Reference 23), includes ANSI/ANS-2.8-1992 as a historical technical reference.

The drainage areas for Paluxy River and Squaw Creek watersheds are referenced from the Squaw Creek Dam TXU 04627 Breach Analysis (Reference 2), hereafter referred to as the Dam Breach Analysis. The drainage area boundaries shown in the Dam Breach Analysis were digitized in AutoCAD and scaled to represent the respective drainage areas for the four drainage sub-basins. The watershed shape and areas were compared by superimposing the United States Geological Survey’s (USGS) topographical map on AutoCAD drawing. USGS topographic maps were obtained from the USDA’s Geospatial Data Gateway (Reference 26), and the drainage basin boundaries were mapped using ArcGIS software (Reference 1). The coordinates were verified by comparing the drainage areas with the USGS topographic map. The drainage areas reported for the sub-basins in the Dam Breach Analysis were verified to be an acceptable representation for the watershed.

HEC-HMS version 3.4 modeling software and HEC-RAS version 3.1.3 modeling software were used to calculate the rainfall runoff and resulting water surface elevation. The methodology used within the HEC-HMS computer software includes Snyder's unit hydrograph, which allows for a 20 percent increase to the peak of the unit hydrograph to account for non-linearity (Reference 31), Muskingum-Cunge channel routing, Lag Time and Peaking Coefficient, Initial and Constant loss model, constant monthly base flow model and Muskingum-Cunge 8-point cross section routing model. The remaining ordinates of the unit hydrograph were adjusted to maintain a smooth unit hydrograph and the standard characteristics of 1 inch of runoff. The ordinates were adjusted through trial and error using Microsoft Excel.

The methodology used within the HEC-RAS computer software includes the Unsteady NETwork Simulator (UNET) equation solver for unsteady flow momentum equations. The unsteady flow analysis allows the user to view the change in depth as a function of both time and space. The UNET simulates one-dimensional unsteady flow through a network of open channels. In addition to solving the network, UNET provides the ability to apply external and internal boundary conditions. The HEC-RAS uses an unsteady solver at each node for each time step, and data were organized for each cross-section. The unsteady analysis gives the flexibility to view the dynamics of a flood wave as it moves downstream.

The HEC-HMS, HEC-RAS, AutoCAD 2010 (Reference 16), Microsoft Excel, and ArcGIS software are validated per CSP 3.02, Revision 5. The validation and verification documents are maintained by Enercon as part of the Quality Assurance program.

USGS quadrangles and other locations and elevations discussed herein are relative to the Texas State Plane coordinate system, North American Datum of 1927 (NAD 27), and National Geodetic Vertical Datum of 1929 (NGVD 29) unless noted otherwise. The plant site grading plan is based on the Texas State Plane coordinate system, North American Datum of 1983 (NAD 83), and North American Vertical Datum of 1988 (NAVD 88).

According to the National Geodetic Survey (Reference 32) and as shown in Figure 6-1, the datum shift of NAVD 88 – NGVD 29 is between 0 and +20 cm for the CPNPP Site and upstream areas in the vicinity of the dams analyzed. Therefore, it is conservative to use the maximum conversion value when comparing water surface elevations determined from USGS quadrangles (NGVD 29) to elevations at the site (NAVD 88). Therefore, the PMF water surface elevation and the backwater elevation at the toe of the Squaw Creek Dam are increased by 0.66 ft (+20cm) to account for the datum differences.

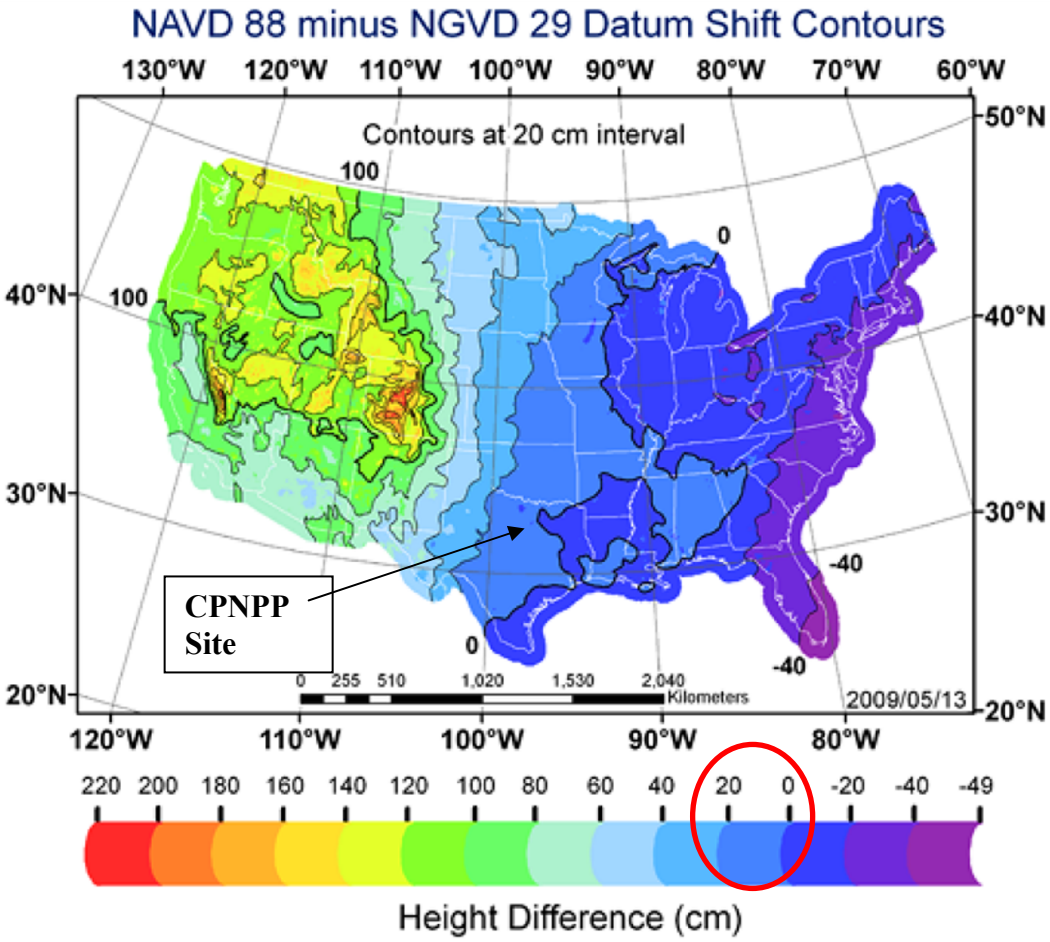


Figure 6-1. NAVD 88 Minus NGVD 29 Datum Shift Contours

7.0 Calculations

Background

The Squaw Creek Dam and the Paluxy River watersheds were analyzed in detail within the Texas Utilities Services Inc., Comanche Peak Steam Electric Station Units 1 and 2 CPSES SSI Dam Design Calculation and Calculation Check, Volume 1 and 2 (Reference 11 and Reference 12), hereafter referred as the SSI Dam Design Calculation. The Squaw Creek Dam watershed was further studied within the Dam Breach Analysis. The SSI Dam Design Calculation and Dam Breach Analysis were reviewed by Enercon.

Watershed

CPNPP Units 3 and 4 are located within the Squaw Creek watershed. Squaw Creek is a tributary of the Paluxy River, and in turn the Paluxy River is a tributary of the Brazos River. The Squaw Creek and the Paluxy River watersheds are divided into four basins, as shown in Figure 7-1. Basins 1 and 2 represent the Squaw Creek watershed, and Basins 3 and 4 represent the Paluxy River watershed. The area upstream of the SCR is steeper and has different basin properties compared to the area around and within the SCR. Due to the variation of slope, Basin 1 has been further subdivided into three sub-basins: 1a, 1b and 1c. Basin 1a represents the drainage area above SCR, Basin 1b represents the contributing area adjacent to SCR, and Basin 1c represents SCR. Basin 2 represents the Squaw Creek watershed downstream of the Squaw Creek Dam to the confluence of the Squaw Creek and the Paluxy River. Basin 3 represents the Paluxy River watershed from the confluence of Squaw Creek to the city of Glen Rose. Basin 4 represents the drainage area north of Glen Rose. The general drainage pattern is flowing to the southeast and ultimately drains into the Brazos River.

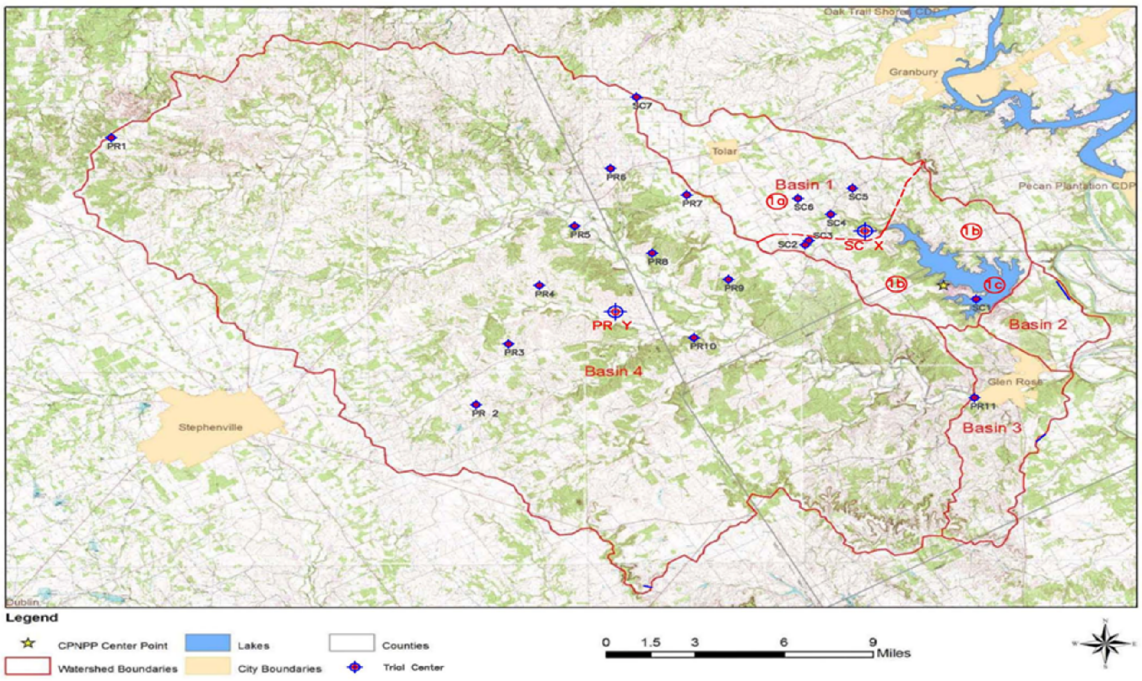


Figure 7-1 – Squaw Creek and Paluxy River watersheds

Rainfall Distribution

The rainfall estimates were obtained from the Enercon PMP Calculation. An antecedent storm equal to 40 percent of the PMP precedes the PMP storm with a 3 day dry period between the storms, as described in Nuclear Regulatory Commission (NRC) Regulatory Guide 1.59 (Reference 18) and ANSI/ANS-2.8-1992 (Reference 19), and was considered for the PMF analysis. A sensitivity analysis was performed for various storm center locations within each watershed in determining the critical storm center for the PMP. The hyetograph resulting in the greatest runoff flow and highest elevation was used for the critical storm center. The trial storm center locations are shown in Figure

7-1. The critical storm centers for the Squaw Creek and the Paluxy watersheds are SC X and PR Y, respectively. The critical temporal distribution of the PMP at the critical storm center is determined by watershed rainfall runoff analysis using HEC-HMS. In order to reduce the number of distributions for evaluation, four distributions were chosen that bracket the range of possible hyetographs. The four distributions are one-third peaking event, center peaking event, two-thirds peaking event, and end peaking event. The analysis indicates that the two-thirds and the center temporal distributions are the critical temporal distributions for the Squaw Creek and the Paluxy River watersheds, respectively. The PMP distributions are explained in detail within the Enercon PMP calculation (Reference 3) and are not repeated here.

Baseflow

Baseflow information for USGS gage 08091750 was obtained from the USGS website (Reference 6). Prior to completion of the Squaw Creek Dam, USGS gage 08091700 was located upstream of CPNPP Units 3 and 4 on Panter Branch, a tributary of Squaw Creek. The flow measurement period of record available for gage 08091700 is from 1966 to 1973. Gage 08091750 has a period of record from 1977 to present. Gage 08091750 represents the more current data and is used to represent the Squaw Creek and the Paluxy River watersheds. The gage locations are shown in Figure 7-2. The area that drains to gage 08091750 is 70.3 square miles (sq mi). The average monthly flows for gage 08091750 were obtained from the USGS website (Reference 6). The highest of these monthly flows was used as the baseflow. The highest monthly baseflow of 46 cfs was for the month of June. Since the basin areas are different from gage area (70.3 sq mi), the baseflow of 46 cfs was adjusted on the basis of the ratio of basin drainage area to the gage area as shown in Tables 7-1 and 7-2 below. The adjusted baseflow was then applied as a constant baseflow for all months in the HEC-HMS model. Basin 1 has a total area of 64.2 sq mi. The baseflow is calculated for total area of Basin 1 and is applied to sub-basins 1a, 1b and 1c. This baseflow will be more than individual baseflow for sub-basins 1a, 1b and 1c, and will result in higher runoff to the Squaw Creek Reservoir.

Table 7-1: Average monthly baseflow for USGS Gage 08091750

Month	Average Baseflow (cfs)	Month	Average Baseflow (cfs)
January	12	July	9.7
February	18	August	13
March	28	September	11
April	21	October	13
May	44	November	13
June	46	December	24

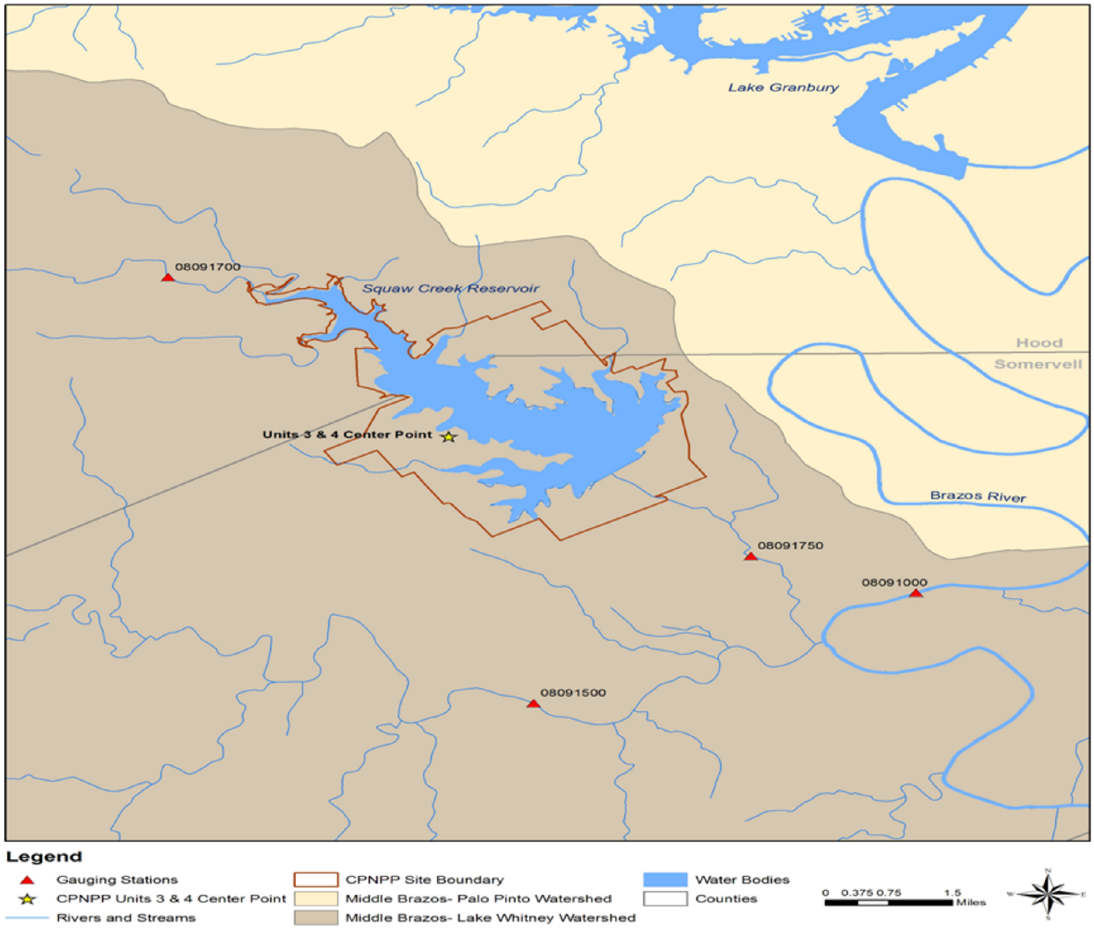


Figure 7-2 – USGS Gage locations

Table 7-2: Adjusted baseflow for PMF analysis

	Area (sq mi)	Multiplication Factor (Basin Area/ Gage Area)	Adjusted Baseflow (46* Multiplication factor) (cfs)
Basin1a, 1b & 1c	64.2	64.2/70.3 = 0.91	42.01
Basin2	10.65	10.65/70.3 = 0.15	6.97
Basin3	24.3	24.3/70.3 = 0.35	15.90
Basin4	410	410/70.3 = 5.83	268.28

Note: Adjusted Baseflow values were calculated without rounding the multiplication factors.

Unit Hydrograph

The unit hydrographs for the Squaw Creek and the Paluxy River watershed were derived using Snyder's Method (Reference 10). This is consistent with the method used in the original Dam Breach Analysis, and the area of each of the basins in the current model falls within the applicable range for Snyder's method.

The Snyder's unit hydrograph method was used within the HEC-HMS model to calculate runoff.

$$Q_p = 640C_p\ A/t_p \qquad \text{(Equation 1) (Reference 10)}$$

where:
Q_p = peak discharge of the unit hydrograph (cfs)
A = Drainage area (sq mi)
C_p = Peaking coefficient ranging from 0.4 to 0.8 where, larger values of C_p are associated with smaller values of C_t
t_p = Basin Lag Time (hr)

The Basin Lag Time for Snyder's method is defined as:

$$t_p = C_t\ (LL_{ca})^{0.3} \qquad \text{(Equation 2)(Reference 10)}$$

where:
t_p = Basin Lag (hr)
L = Length of the main stream from the outlet to divide (mi)
L_{ca} = Length along the main stream to a point nearest the watershed centroid (mi)
C_t = coefficient usually ranging from 1.8 to 2.2 (C_t has found to vary from 0.4 in mountainous areas to 8.0 along the Gulf of Mexico)

The higher values of C_p (0.8) and lower values of C_t (0.4), result in higher runoff and will be more conservative. Therefore, unit hydrographs were derived using a C_p value of 0.8 and a C_t value of 0.4.

L is the length of the main stream from the most upstream point to the most downstream point on the reach within the basin, and was calculated using ArcGIS (Reference 1) . The calculated values of L and those obtained from the Dam Breach Analysis are shown in Table 7-3. The calculated values of L are smaller than the L values obtained from the Dam Breach Analysis. It is assumed that the Dam Breach Analysis used L as channel length from basin outlet to the most upstream watershed boundary or the longest travel time length. However, the smaller length will reduce the routing distance and time, which will result in higher runoff. Therefore, the calculated values of L were used in Lag time estimates.

L_{ca} is the length along the main stream to a point nearest the watershed centroid and was calculated using ArcGIS. The watershed centroid locations for Basins 1 through 4 were determined using HMR52. The HMR52 methodology and inputs are explained in detail in the Enercon PMP Calculation. The centroid location was plotted on AutoCAD using centroid co-ordinates. The length on the main stream nearest the centroid location was then calculated using ArcGIS. The calculated L_{ca} lengths are shown in Table 7-3. The L_{ca} values were compared to those found in the Dam Breach Analysis. The calculated values of L_{ca} for Squaw Creek & Paluxy River watersheds are the same as used in the Dam Breach Analysis and the SSI Dam Design, and these values are shown in Table 7-3.

Table 7-3: Calculated and Referenced values of L and Lca

Basin	Calculated L (mi)	Calculated L_{ca} (mi)	Dam Breach Analysis L (mi)	Dam Breach Analysis L_{ca} (mi)
Basin 1a	13.7	6.5	13.7	6.5
Basin 1b	5.3	2.5	5.3	2.5
Basin 1c	-	-	-	-
Basin 2	4.6	3.0	6.3	3.0
Basin 3	4.9	5.6	12.2	5.6
Basin 4	59.3	25.8	60.6	25.8

The time base T_b for the Snyder's unit hydrograph was estimated using following equation.

$$T_b = 3 + t_p/8 \qquad \text{(Equation 3)(Reference 10)}$$

where:
T_b = Time base of the unit hydrograph (hr)
t_p = Basin Lag (hr)
For small watersheds T_b should be replaced by a value 3 to 5 times the value of t_p (Reference 10).
To better estimate T_b, a multiplication factor of 3 was chosen.

$$T_b = 3 * t_p \qquad \text{(Equation 4) (Reference 10)}$$

The shape of the Snyder hydrograph is further defined by the width equations at 50 percent and 75 percent of Qp and are as follows:

$$W_{75} = 440\ (Q_p/A)^{-1.08} \qquad \text{(Equation 5) (Reference 10)}$$
$$W_{50} = 770\ (Q_p/A)^{-1.08} \qquad \text{(Equation 6) (Reference 10)}$$

where:
Q_p = peak discharge of the unit hydrograph (cfs)
A = Drainage area (sq mi)

Nonlinear Basin Response

To account for nonlinear basin response at high rainfall rates the Snyder's unit hydrograph was modified by increasing the peak of the unit hydrograph by 20 percent. The unit hydrograph was then adjusted to maintain the 1 in. of runoff characteristic for unit hydrographs.

Table 7-4: Snyder's Unit Hydrograph Parameters

Basin	Area	C_t	C_p	L (mi)	L_{ca} (mi)	Q_p (cfs)	t_p (hr)	3* t_p (hr)	T_b (hr)	W_{75} (hr)	W_{50} (hr)
Basin 1a & 1c	43.9	0.4	0.8	13.7	6.5	14,615	1.54	4.61	3.19	0.83	1.45
Basin 1b	20.3			5.3	2.5	11,969	0.87	2.61	3.11	0.45	0.78
Basin 2	10.65			4.6	3.0	6203	0.88	2.64	3.11	0.45	0.79
Basin 3	24.3			4.9	5.6	11,516	1.08	3.24	3.14	0.57	0.99
Basin 4	410			59.3	25.8	58,156	3.61	9.23*	3.45	2.09	3.65

*Note: Please refer to explanation below

As discussed, T_b shall be equal to 3* t_p for smaller watersheds. Although Basin 4 is only 4.1% (410 sq. miles/10,000 sq. miles) of the maximum area to be used in the Snyder's method, it will be considered a large watershed which will strengthen the conservative approach to the calculations. The calculated T_b for Basin 4 is 3.45 hr, based on Equation 3 above which is less than the time to peak t_p value of 3.61 cfs. To construct a hydrograph T_b value needs to be greater than t_p. The T_b value for Basin 4 was chosen by trial and error to obtain a hydrograph shape. The selected T_b value 9.23 hr is less than 10.83 hr (3* t_p).

The Snyder Unit Hydrograph was sketched based on estimated values of t_p, Q_p, T_b, W_{50} and W_{75}. The Snyder's unit hydrograph and the modified unit hydrograph (to account for nonlinear basin response) for Basins 1a & 1c, 1b, 2, 3, and 4 are shown below in Figures 7-3 to 7-7 and listed in Tables 7-5 to 7-9, respectively. The time step for the unit hydrograph is 0.1 hr (6 min), therefore volume in sq mi.-in., was calculated as Runoff * (0.1*60*60) *12/(5280 *5280). The total of these estimates are divided by corresponding basin area to ensure unit hydrograph characteristics are maintained.

Basin 1a & 1c

Table 7-5: Basin 1a & 1c Snyder's Unit Hydrograph and Modified Unit Hydrograph (+20% peak)

Time (hr)	Estimated Unit Hydrograph Discharge (cfs)	Volume (sq. mi.-in.)	Modified Unit Hydrograph Discharge (cfs)	Volume (sq. mi.-in.)	Time (hr)	Estimated Unit Hydrograph Discharge (cfs)	Volume (sq. mi.-in.)	Modified Unit Hydrograph Discharge (cfs)	Volume (sq. mi.-in.)
0	0		0		2.4	8600	1.33	8000	1.24
0.1	1400	0.22	400	0.06	2.5	7308	1.13	7308	1.13
0.2	2200	0.34	1200	0.19	2.6	7000	1.08	6900	1.07
0.3	2800	0.43	2000	0.31	2.7	6700	1.04	6500	1.01
0.4	3400	0.53	2600	0.40	2.8	6300	0.98	6100	0.95
0.5	4200	0.65	3200	0.50	2.9	5900	0.91	5750	0.89
0.6	4800	0.74	4000	0.62	3	5500	0.85	5300	0.82
0.7	5200	0.81	5000	0.77	3.1	4900	0.76	4750	0.74
0.8	5800	0.90	5800	0.90	3.2	4500	0.70	4300	0.67
0.9	6600	1.02	6600	1.02	3.3	4100	0.64	3900	0.60
1	7308	1.13	7308	1.13	3.4	3700	0.57	3500	0.54
1.1	9000	1.39	9000	1.39	3.5	3300	0.51	3200	0.50
1.2	10,000	1.55	10,000	1.55	3.6	3000	0.46	2700	0.42
1.3	10,961	1.70	10,961	1.70	3.7	2600	0.40	2300	0.36
1.4	14,500	2.25	17,000	2.63	3.8	2200	0.34	1900	0.29
1.5	14,615	2.26	17,538	2.72	3.9	1950	0.30	1800	0.28
1.6	14,600	2.26	17,000	2.63	4	1700	0.26	1600	0.25
1.7	14,300	2.22	16,000	2.48	4.1	1500	0.23	1200	0.19
1.8	14,000	2.17	15,000	2.32	4.2	1300	0.20	1000	0.15
1.9	13,400	2.08	14,000	2.17	4.3	1000	0.15	700	0.11
2	10,961	1.70	10,961	1.70	4.4	700	0.11	400	0.06
2.1	10,200	1.58	10,100	1.57	4.5	300	0.05	200	0.03
2.2	9800	1.52	9500	1.47	4.6	0	0.00	0	0.00
2.3	9200	1.43	8800	1.36				Total =	43.90
Total Volume/ Basin Area = 43.90/43.90 = 1.0 inch									

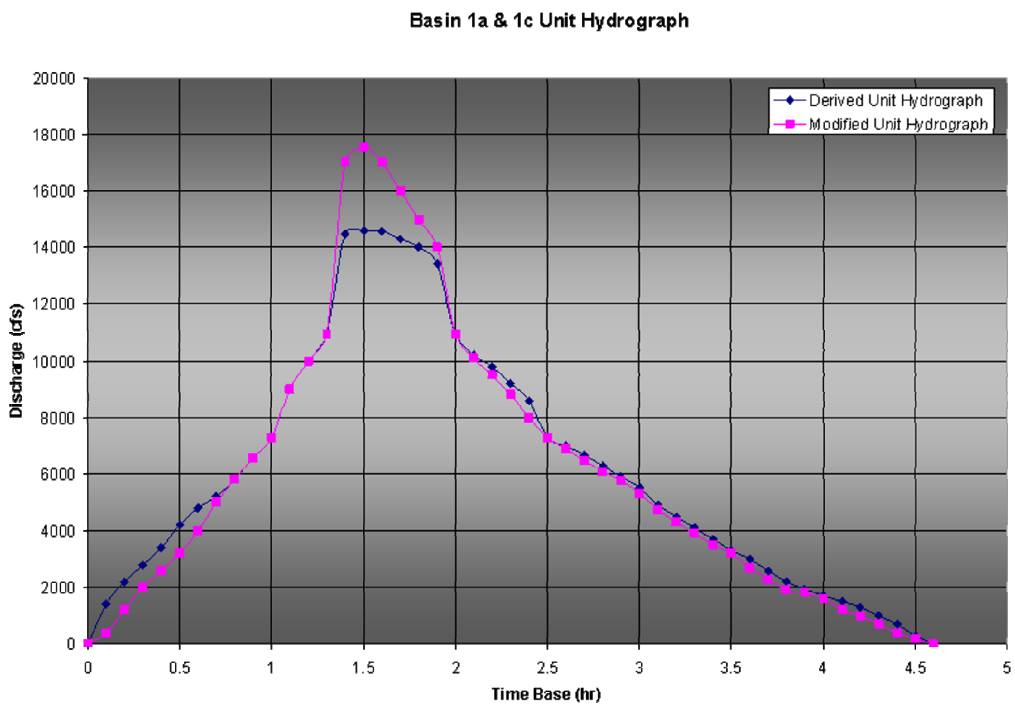


Figure 7-3 – Basin 1a & 1c Unit Hydrograph

Basin 1b

Table 7-6: Basin 1b Snyder's Unit Hydrograph and Modified Unit Hydrograph (+20% peak)

Time (hr)	Estimated Unit Hydrograph Discharge (cfs)	Volume (sq. mi.-in.)	Modified Unit Hydrograph Discharge (cfs)	Volume (sq. mi.-in.)	Time (hr)	Estimated Unit Hydrograph Discharge (cfs)	Volume (sq. mi.-in.)	Modified Unit Hydrograph Discharge (cfs)	Volume (sq. mi.-in.)
0	0		0		1.4	5985	0.93	5985	0.93
0.1	900	0.14	700	0.11	1.5	5350	0.83	5000	0.77
0.2	2000	0.31	1400	0.22	1.6	4800	0.74	4400	0.68
0.3	2900	0.45	2300	0.36	1.7	4300	0.67	3900	0.60
0.4	3900	0.60	3300	0.51	1.8	3900	0.60	3400	0.53
0.5	5000	0.77	4400	0.68	1.9	3350	0.52	2800	0.43
0.6	5985	0.93	5985	0.93	2	2900	0.45	2400	0.37
0.7	8977	1.39	8977	1.39	2.1	2400	0.37	2000	0.31
0.8	11,750	1.82	14,000	2.17	2.2	2000	0.31	1600	0.25
0.9	11,969	1.85	14,363	2.23	2.3	1600	0.25	1100	0.17
1	11,750	1.82	14,000	2.17	2.4	1200	0.19	600	0.09
1.1	10,850	1.68	11,690	1.81	2.5	700	0.11	200	0.03
1.2	8977	1.39	8977	1.39	2.6	0	0.00	0	0.00
1.3	7550	1.17	7500	1.16				Total =	20.30
Total Volume/ Basin Area = 20.30/20.30 = 1.0 inch									

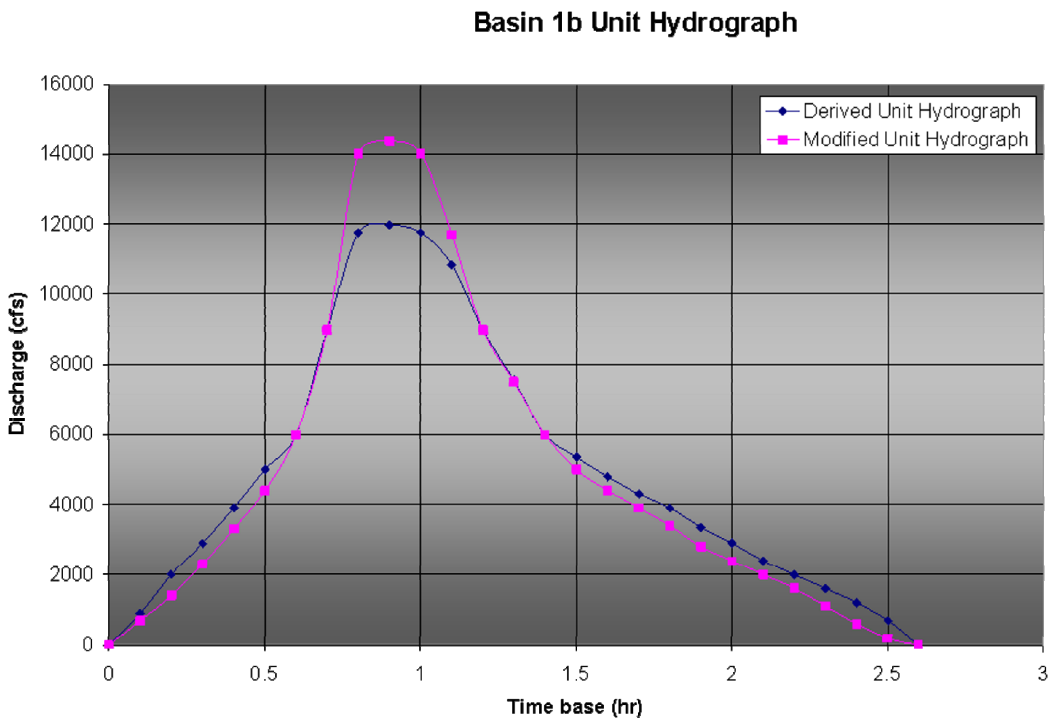


Figure 7-4 – Basin 1b Unit Hydrograph

Basin 2

Table 7-7: Basin 2 Snyder's Unit Hydrograph and Modified Unit Hydrograph (+20% peak)

Time (hr)	Estimated Unit Hydrograph Discharge (cfs)	Volume (sq. mi.-in.)	Modified Unit Hydrograph Discharge (cfs)	Volume (sq. mi.-in.)	Time (hr)	Estimated Unit Hydrograph Discharge (cfs)	Volume (sq. mi.-in.)	Modified Unit Hydrograph Discharge (cfs)	Volume (sq. mi.-in.)
0	0		0		1.4	3102	0.48	3102	0.48
0.1	500	0.08	400	0.06	1.5	2800	0.43	2700	0.42
0.2	1000	0.15	900	0.14	1.6	2600	0.40	2400	0.37
0.3	1525	0.24	1400	0.22	1.7	2400	0.37	2100	0.33
0.4	1975	0.31	1900	0.29	1.8	2200	0.34	1850	0.29
0.5	2500	0.39	2300	0.36	1.9	1900	0.29	1550	0.24
0.6	3102	0.48	3102	0.48	2	1650	0.26	1250	0.19
0.7	4653	0.72	4653	0.72	2.1	1400	0.22	1000	0.15
0.8	6050	0.94	7200	1.12	2.2	1150	0.18	800	0.12
0.9	6203	0.96	7444	1.15	2.3	900	0.14	500	0.08
1	6050	0.94	7200	1.12	2.4	600	0.09	300	0.05
1.1	5500	0.85	6000	0.93	2.5	400	0.06	100	0.02
1.2	4653	0.72	4653	0.72	2.6	0	0.00	0	0.00
1.3	3900	0.60	3900	0.60				Total =	10.65
Total Volume/ Basin Area = 10.65/10.65 = 1.0 inch									

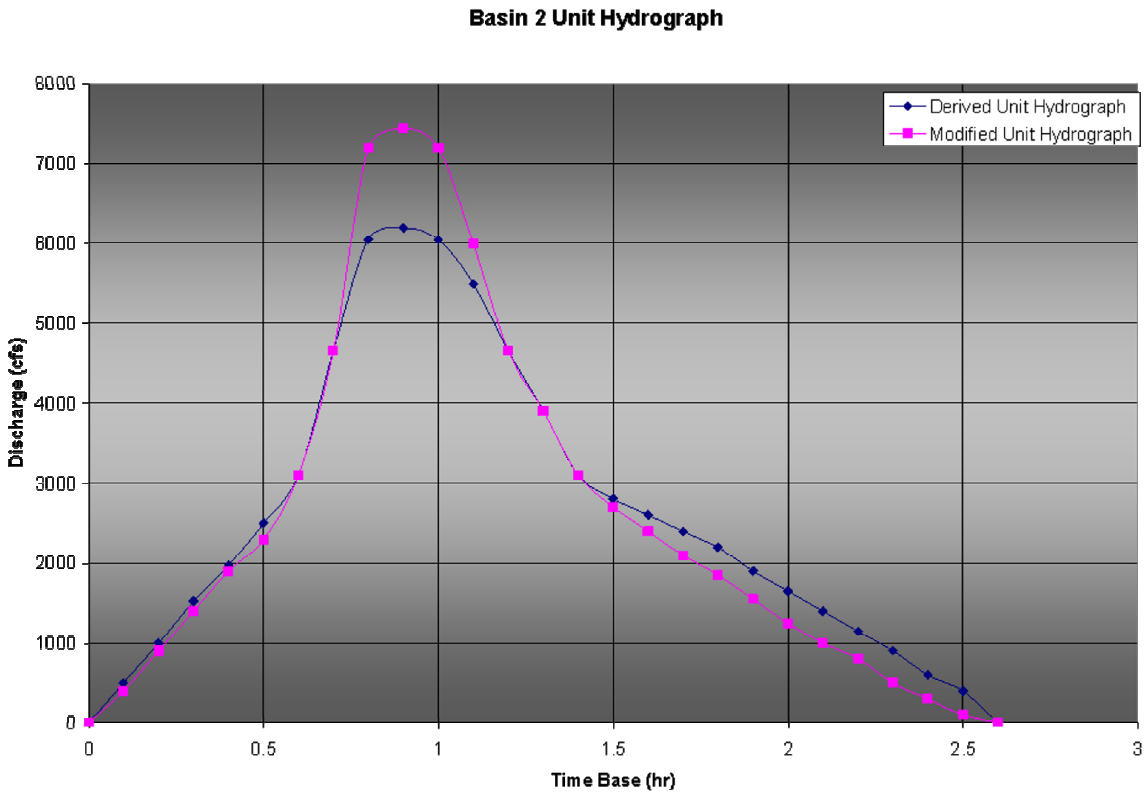


Figure 7-5 – Basin 2 Unit Hydrograph

Basin 3

Table 7-8: Basin 3 Snyder's Unit Hydrograph and Modified Unit Hydrograph (+20% peak)

Time (hr)	Estimated Unit Hydrograph Discharge (cfs)	Volume (sq. mi.-in.)	Modified Unit Hydrograph Discharge (cfs)	Volume (sq. mi.-in.)	Time (hr)	Estimated Unit Hydrograph Discharge (cfs)	Volume (sq. mi.-in.)	Modified Unit Hydrograph Discharge (cfs)	Volume (sq. mi.-in.)
0	0		0		1.7	5758	0.89	5758	0.89
0.1	700	0.11	500	0.08	1.8	5500	0.85	5000	0.77
0.2	1600	0.25	1400	0.22	1.9	5000	0.77	4600	0.71
0.3	2400	0.37	2200	0.34	2	4600	0.71	4200	0.65
0.4	3200	0.50	3000	0.46	2.1	4250	0.66	4000	0.62
0.5	4200	0.65	4000	0.62	2.2	3950	0.61	3600	0.56
0.6	5200	0.81	4800	0.74	2.3	3600	0.56	3200	0.50
0.7	5758	0.89	5758	0.89	2.4	3200	0.50	2800	0.43
0.8	7600	1.18	7200	1.12	2.5	2900	0.45	2400	0.37
0.9	8637	1.34	8637	1.34	2.6	2600	0.40	2200	0.34
1	11,200	1.74	13,300	2.06	2.7	2300	0.36	1800	0.28
1.1	11,516	1.78	13,820	2.14	2.8	2000	0.31	1400	0.22
1.2	11,300	1.75	13,300	2.06	2.9	1500	0.23	1000	0.15
1.3	10,800	1.67	12,000	1.86	3	1000	0.15	600	0.09
1.4	10,200	1.58	10,200	1.58	3.1	700	0.11	300	0.05
1.5	8637	1.34	8637	1.34	3.2	300	0.05	100	0.02
1.6	7000	1.08	7000	1.08	3.3	0	0.00	0	0.00
								Total =	24.30
Total Volume/ Basin Area = 24.30/24.30 = 1.0 inch									

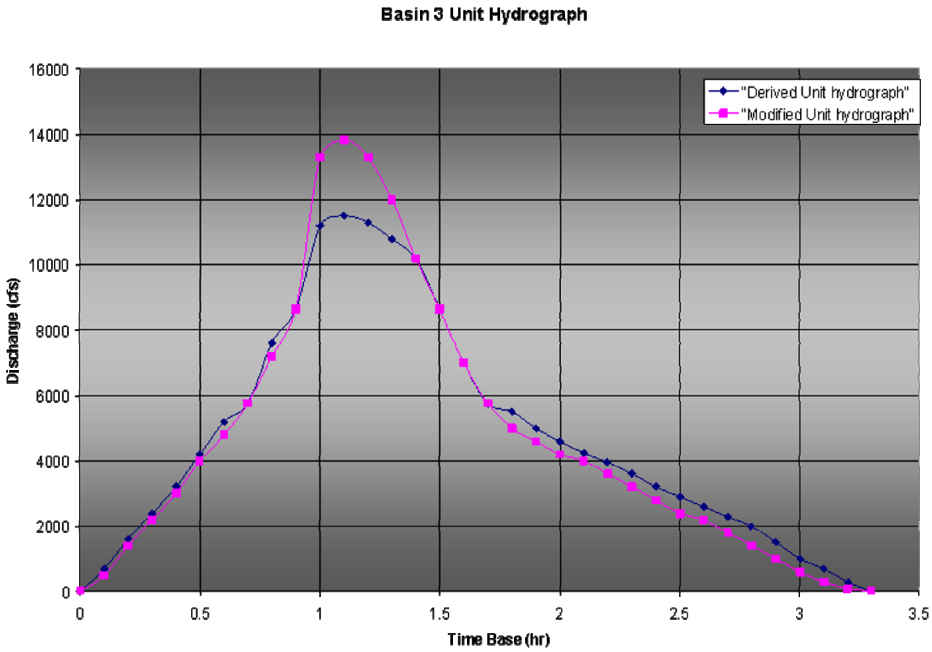


Figure 7-6 – Basin 3 Unit Hydrograph

Basin 4

Table 7-9: Basin 4 Snyder's Unit Hydrograph and Modified Unit Hydrograph (+20% peak)

Time (hr)	Estimated Unit Hydrograph Discharge (cfs)	Volume (sq. mi.-in.)	Modified Unit Hydrograph Discharge (cfs)	Volume (sq. mi.-in.)	Time (hr)	Estimated Unit Hydrograph Discharge (cfs)	Volume (sq. mi.-in.)	Modified Unit Hydrograph Discharge (cfs)	Volume (sq. mi.-in.)
0	0		0	0	4.7	51000	7.90	50000	7.75
0.1	3000	0.46	1000	0.15	4.8	48000	7.44	48000	7.44
0.2	5500	0.85	2500	0.39	4.9	45000	6.97	46000	7.13
0.3	6500	1.01	3500	0.54	5	43617	6.76	43617	6.76
0.4	7600	1.18	4600	0.71	5.1	42500	6.59	42500	6.59
0.5	8900	1.38	5900	0.91	5.2	41200	6.38	41000	6.35
0.6	10100	1.57	7100	1.10	5.3	39400	6.11	39300	6.09
0.7	11000	1.70	8000	1.24	5.4	37900	5.87	37800	5.86
0.8	12500	1.94	9500	1.47	5.5	36100	5.59	36000	5.58
0.9	13500	2.09	10500	1.63	5.6	34600	5.36	34500	5.35
1	14600	2.26	11600	1.80	5.7	33200	5.14	33200	5.14
1.1	16000	2.48	13000	2.01	5.8	31800	4.93	31800	4.93
1.2	17000	2.63	14000	2.17	5.9	30800	4.77	30800	4.77
1.3	18200	2.82	15200	2.36	6	29078	4.51	29078	4.51
1.4	19300	2.99	16300	2.53	6.1	28800	4.46	28500	4.42
1.5	20400	3.16	17400	2.70	6.2	28200	4.37	27600	4.28
1.6	21500	3.33	18500	2.87	6.3	27800	4.31	26700	4.14
1.7	23000	3.56	20000	3.10	6.4	27000	4.18	25800	4.00
1.8	24000	3.72	21000	3.25	6.5	26500	4.11	24900	3.86
1.9	25100	3.89	22100	3.42	6.6	26000	4.03	24000	3.72
2	26500	4.11	23500	3.64	6.7	25400	3.94	23100	3.58
2.1	27500	4.26	25000	3.87	6.8	24400	3.78	22200	3.44
2.2	28400	4.40	26000	4.03	6.9	23700	3.67	21300	3.30
2.3	28800	4.46	27500	4.26	7	22700	3.52	20400	3.16
2.4	29078	4.51	29078	4.51	7.1	21500	3.33	19500	3.02
2.5	33000	5.11	30700	4.76	7.2	20700	3.21	18600	2.88
2.6	35000	5.42	33000	5.11	7.3	19500	3.02	17700	2.74
2.7	39000	6.04	37000	5.73	7.4	18700	2.90	16800	2.60
2.8	41000	6.35	40000	6.20	7.5	17700	2.74	15900	2.46
2.9	43617	6.76	43617	6.76	7.6	17000	2.63	15000	2.32
3	55000	8.52	65000	10.07	7.7	16000	2.48	14100	2.18
3.1	57000	8.83	67000	10.38	7.8	15000	2.32	13200	2.05
3.2	57500	8.91	67800	10.51	7.9	14000	2.17	12300	1.91
3.3	57800	8.96	68400	10.60	8	13000	2.01	11400	1.77
3.4	57900	8.97	69000	10.69	8.1	12000	1.86	10500	1.63
3.5	58000	8.99	69400	10.75	8.2	11300	1.75	9600	1.49
3.6	58156	9.01	69788	10.81	8.3	10600	1.64	8300	1.29
3.7	58000	8.99	69400	10.75	8.4	9700	1.50	7200	1.12
3.8	57900	8.97	69000	10.69	8.5	9100	1.41	7000	1.08
3.9	57800	8.96	68400	10.60	8.6	8600	1.33	6000	0.93
4	57600	8.93	67800	10.51	8.7	7600	1.18	5000	0.77

Time (hr)	Estimated Unit Hydrograph Discharge (cfs)	Volume	Modified Unit Hydrograph Discharge (cfs)	Volume	Time (hr)	Estimated Unit Hydrograph Discharge (cfs)	Volume	Modified Unit Hydrograph Discharge (cfs)	Volume
4.1	57500	8.91	66000	10.23	8.8	6600	1.02	4000	0.62
4.2	57400	8.89	64000	9.92	8.9	5600	0.87	3000	0.46
4.3	56800	8.80	60000	9.30	9	4500	0.70	2000	0.31
4.4	56000	8.68	56000	8.68	9.1	3500	0.54	600	0.09
4.5	55000	8.52	54000	8.37	9.2	0	0.00	0	0.00
4.6	54000	8.37	52000	8.06				Total =	410
Total Volume/ Basin Area = 410/410 = 1.0 inch									

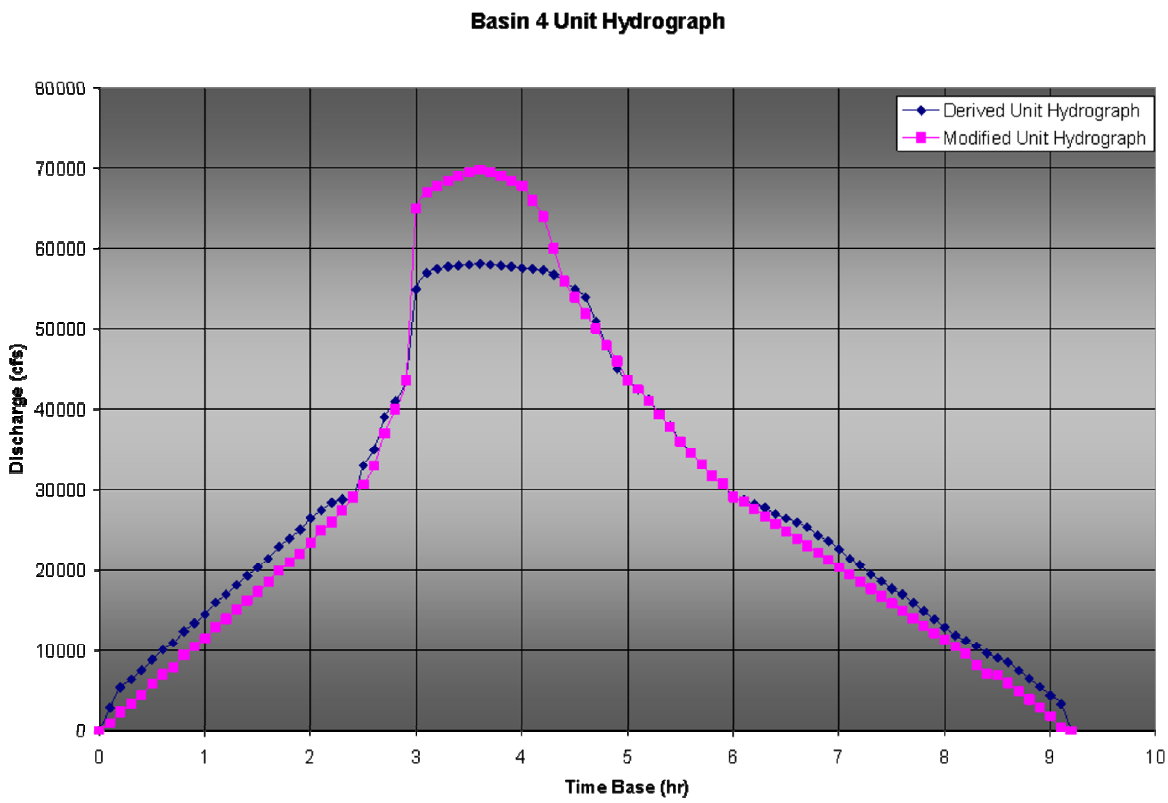


Figure 7-7 – Basin 4 Unit Hydrograph

Loss Rates

The initial constant loss method was applied in the runoff calculation through HEC-HMS. The initial loss rate of 0.0 has been used for each sub-basin. A uniform loss rate of 0.0 inch (in)/hour (hr) for the entire watershed has been used to calculate runoff using HEC-HMS.

Reservoir

Elevation Storage

SCR is the only significant reservoir within the watersheds. The storage-elevation for SCR was obtained from the following two sources:

The storage-elevation data for elevation 775 ft and below was obtained from the 2007 Texas Water Development Board (TWDB) Volumetric Survey for Squaw Creek Reservoir (Reference 13), hereafter referred as TWDB Volumetric Survey.

The storage-elevation data for elevations above 775 ft was obtained from the Operation and Maintenance Procedures for Squaw Creek Dam, which was prepared by Freese and Nichols in 1997 (Reference 14), hereafter referred as Operation and Maintenance Procedure.

The elevation-storage data is shown in Table 7-10 and plotted as shown in Figure 7-8.

Table 7-10: Elevation-Storage data for Squaw Creek Reservoir

Elevation (ft)	Volume (acre-ft)	Elevation (ft)	Volume (acre-ft)	Elevation (ft)	Volume (ac-ft)
650	0	770	135,991	786	188,877
660	293	775	151,273	787	192,574
670	1574	776	154,243	788	196,321
680	4532	777	157,562	789	200,119
690	8937	778	160,903	790	203,967
700	14,985	779	164,270	791	207,867
710	23,229	780	167,665	792	211,818
720	33,908	781	171,093	793	215,821
730	47,385	782	174,560	794	219,875
740	64,256	783	178,072	795	223,980
750	84,476	784	181,628		
760	108,306	785	185,229		

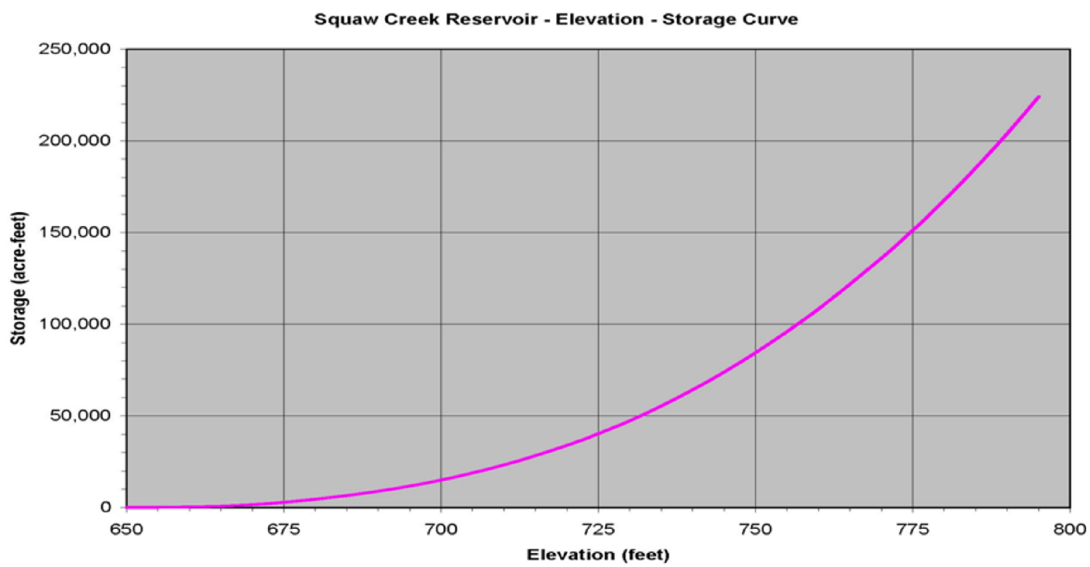


Figure 7-8 – Squaw Creek Reservoir Elevation - Storage Curve

Elevation Discharge

The discharge values for the service and emergency spillways were estimated using Design of Small Dams (Reference 27) and HDS No.5 (Reference 28). The spillway discharge curve for SCR was initially developed by Freese and Nichols (Reference 30, hereafter referred to as Freese & Nichols Design Discharge Document) and was published in the Operation and Maintenance Procedure. The published values only extend to elevation 790. Discharge data for elevations above 790 were estimated using the methods in these references.

The estimated values were compared to the published values to ensure that conservative estimates were used in the PMF determination. The published values for elevation-discharge data are shown in Table 7-11.

Table 7-11: SCR Elevation–Discharge data & Combined Flow (Published)

Elevation	Service Spillway Flow	Emergency Spillway Flow	Total Combined Flow	Elevation	Service Spillway Flow	Emergency Spillway Flow	Total Combined Flow
(ft)	(cfs)	(cfs)	(cfs)	(ft)	(cfs)	(cfs)	(cfs)
775	0	-	0	783	8000	-	8000
776	300	-	300	784	9600	3500	13,100
777	900	-	900	785	11,400	13,000	24,400
778	1700	-	1700	786	13,300	26,000	39,300
779	2700	-	2700	787	15,300	41,500	56,800
780	3800	-	3800	788	17,400	59,500	76,900
781	5100	-	5100	789	19,600	81,000	100,600
782	6400	-	6400	790	21,900	104,500	126,400

Service Spillway: The service spillway is an uncontrolled structure with an ogee crest weir. The service spillway is 100 ft wide and the crest of the weir is at elevation 775 ft. The depth of the approach channel is 12 feet below the crest of the spillway or at elevation 763 ft (Reference 29). The service spillway discharge rating curve was developed in the Freese & Nichols Design Discharge Document (Reference 30) based on the U.S. Army Corps of Engineers publication EM 1110-2-1603, and is hereafter referred to as the existing discharge rating curve. The revised service spillway discharge rating curve was developed using guidance from the Design of Small Dams (Reference 27), and is hereafter referred to as the revised discharge rating curve. The revised discharge rating curve was extended up to elevation 795 feet to account for spillway discharges resulting from the higher PMF elevation and tailwater depth.

The design parameters for the service spillway are as follows:
Spillway Width L = 100ft
Assumed Design Elevation = 800 ft
Design Head Ho = 800 ft – 775 ft = 25 ft
Crest Elevation = 775 ft
Approach height P = 775 ft – 763 ft = 12 ft

The design head of 25 ft is higher than the design head reported in Freese & Nichols Design Discharge Document (Reference 30) of 14.6 ft. The higher design head reduces the discharge coefficient resulting in less overtopping and a higher PMF elevation. The discharge coefficient for a vertical faced ogee crest was estimated using Figures 9-23 thru 9-25 (Reference 27). The discharge coefficient was then adjusted for ratio of head to approach height using Figure 9-24 (Reference 27). The ogee weir used in this design has a 45^0 sloping upstream face instead of a vertical face. The discharge coefficient was then adjusted to account for the sloping upstream face using Figure 9-25 (Reference 27).

The tailwater is assumed to be elevation 776 ft, which is one foot above the spillway crest. The discharge coefficient for the spillway was adjusted in accordance with Figure 9-28 (Reference 27), which will result in a higher water surface elevation in the SCR. Using the HEC-RAS software, the water surface elevation at the downstream end of the SCR dam was determined to be 758.52. This elevation is lower than the assumed tailwater elevation of 776 ft, therefore the assumed elevation is conservative. The higher tailwater elevation will reduce the overflow from the spillway and ultimately result in a higher PMF elevation at SCR. A detailed discussion of the HEC-RAS models is contained in the sections of this calculation titled “HEC-RAS Steady Flow Routing” and “HEC-RAS Unsteady Flow Routing.”

Table 7-12 contains the calculations of the adjusted discharge coefficients for the SCR Service Spillway.

Table 7-12: Discharge Coefficient for SCR Service Spillway

Elevation (ft)	Depth He (ft)	P/Ho	Co	He/Ho	C/Co	C*	Ci/Cv	C**	hd (ft)	hd/He	Cs/Co	C
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
775	0	0	0	0	0	0	0	0	0	0	0	0
776	1	0.48	3.78	0.04	0.800	3.02	1.013	3.06	0	0.00	0	0
777	2			0.08	0.819	3.10		3.14	1	0.50	0.995	3.12
778	3			0.12	0.825	3.12		3.16	2	0.67	0.999	3.16
779	4			0.16	0.840	3.18		3.22	3	0.75	1	3.22
780	5			0.20	0.855	3.23		3.27	4	0.80	1	3.27
781	6			0.24	0.865	3.27		3.31	5	0.83	1	3.31
782	7			0.28	0.875	3.31		3.35	6	0.86	1	3.35
783	8			0.32	0.880	3.33		3.37	7	0.88	1	3.37
784	9			0.36	0.890	3.36		3.41	8	0.89	1	3.41
785	10			0.40	0.900	3.40		3.45	9	0.90	1	3.45
786	11			0.44	0.910	3.44		3.48	10	0.91	1	3.48
787	12			0.48	0.918	3.47		3.52	11	0.92	1	3.52
788	13			0.52	0.925	3.50		3.54	12	0.92	1	3.54
789	14			0.56	0.930	3.52		3.56	13	0.93	1	3.56
790	15			0.60	0.940	3.55		3.60	14	0.93	1	3.60
791	16			0.64	0.948	3.58		3.63	15	0.94	1	3.63
792	17			0.68	0.955	3.61		3.66	16	0.94	1	3.66
793	18			0.72	0.959	3.63		3.67	17	0.94	1	3.67
794	19			0.76	0.965	3.65		3.70	18	0.95	1	3.70
795	20			0.80	0.970	3.67		3.71	19	0.95	1	3.71

(2) (2) = (1) – 775 ft
(3) 12/25 (P = 12 ft, Ho = 25ft)
(4) Obtained from Figure 9-23 (Reference 27)
(5) (2)/25 (Ho = 25ft)
(6) Obtained from Figure 9-24 (Reference 27)
(7) (7) = (4) * (6)
(8) Obtained from Figure 9-25 (Reference 27)
(9) (9) = (7) * (8)
(10) Corresponding Elevation - 776 (Tailwater Depth)
(11) (11) = (10) / (2)
(12) Obtained from Figure 9-28 (Reference 27)
(13) (13) = (12) * (9)

Table 7-12 indicates that the starting discharge coefficient of 3.78 was reduced to range from 0 to 3.71. The tailwater or submergence has no effect as the overtopping depth approaches 4 ft or as hd approaches 3 ft.

Table 7-13 contains a comparison of the estimated discharge from the SCR service spillway using the discharge coefficients calculated in Table 7-12 with the discharge data published in Operation and Maintenance Procedures (Reference 14) and the discharge data presented in the Freese and Nichols Design Discharge Document (Reference 30).

Table 7-13: SCR Service Spillway Elevation –Discharge Data (Estimated. Published, and Design Document)

Elevation (ft)	Depth He (ft)	C	Length L (ft)	Discharge $Q = CLH^{3/2}$ (cfs)	Published Q (cfs)	Discharge from Freese & Nichols Design Discharge Document (cfs)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
775	0	0		0	0	0
776	1	3.12		0	300	316
777	2	3.16		883	900	913
778	3	3.22		1640	1700	1713
779	4	3.27		2574	2700	2684
780	5	3.31		3661	3800	3816
781	6	3.35		4868	5100	5088
782	7	3.37		6206	6400	6519
783	8	3.41		7625	8000	8076
784	9	3.45		9202	9600	9797
785	10	3.48	100	10,898	11,400	11,633
786	11	3.52		12,713	13,300	13,608
787	12	3.54		14,613	15,300	15,643
788	13	3.56		16,602	17,400	17,853
789	14	3.60		18,655	19,600	20,148
790	15	3.63		20,911	21,900	22,451
791	16	3.66		23,233		
792	17	3.67		25,632		
793	18	3.70		28,044		
794	19	3.71		30,603		
795	20	0.00		33,222		

(5) $(5) = (3) * (4) * (2)^{3/2}$
(6) Obtained from Reference 14
(7) Obtained from Reference 30

The estimated values of discharge are lower than both the published values and the values listed in Freese & Nichols Design Discharge Document (Reference 30). The estimated and published values for discharge are also shown in Figure 7-9. Lower values of discharge overtopping the spillway will result in higher water surface elevations, which in turn results in a higher PMF. Since the published discharge curves do not include values for elevations above 790 feet, the estimated discharge values, which extend to an elevation of 795 feet, will result in a more conservative value for the calculated PMF elevation. Therefore, the revised discharge rating curve was used in HEC-HMS for determining the PMF elevation.

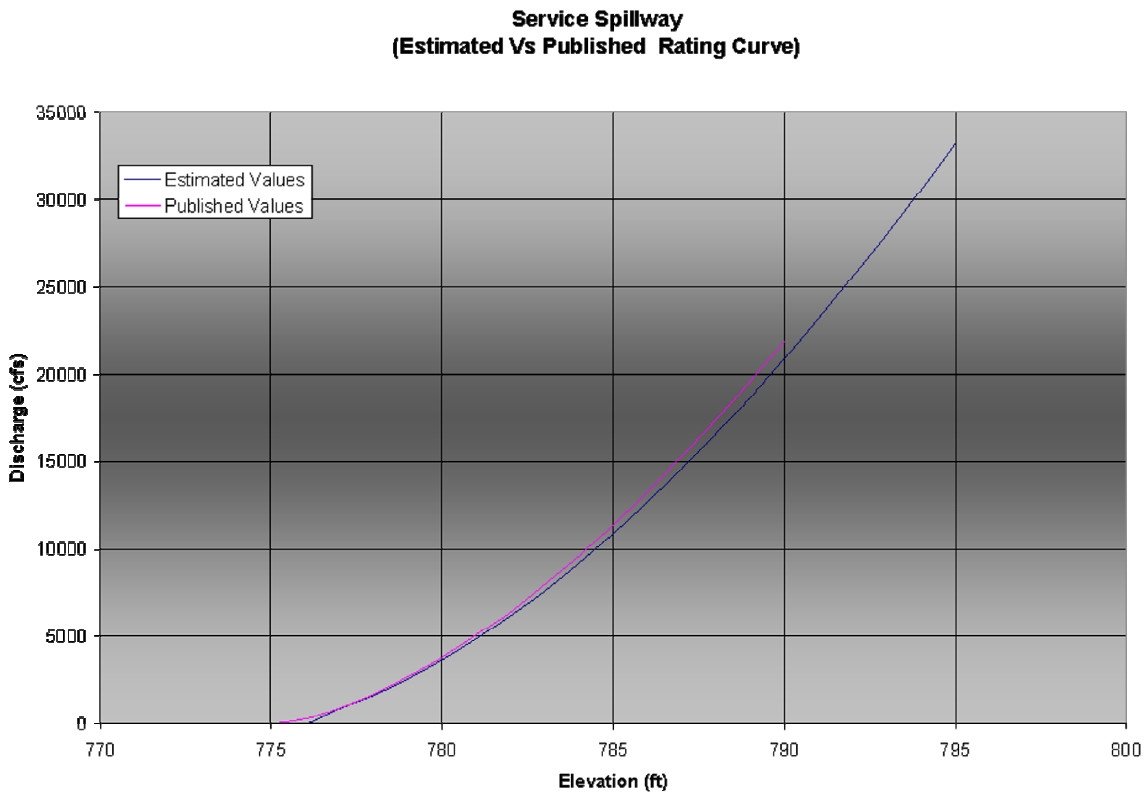


Figure 7-9 – SCR Service Spillway Elevation-Discharge Curve (Estimated Vs Published)

Emergency Spillway: The emergency spillway provides additional discharge capacity during extreme floods. The emergency spillway is a broad-crested weir with crest elevation at 783.0 ft and 2200 ft wide. The Squaw Creek Dam record drawings (Reference 29) indicate a concrete cap on top of the spillway.

The published emergency spillway discharge rating curve was developed by Freese & Nichols Design Discharge Document (Reference 30) using a backwater computer program and is hereafter referred to as the existing discharge rating curve. The revised emergency spillway discharge rating curve was developed using guidance provided by HDS No. 5 (Reference 28) and is hereafter referred to as the emergency spillway revised discharge rating curve.

The revised discharge rating curve was calculated for elevations up to 795 ft to account for a higher PMF elevation and tailwater depth.

The design parameters for the service spillway are as follows:
Spillway Length L = 2200 ft
Crest Width Lr = 50 ft
Crest Elevation = 783 ft

The discharge over the spillway is estimated using the following equation:

$Q = Cd\ L\ HWr^{1.5}$ (Equation 7) (Reference 28)

Where:
Q = Overtopping flow rate (cfs)
Cd = Overtopping Discharge Coefficient
L = Length of spillway crest (ft)
HWr = upstream depth (ft)

The overtopping discharge coefficient can be estimated using discharge coefficient, Cr, and a correction factor for downstream submergence, kt, as shown in Equation 8.

$Cd = kt\ Cr$ (Equation 8) (Reference 28)

The discharge coefficient, Cr, was estimated based on the submergence ratio ht/Hwr (Figure III-11, Reference 28), which is the ratio of the depth of the tailwater to the headwater over the spillway crest. Figure III-11 in Reference 28 estimates Cr with two curves, A and B. Curve A is utilized when HWr/Lr > 0.15, while curve B is utilized when HWr/Lr ≤ 0.15. The discharge coefficient, Cr, is then adjusted for submergence based on the correction factor, kt, to obtain the overtopping discharge coefficient, Cd.

From Equations 7 and 8, it is evident that lower values of kt can result in lower Cd values. The lower Cd values result in a reduction in the overtopping discharge, thus increasing the PMF elevations. Values for kt were obtained from the submergence factor, ht/Hwr, where ht and Hwr are based on the channel and reservoir water surface elevations obtained from the Freese & Nichols Design Discharge document (Reference 30). Using the submergence factor curve (Figure III-11(c), Reference 28), values for kt were determined to range from 0.5 to 1.0. Given the discharge coefficient, Cr, and the kt value, an overtopping discharge coefficient can be obtained from Equation 8.

The crest of the emergency spillway is at elevation 783 ft, which is higher than the assumed tailwater elevation of 776 ft, indicating that the emergency spillway is not directly affected by the assumed tailwater elevation. However, submergence of the channel downstream of the emergency spillway due to the assumed tailwater elevation will impact the water surface elevation at the emergency spillway. Therefore, in order to account for the effects of the downstream channel submergence, the emergency spillway will also be analyzed as a submerged weir. This will also be consistent with Freese & Nichols Design Discharge Document (Reference 30) analysis, which indicates that the backwater computer program accounts for downstream channel conditions.

Table 7-14: SCR Emergency Spillway Submergence Factor from Design Document

Water Surface Elevation at Channel Downstream of Emergency Spillway (ft)	Reservoir Water Surface Elevation (ft)	ht/Hwr
783.5	783.5	1
783.7	783.7	1
784.2	784.2	1
784.7	784.7	1
785.5	785.6	0.96
786.1	786.3	0.94
786.7	786.9	0.95
787.2	787.5	0.93
787.6	788.0	0.92
788.5	789.0	0.92
789.2	789.8	0.91
789.9	790.7	0.90

The reservoir elevations are interpolated to obtain submergence ratio at whole number elevations as shown in Table 7-15. The values corresponding to channel elevations 785.5 ft and 786.1 ft were averaged to obtain the submergence ratio at elevation 786.0 ft. Similarly, the values for elevations 786.7 ft and 787.2 ft were averaged to obtain the submergence ratio at elevation 787.0 ft. The value corresponding to reservoir water surface elevation of 789.8 ft was used for 790 ft. Similarly, the value corresponding to a reservoir water surface elevation of 790.7 ft was used for 791 ft. The elevation, corresponding submergence ratio and kt values are shown in Table 7-15. Table 7-16 shows the calculation of the discharge values for the emergency spillway.

Table 7-15: SCR Emergency Spillway Submergence Factor from Design Document & corresponding kt values

Elevation (ft)	Submergence Ratio ht/Hwr	kt*
783	1	0.50
784	1	0.50
785	1	0.50
786	0.96 + 0.94 /2 =0.95	0.78
787	0.95 + 0.93 /2 =0.94	0.82
788	0.92	0.89
789	0.92	0.89
790	0.91	0.91
791	0.90	0.92

* kt values obtained from Figure III-11, Reference 28, based on Paved conditions

Table 7-16: SCR Emergency Spillway Discharge (Estimated)

Elevation (ft)	Hwr (ft)	HWr/Lr	Curve	Cr	kt	Cd = kt * Cr	Q (cfs)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
783	0	0	B	0	0	0	0
784	1	0.02	B	2.91	0.5	1.46	3201
785	2	0.04	B	2.91	0.5	1.46	9054
786	3	0.06	B	2.91	0.78	2.27	25,948
787	4	0.08	B	2.91	0.8	2.33	40,973
788	5	0.10	B	2.92	0.82	2.39	58,895
789	6	0.12	B	2.92	0.85	2.48	80,252
790	7	0.14	B	2.92	0.87	2.54	103,508
791	8	0.16	A	2.92	0.87	2.54	126,462
792	9	0.18	A	2.92	0.87	2.54	150,900
793	10	0.20	A	2.93	0.87	2.55	177,342
794	11	0.22	A	2.93	0.87	2.55	204,597
795	12	0.24	A	2.93	0.87	2.55	233,122

(2) = (1) – 783
(3) = (2)/50
(4) = If HWr/Lr > 0.15, Curve A (Gravel conditions); HWr/Lr ≤ 0.15, Curve B (Paved conditions), Figure III-11, Reference 28
(5) = Obtained from Figure III-11, Reference 28
(6) = Obtained from Figure III-11, Reference 28
(7) = (5) * (6)
(8) = (7) * 50 * $(3)^{1.5}$

The values of kt used in estimating discharge were compared to those obtained using data from Freese & Nichols Design Discharge Document (Reference 30). The kt values used to estimate discharge are lower than those in Table 7-15 for the corresponding elevations. Therefore, the kt values used in Table 7-16 are conservative for estimating PMF elevation. From Table 7-15, it is evident that as the values for kt continue to increase so does the water surface elevations; however, the kt values used herein will be capped at 0.87 for the higher water surface elevation in order to remain conservative. The discharge values for the emergency spillway are shown in Table 7-17 and Figure 7-10. The estimated values of discharge are lower than those published in the Operational and Maintenance Procedure (Reference 14), thus resulting in higher PMF elevations.

Table 7-17: SCR Emergency Spillway Elevation- Discharge Data (Estimated Vs Published)

Elevation (ft)	Estimated Discharge (cfs)	Published Discharge (cfs)
783	0	0
784	3201	3500
785	9054	13,000
786	25,948	26,000
787	40,973	41,500
788	58,895	59,500
789	80,252	81,000
790	103,508	104,500

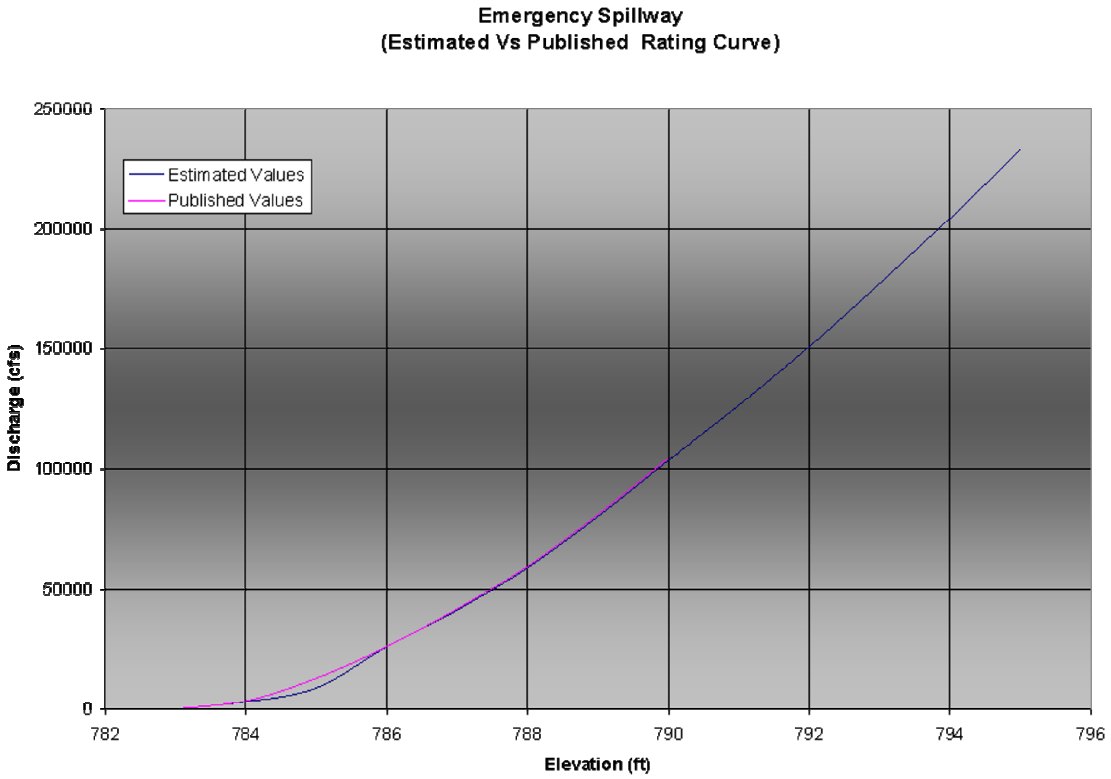


Figure 7-10– SCR Emergency Spillway Elevation-Discharge Curve (Estimated Vs Published)

The derived estimated discharge relationship for both the service and emergency spillways and the combined flows are shown below in Table 7-18, with the graph shown in Figure 7-11.

Table 7-18: SCR Elevation–Discharge Data & Combined Flow (Estimated)

Elevation	Service Spillway Flow	Emergency Spillway Flow	Total Combined Flow	Elevation	Service Spillway Flow	Emergency Spillway Flow	Total Combined Flow
(ft)	(cfs)	(cfs)	(cfs)	(ft)	(cfs)	(cfs)	(cfs)
775	0	-	0	786	12,713	25,948	38,661
776	0	-	0	787	14,613	40,973	55,586
777	883	-	883	788	16,602	58,895	75,497
778	1640	-	1640	789	18,655	80,252	98,907
779	2574	-	2574	790	20,911	103,508	124,419
780	3661	-	3661	791	23,233	126,462	149,695
781	4868	-	4868	792	25,632	150,900	176,532
782	6206	-	6206	793	28,044	177,342	205,386
783	7625	0	7625	794	30,603	204,597	235,200
784	9202	3201	12,403	795	33,222	233,122	266,344
785	10,898	9054	19,952				

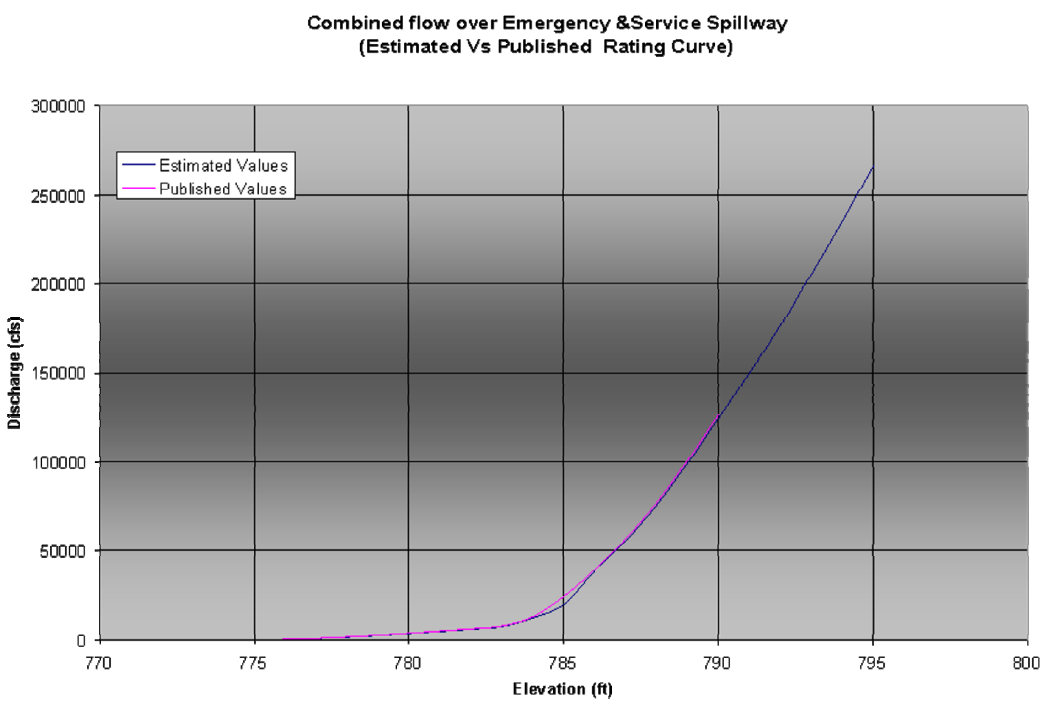


Figure 7-11– SCR Service & Emergency Spillway Combined Elevation-Discharge Curve (Estimated Vs Published)

Channel Geometry

The cross-section data used for the HEC-RAS analysis were obtained from the Dam Breach Analysis. The Dam Breach Analysis cross-section data was verified with the USGS topographic maps and found to be the same. The USGS topographic maps do not contain a level of detail sufficient to show the depth and width of the channel. However, this is not considered significant because the capacity of the actual channel is negligible when compared to the volume of runoff from a PMF event. The cross section data for the Squaw Creek, the Paluxy River and the Brazos River as applied within the HEC-RAS analysis are included in Appendix A.

Roughness Coefficient

Manning's roughness coefficients range from 0.06 to 0.09 for the Squaw Creek, from 0.045 to 0.07 for the Paluxy River, and from 0.045 to 0.065 for the Brazos River in the Dam Breach Analysis. Reference 15 suggests a Manning's roughness coefficient of 0.10 for major streams with irregular and rough section (Reference 15, Table 5-6, Page 113). To account for the variability and uncertainty in the Manning's roughness coefficient, it was increased by 50 percent to 0.15, which corresponds to natural streams with very weedy reaches, weedy deep pools, or floodways with a heavy stand of timber and underbrush (Reference 15, Table 5-6). The higher roughness coefficient results in a higher water surface elevation, which produces a more conservative approach. Therefore, a Manning's roughness coefficient of 0.15 has been used within the HEC-HMS and HEC-RAS analyses.

Snowmelt

Snowmelt does not historically contribute significantly to river floods in the state of Texas (Reference 17). It was deemed appropriate not to include snowmelt to be a factor in modeling the PMF event.

HEC-HMS Analysis

The watersheds are modeled with the HEC-HMS model as shown in Figure 7-12. The reaches are modeled using Muskingum-Cunge routing method. The eight-point cross-section shape has been used for the reaches. The channel cross-sections used in HEC-RAS are modified to represent the eight-point data sets. The modified cross-sections for Reaches 2 and 4 are shown in Table 7-19 and Figure 7- 13. Flows from the sub-basins of Basin 1 will flow to SCR. The discharge from the SCR is then routed along Reach 2 to Junction 1. The flow from Basin 4 is routed along Reach 4 to Junction 1. The routed Basin 4 flow is combined with the runoff from Basin 3 at Junction 1. The routed discharge from the SCR is combined with the runoff from Basin 2 at Junction 1.

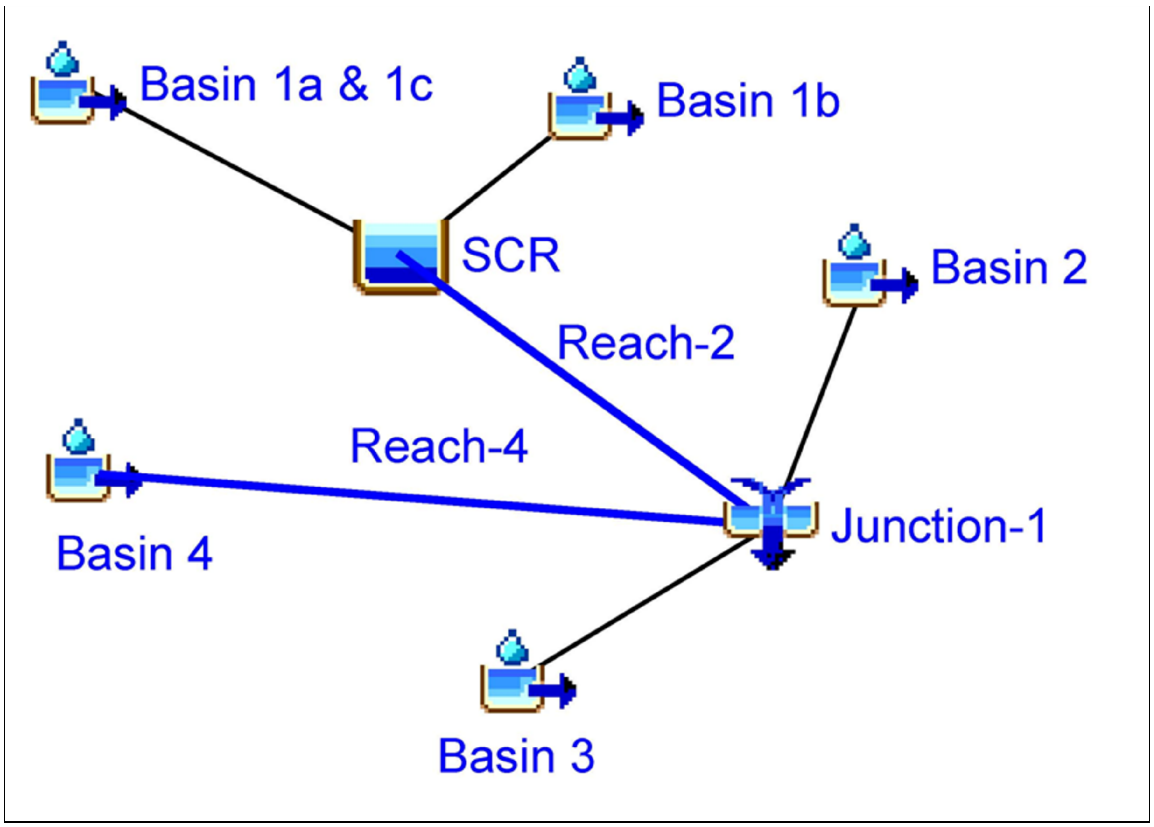
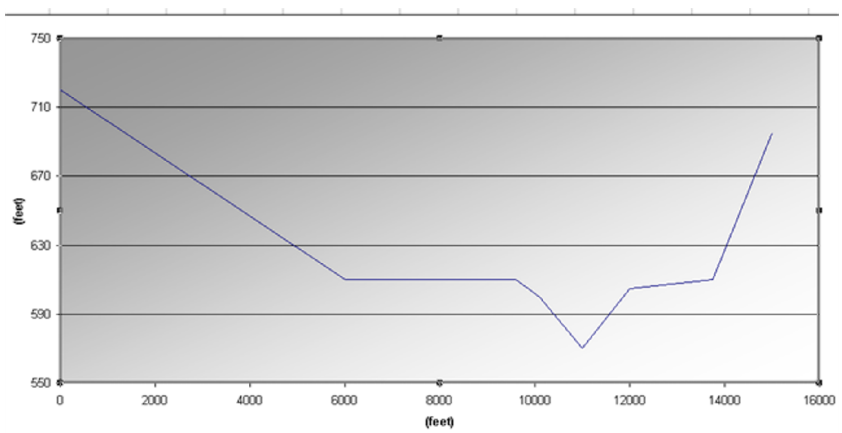


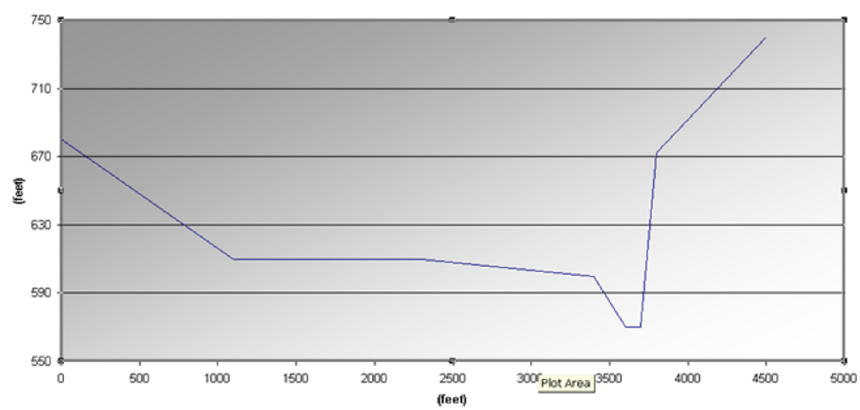
Figure 7-12: HEC-HMS watershed layout

Table 7-19: Eight-Point cross-section data for HEC-HMS analysis

Reach2		Reach4	
X (ft)	Y (ft)	X (ft)	Y (ft)
0	720	0	680
6000	610	1100	610
10,098	600	2300	610
11,000	570	3400	600
11,025	570	3600	570
12,000	605	3700	570
13,750	610	3800	672
15,000	695	4500	740



Reach 2



Reach 4

Figure 7-13: Eight-Point cross-section geometry for HEC-HMS Analysis

The length and slopes for the reaches are determined from the topographic maps. The overall slope for the reach is determined by dividing the difference in elevation of the most upstream point and most downstream point by the total distance for that reach. Upper portions of the Squaw Creek are flatter than the area downstream of the Squaw Creek Dam. The slope used to represent Basin 2 has been used to represent Basins 1a and 1b, to be more conservative.

Table 7-20: Reach characteristics for HEC-HMS analysis

Reach	Length (ft)	Slope (ft/ft)	Channel Manning's Coefficient	Overbank Manning's Coefficient
2	24,288	0.0035	0.15	0.15
4	25,872	0.0019	0.15	0.15

The HEC-HMS analysis was performed for two-third and center temporal distributions at critical storm centers SC X and PR Y respectively, as described in Enercon PMP Calculation. The critical center SC X results in higher runoff for Basin 1 and Basin 2. The critical storm center PR Y results in higher runoff for Basin 3 and Basin 4. The results of the critical storm scenario from the HEC-HMS analysis that produces the greatest peak discharges for the Squaw Creek and the Paluxy River watersheds are summarized in Table 7-21.

Table 7-21: HEC-HMS Analysis Results

Basin/Station	Area (mi^2)	Peak flow (cfs)
Basin 1a & 1c	43.90	215,00
Basin 1b	20.30	129,000
Squaw Creek Reservoir	-	319,000*
Basin 2	10.65	37,600
Basin 3	24.30	85,000
Basin 4	410.0	945,000

*This value is the peak inflow into the SCR

The inflow and outflow from the SCR will be maximized with the storm center at SC X. The flow values at the SCR for the critical storm center at Squaw Creek watershed (Basin 1) are shown in Table 7-22. The SCR PMF Inflow Hydrograph is presented in Figure 7- 14 and the SCR PMF Outflow Hydrograph is presented in Figure 7-15. The SCR PMF Elevation Hydrograph is presented in Figure 7-16.

Table 7-22: HEC-HMS output for Squaw Creek Reservoir

HEC-HMS Analysis					
Basin/Station	Peak Storage Volume (acre-ft)	Peak Inflow (cfs)	Peak Outflow (cfs)	Time to Peak (hrs)	Peak Elev. (ft.l)
Squaw Creek Reservoir	216,000	319,000	206,000	194.9	793.0

The water surface elevation at the Squaw Creek Reservoir with adjustment due to different datum will be 793.66 ft (793 ft + 0.66 ft).

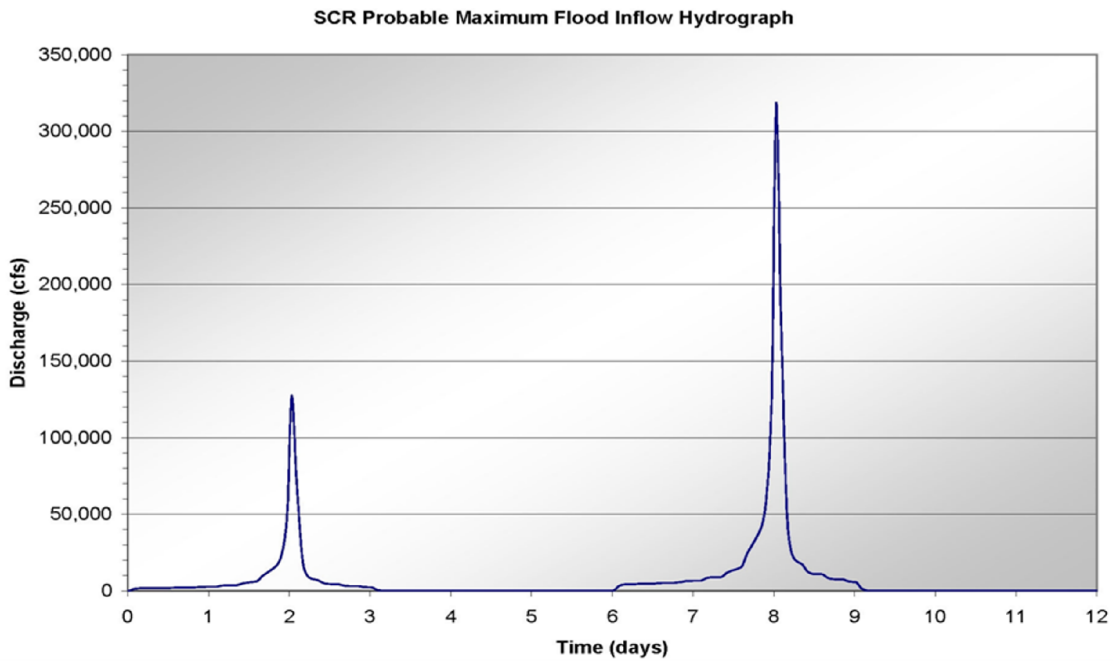


Figure 7-14: SCR Probable Maximum Flood Inflow Hydrograph

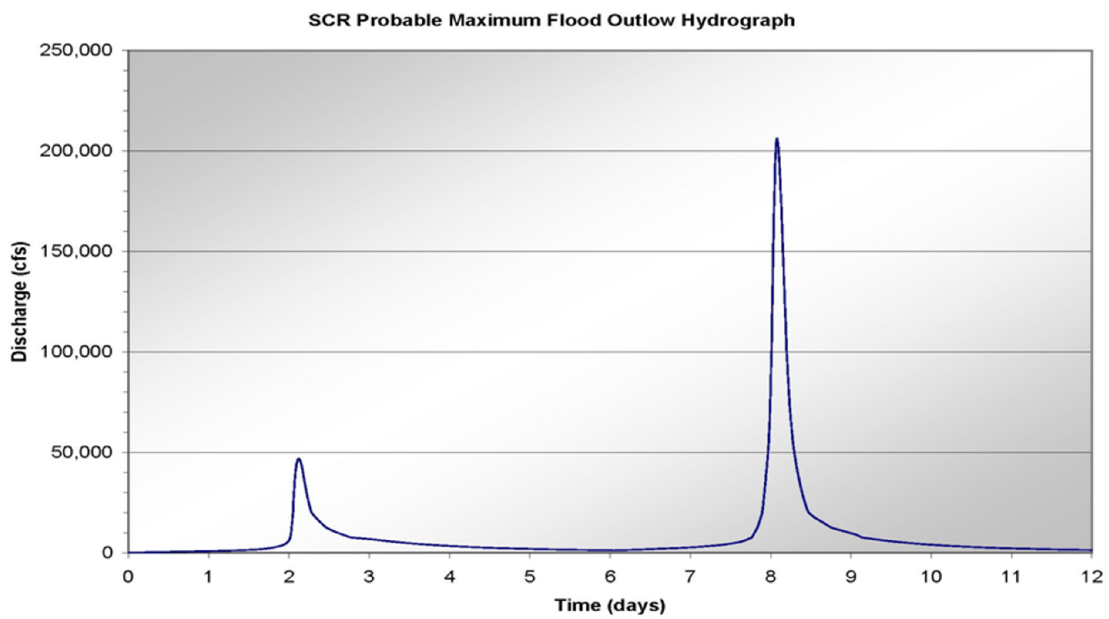


Figure 7-15: SCR Probable Maximum Flood Outflow Hydrograph

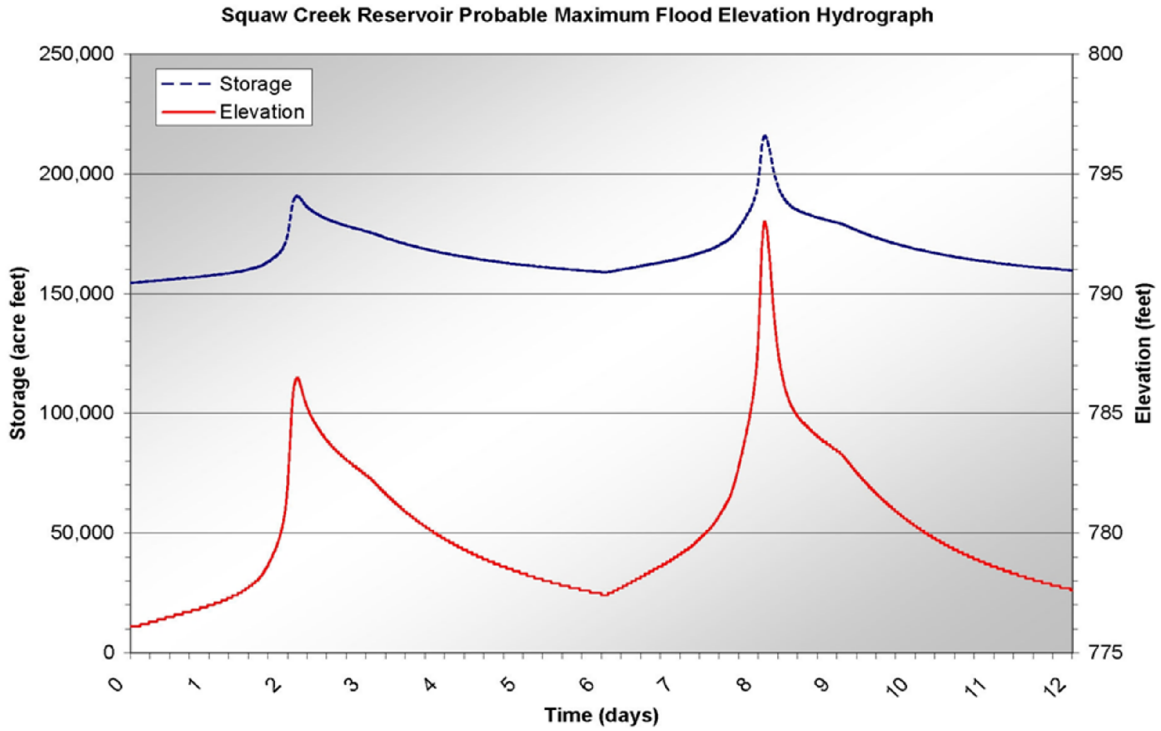


Figure 7-16: Squaw Creek Reservoir Probable Maximum Flood Elevation Hydrograph

HEC-RAS Steady Flow Routing

A steady flow hydraulic analysis was performed to determine the water surface elevation at the confluence of Paluxy River and Brazos River. HEC-RAS was used to route the peak PMF flows from the HEC-HMS model. As discussed earlier, a roughness coefficient of 0.15 was used to obtain higher water surface elevations for the Squaw Creek, Paluxy River, and Brazos River watersheds. The cross-sections for Brazos River were determined using USGS Topographic Maps (Reference 26). The location of the cross-sections are identified in Figure 7-17.

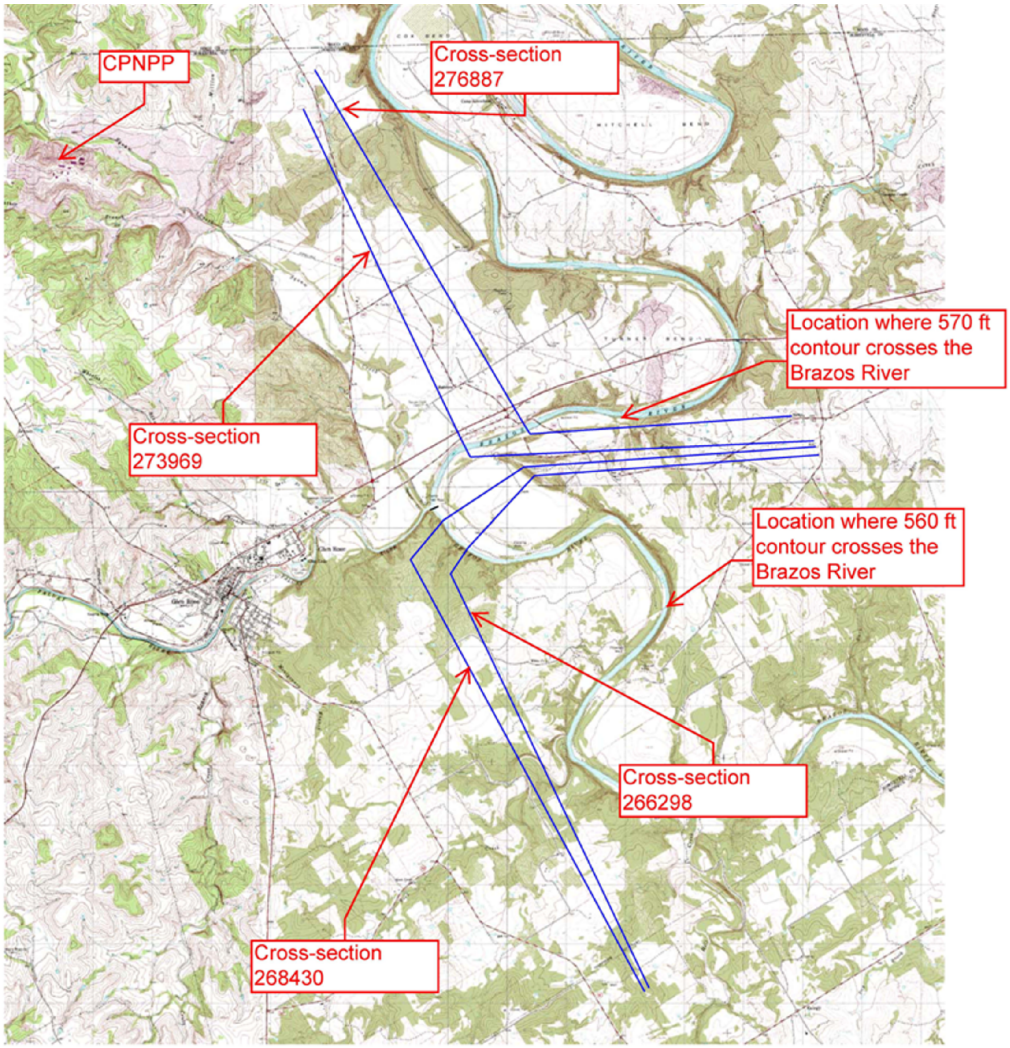


Figure 7-17– Brazos River Cross-section Location

The confluence of Squaw Creek with the Paluxy River is approximately 4200 feet upstream of the confluence of the Paluxy River and the Brazos River. The portion of the Paluxy River downstream of Squaw Creek is referred to as Lower Paluxy in the HEC-RAS model. The HEC-RAS schematic for Squaw Creek, the Paluxy River, and the Brazos River is shown in Figure 7-18. The Brazos River is modeled as the Upper Brazos and Lower Brazos.

The peak outflow from SCR obtained from the HEC-HMS analysis was used as a boundary condition at the upstream end of Squaw Creek (station 24757). The peak outflows from Basin 2 and SCR were combined and used as a downstream boundary condition (station 1164) for Squaw Creek. The peak outflow from Basin 4 was used as a boundary condition for Paluxy River (station 25092). The combined peak outflow from Basin 4, Basin 2 and SCR was used as a boundary condition at the confluence of Squaw Creek and the Paluxy River. Figure 7-18 indicates the boundary condition flows used in HEC-RAS steady state analysis.

The flow of 6.73 million cfs at the Brazos River and the Paluxy River confluence was due to the hydrologically sequential failures of the Fort Phantom Hill Dam, the proposed Cedar Ridge Reservoir Dam, the Morris Sheppard Dam, and the De Cordova Bend Dam coincident with the PMF and the simultaneous failure of the Lake Stamford Dam. The methodology and inputs used in the dam failure analysis are explained in detail within the separate Enercon Calculation entitled "TXUT-001-FSAR 2.4.4-CALC-015, Brazos River Dam Failure Analysis for Comanche Peak Nuclear Power Plant Units 3 and 4" (Reference 4), and hereafter referred to as the Enercon Dam Failure Calculation. The combined flows from the Paluxy River, Squaw Creek, the Brazos River and Basin 3 were used as boundary conditions for the Lower Brazos River (station 268430).

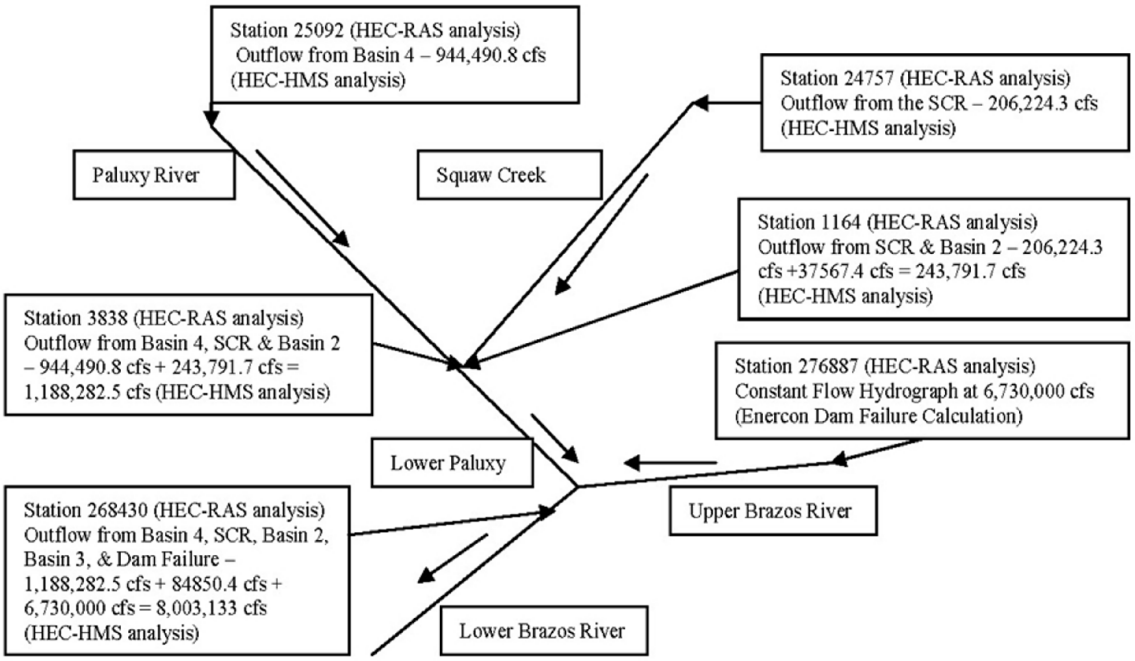


Figure 7-18– HEC-RAS Schematic – Steady State Analysis

The normal depth boundary condition was used for downstream end of Lower Brazos River. Figure 7-17 shows the locations where 570 ft and 560 ft contours cross the Brazos River. The distance between the two locations is approximately 31,159 ft. Therefore, the slope is approximately 0.00032 ft/ft.

Cross-sections, as determined by the Dam Breach Analysis (Reference 2), were further interpolated to stabilize the HEC-RAS model for the PMF analysis. The HEC-RAS analysis extends the cross-sections vertically to accommodate the flows. Extending the cross-sections vertically will prevent the river/creek flow from spreading out into the flood plain or to its actual width within the cross-section. This will result in a higher, more conservative water surface elevation at the confluence of the Brazos River and the Paluxy River.

The peak elevation on the downstream side of the Squaw Creek Dam (station 24757), downstream end of Lower Paluxy River (station 814), and downstream end of upper Brazos River (station 276887) are shown in Table 7-23. The steady state HEC-RAS analysis inputs and outputs are included in Appendix A.

Table 7-23: HEC-RAS Results (Steady State Analysis)

HEC-RAS Analysis (Steady State)		
Reach	Upstream End Peak Elevation (ft)	Downstream End Peak Elevation (ft)
Squaw Creek	758.22	758.14
Paluxy River	759.18	758.10
Lower Paluxy River	758.05	757.89
Upper Brazos River	760.05	759.66
Lower Brazos River	759.50	758.83

As expected, the cross-section at the upstream end of the Upper Brazos River indicates the highest water surface elevation. Therefore, that value is used in the unsteady analysis to maximize the backwater estimates at the toe of the Squaw Creek Dam. A plot of the Lower Brazos River cross-section 268430 near the confluence of the Brazos River and the Lower Paluxy River is shown below in Figure 7-19. Figure 7-20 shows the plot of the Upper Brazos River Cross Section 276887.

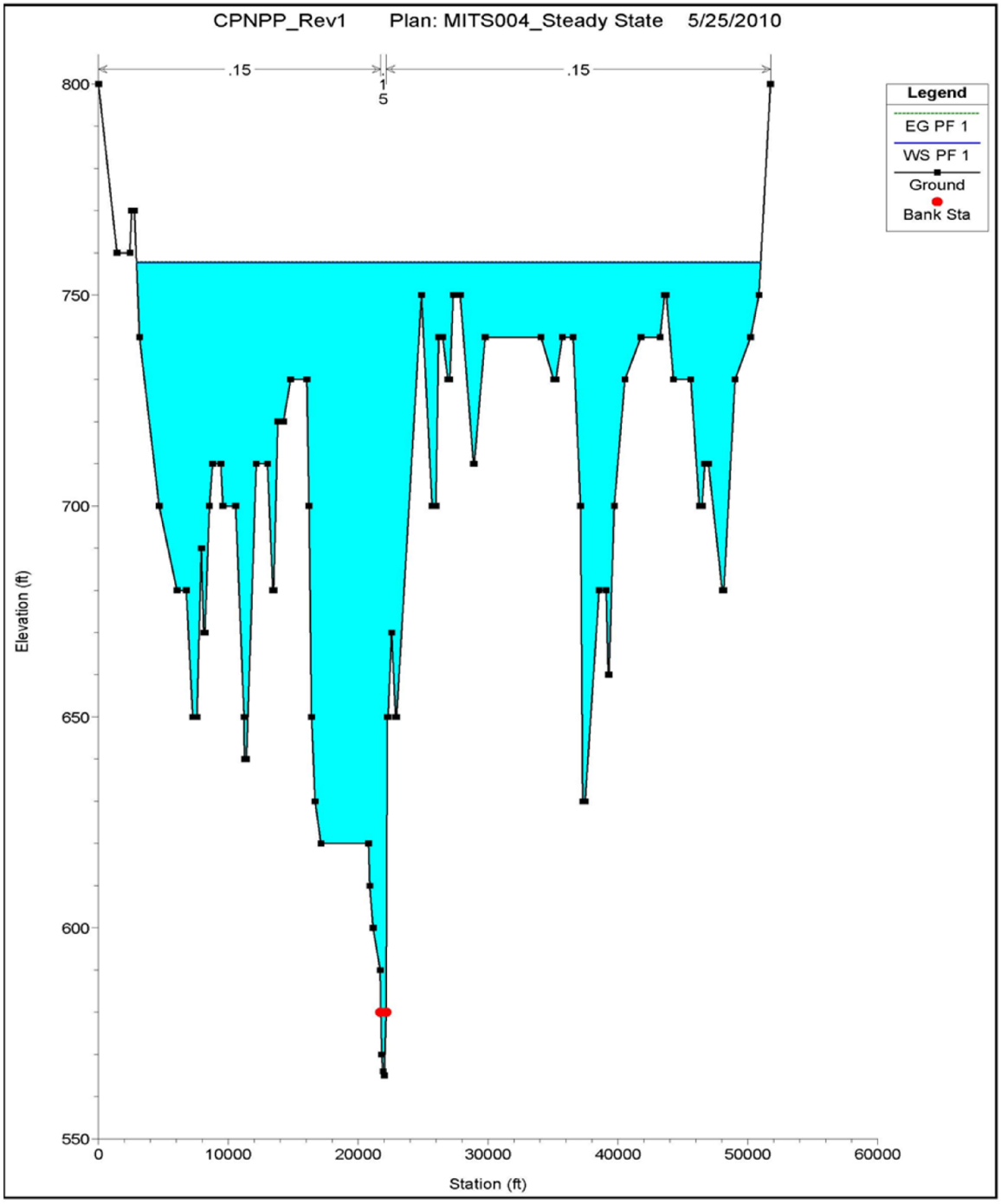


Figure 7-19– Lower Brazos River Cross-section 268430

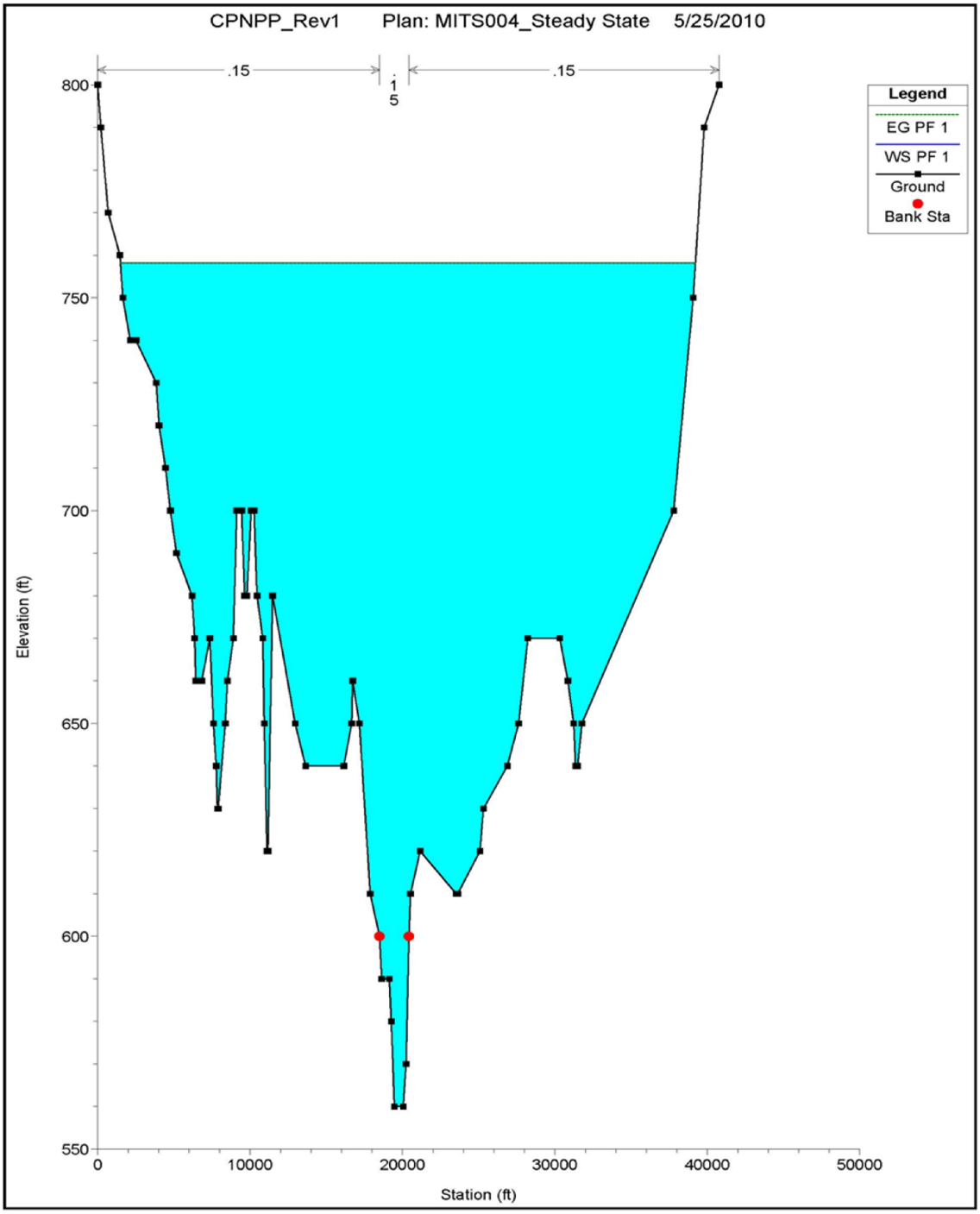


Figure 7-20– Upper Brazos River Cross-section 276887

HEC-RAS Unsteady Flow Routing

An unsteady flow hydraulic analysis was performed to assess the backwater flows downstream of the Squaw Creek Dam. HEC-RAS computer software was used to route the 72 hr PMF hydrographs from the HEC-HMS model. To obtain a conservative estimate of the backwater at toe of the Squaw Creek dam, the channel cross-section and Manning's roughness coefficient are the same as were used in the steady state analysis. Manning's coefficient of 0.15 was used to maximize the effects of backwater. Additional considerations were made such as energy losses due to contraction or expansion of flow due to change in the cross-section. These energy losses are higher if there is an abrupt change, for example in cases of bridges and culverts. The analysis does not include any structures such as bridges and culverts within the HEC-RAS model. The relative change in cross-section shape for the Squaw Creek and the Paluxy River is gradual. Therefore, the contraction and expansion coefficients are based on gradual transitions. The HEC-RAS manual (Reference 9) suggests a contraction and expansion coefficients of 0.10 and 0.30 respectively, for gradual transitions.

The confluence of Squaw Creek with the Paluxy River is approximately 4200 feet upstream of the confluence of the Paluxy River and the Brazos River. The portion of the Paluxy River downstream of Squaw Creek is referred to as Lower Paluxy in HEC-RAS Model. The HEC-RAS schematic for Squaw Creek and the Paluxy River is shown in Figure 7-21.

The hydrographs from the HEC-HMS analysis at the SCR and for each sub-basin were routed using the HEC-RAS software. As discussed earlier, the two-thirds temporal distribution for storm center SC X results in a higher runoff for Basin 1 and Basin 2. The center temporal distribution for storm center PR Y results in maximum runoff at the confluence of the Paluxy River and Squaw Creek. The maximum runoff at the confluence of the Paluxy River and Squaw Creek may result in maximum water surface elevation at the confluence of Brazos River and Paluxy River. Therefore, hydrographs obtained due to the center temporal distribution for storm center PR Y were used as the input hydrographs for the HEC-RAS analysis. The outflow hydrograph from the SCR (shown in Figure 7-22), resulting from the HEC-HMS analysis with storm center at PR Y, was used as a flow boundary condition for Squaw Creek at upstream end of the Squaw Creek (station 24757). The HEC-HMS outflow hydrograph for Basin 2 (shown in Figure 7-20), resulting from the HEC-HMS analysis with storm center at PR Y, was applied as a lateral inflow boundary condition at the downstream end of Squaw Creek (station 1214). The HEC-HMS outflow hydrograph for Basin 4 (shown in Figure 7-21), resulting from the HEC-HMS analysis with storm center at PR Y, was applied as a flow boundary condition at the upstream end of the Paluxy River (station 25092) in the HEC-RAS analysis. The HEC-HMS output hydrograph for Basin 3 (shown in Figure 7-22), resulting from the HEC-HMS analysis with storm center at PR Y, was applied as a lateral inflow boundary condition for the Lower Paluxy River (station 924) in the HEC-RAS analysis.

A stage hydrograph with constant elevation of 760.05 ft was used as the boundary condition for the Lower Paluxy River (station 874). The elevation of 760.05 feet is the highest of the elevations for the Brazos River listed in Table 7-23. The higher elevation at the confluence of the Brazos River and the Paluxy River results in a higher elevation at the toe of the SCR. The water surface elevation of 760.05 ft at the confluence of the Brazos River and the Paluxy River was due to the hydrologically sequential failures of the Fort Phantom Hill Dam, the proposed Cedar Ridge Reservoir Dam, the Morris Sheppard Dam, and the De Cordova Bend Dam coincident with the PMF and the simultaneous failure of the Lake Stamford Dam. The initial flow was assumed to be zero for Squaw Creek and the Paluxy River as the base flows are already applied within HEC-HMS analysis.

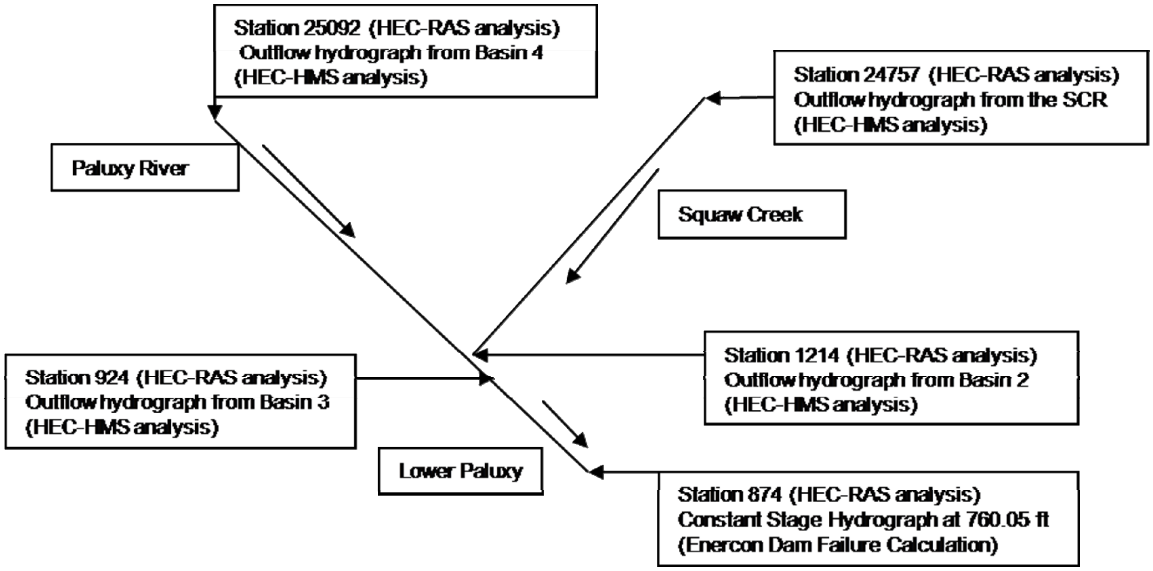


Figure 7-21– HEC-RAS schematic - Unsteady State Analysis

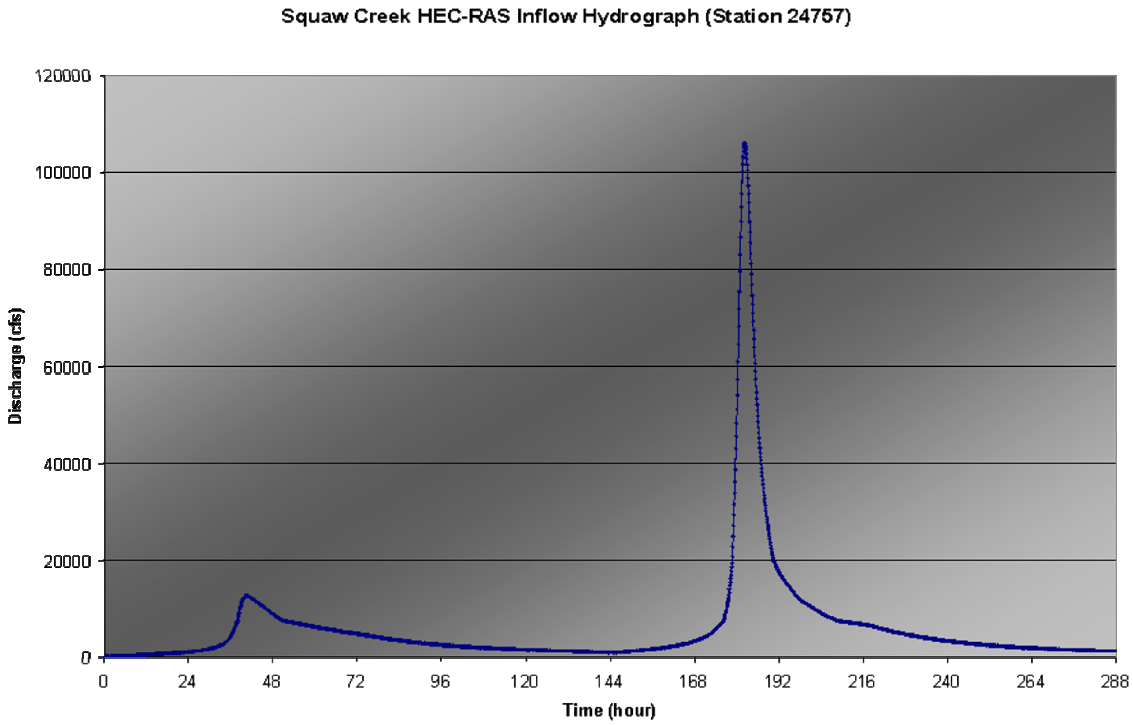


Figure 7-22– Squaw Creek (station 24757) inflow hydrograph from HEC-HMS (Squaw Creek Reservoir, storm center at PR Y)

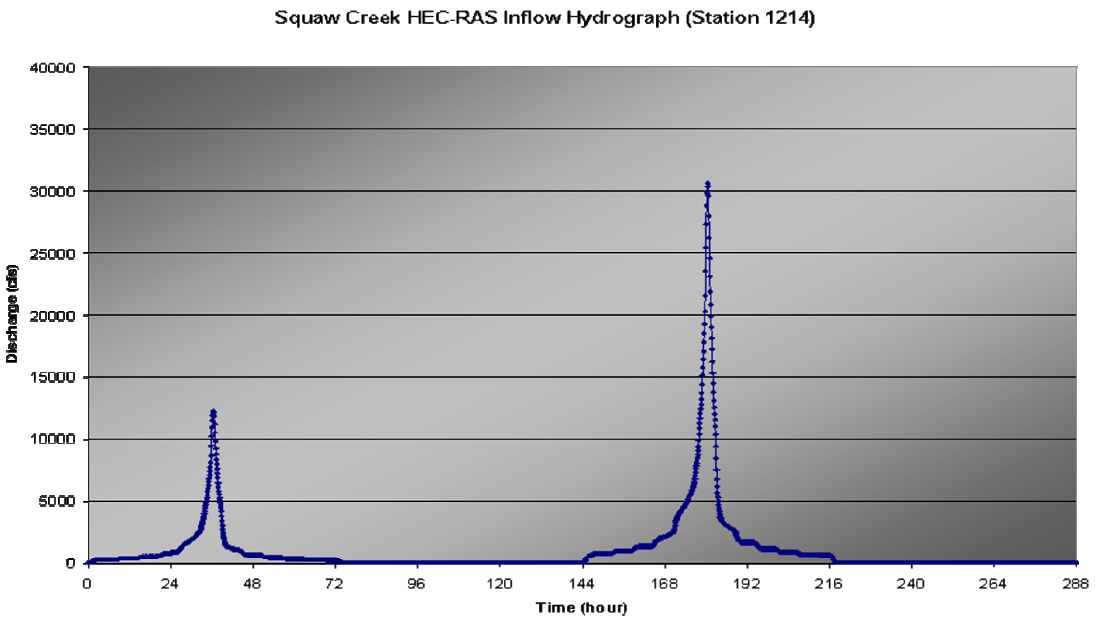


Figure 7-23– Squaw Creek (station 1214) inflow hydrograph from HEC-HMS (Basin 2, storm center at PR Y)

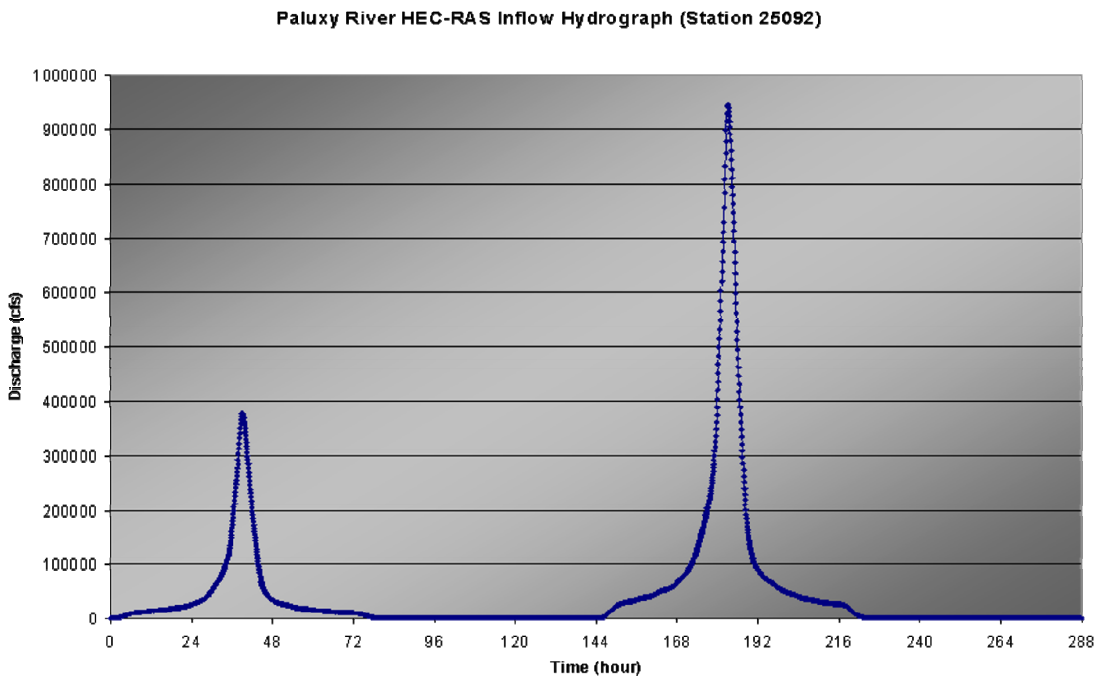


Figure 7-24– Paluxy River (station 25092) inflow hydrograph from HEC-HMS (Basin 4, storm center at PR Y)

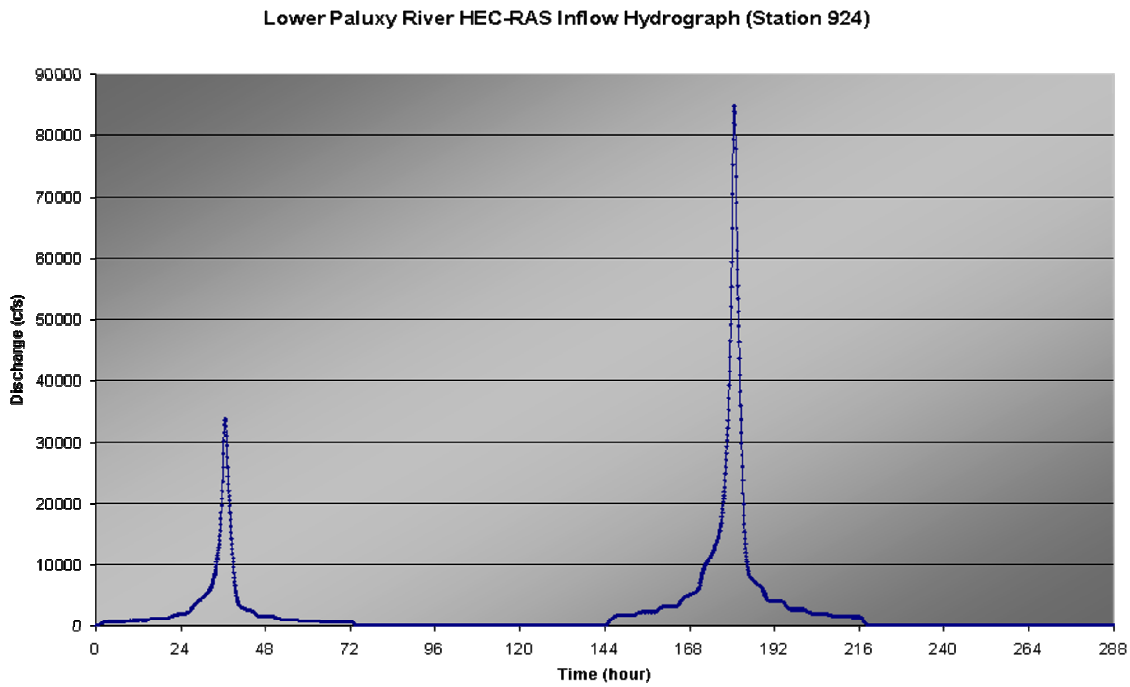


Figure 7-25– Lower Paluxy River (station 924) inflow hydrograph from HEC-HMS (Basin 3, storm center at PR Y)

The cross-sections for the HEC-RAS model were taken from the Dam Breach Analysis. Due to the distance between the input cross-sections, additional, interpolated cross-sections were required to allow the HEC-RAS model for the PMF analysis to properly balance. The HEC-RAS analysis extends the cross-sections vertically to accommodate the flows. Extending the cross-sections vertically will prevent the river/creek flow from spreading out into the flood plain or to its actual width within the cross-section. This will result in a higher water surface elevation at the downstream end of the Squaw Creek Dam. The peak flow and the peak elevation on the downstream side of the Squaw Creek dam are shown in Table 7-24. A 5-minute computation interval was used along with a 5-minute detailed hydrograph output interval. The HEC-RAS analysis inputs and outputs are included in Appendix B. The results from the HEC-RAS analysis are summarized in Table 7-24.

Table 7-24: HEC-RAS Results (Unsteady State Analysis)

HEC-RAS Analysis		
Location	Peak Flow (cfs)	Peak Elev. (ft)
Downstream of Squaw Creek Dam	100,440	760.39

The HEC-RAS outputs at downstream side of the Squaw Creek Dam (station 24757) and the downstream end of the Lower Paluxy River (station 874) are shown in Figures 7-26 and 7-27, respectively. The stage hydrograph is at the constant stage of 760.05 ft, which is obtained from the Enercon Dam Failure Calculation (Reference 4). The HEC-RAS model calculates the elevation at the downstream end of the Squaw Creek dam, due to the PMF at the Squaw Creek and the Paluxy River watersheds and higher stage at the confluence of the Brazos River and the Paluxy River.

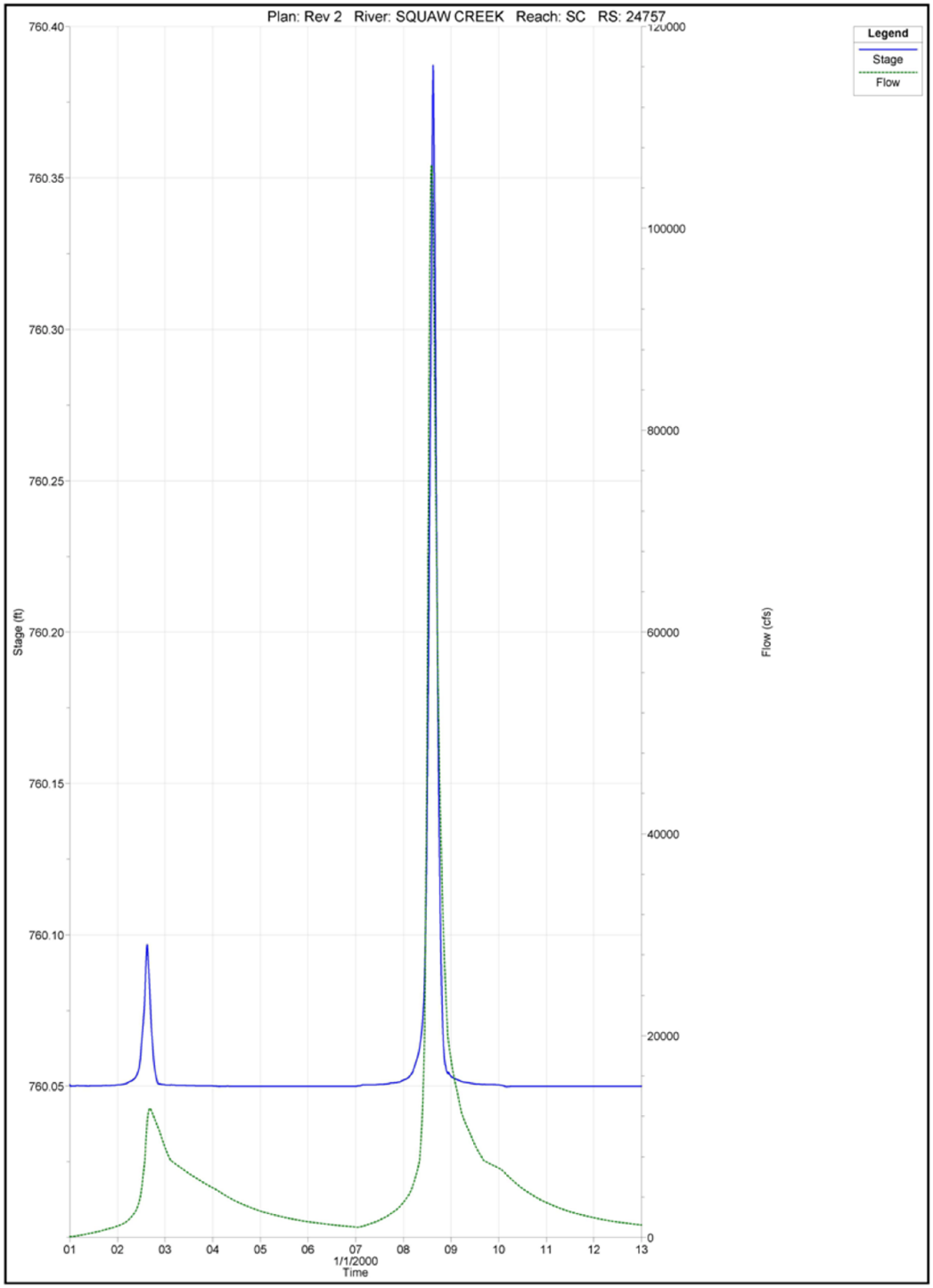


Figure 7-26–Stage-Flow hydrograph downstream of Squaw Creek Dam (station 24757, HEC-RAS Analysis)

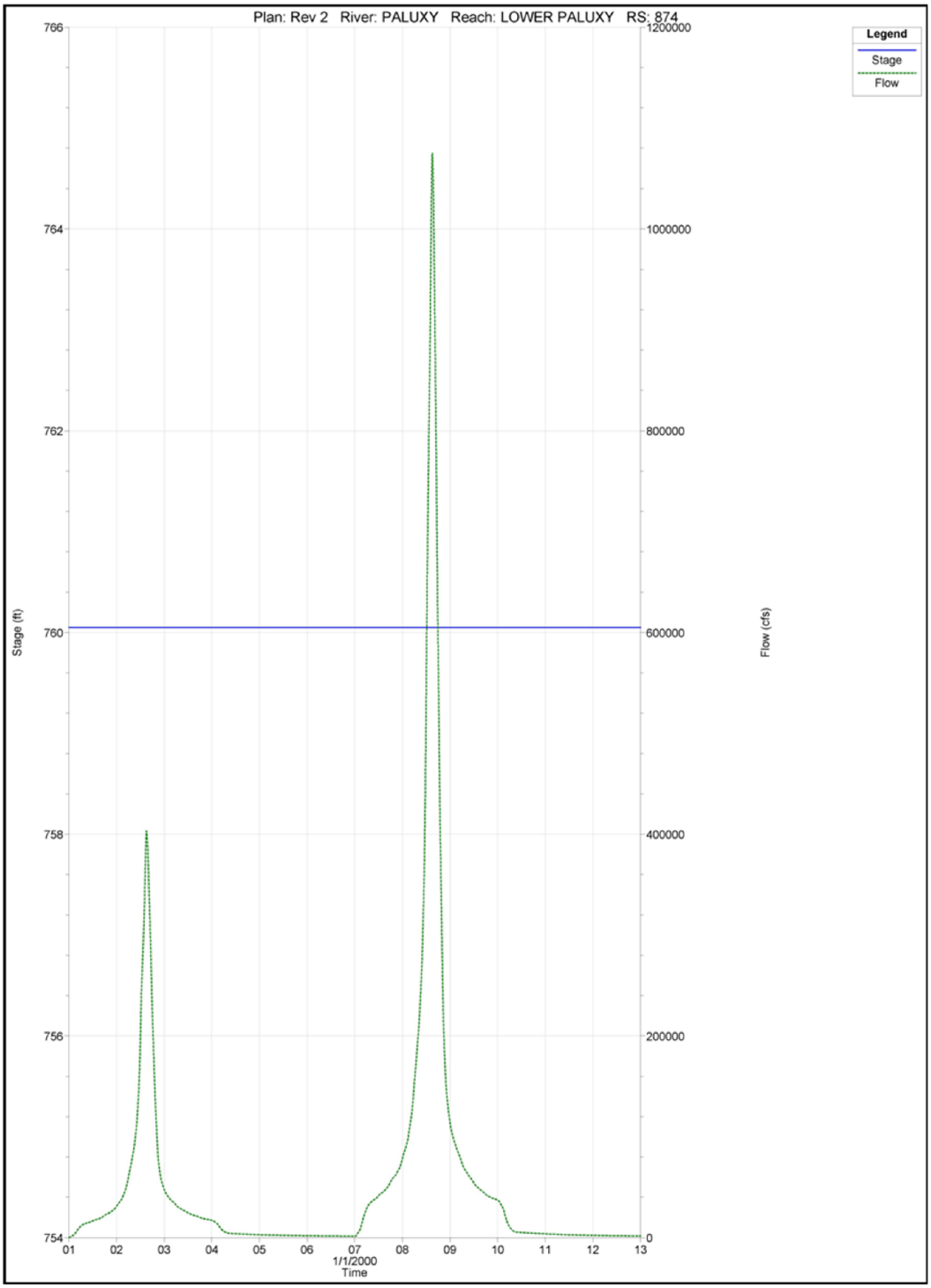


Figure 7-27–Stage-Flow hydrograph at the downstream end of Lower Paluxy River (station 874, HEC-RAS Analysis)

HEC-RAS Sensitivity Analysis

The existing HEC-RAS model discussed above uses the HEC-HMS output with the storm center at PR Y with center temporal distributions. The center distribution with the storm center at PR Y results in a higher runoff at the confluence of the Brazos River and Squaw Creek. The two-thirds temporal distribution with the storm center at SC X results in higher water surface elevation for Basins 1 and 2. It should be noted that the Basin 1 PMP calculations include only the Basin 1 areas, while the Basin 2 PMP is based on the combined hydrographs from the SCR and Basin 2. The change in timing of the two storms may alter the water surface elevation at toe of the Squaw Creek Dam. Therefore, a sensitivity analysis was performed by revising the inflow hydrographs in HEC-RAS analysis

The outflow hydrograph from the SCR, resulting from the HEC-HMS analysis with the storm center at SC X, was used as a flow hydrograph boundary condition for Squaw Creek at the upstream end of Squaw Creek (station 24757). The HEC-HMS output hydrograph for Basin 2, resulting from the HEC-HMS analysis with the storm center at SC X, was applied as a lateral inflow hydrograph boundary condition at the downstream end of Squaw Creek (station 1214). The HEC-HMS output hydrograph for Basin 4, resulting from the HEC-HMS analysis with storm center at PR Y, was applied as a flow hydrograph boundary condition at the upstream end of the Paluxy River (station 25092) in the HEC-RAS analysis. The HEC-HMS output hydrograph for Basin 3, resulting from the HEC-HMS analysis with the storm center at PR Y, was applied as a lateral inflow hydrograph boundary condition for the Lower Paluxy River (station 924) in the HEC-RAS analysis. The HEC-RAS sensitivity analysis inputs and outputs are included in Appendix C.

An unsteady analysis similar to the analysis described above was performed to obtain the backwater elevation at the toe of the Squaw Creek Dam. The results from the HEC-RAS sensitivity analysis are summarized in Table 7-25.

Table 7-25: HEC-RAS Results (Sensitivity Analysis)

HEC-RAS Analysis		
Location	Peak Flow (cfs)	Peak Elev. (ft)
Downstream of Squaw Creek Dam	5500	760.31

The results of the sensitivity analysis indicate that the water surface elevation at the downstream end of the Squaw Creek Dam is 760.31 ft., which is less than the elevation of 760.39 ft listed in Table 7-24. Therefore, the resulting water surface elevation at the toe of the Squaw Creek Dam due to the PMF on Squaw Creek and the Paluxy River, including the effect of upstream existing and proposed dam failures, is 760.39 ft.

The water surface elevation at the downstream side of the Squaw Creek dam with adjustment due to different datum will be 761.05 ft (760.39 ft + 0.66 ft).

8.0 Appendices

Appendix A includes the results from the HEC-RAS Steady State Analysis.

Appendix B includes the results from the HEC-RAS Unsteady State Analysis

Appendix C includes the results from the HEC-RAS Sensitivity Analysis

```
                    HEC-RAS Version 3.1.3 May 2005
                     U.S. Army Corp of Engineers
                    Hydrologic Engineering Center
                          609 Second Street
                          Davis, California


          X     X  XXXXXX    XXXX        XXXX       XX      XXXX
          X     X  X        X    X       X   X     X  X    X
          X     X  X        X            X   X    X    X   X
          XXXXXXX  XXXX     X       XXX  XXXX     XXXXXX    XXXX
          X     X  X        X            X  X     X    X        X
          X     X  X        X    X       X   X    X    X        X
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Run Date and Time: 6/14/2010 1:50:43 PM

Project in English units


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Plan Summary Information:
Number of:  Cross Sections = 2821    Multiple Openings  =    0
            Culverts       =    0    Inline Structures  =    0
            Bridges        =    0    Lateral Structures =    0

Computational Information
    Water surface calculation tolerance  =  0.01
    Critical depth calculation tolerance =  0.01
    Maximum number of iterations         =  20
    Maximum difference tolerance         =  0.3
    Flow tolerance factor                =  0.001

Computation Options
    Critical depth computed only where necessary
    Conveyance Calculation Method: At breaks in n values only
    Friction Slope Method:         Average Conveyance
    Computational Flow Regime:     Subcritical Flow



FLOW DATA

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Calc\PMF\Rev 2\Files for Barry 061110\HECRAS_Steady State\SS_Rev2.f01

Flow Data (cfs)

  River           Reach           RS                  PF 1
  BRAZOS          UPPER BRAZOS    276887            6730000
  BRAZOS RIVER    LOWER BRAZOS    268430            8003133
  PALUXY          PALUXY RIVER    25092            944490.8
  PALUXY          LOWER PALUXY    3838              1188283
  SQUAW CREEK     SC              24757            206224.3
  SQUAW CREEK     SC              1164             243791.7


Boundary Conditions

  River           Reach           Profile                       Upstream                 Downstream

  BRAZOS RIVER    LOWER BRAZOS    PF 1                                              Normal S = 0.00032
  PALUXY          PALUXY RIVER    PF 1                     Normal S = 0.00133



GEOMETRY DATA

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2.4.3 Calc\PMF\Rev 2\Files for Barry 061110\HECRAS_Steady State\SS_Rev2.g02

Reach Connection Table

  River            Reach               Upstream Boundary    Downstream Boundary

  BRAZOS           UPPER BRAZOS                                 J2
  BRAZOS RIVER     LOWER BRAZOS         J2
  PALUXY           PALUXY RIVER                                 LP
  PALUXY           LOWER PALUXY         LP                      J2
  SQUAW CREEK      SC                                           LP


JUNCTION INFORMATION

Name: LP
Description:
Energy computation Method

    Length across Junction             Tributary
```

```
     River           Reach              River           Reach        Length   Angle
PALUXY          PALUXY RIVER     to PALUXY          LOWER PALUXY          75
SQUAW CREEK     SC               to PALUXY          LOWER PALUXY          10

Name: J2
Description:
Energy computation Method

    Length across Junction             Tributary
     River           Reach              River           Reach        Length   Angle
PALUXY          LOWER PALUXY     to BRAZOS RIVER    LOWER BRAZOS         200
BRAZOS          UPPER BRAZOS     to BRAZOS RIVER    LOWER BRAZOS         500

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276887

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800    1559     750    2290     750    3122     710    3210     710
    3383     720    3660     720    4506     700    4798     700    5731     690
    6417     690    6604     700    7123     660    7520     610    8474     600
    8598     580    8920     580    9029     610    9455     610    9591     600
    9639     590    9822     590   10039     610   12101     610   12308     600
   13554     600   13560     590   14701     580   14734   568.2   15068   568.2
   15110     580   15202     610   15469     650   16377     660   18925     660
   19288     650   22713     650   24059     660   25215     660   25874     650
   27000     650   28116     660   29255     690   29944     690   30948     760
   31096     760   31736     700   31772     700   33425     780   34712     770
   35077     790   35120     790   35438     780   35782     790   37471     790
   37835     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   14701     .15   15110     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         14701   15110                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.12    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1474620.00   78025.16   1621737.00
  E.G. Slope (ft/ft)      0.000097    Area (sq ft)            1474620.00   78025.16   1621737.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3290558.00  250706.30   3188735.00
  Top Width (ft)          31767.27    Top Width (ft)          13455.44     409.00   17902.84
  Vel Total (ft/s)            2.12    Avg. Vel. (ft/s)            2.23       3.21       1.97
  Max Chl Dpth (ft)         191.85    Hydr. Depth (ft)          109.59     190.77      90.59
  Conv. Total (cfs)       683504300.0    Conv. (cfs)            334191800.0  25461940.0  323850500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13476.05     412.67   17918.03
  Min Ch El (ft)            568.20    Shear (lb/sq ft)            0.66       1.14       0.55
  Alpha                       1.03    Stream Power (lb/ft s)      1.48       3.68       1.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    189629.90  27186.90   222012.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1750.24     134.41    2171.92


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276884.*

INPUT
Description:
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  1559.4  749.99 1703.13  749.99 2003.68  749.99 2290.59  749.99 3061.18  712.98
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15094.59  574.2215115.32  580.0215207.31     61015227.01  612.9515474.28  649.96
15930.71  654.9916382.18  659.9618572.35  659.9518691.87  659.9518929.92  659.95
19292.88  649.9620315.95  649.9720582.91  649.9822320.92  649.9922717.52  649.99
23156.42  653.2623831.07  658.2924063.38  660.0125219.26  660.0125878.19  650.02
 26162.2  650.0226757.54  650.0127004.07     650   27182  651.59 27327.2  652.88
27481.35  654.2627786.28     65728119.95  659.9929258.83  689.9729947.76  689.98
30951.66  759.9131099.64  759.9131739.57  699.9831775.57  699.98 33428.4  779.91
34510.47  771.5234715.26  769.9435080.22  789.9335123.22  789.9335441.19  779.95
35785.15  789.9535949.13  789.9636752.23     79037473.97  790.0137837.93     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1514704.79     .15 1515115.32     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14704.7915115.32                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.12    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1474715.00   78310.38   1621973.00
  E.G. Slope (ft/ft)      0.000097    Area (sq ft)            1474715.00   78310.38   1621973.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3289587.00  251578.80   3188835.00
  Top Width (ft)          31771.99    Top Width (ft)          13459.01     410.53   17902.45
  Vel Total (ft/s)            2.12    Avg. Vel. (ft/s)            2.23       3.21       1.97
```

```
  Max Chl Dpth (ft)          191.85    Hydr. Depth (ft)          109.57     190.75      90.60
  Conv. Total (cfs)        683659300.0    Conv. (cfs)            334168800.0   25556340.0   323934100.0
  Length Wtd. (ft)             5.00    Wetted Per. (ft)        13479.59     414.15   17917.61
  Min Ch El (ft)             568.20    Shear (lb/sq ft)            0.66       1.14       0.55
  Alpha                        1.03    Stream Power (lb/ft s)      1.48       3.68       1.08
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    189460.60   27177.93   221826.00
  C & E Loss (ft)              0.00    Cum SA (acres)           1748.70     134.37    2169.86


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276881.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   169.4  794.56  551.15  782.31 1161.16  762.77 1314.66  757.84
  1559.8  749.99 1703.57  749.98  2004.2  749.98 2291.18  749.97 3061.97     713
 3123.61  710.03 3201.94  710.02 3211.66  710.02 3384.75  719.99 3539.16  719.98
 3661.89  719.97 3793.66  716.85 4115.76  709.24 4508.33  699.97 4800.48  699.96
 4926.19  698.62 5062.99  697.13 5121.84  696.48  5433.6  693.15 5733.96  689.95
 5855.12  689.96 6044.41  689.92 6187.56   689.9  6248.8  689.88 6290.95  689.88
 6420.31  689.89 6607.41  699.89 6661.57  695.74 6772.92   687.2 7085.48  663.19
 7126.68  660.03 7259.65  643.37 7511.77   611.7 7523.88  610.18 7672.42  608.59
 7791.72  607.34 8010.43  605.09 8160.74  603.52 8318.22  601.83 8478.37  600.15
 8602.44  580.18 8617.26  580.18  8694.4  580.14 8839.15  580.08 8888.46  580.08
  8924.6   580.1 9033.66  610.09 9126.26  610.14 9459.88  610.12 9595.95  600.14
 9643.97  590.15 9827.07  590.1410044.18  610.0910302.53  610.0810848.92  610.06
12107.24  610.0612314.35  600.0812846.75  600.0813256.34   600.113308.03  600.12
13560.99  600.11   13567  590.1313658.77  589.3214225.83  584.2814708.59  580.04
14713.67   578.314731.58  572.26 14736.2  570.6814743.47   568.215077.96   568.2
15099.75  574.2215120.63  580.0415212.61     61015232.32  612.9515479.56  649.93
15935.94  654.9616387.37  659.9218577.31   659.918696.81   659.918934.83   659.9
19297.76  649.9320320.72  649.9420587.65  649.9622325.48  649.9822722.04  649.99
23160.89  653.2523835.47   658.324067.76  660.0225223.52  660.0225882.38  650.04
26166.36  650.0426761.64  650.0227008.14  650.0127186.05  651.5927331.24  652.87
27485.37  654.2527790.27     65728123.91  659.9829262.67  689.9429951.52  689.95
30955.31  759.8331103.28  759.8331743.15  699.9631779.14  699.9633431.79  779.82
34513.75  771.4534718.52  769.8735083.45  789.8635126.44  789.8635444.37   779.9
 35788.3  789.9135952.26  789.9236755.29     79037476.95  790.0137840.87     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514708.59    .1515120.63     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14708.5915120.63                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             760.12    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             760.05    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                       Flow Area (sq ft)        1474821.00   78591.80   1622191.00
  E.G. Slope (ft/ft)       0.000097    Area (sq ft)             1474821.00   78591.80   1622191.00
  Q Total (cfs)            6730000.00    Flow (cfs)              3288661.00   252440.00   3188900.00
  Top Width (ft)           31776.89    Top Width (ft)           13462.79     412.04   17902.07
  Vel Total (ft/s)             2.12    Avg. Vel. (ft/s)            2.23       3.21       1.97
  Max Chl Dpth (ft)          191.85    Hydr. Depth (ft)          109.55     190.74      90.61
  Conv. Total (cfs)        683808200.0    Conv. (cfs)            334147600.0   25649410.0   324011200.0
  Length Wtd. (ft)             5.00    Wetted Per. (ft)        13483.32     415.61   17917.21
  Min Ch El (ft)             568.20    Shear (lb/sq ft)            0.66       1.14       0.55
  Alpha                        1.03    Stream Power (lb/ft s)      1.47       3.67       1.08
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    189291.30   27168.92   221639.80
  C & E Loss (ft)              0.00    Cum SA (acres)           1747.15     134.32    2167.81


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276878.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   169.45  794.56   551.3   782.3 1161.46  762.77    1315  757.83
 1560.21  749.98 1704.01  749.97 2004.71  749.97 2291.77  749.96 3062.76  713.01
 3124.42  710.05 3202.77  710.03 3212.48  710.03 3385.62  719.98 3540.07  719.97
 3662.83  719.96 3794.64  716.84 4116.83  709.22 4509.49  699.96 4801.71  699.94
 4927.46   698.6 5064.29  697.11 5123.16  696.45    5435  693.12 5735.44  689.93
 5856.63  689.94 6045.97  689.88 6189.16  689.85 6250.41  689.82 6292.58  689.82
 6421.97  689.84 6609.11  699.84 6663.29  695.69 6774.66  687.17  7087.3  663.19
 7128.51  660.05 7261.52  643.43  7513.7  611.79 7525.82  610.27  7674.4  608.66
 7793.73  607.41  8012.5  605.19 8162.85  603.62 8320.36  601.91 8480.56  600.22
 8604.66  580.27 8619.48  580.27 8696.64  580.21 8841.43  580.12 8890.75  580.12
  8926.9  580.15 9035.99  610.14 9128.61  610.21 9462.32  610.18 9598.42   600.2
 9646.46  590.23  9829.6  590.2210046.77  610.1410305.19  610.1210851.71  610.09
12110.37  610.0912317.53  600.1212850.06  600.1213259.76  600.1513311.47  600.18
13564.49  600.16 13570.5  590.1913662.29  589.38 14229.5  584.3114712.38  580.06
 14717.6  578.3114735.99  572.2814740.74  570.69 14748.2   568.215082.94   568.2
 15104.9  574.2115125.95  580.0615217.92  609.9915237.62  612.9415484.84  649.89
15941.17  654.9216392.55  659.8718582.26  659.8518701.75  659.8518939.75  659.85
19302.64  649.89 20325.5  649.91 20592.4  649.9422330.04  649.9722726.56  649.98
23165.37  653.2523839.88  658.3124072.14  660.0325227.77  660.0325886.57  650.06
26170.52  650.0626765.74  650.0327012.21  650.01 27190.1  651.5927335.28  652.86
27489.39  654.2327794.26  656.9928127.86  659.98 29266.5  689.9129955.29  689.93
30958.97  759.7431106.92  759.7431746.72  699.9431782.71  699.9433435.19  779.74
34517.04  771.3834721.79  769.8135086.67  789.7935129.66  789.7935447.56  779.86
35791.45  789.8635955.39  789.8836758.33     79037479.92  790.02 37843.8     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514712.38    .1515125.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14712.3815125.95                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
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```
  E.G. Elev (ft)            760.12    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1474911.00   78877.10   1622433.00
  E.G. Slope (ft/ft)      0.000097    Area (sq ft)            1474911.00   78877.10   1622433.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3287660.00   253309.60   3189031.00
  Top Width (ft)          31781.51    Top Width (ft)          13466.41     413.57   17901.53
  Vel Total (ft/s)           2.12    Avg. Vel. (ft/s)           2.23       3.21       1.97
  Max Chl Dpth (ft)         191.85    Hydr. Depth (ft)         109.53     190.72      90.63
  Conv. Total (cfs)       683964500.0    Conv. (cfs)            334122200.0   25743660.0   324098700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13486.91     417.09   17916.65
  Min Ch El (ft)            568.20    Shear (lb/sq ft)           0.66       1.14       0.55
  Alpha                       1.03    Stream Power (lb/ft s)     1.47       3.67       1.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    189122.00   27159.89   221453.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1745.61     134.27    2165.75


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276875.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  169.49  794.55  551.44  782.28 1161.76  762.77 1315.34  757.83
 1560.61  749.97 1704.45  749.96 2005.23  749.96 2292.36  749.95 3063.55  713.03
 3125.22  710.06  3203.6  710.04 3213.31  710.04 3386.49  719.98 3540.98  719.96
 3663.78  719.94 3795.62  716.82 4117.89   709.2 4510.65  699.94 4802.95  699.93
 4928.73  698.58  5065.6  697.08 5124.48  696.41 5436.41  693.08 5736.91  689.91
 5858.14  689.92 6047.52  689.84 6190.75   689.8 6252.03  689.76  6294.2  689.76
 6423.62  689.79 6610.82  699.79 6665.01  695.64 6776.41  687.14 7089.13   663.2
 7130.35  660.07 7263.39  643.49 7515.64  611.88 7527.76  610.35 7676.38  608.73
 7795.74  607.49 8014.56  605.28 8164.95  603.71 8322.51  601.99 8482.75   600.3
 8606.87  580.36  8621.7  580.36 8698.89  580.28 8843.71  580.16 8893.04  580.16
 8929.21   580.2 9038.32  610.19 9130.97  610.28 9464.76  610.25  9600.9  600.27
 9648.95  590.31 9832.14  590.2910049.36  610.1910307.84  610.1610854.51  610.12
12113.49  610.12 12320.7  600.1612853.38  600.1613263.17   600.2 13314.9  600.24
13567.99  600.2113573.99  590.2513665.81  589.4414233.17  584.3314716.17  580.08
14721.53  578.3314740.41  572.2914745.27   570.714752.94   568.215087.92   568.2
15110.05  574.2115131.27  580.0815223.23  609.9915242.93  612.9415490.12  649.85
 15946.4  654.8916397.74  659.8318587.22   659.8 18706.7   659.818944.67  659.81
19307.52  649.8520330.27  649.8820597.14  649.9222334.61  649.9622731.08  649.98
23169.84  653.2523844.28  658.3224076.52  660.0425232.03  660.0425890.76  650.08
26174.68  650.0826769.84  650.0427016.28  650.0227194.15  651.5927339.31  652.84
27493.41  654.2227798.25  656.9828131.81  659.9729270.34  689.8829959.05   689.9
30962.63  759.6531110.57  759.66 31750.3  699.9231786.28  699.9233438.59  779.65
34520.32  771.3134725.05  769.7535089.89  789.7235132.88  789.7335450.75  779.81
 35794.6  789.8235958.53  789.8436761.38     79037482.89  790.0337846.74     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514716.17     .1515131.27     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14716.1715131.27                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.12    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1475008.00   79161.95   1622661.00
  E.G. Slope (ft/ft)      0.000097    Area (sq ft)            1475008.00   79161.95   1622661.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3286718.00   254176.90   3189106.00
  Top Width (ft)          31786.11    Top Width (ft)          13469.86     415.10   17901.14
  Vel Total (ft/s)           2.12    Avg. Vel. (ft/s)           2.23       3.21       1.97
  Max Chl Dpth (ft)         191.85    Hydr. Depth (ft)         109.50     190.71      90.65
  Conv. Total (cfs)       684119200.0    Conv. (cfs)            334102000.0   25837630.0   324179600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13490.34     418.57   17916.24
  Min Ch El (ft)            568.20    Shear (lb/sq ft)           0.66       1.14       0.55
  Alpha                       1.03    Stream Power (lb/ft s)     1.47       3.67       1.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    188952.80   27150.82   221267.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1744.06     134.22    2163.70


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276872.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  169.53  794.55  551.58  782.27 1162.06  762.76 1315.68  757.82
 1561.01  749.97 1704.89  749.95 2005.75  749.95 2292.95  749.94 3064.34  713.05
 3126.03  710.08 3204.42  710.05 3214.14  710.05 3387.36  719.97  3541.9  719.95
 3664.72  719.93  3796.6   716.8 4118.95  709.18 4511.81  699.93 4804.19  699.91
    4930  698.56  5066.9  697.05  5125.8  696.37 5437.81  693.05 5738.39  689.89
 5859.65   689.9 6049.08   689.8 6192.35  689.75 6253.64   689.7 6295.82   689.7
 6425.28  689.73 6612.52  699.74 6666.73   695.6 6778.16  687.11 7090.96  663.21
 7132.19  660.09 7265.27  643.54 7517.58  611.97  7529.7  610.44 7678.35   608.8
 7797.75  607.56 8016.63  605.38 8167.06  603.81 8324.65  602.07 8484.93  600.37
 8609.09  580.45 8623.92  580.45 8701.13  580.35 8845.99   580.2 8895.34   580.2
 8931.51  580.25 9040.65  610.23 9133.32  610.35  9467.2  610.31 9603.37  600.34
 9651.43  590.38 9834.67  590.3610051.95  610.23 10310.5   610.210857.31  610.15
12116.61  610.1512323.88   600.212856.69   600.213266.59  600.2513318.33   600.3
13571.49  600.2613577.49  590.3113669.33   589.514236.83  584.3614719.96   580.1
14725.46  578.3414744.82  572.3114749.81  570.7114757.67  568.1915092.89  568.19
 15115.2   574.215136.58   580.115228.54  609.9915248.24  612.94 15495.4  649.82
15951.63  654.8516402.92  659.7918592.17  659.7518711.64  659.7518949.59  659.76
19312.39  649.8220335.04  649.8520601.88   649.922339.17  649.95 22735.6  649.97
23174.32  653.2423848.69  658.3324080.89  660.0525236.29  660.0525894.94   650.1
26178.83   650.126773.93  650.0527020.35  650.02 27198.2  651.5927343.35  652.83
27497.43  654.2127802.23  656.9728135.77  659.9629274.17  689.8529962.81  689.88
30966.29  759.5731114.21  759.5731753.87   699.931789.85   699.933441.98  779.56
 34523.6  771.2334728.31  769.6935093.12  789.65 35136.1  789.6635453.93  779.76
35797.75  789.7735961.66   789.836764.43     79037485.87  790.0337849.68     800

Manning's n Values        num=       3
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```
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514719.96     .1515136.58     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14719.9615136.58                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.12    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1475102.00   79448.88   1622888.00
  E.G. Slope (ft/ft)      0.000097    Area (sq ft)            1475102.00   79448.88   1622888.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3285744.00   255056.90   3189199.00
  Top Width (ft)          31791.02    Top Width (ft)          13473.63     416.62   17900.77
  Vel Total (ft/s)            2.12    Avg. Vel. (ft/s)            2.23       3.21       1.97
  Max Chl Dpth (ft)         191.86    Hydr. Depth (ft)          109.48     190.70      90.66
  Conv. Total (cfs)       684269000.0    Conv. (cfs)            334076200.0   25932770.0   324260000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13494.06     420.05   17915.84
  Min Ch El (ft)            568.19    Shear (lb/sq ft)            0.66       1.14       0.55
  Alpha                       1.03    Stream Power (lb/ft s)      1.47       3.67       1.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    188783.40   27141.71   221081.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1742.51     134.18    2161.64


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276869.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  169.58  794.54  551.72  782.26 1162.36  762.76 1316.01  757.81
 1561.41  749.96 1705.33  749.94 2006.27  749.94 2293.55  749.92 3065.13  713.06
 3126.83  710.09 3205.25  710.06 3214.97  710.06 3388.24  719.97 3542.81  719.94
 3665.67  719.91 3797.57  716.79 4120.01  709.16 4512.98  699.91 4805.43  699.89
 4931.27  698.54 5068.21  697.02 5127.12  696.34 5439.21  693.02 5739.87  689.86
 5861.16  689.88 6050.64  689.76 6193.95   689.7 6255.25  689.64 6297.44  689.64
 6426.93  689.68 6614.22  699.68 6668.44  695.55  6779.9  687.09 7092.78  663.21
 7134.03   660.1 7267.14   643.6 7519.51  612.06 7531.64  610.53 7680.33  608.87
 7799.75  607.63 8018.69  605.47 8169.16  603.91  8326.8  602.15 8487.12  600.45
 8611.31  580.54 8626.14  580.54 8703.37  580.42 8848.27  580.24 8897.63  580.24
 8933.81  580.29 9042.98  610.28 9135.67  610.42 9469.64  610.37 9605.85  600.41
 9653.92  590.46 9837.21  590.4310054.54  610.2810313.16  610.2410860.11  610.18
12119.73  610.1812327.05  600.24   12860  600.2413270.01   600.313321.76  600.36
13574.98  600.3213580.99  590.3813672.86  589.56 14240.5  584.3814723.76  580.12
14729.39  578.3514749.23  572.3314754.35  570.72 14762.4  568.1915097.87  568.19
15120.35   574.2 15141.9  580.1215233.84  609.9915253.54  612.9315500.68  649.78
15956.87  654.8216408.11  659.7518597.13   659.718716.58   659.7 18954.5  659.71
19317.27  649.7820339.81  649.8220606.63  649.8822343.73  649.9422740.12  649.97
23178.79  653.2423853.09  658.3424085.27  660.0625240.55  660.0625899.13  650.12
26182.99  650.1226778.03  650.0627024.42  650.0327202.26  651.5827347.39  652.82
27501.45  654.1927806.22  656.9728139.72  659.9529278.01  689.8329966.57  689.86
30969.94  759.4831117.85  759.4931757.45  699.8831793.42  699.8833445.38  779.47
34526.89  771.1634731.57  769.6235096.34  789.5835139.32  789.5935457.12  779.71
 35800.9  789.7335964.79  789.7636767.48     79037488.84  790.0437852.61     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514723.76     .15 15141.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14723.76 15141.9                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.12    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1475211.00   79732.11   1623102.00
  E.G. Slope (ft/ft)      0.000097    Area (sq ft)            1475211.00   79732.11   1623102.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3284839.00   255917.70   3189243.00
  Top Width (ft)          31795.80    Top Width (ft)          13477.27     418.14   17900.39
  Vel Total (ft/s)            2.12    Avg. Vel. (ft/s)            2.23       3.21       1.96
  Max Chl Dpth (ft)         191.86    Hydr. Depth (ft)          109.46     190.68      90.67
  Conv. Total (cfs)       684420000.0    Conv. (cfs)            334057900.0   26026030.0   324336100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13497.66     421.53   17915.45
  Min Ch El (ft)            568.19    Shear (lb/sq ft)            0.66       1.14       0.55
  Alpha                       1.03    Stream Power (lb/ft s)      1.47       3.66       1.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    188614.10   27132.58   220894.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1740.97     134.13    2159.59


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276866.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  169.62  794.54  551.87  782.25 1162.66  762.76 1316.35   757.8
 1561.82  749.96 1705.76  749.93 2006.78  749.93 2294.14  749.91 3065.92  713.08
 3127.64  710.11 3206.07  710.07  3215.8  710.07 3389.11  719.96 3543.72  719.93
 3666.61   719.9 3798.55  716.77 4121.07  709.14 4514.14   699.9 4806.67  699.87
 4932.54  698.52 5069.51     697 5128.44   696.3 5440.61  692.99 5741.35  689.84
 5862.67  689.86  6052.2  689.72 6195.54  689.65 6256.86  689.58 6299.07  689.58
 6428.59  689.63 6615.93  699.63 6670.16  695.51 6781.65  687.06 7094.61  663.22
 7135.86  660.12 7269.01  643.66 7521.45  612.14 7533.58  610.62 7682.31  608.94
 7801.76   607.7 8020.76  605.57 8171.27     604 8328.94  602.23  8489.3  600.52
 8613.53  580.63 8628.37  580.63 8705.61  580.49 8850.55  580.28 8899.92  580.28
 8936.11  580.34 9045.31  610.33 9138.03  610.49 9472.08  610.43 9608.32  600.48
 9656.41  590.54 9839.74   590.510057.13  610.3310315.82  610.28 10862.9  610.21
12122.86  610.2112330.23  600.2812863.31  600.2813273.43  600.3513325.19  600.42
13578.48  600.3713584.49  590.4413676.38  589.6214244.17  584.4114727.55  580.14
14733.32  578.3614753.64  572.3514758.89  570.7214767.14  568.1915102.85  568.19
 15125.5  574.1915147.22  580.1415239.15  609.9915258.85  612.9315505.96  649.74
 15962.1  654.7816413.29  659.7118602.08  659.6518721.52  659.6518959.42  659.66
19322.15  649.7520344.58  649.7920611.37  649.8622348.29  649.9322744.64  649.96
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23183.26  653.2423857.49  658.3624089.65  660.07 25244.8  660.0725903.32  650.14
26187.15  650.1426782.12  650.0727028.49  650.0327206.31  651.5827351.42  652.81
27505.47  654.1827810.21  656.9628143.68  659.9529281.84   689.829970.33  689.83
 30973.6  759.3931121.49   759.431761.02  699.8631796.99  699.8633448.78  779.38
34530.17  771.0934734.84  769.5635099.57  789.5135142.54  789.52 35460.3  779.67
35804.05  789.6835967.93  789.7236770.53     79037491.81  790.0537855.55     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514727.55     .1515147.22     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14727.5515147.22                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.12    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1475299.00   80017.20   1623329.00
  E.G. Slope (ft/ft)      0.000097    Area (sq ft)            1475299.00   80017.20   1623329.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3283873.00   256785.10   3189342.00
  Top Width (ft)          31800.58    Top Width (ft)          13480.89     419.67   17900.02
  Vel Total (ft/s)            2.12    Avg. Vel. (ft/s)            2.23       3.21       1.96
  Max Chl Dpth (ft)         191.86    Hydr. Depth (ft)          109.44     190.67      90.69
  Conv. Total (cfs)       684568100.0    Conv. (cfs)            334031900.0   26119890.0   324416400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13501.25     423.02   17915.05
  Min Ch El (ft)            568.19    Shear (lb/sq ft)            0.66       1.14       0.55
  Alpha                       1.04    Stream Power (lb/ft s)      1.47       3.66       1.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    188444.80   27123.41   220708.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1739.42     134.08    2157.53


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276863.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  169.66  794.53  552.01  782.23 1162.96  762.76 1316.69   757.8
 1562.22  749.95  1706.2  749.92  2007.3  749.92 2294.73   749.9 3066.71   713.1
 3128.44  710.12  3206.9  710.08 3216.63  710.08 3389.98  719.96 3544.64  719.92
 3667.55  719.88 3799.53  716.75 4122.13  709.12  4515.3  699.88  4807.9  699.85
 4933.81   698.5 5070.82  696.97 5129.76  696.26 5442.01  692.95 5742.83  689.82
 5864.18  689.84 6053.76  689.68 6197.14   689.6 6258.47  689.52 6300.69  689.52
 6430.25  689.58 6617.63  699.58 6671.88  695.46  6783.4  687.03 7096.44  663.23
  7137.7  660.14 7270.88  643.72 7523.39  612.23 7535.52  610.71 7684.29  609.02
 7803.77  607.78 8022.82  605.66 8173.37   604.1 8331.09   602.3 8491.49   600.6
 8615.75  580.72 8630.59  580.72 8707.85  580.56 8852.83  580.32 8902.21  580.32
 8938.41  580.39 9047.64  610.37 9140.38  610.56 9474.52  610.49  9610.8  600.54
  9658.9  590.61 9842.27  590.5810059.72  610.3710318.47  610.32 10865.7  610.24
12125.98  610.24 12333.4  600.3212866.63  600.3213276.85   600.413328.62  600.48
13581.98  600.4213587.99   590.5 13679.9  589.6814247.84  584.4314731.34  580.16
14737.25  578.3714758.06  572.3614763.42  570.7314771.87  568.1915107.83  568.19
15130.66  574.1915152.54  580.1615244.46  609.9915264.15  612.9315511.24  649.71
15967.33  654.7516418.47  659.6718607.04   659.618726.46   659.618964.34  659.61
19327.03  649.7120349.35  649.7620616.12  649.8422352.85  649.9222749.16  649.96
23187.74  653.2423861.89  658.3724094.03  660.0825249.06  660.0825907.51  650.16
26191.31  650.1626786.22  650.0827032.57  650.0327210.36  651.5827355.46  652.79
27509.49  654.16 27814.2  656.9528147.63  659.9429285.67  689.77 29974.1  689.81
30977.26  759.3131125.13  759.3231764.59  699.8431800.56  699.8433452.18   779.3
34533.45  771.02 34738.1   769.535102.79  789.4435145.76  789.4535463.49  779.62
 35807.2  789.6335971.06  789.6836773.58     79037494.79  790.0537858.48     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514731.34     .1515152.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14731.3415152.54                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.12    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1475400.00   80302.31   1623543.00
  E.G. Slope (ft/ft)      0.000097    Area (sq ft)            1475400.00   80302.31   1623543.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3282959.00   257649.00   3189392.00
  Top Width (ft)          31805.03    Top Width (ft)          13484.34     421.20   17899.49
  Vel Total (ft/s)            2.12    Avg. Vel. (ft/s)            2.23       3.21       1.96
  Max Chl Dpth (ft)         191.86    Hydr. Depth (ft)          109.42     190.65      90.70
  Conv. Total (cfs)       684721800.0    Conv. (cfs)            334013900.0   26213660.0   324494200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13504.67     424.51   17914.50
  Min Ch El (ft)            568.19    Shear (lb/sq ft)            0.66       1.14       0.55
  Alpha                       1.04    Stream Power (lb/ft s)      1.47       3.66       1.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    188275.40   27114.21   220522.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1737.87     134.03    2155.48


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276860.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  169.71  794.53  552.15  782.22 1163.26  762.75 1317.03  757.79
 1562.62  749.94 1706.64  749.91 2007.82  749.91 2295.32  749.89  3067.5  713.12
 3129.25  710.14 3207.72  710.09 3217.45  710.09 3390.86  719.95 3545.55  719.91
  3668.5  719.87 3800.51  716.73 4123.19   709.1 4516.46  699.87 4809.14  699.83
 4935.08  698.49 5072.12  696.94 5131.08  696.23 5443.41  692.92 5744.31  689.79
 5865.69  689.82 6055.32  689.64 6198.73  689.55 6260.08  689.46 6302.31  689.46
  6431.9  689.52 6619.33  699.52  6673.6  695.42 6785.14  687.01 7098.27  663.24
 7139.54  660.15 7272.75  643.77 7525.33  612.32 7537.46   610.8 7686.27  609.09
 7805.78  607.85 8024.89  605.76 8175.48   604.2 8333.23  602.38 8493.68  600.67
 8617.96  580.81 8632.81  580.81  8710.1  580.63 8855.11  580.36  8904.5  580.36
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 8940.71  580.44 9049.97  610.42 9142.73  610.63 9476.96  610.55 9613.27  600.61
 9661.38  590.69 9844.81  590.6510062.31  610.4210321.13  610.36 10868.5  610.27
 12129.1  610.2712336.58  600.3612869.94  600.3613280.27  600.4513332.06  600.54
13585.47  600.4813591.49  590.5613683.42  589.7414251.51  584.4614735.14  580.18
14741.18  578.3914762.47  572.3814767.96  570.7414776.61  568.1915112.81  568.19
15135.81  574.1915157.85  580.1815249.77  609.9815269.46  612.9315516.51  649.67
15972.56  654.7116423.66  659.6218611.99  659.5518731.41  659.5518969.25  659.56
19331.91  649.6720354.13  649.7320620.86  649.8222357.41  649.9122753.68  649.95
23192.21  653.23 23866.3  658.3824098.41  660.0925253.32  660.09 25911.7  650.18
26195.47  650.1826790.32  650.0927036.64  650.0427214.41  651.58 27359.5  652.78
27513.51  654.1527818.19  656.9528151.58  659.9329289.51  689.7429977.86  689.78
30980.91  759.2231128.77  759.2331768.17  699.8131804.13  699.8233455.57  779.21
34536.74  770.9534741.36  769.4335106.02  789.3735148.98  789.3835466.68  779.57
35810.35  789.5935974.19  789.6436776.62     79037497.76  790.0637861.41     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514735.14     .1515157.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14735.1415157.85                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.12    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1475492.00   80583.35   1623806.00
  E.G. Slope (ft/ft)      0.000097    Area (sq ft)            1475492.00   80583.35   1623806.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3281936.00   258496.90   3189567.00
  Top Width (ft)          31809.95    Top Width (ft)          13488.12     422.71   17899.12
  Vel Total (ft/s)            2.12    Avg. Vel. (ft/s)            2.22       3.21       1.96
  Max Chl Dpth (ft)         191.86    Hydr. Depth (ft)          109.39     190.64      90.72
  Conv. Total (cfs)       684879200.0    Conv. (cfs)             333986600.0   26305970.0   324586700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13508.40     425.98   17914.11
  Min Ch El (ft)            568.19    Shear (lb/sq ft)            0.66       1.14       0.55
  Alpha                       1.04    Stream Power (lb/ft s)      1.46       3.66       1.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    188106.10   27104.97   220335.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1736.32     133.98    2153.42


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276857.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  169.75  794.52  552.29  782.21 1163.56  762.75 1317.37  757.78
 1563.02  749.94 1707.08   749.9 2008.33   749.9 2295.91  749.87 3068.29  713.13
 3130.06  710.16 3208.55   710.1 3218.28   710.1 3391.73  719.95 3546.46   719.9
 3669.44  719.85 3801.49  716.72 4124.25  709.08 4517.63  699.85 4810.38  699.82
 4936.35  698.47 5073.43  696.92 5132.41  696.19 5444.81  692.89 5745.79  689.77
  5867.2   689.8 6056.88   689.6 6200.33   689.5 6261.69   689.4 6303.93   689.4
 6433.56  689.47 6621.04  699.47 6675.32  695.37 6786.89  686.98 7100.09  663.24
 7141.38  660.17 7274.63  643.83 7527.26  612.41  7539.4  610.88 7688.25  609.16
 7807.79  607.92 8026.96  605.85 8177.58  604.29 8335.38  602.46 8495.86  600.75
 8620.18   580.9 8635.03   580.9 8712.34   580.7 8857.38   580.4  8906.8   580.4
 8943.01  580.49  9052.3  610.47 9145.09   610.7 9479.39  610.61 9615.75  600.68
 9663.87  590.77 9847.34  590.72 10064.9  610.4710323.79   610.4 10871.3   610.3
12132.22   610.312339.76   600.412873.25   600.413283.69   600.513335.49   600.6
13588.97  600.5313594.99  590.6313686.95   589.814255.18  584.4914738.93   580.2
14745.11   578.414766.88   572.4 14772.5  570.7514781.34  568.1915117.79  568.19
15140.96  574.1815163.17   580.215255.07  609.9815274.76  612.9215521.79  649.64
15977.79  654.6816428.84  659.5818616.95   659.518736.35   659.518974.17  659.51
19336.79  649.64 20358.9   649.7 20625.6   649.822361.98   649.9 22758.2  649.95
23196.69  653.23 23870.7  658.3924102.79   660.125257.58   660.125915.89   650.2
26199.63   650.226794.41   650.127040.71  650.0427218.46  651.5827363.54  652.77
27517.53  654.1327822.18  656.9428155.54  659.9229293.34  689.7129981.62  689.76
30984.57  759.1431132.41  759.1531771.74  699.7931807.71   699.833458.97  779.12
34540.02  770.8834744.62  769.3735109.24   789.3 35152.2  789.3135469.86  779.52
 35813.5  789.5435977.32   789.636779.68     79037500.73  790.0737864.35     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514738.93     .1515163.17     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14738.9315163.17                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.12    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1475589.00   80868.46   1624018.00
  E.G. Slope (ft/ft)      0.000097    Area (sq ft)            1475589.00   80868.46   1624018.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3281016.00   259361.40   3189623.00
  Top Width (ft)          31814.73    Top Width (ft)          13491.74     424.24   17898.76
  Vel Total (ft/s)            2.12    Avg. Vel. (ft/s)            2.22       3.21       1.96
  Max Chl Dpth (ft)         191.86    Hydr. Depth (ft)          109.37     190.62      90.73
  Conv. Total (cfs)       685025900.0    Conv. (cfs)             333964400.0   26399590.0   324661900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13511.98     427.47   17913.72
  Min Ch El (ft)            568.19    Shear (lb/sq ft)            0.66       1.14       0.55
  Alpha                       1.04    Stream Power (lb/ft s)      1.46       3.66       1.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    187936.70   27095.71   220149.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1734.78     133.93    2151.37


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276854.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   169.8  794.52  552.43   782.2 1163.86  762.75 1317.71  757.77
 1563.42  749.93 1707.52  749.89 2008.85  749.89  2296.5  749.86 3069.08  713.15
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 3130.86  710.17 3209.38  710.11 3219.11  710.11  3392.6  719.94 3547.37  719.89
 3670.39  719.84 3802.47   716.7 4125.32  709.06 4518.79  699.84 4811.62   699.8
 4937.62  698.45 5074.74  696.89 5133.73  696.16 5446.21  692.85 5747.27  689.75
 5868.71  689.78 6058.44  689.56 6201.92  689.45 6263.31  689.34 6305.56  689.34
 6435.21  689.42 6622.74  699.42 6677.03  695.32 6788.64  686.95 7101.92  663.25
 7143.22  660.19  7276.5  643.89  7529.2   612.5 7541.34  610.97 7690.23  609.23
  7809.8  607.99 8029.02  605.95 8179.68  604.39 8337.52  602.54 8498.05  600.82
  8622.4     581 8637.26  580.99 8714.58  580.77 8859.66  580.44 8909.09  580.44
 8945.32  580.54 9054.62  610.51 9147.44  610.77 9481.83  610.68 9618.22  600.75
 9666.36  590.84 9849.88  590.7910067.49  610.5110326.44  610.4410874.09  610.33
12135.34  610.3312342.93  600.4412876.57  600.44 13287.1  600.5513338.92  600.66
13592.47  600.5813598.48  590.6913690.47  589.8614258.85  584.5114742.72  580.22
14749.04  578.41 14771.3  572.4214777.04  570.7614786.07  568.1915122.77  568.19
15146.11  574.1815168.49  580.2215260.38  609.9815280.07  612.9215527.07   649.6
15983.02  654.6416434.03  659.54 18621.9  659.4518741.29  659.4518979.09  659.47
19341.67   649.620363.67  649.6720630.35  649.7822366.54  649.8922762.72  649.94
23201.16  653.2323875.11   658.424107.17  660.1125261.84  660.1125920.08  650.22
26203.79  650.2226798.51  650.1127044.78  650.0527222.52  651.5827367.57  652.75
27521.55  654.1227826.17  656.9328159.49  659.9229297.18  689.6829985.38  689.74
30988.23  759.0531136.05  759.0631775.32  699.7731811.28  699.7833462.37  779.03
 34543.3   770.834747.89  769.3135112.46  789.2335155.41  789.2435473.05  779.48
35816.65   789.535980.46  789.5636782.72     790 37503.7  790.0737867.29     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514742.72     .1515168.49     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14742.7215168.49                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.12    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1475687.00   81153.29   1624243.00
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            1475687.00   81153.29   1624243.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3280074.00   260221.90   3189705.00
  Top Width (ft)          31819.52    Top Width (ft)          13495.36     425.77   17898.39
  Vel Total (ft/s)            2.12    Avg. Vel. (ft/s)            2.22       3.21       1.96
  Max Chl Dpth (ft)         191.86    Hydr. Depth (ft)          109.35     190.60      90.75
  Conv. Total (cfs)       685176600.0    Conv. (cfs)             333942000.0   26493010.0   324741600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13515.58     428.97   17913.33
  Min Ch El (ft)            568.19    Shear (lb/sq ft)            0.66       1.14       0.55
  Alpha                       1.04    Stream Power (lb/ft s)      1.46       3.65       1.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    187767.30   27086.41   219962.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1733.23     133.89    2149.31


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276852.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  169.84  794.51  552.58  782.18 1164.16  762.75 1318.05  757.76
 1563.83  749.92 1707.96  749.88 2009.37  749.88 2297.09  749.85 3069.87  713.17
 3131.67  710.19  3210.2  710.12 3219.94  710.12 3393.47  719.93 3548.29  719.88
 3671.33  719.82 3803.44  716.68 4126.38  709.04 4519.95  699.82 4812.85  699.78
 4938.89  698.43 5076.04  696.86 5135.05  696.12 5447.62  692.82 5748.74  689.73
 5870.22  689.76 6059.99  689.52 6203.52   689.4 6264.92  689.28 6307.18  689.28
 6436.87  689.36 6624.45  699.36 6678.75  695.28 6790.38  686.92 7103.75  663.26
 7145.05  660.21 7278.37  643.94 7531.14  612.59 7543.28  611.06 7692.21   609.3
 7811.81  608.07 8031.09  606.04 8181.79  604.49 8339.67  602.62 8500.24   600.9
 8624.62  581.09 8639.48  581.08 8716.82  580.84 8861.94  580.48 8911.38  580.48
 8947.62  580.59 9056.96  610.56 9149.79  610.84 9484.27  610.74  9620.7  600.82
 9668.84  590.92 9852.41  590.8710070.08  610.56 10329.1  610.4810876.89  610.36
12138.47  610.3612346.11  600.4812879.88  600.4813290.52   600.613342.35  600.72
13595.96  600.6313601.98  590.7513693.99  589.9314262.51  584.5414746.52  580.24
14752.97  578.4214775.71  572.4414781.58  570.7714790.81  568.1915127.75  568.19
15151.26  574.17 15173.8  580.2415265.69  609.9815285.37  612.9215532.35  649.56
15988.26  654.6116439.21   659.518626.85   659.418746.23   659.418984.01  659.42
19346.55  649.5620368.44  649.6420635.09  649.76 22371.1  649.8822767.24  649.94
23205.63  653.2223879.51  658.4124111.55  660.1225266.09  660.1225924.27  650.24
26207.95  650.2426802.61  650.1227048.85  650.0527226.57  651.5827371.61  652.74
27525.57  654.1127830.16  656.9328163.45  659.9129301.01  689.6529989.14  689.71
30991.88  758.96 31139.7  758.9831778.89  699.7531814.85  699.7633465.77  778.94
34546.59  770.7334751.15  769.2535115.69  789.1635158.64  789.1835476.23  779.43
 35819.8  789.4535983.59  789.5236785.77     79037506.68  790.0837870.22     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514746.52     .15 15173.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14746.52 15173.8                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.12    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1475779.00   81434.62   1624479.00
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            1475779.00   81434.62   1624479.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3279111.00   261070.80   3189818.00
  Top Width (ft)          31824.31    Top Width (ft)          13498.99     427.28   17898.04
  Vel Total (ft/s)            2.12    Avg. Vel. (ft/s)            2.22       3.21       1.96
  Max Chl Dpth (ft)         191.86    Hydr. Depth (ft)          109.33     190.59      90.76
  Conv. Total (cfs)       685327600.0    Conv. (cfs)             333917600.0   26585290.0   324824700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13519.17     430.44   17912.96
  Min Ch El (ft)            568.19    Shear (lb/sq ft)            0.66       1.14       0.55
  Alpha                       1.04    Stream Power (lb/ft s)      1.46       3.65       1.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    187597.90   27077.08   219776.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1731.68     133.84    2147.26


CROSS SECTION


RIVER: BRAZOS
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REACH: UPPER BRAZOS       RS: 276849.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  169.88  794.51  552.72  782.17 1164.46  762.74 1318.39  757.76
 1564.23  749.92  1708.4  749.87 2009.88  749.87 2297.68  749.83 3070.65  713.18
 3132.47   710.2 3211.03  710.13 3220.77  710.13 3394.35  719.93  3549.2  719.87
 3672.28  719.81 3804.42  716.67 4127.44  709.03 4521.11  699.81 4814.09  699.76
 4940.17  698.41 5077.35  696.83 5136.37  696.08 5449.02  692.79 5750.22   689.7
 5871.73  689.74 6061.55  689.48 6205.12  689.35 6266.53  689.22  6308.8  689.22
 6438.52  689.31 6626.15  699.31 6680.47  695.23 6792.13   686.9 7105.58  663.26
 7146.89  660.22 7280.24     644 7533.07  612.68 7545.22  611.15 7694.18  609.37
 7813.82  608.14 8033.15  606.14 8183.89  604.58 8341.81   602.7 8502.42  600.97
 8626.84  581.18  8641.7  581.17 8719.06  580.91 8864.22  580.52 8913.67  580.52
 8949.92  580.64 9059.28  610.61 9152.15  610.91 9486.71   610.8 9623.17  600.88
 9671.33     591 9854.94  590.9410072.67  610.6110331.76  610.5210879.69  610.39
12141.59  610.3912349.28  600.5212883.19  600.5213293.94  600.6513345.78  600.78
13599.46  600.6913605.48  590.8113697.51  589.9914266.18  584.5614750.31  580.26
 14756.9  578.4314780.12  572.4514786.11  570.7814795.54  568.1915132.73  568.19
15156.41  574.1715179.12  580.26   15271  609.9815290.68  612.9115537.63  649.53
15993.49  654.5716444.39  659.4618631.81  659.3518751.17  659.3518988.92  659.37
19351.43  649.5320373.21  649.6120639.83  649.7422375.66  649.8722771.76  649.93
23210.11  653.2223883.91  658.4324115.93  660.1325270.35  660.1325928.45  650.26
26212.11  650.2626806.71  650.1327052.92  650.0527230.62  651.5727375.64  652.73
27529.59  654.0927834.14  656.92 28167.4   659.929304.85  689.6229992.91  689.69
30995.54  758.8831143.34  758.8931782.46  699.7331818.42  699.7433469.16  778.86
34549.88  770.6634754.41  769.1835118.91  789.0935161.86  789.1135479.42  779.38
35822.95  789.4135986.73  789.4836788.82     79037509.65  790.0937873.16     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514750.31     .1515179.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14750.3115179.12                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.12    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1475875.00   81719.58   1624696.00
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            1475875.00   81719.58   1624696.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3278175.00   261930.60   3189895.00
  Top Width (ft)          31828.91    Top Width (ft)          13502.58     428.81   17897.51
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.22       3.21       1.96
  Max Chl Dpth (ft)         191.86    Hydr. Depth (ft)          109.30     190.57      90.78
  Conv. Total (cfs)       685477600.0    Conv. (cfs)            333895300.0   26678690.0   324903600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13522.73     431.94   17912.41
  Min Ch El (ft)            568.19    Shear (lb/sq ft)            0.66       1.14       0.55
  Alpha                       1.04    Stream Power (lb/ft s)      1.46       3.65       1.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   187428.50   27067.71   219589.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1730.13     133.79    2145.21


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276846.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  169.93  794.51  552.86  782.16 1164.76  762.74 1318.73  757.75
 1564.63  749.91 1708.84  749.86  2010.4  749.86 2298.27  749.82 3071.44   713.2
 3133.28  710.22 3211.85  710.14 3221.59  710.14 3395.22  719.92 3550.11  719.86
 3673.22  719.79  3805.4  716.65  4128.5  709.01 4522.28  699.79 4815.33  699.74
 4941.44  698.39 5078.65  696.81 5137.69  696.05 5450.42  692.75  5751.7  689.68
 5873.24  689.72 6063.11  689.44 6206.71   689.3 6268.14  689.16 6310.42  689.16
 6440.18  689.26 6627.85  699.26 6682.19  695.19 6793.88  686.87  7107.4  663.27
 7148.73  660.24 7282.12  644.06 7535.01  612.76 7547.16  611.24 7696.16  609.45
 7815.83  608.21 8035.22  606.23    8186  604.68 8343.96  602.77 8504.61  601.05
 8629.06  581.27 8643.92  581.26 8721.31  580.98  8866.5  580.56 8915.96  580.56
 8952.22  580.69 9061.61  610.65  9154.5  610.98 9489.15  610.86 9625.64  600.95
 9673.82  591.08 9857.48  591.0110075.26  610.6510334.41  610.5610882.49  610.42
12144.71  610.4212352.46  600.56 12886.5  600.5613297.36   600.713349.22  600.84
13602.96  600.7413608.98  590.8813701.04  590.0514269.85  584.59 14754.1  580.28
14760.83  578.4414784.54  572.4714790.65  570.7914800.28  568.1815137.71  568.18
15161.56  574.1715184.44  580.28 15276.3  609.9815295.98  612.9115542.91  649.49
15998.72  654.5416449.58  659.4218636.76   659.318756.12   659.318993.84  659.32
19356.31  649.4920377.98  649.5820644.58  649.7222380.22  649.8622776.28  649.93
23214.58  653.2223888.31  658.4424120.31  660.1425274.61  660.1425932.64  650.28
26216.26  650.28 26810.8  650.1427056.99  650.0627234.67  651.5727379.68  652.72
27533.61  654.0827838.13  656.9128171.35  659.8929308.68  689.5929996.67  689.67
 30999.2  758.7931146.98   758.831786.04  699.7131821.99  699.7233472.56  778.77
34553.16  770.5934757.67  769.1235122.14  789.0235165.07  789.0435482.61  779.33
 35826.1  789.3635989.86  789.4436791.87     79037512.62  790.0937876.09     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 14754.1     .1515184.44     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       14754.115184.44                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.12    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1475972.00   82007.86   1624921.00
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            1475972.00   82007.86   1624921.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3277228.00   262804.40   3189967.00
  Top Width (ft)          31833.70    Top Width (ft)          13506.20     430.34   17897.15
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.22       3.20       1.96
  Max Chl Dpth (ft)         191.87    Hydr. Depth (ft)          109.28     190.56      90.79
  Conv. Total (cfs)       685630000.0    Conv. (cfs)            333873100.0   26773640.0   324983300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13526.30     433.44   17912.03
  Min Ch El (ft)            568.18    Shear (lb/sq ft)            0.66       1.14       0.55
  Alpha                       1.04    Stream Power (lb/ft s)      1.46       3.65       1.07
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  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    187259.10   27058.32   219403.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1728.58     133.74    2143.15


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276843.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  169.97   794.5     553  782.15 1165.06  762.74 1319.07  757.74
 1565.03  749.91 1709.28  749.85 2010.92  749.85 2298.86  749.81 3072.23  713.22
 3134.08  710.23 3212.68  710.15 3222.42  710.15 3396.09  719.92 3551.02  719.85
 3674.16  719.78 3806.38  716.63 4129.56  708.99 4523.44  699.78 4816.57  699.72
 4942.71  698.37 5079.96  696.78 5139.01  696.01 5451.82  692.72 5753.18  689.66
 5874.75   689.7 6064.67   689.4 6208.31  689.25 6269.75   689.1 6312.04   689.1
 6441.83   689.2 6629.56  699.21  6683.9  695.14 6795.62  686.84 7109.23  663.28
 7150.57  660.26 7283.99  644.11 7536.95  612.85  7549.1  611.33 7698.14  609.52
 7817.84  608.29 8037.28  606.33  8188.1  604.78  8346.1  602.85  8506.8  601.12
 8631.28  581.36 8646.14  581.35 8723.55  581.05 8868.78   580.6 8918.26   580.6
 8954.52  580.74 9063.94   610.7 9156.85  611.05 9491.59  610.92 9628.12  601.02
  9676.3  591.15 9860.01  591.0810077.85   610.710337.07   610.610885.28  610.45
12147.83  610.4512355.63   600.612889.82   600.613300.78  600.7513352.65   600.9
13606.46  600.7913612.48  590.9413704.56  590.1114273.52  584.6214757.89   580.3
14764.76  578.4614788.95  572.4914795.19   570.814805.01  568.1815142.68  568.18
15166.72  574.1615189.75   580.315281.61  609.9715301.29  612.9115548.19  649.45
16003.95   654.516454.76  659.3718641.72  659.2518761.06  659.2518998.76  659.27
19361.19  649.4620382.76  649.5520649.32   649.722384.78   649.85 22780.8  649.92
23219.06  653.2123892.72  658.4524124.69  660.1525278.87  660.1525936.83   650.3
26220.42   650.3 26814.9  650.1527061.06  650.0627238.72  651.5727383.72   652.7
27537.63  654.0627842.12   656.928175.31  659.8929312.52  689.5630000.43  689.64
31002.85   758.731150.62  758.7231789.62  699.6931825.56  699.6933475.96  778.68
34556.44  770.5234760.93  769.0635125.36  788.9535168.29  788.9735485.79  779.29
35829.25  789.3135992.99   789.436794.92     790 37515.6   790.137879.02     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514757.89     .1515189.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14757.8915189.75                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.12    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1476060.00   82290.76   1625181.00
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            1476060.00   82290.76   1625181.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3276222.00   263653.00   3190125.00
  Top Width (ft)          31838.54    Top Width (ft)          13509.82     431.86   17896.86
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.22       3.20       1.96
  Max Chl Dpth (ft)         191.87    Hydr. Depth (ft)          109.26     190.55      90.81
  Conv. Total (cfs)       685787100.0    Conv. (cfs)            333847100.0   26866250.0   325073800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13529.89     434.93   17911.71
  Min Ch El (ft)            568.18    Shear (lb/sq ft)            0.66       1.14       0.55
  Alpha                       1.04    Stream Power (lb/ft s)      1.46       3.64       1.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    187089.70   27048.89   219216.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1727.03     133.69    2141.10


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276840.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  170.01   794.5  553.14  782.14 1165.35  762.73  1319.4  757.73
 1565.44   749.9 1709.72  749.84 2011.43  749.84 2299.45   749.8 3073.02  713.23
 3134.89  710.25  3213.5  710.16 3223.25  710.16 3396.97  719.91 3551.94  719.84
 3675.11  719.76 3807.36  716.62 4130.62  708.97  4524.6  699.76 4817.81   699.7
 4943.98  698.35 5081.26  696.75 5140.33  695.97 5453.22  692.69 5754.66  689.63
 5876.26  689.68 6066.23  689.36  6209.9   689.2 6271.36  689.04 6313.67  689.04
 6443.49  689.15 6631.26  699.15 6685.62  695.09 6797.37  686.81 7111.06  663.28
  7152.4  660.27 7285.86  644.17 7538.89  612.94 7551.04  611.42 7700.12  609.59
 7819.85  608.36 8039.35  606.42 8190.21  604.87 8348.25  602.93 8508.98  601.19
 8633.49  581.45 8648.37  581.44 8725.79  581.12 8871.06  580.64 8920.55  580.64
 8956.82  580.79 9066.27  610.75 9159.21  611.12 9494.03  610.98 9630.59  601.09
 9678.79  591.23 9862.55  591.1510080.44  610.7510339.73  610.6410888.08  610.48
12150.96  610.4812358.81  600.6412893.13  600.64 13304.2   600.813356.08  600.96
13609.95  600.8413615.98     59113708.08  590.1714277.19  584.6414761.69  580.32
14768.69  578.4714793.36  572.5114799.73  570.8114809.74  568.1815147.66  568.18
15171.87  574.1615195.07  580.3215286.92  609.9715306.59  612.9115553.47  649.42
16009.18  654.4716459.95  659.3318646.67   659.2   18766   659.219003.67  659.22
19366.06  649.4220387.53  649.5220654.07  649.6822389.35  649.8422785.32  649.92
23223.53  653.2123897.12  658.4624129.06  660.1625283.12  660.1625941.02  650.32
26224.58  650.3226818.99  650.1627065.13  650.0727242.78  651.5727387.76  652.69
27541.65  654.0527846.11   656.928179.26  659.8829316.35  689.5430004.19  689.62
31006.51  758.6231154.26  758.6331793.19  699.6731829.13  699.6733479.36  778.59
34559.73  770.45 34764.2  768.9935128.59  788.8835171.51   788.935488.98  779.24
 35832.4  789.2735996.12  789.3636797.97     79037518.57  790.1137881.96     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514761.69     .1515195.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14761.6915195.07                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.12    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.04    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1476171.00   82573.54   1625384.00
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            1476171.00   82573.54   1625384.00
```

```
  Q Total (cfs)           6730000.00    Flow (cfs)              3275336.00   264504.60   3190160.00
  Top Width (ft)          31843.49    Top Width (ft)          13513.61     433.38   17896.50
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.22       3.20       1.96
  Max Chl Dpth (ft)         191.86    Hydr. Depth (ft)          109.24     190.53      90.82
  Conv. Total (cfs)       685932500.0    Conv. (cfs)             333827500.0   26958740.0   325146300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13533.63     436.42   17911.33
  Min Ch El (ft)            568.18    Shear (lb/sq ft)            0.66       1.14       0.55
  Alpha                       1.04    Stream Power (lb/ft s)      1.45       3.64       1.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    186920.30   27039.43   219030.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1725.48     133.64    2139.04


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276837.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  170.06  794.49  553.29  782.12 1165.65  762.73 1319.74  757.72
 1565.84  749.89 1710.16  749.83 2011.95  749.83 2300.04  749.78 3073.81  713.25
 3135.69  710.27 3214.33  710.17 3224.08  710.17 3397.84  719.91 3552.85  719.83
 3676.05  719.75 3808.33   716.6 4131.68  708.95 4525.76  699.75 4819.04  699.69
 4945.25  698.34 5082.57  696.73 5141.65  695.94 5454.62  692.65 5756.14  689.61
 5877.77  689.66 6067.79  689.32  6211.5  689.15 6272.97  688.98 6315.29  688.98
 6445.15   689.1 6632.97   699.1 6687.34  695.05 6799.12  686.79 7112.88  663.29
 7154.24  660.29 7287.73  644.23 7540.82  613.03 7552.98   611.5  7702.1  609.66
 7821.86  608.43 8041.41  606.52 8192.31  604.97 8350.39  603.01 8511.17  601.27
 8635.71  581.54 8650.59  581.53 8728.03  581.19 8873.34  580.68 8922.84  580.68
 8959.12  580.84  9068.6  610.79 9161.56  611.19 9496.47  611.05 9633.07  601.16
 9681.28  591.31 9865.08  591.2310083.03  610.7910342.38  610.6810890.88  610.51
12154.08  610.5112361.99  600.6812896.44  600.6813307.62  600.8513359.51  601.02
13613.45   600.913619.48  591.06 13711.6  590.2314280.86  584.6714765.48  580.34
14772.62  578.4814797.78  572.5214804.27  570.8214814.48  568.1815152.64  568.18
15177.02  574.1515200.39  580.3415292.22  609.97 15311.9   612.915558.75  649.38
16014.41  654.4316465.13  659.2918651.63  659.1518770.94  659.1519008.59  659.17
19370.94  649.38 20392.3  649.4920658.81  649.6622393.91  649.8322789.84  649.91
   23228  653.2123901.53  658.4724133.44  660.1725287.38  660.1725945.21  650.34
26228.74  650.3426823.09  650.17 27069.2  650.0727246.83  651.5727391.79  652.68
27545.68  654.03 27850.1  656.8928183.21  659.8729320.18  689.5130007.96  689.59
31010.17  758.53 31157.9  758.5531796.76  699.65 31832.7  699.6533482.75   778.5
34563.01  770.3734767.46  768.9335131.81  788.8135174.73  788.8335492.17  779.19
35835.55  789.2235999.26  789.3236801.02     79037521.54  790.1137884.89     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514765.48     .1515200.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14765.4815200.39                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.12    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.04    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1476253.00   82858.40   1625630.00
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            1476253.00   82858.40   1625630.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3274337.00   265360.50   3190302.00
  Top Width (ft)          31848.28    Top Width (ft)          13517.22     434.91   17896.14
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.22       3.20       1.96
  Max Chl Dpth (ft)         191.86    Hydr. Depth (ft)          109.21     190.52      90.84
  Conv. Total (cfs)       686084000.0    Conv. (cfs)             333799500.0   27051950.0   325232600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13537.23     437.92   17910.95
  Min Ch El (ft)            568.18    Shear (lb/sq ft)            0.66       1.14       0.55
  Alpha                       1.04    Stream Power (lb/ft s)      1.45       3.64       1.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    186750.80   27029.93   218843.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1723.93     133.59    2136.99


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276834.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   170.1  794.49  553.43  782.11 1165.95  762.73 1320.08  757.72
 1566.24  749.89  1710.6  749.82 2012.47  749.82 2300.64  749.77  3074.6  713.27
  3136.5  710.28 3215.16  710.18 3224.91  710.17 3398.71   719.9 3553.76  719.82
    3677  719.73 3809.31  716.58 4132.75  708.93 4526.93  699.73 4820.28  699.67
 4946.52  698.32 5083.88   696.7 5142.97   695.9 5456.02  692.62 5757.62  689.59
 5879.28  689.64 6069.35  689.28 6213.09   689.1 6274.59  688.92 6316.91  688.92
  6446.8  689.05 6634.67  699.05 6689.06     695 6800.86  686.76 7114.71   663.3
 7156.08  660.31  7289.6  644.28 7542.76  613.12 7554.92  611.59 7704.08  609.73
 7823.87   608.5 8043.48  606.61 8194.42  605.07 8352.54  603.09 8513.35  601.34
 8637.93  581.63 8652.81  581.62 8730.27  581.26 8875.62  580.72 8925.13  580.72
 8961.43  580.88 9070.93  610.84 9163.91  611.26 9498.91  611.11 9635.54  601.22
 9683.77  591.38 9867.62   591.310085.62  610.8410345.04  610.7210893.68  610.54
 12157.2  610.5412365.16  600.7212899.76  600.7213311.03   600.913362.94  601.08
13616.95  600.9513622.97  591.1313715.12  590.2914284.53  584.6914769.27  580.36
14776.55  578.4914802.19  572.54 14808.8  570.8314819.21  568.1815157.62  568.18
15182.17  574.1515205.71  580.3615297.53  609.97 15317.2   612.915564.03  649.34
16019.64   654.416470.32  659.2518656.58   659.118775.88   659.119013.51  659.13
19375.82  649.3520397.07  649.4620663.55  649.6422398.47  649.8222794.36  649.91
23232.48   653.223905.93  658.4824137.82  660.1825291.64  660.18 25949.4  650.36
 26232.9  650.3626827.19  650.1827073.27  650.0827250.88  651.5727395.83  652.66
 27549.7  654.0227854.09  656.8828187.17  659.8629324.02  689.4830011.72  689.57
31013.82  758.4431161.54  758.4631800.34  699.6331836.27  699.6333486.15  778.42
34566.29   770.334770.72  768.8735135.04  788.7435177.95  788.7635495.35  779.14
 35838.7  789.1836002.39  789.2836804.07     79037524.52  790.1237887.83     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514769.27     .1515205.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14769.2715205.71                5       5       5             .1       .3
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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.12    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.04    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1476355.00   83143.27   1625847.00
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            1476355.00   83143.27   1625847.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3273425.00   266213.80   3190362.00
  Top Width (ft)          31852.75    Top Width (ft)          13520.68     436.44   17895.63
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.22       3.20       1.96
  Max Chl Dpth (ft)         191.86    Hydr. Depth (ft)          109.19     190.50      90.85
  Conv. Total (cfs)       686238100.0    Conv. (cfs)            333781400.0   27145030.0   325311700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13540.64     439.43   17910.42
  Min Ch El (ft)            568.18    Shear (lb/sq ft)            0.65       1.14       0.55
  Alpha                       1.04    Stream Power (lb/ft s)      1.45       3.64       1.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    186581.30   27020.41   218657.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1722.37     133.54    2134.93


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276831.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  170.15  794.48  553.57   782.1 1166.25  762.73 1320.42  757.71
 1566.64  749.88 1711.04  749.81 2012.98  749.81 2301.23  749.76 3075.39  713.29
  3137.3   710.3 3215.98  710.19 3225.74  710.18 3399.58   719.9 3554.67  719.81
 3677.94  719.72 3810.29  716.57 4133.81  708.91 4528.09  699.72 4821.52  699.65
 4947.79   698.3 5085.18  696.67 5144.29  695.86 5457.42  692.59 5759.09  689.57
 5880.79  689.62  6070.9  689.24 6214.69  689.05  6276.2  688.86 6318.53  688.86
 6448.46  688.99 6636.37  698.99 6690.78  694.96 6802.61  686.73 7116.54   663.3
 7157.92  660.32 7291.48  644.34  7544.7  613.21 7556.86  611.68 7706.05   609.8
 7825.88  608.58 8045.55  606.71 8196.52  605.16 8354.68  603.17 8515.54  601.42
 8640.15  581.72 8655.03  581.71 8732.52  581.33  8877.9  580.76 8927.43  580.76
 8963.73  580.93 9073.26  610.89 9166.27  611.33 9501.35  611.17 9638.02  601.29
 9686.25  591.46 9870.15  591.3710088.21  610.89 10347.7  610.7610896.48  610.57
12160.32  610.5712368.34  600.7612903.07  600.7613314.45  600.9513366.38  601.14
13620.44     60113626.47  591.1913718.65  590.3514288.19  584.7214773.07  580.38
14780.49   578.5 14806.6  572.5614813.34  570.8414823.95  568.18 15162.6  568.18
15187.32  574.1415211.02  580.3815302.84  609.9715322.51   612.915569.31  649.31
16024.88  654.36 16475.5  659.2118661.54  659.0518780.83  659.0519018.43  659.08
 19380.7  649.3120401.84  649.43 20668.3  649.6222403.03  649.8122798.88   649.9
23236.95   653.223910.33   658.5 24142.2  660.19 25295.9  660.1925953.59  650.38
26237.06  650.3826831.28  650.1927077.34  650.0827254.93  651.5627399.87  652.65
27553.72  654.0127858.08  656.8828191.12  659.8629327.85  689.4530015.48  689.55
31017.48  758.3631165.19  758.3831803.91  699.6131839.84  699.6133489.55  778.33
34569.57  770.2334773.98  768.8135138.26  788.6735181.17  788.6935498.54  779.09
35841.86  789.1336005.52  789.2436807.11     79037527.49  790.1337890.77     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514773.07     .1515211.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14773.0715211.02                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.12    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.04    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1476443.00   83424.20   1626059.00
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            1476443.00   83424.20   1626059.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3272501.00   267059.30   3190441.00
  Top Width (ft)          31857.55    Top Width (ft)          13524.31     437.95   17895.30
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.22       3.20       1.96
  Max Chl Dpth (ft)         191.86    Hydr. Depth (ft)          109.17     190.49      90.87
  Conv. Total (cfs)       686379000.0    Conv. (cfs)            333755700.0   27236830.0   325386500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13544.23     440.91   17910.06
  Min Ch El (ft)            568.18    Shear (lb/sq ft)            0.65       1.14       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.45       3.64       1.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    186411.90   27010.85   218470.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1720.82     133.49    2132.88


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276828.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  170.19  794.48  553.71  782.09 1166.55  762.72 1320.76   757.7
 1567.04  749.87 1711.48   749.8  2013.5   749.8 2301.82  749.75 3076.18   713.3
 3138.11  710.31 3216.81   710.2 3226.56  710.19 3400.46  719.89 3555.59   719.8
 3678.89   719.7 3811.27  716.55 4134.87  708.89 4529.25   699.7 4822.76  699.63
 4949.06  698.28 5086.49  696.64 5145.61  695.83 5458.82  692.55 5760.57  689.54
  5882.3   689.6 6072.46   689.2 6216.28     689 6277.81   688.8 6320.16   688.8
 6450.11  688.94 6638.08  698.94 6692.49  694.91 6804.35  686.71 7118.37  663.31
 7159.76  660.34 7293.35   644.4 7546.63  613.29  7558.8  611.77 7708.03  609.87
 7827.88  608.65 8047.61   606.8 8198.62  605.26 8356.83  603.24 8517.73  601.49
 8642.37  581.81 8657.25   581.8 8734.76   581.4 8880.18   580.8 8929.72   580.8
 8966.03  580.98 9075.59  610.93 9168.62   611.4 9503.79  611.23 9640.49  601.36
 9688.74  591.54 9872.68  591.44 10090.8  610.9310350.35   610.810899.27   610.6
12163.44   610.612371.51   600.812906.38   600.813317.87     60113369.81   601.2
13623.94  601.0613629.97  591.2513722.17  590.4114291.86  584.7414776.86   580.4
14784.42  578.5114811.02  572.5814817.88  570.8514828.68  568.1815167.58  568.18
15192.47  574.1415216.34   580.415308.15  609.9615327.81  612.8915574.59  649.27
16030.11  654.3316480.68  659.1718666.49     65918785.77     65919023.34  659.03
19385.58  649.2720406.62   649.420673.04   649.622407.59   649.8 22803.4  649.89
23241.43   653.223914.73  658.5124146.58   660.225300.16   660.225957.78   650.4
26241.22   650.426835.38   650.227081.41  650.0827258.98  651.56 27403.9  652.64
27557.74  653.9927862.06  656.8728195.07  659.8529331.69  689.4230019.24  689.52
31021.14  758.2731168.83  758.2931807.49  699.5931843.41  699.5933492.95  778.24
34572.86  770.1634777.25  768.7435141.48   788.635184.39  788.6335501.73  779.05
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   35845  789.0936008.66   789.236810.16     79037530.46  790.13 37893.7     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514776.86     .1515216.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14776.8615216.34                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.11    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.04    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1476553.00   83708.77   1626304.00
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            1476553.00   83708.77   1626304.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3271548.00   267907.80   3190544.00
  Top Width (ft)          31862.50    Top Width (ft)          13528.07     439.48   17894.95
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.22       3.20       1.96
  Max Chl Dpth (ft)         191.86    Hydr. Depth (ft)          109.15     190.47      90.88
  Conv. Total (cfs)       686538200.0    Conv. (cfs)            333735900.0   27329710.0   325472600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13547.96     442.42   17909.69
  Min Ch El (ft)            568.18    Shear (lb/sq ft)            0.65       1.14       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.45       3.63       1.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    186242.40   27001.25   218283.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1719.27     133.44    2130.83


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276825.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  170.23  794.47  553.85  782.07 1166.85  762.72  1321.1  757.69
 1567.45  749.87 1711.92  749.79 2014.02  749.79 2302.41  749.73 3076.97  713.32
 3138.92  710.33 3217.63  710.21 3227.39   710.2 3401.33  719.89  3556.5  719.79
 3679.83  719.69 3812.25  716.53 4135.93  708.87 4530.41  699.69    4824  699.61
 4950.33  698.26 5087.79  696.62 5146.93  695.79 5460.23  692.52 5762.05  689.52
 5883.81  689.58 6074.02  689.16 6217.88  688.95 6279.42  688.74 6321.78  688.74
 6451.77  688.89 6639.78  698.89 6694.21  694.87  6806.1  686.68 7120.19  663.32
 7161.59  660.36 7295.22  644.45 7548.57  613.38 7560.75  611.86 7710.01  609.95
 7829.89  608.72 8049.68   606.9 8200.73  605.36 8358.97  603.32 8519.91  601.57
 8644.59   581.9 8659.48  581.89    8737  581.47 8882.46  580.84 8932.01  580.84
 8968.33  581.03 9077.92  610.98 9170.97  611.47 9506.23  611.29 9642.97  601.43
 9691.23  591.61 9875.22  591.5110093.39  610.9810353.01  610.8410902.07  610.63
12166.57  610.6312374.69  600.8412909.69  600.8413321.29  601.0513373.24  601.26
13627.44  601.1113633.47  591.3113725.69  590.4714295.53  584.7714780.65  580.42
14788.35  578.5314815.43   572.614822.42  570.8614833.41  568.1815172.56  568.18
15197.62  574.1415221.66  580.4215313.45  609.9615333.12  612.8915579.87  649.23
16035.34  654.2916485.87  659.1218671.45  658.9518790.71  658.9519028.26  658.98
19390.46  649.2420411.39  649.3720677.79  649.5822412.15  649.7922807.92  649.89
 23245.9  653.1923919.14  658.5224150.96  660.2125304.41  660.2125961.96  650.42
26245.38  650.4226839.48  650.2127085.48  650.0927263.04  651.5627407.94  652.62
27561.76  653.9827866.05  656.8628199.03  659.8429335.52  689.39   30023   689.5
31024.79  758.1831172.47  758.2131811.06  699.5731846.98  699.5733496.34  778.15
34576.14  770.0934780.51  768.6835144.71  788.5335187.61  788.5635504.91     779
35848.15  789.0436011.79  789.1636813.21     79037533.44  790.1437896.64     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514780.65     .1515221.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14780.6515221.66                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.11    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.04    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1476640.00   83993.19   1626543.00
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            1476640.00   83993.19   1626543.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3270573.00   268758.10   3190669.00
  Top Width (ft)          31867.30    Top Width (ft)          13531.68     441.01   17894.61
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.21       3.20       1.96
  Max Chl Dpth (ft)         191.86    Hydr. Depth (ft)          109.12     190.46      90.90
  Conv. Total (cfs)       686689300.0    Conv. (cfs)            333709900.0   27422490.0   325557000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13551.55     443.92   17909.32
  Min Ch El (ft)            568.18    Shear (lb/sq ft)            0.65       1.13       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.45       3.63       1.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    186072.90   26991.63   218097.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1717.72     133.39    2128.77


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276822.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  170.28  794.47     554  782.06 1167.15  762.72 1321.44  757.69
 1567.85  749.86 1712.35  749.78 2014.53  749.78    2303  749.72 3077.76  713.34
 3139.72  710.34 3218.46  710.22 3228.22  710.21  3402.2  719.88 3557.41  719.78
 3680.77  719.67 3813.23  716.51 4136.99  708.85 4531.58  699.67 4825.23  699.59
  4951.6  698.24  5089.1  696.59 5148.26  695.75 5461.63  692.49 5763.53   689.5
 5885.32  689.56 6075.58  689.12 6219.48   688.9 6281.03  688.68  6323.4  688.68
 6453.42  688.83 6641.49  698.84 6695.93  694.82 6807.85  686.65 7122.02  663.32
 7163.43  660.38 7297.09  644.51 7550.51  613.47 7562.69  611.95 7711.99  610.02
  7831.9   608.8 8051.74  606.99 8202.83  605.45 8361.12   603.4  8522.1  601.64
  8646.8  581.99  8661.7  581.98 8739.24  581.54 8884.74  580.88  8934.3  580.88
 8970.63  581.08 9080.25  611.03 9173.33  611.54 9508.67  611.35 9645.44   601.5
 9693.71  591.69 9877.75  591.5910095.98  611.0210355.67  610.8810904.87  610.66
12169.69  610.6612377.86  600.8812913.01  600.8813324.71   601.113376.67  601.32
13630.94  601.1613636.97  591.3813729.21  590.53 14299.2   584.814784.45  580.44
14792.28  578.5414819.84  572.6114826.96  570.8614838.15  568.1815177.54  568.18
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15202.78  574.1315226.97  580.4415318.76  609.9615338.43  612.8915585.15   649.2
16040.57  654.2616491.05  659.08 18676.4   658.918795.65   658.919033.18  658.93
19395.34   649.220416.16  649.3420682.53  649.5622416.71  649.7822812.44  649.88
23250.38  653.1923923.54  658.5324155.34  660.2225308.67  660.2225966.15  650.44
26249.54  650.4426843.57  650.2227089.55  650.0927267.09  651.5627411.98  652.61
27565.78  653.9627870.04  656.8628202.98  659.8329339.36  689.3630026.77  689.47
31028.45   758.131176.11  758.1231814.63  699.5531850.55  699.5533499.74  778.06
34579.43  770.0234783.77  768.6235147.93  788.4635190.83  788.49 35508.1  778.95
 35851.3  788.9936014.92  789.1236816.26     79037536.41  790.1537899.57     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514784.45     .1515226.97     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14784.4515226.97                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.11    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.04    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1476737.00   84274.58   1626776.00
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            1476737.00   84274.58   1626776.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3269647.00   269598.40   3190755.00
  Top Width (ft)          31871.95    Top Width (ft)          13535.15     442.52   17894.28
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.21       3.20       1.96
  Max Chl Dpth (ft)         191.86    Hydr. Depth (ft)          109.10     190.44      90.91
  Conv. Total (cfs)       686843600.0    Conv. (cfs)            333690400.0   27514400.0   325638800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13554.97     445.41   17908.97
  Min Ch El (ft)            568.18    Shear (lb/sq ft)            0.65       1.13       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.45       3.63       1.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    185903.40   26981.97   217910.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1716.16     133.34    2126.72


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276819.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  170.32  794.46  554.14  782.05 1167.45  762.71 1321.78  757.68
 1568.25  749.86 1712.79  749.77 2015.05  749.77 2303.59  749.71 3078.55  713.35
 3140.53  710.36 3219.28  710.23 3229.05  710.22 3403.08  719.88 3558.32  719.77
 3681.72  719.66  3814.2   716.5 4138.05  708.83 4532.74  699.66 4826.47  699.58
 4952.87  698.22  5090.4  696.56 5149.58  695.72 5463.03  692.45 5765.01  689.47
 5886.83  689.54 6077.14  689.08 6221.07  688.85 6282.64  688.62 6325.02  688.62
 6455.08  688.78 6643.19  698.78 6697.65  694.77 6809.59  686.62 7123.85  663.33
 7165.27  660.39 7298.96  644.57 7552.45  613.56 7564.63  612.04 7713.97  610.09
 7833.91  608.87 8053.81  607.09 8204.94  605.55 8363.26  603.48 8524.29  601.72
 8649.02  582.08 8663.92  582.07 8741.49  581.61 8887.02  580.92 8936.59  580.92
 8972.93  581.13 9082.58  611.07 9175.68  611.61 9511.11  611.41 9647.92  601.56
  9696.2  591.77 9880.29  591.6610098.57  611.0710358.32  610.9210907.67  610.69
12172.81  610.6912381.04  600.9212916.32  600.9213328.13  601.15 13380.1  601.38
13634.43  601.2113640.47  591.4413732.74  590.5914302.87  584.8214788.24  580.46
14796.21  578.5514824.26  572.6314831.49  570.8714842.88  568.1715182.52  568.17
15207.93  574.1315232.29  580.4615324.07  609.9615343.73  612.8815590.43  649.16
 16045.8  654.2216496.24  659.0418681.35  658.85 18800.6  658.8519038.09  658.88
19400.22  649.1720420.93  649.3120687.27  649.5422421.28  649.7722816.96  649.88
23254.85  653.1923927.95  658.5424159.72  660.2325312.93  660.2325970.34  650.46
 26253.7  650.4626847.67  650.2327093.63   650.127271.14  651.5627416.01   652.6
 27569.8  653.9527874.03  656.8528206.94  659.8329343.19  689.3330030.53  689.45
31032.11  758.0131179.75  758.0431818.21  699.5331854.12  699.5333503.14  777.97
34582.71  769.9434787.04  768.5535151.15  788.3935194.05  788.4235511.29   778.9
35854.45  788.9536018.05  789.0836819.31     79037539.38  790.15 37902.5     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514788.24     .1515232.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14788.2415232.29                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.11    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.04    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1476832.00   84562.66   1626989.00
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            1476832.00   84562.66   1626989.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3268709.00   270467.50   3190824.00
  Top Width (ft)          31876.90    Top Width (ft)          13538.91     444.05   17893.94
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.21       3.20       1.96
  Max Chl Dpth (ft)         191.87    Hydr. Depth (ft)          109.08     190.44      90.92
  Conv. Total (cfs)       686988200.0    Conv. (cfs)            333664800.0   27608910.0   325714500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13558.69     446.92   17908.61
  Min Ch El (ft)            568.17    Shear (lb/sq ft)            0.65       1.13       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.44       3.63       1.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    185733.90   26972.28   217723.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1714.61     133.29    2124.66


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276817.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  170.36  794.46  554.28  782.04 1167.75  762.71 1322.12  757.67
 1568.65  749.85 1713.23  749.76 2015.57  749.76 2304.18  749.69 3079.34  713.37
 3141.33  710.37 3220.11  710.24 3229.88  710.23 3403.95  719.87 3559.24  719.76
 3682.66  719.64 3815.18  716.48 4139.11  708.81  4533.9  699.64 4827.71  699.56
 4954.14  698.21 5091.71  696.54  5150.9  695.68 5464.43  692.42 5766.49  689.45
 5888.34  689.52  6078.7  689.04 6222.67   688.8 6284.25  688.56 6326.65  688.56
 6456.74  688.73 6644.89  698.73 6699.37  694.73 6811.34   686.6 7125.67  663.34
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 7167.11  660.41 7300.84  644.62 7554.38  613.65 7566.57  612.12 7715.95  610.16
 7835.92  608.94 8055.87  607.18 8207.04  605.65 8365.41  603.56 8526.47  601.79
 8651.24  582.17 8666.14  582.16 8743.73  581.68  8889.3  580.96 8938.89  580.96
 8975.23  581.18 9084.91  611.12 9178.03  611.68 9513.55  611.48 9650.39  601.63
 9698.69  591.84 9882.82  591.7310101.16  611.1210360.98  610.9610910.46  610.72
12175.93  610.7212384.21  600.9612919.63  600.9613331.54   601.213383.53  601.44
13637.93  601.2713643.97   591.513736.26  590.6614306.54  584.8514792.03  580.48
14800.14  578.5614828.67  572.6514836.03  570.8814847.62  568.17 15187.5  568.17
15213.08  574.1215237.61  580.4815329.38  609.9615349.04  612.8815595.71  649.12
16051.03  654.1916501.42     65918686.31   658.818805.54   658.819043.01  658.84
 19405.1  649.13 20425.7  649.2820692.02  649.5222425.84  649.7622821.48  649.87
23259.32  653.1823932.35  658.56 24164.1  660.2425317.19  660.2425974.53  650.48
26257.85  650.4826851.77  650.24 27097.7   650.127275.19  651.5627420.05  652.59
27573.82  653.9327878.02  656.8428210.89  659.8229347.02   689.330034.29  689.43
31035.77  757.9231183.39  757.9531821.78  699.5131857.69  699.5133506.54  777.89
   34586  769.87 34790.3  768.4935154.38  788.3235197.27  788.3535514.47  778.86
35857.61   788.936021.19  789.0436822.36     79037542.36  790.1637905.44     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514792.03     .1515237.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14792.0315237.61                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.11    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.04    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1476923.00   84847.41   1627217.00
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            1476923.00   84847.41   1627217.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3267751.00   271317.70   3190932.00
  Top Width (ft)          31881.55    Top Width (ft)          13542.52     445.58   17893.44
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)             2.21       3.20       1.96
  Max Chl Dpth (ft)         191.87    Hydr. Depth (ft)           109.06     190.42      90.94
  Conv. Total (cfs)       687138600.0    Conv. (cfs)             333640100.0   27701760.0   325796800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13562.28     448.43   17908.09
  Min Ch El (ft)            568.17    Shear (lb/sq ft)             0.65       1.13       0.54
  Alpha                       1.04    Stream Power (lb/ft s)       1.44       3.62       1.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    185564.40   26962.56   217537.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1713.05     133.24    2122.61


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276814.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  170.41  794.46  554.42  782.02 1168.05  762.71 1322.46  757.66
 1569.06  749.84 1713.67  749.75 2016.09  749.75 2304.77  749.68 3080.13  713.39
 3142.14  710.39 3220.94  710.25 3230.71  710.24 3404.82  719.86 3560.15  719.75
 3683.61  719.63 3816.16  716.46 4140.18  708.79 4535.06  699.63 4828.95  699.54
 4955.41  698.19 5093.02  696.51 5152.22  695.64 5465.83  692.39 5767.97  689.43
 5889.85   689.5 6080.26     689 6224.26  688.75 6285.87   688.5 6328.27   688.5
 6458.39  688.67  6646.6  698.68 6701.08  694.68 6813.09  686.57  7127.5  663.34
 7168.94  660.43 7302.71  644.68 7556.32  613.74 7568.51  612.21 7717.93  610.23
 7837.93  609.01 8057.94  607.28 8209.15  605.74 8367.55  603.64 8528.66  601.87
 8653.46  582.26 8668.37  582.25 8745.97  581.75 8891.58     581 8941.18     581
 8977.54  581.23 9087.24  611.17 9180.39  611.75 9515.99  611.54 9652.86   601.7
 9701.17  591.92 9885.35   591.810103.75  611.1610363.64     61110913.26  610.75
12179.05  610.7512387.39     60112922.95     60113334.96  601.2513386.97   601.5
13641.43  601.3213647.46  591.5713739.78  590.7214310.21  584.8714795.83   580.5
14804.07  578.5714833.08  572.6714840.57  570.8914852.35  568.1715192.47  568.17
15218.23  574.1215242.92   580.515334.68  609.9615354.34  612.8815600.98  649.09
16056.27  654.1516506.61  658.9618691.26  658.7518810.48  658.7519047.93  658.79
19409.98  649.0920430.47  649.2520696.76   649.5 22430.4  649.75   22826  649.87
 23263.8  653.1823936.75  658.5724168.47  660.2525321.45  660.2525978.72   650.5
26262.01   650.526855.86  650.2527101.77   650.127279.24  651.5527424.09  652.57
27577.84  653.9227882.01  656.8328214.84  659.8129350.86  689.2730038.05   689.4
31039.42  757.8431187.04  757.8731825.36  699.4831861.26  699.4933509.93   777.8
34589.28   769.834793.56  768.43 35157.6  788.2535200.49  788.2835517.66  778.81
35860.75  788.8636024.32     78936825.41     79037545.33  790.1737908.38     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514795.83     .1515242.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14795.8315242.92                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.11    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.04    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1477021.00   85128.13   1627452.00
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            1477021.00   85128.13   1627452.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3266814.00   272153.20   3191033.00
  Top Width (ft)          31886.35    Top Width (ft)          13546.15     447.09   17893.11
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)             2.21       3.20       1.96
  Max Chl Dpth (ft)         191.87    Hydr. Depth (ft)           109.04     190.41      90.95
  Conv. Total (cfs)       687291000.0    Conv. (cfs)             333618400.0   27793230.0   325879300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13565.87     449.91   17907.74
  Min Ch El (ft)            568.17    Shear (lb/sq ft)             0.65       1.13       0.54
  Alpha                       1.04    Stream Power (lb/ft s)       1.44       3.62       1.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    185394.80   26952.80   217350.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1711.50     133.18    2120.56


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276811.*

INPUT
Description:
Station Elevation Data    num=     120
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```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  170.45  794.45  554.57  782.01 1168.35  762.71 1322.79  757.65
 1569.46  749.84 1714.11  749.74  2016.6  749.74 2305.36  749.67 3080.92  713.41
 3142.94  710.41 3221.76  710.26 3231.53  710.25 3405.69  719.86 3561.06  719.74
 3684.55  719.61 3817.14  716.45 4141.24  708.77 4536.23  699.61 4830.19  699.52
 4956.68  698.17 5094.32  696.48 5153.54  695.61 5467.23  692.35 5769.44  689.41
 5891.36  689.48 6081.82  688.96 6225.86   688.7 6287.48  688.44 6329.89  688.44
 6460.05  688.62  6648.3  698.62  6702.8  694.64 6814.83  686.54 7129.33  663.35
 7170.78  660.44 7304.58  644.74 7558.26  613.83 7570.45   612.3  7719.9   610.3
 7839.94  609.09 8060.01  607.38 8211.25  605.84  8369.7  603.71 8530.85  601.94
 8655.68  582.35 8670.59  582.34 8748.21  581.82 8893.86  581.04 8943.47  581.04
 8979.84  581.28 9089.57  611.21 9182.74  611.82 9518.43   611.6 9655.34  601.77
 9703.66     592 9887.89  591.8810106.34  611.2110366.29  611.0410916.06  610.78
12182.18  610.7812390.57  601.0412926.26  601.0413338.38   601.3 13390.4  601.56
13644.92  601.3713650.96  591.63 13743.3  590.7814313.87   584.914799.62  580.52
   14808  578.58 14837.5  572.6814845.11   570.914857.08  568.1715197.45  568.17
15223.38  574.1115248.24  580.5215339.99  609.9515359.65  612.8815606.26  649.05
 16061.5  654.1216511.79  658.9218696.22   658.718815.42   658.719052.85  658.74
19414.86  649.0620435.25  649.22 20701.5  649.4822434.96  649.7422830.52  649.86
23268.27  653.1823941.15  658.5824172.85  660.26 25325.7  660.2625982.91  650.52
26266.17  650.5226859.96  650.2627105.84  650.11 27283.3  651.5527428.12  652.56
27581.86  653.91   27886  656.83 28218.8   659.829354.69  689.2430041.81  689.38
31043.08  757.7531190.68  757.7831828.93  699.4631864.83  699.4733513.33  777.71
34592.56  769.7334796.82  768.3735160.83  788.1735203.71  788.2135520.84  778.76
35863.91  788.8136027.45  788.9636828.46     790 37548.3  790.1737911.31     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514799.62     .1515248.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14799.6215248.24                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.11    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.04    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1477108.00   85412.97   1627673.00
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            1477108.00   85412.97   1627673.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3265870.00   273004.80   3191125.00
  Top Width (ft)          31891.17    Top Width (ft)          13549.77     448.62   17892.78
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.21       3.20       1.96
  Max Chl Dpth (ft)         191.87    Hydr. Depth (ft)          109.01     190.39      90.97
  Conv. Total (cfs)       687435900.0    Conv. (cfs)            333592400.0   27886080.0   325957400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13569.45     451.42   17907.39
  Min Ch El (ft)            568.17    Shear (lb/sq ft)            0.65       1.13       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.44       3.62       1.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    185225.30   26943.02   217163.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1709.94     133.13    2118.50


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276808.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  170.49  794.45  554.71     782 1168.65   762.7 1323.13  757.65
 1569.86  749.83 1714.55  749.73 2017.12  749.73 2305.95  749.66 3081.71  713.42
 3143.75  710.42 3222.59  710.27 3232.36  710.26 3406.57  719.85 3561.98  719.73
  3685.5   719.6 3818.12  716.43  4142.3  708.76 4537.39   699.6 4831.42   699.5
 4957.95  698.15 5095.63  696.45 5154.86  695.57 5468.63  692.32 5770.92  689.38
 5892.87  689.46 6083.37  688.92 6227.45  688.65 6289.09  688.38 6331.51  688.38
  6461.7  688.57 6650.01  698.57 6704.52  694.59 6816.58  686.51 7131.16  663.36
 7172.62  660.46 7306.45  644.79 7560.19  613.91 7572.39  612.39 7721.88  610.38
 7841.95  609.16 8062.07  607.47 8213.36  605.94 8371.84  603.79 8533.03  602.02
  8657.9  582.44 8672.81  582.43 8750.45  581.89 8896.13  581.08 8945.76  581.08
 8982.14  581.33  9091.9  611.26 9185.09  611.89 9520.87  611.66 9657.81  601.84
 9706.15  592.07 9890.42  591.9510108.93  611.2610368.95  611.0810918.86  610.81
 12185.3  610.8112393.74  601.0812929.57  601.08 13341.8  601.3513393.83  601.62
13648.42  601.4313654.46  591.6913746.83  590.8414317.54  584.9214803.41  580.54
14811.93   578.614841.91   572.714849.64  570.9114861.82  568.1715202.43  568.17
15228.53  574.1115253.56  580.54 15345.3  609.9515364.95  612.8715611.54  649.01
16066.73  654.0816516.97  658.8718701.17  658.6518820.36  658.6519057.76  658.69
19419.73  649.0220440.02  649.1920706.25  649.4622439.52  649.7322835.04  649.86
23272.74  653.1723945.56  658.5924177.23  660.2725329.96  660.27 25987.1  650.54
26270.33  650.5426864.06  650.2727109.91  650.1127287.35  651.5527432.16  652.55
27585.88  653.8927889.99  656.8228222.75   659.829358.53  689.2230045.58  689.35
31046.74  757.6731194.32   757.731832.51  699.44 31868.4  699.4533516.73  777.62
34595.85  769.6634800.08   768.335164.05   788.135206.93  788.1535524.03  778.71
35867.05  788.7736030.59  788.92 36831.5     79037551.27  790.1837914.25     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514803.41     .1515253.56     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14803.4115253.56                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.11    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.04    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1477203.00   85697.04   1627911.00
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            1477203.00   85697.04   1627911.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3264920.00   273849.00   3191231.00
  Top Width (ft)          31895.98    Top Width (ft)          13553.37     450.15   17892.46
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.21       3.20       1.96
  Max Chl Dpth (ft)         191.87    Hydr. Depth (ft)          108.99     190.37      90.98
  Conv. Total (cfs)       687589300.0    Conv. (cfs)            333569700.0   27978550.0   326041100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13573.02     452.93   17907.04
  Min Ch El (ft)            568.17    Shear (lb/sq ft)            0.65       1.13       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.44       3.62       1.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    185055.80   26933.20   216976.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1708.39     133.08    2116.45


CROSS SECTION
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RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276805.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  170.54  794.44  554.85  781.99 1168.95   762.7 1323.47  757.64
 1570.26  749.82 1714.99  749.72 2017.64  749.72 2306.54  749.64  3082.5  713.44
 3144.55  710.44 3223.41  710.28 3233.19  710.27 3407.44  719.85 3562.89  719.72
 3686.44  719.58  3819.1  716.41 4143.36  708.74 4538.55  699.58 4832.66  699.48
 4959.22  698.13 5096.93  696.43 5156.18  695.53 5470.03  692.29  5772.4  689.36
 5894.38  689.44 6084.93  688.88 6229.05   688.6  6290.7  688.32 6333.13  688.32
 6463.36  688.52 6651.71  698.52 6706.24  694.54 6818.33  686.49 7132.98  663.36
 7174.46  660.48 7308.32  644.85 7562.13     614 7574.33  612.48 7723.86  610.45
 7843.96  609.23 8064.14  607.57 8215.46  606.03 8373.99  603.87 8535.22  602.09
 8660.11  582.53 8675.03  582.52  8752.7  581.96 8898.41  581.12 8948.05  581.12
 8984.44  581.38 9094.23  611.31 9187.45  611.96 9523.31  611.72 9660.29   601.9
 9708.63  592.15 9892.96  592.0210111.52   611.310371.61  611.1210921.65  610.84
12188.42  610.8412396.92  601.1212932.88  601.1213345.22   601.413397.26  601.68
13651.92  601.4813657.96  591.7513750.35   590.914321.21  584.95 14807.2  580.56
14815.86  578.6114846.32  572.7214854.18  570.9214866.55  568.1715207.41  568.17
15233.69  574.1115258.88  580.5615350.61  609.9515370.26  612.8715616.82  648.98
16071.96  654.0516522.16  658.8318706.13   658.618825.31   658.619062.68  658.64
19424.61  648.9820444.79  649.1620710.99  649.4422444.09  649.7222839.56  649.85
23277.22  653.1723949.96   658.624181.61  660.2825334.22  660.2825991.29  650.56
26274.49  650.5626868.15  650.2827113.98  650.12 27291.4  651.55 27436.2  652.53
 27589.9  653.8827893.97  656.8128226.71  659.7929362.36  689.1930049.34  689.33
31050.39  757.5831197.96  757.6131836.08  699.4231871.97  699.4333520.12  777.53
34599.13  769.5934803.35  768.2435167.27  788.0335210.15  788.0835527.21  778.67
35870.21  788.7236033.72  788.8836834.55     79037554.25  790.1937917.18     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 14807.2    .1515258.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       14807.215258.88                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.11    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.04    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1477301.00   85981.49   1628139.00
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            1477301.00   85981.49   1628139.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3263990.00   274694.80   3191315.00
  Top Width (ft)          31900.79    Top Width (ft)          13556.98     451.68   17892.13
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.21       3.19       1.96
  Max Chl Dpth (ft)         191.87    Hydr. Depth (ft)          108.97     190.36      91.00
  Conv. Total (cfs)       687740500.0    Conv. (cfs)             333548000.0   28071140.0   326121400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13576.60     454.44   17906.69
  Min Ch El (ft)            568.17    Shear (lb/sq ft)            0.65       1.13       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.44       3.61       1.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    184886.20   26923.34   216789.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1706.83     133.03    2114.40


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276802.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  170.58  794.44  554.99  781.97 1169.25   762.7 1323.81  757.63
 1570.66  749.82 1715.43  749.71 2018.15  749.71 2307.13  749.63 3083.29  713.46
 3145.36  710.45 3224.24  710.29 3234.02  710.28 3408.31  719.84  3563.8  719.71
 3687.39  719.57 3820.07   716.4 4144.42  708.72 4539.72  699.57  4833.9  699.46
 4960.49  698.11 5098.24   696.4  5157.5   695.5 5471.44  692.25 5773.88  689.34
 5895.89  689.42 6086.49  688.84 6230.65  688.55 6292.31  688.26 6334.76  688.26
 6465.01  688.46 6653.41  698.47 6707.95   694.5 6820.07  686.46 7134.81  663.37
  7176.3   660.5  7310.2  644.91 7564.07  614.09 7576.27  612.57 7725.84  610.52
 7845.97  609.31  8066.2  607.66 8217.56  606.13 8376.13  603.95 8537.41  602.16
 8662.33  582.62 8677.25  582.61 8754.94  582.03 8900.69  581.16 8950.35  581.16
 8986.74  581.42 9096.56  611.35  9189.8  612.03 9525.75  611.78 9662.76  601.97
 9711.12  592.23 9895.49  592.0910114.11  611.3510374.26  611.1610924.45  610.87
12191.54  610.8712400.09  601.16 12936.2  601.1613348.64  601.4513400.69  601.74
13655.42  601.5313661.46  591.8213753.87  590.9614324.88  584.98   14811  580.58
14819.79  578.6214850.74  572.7414858.72  570.9314871.29  568.1715212.39  568.17
15238.84   574.115264.19  580.5815355.91  609.9515375.56  612.87 15622.1  648.94
16077.19  654.0116527.34  658.7918711.08  658.5518830.25  658.55 19067.6  658.59
19429.49  648.9520449.56  649.1320715.73  649.4222448.65  649.7122844.08  649.85
23281.69  653.1723954.37  658.6124185.99  660.2925338.48  660.2925995.47  650.58
26278.65  650.5826872.25  650.2927118.05  650.1227295.45  651.5527440.23  652.52
27593.92  653.8627897.96  656.8128230.66  659.78 29366.2  689.16 30053.1  689.31
31054.05  757.49 31201.6  757.5231839.65   699.431875.54  699.4133523.52  777.45
34602.41  769.5234806.61  768.18 35170.5  787.9635213.37  788.01 35530.4  778.62
35873.36  788.6736036.85  788.84 36837.6     79037557.22  790.1937920.11     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   14811    .1515264.19     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         1481115264.19                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.11    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.04    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1477389.00   86262.51   1628360.00
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            1477389.00   86262.51   1628360.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3263046.00   275531.60   3191422.00
  Top Width (ft)          31905.44    Top Width (ft)          13560.61     453.19   17891.64
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.21       3.19       1.96
  Max Chl Dpth (ft)         191.87    Hydr. Depth (ft)          108.95     190.34      91.01
  Conv. Total (cfs)       687886200.0    Conv. (cfs)             333522200.0   28162610.0   326201400.0
```

```
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13580.18     455.93   17906.19
  Min Ch El (ft)            568.17    Shear (lb/sq ft)            0.65       1.13       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.44       3.61       1.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    184716.60   26913.46   216602.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1705.28     132.98    2112.34


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276799.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  170.63  794.43  555.13  781.96 1169.55   762.7 1324.15  757.62
 1571.07  749.81 1715.87   749.7 2018.67   749.7 2307.73  749.62 3084.08  713.47
 3146.17  710.47 3225.06   710.3 3234.85  710.29 3409.19  719.84 3564.71   719.7
 3688.33  719.56 3821.05  716.38 4145.48   708.7 4540.88  699.55 4835.14  699.45
 4961.76  698.09 5099.54  696.37 5158.82  695.46 5472.84  692.22 5775.36  689.31
  5897.4   689.4 6088.05   688.8 6232.24   688.5 6293.92   688.2 6336.38   688.2
 6466.67  688.41 6655.12  698.41 6709.67  694.45 6821.82  686.43 7136.64  663.38
 7178.13  660.51 7312.07  644.96    7566  614.18 7578.21  612.65 7727.82  610.59
 7847.98  609.38 8068.27  607.76 8219.67  606.23 8378.28  604.03 8539.59  602.24
 8664.55  582.71 8679.48   582.7 8757.18   582.1 8902.97   581.2 8952.64   581.2
 8989.04  581.47 9098.89   611.4 9192.16   612.1 9528.18  611.84 9665.24  602.04
 9713.61   592.3 9898.03  592.1610116.71   611.410376.92   611.210927.25   610.9
12194.67   610.912403.27   601.212939.51   601.213352.06   601.513404.12   601.8
13658.91  601.5813664.96  591.8813757.39  591.0214328.55     58514814.79   580.6
14823.72  578.6314855.15  572.7614863.26  570.9414876.02  568.1715217.37  568.17
15243.99   574.115269.51   580.615361.22  609.9515380.87  612.8615627.38  648.91
16082.42  653.9816532.53  658.7518716.04   658.518835.19   658.519072.51  658.54
19434.37  648.9120454.33   649.120720.48   649.422453.21   649.7 22848.6  649.84
23286.17  653.1623958.77  658.6324190.37   660.325342.73   660.325999.66   650.6
26282.81   650.626876.35   650.327122.12  650.1327299.51  651.5527444.27  652.51
27597.95  653.8527901.95   656.828234.61  659.7729370.03  689.1330056.86  689.28
31057.71  757.4131205.24  757.4431843.23  699.3831879.12  699.3933526.92  777.36
 34605.7  769.4434809.87  768.1135173.72  787.8935216.59  787.9435533.59  778.57
 35876.5  788.6336039.98   788.836840.65     790 37560.2   790.237923.05     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514814.79    .1515269.51     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14814.7915269.51                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.11    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.04    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1477490.00   86546.67   1628589.00
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            1477490.00   86546.67   1628589.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3262124.00   276374.60   3191502.00
  Top Width (ft)          31910.27    Top Width (ft)          13564.22     454.72   17891.33
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.21       3.19       1.96
  Max Chl Dpth (ft)         191.87    Hydr. Depth (ft)          108.93     190.33      91.03
  Conv. Total (cfs)       688038600.0    Conv. (cfs)            333501800.0   28255030.0   326281800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13583.76     457.44   17905.85
  Min Ch El (ft)            568.17    Shear (lb/sq ft)            0.65       1.13       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.43       3.61       1.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    184547.00   26903.54   216415.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1703.72     132.93    2110.29


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276796.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  170.67  794.43  555.28  781.95 1169.85  762.69 1324.49  757.61
 1571.47   749.8 1716.31  749.69 2019.19  749.69 2308.32  749.61 3084.87  713.49
 3146.97  710.48 3225.89  710.31 3235.67   710.3 3410.06  719.83 3565.63  719.69
 3689.27  719.54 3822.03  716.36 4146.54  708.68 4542.04  699.54 4836.38  699.43
 4963.03  698.08 5100.85  696.35 5160.14  695.42 5474.24  692.19 5776.84  689.29
 5898.91  689.38 6089.61  688.76 6233.84  688.45 6295.53  688.14    6338  688.14
 6468.33  688.36 6656.82  698.36 6711.39  694.41 6823.57  686.41 7138.46  663.39
 7179.97  660.53 7313.94  645.02 7567.94  614.27 7580.15  612.74  7729.8  610.66
 7849.99  609.45 8070.33  607.85 8221.77  606.32 8380.42  604.11 8541.78  602.31
 8666.77  582.81  8681.7  582.79 8759.42  582.17 8905.25  581.24 8954.93  581.24
 8991.34  581.52 9101.22  611.45 9194.51  612.17 9530.62  611.91 9667.71  602.11
  9716.1  592.38 9900.56  592.2410119.29  611.4410379.58  611.2410930.05  610.93
12197.79  610.9312406.44  601.2412942.82  601.2413355.47  601.5513407.56  601.86
13662.41  601.6413668.46  591.9413760.91  591.0814332.22  585.0314818.58  580.62
14827.65  578.6414859.56  572.77 14867.8  570.9514880.75  568.1715222.35  568.17
15249.14  574.0915274.83  580.6215366.53  609.9515386.17  612.8615632.66  648.87
16087.65  653.9416537.71  658.7118720.99  658.4518840.13  658.4519077.43   658.5
19439.25  648.8720459.11  649.0720725.22  649.3822457.77  649.6922853.12  649.84
23290.64  653.1623963.17  658.6424194.75  660.3125346.99  660.3126003.85  650.62
26286.97  650.6226880.44  650.3127126.19  650.1327303.56  651.5527448.31   652.5
27601.96  653.8327905.94  656.7928238.57  659.7729373.87   689.130060.62  689.26
31061.36  757.3231208.88  757.35 31846.8  699.3631882.69  699.3733530.32  777.27
34608.98  769.3734813.13  768.0535176.95  787.8235219.81  787.8735536.77  778.52
35879.66  788.5836043.12  788.76 36843.7     79037563.17  790.2137925.98     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514818.58    .1515274.83     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14818.5815274.83                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.11    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
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  W.S. Elev (ft)            760.04    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1477572.00   86831.43   1628813.00
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            1477572.00   86831.43   1628813.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3261156.00   277224.30   3191620.00
  Top Width (ft)          31915.24    Top Width (ft)          13567.98     456.25   17891.01
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)           2.21       3.19       1.96
  Max Chl Dpth (ft)         191.87    Hydr. Depth (ft)         108.90     190.32      91.04
  Conv. Total (cfs)       688180000.0    Conv. (cfs)            333471400.0   28347730.0   326360900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13587.49     458.96   17905.51
  Min Ch El (ft)            568.17    Shear (lb/sq ft)           0.65       1.13       0.54
  Alpha                       1.04    Stream Power (lb/ft s)     1.43       3.61       1.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    184377.40   26893.59   216228.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1702.16     132.87    2108.23


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276793.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  170.71  794.42  555.42  781.94 1170.15  762.69 1324.83  757.61
 1571.87   749.8 1716.75  749.68  2019.7  749.68 2308.91  749.59 3085.66  713.51
 3147.78   710.5 3226.72  710.32  3236.5  710.31 3410.93  719.83 3566.54  719.68
 3690.22  719.53 3823.01  716.35  4147.6  708.66  4543.2  699.53 4837.61  699.41
  4964.3  698.06 5102.15  696.32 5161.46  695.39 5475.64  692.15 5778.32  689.27
 5900.42  689.36 6091.17  688.72 6235.43   688.4 6297.15  688.08 6339.62  688.08
 6469.98   688.3 6658.52  698.31 6713.11  694.36 6825.31  686.38 7140.29  663.39
 7181.81  660.55 7315.81  645.08 7569.88  614.36 7582.09  612.83 7731.78  610.73
    7852  609.52  8072.4  607.95 8223.88  606.42 8382.57  604.18 8543.96  602.39
 8668.99   582.9 8683.92  582.88 8761.66  582.24 8907.53  581.28 8957.22  581.28
 8993.65  581.57 9103.55  611.49 9196.86  612.24 9533.06  611.97 9670.19  602.18
 9718.58  592.46 9903.09  592.3110121.88  611.4910382.23  611.2810932.84  610.96
12200.91  610.9612409.62  601.2812946.14  601.2813358.89   601.613410.99  601.92
13665.91  601.6913671.96     59213764.44  591.1414335.88  585.0514822.38  580.64
14831.58  578.6514863.98  572.7914872.33  570.9614885.49  568.1615227.33  568.16
15254.29  574.0915280.14  580.6415371.83  609.9415391.48  612.8615637.94  648.83
16092.89  653.9116542.89  658.6718725.95   658.418845.07   658.419082.35  658.45
19444.13  648.8420463.88  649.0420729.97  649.3622462.33  649.6822857.64  649.83
23295.12  653.1623967.57  658.6524199.13  660.3225351.25  660.3226008.04  650.64
26291.12  650.6426884.54  650.3227130.26  650.1327307.61  651.5427452.34  652.48
27605.99  653.8227909.93  656.7928242.52  659.76 29377.7  689.0730064.39  689.23
31065.02  757.2331212.52  757.2731850.38  699.3431886.26  699.3533533.71  777.18
34612.27   769.334816.39  767.9935180.17  787.7535223.03   787.835539.96  778.48
 35882.8  788.5436046.25  788.7236846.75     79037566.14  790.2137928.92     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514822.38     .1515280.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14822.3815280.14                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.11    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.04    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1477668.00   87115.58   1629045.00
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            1477668.00   87115.58   1629045.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3260228.00   278071.10   3191701.00
  Top Width (ft)          31919.90    Top Width (ft)          13571.45     457.76   17890.70
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)           2.21       3.19       1.96
  Max Chl Dpth (ft)         191.88    Hydr. Depth (ft)         108.88     190.31      91.06
  Conv. Total (cfs)       688334700.0    Conv. (cfs)            333451500.0   28440710.0   326442600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13590.92     460.45   17905.17
  Min Ch El (ft)            568.16    Shear (lb/sq ft)           0.65       1.13       0.54
  Alpha                       1.04    Stream Power (lb/ft s)     1.43       3.60       1.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    184207.80   26883.61   216041.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1700.61     132.82    2106.18


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276790.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  170.76  794.42  555.56  781.93 1170.44  762.69 1325.17   757.6
 1572.27  749.79 1717.19  749.67 2020.22  749.67  2309.5  749.58 3086.45  713.52
 3148.58  710.51 3227.54  710.33 3237.33  710.32  3411.8  719.82 3567.45  719.67
 3691.16  719.51 3823.99  716.33 4148.67  708.64 4544.37  699.51 4838.85  699.39
 4965.57  698.04 5103.46  696.29 5162.78  695.35 5477.04  692.12  5779.8  689.25
 5901.93  689.34 6092.73  688.68 6237.03  688.35 6298.76  688.02 6341.25  688.02
 6471.64  688.25 6660.23  698.25 6714.83  694.32 6827.06  686.35 7142.12   663.4
 7183.65  660.56 7317.69  645.13 7571.82  614.44 7584.03  612.92 7733.75  610.81
 7854.01   609.6 8074.47  608.04 8225.98  606.52 8384.71  604.26 8546.15  602.46
 8671.21  582.99 8686.14  582.97 8763.91  582.31 8909.81  581.32 8959.51  581.32
 8995.95  581.62 9105.88  611.54 9199.22  612.31  9535.5  612.03 9672.66  602.24
 9721.07  592.53 9905.63  592.3810124.48  611.5410384.89  611.3210935.64  610.99
12204.03  610.9912412.79  601.3212949.45  601.3213362.31  601.6513414.42  601.98
 13669.4  601.7413675.45  592.0713767.96   591.214339.55  585.0814826.17  580.66
14835.51  578.6714868.39  572.8114876.87  570.9714890.22  568.1615232.31  568.16
15259.44  574.0815285.46  580.6615377.14  609.9415396.78  612.8615643.22   648.8
16098.12  653.8716548.08  658.62 18730.9  658.3518850.02  658.3519087.27   658.4
19449.01   648.820468.65  649.0120734.71  649.3422466.89  649.6722862.16  649.83
23299.59  653.1523971.98  658.6624203.51  660.3325355.51  660.3326012.23  650.66
26295.29  650.6626888.63  650.3327134.33  650.1427311.66  651.5427456.38  652.47
27610.01  653.8127913.92  656.7828246.47  659.7529381.53  689.0430068.15  689.21
31068.68  757.1531216.17  757.1831853.95  699.3231889.83  699.3333537.11  777.09
34615.55  769.2334819.66  767.9235183.39  787.6835226.25  787.7335543.14  778.43
35885.96  788.4936049.39  788.68 36849.8     79037569.11  790.2237931.86     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514826.17     .1515285.46     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14826.1715285.46                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.11    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.04    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1477767.00   87399.89   1629285.00
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            1477767.00   87399.89   1629285.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3259286.00   278911.60   3191803.00
  Top Width (ft)          31924.74    Top Width (ft)          13575.06     459.29   17890.38
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.21       3.19       1.96
  Max Chl Dpth (ft)         191.88    Hydr. Depth (ft)          108.86     190.29      91.07
  Conv. Total (cfs)       688490200.0    Conv. (cfs)            333430400.0   28533120.0   326526700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13594.50     461.97   17904.84
  Min Ch El (ft)            568.16    Shear (lb/sq ft)            0.65       1.13       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.43       3.60       1.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    184038.20   26873.59   215854.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1699.05     132.77    2104.13


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276787.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   170.8  794.41   555.7  781.91 1170.74  762.68 1325.51  757.59
 1572.68  749.79 1717.63  749.66 2020.74  749.66 2310.09  749.57 3087.24  713.54
 3149.39  710.53 3228.37  710.34 3238.16  710.33 3412.68  719.82 3568.36  719.66
 3692.11   719.5 3824.97  716.31 4149.73  708.62 4545.53   699.5 4840.09  699.37
 4966.84  698.02 5104.77  696.26  5164.1  695.31 5478.44  692.09 5781.27  689.22
 5903.44  689.32 6094.29  688.64 6238.62   688.3 6300.37  687.96 6342.87  687.96
 6473.29   688.2 6661.93   698.2 6716.54  694.27 6828.81  686.32 7143.95  663.41
 7185.49  660.58 7319.56  645.19 7573.75  614.53 7585.97  613.01 7735.73  610.88
 7856.02  609.67 8076.53  608.14 8228.09  606.61 8386.86  604.34 8548.34  602.54
 8673.42  583.08 8688.37  583.06 8766.15  582.38 8912.09  581.36 8961.81  581.36
 8998.25  581.67 9108.21  611.59 9201.57  612.38 9537.94  612.09 9675.14  602.31
 9723.56  592.61 9908.16  592.4510127.07  611.5810387.55  611.3610938.44  611.02
12207.15  611.0212415.97  601.3612952.76  601.3613365.73   601.713417.85  602.04
 13672.9  601.7913678.95  592.1313771.48  591.2614343.22  585.1114829.96  580.68
14839.44  578.68 14872.8  572.8314881.41  570.9814894.96  568.1615237.29  568.16
 15264.6  574.0815290.78  580.6815382.45  609.9415402.09  612.85 15648.5  648.76
16103.35  653.8416553.26  658.5818735.86   658.318854.96   658.319092.18  658.35
19453.89  648.7720473.42  648.9820739.46  649.3222471.46  649.6622866.68  649.82
23304.06  653.1523976.38  658.6724207.88  660.3425359.77  660.3426016.42  650.68
26299.44  650.6826892.73  650.34 27138.4  650.1427315.71  651.5427460.42  652.46
27614.03  653.7927917.91  656.7728250.43  659.7429385.37  689.0130071.91  689.19
31072.33  757.0631219.81   757.131857.53   699.3 31893.4  699.3133540.51  777.01
34618.83  769.1634822.92  767.8635186.62  787.6135229.46  787.6635546.33  778.38
35889.11  788.4536052.52  788.6436852.85     79037572.09  790.2337934.79     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514829.96     .1515290.78     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14829.9615290.78                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.11    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.04    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1477854.00   87684.16   1629505.00
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            1477854.00   87684.16   1629505.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3258329.00   279756.20   3191915.00
  Top Width (ft)          31929.55    Top Width (ft)          13578.82     460.82   17889.91
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.20       3.19       1.96
  Max Chl Dpth (ft)         191.88    Hydr. Depth (ft)          108.84     190.28      91.09
  Conv. Total (cfs)       688633700.0    Conv. (cfs)            333402000.0   28625490.0   326606300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13598.22     463.48   17904.34
  Min Ch El (ft)            568.16    Shear (lb/sq ft)            0.65       1.13       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.43       3.60       1.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    183868.60   26863.54   215667.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1697.49     132.72    2102.07


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276784.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   170.84  794.41   555.84   781.9 1171.04  762.68 1325.85  757.58
 1573.08  749.78 1718.07  749.65 2021.25  749.65 2310.68  749.56 3088.03  713.56
 3150.19  710.55 3229.19  710.35 3238.99  710.34 3413.55  719.81 3569.28  719.65
 3693.05  719.48 3825.94   716.3 4150.79   708.6 4546.69  699.48 4841.33  699.35
 4968.11     698 5106.07  696.24 5165.43  695.28 5479.84  692.05 5782.75   689.2
 5904.95   689.3 6095.84   688.6 6240.22  688.25 6301.98   687.9 6344.49   687.9
 6474.95  688.14 6663.64  698.15 6718.26  694.22 6830.55   686.3 7145.77  663.41
 7187.32   660.6 7321.43  645.25 7575.69  614.62 7587.91   613.1 7737.71  610.95
 7858.02  609.74  8078.6  608.23 8230.19  606.71    8389  604.42 8550.52  602.61
 8675.64  583.17 8690.59  583.15 8768.39  582.45 8914.37   581.4  8964.1   581.4
 9000.55  581.72 9110.54  611.63 9203.92  612.45 9540.38  612.15 9677.61  602.38
 9726.04  592.69  9910.7  592.5210129.66  611.6310390.21   611.410941.24  611.05
12210.28  611.0512419.15   601.412956.07   601.413369.15  601.7513421.28   602.1
 13676.4  601.8513682.45  592.19   13775  591.3214346.89  585.1314833.75   580.7
14843.37  578.6914877.22  572.8414885.95  570.9914899.69  568.1615242.26  568.16
15269.75  574.0815296.09   580.715387.76  609.9415407.39  612.8515653.78  648.72
16108.58   653.816558.45  658.5418740.81  658.25 18859.9  658.25 19097.1   658.3
19458.77  648.7320478.19  648.95 20744.2   649.322476.02  649.65 22871.2  649.82
23308.54  653.1523980.79  658.6824212.26  660.3525364.02  660.3526020.61   650.7
 26303.6   650.726896.83  650.3527142.47  650.1527319.77  651.5427464.46  652.44
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27618.05  653.78 27921.9  656.7628254.38  659.74 29389.2  688.9830075.67  689.16
31075.99  756.9731223.45  757.01 31861.1  699.2831896.97  699.29 33543.9  776.92
34622.12  769.0934826.18   767.835189.84  787.5435232.68   787.635549.52  778.33
35892.26   788.436055.65   788.636855.89     79037575.06  790.2337937.73     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514833.75     .1515296.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14833.7515296.09                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.11    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.04    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1477950.00   87966.55   1629740.00
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            1477950.00   87966.55   1629740.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3257392.00   280591.20   3192018.00
  Top Width (ft)          31934.38    Top Width (ft)          13582.43     462.34   17889.60
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.20       3.19       1.96
  Max Chl Dpth (ft)         191.88    Hydr. Depth (ft)          108.81     190.26      91.10
  Conv. Total (cfs)       688785600.0    Conv. (cfs)            333379600.0   28717260.0   326688800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13601.81     464.98   17904.01
  Min Ch El (ft)            568.16    Shear (lb/sq ft)            0.65       1.13       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.43       3.60       1.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    183698.90   26853.46   215480.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1695.93     132.66    2100.02


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276781.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  170.89  794.41  555.99  781.89 1171.34  762.68 1326.19  757.58
 1573.48  749.77  1718.5  749.64 2021.77  749.64 2311.27  749.54 3088.82  713.58
    3151  710.56 3230.02  710.36 3239.82  710.35 3414.42   719.8 3570.19  719.64
    3694  719.47 3826.92  716.28 4151.85  708.58 4547.85  699.47 4842.57  699.34
 4969.38  697.98 5107.38  696.21 5166.75  695.24 5481.24  692.02 5784.23  689.18
 5906.46  689.28  6097.4  688.56 6241.81   688.2 6303.59  687.84 6346.11  687.84
  6476.6  688.09 6665.34  698.09 6719.98  694.18  6832.3  686.27  7147.6  663.42
 7189.16  660.62  7323.3   645.3 7577.63  614.71 7589.85  613.19 7739.69  611.02
 7860.03  609.81 8080.66  608.33  8232.3  606.81 8391.15   604.5 8552.71  602.69
 8677.86  583.26 8692.81  583.24 8770.63  582.52 8916.65  581.44 8966.39  581.44
 9002.85  581.77 9112.86  611.68 9206.28  612.52 9542.82  612.21 9680.08  602.45
 9728.53  592.76 9913.23   592.610132.25  611.6810392.86  611.4410944.04  611.08
 12213.4  611.0812422.32  601.4412959.39  601.4413372.57   601.813424.72  602.16
13679.89   601.913685.95  592.2513778.53  591.3914350.56  585.1614837.55  580.72
 14847.3   578.714881.63  572.8614890.49     57114904.42  568.1615247.24  568.16
 15274.9  574.0715301.41  580.7215393.06  609.94 15412.7  612.8515659.06  648.69
16113.81  653.7716563.63   658.518745.76   658.218864.84   658.219102.02  658.25
19463.65  648.6920482.96  648.9220748.94  649.2822480.58  649.6422875.72  649.81
23313.01  653.1423985.19   658.724216.64  660.3625368.28  660.3626024.79  650.72
26307.76  650.7226900.93  650.3627146.54  650.1527323.82  651.5427468.49  652.43
27622.07  653.7627925.88  656.7628258.33  659.7329393.04  688.9530079.44  689.14
31079.65  756.8931227.09  756.9331864.67  699.2631900.54  699.27 33547.3  776.83
 34625.4  769.0134829.45  767.7435193.07  787.4735235.91  787.53 35552.7  778.28
35895.41  788.3536058.79  788.5636858.95     79037578.04  790.2437940.66     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514837.55     .1515301.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14837.5515301.41                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.11    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.03    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1478035.00   88249.23   1629960.00
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            1478035.00   88249.23   1629960.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3256470.00   281429.10   3192102.00
  Top Width (ft)          31939.05    Top Width (ft)          13585.90     463.86   17889.30
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.20       3.19       1.96
  Max Chl Dpth (ft)         191.87    Hydr. Depth (ft)          108.79     190.25      91.11
  Conv. Total (cfs)       688931000.0    Conv. (cfs)            333355600.0   28809100.0   326766400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13605.24     466.49   17903.69
  Min Ch El (ft)            568.16    Shear (lb/sq ft)            0.65       1.13       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.43       3.59       1.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    183529.30   26843.35   215293.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1694.37     132.61    2097.97


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276779.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  170.93   794.4  556.13  781.88 1171.64  762.68 1326.52  757.57
 1573.88  749.77 1718.94  749.63 2022.29  749.63 2311.86  749.53 3089.61  713.59
  3151.8  710.58 3230.84  710.37 3240.64  710.36  3415.3   719.8  3571.1  719.63
 3694.94  719.45  3827.9  716.26 4152.91  708.56 4549.02  699.45  4843.8  699.32
 4970.65  697.96 5108.68  696.18 5168.07   695.2 5482.65  691.99 5785.71  689.15
 5907.97  689.26 6098.96  688.52 6243.41  688.15  6305.2  687.78 6347.73  687.78
 6478.26  688.04 6667.04  698.04  6721.7  694.13 6834.05  686.24 7149.43  663.43
    7191  660.63 7325.17  645.36 7579.56   614.8 7591.79  613.27 7741.67  611.09
 7862.04  609.89 8082.73  608.42  8234.4   606.9 8393.29  604.58  8554.9  602.76
 8680.08  583.35 8695.03  583.33 8772.87  582.59 8918.93  581.48 8968.68  581.48
 9005.15  581.82 9115.19  611.73 9208.63  612.59 9545.26  612.28 9682.56  602.52
 9731.02  592.84 9915.76  592.6710134.84  611.7210395.52  611.4810946.83  611.11
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12216.52  611.11 12425.5  601.48 12962.7  601.4813375.99  601.8513428.15  602.22
13683.39  601.9513689.45  592.3213782.05  591.4514354.23  585.1814841.34  580.74
14851.23  578.7114886.04  572.8814895.02     57114909.16  568.1615252.22  568.16
15280.05  574.0715306.73  580.7415398.37  609.93   15418  612.8415664.34  648.65
16119.04  653.7316568.81  658.4618750.72  658.1518869.79  658.1519106.93   658.2
19468.53  648.6620487.74  648.8920753.69  649.2622485.14  649.6322880.24  649.81
23317.48  653.1423989.59  658.7124221.02  660.3725372.54  660.3726028.98  650.74
26311.92  650.7426905.02  650.3727150.62  650.1627327.87  651.5427472.53  652.42
27626.09  653.7527929.87  656.7528262.29  659.7229396.87  688.93 30083.2  689.11
 31083.3   756.831230.73  756.8431868.25  699.2431904.11  699.25 33550.7  776.74
34628.68  768.9434832.71  767.6735196.29   787.435239.12  787.4635555.89  778.24
35898.56  788.3136061.92  788.5236861.99     79037581.01  790.2537943.59     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514841.34     .1515306.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14841.3415306.73                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.11    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.03    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1478135.00   88533.48   1630185.00
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            1478135.00   88533.48   1630185.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3255555.00   282269.20   3192176.00
  Top Width (ft)          31943.90    Top Width (ft)          13589.51     465.39   17888.99
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.20       3.19       1.96
  Max Chl Dpth (ft)         191.87    Hydr. Depth (ft)          108.77     190.23      91.13
  Conv. Total (cfs)       689081700.0    Conv. (cfs)            333334800.0   28901410.0   326845500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13608.81     468.00   17903.36
  Min Ch El (ft)            568.16    Shear (lb/sq ft)            0.65       1.13       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.42       3.59       1.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    183359.60   26833.20   215106.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1692.81     132.56    2095.91


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276776.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  170.98   794.4  556.27  781.86 1171.94  762.67 1326.86  757.56
 1574.29  749.76 1719.38  749.62  2022.8  749.62 2312.45  749.52  3090.4  713.61
 3152.61  710.59 3231.67  710.38 3241.47  710.37 3416.17  719.79 3572.02  719.62
 3695.88  719.44 3828.88  716.24 4153.97  708.54 4550.18  699.44 4845.04   699.3
 4971.92  697.94 5109.99  696.15 5169.39  695.17 5484.05  691.96 5787.19  689.13
 5909.48  689.24 6100.52  688.48 6245.01   688.1 6306.81  687.72 6349.36  687.72
 6479.91  687.99 6668.75  697.99 6723.42  694.09 6835.79  686.22 7151.25  663.43
 7192.84  660.65 7327.05  645.42  7581.5  614.89 7593.73  613.36 7743.65  611.16
 7864.05  609.96 8084.79  608.52  8236.5     607 8395.44  604.65 8557.08  602.84
  8682.3  583.44 8697.25  583.42 8775.12  582.66 8921.21  581.52 8970.98  581.52
 9007.46  581.87 9117.52  611.77 9210.98  612.66  9547.7  612.34 9685.03  602.58
  9733.5  592.92  9918.3  592.7410137.43  611.7710398.18  611.5210949.63  611.14
12219.64  611.1412428.67  601.5212966.01  601.52 13379.4   601.913431.58  602.28
13686.89  602.0113692.95  592.3813785.57  591.51 14357.9  585.2114845.13  580.76
14855.16  578.7314890.46   572.914899.56  571.0114913.89  568.16 15257.2  568.16
 15285.2  574.0615312.05  580.7615403.68  609.9315423.31  612.8415669.62  648.61
16124.28   653.7   16574  658.4218755.67   658.118874.73   658.119111.85  658.16
 19473.4  648.6220492.51  648.8620758.43  649.24 22489.7  649.6222884.76   649.8
23321.96  653.1423993.99  658.72 24225.4  660.38 25376.8  660.3826033.17  650.76
26316.08  650.7626909.12  650.3827154.69  650.1627331.92  651.5327476.57  652.41
27630.11  653.7327933.86  656.7428266.24  659.7129400.71   688.930086.96  689.09
31086.96  756.7131234.37  756.7631871.82  699.2231907.68  699.2333554.09  776.65
34631.97  768.8734835.97  767.6135199.52  787.3335242.34  787.3935559.08  778.19
35901.71  788.2636065.05  788.4836865.04     79037583.98  790.2537946.53     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514845.13     .1515312.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14845.1315312.05                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.11    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.03    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1478218.00   88817.44   1630415.00
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            1478218.00   88817.44   1630415.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3254588.00   283110.30   3192302.00
  Top Width (ft)          31948.88    Top Width (ft)          13593.27     466.92   17888.68
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.20       3.19       1.96
  Max Chl Dpth (ft)         191.87    Hydr. Depth (ft)          108.75     190.22      91.14
  Conv. Total (cfs)       689224800.0    Conv. (cfs)            333305100.0   28993560.0   326926200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13612.55     469.51   17903.03
  Min Ch El (ft)            568.16    Shear (lb/sq ft)            0.65       1.13       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.42       3.59       1.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    183189.90   26823.02   214919.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1691.25     132.50    2093.86


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276773.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  171.02  794.39  556.41  781.85 1172.24  762.67  1327.2  757.55
 1574.69  749.75 1719.82  749.61 2023.32  749.61 2313.04   749.5 3091.18  713.63
 3153.41  710.61  3232.5  710.39  3242.3  710.38 3417.04  719.79 3572.93  719.61
 3696.83  719.42 3829.86  716.23 4155.03  708.52 4551.34  699.42 4846.28  699.28
```

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 4973.19  697.93 5111.29  696.13 5170.71  695.13 5485.45  691.92 5788.67  689.11
 5910.99  689.22 6102.08  688.44  6246.6  688.05 6308.43  687.66 6350.98  687.66
 6481.57  687.93 6670.45  697.94 6725.13  694.04 6837.54  686.19 7153.08  663.44
 7194.67  660.67 7328.92  645.47 7583.44  614.98 7595.67  613.45 7745.63  611.23
 7866.06  610.03 8086.86  608.61 8238.61   607.1 8397.58  604.73 8559.27  602.91
 8684.52  583.53 8699.48  583.51 8777.36  582.73 8923.49  581.56 8973.27  581.56
 9009.76  581.92 9119.85  611.82 9213.34  612.73 9550.14   612.4 9687.51  602.65
 9735.99      593 9920.83  592.8110140.02  611.8210400.83  611.5610952.43  611.17
12222.76  611.1712431.85  601.5612969.33  601.5613382.82  601.9513435.01  602.34
13690.39  602.0613696.45  592.4413789.09  591.5714361.56  585.2314848.93  580.78
14859.09  578.7414894.87  572.92 14904.1  571.0214918.63  568.1615262.18  568.16
15290.35  574.0615317.36  580.7815408.99  609.9315428.62  612.84 15674.9  648.58
16129.51  653.6616579.18  658.3718760.63  658.0518879.67  658.0519116.77  658.11
19478.28  648.5820497.28  648.8320763.17  649.2222494.26  649.6122889.28   649.8
23326.43  653.13 23998.4  658.7324229.78  660.3925381.05  660.3926037.36  650.78
26320.24  650.7826913.21  650.3927158.76  650.1627335.97  651.53 27480.6  652.39
27634.13  653.7227937.85  656.74 28270.2  659.7129404.54  688.8730090.72  689.07
31090.62  756.6331238.01  756.67 31875.4   699.231911.25  699.2133557.49  776.57
34635.25   768.834839.23  767.5535202.74  787.2635245.56  787.3235562.27  778.14
35904.86  788.2236068.18  788.4436868.09     79037586.95  790.2637949.46     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514848.93     .1515317.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14848.9315317.36                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.10    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.03    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1478322.00   89097.96   1630645.00
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            1478322.00   89097.96   1630645.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3253670.00   283935.70   3192394.00
  Top Width (ft)          31953.55    Top Width (ft)          13596.89     468.43   17888.23
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.20       3.19       1.96
  Max Chl Dpth (ft)         191.87    Hydr. Depth (ft)          108.73     190.21      91.16
  Conv. Total (cfs)       689379100.0    Conv. (cfs)            333285600.0   29084590.0   327008900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13616.13     471.01   17902.55
  Min Ch El (ft)            568.16    Shear (lb/sq ft)            0.65       1.13       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.42       3.59       1.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    183020.30   26812.81   214732.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1689.69     132.45    2091.81


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276770.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  171.06  794.39  556.56  781.84 1172.54  762.67 1327.54  757.54
 1575.09  749.75 1720.26   749.6 2023.84   749.6 2313.63  749.49 3091.97  713.64
 3154.22  710.62 3233.32   710.4 3243.13  710.39 3417.91  719.78 3573.84   719.6
 3697.77  719.41 3830.84  716.21  4156.1   708.5  4552.5  699.41 4847.52  699.26
 4974.46  697.91  5112.6   696.1 5172.03   695.1 5486.85  691.89 5790.15  689.09
  5912.5   689.2 6103.64   688.4  6248.2     688 6310.04   687.6  6352.6   687.6
 6483.23  687.88 6672.16  697.88 6726.85  693.99 6839.29  686.16 7154.91  663.45
 7196.51  660.68 7330.79  645.53 7585.38  615.06 7597.61  613.54  7747.6  611.31
 7868.07  610.11 8088.93  608.71 8240.71  607.19 8399.73  604.81 8561.46  602.99
 8686.73  583.62  8701.7   583.6  8779.6   582.8 8925.77   581.6 8975.56   581.6
 9012.06  581.96 9122.18  611.87 9215.69   612.8 9552.58  612.46 9689.98  602.72
 9738.48  593.07 9923.37  592.8910142.61  611.8610403.49   611.610955.23   611.2
12225.89   611.212435.02   601.612972.64   601.613386.24     60213438.44   602.4
13693.88  602.1113699.94   592.513792.61  591.6314365.23  585.2614852.72   580.8
14863.02  578.7514899.28  572.9314908.64  571.0314923.36  568.1615267.16  568.16
 15295.5  574.0615322.68   580.815414.29  609.9315433.92  612.8315680.17  648.54
16134.74  653.6316584.37  658.3318765.58     65818884.61     65819121.69  658.06
19483.16  648.5520502.05   648.820767.92   649.222498.82   649.6 22893.8  649.79
23330.91  653.13 24002.8  658.7424234.16   660.425385.31   660.426041.55   650.8
 26324.4   650.826917.31   650.427162.83  650.1727340.03  651.5327484.64  652.38
27638.15  653.7127941.84  656.7328274.15   659.729408.37  688.8430094.48  689.04
31094.28  756.5431241.65  756.5931878.97  699.1831914.82  699.1933560.89  776.48
34638.54  768.7334842.49  767.4835205.96  787.1935248.79  787.2535565.45  778.09
35908.01  788.1736071.32   788.436871.14     79037589.93  790.27 37952.4     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514852.72     .1515322.68     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14852.7215322.68                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.10    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.03    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1478410.00   89382.07   1630874.00
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            1478410.00   89382.07   1630874.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3252727.00   284775.30   3192498.00
  Top Width (ft)          31958.40    Top Width (ft)          13600.50     469.96   17887.93
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.20       3.19       1.96
  Max Chl Dpth (ft)         191.87    Hydr. Depth (ft)          108.70     190.19      91.17
  Conv. Total (cfs)       689526400.0    Conv. (cfs)            333260200.0   29176830.0   327089400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13619.71     472.53   17902.23
  Min Ch El (ft)            568.16    Shear (lb/sq ft)            0.65       1.12       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.42       3.58       1.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    182850.60   26802.57   214545.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1688.13     132.39    2089.75


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276767.*
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INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  171.11  794.38   556.7  781.83 1172.84  762.66 1327.88  757.54
 1575.49  749.74  1720.7  749.59 2024.35  749.59 2314.22  749.48 3092.76  713.66
 3155.03  710.64 3234.15  710.41 3243.96   710.4 3418.79  719.78 3574.75  719.59
 3698.72  719.39 3831.81  716.19 4157.16  708.49 4553.67  699.39 4848.76  699.24
 4975.73  697.89 5113.91  696.07 5173.35  695.06 5488.25  691.86 5791.62  689.06
 5914.01  689.18  6105.2  688.36 6249.79  687.95 6311.65  687.54 6354.22  687.54
 6484.88  687.83 6673.86  697.83 6728.57  693.95 6841.03  686.13 7156.74  663.45
 7198.35   660.7 7332.66  645.59 7587.31  615.15 7599.55  613.63 7749.58  611.38
 7870.08  610.18 8090.99   608.8 8242.82  607.29 8401.88  604.89 8563.64  603.06
 8688.95  583.71 8703.92  583.69 8781.84  582.87 8928.05  581.64 8977.85  581.64
 9014.36  582.01 9124.51  611.91 9218.04  612.87 9555.02  612.52 9692.46  602.79
 9740.96  593.15  9925.9  592.96 10145.2  611.9110406.15  611.6410958.02  611.23
12229.01  611.23 12438.2  601.6412975.95  601.6413389.66  602.0513441.88  602.46
13697.38  602.1613703.44  592.5713796.14  591.69 14368.9  585.2914856.51  580.82
14866.95  578.76 14903.7  572.9514913.17  571.0414928.09  568.1515272.14  568.15
15300.66  574.05   15328  580.82 15419.6  609.9315439.23  612.8315685.45   648.5
16139.97  653.5916589.55  658.2918770.54  657.9518889.55  657.95 19126.6  658.01
19488.04  648.5120506.82  648.7720772.66  649.1822503.39  649.5922898.32  649.78
23335.38  653.1324007.21  658.7524238.54  660.4125389.57  660.4126045.74  650.82
26328.56  650.8226921.41  650.41 27166.9  650.1727344.08  651.5327488.68  652.37
27642.17  653.6927945.83  656.72 28278.1  659.6929412.21  688.8130098.25  689.02
31097.93  756.46 31245.3   756.531882.54  699.1631918.39  699.1733564.29  776.39
34641.82  768.6634845.76  767.4235209.19  787.12   35252  787.1835568.64  778.05
35911.16  788.1336074.45  788.3636874.19     790 37592.9  790.2737955.34     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514856.51     .15   15328     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14856.51   15328                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.10    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.03    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1478498.00   89670.06   1631108.00
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            1478498.00   89670.06   1631108.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3251770.00   285631.00   3192599.00
  Top Width (ft)          31963.23    Top Width (ft)          13604.11     471.49   17887.64
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.20       3.19       1.96
  Max Chl Dpth (ft)         191.88    Hydr. Depth (ft)          108.68     190.18      91.19
  Conv. Total (cfs)       689677400.0    Conv. (cfs)            333235100.0   29270920.0   327171400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13623.27     474.05   17901.92
  Min Ch El (ft)            568.15    Shear (lb/sq ft)            0.65       1.12       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.42       3.58       1.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    182680.90   26792.29   214357.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1686.57     132.34    2087.70


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276764.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  171.15  794.38  556.84  781.81 1173.14  762.66 1328.22  757.53
 1575.89  749.74 1721.14  749.58 2024.87  749.58 2314.82  749.47 3093.55  713.68
 3155.83  710.66 3234.97  710.42 3244.78  710.41 3419.66  719.77 3575.67  719.58
 3699.66  719.38 3832.79  716.18 4158.22  708.47 4554.83  699.38 4849.99  699.23
    4977  697.87 5115.21  696.05 5174.67  695.02 5489.65  691.82  5793.1  689.04
 5915.52  689.16 6106.75  688.32 6251.39   687.9 6313.26  687.48 6355.85  687.48
 6486.54  687.77 6675.56  697.78 6730.29   693.9 6842.78  686.11 7158.56  663.46
 7200.19  660.72 7334.53  645.64 7589.25  615.24 7601.49  613.72 7751.56  611.45
 7872.09  610.25 8093.06   608.9 8244.92  607.39 8404.02  604.97 8565.83  603.14
 8691.17   583.8 8706.14  583.78 8784.08  582.94 8930.33  581.68 8980.14  581.68
 9016.66  582.06 9126.84  611.96  9220.4  612.94 9557.46  612.58 9694.93  602.86
 9743.45  593.23 9928.44  593.0310147.79  611.96 10408.8  611.6810960.82  611.26
12232.13  611.2612441.37  601.6812979.26  601.6813393.08   602.113445.31  602.52
13700.88  602.2213706.94  592.6313799.66  591.7514372.57  585.3114860.31  580.84
14870.88  578.7714908.11  572.9714917.71  571.0514932.83  568.1515277.12  568.15
15305.81  574.0515333.31  580.8415424.91  609.9315444.53  612.8315690.73  648.47
 16145.2  653.5616594.74  658.2518775.49   657.918894.49   657.919131.52  657.96
19492.92  648.48 20511.6  648.74 20777.4  649.1622507.95  649.5822902.84  649.78
23339.86  653.1224011.61  658.7724242.92  660.4225393.83  660.4226049.93  650.84
26332.71  650.84 26925.5  650.4227170.97  650.1827348.13  651.5327492.71  652.35
27646.19  653.6827949.82  656.7228282.06  659.6829416.04  688.7830102.01     689
31101.59  756.3731248.94  756.4131886.12  699.1331921.96  699.1533567.68   776.3
34645.11  768.5834849.02  767.3635212.41  787.0535255.22  787.1135571.82     778
35914.31  788.0836077.58  788.3236877.24     79037595.87  790.2837958.27     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514860.31     .1515333.31     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14860.3115333.31                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.10    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.03    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1478583.00   89950.32   1631328.00
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            1478583.00   89950.32   1631328.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3250842.00   286459.00   3192699.00
  Top Width (ft)          31968.08    Top Width (ft)          13607.72     473.00   17887.35
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.20       3.18       1.96
  Max Chl Dpth (ft)         191.88    Hydr. Depth (ft)          108.66     190.17      91.20
  Conv. Total (cfs)       689819100.0    Conv. (cfs)            333208500.0   29361800.0   327248800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13626.87     475.54   17901.61
  Min Ch El (ft)            568.15    Shear (lb/sq ft)            0.64       1.12       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.42       3.58       1.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    182511.10   26781.98   214170.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1685.01     132.29    2085.65
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CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276761.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  171.19  794.37  556.98   781.8 1173.44  762.66 1328.56  757.52
  1576.3  749.73 1721.58  749.57 2025.39  749.57 2315.41  749.45 3094.34  713.69
 3156.64  710.67  3235.8  710.43 3245.61  710.42 3420.53  719.77 3576.58  719.57
 3700.61  719.36 3833.77  716.16 4159.28  708.45 4555.99  699.36 4851.23  699.21
 4978.28  697.85 5116.52  696.02 5175.99  694.99 5491.05  691.79 5794.58  689.02
 5917.03  689.14 6108.31  688.28 6252.98  687.85 6314.87  687.42 6357.47  687.42
 6488.19  687.72 6677.27  697.72    6732  693.86 6844.53  686.08 7160.39  663.47
 7202.03  660.74 7336.41   645.7 7591.19  615.33 7603.43  613.81 7753.54  611.52
  7874.1  610.32 8095.12  608.99 8247.03  607.48 8406.17  605.05 8568.01  603.21
 8693.39  583.89 8708.37  583.87 8786.33  583.01 8932.61  581.72 8982.44  581.72
 9018.96  582.11 9129.17  612.01 9222.75  613.01  9559.9  612.64 9697.41  602.92
 9745.94   593.3 9930.97   593.110150.38     61210411.46  611.7210963.62  611.29
12235.25  611.2912444.55  601.7212982.58  601.72 13396.5  602.1513448.74  602.58
13704.37  602.2713710.44  592.6913803.18  591.8114376.24  585.34 14864.1  580.86
14874.81  578.7814912.52  572.9914922.25  571.0614937.56  568.15 15282.1  568.15
15310.96  574.0415338.63  580.8615430.22  609.9215449.84  612.8315696.01  648.43
16150.43  653.5216599.92  658.2118780.45  657.8518899.44  657.8519136.44  657.91
 19497.8  648.4420516.37  648.7120782.15  649.1422512.51  649.5722907.36  649.77
23344.33  653.1224016.01  658.78 24247.3  660.4325398.09  660.4326054.12  650.86
26336.88  650.86 26929.6  650.4327175.04  650.1827352.18  651.5327496.75  652.34
27650.21  653.66 27953.8  656.7128286.01  659.6829419.88  688.7530105.77  688.97
31105.25  756.2831252.58  756.33 31889.7  699.1131925.53  699.1333571.08  776.21
34648.39  768.5134852.28   767.335215.64  786.9835258.44  787.0535575.01  777.95
35917.46  788.0336080.71  788.2836880.29     79037598.84  790.29 37961.2     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 14864.1     .1515338.63     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       14864.115338.63                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.10    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.03    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1478686.00   90234.59   1631565.00
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            1478686.00   90234.59   1631565.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3249918.00   287293.70   3192789.00
  Top Width (ft)          31972.93    Top Width (ft)          13611.33     474.53   17887.06
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.20       3.18       1.96
  Max Chl Dpth (ft)         191.88    Hydr. Depth (ft)          108.64     190.16      91.21
  Conv. Total (cfs)       689974800.0    Conv. (cfs)            333189000.0   29454000.0   327331900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13630.44     477.06   17901.29
  Min Ch El (ft)            568.15    Shear (lb/sq ft)            0.64       1.12       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.42       3.58       1.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    182341.40   26771.64   213983.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1683.44     132.23    2083.59


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276758.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  171.24  794.37  557.12  781.79 1173.74  762.66  1328.9  757.51
  1576.7  749.72 1722.02  749.56 2025.91  749.56    2316  749.44 3095.13  713.71
 3157.44  710.69 3236.62  710.44 3246.44  710.43 3421.41  719.76 3577.49  719.56
 3701.55  719.35 3834.75  716.14 4160.34  708.43 4557.15  699.35 4852.47  699.19
 4979.55  697.83 5117.82  695.99 5177.31  694.95 5492.45  691.76 5796.06  688.99
 5918.54  689.12 6109.87  688.24 6254.58   687.8 6316.48  687.36 6359.09  687.36
 6489.85  687.67 6678.97  697.67 6733.72  693.81 6846.27  686.05 7162.22  663.47
 7203.86  660.75 7338.28  645.76 7593.12  615.42 7605.37  613.89 7755.52  611.59
 7876.11   610.4 8097.19  609.09 8249.13  607.58 8408.31  605.12  8570.2  603.28
 8695.61  583.98 8710.59  583.96 8788.57  583.08 8934.88  581.76 8984.73  581.76
 9021.26  582.16  9131.5  612.05  9225.1  613.08 9562.34  612.71 9699.88  602.99
 9748.43  593.38  9933.5  593.1710152.97  612.0510414.12  611.7610966.42  611.32
12238.38  611.3212447.73  601.7612985.89  601.7613399.92   602.213452.17  602.64
13707.87  602.3213713.94  592.76 13806.7  591.8714379.91  585.3614867.89  580.88
14878.74   578.814916.93     57314926.79  571.07 14942.3  568.1515287.08  568.15
15316.11  574.0415343.95  580.8815435.52  609.9215455.14  612.8215701.29  648.39
16155.66  653.4916605.11  658.16 18785.4   657.818904.38   657.819141.35  657.86
19502.68   648.420521.14  648.6820786.89  649.1222517.07  649.5622911.88  649.77
 23348.8  653.1224020.41  658.7924251.68  660.4425402.34  660.44 26058.3  650.88
26341.03  650.88 26933.7  650.4427179.11  650.1827356.23  651.5227500.79  652.33
27654.23  653.6527957.79   656.728289.96  659.6729423.71  688.7230109.53  688.95
 31108.9   756.231256.22  756.2431893.27  699.09 31929.1  699.1133574.48  776.13
34651.67  768.4434855.54  767.2335218.86  786.9135261.66  786.98 35578.2   777.9
35920.61  787.9936083.85  788.2436883.34     79037601.82  790.2937964.14     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514867.89     .1515343.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14867.8915343.95                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.10    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.03    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1478779.00   90518.52   1631799.00
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            1478779.00   90518.52   1631799.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3248972.00   288127.90   3192900.00
  Top Width (ft)          31977.61    Top Width (ft)          13614.94     476.06   17886.61
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  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.20       3.18       1.96
  Max Chl Dpth (ft)         191.88    Hydr. Depth (ft)          108.61     190.14      91.23
  Conv. Total (cfs)       690127600.0    Conv. (cfs)            333165700.0   29546060.0   327415800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13634.00     478.58   17900.82
  Min Ch El (ft)            568.15    Shear (lb/sq ft)            0.64       1.12       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.41       3.57       1.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    182171.70   26761.27   213796.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1681.88     132.18    2081.54


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276755.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  171.28  794.36  557.27  781.78 1174.04  762.65 1329.24   757.5
  1577.1  749.72 1722.46  749.55 2026.42  749.55 2316.59  749.43 3095.92  713.73
 3158.25   710.7 3237.45  710.45 3247.27  710.44 3422.28  719.76  3578.4  719.55
 3702.49  719.33 3835.73  716.13  4161.4  708.41 4558.32  699.33 4853.71  699.17
 4980.82  697.81 5119.13  695.96 5178.63  694.91 5493.85  691.72 5797.54  688.97
 5920.05   689.1 6111.43   688.2 6256.18  687.75 6318.09   687.3 6360.71   687.3
  6491.5  687.61 6680.68  697.62 6735.44  693.77 6848.02  686.02 7164.04  663.48
  7205.7  660.77 7340.15  645.81 7595.06  615.51 7607.31  613.98  7757.5  611.66
 7878.12  610.47 8099.25  609.18 8251.24  607.68 8410.46   605.2 8572.39  603.36
 8697.83  584.07 8712.81  584.05 8790.81  583.15 8937.16   581.8 8987.02   581.8
 9023.57  582.21 9133.83   612.1 9227.46  613.15 9564.78  612.77 9702.36  603.06
 9750.91  593.46 9936.04  593.2510155.56   612.110416.77   611.810969.21  611.35
 12241.5  611.35 12450.9   601.8 12989.2   601.813403.33  602.25 13455.6   602.7
13711.37  602.3813717.44  592.8213810.23  591.9314383.58  585.3914871.68   580.9
14882.67  578.8114921.35  573.0214931.33  571.0814947.03  568.1515292.05  568.15
15321.26  574.0315349.26   580.915440.83  609.9215460.45  612.8215706.57  648.36
 16160.9  653.4516610.29  658.1218790.36  657.7518909.32  657.7519146.27  657.82
19507.56  648.3720525.91  648.6520791.64   649.122521.63  649.55 22916.4  649.76
23353.28  653.1124024.82   658.824256.05  660.45 25406.6  660.4526062.49   650.9
26345.19   650.926937.79  650.4527183.18  650.1927360.29  651.5227504.82  652.32
27658.25  653.6327961.78  656.6928293.92  659.6629427.54  688.6930113.29  688.92
31112.56  756.1131259.86  756.1631896.84  699.0731932.67  699.0833577.88  776.04
34654.96  768.37 34858.8  767.1735222.09  786.8435264.88  786.9135581.38  777.86
35923.76  787.9436086.98   788.236886.38     79037604.79   790.337967.07     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514871.68     .1515349.26     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14871.6815349.26                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.10    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.03    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1478865.00   90800.70   1632043.00
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            1478865.00   90800.70   1632043.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3247999.00   288958.10   3193043.00
  Top Width (ft)          31982.66    Top Width (ft)          13618.70     477.58   17886.38
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.20       3.18       1.96
  Max Chl Dpth (ft)         191.88    Hydr. Depth (ft)          108.59     190.13      91.25
  Conv. Total (cfs)       690275300.0    Conv. (cfs)            333137200.0   29637540.0   327500500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13637.74     480.08   17900.57
  Min Ch El (ft)            568.15    Shear (lb/sq ft)            0.64       1.12       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.41       3.57       1.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    182001.90   26750.86   213608.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1680.32     132.12    2079.49


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276752.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  171.32  794.36  557.41  781.77 1174.34  762.65 1329.58   757.5
  1577.5  749.71  1722.9  749.54 2026.94  749.54 2317.18  749.42 3096.71  713.75
 3159.05  710.72 3238.28  710.46  3248.1  710.45 3423.15  719.75 3579.32  719.54
 3703.44  719.32 3836.71  716.11 4162.46  708.39 4559.48  699.32 4854.94  699.15
 4982.09   697.8 5120.43  695.94 5179.95  694.88 5495.26  691.69 5799.02  688.95
 5921.56  689.08 6112.99  688.16 6257.77   687.7 6319.71  687.24 6362.34  687.24
 6493.16  687.56 6682.38  697.57 6737.16  693.72 6849.77     686 7165.87  663.49
 7207.54  660.79 7342.02  645.87    7597  615.59 7609.25  614.07 7759.48  611.74
 7880.13  610.54 8101.32  609.28 8253.34  607.77  8412.6  605.28 8574.57  603.43
 8700.04  584.16 8715.03  584.14 8793.05  583.22 8939.44  581.84 8989.31  581.84
 9025.87  582.26 9136.16  612.15 9229.81  613.22 9567.22  612.83 9704.83  603.13
  9753.4  593.53 9938.57  593.3210158.15  612.1410419.43  611.8410972.01  611.38
12244.62  611.3812454.08  601.8412992.52  601.8413406.75   602.313459.03  602.76
13714.87  602.4313720.94  592.8813813.75  591.9914387.24  585.4114875.48  580.92
 14886.6  578.8214925.76  573.0414935.86  571.0914951.76  568.1515297.03  568.15
15326.41  574.0315354.58  580.9215446.14  609.9215465.75  612.8215711.85  648.32
16166.13  653.4216615.47  658.0818795.31   657.718914.26   657.719151.19  657.77
19512.44  648.3320530.68  648.6220796.38  649.08 22526.2  649.5422920.92  649.76
23357.75  653.1124029.22  658.8124260.43  660.4625410.86  660.4626066.68  650.92
26349.35  650.9226941.89  650.4627187.25  650.1927364.34  651.5227508.86   652.3
27662.28  653.6227965.77  656.6928297.87  659.6529431.38  688.6630117.06   688.9
31116.22  756.02 31263.5  756.0731900.42  699.0531936.24  699.0633581.27  775.95
34658.24   768.334862.07  767.1135225.31  786.77 35268.1  786.8435584.57  777.81
35926.91   787.936090.11  788.1636889.43     79037607.77  790.3137970.01     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514875.48     .1515354.58     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14875.4815354.58                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
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  E.G. Elev (ft)            760.10    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.03    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1478952.00   91082.67   1632270.00
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            1478952.00   91082.67   1632270.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3247078.00   289786.70   3193136.00
  Top Width (ft)          31987.35    Top Width (ft)          13622.16     479.10   17886.09
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.20       3.18       1.96
  Max Chl Dpth (ft)         191.88    Hydr. Depth (ft)          108.57     190.11      91.26
  Conv. Total (cfs)       690423300.0    Conv. (cfs)             333114100.0   29728900.0   327580300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13641.17     481.59   17900.26
  Min Ch El (ft)            568.15    Shear (lb/sq ft)            0.64       1.12       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.41       3.57       1.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    181832.20   26740.42   213421.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1678.76     132.07    2077.43


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276749.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  171.37  794.35  557.55  781.75 1174.64  762.65 1329.91  757.49
 1577.91   749.7 1723.34  749.53 2027.46  749.53 2317.77   749.4  3097.5  713.76
 3159.86  710.73  3239.1  710.47 3248.93  710.46 3424.02  719.75 3580.23  719.53
 3704.38   719.3 3837.68  716.09 4163.52  708.37 4560.64   699.3 4856.18  699.13
 4983.36  697.78 5121.74  695.91 5181.28  694.84 5496.66  691.66  5800.5  688.92
 5923.07  689.06 6114.55  688.12 6259.37  687.65 6321.32  687.18 6363.96  687.18
 6494.82  687.51 6684.08  697.51 6738.88  693.67 6851.51  685.97  7167.7  663.49
 7209.38   660.8 7343.89  645.93 7598.94  615.68 7611.19  614.16 7761.45  611.81
 7882.14  610.62 8103.39  609.37 8255.45  607.87 8414.75  605.36 8576.76  603.51
 8702.26  584.25 8717.25  584.23 8795.29  583.29 8941.72  581.88  8991.6  581.88
 9028.17  582.31 9138.49  612.19 9232.16  613.29 9569.66  612.89  9707.3   603.2
 9755.89  593.61 9941.11  593.3910160.74  612.1910422.09  611.8810974.81  611.41
12247.74  611.4112457.25  601.8812995.83  601.8813410.17  602.3513462.47  602.82
13718.36  602.4813724.43  592.9413817.27  592.0514390.91  585.4414879.27  580.94
14890.53  578.8314930.17  573.06 14940.4   571.1 14956.5  568.1515302.01  568.15
15331.57  574.03 15359.9  580.9415451.45  609.9215471.06  612.8115717.13  648.29
16171.36  653.3816620.66  658.0418800.27  657.6518919.21  657.6519156.11  657.72
19517.32  648.2920535.46  648.5920801.12  649.0622530.76  649.5322925.44  649.75
23362.23  653.1124033.62  658.8324264.81  660.4725415.12  660.4726070.87  650.94
26353.51  650.9426945.99  650.4727191.32   650.227368.39  651.52 27512.9  652.29
 27666.3  653.6127969.76  656.6828301.83  659.6529435.21  688.6330120.82  688.88
31119.87  755.9431267.14  755.9931903.99  699.0331939.81  699.0433584.67  775.86
34661.52  768.2334865.33  767.0435228.53   786.735271.32  786.7735587.75  777.76
35930.06  787.8536093.25  788.1236892.48     79037610.74  790.3137972.95     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514879.27     .15 15359.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14879.27 15359.9                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.10    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.03    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1479055.00   91366.76   1632482.00
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            1479055.00   91366.76   1632482.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3246196.00   290622.10   3193182.00
  Top Width (ft)          31992.22    Top Width (ft)          13625.78     480.63   17885.81
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.19       3.18       1.96
  Max Chl Dpth (ft)         191.88    Hydr. Depth (ft)          108.55     190.10      91.27
  Conv. Total (cfs)       690570000.0    Conv. (cfs)             333094400.0   29820930.0   327654600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13644.75     483.11   17899.96
  Min Ch El (ft)            568.15    Shear (lb/sq ft)            0.64       1.12       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.41       3.57       1.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    181662.40   26729.95   213234.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1677.19     132.01    2075.38


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276746.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  171.41  794.35  557.69  781.74 1174.94  762.65 1330.25  757.48
 1578.31   749.7 1723.78  749.52 2027.97  749.52 2318.36  749.39 3098.29  713.78
 3160.66  710.75 3239.93  710.48 3249.75  710.47  3424.9  719.74 3581.14  719.52
 3705.33  719.29 3838.66  716.08 4164.59  708.35  4561.8  699.29 4857.42  699.11
 4984.63  697.76 5123.04  695.88  5182.6   694.8 5498.06  691.62 5801.98   688.9
 5924.58  689.04 6116.11  688.08 6260.96   687.6 6322.93  687.12 6365.58  687.12
 6496.47  687.46 6685.79  697.46 6740.59  693.63 6853.26  685.94 7169.53   663.5
 7211.21  660.82 7345.77  645.98 7600.87  615.77 7613.13  614.25 7763.43  611.88
 7884.15  610.69 8105.45  609.47 8257.55  607.97 8416.89  605.44 8578.95  603.58
 8704.48  584.34 8719.48  584.32 8797.54  583.36    8944  581.92  8993.9  581.92
 9030.47  582.36 9140.82  612.24 9234.52  613.36 9572.09  612.95 9709.78  603.27
 9758.37  593.69 9943.64  593.4610163.33  612.2410424.74  611.9210977.61  611.44
12250.86  611.4412460.43  601.9212999.14  601.9213413.59   602.4 13465.9  602.88
13721.86  602.5313727.93  593.0113820.79  592.1114394.58  585.4714883.06  580.96
14894.46  578.8414934.59  573.0814944.94  571.1114961.23  568.1515306.99  568.15
15336.72  574.0215365.22  580.9615456.75  609.9215476.36  612.8115722.41  648.25
16176.59  653.3516625.84     65818805.22   657.618924.15   657.619161.02  657.67
 19522.2  648.2620540.23  648.5620805.87  649.0422535.32  649.5222929.96  649.75
 23366.7   653.124038.03  658.8424269.19  660.4825419.38  660.4826075.06  650.96
26357.67  650.9626950.08  650.4827195.39   650.227372.44  651.5227516.93  652.28
27670.32  653.5927973.75  656.6728305.78  659.6429439.05  688.6130124.58  688.85
31123.53  755.8531270.79   755.931907.57  699.0131943.38  699.0233588.07  775.77
34664.81  768.1634868.59  766.9835231.76  786.6335274.54   786.735590.94  777.71
35933.21  787.8136096.38  788.0836895.53     79037613.71  790.3237975.88     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514883.06     .1515365.22     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14883.0615365.22                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.10    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.03    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1479137.00   91650.66   1632711.00
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            1479137.00   91650.66   1632711.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3245249.00   291457.20   3193294.00
  Top Width (ft)          31997.08    Top Width (ft)          13629.38     482.16   17885.54
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.19       3.18       1.96
  Max Chl Dpth (ft)         191.88    Hydr. Depth (ft)          108.53     190.08      91.29
  Conv. Total (cfs)       690715100.0    Conv. (cfs)            333067200.0   29912910.0   327734900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13648.32     484.63   17899.66
  Min Ch El (ft)            568.15    Shear (lb/sq ft)            0.64       1.12       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.41       3.56       1.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    181492.60   26719.45   213046.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1675.63     131.96    2073.33


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276744.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  171.46  794.35  557.83  781.73 1175.24  762.64 1330.59  757.47
 1578.71  749.69 1724.22  749.51 2028.49  749.51 2318.95  749.38 3099.08   713.8
 3161.47  710.76 3240.75  710.49 3250.58  710.48 3425.77  719.73 3582.05  719.51
 3706.27  719.27 3839.64  716.06 4165.65  708.33 4562.97  699.27 4858.66   699.1
  4985.9  697.74 5124.35  695.86 5183.92  694.77 5499.46  691.59 5803.45  688.88
 5926.09  689.02 6117.67  688.04 6262.56  687.55 6324.54  687.06  6367.2  687.06
 6498.13   687.4 6687.49  697.41 6742.31  693.58 6855.01  685.92 7171.35  663.51
 7213.05  660.84 7347.64  646.04 7602.81  615.86 7615.07  614.34 7765.41  611.95
 7886.15  610.76 8107.52  609.56 8259.65  608.06 8419.04  605.52 8581.13  603.66
  8706.7  584.43  8721.7  584.41 8799.78  583.43 8946.28  581.96 8996.19  581.96
 9032.77  582.41 9143.15  612.29 9236.87  613.43 9574.53  613.01 9712.25  603.33
 9760.86  593.76 9946.17  593.5310165.92  612.28 10427.4  611.9610980.41  611.47
12253.99  611.47 12463.6  601.9613002.46  601.9613417.01  602.4513469.33  602.94
13725.36  602.5913731.43  593.0713824.32  592.1814398.25  585.4914886.86  580.98
14898.39  578.85   14939  573.0914949.48  571.1214965.97  568.1515311.97  568.15
15341.87  574.0215370.53  580.9815462.06  609.9115481.67  612.8115727.69  648.21
16181.82  653.3116631.03  657.9618810.17  657.5518929.09  657.5519165.94  657.62
19527.07  648.22   20545  648.5320810.61  649.0222539.88  649.5122934.48  649.74
23371.17   653.124042.43  658.8524273.57  660.4925423.63  660.4926079.25  650.98
26361.83  650.9826954.18  650.4927199.46  650.2127376.49  651.5227520.97  652.26
27674.34  653.5827977.74  656.6728309.73  659.6329442.88  688.5830128.34  688.83
31127.19  755.7631274.43  755.8231911.14  698.9931946.96     69933591.46  775.69
34668.09  768.0834871.86  766.9235234.98  786.5635277.76  786.6335594.12  777.66
35936.36  787.7636099.51  788.0436898.58     79037616.68  790.3337978.82     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514886.86     .1515370.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14886.8615370.53                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.10    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.03    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1479230.00   91931.02   1632939.00
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            1479230.00   91931.02   1632939.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3244306.00   292280.50   3193414.00
  Top Width (ft)          32001.92    Top Width (ft)          13633.15     483.67   17885.09
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.19       3.18       1.96
  Max Chl Dpth (ft)         191.88    Hydr. Depth (ft)          108.50     190.07      91.30
  Conv. Total (cfs)       690861800.0    Conv. (cfs)            333041200.0   30003780.0   327816900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13652.07     486.12   17899.20
  Min Ch El (ft)            568.15    Shear (lb/sq ft)            0.64       1.12       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.41       3.56       1.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    181322.90   26708.91   212859.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1674.06     131.90    2071.28


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276741.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   171.5  794.34  557.98  781.72 1175.54  762.64 1330.93  757.47
 1579.11  749.68 1724.66   749.5 2029.01   749.5 2319.54  749.36 3099.87  713.81
 3162.28  710.78 3241.58   710.5 3251.41  710.49 3426.64  719.73 3582.97   719.5
 3707.22  719.26 3840.62  716.04 4166.71  708.31 4564.13  699.26  4859.9  699.08
 4987.17  697.72 5125.66  695.83 5185.24  694.73 5500.86  691.56 5804.93  688.86
  5927.6     689 6119.22     688 6264.15   687.5 6326.15     687 6368.82     687
 6499.78  687.35 6689.19  697.35 6744.03  693.54 6856.75  685.89 7173.18  663.51
 7214.89  660.85 7349.51   646.1 7604.75  615.95 7617.01  614.42 7767.39  612.02
 7888.16  610.83 8109.58  609.66 8261.76  608.16 8421.18  605.59 8583.32  603.73
 8708.92  584.52 8723.92   584.5 8802.02   583.5 8948.56     582 8998.48     582
 9035.07  582.46 9145.48  612.33 9239.22   613.5 9576.97  613.07 9714.73   603.4
 9763.35  593.84 9948.71  593.6110168.51  612.3310430.06     612 10983.2   611.5
12257.11   611.512466.78     60213005.77     60213420.43   602.513472.76     603
13728.85  602.6413734.93  593.1313827.84  592.2414401.92  585.5214890.65     581
14902.32  578.8714943.41  573.1114954.02  571.13 14970.7  568.1515316.95  568.15
15347.02  574.0115375.85     58115467.37  609.9115486.97  612.8115732.97  648.18
16187.05  653.2816636.21  657.9118815.13   657.518934.03   657.519170.86  657.57
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19531.95  648.1920549.77   648.520815.36     64922544.44   649.5   22939  649.74
23375.65   653.124046.83  658.8624277.95   660.525427.89   660.526083.44     651
26365.99     65126958.28   650.527203.54  650.2127380.55  651.5127525.01  652.25
27678.36  653.5627981.73  656.6628313.69  659.6229446.72  688.5530132.11   688.8
31130.84  755.6831278.07  755.7331914.71  698.9731950.53  698.9833594.86   775.6
34671.38  768.0134875.12  766.86 35238.2  786.4935280.98  786.5635597.31  777.62
35939.51  787.7236102.64     78836901.63     79037619.66  790.3337981.75     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514890.65     .1515375.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14890.6515375.85                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.10    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.03    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1479324.00   92214.69   1633178.00
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            1479324.00   92214.69   1633178.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3243379.00   293109.30   3193511.00
  Top Width (ft)          32006.64    Top Width (ft)          13636.61     485.20   17884.83
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.19       3.18       1.96
  Max Chl Dpth (ft)         191.88    Hydr. Depth (ft)          108.48     190.06      91.32
  Conv. Total (cfs)       691017100.0    Conv. (cfs)             333020900.0   30095620.0   327900600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13655.48     487.64   17898.91
  Min Ch El (ft)            568.15    Shear (lb/sq ft)            0.64       1.12       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.41       3.56       1.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    181153.10   26698.34   212671.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1672.50     131.85    2069.22


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276738.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  171.54  794.34  558.12   781.7 1175.83  762.64 1331.27  757.46
 1579.51  749.68 1725.09  749.49 2029.52  749.49 2320.13  749.35 3100.66  713.83
 3163.08   710.8  3242.4  710.51 3252.24   710.5 3427.52  719.72 3583.88  719.49
 3708.16  719.24  3841.6  716.03 4167.77  708.29 4565.29  699.24 4861.13  699.06
 4988.44   697.7 5126.96   695.8 5186.56  694.69 5502.26  691.52 5806.41  688.83
 5929.11  688.98 6120.78  687.96 6265.75  687.45 6327.76  686.94 6370.45  686.94
 6501.44   687.3  6690.9   697.3 6745.75  693.49  6858.5  685.86 7175.01  663.52
 7216.73  660.87 7351.38  646.15 7606.68  616.04 7618.95  614.51 7769.37  612.09
 7890.17  610.91 8111.65  609.75 8263.86  608.26 8423.33  605.67  8585.5  603.81
 8711.14  584.62 8726.14  584.59 8804.26  583.57 8950.84  582.04 9000.77  582.04
 9037.37  582.51 9147.81  612.38 9241.58  613.57 9579.41  613.14  9717.2  603.47
 9765.83  593.92 9951.24  593.68 10171.1  612.3810432.71  612.04   10986  611.53
12260.23  611.5312469.96  602.0413009.08  602.0413423.84  602.5513476.19  603.06
13732.35  602.6913738.43  593.1913831.36   592.314405.59  585.5414894.44  581.02
14906.25  578.8814947.83  573.1314958.55  571.1414975.43  568.1415321.93  568.14
15352.17  574.0115381.17  581.0215472.67  609.9115492.28   612.815738.25  648.14
16192.29  653.2416641.39  657.8718820.08  657.4518938.97  657.4519175.77  657.52
19536.83  648.1520554.54  648.47 20820.1  648.98   22549  649.4922943.52  649.73
23380.12  653.0924051.24  658.8724282.33  660.5125432.15  660.5126087.62  651.02
26370.15  651.0226962.37  650.5127207.61  650.21 27384.6  651.5127529.04  652.24
27682.38  653.5527985.71  656.6528317.64  659.6229450.55  688.5230135.87  688.78
 31134.5  755.5931281.71  755.6531918.29  698.95 31954.1  698.9633598.26  775.51
34674.66  767.9434878.38  766.7935241.43  786.42 35284.2   786.5 35600.5  777.57
35942.66  787.6736105.78  787.9636904.68     79037622.63  790.3437984.68     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514894.44     .1515381.17     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14894.4415381.17                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.10    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.03    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1479417.00   92502.16   1633412.00
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            1479417.00   92502.16   1633412.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3242437.00   293957.30   3193606.00
  Top Width (ft)          32011.51    Top Width (ft)          13640.22     486.73   17884.56
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.19       3.18       1.96
  Max Chl Dpth (ft)         191.89    Hydr. Depth (ft)          108.46     190.05      91.33
  Conv. Total (cfs)       691169100.0    Conv. (cfs)             332997300.0   30189330.0   327982400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13659.06     489.16   17898.62
  Min Ch El (ft)            568.14    Shear (lb/sq ft)            0.64       1.12       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.41       3.56       1.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    180983.30   26687.74   212484.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1670.93     131.79    2067.17


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276735.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  171.59  794.33  558.26  781.69 1176.13  762.63 1331.61  757.45
 1579.92  749.67 1725.53  749.48 2030.04  749.48 2320.72  749.34 3101.45  713.85
 3163.89  710.81 3243.23  710.52 3253.07  710.51 3428.39  719.72 3584.79  719.48
  3709.1  719.23 3842.58  716.01 4168.83  708.27 4566.45  699.23 4862.37  699.04
 4989.71  697.68 5128.27  695.77 5187.88  694.66 5503.66  691.49 5807.89  688.81
 5930.62  688.96 6122.34  687.92 6267.34   687.4 6329.37  686.88 6372.07  686.88
 6503.09  687.24  6692.6  697.25 6747.47  693.44 6860.25  685.83 7176.83  663.53
 7218.57  660.89 7353.25  646.21 7608.62  616.13 7620.89   614.6 7771.35  612.16
 7892.18  610.98 8113.71  609.85 8265.97  608.35 8425.47  605.75 8587.69  603.88
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 8713.36  584.71 8728.37  584.68  8806.5  583.64 8953.12  582.08 9003.07  582.08
 9039.67  582.55 9150.14  612.43 9243.93  613.64 9581.85   613.2 9719.68  603.54
 9768.32  593.99 9953.78  593.7510173.69  612.4210435.37  612.08 10988.8  611.56
12263.35  611.5612473.13  602.0813012.39  602.0813427.26   602.613479.62  603.12
13735.85  602.7413741.93  593.2613834.88  592.3614409.25  585.5714898.24  581.04
14910.18  578.8914952.24  573.1514963.09  571.1514980.17  568.1415326.91  568.14
15357.32     5741538 6.48  581.0415477.98  609.9115497.58   612.815743.53   648.1
16197.52  653.2116646.58  657.8318825.04   657.418943.92   657.419180.69  657.48
19541.71  648.1120559.31  648.4420824.84  648.9622553.56  649.4822948.04  649.73
 23384.6  653.0924055.64  658.8824286.71  660.5225436.41  660.5226091.81  651.04
 26374.3  651.0426966.47  650.5227211.68  650.2227388.65  651.5127533.08  652.23
 27686.4  653.53 27989.7  656.6528321.59  659.6129454.39  688.4930139.63  688.76
31138.16   755.531285.35  755.5631921.86  698.9331957.67  698.9433601.66  775.42
34677.94  767.8734881.64  766.7335244.65  786.3535287.42  786.4335603.68  777.52
35945.81  787.6236108.91  787.9236907.73     79037625.61  790.3537987.62     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514898.24     .1515386.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14898.2415386.48                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.10    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.03    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1479506.00   92782.66   1633638.00
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            1479506.00   92782.66   1633638.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3241502.00   294781.00   3193717.00
  Top Width (ft)          32016.54    Top Width (ft)          13643.99     488.24   17884.30
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.19       3.18       1.95
  Max Chl Dpth (ft)         191.89    Hydr. Depth (ft)          108.44     190.03      91.34
  Conv. Total (cfs)       691311700.0    Conv. (cfs)             332970000.0   30280170.0   328061500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13662.79     490.67   17898.34
  Min Ch El (ft)            568.14    Shear (lb/sq ft)            0.64       1.12       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.40       3.55       1.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    180813.40   26677.11   212296.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1669.37     131.73    2065.12


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276732.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  171.63  794.33   558.4  781.68 1176.43  762.63 1331.95  757.44
 1580.32  749.67 1725.97  749.47 2030.56  749.47 2321.31  749.33 3102.24  713.87
 3164.69  710.83 3244.06  710.53  3253.9  710.51 3429.26  719.71 3585.71  719.47
 3710.05  719.21 3843.55  715.99 4169.89  708.25 4567.62  699.21 4863.61  699.02
 4990.98  697.66 5129.57  695.75  5189.2  694.62 5505.06  691.46 5809.37  688.79
 5932.13  688.94  6123.9  687.88 6268.94  687.35 6330.99  686.82 6373.69  686.82
 6504.75  687.19 6694.31   697.2 6749.18   693.4 6861.99  685.81 7178.66  663.54
  7220.4  660.91 7355.13  646.27 7610.56  616.21 7622.83  614.69 7773.32  612.24
 7894.19  611.05 8115.78  609.94 8268.07  608.45 8427.62  605.83 8589.88  603.96
 8715.57   584.8 8730.59  584.77 8808.75  583.71  8955.4  582.12 9005.36  582.12
 9041.98   582.6 9152.47  612.47 9246.28  613.71 9584.29  613.26 9722.15  603.61
 9770.81  594.07 9956.31  593.8210176.28  612.4710438.03  612.12 10991.6  611.59
12266.48  611.5912476.31  602.1213015.71  602.1213430.68  602.6513483.06  603.18
13739.34   602.813745.43  593.32 13838.4  592.4214412.92  585.5914902.03  581.06
14914.11   578.914956.65  573.1614967.63  571.15 14984.9  568.1415331.89  568.14
15362.47     574 15391.8  581.0615483.29  609.9115502.89   612.815748.81  648.07
16202.75  653.1716651.76  657.7918829.99  657.3518948.86  657.3519185.61  657.43
19546.59  648.0820564.09  648.4120829.59  648.9422558.13  649.4722952.56  649.72
23389.07  653.0924060.04   658.924291.09  660.5325440.66  660.53   26096  651.06
26378.46  651.0626970.57  650.5327215.75  650.22 27392.7  651.5127537.12  652.21
27690.42  653.5227993.69  656.6428325.55   659.629458.22  688.4630143.39  688.73
31141.81  755.4231288.99  755.4831925.44  698.9131961.24  698.9233605.05  775.33
34681.23   767.834884.91  766.6735247.88  786.2835290.64  786.3635606.87  777.47
35948.96  787.5836112.05  787.8836910.77     79037628.58  790.3537990.55     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514902.03     .15 15391.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14902.03 15391.8                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.10    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.03    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1479594.00   93066.61   1633862.00
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            1479594.00   93066.61   1633862.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3240578.00   295614.30   3193809.00
  Top Width (ft)          32021.40    Top Width (ft)          13647.60     489.77   17884.04
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.19       3.18       1.95
  Max Chl Dpth (ft)         191.89    Hydr. Depth (ft)          108.41     190.02      91.36
  Conv. Total (cfs)       691457200.0    Conv. (cfs)             332945100.0   30372160.0   328139900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13666.38     492.18   17898.05
  Min Ch El (ft)            568.14    Shear (lb/sq ft)            0.64       1.12       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.40       3.55       1.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    180643.60   26666.44   212109.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1667.80     131.68    2063.06


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276729.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  171.67  794.32  558.55  781.67 1176.73  762.63 1332.29  757.43
```

```
 1580.72  749.66 1726.41  749.46 2031.07  749.46 2321.91  749.31 3103.03  713.88
  3165.5  710.84 3244.88  710.54 3254.72  710.52 3430.13  719.71 3586.62  719.46
 3710.99   719.2 3844.53  715.97 4170.95  708.23 4568.78   699.2 4864.85     699
 4992.25  697.65 5130.88  695.72 5190.52  694.58 5506.47  691.42 5810.85  688.76
 5933.64  688.92 6125.46  687.84 6270.54   687.3  6332.6  686.76 6375.31  686.76
  6506.4  687.14 6696.01  697.14  6750.9  693.35 6863.74  685.78 7180.49  663.54
 7222.24  660.92    7357  646.33  7612.5   616.3 7624.77  614.78  7775.3  612.31
  7896.2  611.13 8117.85  610.04 8270.18  608.55 8429.76  605.91 8592.06  604.03
 8717.79  584.89 8732.81  584.86 8810.99  583.78 8957.68  582.16 9007.65  582.16
 9044.28  582.65  9154.8  612.52 9248.64  613.78 9586.73  613.32 9724.63  603.67
  9773.3  594.15 9958.85  593.8910178.87  612.5210440.68  612.1610994.39  611.62
 12269.6  611.6212479.48  602.1613019.02  602.16 13434.1   602.713486.49  603.24
13742.84  602.8513748.92  593.3813841.93  592.4814416.59  585.6214905.82  581.08
14918.04  578.9114961.07  573.1814972.17  571.1614989.64  568.1415336.87  568.14
15367.63     57415397.12  581.08 15488.6   609.915508.19  612.7915754.09  648.03
16207.98  653.1416656.95  657.7518834.95   657.3 18953.8   657.319190.52  657.38
19551.47  648.0420568.86  648.3820834.33  648.9222562.69  649.4622957.08  649.72
23393.54  653.0924064.45  658.9124295.46  660.5425444.92  660.5426100.19  651.08
26382.62  651.0826974.66  650.5427219.82  650.2327396.75  651.5127541.15   652.2
27694.44  653.5127997.68  656.63 28329.5  659.5929462.05  688.4330147.15  688.71
31145.47  755.3331292.63  755.3931929.01  698.8931964.81   698.933608.45  775.25
34684.51  767.7334888.17   766.6 35251.1  786.2135293.86  786.2935610.06  777.43
35952.11  787.5336115.18  787.8436913.82     79037631.55  790.3637993.49     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514905.82     .1515397.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14905.8215397.12                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.10    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.03    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1479692.00   93350.33   1634087.00
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            1479692.00   93350.33   1634087.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3239662.00   296442.90   3193895.00
  Top Width (ft)          32026.11    Top Width (ft)          13651.21     491.30   17883.60
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.19       3.18       1.95
  Max Chl Dpth (ft)         191.89    Hydr. Depth (ft)          108.39     190.01      91.37
  Conv. Total (cfs)       691608300.0    Conv. (cfs)            332923800.0   30463950.0   328220500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13669.95     493.70   17897.60
  Min Ch El (ft)            568.14    Shear (lb/sq ft)            0.64       1.12       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.40       3.55       1.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    180473.80   26655.74   211921.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1666.23     131.62    2061.01


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276726.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  171.72  794.32  558.69  781.65 1177.03  762.63 1332.63  757.43
 1581.12  749.65 1726.85  749.45 2031.59  749.45  2322.5   749.3 3103.82   713.9
  3166.3  710.86 3245.71  710.55 3255.55  710.53 3431.01   719.7 3587.53  719.45
 3711.94  719.18 3845.51  715.96 4172.02  708.22 4569.94  699.18 4866.09  698.99
 4993.52  697.63 5132.18  695.69 5191.84  694.55 5507.87  691.39 5812.33  688.74
 5935.15   688.9 6127.02   687.8 6272.13  687.25 6334.21   686.7 6376.94   686.7
 6508.06  687.08 6697.71  697.09 6752.62  693.31 6865.48  685.75 7182.32  663.55
 7224.08  660.94 7358.87  646.38 7614.43  616.39 7626.71  614.87 7777.28  612.38
 7898.21   611.2 8119.91  610.13 8272.28  608.64 8431.91  605.99 8594.25  604.11
 8720.01  584.98 8735.03  584.95 8813.23  583.85 8959.96   582.2 9009.94   582.2
 9046.58   582.7 9157.13  612.57 9250.99  613.85 9589.17  613.38  9727.1  603.74
 9775.78  594.22 9961.38  593.9710181.46  612.5610443.34   612.210997.19  611.65
12272.72  611.6512482.66   602.213022.33   602.213437.52  602.7513489.92   603.3
13746.34   602.913752.42  593.4413845.45  592.5414420.26  585.6514909.62   581.1
14921.97  578.9214965.48   573.214976.71  571.1714994.37  568.1415341.84  568.14
15372.78  573.9915402.43   581.1 15493.9   609.9 15513.5  612.7915759.37  647.99
16213.21   653.116662.13  657.71 18839.9  657.2518958.74  657.2519195.44  657.33
19556.35     64820573.63  648.3520839.07   648.922567.25  649.45 22961.6  649.71
23398.02  653.0824068.85  658.9224299.84  660.5525449.18  660.5526104.38   651.1
26386.78   651.126978.76  650.5527223.89  650.2327400.81  651.5127545.19  652.19
27698.46  653.4928001.67  656.6228333.46  659.5929465.89   688.430150.92  688.68
31149.13  755.2431296.28  755.3131932.59  698.8731968.38  698.8833611.85  775.16
34687.79  767.6534891.43  766.5435254.32  786.1435297.08  786.2235613.24  777.38
35955.26  787.4936118.31   787.836916.87     79037634.52  790.3737996.43     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514909.62     .1515402.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14909.6215402.43                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.10    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.03    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1479776.00   93630.56   1634332.00
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            1479776.00   93630.56   1634332.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3238714.00   297260.20   3194026.00
  Top Width (ft)          32030.84    Top Width (ft)          13654.67     492.81   17883.36
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.19       3.17       1.95
  Max Chl Dpth (ft)         191.89    Hydr. Depth (ft)          108.37     189.99      91.39
  Conv. Total (cfs)       691760300.0    Conv. (cfs)            332899600.0   30554650.0   328306100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13673.39     495.20   17897.33
  Min Ch El (ft)            568.14    Shear (lb/sq ft)            0.64       1.12       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.40       3.55       1.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    180303.90   26645.01   211734.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1664.67     131.57    2058.96


CROSS SECTION
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RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276723.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  171.76  794.31  558.83  781.64 1177.33  762.62 1332.97  757.42
 1581.53  749.65 1727.29  749.44 2032.11  749.44 2323.09  749.29 3104.61  713.92
 3167.11  710.87 3246.53  710.56 3256.38  710.54 3431.88   719.7 3588.44  719.44
 3712.88  719.17 3846.49  715.94 4173.08   708.2  4571.1  699.17 4867.32  698.97
 4994.79  697.61 5133.49  695.67 5193.16  694.51 5509.27  691.36  5813.8  688.72
 5936.66  688.88 6128.58  687.76 6273.73   687.2 6335.82  686.64 6378.56  686.64
 6509.72  687.03 6699.42  697.04 6754.34  693.26 6867.23  685.72 7184.14  663.56
 7225.92  660.96 7360.74  646.44 7616.37  616.48 7628.65  614.96 7779.26  612.45
 7900.22  611.27 8121.98  610.23 8274.38  608.74 8434.05  606.06 8596.44  604.18
 8722.23  585.07 8737.25  585.04 8815.47  583.92 8962.24  582.24 9012.23  582.24
 9048.88  582.75 9159.46  612.61 9253.34  613.92 9591.61  613.44 9729.58  603.81
 9778.27   594.3 9963.91  594.0410184.05  612.61   10446  612.2410999.99  611.68
12275.84  611.6812485.83  602.2413025.65  602.2413440.94   602.813493.35  603.36
13749.84  602.9613755.92  593.5113848.97   592.614423.93  585.6714913.41  581.12
 14925.9  578.9414969.89  573.2214981.24  571.18 14999.1  568.1415346.82  568.14
15377.93  573.9915407.75  581.1215499.21   609.915518.81  612.7915764.64  647.96
16218.44  653.0716667.31  657.6618844.86   657.218963.68   657.219200.36  657.28
19561.23  647.97 20578.4  648.3220843.82  648.8822571.81  649.4422966.12  649.71
23402.49  653.0824073.25  658.9324304.22  660.5625453.44  660.5626108.57  651.12
26390.94  651.1226982.86  650.5627227.96  650.2327404.86  651.5127549.23  652.17
27702.48  653.4828005.66  656.6228337.41  659.5829469.72  688.3730154.68  688.66
31152.79  755.1631299.92  755.2231936.16  698.8531971.95  698.8633615.25  775.07
34691.08  767.5834894.69  766.4835257.55  786.07 35300.3  786.1535616.43  777.33
35958.41  787.4436121.45  787.7636919.92     790 37637.5  790.3737999.36     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514913.41     .1515407.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14913.4115407.75                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.10    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.03    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1479861.00   93913.94   1634558.00
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            1479861.00   93913.94   1634558.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3237772.00   298090.30   3194138.00
  Top Width (ft)          32035.87    Top Width (ft)          13658.43     494.34   17883.10
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.19       3.17       1.95
  Max Chl Dpth (ft)         191.89    Hydr. Depth (ft)          108.35     189.98      91.40
  Conv. Total (cfs)       691902300.0    Conv. (cfs)            332871000.0   30646260.0   328385000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13677.11     496.72   17897.06
  Min Ch El (ft)            568.14    Shear (lb/sq ft)            0.64       1.12       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.40       3.54       1.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    180134.10   26634.25   211546.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1663.10     131.51    2056.91


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276720.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  171.81  794.31  558.97  781.63 1177.63  762.62  1333.3  757.41
 1581.93  749.64 1727.73  749.43 2032.62  749.43 2323.68  749.28  3105.4  713.93
 3167.91  710.89 3247.36  710.57 3257.21  710.55 3432.75  719.69 3589.36  719.43
 3713.83  719.16 3847.47  715.92 4174.14  708.18 4572.27  699.15 4868.56  698.95
 4996.06  697.59 5134.79  695.64 5194.48  694.47 5510.67  691.32 5815.28   688.7
 5938.17  688.86 6130.14  687.72 6275.32  687.15 6337.43  686.58 6380.18  686.58
 6511.37  686.98 6701.12  696.98 6756.05  693.22 6868.98   685.7 7185.97  663.56
 7227.75  660.97 7362.62   646.5 7618.31  616.57 7630.59  615.04 7781.24  612.52
 7902.23  611.34 8124.04  610.32 8276.49  608.84  8436.2  606.14 8598.62  604.25
 8724.45  585.16 8739.48  585.13 8817.72  583.99 8964.52  582.28 9014.53  582.28
 9051.18   582.8 9161.79  612.66  9255.7  613.99 9594.05  613.51 9732.05  603.88
 9780.76  594.38 9966.45  594.1110186.64  612.6610448.65  612.2811002.79  611.71
12278.96  611.7112489.01  602.2813028.96  602.2813444.36  602.8513496.78  603.42
13753.33  603.0113759.42  593.5713852.49  592.66 14427.6   585.7 14917.2  581.14
14929.83  578.9514974.31  573.2414985.78  571.1915003.84  568.14 15351.8  568.14
15383.08  573.9815413.07  581.1415504.52   609.915524.11  612.7815769.92  647.92
16223.67  653.03 16672.5  657.6218849.81  657.1518968.62  657.1519205.28  657.23
19566.11  647.9320583.17  648.2920848.56  648.8622576.37  649.4322970.64   649.7
23406.97  653.0824077.66  658.94 24308.6  660.57 25457.7  660.5726112.76  651.14
 26395.1  651.1426986.95  650.5727232.03  650.2427408.91   651.527553.27  652.16
 27706.5  653.4628009.65  656.6128341.36  659.5729473.56  688.3430158.44  688.64
31156.44  755.0731303.56  755.1331939.73  698.8331975.52  698.8433618.64  774.98
34694.36  767.5134897.95  766.4235260.77     78635303.52  786.0835619.62  777.28
35961.56   787.436124.58  787.7236922.97     79037640.47  790.38 38002.3     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 14917.2     .1515413.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       14917.215413.07                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.10    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.03    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1479956.00   94197.80   1634799.00
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            1479956.00   94197.80   1634799.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3236834.00   298917.20   3194249.00
  Top Width (ft)          32040.75    Top Width (ft)          13662.04     495.87   17882.84
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.19       3.17       1.95
  Max Chl Dpth (ft)         191.89    Hydr. Depth (ft)          108.33     189.96      91.42
  Conv. Total (cfs)       692055800.0    Conv. (cfs)            332848400.0   30738090.0   328469300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13680.69     498.24   17896.77
  Min Ch El (ft)            568.14    Shear (lb/sq ft)            0.64       1.12       0.54
```

```
  Alpha                        1.04    Stream Power (lb/ft s)      1.40       3.54       1.05
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    179964.20   26623.45   211359.00
  C & E Loss (ft)              0.00    Cum SA (acres)           1661.53     131.45    2054.85


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276717.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  171.85   794.3  559.11  781.62 1177.93  762.62 1333.64   757.4
 1582.33  749.63 1728.17  749.42 2033.14  749.42 2324.27  749.26 3106.19  713.95
 3168.72   710.9 3248.18  710.58 3258.04  710.56 3433.62  719.69 3590.27  719.42
 3714.77  719.14 3848.45  715.91  4175.2  708.16 4573.43  699.14  4869.8  698.93
 4997.33  697.57  5136.1  695.61  5195.8  694.44 5512.07  691.29 5816.76  688.67
 5939.68  688.84 6131.69  687.68 6276.92   687.1 6339.04  686.52  6381.8  686.52
 6513.03  686.92 6702.83  696.93 6757.77  693.17 6870.72  685.67  7187.8  663.57
 7229.59  660.99 7364.49  646.55 7620.24  616.66 7632.53  615.13 7783.22  612.59
 7904.24  611.42 8126.11  610.42 8278.59  608.93 8438.34  606.22 8600.81  604.33
 8726.67  585.25  8741.7  585.22 8819.96  584.06  8966.8  582.32 9016.82  582.32
 9053.48  582.85 9164.12   612.7 9258.05  614.06 9596.49  613.57 9734.53  603.95
 9783.24  594.45 9968.98  594.1810189.23   612.710451.31  612.3211005.58  611.74
12282.09  611.7412492.18  602.3213032.27  602.3213447.77   602.913500.22  603.48
13756.83  603.0613762.92  593.6313856.02  592.7214431.27  585.7214920.99  581.16
14933.76  578.9614978.72  573.2514990.32   571.215008.57  568.1415356.78  568.14
15388.23  573.9815418.39  581.1615509.83   609.915529.42  612.78 15775.2  647.88
16228.91     65316677.68  657.5818854.77   657.118973.57   657.119210.19  657.18
19570.99  647.8920587.95  648.2620853.31  648.8422580.93  649.4222975.16   649.7
23411.44  653.0724082.06  658.9524312.98  660.5825461.95  660.5826116.95  651.16
26399.26  651.1626991.05  650.58 27236.1  650.2427412.96   651.5 27557.3  652.15
27710.52  653.4528013.64   656.628345.32  659.5629477.39  688.32 30162.2  688.61
 31160.1  754.99 31307.2  755.0531943.31   698.831979.09  698.8233622.04  774.89
34697.64  767.4434901.21  766.35   35264  785.9335306.73  786.02 35622.8  777.24
35964.71  787.3536127.71  787.6836926.02     79037643.44  790.3938005.23     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514920.99     .1515418.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14920.9915418.39                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.10    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.02    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1480054.00   94481.51   1635028.00
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            1480054.00   94481.51   1635028.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3235924.00   299744.70   3194332.00
  Top Width (ft)          32045.63    Top Width (ft)          13665.65     497.40   17882.59
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.19       3.17       1.95
  Max Chl Dpth (ft)         191.88    Hydr. Depth (ft)          108.30     189.95      91.43
  Conv. Total (cfs)       692206500.0    Conv. (cfs)            332827300.0   30829900.0   328549300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13684.26     499.76   17896.50
  Min Ch El (ft)            568.14    Shear (lb/sq ft)            0.64       1.12       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.40       3.54       1.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    179794.30   26612.62   211171.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1659.96     131.40    2052.80


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276714.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  171.89   794.3  559.26   781.6 1178.23  762.61 1333.98  757.39
 1582.73  749.63 1728.61  749.41 2033.66  749.41 2324.86  749.25 3106.98  713.97
 3169.52  710.92 3249.01  710.59 3258.86  710.57  3434.5  719.68 3591.18  719.41
 3715.71  719.13 3849.42  715.89 4176.26  708.14 4574.59  699.12 4871.04  698.91
  4998.6  697.55 5137.41  695.58 5197.12   694.4 5513.47  691.26 5818.24  688.65
 5941.19  688.82 6133.25  687.64 6278.51  687.05 6340.65  686.46 6383.43  686.46
 6514.68  686.87 6704.53  696.88 6759.49  693.12 6872.47  685.64 7189.63  663.58
 7231.43  661.01 7366.36  646.61 7622.18  616.75 7634.47  615.22  7785.2  612.67
 7906.25  611.49 8128.17  610.51  8280.7  609.03 8440.49   606.3    8603   604.4
 8728.88  585.34 8743.92  585.31  8822.2  584.13 8969.08  582.36 9019.11  582.36
 9055.79   582.9 9166.44  612.75 9260.41  614.13 9598.93  613.63    9737  604.01
 9785.73  594.53 9971.52  594.2610191.82  612.7510453.97  612.3611008.38  611.77
12285.21  611.7712495.36  602.3613035.58  602.3613451.19  602.9513503.65  603.54
13760.33  603.1113766.42  593.6913859.54  592.7814434.93  585.7514924.79  581.18
14937.69  578.9714983.13  573.2714994.86  571.2115013.31  568.1415361.76  568.14
15393.38  573.98 15423.7  581.1815515.13   609.915534.72  612.7815780.48  647.85
16234.14  652.9616682.87  657.5418859.72  657.0518978.51  657.0519215.11  657.14
19575.87  647.8620592.72  648.2320858.05  648.82 22585.5  649.4122979.68  649.69
23415.91  653.0724086.46  658.9724317.36  660.5925466.21  660.5926121.13  651.18
26403.42  651.1826995.15  650.5927240.17  650.2527417.02   651.527561.34  652.13
27714.54  653.4328017.62   656.628349.27  659.5629481.23  688.2930165.96  688.59
31163.76   754.931310.84  754.9631946.88  698.7831982.66   698.833625.44  774.81
34700.93  767.3734904.48  766.2935267.22  785.8635309.96  785.9535625.99  777.19
35967.86   787.336130.84  787.6436929.07     79037646.41  790.3938008.16     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514924.79     .15 15423.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14924.79 15423.7                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.10    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.02    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1480139.00   94761.52   1635237.00
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```
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            1480139.00   94761.52   1635237.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3235005.00   300565.40   3194430.00
  Top Width (ft)          32050.51    Top Width (ft)          13669.41     498.91   17882.18
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.19       3.17       1.95
  Max Chl Dpth (ft)         191.88    Hydr. Depth (ft)          108.28     189.94      91.45
  Conv. Total (cfs)       692343400.0    Conv. (cfs)             332798500.0   30920430.0   328624400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13688.00     501.27   17896.07
  Min Ch El (ft)            568.14    Shear (lb/sq ft)            0.64       1.12       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.39       3.54       1.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    179624.40   26601.76   210983.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1658.39     131.34    2050.75


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276711.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  171.94   794.3   559.4  781.59 1178.53  762.61 1334.32  757.39
 1583.13  749.62 1729.05   749.4 2034.17   749.4 2325.45  749.24 3107.77  713.98
 3170.33  710.94 3249.84   710.6 3259.69  710.58 3435.37  719.67 3592.09   719.4
 3716.66  719.11  3850.4  715.87 4177.32  708.12 4575.76  699.11 4872.28  698.89
 4999.87  697.53 5138.71  695.56 5198.45  694.36 5514.87  691.22 5819.72  688.63
  5942.7   688.8 6134.81   687.6 6280.11     687 6342.27   686.4 6385.05   686.4
 6516.34  686.82 6706.23  696.82 6761.21  693.08 6874.22  685.62 7191.45  663.58
 7233.27  661.03 7368.23  646.67 7624.12  616.83 7636.41  615.31 7787.17  612.74
 7908.26  611.56 8130.24  610.61  8282.8  609.13 8442.63  606.38 8605.18  604.48
  8731.1  585.43 8746.14   585.4 8824.44   584.2 8971.36   582.4  9021.4   582.4
 9058.09  582.95 9168.77   612.8 9262.76   614.2 9601.37  613.69 9739.47  604.08
 9788.22  594.61 9974.05  594.3310194.41   612.810456.62   612.411011.18   611.8
12288.33   611.812498.54   602.4 13038.9   602.413454.61    60313507.08   603.6
13763.82  603.1713769.92  593.7613863.06  592.84 14438.6  585.7814928.58   581.2
14941.62  578.9814987.55  573.2914999.39  571.2215018.04  568.1315366.74  568.13
15398.54  573.9715429.02   581.215520.44  609.8915540.03  612.7815785.76  647.81
16239.37  652.9316688.05   657.518864.67     65718983.45     65719220.03  657.09
19580.74  647.8220597.49   648.220862.79   648.822590.06   649.4 22984.2  649.68
23420.39  653.0724090.87  658.9824321.74   660.625470.47   660.626125.32   651.2
26407.58   651.226999.24   650.627244.24  650.2527421.07   651.527565.38  652.12
27718.56  653.4228021.61  656.5928353.22  659.5529485.06  688.2630169.73  688.56
31167.41  754.8131314.48  754.8831950.46  698.7631986.23  698.7833628.84  774.72
34704.21   767.334907.74  766.2335270.45  785.7935313.18  785.8835629.18  777.14
35971.01  787.2636133.98   787.636932.12     79037649.39   790.4 38011.1     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514928.58     .1515429.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14928.5815429.02                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.02    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1480225.00   95048.98   1635477.00
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            1480225.00   95048.98   1635477.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3234060.00   301408.70   3194532.00
  Top Width (ft)          32055.25    Top Width (ft)          13672.87     500.44   17881.94
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.18       3.17       1.95
  Max Chl Dpth (ft)         191.89    Hydr. Depth (ft)          108.26     189.93      91.46
  Conv. Total (cfs)       692497400.0    Conv. (cfs)             332775300.0   31014070.0   328708000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13691.42     502.79   17895.80
  Min Ch El (ft)            568.13    Shear (lb/sq ft)            0.64       1.11       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.39       3.53       1.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    179454.50   26590.87   210795.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1656.82     131.28    2048.70


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276709.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  171.98  794.29  559.54  781.58 1178.83  762.61 1334.66  757.38
 1583.54  749.62 1729.49  749.39 2034.69  749.39 2326.04  749.22 3108.56     714
 3171.14  710.95 3250.66  710.61 3260.52  710.59 3436.24  719.67 3593.01  719.39
  3717.6   719.1 3851.38  715.86 4178.38   708.1 4576.92  699.09 4873.51  698.87
 5001.14  697.52 5140.02  695.53 5199.77  694.33 5516.27  691.19  5821.2   688.6
 5944.21  688.78 6136.37  687.56 6281.71  686.95 6343.88  686.34 6386.67  686.34
 6517.99  686.77 6707.94  696.77 6762.93  693.03 6875.96  685.59 7193.28  663.59
 7235.11  661.04  7370.1  646.72 7626.06  616.92 7638.35   615.4 7789.15  612.81
 7910.27  611.64 8132.31   610.7 8284.91  609.22 8444.78  606.46 8607.37  604.55
 8733.32  585.52 8748.37  585.49 8826.68  584.27 8973.63  582.44 9023.69  582.44
 9060.39     583  9171.1  612.84 9265.11  614.27 9603.81  613.75 9741.95  604.15
  9790.7  594.68 9976.58   594.4   10197  612.8410459.28  612.4411013.98  611.83
12291.45  611.8312501.71  602.4413042.21  602.4413458.03  603.0513510.51  603.66
13767.32  603.2213773.42  593.8213866.58  592.9114442.27   585.814932.37  581.22
14945.55  578.9914991.96  573.3115003.93  571.2315022.77  568.1315371.72  568.13
15403.69  573.9715434.34  581.2215525.75  609.8915545.33  612.7715791.04  647.77
 16244.6  652.8916693.24  657.4618869.63  656.9518988.39  656.9519224.94  657.04
19585.62  647.7920602.26  648.1720867.54  648.7822594.62  649.3922988.72  649.68
23424.86  653.0624095.27  658.9924326.12  660.6125474.73  660.6126129.51  651.22
26411.74  651.2227003.34  650.6127248.31  650.2627425.12   651.527569.41  652.11
27722.59  653.41 28025.6  656.5828357.18  659.5429488.89  688.2330173.49  688.54
31171.07  754.7331318.12  754.7931954.03  698.74 31989.8  698.7633632.23  774.63
 34707.5  767.22   34911  766.1635273.67  785.7235316.39  785.8135632.36  777.09
35974.16  787.2136137.11  787.5636935.16     79037652.36  790.4138014.04     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514932.37     .1515434.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      14932.3715434.34                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.02    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1480320.00   95332.48   1635704.00
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            1480320.00   95332.48   1635704.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3233150.00   302234.10   3194616.00
  Top Width (ft)          32060.14    Top Width (ft)          13676.47     501.97   17881.69
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.18       3.17       1.95
  Max Chl Dpth (ft)         191.89    Hydr. Depth (ft)          108.24     189.92      91.47
  Conv. Total (cfs)       692646300.0    Conv. (cfs)            332753200.0   31105690.0   328787400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13694.99     504.31   17895.53
  Min Ch El (ft)            568.13    Shear (lb/sq ft)            0.64       1.11       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.39       3.53       1.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    179284.60   26579.94   210608.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1655.25     131.22    2046.64


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276706.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  172.02  794.29  559.68  781.57 1179.13  762.61    1335  757.37
 1583.94  749.61 1729.93  749.38 2035.21  749.38 2326.63  749.21 3109.35  714.02
 3171.94  710.97 3251.49  710.62 3261.35   710.6 3437.12  719.66 3593.92  719.38
 3718.55  719.08 3852.36  715.84 4179.45  708.08 4578.08  699.08 4874.75  698.86
 5002.41   697.5 5141.32   695.5 5201.09  694.29 5517.68  691.16 5822.68  688.58
 5945.72  688.76 6137.93  687.52  6283.3   686.9 6345.49  686.28 6388.29  686.28
 6519.65  686.71 6709.64  696.72 6764.64  692.99 6877.71  685.56 7195.11   663.6
 7236.94  661.06 7371.98  646.78 7627.99  617.01 7640.29  615.49 7791.13  612.88
 7912.28  611.71 8134.37   610.8 8287.01  609.32 8446.92  606.53 8609.56  604.63
 8735.54  585.61 8750.59  585.58 8828.93  584.34 8975.91  582.48 9025.99  582.48
 9062.69  583.05 9173.43  612.89 9267.47  614.34 9606.25  613.81 9744.42  604.22
 9793.19  594.76 9979.12  594.4710199.59  612.8910461.94  612.4811016.78  611.86
12294.58  611.8612504.89  602.4813045.52  602.4813461.45   603.113513.94  603.72
13770.82  603.2713776.91  593.88 13870.1  592.9714445.94  585.8314936.17  581.24
14949.48  579.0114996.37  573.3215008.47  571.2415027.51  568.13 15376.7  568.13
15408.84  573.9615439.65  581.2415531.06  609.8915550.64  612.7715796.32  647.74
16249.83  652.8616698.42  657.4118874.58   656.918993.34   656.919229.86  656.99
 19590.5  647.7520607.03  648.1420872.28  648.7622599.18  649.3822993.24  649.67
23429.34  653.0624099.67     659 24330.5  660.6225478.98  660.62 26133.7  651.24
26415.89  651.2427007.44  650.6227252.38  650.2627429.17   651.527573.45   652.1
27726.61  653.3928029.59  656.5828361.13  659.5329492.73   688.230177.25  688.52
31174.73  754.6431321.77  754.7131957.61  698.7231993.37  698.7433635.63  774.54
34710.78  767.1534914.27   766.135276.89  785.6535319.61  785.7435635.55  777.05
35977.31  787.1736140.24  787.5236938.21     79037655.34  790.4138016.97     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514936.17     .1515439.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14936.1715439.65                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.02    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1480404.00   95612.71   1635944.00
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            1480404.00   95612.71   1635944.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3232201.00   303050.20   3194749.00
  Top Width (ft)          32065.03    Top Width (ft)          13680.09     503.48   17881.46
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.18       3.17       1.95
  Max Chl Dpth (ft)         191.89    Hydr. Depth (ft)          108.22     189.90      91.49
  Conv. Total (cfs)       692793800.0    Conv. (cfs)            332726400.0   31196330.0   328871100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13698.58     505.81   17895.28
  Min Ch El (ft)            568.13    Shear (lb/sq ft)            0.64       1.11       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.39       3.53       1.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    179114.70   26568.98   210420.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1653.68     131.17    2044.59


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276703.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  172.07  794.28  559.82  781.56 1179.43   762.6 1335.34  757.36
 1584.34   749.6 1730.37  749.37 2035.72  749.37 2327.22   749.2 3110.14  714.04
 3172.75  710.98 3252.31  710.63 3262.18  710.61 3437.99  719.66 3594.83  719.37
 3719.49  719.07 3853.34  715.82 4180.51  708.06 4579.24  699.06 4875.99  698.84
 5003.68  697.48 5142.63  695.48 5202.41  694.25 5519.08  691.12 5824.16  688.56
 5947.23  688.74 6139.49  687.48  6284.9  686.85  6347.1  686.22 6389.91  686.22
 6521.31  686.66 6711.35  696.67 6766.36  692.94 6879.46  685.53 7196.93   663.6
 7238.78  661.08 7373.85  646.84 7629.93   617.1 7642.23  615.58 7793.11  612.95
 7914.28  611.78 8136.44  610.89 8289.12  609.42 8449.07  606.61 8611.74   604.7
 8737.76   585.7 8752.81  585.67 8831.17  584.41 8978.19  582.52 9028.28  582.52
 9064.99  583.09 9175.76  612.94 9269.82  614.41 9608.69  613.87  9746.9  604.29
 9795.68  594.84 9981.65  594.5410202.18  612.9410464.59  612.5211019.57  611.89
 12297.7  611.8912508.06  602.5213048.83  602.5213464.87  603.1513517.38  603.78
13774.31  603.3313780.41  593.9413873.63  593.0314449.61  585.8514939.96  581.26
14953.41  579.0215000.79  573.3415013.01  571.2515032.24  568.1315381.68  568.13
15413.99  573.9615444.97  581.2615536.36  609.8915555.94  612.77 15801.6   647.7
16255.06  652.82 16703.6  657.3718879.54  656.8518998.28  656.8519234.78  656.94
19595.38  647.71 20611.8  648.1120877.03  648.7422603.74  649.3722997.76  649.67
23433.81  653.0624104.08  659.0124334.88  660.6325483.24  660.6326137.89  651.26
26420.05  651.2627011.53  650.6327256.46  650.2627433.22  651.4927577.49  652.08
27730.63  653.3828033.58  656.5728365.09  659.5329496.56  688.1730181.01  688.49
31178.38  754.5531325.41  754.6231961.18   698.731996.94  698.7233639.03  774.45
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34714.06  767.0834917.53  766.0435280.12  785.5835322.83  785.6735638.73     777
35980.46  787.1236143.38  787.4836941.26     79037658.31  790.4238019.91     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514939.96     .1515444.97     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14939.9615444.97                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.02    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1480499.00   95895.94   1636183.00
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            1480499.00   95895.94   1636183.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3231260.00   303873.30   3194867.00
  Top Width (ft)          32070.08    Top Width (ft)          13683.84     505.01   17881.23
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.18       3.17       1.95
  Max Chl Dpth (ft)         191.89    Hydr. Depth (ft)          108.19     189.89      91.50
  Conv. Total (cfs)       692943400.0    Conv. (cfs)            332701400.0   31287820.0   328954200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13702.32     507.33   17895.03
  Min Ch El (ft)            568.13    Shear (lb/sq ft)            0.64       1.11       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.39       3.53       1.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    178944.80   26557.99   210232.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1652.11     131.11    2042.54


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276700.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  172.11  794.28  559.97  781.54 1179.73   762.6 1335.68  757.36
 1584.74   749.6 1730.81  749.36 2036.24  749.36 2327.81  749.19 3110.93  714.05
 3173.55     711 3253.14  710.64 3263.01  710.62 3438.86  719.65 3595.74  719.36
 3720.44  719.05 3854.31  715.81 4181.57  708.04 4580.41  699.05 4877.23  698.82
 5004.95  697.46 5143.93  695.45 5203.73  694.22 5520.48  691.09 5825.63  688.54
 5948.73  688.72 6141.05  687.44 6286.49   686.8 6348.71  686.16 6391.54  686.16
 6522.96  686.61 6713.05  696.61 6768.08  692.89  6881.2  685.51 7198.76  663.61
 7240.62  661.09 7375.72  646.89 7631.87  617.19 7644.17  615.66 7795.09  613.02
 7916.29  611.85  8138.5  610.99 8291.22  609.51 8451.21  606.69 8613.93  604.78
 8739.98  585.79 8755.03  585.76 8833.41  584.48 8980.47  582.56 9030.57  582.56
 9067.29  583.14 9178.09  612.98 9272.17  614.48 9611.13  613.94 9749.37  604.35
 9798.17  594.91 9984.19  594.6210204.77  612.9810467.25  612.5611022.37  611.92
12300.82  611.9212511.24  602.5613052.15  602.5613468.29   603.213520.81  603.84
13777.81  603.3813783.91  594.0113877.15  593.0914453.28  585.8814943.75  581.28
14957.34  579.03 15005.2  573.3615017.55  571.2615036.98  568.1315386.66  568.13
15419.14  573.9515450.29  581.2815541.67  609.8915561.25  612.7615806.88  647.66
16260.29  652.7916708.79  657.3318884.49   656.819003.22   656.8 19239.7  656.89
19600.26  647.6820616.58  648.0820881.77  648.72 22608.3  649.3623002.28  649.66
23438.29  653.0524108.48  659.0224339.25  660.64 25487.5  660.6426142.08  651.28
26424.21  651.2827015.63  650.6427260.53  650.2727437.28  651.4927581.52  652.07
27734.65  653.3628037.57  656.5628369.04  659.52 29500.4  688.1430184.78  688.47
31182.04  754.4731329.05  754.5431964.75  698.6832000.51   698.733642.43  774.37
34717.35  767.0134920.79  765.9835283.34  785.5135326.05   785.635641.92  776.95
35983.61  787.0836146.51  787.4436944.31     79037661.28  790.4338022.84     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514943.75     .1515450.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14943.7515450.29                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.02    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1480581.00   96179.67   1636403.00
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            1480581.00   96179.67   1636403.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3230341.00   304699.50   3194959.00
  Top Width (ft)          32074.66    Top Width (ft)          13687.30     506.54   17880.82
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.18       3.17       1.95
  Max Chl Dpth (ft)         191.89    Hydr. Depth (ft)          108.17     189.88      91.52
  Conv. Total (cfs)       693090000.0    Conv. (cfs)            332677200.0   31379520.0   329033300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13705.73     508.86   17894.60
  Min Ch El (ft)            568.13    Shear (lb/sq ft)            0.64       1.11       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.39       3.52       1.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    178774.80   26546.97   210044.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1650.54     131.05    2040.49


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276697.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  172.15  794.27  560.11  781.53 1180.03   762.6 1336.02  757.35
 1585.15  749.59 1731.24  749.35 2036.76  749.35  2328.4  749.17 3111.71  714.07
 3174.36  711.01 3253.96  710.65 3263.83  710.63 3439.74  719.65 3596.66  719.35
 3721.38  719.04 3855.29  715.79 4182.63  708.02 4581.57  699.04 4878.47   698.8
 5006.22  697.44 5145.24  695.42 5205.05  694.18 5521.88  691.06 5827.11  688.51
 5950.25   688.7 6142.61   687.4 6288.09  686.75 6350.32   686.1 6393.16   686.1
 6524.62  686.55 6714.75  696.56  6769.8  692.85 6882.95  685.48 7200.59  663.62
 7242.46  661.11 7377.59  646.95  7633.8  617.28 7646.12  615.75 7797.07  613.09
  7918.3  611.93 8140.57  611.08 8293.33  609.61 8453.36  606.77 8616.11  604.85
 8742.19  585.88 8757.25  585.85 8835.65  584.55 8982.75   582.6 9032.86   582.6
 9069.59  583.19 9180.42  613.03 9274.53  614.55 9613.57     614 9751.85  604.42
 9800.65  594.99 9986.72  594.6910207.36  613.0310469.91  612.611025.17  611.95
12303.94  611.9512514.41   602.613055.46   602.6 13471.7  603.2513524.24   603.9
13781.31  603.4313787.41  594.0713880.67  593.1514456.95   585.914947.54   581.3
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14961.27  579.0415009.61  573.3815022.08  571.2715041.71  568.1315391.63  568.13
15424.29  573.9515455.61   581.315546.98  609.8915566.55  612.7615812.16  647.63
16265.53  652.7516713.97  657.2918889.45  656.7519008.16  656.7519244.61  656.85
19605.14  647.6420621.35  648.0520886.51   648.722612.87  649.35 23006.8  649.66
23442.76  653.0524112.88  659.0424343.63  660.6525491.76  660.6526146.27   651.3
26428.37   651.327019.72  650.65 27264.6  650.2727441.33  651.4927585.56  652.06
27738.67  653.3528041.56  656.5528372.99  659.5129504.23  688.1130188.54  688.44
 31185.7  754.3831332.69  754.4531968.33  698.6632004.08  698.6833645.82  774.28
34720.63  766.9434924.05  765.9135286.57  785.4435329.27  785.5335645.11   776.9
35986.76  787.0336149.64   787.436947.36     79037664.25  790.4338025.77     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514947.54     .1515455.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14947.5415455.61                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.09    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.02    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1480676.00   96463.06   1636635.00
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            1480676.00   96463.06   1636635.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3229424.00   305522.20   3195054.00
  Top Width (ft)          32079.55    Top Width (ft)          13690.91     508.07   17880.58
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.18       3.17       1.95
  Max Chl Dpth (ft)         191.89    Hydr. Depth (ft)          108.15     189.86      91.53
  Conv. Total (cfs)       693240000.0    Conv. (cfs)            332654700.0   31471060.0   329114300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13709.30     510.38   17894.34
  Min Ch El (ft)            568.13    Shear (lb/sq ft)            0.64       1.11       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.39       3.52       1.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    178604.90   26535.91   209856.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1648.97     130.99    2038.43


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276694.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   172.2  794.27  560.25  781.52 1180.33   762.6 1336.36  757.34
 1585.55  749.58 1731.68  749.34 2037.28  749.34    2329  749.16  3112.5  714.09
 3175.16  711.03 3254.79  710.66 3264.66  710.64 3440.61  719.64 3597.57  719.34
 3722.32  719.02 3856.27  715.77 4183.69     708 4582.73  699.02  4879.7  698.78
 5007.49  697.42 5146.55  695.39 5206.37  694.14 5523.28  691.03 5828.59  688.49
 5951.75  688.68 6144.16  687.36 6289.68   686.7 6351.93  686.04 6394.78  686.04
 6526.27   686.5 6716.46  696.51 6771.52   692.8  6884.7  685.45 7202.42  663.62
 7244.29  661.13 7379.46  647.01 7635.74  617.36 7648.06  615.84 7799.05  613.17
 7920.31     612 8142.63  611.18 8295.43  609.71  8455.5  606.85  8618.3  604.93
 8744.41  585.97 8759.48  585.94 8837.89  584.62 8985.03  582.64 9035.16  582.64
  9071.9  583.24 9182.75  613.08 9276.88  614.62 9616.01  614.06 9754.32  604.49
 9803.14  595.07 9989.25  594.7610209.95  613.0710472.57  612.6411027.97  611.98
12307.06  611.9812517.59  602.6413058.77  602.6413475.12   603.313527.67  603.96
13784.81  603.4813790.91  594.1313884.19  593.2114460.61  585.9314951.34  581.32
 14965.2  579.0515014.03   573.415026.62  571.2815046.44  568.1315396.61  568.13
15429.45  573.9515460.92  581.3215552.29  609.8815571.86  612.7615817.44  647.59
16270.76  652.7216719.16  657.25 18894.4   656.719013.11   656.719249.53   656.8
19610.02   647.620626.12  648.0220891.26  648.6822617.43  649.3423011.32  649.65
23447.23  653.0524117.29  659.0524348.01  660.6625496.02  660.6626150.46  651.32
26432.53  651.3227023.82  650.6627268.67  650.2827445.38  651.49 27589.6  652.04
27742.69  653.3328045.54  656.5528376.95   659.529508.07  688.08 30192.3  688.42
31189.36  754.2931336.33  754.37 31971.9  698.6432007.65  698.6633649.22  774.19
34723.91  766.8734927.32  765.8535289.79  785.3735332.49  785.4735648.29  776.85
35989.91  786.9836152.77  787.3636950.41     79037667.23  790.4438028.71     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514951.34     .1515460.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14951.3415460.92                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.09    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.02    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1480766.00   96742.74   1636868.00
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            1480766.00   96742.74   1636868.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3228505.00   306334.10   3195160.00
  Top Width (ft)          32084.46    Top Width (ft)          13694.52     509.58   17880.36
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.18       3.17       1.95
  Max Chl Dpth (ft)         191.89    Hydr. Depth (ft)          108.13     189.85      91.55
  Conv. Total (cfs)       693387000.0    Conv. (cfs)            332630600.0   31561380.0   329195000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13712.88     511.88   17894.09
  Min Ch El (ft)            568.13    Shear (lb/sq ft)            0.64       1.11       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.38       3.52       1.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    178434.90   26524.82   209669.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1647.40     130.93    2036.38


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276691.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   172.24  794.26  560.39  781.51 1180.63  762.59 1336.69  757.33
 1585.95  749.58 1732.12  749.33 2037.79  749.33 2329.59  749.15 3113.29   714.1
 3175.97  711.04 3255.62  710.67 3265.49  710.65 3441.48  719.64 3598.48  719.33
 3723.27  719.01 3857.25  715.76 4184.75  707.98 4583.89  699.01 4880.94  698.76
 5008.76   697.4 5147.85  695.37 5207.69  694.11 5524.68  690.99 5830.07  688.47
 5953.26  688.66 6145.72  687.32 6291.28  686.65 6353.55  685.98  6396.4  685.98
```

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 6527.93  686.45 6718.16  696.45 6773.23  692.76 6886.44  685.42 7204.24  663.63
 7246.13  661.15 7381.34  647.06 7637.68  617.45    7650  615.93 7801.02  613.24
 7922.32  612.07  8144.7  611.27 8297.53   609.8 8457.65  606.93 8620.49     605
 8746.63  586.06  8761.7  586.03 8840.14  584.69 8987.31  582.68 9037.45  582.68
  9074.2  583.29 9185.08  613.12 9279.23  614.69 9618.45  614.12  9756.8  604.56
 9805.63  595.15 9991.79  594.8310212.54  613.1210475.22  612.6811030.76  612.01
12310.19  612.0112520.76  602.6813062.09  602.6813478.54  603.35 13531.1  604.02
 13788.3  603.5413794.41   594.213887.72  593.2714464.28  585.9614955.13  581.34
14969.13  579.0615018.44  573.4115031.16  571.2915051.18  568.1315401.59  568.13
 15434.6  573.9415466.24  581.3415557.59  609.8815577.16  612.7515822.72  647.56
16275.99  652.6816724.34  657.2118899.36  656.6519018.05  656.6519254.45  656.75
 19614.9  647.5720630.89  647.99   20896  648.6622621.99  649.3323015.84  649.65
23451.71  653.0424121.69  659.0624352.39  660.6725500.27  660.6726154.64  651.34
26436.69  651.3427027.92  650.6727272.74  650.2827449.43  651.4927593.63  652.03
27746.71  653.3228049.54  656.54 28380.9   659.5 29511.9  688.0530196.06   688.4
31193.01  754.2131339.97  754.2831975.48  698.6232011.22  698.6433652.62   774.1
 34727.2  766.7934930.58  765.7935293.02   785.335335.71   785.435651.48  776.81
35993.06  786.9436155.91  787.3236953.46     790 37670.2  790.4538031.64     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514955.13     .1515466.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14955.1315466.24                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.02    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1480852.00   97026.70   1637085.00
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            1480852.00   97026.70   1637085.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3227583.00   307163.40   3195254.00
  Top Width (ft)          32089.52    Top Width (ft)          13698.28     511.11   17880.13
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.18       3.17       1.95
  Max Chl Dpth (ft)         191.89    Hydr. Depth (ft)          108.11     189.84      91.56
  Conv. Total (cfs)       693526700.0    Conv. (cfs)            332602600.0   31653200.0   329271000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13716.60     513.40   17893.85
  Min Ch El (ft)            568.13    Shear (lb/sq ft)            0.63       1.11       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.38       3.52       1.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    178264.90   26513.70   209481.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1645.83     130.87    2034.33


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276688.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  172.29  794.26  560.54  781.49 1180.93  762.59 1337.03  757.32
 1586.35  749.57 1732.56  749.32 2038.31  749.32 2330.18  749.14 3114.08  714.12
 3176.77  711.06 3256.44  710.68 3266.32  710.66 3442.35  719.63  3599.4  719.32
 3724.21  718.99 3858.23  715.74 4185.81  707.96 4585.06  698.99 4882.18  698.75
 5010.03  697.38 5149.16  695.34 5209.01  694.07 5526.08  690.96 5831.55  688.44
 5954.77  688.64 6147.28  687.28 6292.88   686.6 6355.16  685.92 6398.03  685.92
 6529.58  686.39 6719.86   696.4 6774.95  692.71 6888.19   685.4 7206.07  663.64
 7247.97  661.16 7383.21  647.12 7639.61  617.54 7651.94  616.02    7803  613.31
 7924.33  612.14 8146.77  611.37 8299.64   609.9 8459.79     607 8622.67  605.08
 8748.85  586.15 8763.92  586.12 8842.38  584.76 8989.59  582.72 9039.74  582.72
  9076.5  583.34 9187.41  613.17 9281.59  614.76 9620.88  614.18 9759.27  604.63
 9808.11  595.22 9994.32   594.910215.13  613.1710477.88  612.7211033.56  612.04
12313.31  612.0412523.94  602.72 13065.4  602.7213481.96   603.413534.53  604.08
 13791.8  603.5913797.91  594.2613891.24  593.3314467.95  585.9814958.92  581.36
14973.06  579.0815022.85  573.43 15035.7  571.2915055.91  568.1315406.57  568.13
15439.75  573.9415471.56  581.36 15562.9  609.8815582.47  612.75   15828  647.52
16281.22  652.6516729.53  657.1618904.31   656.619022.99   656.619259.36   656.7
19619.78  647.5320635.66  647.9620900.74  648.6422626.55  649.3223020.37  649.64
23456.18  653.0424126.09  659.0724356.77  660.6825504.53  660.6826158.83  651.36
26440.85  651.3627032.02  650.6827276.81  650.2927453.48  651.4927597.67  652.02
27750.73  653.3128053.52  656.5328384.85  659.4929515.74  688.0230199.82  688.37
31196.67  754.1231343.61   754.231979.05   698.632014.79  698.6233656.01  774.01
34730.48  766.7234933.84  765.7235296.24  785.2335338.93  785.3335654.66  776.76
35996.21  786.8936159.04  787.2836956.51     79037673.18  790.4538034.58     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514958.92     .1515471.56     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14958.9215471.56                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.02    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1480945.00   97309.68   1637336.00
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            1480945.00   97309.68   1637336.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3226636.00   307980.80   3195383.00
  Top Width (ft)          32094.43    Top Width (ft)          13701.88     512.64   17879.91
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.18       3.16       1.95
  Max Chl Dpth (ft)         191.89    Hydr. Depth (ft)          108.08     189.82      91.57
  Conv. Total (cfs)       693682000.0    Conv. (cfs)            332579400.0   31744540.0   329358000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13720.18     514.92   17893.60
  Min Ch El (ft)            568.13    Shear (lb/sq ft)            0.63       1.11       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.38       3.51       1.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    178094.90   26502.55   209293.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1644.26     130.82    2032.28


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276685.*

INPUT
Description:
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Station Elevation Data     num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  172.33  794.25  560.68  781.48 1181.22  762.59 1337.37  757.32
 1586.75  749.57    1733  749.31 2038.83  749.31 2330.77  749.12 3114.87  714.14
 3177.58  711.08 3257.27  710.69 3267.15  710.67 3443.23  719.63 3600.31  719.31
 3725.16  718.98 3859.21  715.72 4186.88  707.95 4586.22  698.98 4883.42  698.73
  5011.3  697.37 5150.46  695.31 5210.33  694.03 5527.48  690.93 5833.03  688.42
 5956.28  688.62 6148.84  687.24 6294.47  686.55 6356.77  685.86 6399.65  685.86
 6531.24  686.34 6721.57  696.35 6776.67  692.67 6889.94  685.37  7207.9  663.64
 7249.81  661.18 7385.08  647.18 7641.55  617.63 7653.88  616.11 7804.98  613.38
 7926.34  612.22 8148.83  611.46 8301.74     610 8461.94  607.08 8624.86  605.15
 8751.07  586.24 8766.14  586.21 8844.62  584.83 8991.87  582.76 9042.03  582.76
  9078.8  583.39 9189.74  613.22 9283.94  614.83 9623.32  614.24 9761.75  604.69
  9810.6   595.3 9996.86  594.9810217.72  613.2110480.54  612.7611036.36  612.07
12316.43  612.0712527.12  602.7613068.71  602.7613485.38  603.4513537.97  604.14
 13795.3  603.64 13801.4  594.3213894.76  593.3914471.62  586.0114962.72  581.38
14976.99  579.0915027.27  573.4515040.24   571.315060.65  568.1215411.55  568.12
 15444.9  573.9315476.87  581.3815568.21  609.8815587.77  612.7515833.28  647.48
16286.45  652.6116734.71  657.1218909.27  656.5519027.93  656.5519264.28  656.65
19624.66   647.520640.44  647.9320905.49  648.6222631.11  649.3123024.88  649.64
23460.65  653.04 24130.5  659.0824361.15  660.6925508.79  660.6926163.02  651.38
26445.01  651.3827036.11  650.6927280.88  650.2927457.54  651.4827601.71  652.01
27754.75  653.2928057.51  656.5328388.81  659.4829519.57     68830203.59  688.35
31200.32  754.0331347.25  754.1131982.62  698.5832018.37   698.633659.41  773.92
34733.77  766.65 34937.1  765.6635299.46  785.1635342.15  785.2635657.85  776.71
35999.36  786.8536162.17  787.2436959.55     79037676.15  790.4638037.52     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514962.72     .1515476.87     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14962.7215476.87                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.02    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1481024.00   97593.48   1637558.00
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            1481024.00   97593.48   1637558.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3225716.00   308812.80   3195471.00
  Top Width (ft)          32099.20    Top Width (ft)          13705.35     514.15   17879.70
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.18       3.16       1.95
  Max Chl Dpth (ft)         191.90    Hydr. Depth (ft)          108.06     189.82      91.59
  Conv. Total (cfs)       693826000.0    Conv. (cfs)            332553600.0   31836900.0   329435500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13723.63     516.43   17893.37
  Min Ch El (ft)            568.12    Shear (lb/sq ft)            0.63       1.11       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.38       3.51       1.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    177924.90   26491.36   209105.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1642.68     130.76    2030.22


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276682.*

INPUT
Description:
Station Elevation Data     num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  172.37  794.25  560.82  781.47 1181.52  762.58 1337.71  757.31
 1587.16  749.56 1733.44   749.3 2039.34   749.3 2331.36  749.11 3115.66  714.15
 3178.39  711.09 3258.09   710.7 3267.97  710.68  3444.1  719.62 3601.22   719.3
  3726.1  718.96 3860.18   715.7 4187.94  707.93 4587.38  698.96 4884.66  698.71
 5012.57  697.35 5151.77  695.28 5211.65     694 5528.88  690.89 5834.51   688.4
 5957.79   688.6  6150.4   687.2 6296.07   686.5 6358.38   685.8 6401.27   685.8
  6532.9  686.29 6723.27   696.3 6778.39  692.62 6891.68  685.34 7209.72  663.65
 7251.65   661.2 7386.95  647.23 7643.49  617.72 7655.82  616.19 7806.96  613.45
 7928.35  612.29  8150.9  611.56 8303.85  610.09 8464.08  607.16 8627.05  605.23
 8753.29  586.33 8768.36   586.3 8846.86   584.9 8994.15   582.8 9044.32   582.8
  9081.1  583.44 9192.07  613.26 9286.29   614.9 9625.76   614.3 9764.22  604.76
 9813.09  595.38 9999.39  595.0510220.31  613.2610483.19   612.811039.16   612.1
12319.55   612.112530.29   602.813072.03   602.8 13488.8   603.5 13541.4   604.2
13798.79   603.7 13804.9  594.3813898.28  593.4514475.29  586.0314966.51   581.4
14980.92   579.115031.68  573.4715044.77  571.3115065.38  568.1215416.53  568.12
15450.05  573.9315482.19   581.415573.51  609.8815593.08  612.7515838.56  647.45
16291.68  652.5816739.89  657.0818914.22   656.519032.87   656.5 19269.2   656.6
19629.54  647.4620645.21   647.920910.23   648.622635.67   649.3 23029.4  649.63
23465.13  653.03 24134.9  659.0924365.53   660.725513.05   660.726167.21   651.4
26449.17   651.427040.21   650.727284.95  650.2927461.59  651.4827605.74  651.99
27758.77  653.28 28061.5  656.5228392.76  659.47 29523.4  687.9730207.35  688.33
31203.98  753.95 31350.9  754.02 31986.2  698.5632021.94  698.5833662.81  773.84
34737.05  766.5834940.36   765.635302.69  785.0935345.37  785.1935661.04  776.66
36002.51   786.8 36165.3   787.236962.61     79037679.12  790.4738040.45     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514966.51     .1515482.19     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14966.5115482.19                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.02    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1481124.00   97876.77   1637784.00
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            1481124.00   97876.77   1637784.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3224801.00   309633.00   3195566.00
  Top Width (ft)          32104.09    Top Width (ft)          13709.11     515.68   17879.30
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.18       3.16       1.95
  Max Chl Dpth (ft)         191.90    Hydr. Depth (ft)          108.04     189.80      91.60
  Conv. Total (cfs)       693975500.0    Conv. (cfs)            332530800.0   31928330.0   329516300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13727.35     517.95   17892.95
  Min Ch El (ft)            568.12    Shear (lb/sq ft)            0.63       1.11       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.38       3.51       1.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    177754.90   26480.14   208917.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1641.11     130.70    2028.17
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CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276679.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  172.42  794.25  560.96  781.46 1181.82  762.58 1338.05   757.3
 1587.56  749.55 1733.88  749.29 2039.86  749.29 2331.95   749.1 3116.45  714.17
 3179.19  711.11 3258.92  710.71  3268.8  710.69 3444.97  719.62 3602.13  719.29
 3727.05  718.95 3861.16  715.69    4189  707.91 4588.54  698.95 4885.89  698.69
 5013.85  697.33 5153.07  695.26 5212.97  693.96 5530.29  690.86 5835.98  688.38
  5959.3  688.58 6151.96  687.16 6297.66  686.45 6359.99  685.74 6402.89  685.74
 6534.55  686.24 6724.98  696.24  6780.1  692.57 6893.43  685.32 7211.55  663.66
 7253.48  661.21 7388.82  647.29 7645.43  617.81 7657.76  616.28 7808.94  613.52
 7930.36  612.36 8152.96  611.65 8305.95  610.19 8466.23  607.24 8629.23   605.3
  8755.5  586.43 8770.59  586.39  8849.1  584.97 8996.43  582.84 9046.62  582.84
  9083.4  583.49  9194.4  613.31 9288.65  614.97  9628.2  614.37 9766.69  604.83
 9815.57  595.4510001.93  595.12 10222.9  613.3110485.85  612.8411041.96  612.13
12322.67  612.1312533.47  602.8413075.34  602.8413492.21  603.5513544.83  604.26
13802.29  603.75 13808.4  594.4513901.81  593.5114478.96  586.06 14970.3  581.42
14984.85  579.1115036.09  573.4815049.31  571.3215070.11  568.1215421.51  568.12
 15455.2  573.9215487.51  581.4215578.82  609.8715598.38  612.7415843.83  647.41
16296.92  652.5416745.08  657.0418919.18  656.4519037.81  656.4519274.12  656.55
19634.41  647.4220649.98  647.8720914.98  648.5822640.24  649.2923033.92  649.63
 23469.6  653.03 24139.3  659.1124369.91  660.71 25517.3  660.71 26171.4  651.42
26453.33  651.42 27044.3  650.7127289.02   650.327465.64  651.4827609.78  651.98
27762.79  653.2628065.49  656.5128396.71  659.4729527.24  687.9430211.11   688.3
31207.64  753.8631354.54  753.9431989.78  698.5432025.51  698.56 33666.2  773.75
34740.34  766.5134943.62  765.5435305.91  785.0235348.59  785.1235664.22  776.62
36005.66  786.7636168.44  787.1636965.65     79037682.09  790.4738043.39     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 14970.3     .1515487.51     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       14970.315487.51                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.02    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1481199.00   98160.48   1638014.00
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            1481199.00   98160.48   1638014.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3223853.00   310458.60   3195688.00
  Top Width (ft)          32109.00    Top Width (ft)          13712.71     517.21   17879.08
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.18       3.16       1.95
  Max Chl Dpth (ft)         191.90    Hydr. Depth (ft)          108.02     189.79      91.62
  Conv. Total (cfs)       694117800.0    Conv. (cfs)            332501300.0   32020040.0   329596400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13730.92     519.48   17892.71
  Min Ch El (ft)            568.12    Shear (lb/sq ft)            0.63       1.11       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.38       3.51       1.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    177584.90   26468.89   208729.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1639.54     130.64    2026.12


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276676.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  172.46  794.24   561.1  781.44 1182.12  762.58 1338.39  757.29
 1587.96  749.55 1734.32  749.28 2040.38  749.28 2332.54  749.08 3117.24  714.19
    3180  711.12 3259.74  710.72 3269.63   710.7 3445.84  719.61 3603.05  719.28
 3727.99  718.93 3862.14  715.67 4190.06  707.89 4589.71  698.93 4887.13  698.67
 5015.12  697.31 5154.38  695.23  5214.3  693.93 5531.69  690.83 5837.46  688.35
 5960.81  688.56 6153.52  687.12 6299.26   686.4  6361.6  685.68 6404.51  685.68
 6536.21  686.18 6726.68  696.19 6781.82  692.53 6895.18  685.29 7213.38  663.67
 7255.32  661.23  7390.7  647.35 7647.36   617.9  7659.7  616.37 7810.92   613.6
 7932.37  612.44 8155.03  611.75 8308.06  610.29 8468.37  607.32 8631.42  605.37
 8757.72  586.52 8772.81  586.48 8851.35  585.04 8998.71  582.88 9048.91  582.88
  9085.7  583.54 9196.73  613.36    9291  615.04 9630.64  614.43 9769.17   604.9
 9818.06  595.5310004.46  595.1910225.49  613.3510488.51  612.8811044.75  612.16
 12325.8  612.1612536.64  602.8813078.65  602.8813495.63   603.613548.26  604.32
13805.79   603.8 13811.9  594.5113905.33  593.5714482.62  586.08 14974.1  581.44
14988.79  579.1215040.51   573.515053.85  571.3315074.85  568.1215426.49  568.12
15460.35  573.9215492.82  581.4415584.13  609.8715603.69  612.7415849.11  647.37
16302.15  652.5116750.26     65718924.13   656.419042.76   656.419279.03  656.51
19639.29  647.3920654.75  647.8420919.72  648.56 22644.8  649.2823038.45  649.62
23474.08  653.0324143.71  659.1224374.29  660.7225521.56  660.7226175.59  651.44
26457.48  651.44 27048.4  650.7227293.09   650.327469.69  651.4827613.82  651.97
27766.81  653.2528069.48  656.5128400.67  659.4629531.07  687.9130214.87  688.28
31211.29  753.7731358.18  753.8531993.35  698.5232029.08  698.54 33669.6  773.66
34743.62  766.4434946.89  765.4735309.13  784.9535351.81  785.0535667.41  776.57
36008.81  786.7136171.57  787.12 36968.7     79037685.07  790.4838046.32     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 14974.1     .1515492.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       14974.115492.82                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.02    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1481296.00   98440.05   1638238.00
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            1481296.00   98440.05   1638238.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3222963.00   311267.60   3195770.00
  Top Width (ft)          32113.92    Top Width (ft)          13716.32     518.72   17878.88
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.18       3.16       1.95
  Max Chl Dpth (ft)         191.90    Hydr. Depth (ft)          108.00     189.77      91.63
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  Conv. Total (cfs)       694264000.0    Conv. (cfs)            332479500.0   32110230.0   329674300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13734.50     520.98   17892.48
  Min Ch El (ft)            568.12    Shear (lb/sq ft)            0.63       1.11       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.38       3.50       1.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    177414.90   26457.61   208541.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1637.96     130.58    2024.07


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276674.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   172.5  794.24  561.25  781.43 1182.42  762.58 1338.73  757.28
 1588.36  749.54 1734.76  749.27 2040.89  749.27 2333.13  749.07 3118.03  714.21
  3180.8  711.14 3260.57  710.73 3270.46  710.71 3446.72   719.6 3603.96  719.27
 3728.94  718.92 3863.12  715.65 4191.12  707.87 4590.87  698.92 4888.37  698.65
 5016.39  697.29 5155.69   695.2 5215.62  693.89 5533.09  690.79 5838.94  688.33
 5962.32  688.54 6155.08  687.08 6300.85  686.35 6363.21  685.62 6406.14  685.62
 6537.86  686.13 6728.38  696.14 6783.54  692.48 6896.92  685.26 7215.21  663.67
 7257.16  661.25 7392.57   647.4  7649.3  617.98 7661.64  616.46  7812.9  613.67
 7934.38  612.51 8157.09  611.84 8310.16  610.38 8470.52   607.4 8633.61  605.45
 8759.94  586.61 8775.03  586.57 8853.59  585.11 9000.99  582.92  9051.2  582.92
 9088.01  583.59 9199.06   613.4 9293.35  615.11 9633.08  614.49 9771.64  604.97
 9820.55  595.6110006.99  595.2710228.08   613.410491.16  612.9211047.55  612.19
12328.92  612.1912539.82  602.9213081.96  602.9213499.05  603.6513551.69  604.38
13809.29  603.85 13815.4  594.5713908.85  593.6314486.29  586.1114977.89  581.46
14992.71  579.1415044.92  573.5215058.39  571.3415079.58  568.1215431.47  568.12
15465.51  573.9215498.14  581.4615589.44  609.87   15609  612.7415854.39  647.34
16307.38  652.4716755.45  656.9618929.08  656.35 19047.7  656.3519283.95  656.46
19644.17  647.3520659.52  647.8120924.46  648.5422649.36  649.2723042.96  649.62
23478.55  653.0224148.11  659.1324378.67  660.7325525.82  660.7326179.78  651.46
26461.64  651.46 27052.5  650.7327297.16  650.3127473.74  651.4827617.86  651.95
27770.83  653.2328073.47   656.528404.62  659.4529534.91  687.8830218.63  688.25
31214.95  753.6931361.82  753.7731996.92   698.532032.65  698.52   33673  773.57
 34746.9  766.3734950.15  765.4135312.36  784.8835355.03  784.98 35670.6  776.52
36011.96  786.6636174.71  787.0836971.75     79037688.04  790.4938049.25     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514977.89     .1515498.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14977.8915498.14                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.02    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1481385.00   98722.82   1638476.00
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            1481385.00   98722.82   1638476.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3222034.00   312084.20   3195881.00
  Top Width (ft)          32118.83    Top Width (ft)          13719.92     520.25   17878.66
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.18       3.16       1.95
  Max Chl Dpth (ft)         191.90    Hydr. Depth (ft)          107.97     189.76      91.64
  Conv. Total (cfs)       694413800.0    Conv. (cfs)            332455400.0   32201420.0   329756900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13738.07     522.50   17892.25
  Min Ch El (ft)            568.12    Shear (lb/sq ft)            0.63       1.11       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.38       3.50       1.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    177244.90   26446.29   208353.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1636.39     130.52    2022.01


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276671.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  172.55  794.23  561.39  781.42 1182.72  762.57 1339.07  757.28
 1588.77  749.53  1735.2  749.26 2041.41  749.26 2333.72  749.06 3118.82  714.22
 3181.61  711.15  3261.4  710.74 3271.29  710.72 3447.59   719.6 3604.87  719.26
 3729.88   718.9  3864.1  715.64 4192.18  707.85 4592.03   698.9 4889.61  698.63
 5017.66  697.27 5156.99  695.18 5216.94  693.85 5534.49  690.76 5840.42  688.31
 5963.83  688.52 6156.63  687.04 6302.45   686.3 6364.83  685.56 6407.76  685.56
 6539.52  686.08 6730.09  696.08 6785.26  692.44 6898.67  685.23 7217.03  663.68
    7259  661.27 7394.44  647.46 7651.24  618.07 7663.58  616.55 7814.87  613.74
 7936.39  612.58 8159.16  611.94 8312.27  610.48 8472.66  607.47 8635.79  605.52
 8762.16   586.7 8777.25  586.66 8855.83  585.18 9003.27  582.96 9053.49  582.96
 9090.31  583.63 9201.39  613.45 9295.71  615.18 9635.52  614.55 9774.12  605.03
 9823.04  595.6810009.53  595.3410230.67  613.4510493.82  612.9611050.35  612.22
12332.04  612.2212542.99  602.9613085.28  602.9613502.47   603.713555.12  604.44
13812.78  603.91 13818.9  594.6313912.37   593.714489.96  586.1414981.68  581.48
14996.65  579.1515049.33  573.5415062.92  571.3515084.32  568.1215436.45  568.12
15470.66  573.9115503.46  581.4815594.74  609.87 15614.3  612.7315859.67   647.3
16312.61  652.4416760.63  656.9118934.04   656.319052.64   656.319288.87  656.41
19649.05  647.3120664.29  647.7820929.21  648.5222653.92  649.2623047.48  649.61
23483.03  653.0224152.51  659.1424383.04  660.7425530.08  660.7426183.97  651.48
 26465.8  651.4827056.59  650.7427301.23  650.3127477.79  651.4827621.89  651.94
27774.85  653.2228077.46  656.4928408.58  659.4429538.74  687.85 30222.4  688.23
31218.61   753.631365.46  753.68 32000.5  698.4832036.22   698.5 33676.4  773.48
34750.19  766.2934953.41  765.3535315.58  784.8135358.25  784.9235673.78  776.47
36015.11  786.6236177.84  787.04 36974.8     79037691.01  790.4938052.19     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514981.68     .1515503.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14981.6815503.46                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
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  Vel Head (ft)              0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           760.02    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1481469.00   99006.27   1638725.00
  E.G. Slope (ft/ft)     0.000094    Area (sq ft)            1481469.00   99006.27   1638725.00
  Q Total (cfs)          6730000.00    Flow (cfs)              3221074.00   312902.60   3196023.00
  Top Width (ft)         32123.77    Top Width (ft)          13723.53     521.78   17878.46
  Vel Total (ft/s)           2.09    Avg. Vel. (ft/s)           2.17       3.16       1.95
  Max Chl Dpth (ft)        191.90    Hydr. Depth (ft)         107.95     189.75      91.66
  Conv. Total (cfs)      694565200.0    Conv. (cfs)            332428800.0   32292910.0   329843500.0
  Length Wtd. (ft)           5.00    Wetted Per. (ft)        13741.66     524.02   17892.02
  Min Ch El (ft)           568.12    Shear (lb/sq ft)           0.63       1.11       0.54
  Alpha                      1.04    Stream Power (lb/ft s)     1.37       3.50       1.05
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    177074.80   26434.95   208165.10
  C & E Loss (ft)            0.00    Cum SA (acres)           1634.81     130.46    2019.96


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276668.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  172.59  794.23  561.53  781.41 1183.02  762.57 1339.41  757.27
 1589.17  749.53 1735.64  749.25 2041.93  749.25 2334.31  749.05 3119.61  714.24
 3182.41  711.17 3262.22  710.75 3272.12  710.73 3448.46  719.59 3605.78  719.25
 3730.82  718.89 3865.08  715.62 4193.24  707.83 4593.19  698.89 4890.84  698.62
 5018.93  697.25  5158.3  695.15 5218.26  693.82 5535.89  690.73  5841.9  688.28
 5965.34   688.5 6158.19    687 6304.04  686.25 6366.44   685.5 6409.38   685.5
 6541.17  686.02 6731.79  696.03 6786.98  692.39 6900.42  685.21 7218.86  663.69
 7260.84  661.28 7396.31  647.52 7653.17  618.16 7665.52  616.64 7816.85  613.81
  7938.4  612.65 8161.23  612.03 8314.37  610.58 8474.81  607.55 8637.98   605.6
 8764.38  586.79 8779.48  586.75 8858.07  585.25 9005.55     583 9055.78     583
 9092.61  583.68 9203.72   613.5 9298.06  615.25 9637.96  614.61 9776.59   605.1
 9825.52  595.7610012.06  595.4110233.26  613.4910496.48     61311053.15  612.25
12335.16  612.2512546.17     60313088.59     60313505.89  603.7513558.56   604.5
13816.28  603.96 13822.4   594.713915.89  593.7614493.63  586.1614985.47   581.5
15000.58  579.1615053.75  573.5615067.46  571.3615089.05  568.1215441.42  568.12
15475.81  573.9115508.78   581.515600.05  609.8715619.61  612.7315864.95  647.26
16317.84   652.416765.81  656.8718938.99  656.2519057.58  656.2519293.78  656.36
19653.93  647.2820669.07  647.7520933.95   648.522658.48  649.25   23052  649.61
 23487.5  653.0224156.92  659.1524387.42  660.7525534.34  660.7526188.15   651.5
26469.96   651.527060.69  650.75 27305.3  650.3127481.85  651.4727625.93  651.93
27778.88  653.2128081.44  656.4828412.53  659.4429542.58  687.8230226.16  688.21
31222.27  753.52 31369.1   753.632004.07  698.4532039.79  698.4733679.79   773.4
34753.47  766.2234956.68  765.2835318.81  784.7435361.47  784.8535676.97  776.43
36018.27  786.5736180.97     78736977.85     79037693.99   790.538055.12     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514985.47     .1515508.78     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14985.4715508.78                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           760.02    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1481553.00   99289.32   1638944.00
  E.G. Slope (ft/ft)     0.000094    Area (sq ft)            1481553.00   99289.32   1638944.00
  Q Total (cfs)          6730000.00    Flow (cfs)              3220157.00   313722.50   3196121.00
  Top Width (ft)         32128.55    Top Width (ft)          13727.13     523.31   17878.11
  Vel Total (ft/s)           2.09    Avg. Vel. (ft/s)           2.17       3.16       1.95
  Max Chl Dpth (ft)        191.90    Hydr. Depth (ft)         107.93     189.73      91.67
  Conv. Total (cfs)      694708400.0    Conv. (cfs)            332402700.0   32384190.0   329921500.0
  Length Wtd. (ft)           5.00    Wetted Per. (ft)        13745.22     525.55   17891.65
  Min Ch El (ft)           568.12    Shear (lb/sq ft)           0.63       1.11       0.54
  Alpha                      1.04    Stream Power (lb/ft s)     1.37       3.50       1.05
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    176904.80   26423.56   207977.00
  C & E Loss (ft)            0.00    Cum SA (acres)           1633.24     130.40    2017.91


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276665.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  172.64  794.22  561.67   781.4 1183.32  762.57 1339.75  757.26
 1589.57  749.52 1736.08  749.24 2042.44  749.24  2334.9  749.03  3120.4  714.26
 3183.22  711.19 3263.05  710.76 3272.94  710.74 3449.34  719.59  3606.7  719.24
 3731.77  718.87 3866.05   715.6  4194.3  707.81 4594.36  698.87 4892.08   698.6
  5020.2  697.24  5159.6  695.12 5219.58  693.78 5537.29  690.69 5843.38  688.26
 5966.85  688.48 6159.75  686.96 6305.64   686.2 6368.05  685.44    6411  685.44
 6542.83  685.97  6733.5  695.98 6788.69  692.34 6902.16  685.18 7220.69  663.69
 7262.67   661.3 7398.19  647.57 7655.11  618.25 7667.46  616.73 7818.83  613.88
 7940.41  612.73 8163.29  612.13 8316.47  610.67 8476.95  607.63 8640.16  605.67
  8766.6  586.88  8781.7  586.84 8860.32  585.32 9007.83  583.04 9058.08  583.04
 9094.91  583.73 9206.05  613.54 9300.41  615.32  9640.4  614.67 9779.07  605.17
 9828.01  595.84 10014.6  595.4810235.85  613.5410499.13  613.0411055.94  612.28
12338.29  612.2812549.34  603.04 13091.9  603.0413509.31   603.813561.99  604.56
13819.78  604.0113825.89  594.7613919.42  593.82 14497.3  586.1914989.27  581.52
15004.51  579.1715058.16  573.57   15072  571.3715093.78  568.12 15446.4  568.12
15480.96   573.915514.09  581.5215605.36  609.8715624.91  612.7315870.23  647.23
16323.07  652.37   16771  656.8318943.95   656.219062.53   656.2 19298.7  656.31
19658.81  647.2420673.84  647.72 20938.7  648.4822663.04  649.2423056.53   649.6
23491.97  653.0124161.32  659.17 24391.8  660.7625538.59  660.7626192.34  651.52
26474.12  651.5227064.79  650.7627309.37  650.32 27485.9  651.4727629.96  651.92
 27782.9  653.1928085.43  656.4828416.48  659.4329546.41  687.7930229.92  688.18
31225.92  753.4331372.74  753.5132007.65  698.4332043.36  698.4533683.19  773.31
34756.75  766.1534959.94  765.2235322.03  784.6635364.69  784.7835680.16  776.38
36021.41  786.5336184.11  786.96 36980.9     79037696.96  790.5138058.06     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
```

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       0     .1514989.27     .1515514.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14989.2715514.09                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.02    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1481649.00   99569.38   1639184.00
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            1481649.00   99569.38   1639184.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3219245.00   314530.20   3196226.00
  Top Width (ft)          32133.48    Top Width (ft)          13730.74     524.82   17877.92
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.17       3.16       1.95
  Max Chl Dpth (ft)         191.90    Hydr. Depth (ft)          107.91     189.72      91.69
  Conv. Total (cfs)       694860200.0    Conv. (cfs)            332381100.0   32474660.0   330004400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13748.80     527.05   17891.44
  Min Ch El (ft)            568.12    Shear (lb/sq ft)            0.63       1.11       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.37       3.49       1.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    176734.70   26412.15   207788.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1631.66     130.34    2015.86


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276662.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  172.68  794.22  561.81  781.38 1183.62  762.56 1340.08  757.25
 1589.97  749.51 1736.52  749.23 2042.96  749.23 2335.49  749.02 3121.19  714.27
 3184.02   711.2 3263.87  710.77 3273.77  710.75 3450.21  719.58 3607.61  719.23
 3732.71  718.86 3867.03  715.59 4195.37  707.79 4595.52  698.86 4893.32  698.58
 5021.47  697.22 5160.91  695.09  5220.9  693.74 5538.69  690.66 5844.86  688.24
 5968.36  688.46 6161.31  686.92 6307.24  686.15 6369.66  685.38 6412.63  685.38
 6544.48  685.92  6735.2  695.92 6790.41   692.3 6903.91  685.15 7222.51   663.7
 7264.51  661.32 7400.06  647.63 7657.05  618.34  7669.4  616.81 7820.81  613.95
 7942.42   612.8 8165.36  612.23 8318.58  610.77  8479.1  607.71 8642.35  605.75
 8768.81  586.97 8783.92  586.93 8862.56  585.39 9010.11  583.08 9060.37  583.08
 9097.21  583.78 9208.38  613.59 9302.77  615.39 9642.84  614.73 9781.54  605.24
  9830.5  595.9110017.13  595.5510238.44  613.5910501.79  613.0811058.74  612.31
12341.41  612.3112552.52  603.0813095.22  603.0813512.73  603.8513565.42  604.62
13823.27  604.0613829.39  594.8213922.94  593.8814500.97  586.2114993.06  581.54
15008.44  579.1815062.57  573.5915076.54  571.3815098.52  568.1215451.38  568.12
15486.11   573.915519.41  581.5415610.67  609.8615630.22  612.7315875.51  647.19
 16328.3  652.3316776.18  656.79 18948.9  656.1519067.47  656.1519303.62  656.26
19663.69   647.220678.61  647.6920943.44  648.4622667.61  649.2323061.04   649.6
23496.45  653.0124165.72  659.1824396.18  660.7725542.85  660.7726196.53  651.54
26478.28  651.5427068.88  650.7727313.45  650.3227489.95  651.47   27634   651.9
27786.92  653.1828089.42  656.4728420.44  659.4229550.24  687.7630233.68  688.16
31229.58  753.3431376.38  753.4332011.22  698.4132046.93  698.4333686.59  773.22
34760.04  766.08 34963.2  765.1635325.25  784.5935367.91  784.7135683.34  776.33
36024.57  786.4836187.24  786.9236983.95     79037699.93  790.51   38061     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514993.06     .1515519.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14993.0615519.41                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.02    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1481738.00   99852.42   1639417.00
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            1481738.00   99852.42   1639417.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3218310.00   315348.20   3196342.00
  Top Width (ft)          32138.57    Top Width (ft)          13734.50     526.35   17877.71
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.17       3.16       1.95
  Max Chl Dpth (ft)         191.90    Hydr. Depth (ft)          107.88     189.71      91.70
  Conv. Total (cfs)       695005600.0    Conv. (cfs)            332354100.0   32565940.0   330085500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13752.53     528.58   17891.22
  Min Ch El (ft)            568.12    Shear (lb/sq ft)            0.63       1.11       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.37       3.49       1.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    176564.60   26400.71   207600.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1630.08     130.28    2013.81


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276659.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  172.72  794.21  561.96  781.37 1183.92  762.56 1340.42  757.25
 1590.37  749.51 1736.96  749.22 2043.48  749.22 2336.09  749.01 3121.98  714.29
 3184.83  711.22  3264.7  710.78  3274.6  710.76 3451.08  719.58 3608.52  719.22
 3733.66  718.84 3868.01  715.57 4196.43  707.77 4596.68  698.84 4894.56  698.56
 5022.74   697.2 5162.21  695.07 5222.22  693.71 5540.09  690.63 5846.33  688.22
 5969.87  688.44 6162.87  686.88 6308.83   686.1 6371.27  685.32 6414.25  685.32
 6546.14  685.86  6736.9  695.87 6792.13  692.25 6905.66  685.13 7224.34  663.71
 7266.35  661.33 7401.93  647.69 7658.99  618.43 7671.34   616.9 7822.79  614.03
 7944.42  612.87 8167.42  612.32 8320.68  610.87 8481.24  607.79 8644.54  605.82
 8771.03  587.06 8786.14  587.02  8864.8  585.46 9012.38  583.12 9062.66  583.12
 9099.51  583.83 9210.71  613.64 9305.12  615.46 9645.28   614.8 9784.02  605.31
 9832.98  595.9910019.67  595.6310241.03  613.6310504.45  613.1211061.54  612.34
12344.53  612.34 12555.7  603.1213098.53  603.1213516.14   603.913568.85  604.68
13826.77  604.1213832.89  594.8813926.46  593.9414504.64  586.2414996.85  581.56
15012.37  579.1915066.99  573.6115081.08  571.3915103.25  568.1115456.36  568.11
15491.26  573.8915524.73  581.5615615.97  609.8615635.52  612.7215880.79  647.15
16333.54   652.316781.37  656.7518953.86   656.119072.41   656.119308.54  656.21
19668.57  647.1720683.38  647.6620948.18  648.4422672.17  649.2223065.56  649.59
23500.92  653.0124170.13  659.1924400.56  660.7825547.11  660.7826200.72  651.56
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26482.44  651.5627072.98  650.7827317.52  650.33   27494  651.4727638.04  651.89
27790.94  653.1628093.41  656.4628424.39  659.4129554.08  687.7330237.45  688.13
31233.24  753.2631380.03  753.3432014.79  698.39 32050.5  698.4133689.98  773.13
34763.32  766.0134966.46   765.135328.48  784.5235371.13  784.6435686.53  776.28
36027.71  786.4436190.37  786.88   36987     79037702.91  790.5238063.93     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1514996.85     .1515524.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      14996.8515524.73                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.02    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1481811.00   100139.60   1639650.00
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            1481811.00   100139.60   1639650.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3217362.00   316185.50   3196453.00
  Top Width (ft)          32143.35    Top Width (ft)          13737.96     527.88   17877.51
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.17       3.16       1.95
  Max Chl Dpth (ft)         191.91    Hydr. Depth (ft)          107.86     189.70      91.72
  Conv. Total (cfs)       695151800.0    Conv. (cfs)            332326200.0   32659280.0   330166400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13755.97     530.10   17890.99
  Min Ch El (ft)            568.11    Shear (lb/sq ft)            0.63       1.11       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.37       3.49       1.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    176394.50   26389.23   207412.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1628.51     130.22    2011.75


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276656.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  172.77  794.21   562.1  781.36 1184.22  762.56 1340.76  757.24
 1590.78   749.5  1737.4  749.21 2043.99  749.21 2336.68     749 3122.77  714.31
 3185.64  711.23 3265.52  710.79 3275.43  710.77 3451.95  719.57 3609.43  719.21
  3734.6  718.83 3868.99  715.55 4197.49  707.75 4597.84  698.83  4895.8  698.54
 5024.01  697.18 5163.52  695.04 5223.54  693.67  5541.5  690.59 5847.81  688.19
 5971.38  688.42 6164.43  686.84 6310.43  686.05 6372.88  685.26 6415.87  685.26
  6547.8  685.81 6738.61  695.82 6793.85  692.21  6907.4   685.1 7226.17  663.71
 7268.19  661.35  7403.8  647.74 7660.92  618.51 7673.28  616.99 7824.77   614.1
 7946.43  612.95 8169.49  612.42 8322.79  610.96 8483.39  607.87 8646.72   605.9
 8773.25  587.15 8788.36  587.11 8867.04  585.53 9014.66  583.16 9064.95  583.16
 9101.81  583.88 9213.04  613.68 9307.47  615.53 9647.72  614.86 9786.49  605.37
 9835.47  596.07 10022.2   595.710243.62  613.68 10507.1  613.1611064.34  612.37
12347.65  612.3712558.87  603.1613101.84  603.1613519.56  603.9513572.28  604.74
13830.27  604.1713836.39  594.9513929.98     594 14508.3  586.2615000.65  581.58
 15016.3  579.21 15071.4  573.6315085.61   571.415107.99  568.1115461.34  568.11
15496.42  573.8915530.04  581.5815621.28  609.8615640.83  612.7215886.07  647.12
16338.77  652.2616786.55   656.718958.81  656.0519077.35  656.0519313.45  656.17
19673.45  647.1320688.15  647.6320952.93  648.4222676.73  649.2123070.09  649.59
 23505.4     65324174.53   659.224404.94  660.7925551.37  660.7926204.91  651.58
 26486.6  651.5827077.08  650.7927321.59  650.3327498.06  651.4727642.08  651.88
27794.96  653.15 28097.4  656.4628428.34  659.4129557.91  687.7130241.21  688.11
31236.89  753.1731383.67  753.2632018.37  698.3732054.07  698.3933693.38  773.04
34766.61  765.9434969.73  765.03 35331.7  784.4535374.35  784.5735689.71  776.24
36030.86  786.39 36193.5  786.8436990.04     79037705.88  790.5338066.86     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515000.65     .1515530.04     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15000.6515530.04                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.02    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1481908.00   100418.40   1639876.00
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            1481908.00   100418.40   1639876.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3216476.00   316988.50   3196536.00
  Top Width (ft)          32148.29    Top Width (ft)          13741.57     529.39   17877.33
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.17       3.16       1.95
  Max Chl Dpth (ft)         191.91    Hydr. Depth (ft)          107.84     189.69      91.73
  Conv. Total (cfs)       695298800.0    Conv. (cfs)            332304900.0   32749140.0   330244800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13759.53     531.61   17890.79
  Min Ch El (ft)            568.11    Shear (lb/sq ft)            0.63       1.10       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.37       3.49       1.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    176224.50   26377.72   207224.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1626.93     130.16    2009.70


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276653.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  172.81   794.2   562.24  781.35 1184.52  762.56  1341.1  757.23
 1591.18   749.5 1737.83   749.2 2044.51   749.2 2337.27  748.98 3123.56  714.33
 3186.44  711.25 3266.35   710.8 3276.26  710.78 3452.83  719.57 3610.35   719.2
 3735.55  718.81 3869.97  715.54 4198.55  707.73 4599.01  698.81 4897.03  698.52
 5025.28  697.16 5164.82  695.01 5224.86  693.63  5542.9  690.56 5849.29  688.17
 5972.89   688.4 6165.99   686.8 6312.02     686 6374.49   685.2 6417.49   685.2
 6549.45  685.76 6740.31  695.77 6795.57  692.16 6909.15  685.07    7228  663.72
 7270.02  661.37 7405.67   647.8 7662.86   618.6 7675.22  617.08 7826.75  614.17
 7948.44  613.02 8171.55  612.51 8324.89  611.06 8485.53  607.94 8648.91  605.97
 8775.47  587.24 8790.59   587.2 8869.28   585.6 9016.94   583.2 9067.25   583.2
 9104.12  583.93 9215.37  613.73 9309.83   615.6 9650.16  614.92 9788.97  605.44
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 9837.96  596.1410024.73  595.7710246.21  613.7310509.76   613.211067.13   612.4
12350.77   612.412562.05   603.213105.15   603.213522.98     60413575.72   604.8
13833.76  604.2213839.89  595.0113933.51  594.0614511.97  586.2915004.44   581.6
15020.23  579.2215075.81  573.6415090.15  571.4115112.72  568.1115466.32  568.11
15501.57  573.8915535.36   581.615626.59  609.8615646.13  612.7215891.35  647.08
   16344  652.2316791.74  656.6618963.77     65619082.29     65619318.37  656.12
19678.33   647.120692.93   647.620957.67   648.422681.29   649.223074.61  649.58
23509.87     65324178.93  659.2124409.32   660.825555.62   660.8 26209.1   651.6
26490.76   651.627081.17   650.827325.66  650.3427502.11  651.4727646.11  651.86
27798.98  653.1328101.39  656.45 28432.3   659.429561.75  687.6830244.97  688.09
31240.55  753.0831387.31  753.1732021.94  698.3532057.64  698.3733696.78  772.96
34769.89  765.8634972.99  764.9735334.93  784.3835377.57   784.5 35692.9  776.19
36034.02  786.3436196.64   786.836993.09     79037708.85  790.53 38069.8     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515004.44     .1515535.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15004.4415535.36                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.02    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1481996.00   100701.80   1640101.00
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            1481996.00   100701.80   1640101.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3215558.00   317806.30   3196636.00
  Top Width (ft)          32153.05    Top Width (ft)          13745.17     530.92   17876.96
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.17       3.16       1.95
  Max Chl Dpth (ft)         191.91    Hydr. Depth (ft)          107.82     189.67      91.74
  Conv. Total (cfs)       695445800.0    Conv. (cfs)            332280300.0   32840570.0   330325000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13763.10     533.13   17890.40
  Min Ch El (ft)            568.11    Shear (lb/sq ft)            0.63       1.10       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.37       3.49       1.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    176054.30   26366.18   207036.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1625.35     130.10    2007.65


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276650.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  172.85   794.2  562.38  781.33 1184.82  762.55 1341.44  757.22
 1591.58  749.49 1738.27  749.19 2045.03  749.19 2337.86  748.97 3124.35  714.34
 3187.25  711.26 3267.18  710.81 3277.09  710.79  3453.7  719.56 3611.26  719.19
 3736.49   718.8 3870.95  715.52 4199.61  707.71 4600.17   698.8 4898.27  698.51
 5026.55  697.14 5166.13  694.99 5226.18   693.6  5544.3  690.53 5850.77  688.15
  5974.4  688.38 6167.54  686.76 6313.62  685.95  6376.1  685.14 6419.12  685.14
 6551.11  685.71 6742.02  695.71 6797.28  692.12  6910.9  685.04 7229.82  663.73
 7271.86  661.38 7407.55  647.86  7664.8  618.69 7677.16  617.17 7828.72  614.24
 7950.45  613.09 8173.62  612.61    8327  611.16 8487.68  608.02  8651.1  606.05
 8777.69  587.33 8792.81  587.29 8871.53  585.67 9019.22  583.24 9069.54  583.24
 9106.42  583.98  9217.7  613.78 9312.18  615.67  9652.6  614.98 9791.44  605.51
 9840.44  596.2210027.27  595.84 10248.8  613.7710512.42  613.2411069.93  612.43
 12353.9  612.4312565.22  603.2413108.47  603.24 13526.4  604.0513579.15  604.86
13837.26  604.2813843.39  595.0713937.03  594.1214515.64  586.3215008.23  581.62
15024.16  579.2315080.22  573.6615094.69  571.4215117.45  568.11 15471.3  568.11
15506.72  573.8815540.68  581.62 15631.9  609.8615651.44  612.7115896.63  647.04
16349.23  652.1916796.92  656.6218968.72  655.9519087.24  655.9519323.29  656.07
19683.21  647.06 20697.7  647.5720962.41  648.3822685.85  649.1923079.12  649.57
23514.34     65324183.34  659.22 24413.7  660.8125559.88  660.8126213.29  651.62
26494.91  651.6227085.27  650.8127329.73  650.3427506.16  651.4727650.15  651.85
   27803  653.1228105.38  656.4428436.25  659.3929565.58  687.6530248.73  688.06
31244.21     75331390.95  753.0932025.52  698.3332061.21  698.3533700.18  772.87
34773.17  765.7934976.25  764.9135338.15  784.3135380.79  784.4335696.09  776.14
36037.16   786.336199.77  786.7636996.14     79037711.82  790.5438072.73     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515008.23     .1515540.68     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15008.2315540.68                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.02    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1482076.00   100984.90   1640340.00
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            1482076.00   100984.90   1640340.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3214600.00   318623.70   3196776.00
  Top Width (ft)          32158.14    Top Width (ft)          13748.92     532.45   17876.77
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.17       3.16       1.95
  Max Chl Dpth (ft)         191.91    Hydr. Depth (ft)          107.80     189.66      91.76
  Conv. Total (cfs)       695590100.0    Conv. (cfs)            332250300.0   32931880.0   330408000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13766.83     534.65   17890.19
  Min Ch El (ft)            568.11    Shear (lb/sq ft)            0.63       1.10       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.36       3.48       1.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    175884.20   26354.60   206847.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1623.77     130.04    2005.60


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276647.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   172.9   794.2  562.52  781.32 1185.12  762.55 1341.78  757.21
 1591.98  749.48 1738.71  749.18 2045.54  749.18 2338.45  748.96 3125.14  714.36
 3188.05  711.28    3268  710.82 3277.91   710.8 3454.57  719.56 3612.17  719.18
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 3737.43  718.78 3871.92   715.5 4200.67   707.7 4601.33  698.78 4899.51  698.49
 5027.82  697.12 5167.44  694.96  5227.5  693.56  5545.7  690.49 5852.25  688.12
 5975.91  688.36  6169.1  686.72 6315.21   685.9 6377.72  685.08 6420.74  685.08
 6552.76  685.65 6743.72  695.66    6799  692.07 6912.64  685.02 7231.65  663.73
  7273.7   661.4 7409.42  647.91 7666.73  618.78  7679.1  617.26  7830.7  614.31
 7952.46  613.16 8175.69   612.7  8329.1  611.25 8489.82   608.1 8653.28  606.12
 8779.91  587.42 8795.03  587.38 8873.77  585.74  9021.5  583.28 9071.83  583.28
 9108.72  584.03 9220.02  613.82 9314.53  615.74 9655.04  615.04 9793.92  605.58
 9842.93   596.3 10029.8  595.9110251.39  613.8210515.07  613.2811072.73  612.46
12357.02  612.46 12568.4  603.2813111.78  603.2813529.82   604.113582.58  604.92
13840.76  604.3313846.89  595.1313940.55  594.1814519.31  586.3415012.03  581.64
15028.09  579.2415084.64  573.6815099.23  571.4315122.19  568.1115476.28  568.11
15511.87  573.8815545.99  581.64 15637.2  609.8615656.74  612.7115901.91  647.01
16354.46  652.16 16802.1  656.5818973.68   655.919092.18   655.9 19328.2  656.02
19688.08  647.0220702.47  647.5420967.16  648.3622690.41  649.1823083.64  649.57
23518.82  652.9924187.74  659.2424418.08  660.8225564.14  660.8226217.48  651.64
26499.07  651.6427089.37  650.82 27333.8  650.3427510.21  651.4627654.19  651.84
27807.02  653.1128109.37  656.4328440.21  659.3829569.42  687.6230252.49  688.04
31247.87  752.9131394.59     75332029.09  698.3132064.78  698.3333703.57  772.78
34776.46  765.7234979.51  764.8435341.38  784.24   35384  784.3735699.27  776.09
36040.32  786.25 36202.9  786.7236999.19     790 37714.8  790.5538075.67     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515012.03     .1515545.99     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15012.0315545.99               5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.01    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1482174.00   101264.20   1640572.00
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            1482174.00   101264.20   1640572.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3213708.00   319426.10   3196866.00
  Top Width (ft)          32163.07    Top Width (ft)          13752.53     533.96   17876.59
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.17       3.15       1.95
  Max Chl Dpth (ft)         191.90    Hydr. Depth (ft)          107.77     189.65      91.77
  Conv. Total (cfs)       695739500.0    Conv. (cfs)             332229300.0   33021890.0   330488300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13770.41     536.16   17889.99
  Min Ch El (ft)            568.11    Shear (lb/sq ft)            0.63       1.10       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.36       3.48       1.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    175714.10   26342.99   206659.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1622.20     129.97    2003.55


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276644.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  172.94  794.19  562.67  781.31 1185.42  762.55 1342.12  757.21
 1592.39  749.48 1739.15  749.17 2046.06  749.17 2339.04  748.94 3125.93  714.38
 3188.86  711.29 3268.83  710.83 3278.74  710.81 3455.45  719.55 3613.08  719.17
 3738.38  718.77  3872.9  715.48 4201.73  707.68  4602.5  698.77 4900.75  698.47
 5029.09  697.11 5168.74  694.93 5228.82  693.52  5547.1  690.46 5853.73   688.1
 5977.42  688.34 6170.66  686.68 6316.81  685.85 6379.33  685.02 6422.36  685.02
 6554.42   685.6 6745.42  695.61 6800.72  692.02 6914.39  684.99 7233.48  663.74
 7275.54  661.42 7411.29  647.97 7668.67  618.87 7681.04  617.34 7832.68  614.38
 7954.47  613.24 8177.75   612.8 8331.21  611.35 8491.97  608.18 8655.47   606.2
 8782.12  587.51 8797.25  587.47 8876.01  585.81 9023.78  583.32 9074.12  583.32
 9111.02  584.08 9222.35  613.87 9316.89  615.81 9657.48   615.1 9796.39  605.65
 9845.42  596.3710032.34  595.9910253.98  613.8710517.73  613.3211075.53  612.49
12360.14  612.4912571.57  603.3213115.09  603.3213533.24  604.1513586.01  604.98
13844.26  604.3813850.38   595.213944.07  594.2414522.98  586.3715015.82  581.66
15032.02  579.2515089.05   573.715103.77  571.4315126.92  568.1115481.26  568.11
15517.02  573.8715551.31  581.6615642.51  609.8515662.05  612.7115907.19  646.97
16359.69  652.1216807.29  656.5418978.63  655.8519097.12  655.8519333.12  655.97
19692.96  646.9920707.24  647.51 20971.9  648.3422694.97  649.1723088.17  649.56
23523.29  652.9924192.14  659.2524422.46  660.83 25568.4  660.8326221.66  651.66
26503.23  651.6627093.46  650.8327337.87  650.3527514.26  651.4627658.22  651.83
27811.04  653.0928113.35  656.4328444.16  659.3829573.25  687.5930256.26  688.01
31251.52  752.8231398.23  752.9132032.67  698.2932068.35  698.3133706.97  772.69
34779.74  765.6534982.77  764.78 35344.6  784.1735387.23   784.335702.46  776.04
36043.46  786.2136206.04  786.6837002.24     79037717.77  790.5538078.61     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515015.82     .1515551.31     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15015.8215551.31               5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.01    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1482250.00   101547.50   1640804.00
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            1482250.00   101547.50   1640804.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3212780.00   320243.20   3196977.00
  Top Width (ft)          32167.88    Top Width (ft)          13755.99     535.49   17876.41
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.17       3.15       1.95
  Max Chl Dpth (ft)         191.90    Hydr. Depth (ft)          107.75     189.64      91.79
  Conv. Total (cfs)       695884500.0    Conv. (cfs)             332202600.0   33113260.0   330568600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13773.84     537.68   17889.78
  Min Ch El (ft)            568.11    Shear (lb/sq ft)            0.63       1.10       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.36       3.48       1.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    175544.00   26331.35   206471.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1620.62     129.91    2001.49


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276641.*
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INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  172.98  794.19  562.81   781.3 1185.72  762.55 1342.46   757.2
 1592.79  749.47 1739.59  749.16 2046.58  749.16 2339.63  748.93 3126.72  714.39
 3189.66  711.31 3269.65  710.84 3279.57  710.82 3456.32  719.54    3614  719.16
 3739.32  718.75 3873.88  715.47  4202.8  707.66 4603.66  698.75 4901.99  698.45
 5030.36  697.09 5170.05   694.9 5230.15  693.49  5548.5  690.43 5855.21  688.08
 5978.93  688.32 6172.22  686.64  6318.4   685.8 6380.94  684.96 6423.98  684.96
 6556.07  685.55 6747.13  695.55 6802.44  691.98 6916.14  684.96  7235.3  663.75
 7277.38  661.44 7413.16  648.03 7670.61  618.96 7682.98  617.43 7834.66  614.45
 7956.48  613.31 8179.82  612.89 8333.31  611.45 8494.11  608.26 8657.66  606.27
 8784.34   587.6 8799.48  587.56 8878.25  585.88 9026.06  583.36 9076.41  583.36
 9113.32  584.13 9224.68  613.92 9319.24  615.88 9659.92  615.17 9798.86  605.71
  9847.9  596.4510034.87  596.0610256.57  613.9110520.39  613.3611078.32  612.52
12363.26  612.5212574.75  603.3613118.41  603.3613536.66   604.213589.44  605.04
13847.75  604.4313853.88  595.2613947.59   594.314526.65  586.3915019.61  581.68
15035.95  579.2615093.46  573.72 15108.3  571.4415131.66  568.1115486.24  568.11
15522.17  573.8715556.63  581.6815647.82  609.8515667.35   612.715912.47  646.94
16364.93  652.0816812.47   656.518983.59   655.819102.06   655.819338.04  655.92
19697.84  646.9520712.01  647.4820976.65  648.3222699.54  649.1623092.69  649.56
23527.77  652.9924196.55  659.2624426.83  660.8425572.66  660.8426225.85  651.68
26507.39  651.6827097.56  650.8427341.94  650.3527518.32  651.4627662.26  651.81
27815.06  653.0828117.34  656.4228448.11  659.3729577.08  687.5630260.02  687.99
31255.18  752.7431401.88  752.8332036.24  698.2732071.92  698.2933710.37   772.6
34783.02  765.5834986.04  764.7235347.82   784.135390.45  784.2335705.64     776
36046.62  786.1636209.17  786.6437005.29     79037720.75  790.5638081.54     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515019.61     .1515556.63     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15019.6115556.63                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.08    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.01    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1482342.00   101830.40   1641029.00
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)             1482342.00   101830.40   1641029.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3211883.00   321057.20   3197061.00
  Top Width (ft)          32172.83    Top Width (ft)           13759.58     537.02   17876.23
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)             2.17       3.15       1.95
  Max Chl Dpth (ft)         191.90    Hydr. Depth (ft)           107.73     189.62      91.80
  Conv. Total (cfs)       696030900.0    Conv. (cfs)            332179700.0   33204410.0   330646800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         13777.40     539.21   17889.58
  Min Ch El (ft)            568.11    Shear (lb/sq ft)             0.63       1.10       0.54
  Alpha                       1.04    Stream Power (lb/ft s)       1.36       3.48       1.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    175373.80   26319.68   206282.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1619.04     129.85    1999.44


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276639.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  173.03  794.18  562.95  781.28 1186.02  762.54  1342.8  757.19
 1593.19  749.46 1740.03  749.15  2047.1  749.15 2340.22  748.92 3127.51  714.41
 3190.47  711.33 3270.48  710.85  3280.4  710.83 3457.19  719.54 3614.91  719.15
 3740.27  718.74 3874.86  715.45 4203.86  707.64 4604.82  698.74 4903.22  698.43
 5031.63  697.07 5171.35  694.88 5231.47  693.45  5549.9  690.39 5856.69  688.06
 5980.44   688.3 6173.78   686.6    6320  685.75 6382.55   684.9  6425.6   684.9
 6557.73  685.49 6748.83   695.5 6804.16  691.93 6917.88  684.93 7237.13  663.75
 7279.21  661.45 7415.03  648.08 7672.55  619.05 7684.92  617.52 7836.64  614.53
 7958.49  613.38 8181.88  612.99 8335.42  611.54 8496.26  608.34 8659.84  606.34
 8786.56  587.69  8801.7  587.65 8880.49  585.95 9028.34   583.4 9078.71   583.4
 9115.62  584.18 9227.01  613.96 9321.59  615.95 9662.36  615.23 9801.34  605.78
 9850.39  596.53 10037.4  596.1310259.16  613.9610523.04   613.411081.12  612.55
12366.38  612.5512577.92   603.413121.72   603.413540.07  604.2513592.88   605.1
13851.25  604.4913857.38  595.3213951.12  594.3614530.32  586.4215023.41   581.7
15039.88  579.2815097.88  573.7315112.84  571.4515136.39  568.1115491.21  568.11
15527.33  573.8715561.95   581.715653.12  609.8515672.66   612.715917.75   646.9
16370.16  652.0516817.66  656.4518988.54  655.75   19107  655.7519342.96  655.87
19702.72  646.9120716.79  647.4520981.39   648.3 22704.1  649.1523097.21  649.55
23532.24  652.9824200.95  659.2724431.21  660.8525576.91  660.8526230.04   651.7
26511.55   651.727101.66  650.8527346.01  650.3627522.37  651.46 27666.3   651.8
27819.08  653.0628121.33  656.4128452.07  659.3629580.92  687.5330263.78  687.97
31258.84  752.6531405.52  752.7432039.81  698.2532075.49  698.2733713.77  772.52
34786.31  765.51 34989.3  764.6535351.05  784.0335393.66  784.1635708.83  775.95
36049.77  786.12 36212.3   786.637008.34     79037723.72  790.5738084.48     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515023.41     .1515561.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15023.4115561.95                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.08    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.01    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1482429.00   102111.50   1641278.00
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)             1482429.00   102111.50   1641278.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3210918.00   321863.20   3197219.00
  Top Width (ft)          32177.75    Top Width (ft)           13763.34     538.54   17875.87
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)             2.17       3.15       1.95
  Max Chl Dpth (ft)         191.90    Hydr. Depth (ft)           107.71     189.61      91.82
  Conv. Total (cfs)       696182300.0    Conv. (cfs)            332152200.0   33295010.0   330735100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         13781.14     540.72   17889.20
  Min Ch El (ft)            568.11    Shear (lb/sq ft)             0.63       1.10       0.54
  Alpha                       1.04    Stream Power (lb/ft s)       1.36       3.47       1.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    175203.70   26307.97   206094.40
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  C & E Loss (ft)             0.00    Cum SA (acres)           1617.46     129.79    1997.39


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276636.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  173.07  794.18  563.09  781.27 1186.32  762.54 1343.14  757.18
 1593.59  749.46 1740.47  749.14 2047.61  749.14 2340.81  748.91  3128.3  714.43
 3191.27  711.34  3271.3  710.86 3281.23  710.84 3458.06  719.53 3615.82  719.14
 3741.21  718.73 3875.84  715.43 4204.92  707.62 4605.98  698.72 4904.46  698.41
  5032.9  697.05 5172.66  694.85 5232.79  693.41  5551.3  690.36 5858.16  688.03
 5981.95  688.28 6175.34  686.56  6321.6   685.7 6384.16  684.84 6427.23  684.84
 6559.39  685.44 6750.54  695.45 6805.87  691.89 6919.63  684.91 7238.96  663.76
 7281.05  661.47 7416.91  648.14 7674.48  619.13 7686.86  617.61 7838.62   614.6
  7960.5  613.46 8183.95  613.08 8337.52  611.64  8498.4  608.41 8662.03  606.42
 8788.78  587.78 8803.92  587.74 8882.74  586.02 9030.62  583.44    9081  583.44
 9117.92  584.22 9229.34  614.01 9323.95  616.02 9664.79  615.29 9803.81  605.85
 9852.88   596.610039.94   596.210261.75  614.01 10525.7  613.4411083.92  612.58
12369.51  612.58 12581.1  603.4413125.03  603.4413543.49   604.313596.31  605.16
13854.75  604.5413860.88  595.3913954.64  594.4314533.98  586.45 15027.2  581.72
15043.81  579.2915102.29  573.7515117.38  571.4615141.12  568.1115496.19  568.11
15532.48  573.8615567.26  581.7215658.43  609.8515677.96   612.715923.03  646.86
16375.39  652.0116822.84  656.4118993.49   655.719111.95   655.719347.87  655.83
 19707.6  646.8820721.56  647.4220986.13  648.2822708.66  649.1423101.72  649.55
23536.71  652.9824205.36  659.2824435.59  660.8625581.17  660.8626234.23  651.72
26515.71  651.7227105.75  650.8627350.08  650.3627526.42  651.4627670.33  651.79
 27823.1  653.0528125.32  656.4128456.02  659.3529584.75   687.530267.54  687.94
31262.49  752.5631409.16  752.6632043.39  698.2332079.06  698.2533717.16  772.43
34789.59  765.4334992.56  764.5935354.27  783.9635396.88  784.0935712.02   775.9
36052.92  786.0736215.43  786.5637011.39     79037726.69  790.5738087.41     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 15027.2     .1515567.26     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       15027.215567.26                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.01    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1482509.00   102392.70   1641506.00
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            1482509.00   102392.70   1641506.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3209996.00   322673.60   3197330.00
  Top Width (ft)          32182.70    Top Width (ft)          13766.94     540.06   17875.69
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.17       3.15       1.95
  Max Chl Dpth (ft)         191.90    Hydr. Depth (ft)          107.69     189.60      91.83
  Conv. Total (cfs)       696324300.0    Conv. (cfs)            332124500.0   33385650.0   330814100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13784.70     542.24   17889.01
  Min Ch El (ft)            568.11    Shear (lb/sq ft)            0.63       1.10       0.54
  Alpha                       1.04    Stream Power (lb/ft s)      1.36       3.47       1.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   175033.50   26296.24   205906.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1615.88     129.73    1995.34


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276633.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  173.12  794.17  563.24  781.26 1186.61  762.54 1343.48  757.17
 1593.99  749.45 1740.91  749.13 2048.13  749.13  2341.4  748.89 3129.09  714.44
 3192.08  711.36 3272.13  710.87 3282.05  710.84 3458.94  719.53 3616.74  719.13
 3742.16  718.71 3876.82  715.42 4205.98   707.6 4607.15  698.71  4905.7  698.39
 5034.17  697.03 5173.96  694.82 5234.11  693.38 5552.71  690.33 5859.64  688.01
 5983.46  688.26  6176.9  686.52 6323.19  685.65 6385.77  684.78 6428.85  684.78
 6561.04  685.39 6752.24   695.4 6807.59  691.84 6921.38  684.88 7240.79  663.77
 7282.89  661.49 7418.78   648.2 7676.42  619.22  7688.8   617.7  7840.6  614.67
 7962.51  613.53 8186.01  613.18 8339.62  611.74 8500.55  608.49 8664.21  606.49
    8791  587.87 8806.14  587.83 8884.98  586.09  9032.9  583.48 9083.29  583.48
 9120.23  584.27 9231.67  614.06  9326.3  616.09 9667.24  615.35 9806.29  605.92
 9855.37  596.6810042.47  596.2710264.34  614.0510528.36  613.4811086.72  612.61
12372.63  612.6112584.28  603.4813128.34  603.4813546.91  604.3513599.74  605.22
13858.24  604.5913864.38  595.4513958.16  594.4914537.65  586.4715030.99  581.74
15047.74   579.3 15106.7  573.7715121.92  571.4715145.86   568.115501.17   568.1
15537.63  573.8615572.58  581.7415663.74  609.8515683.27   612.715928.31  646.83
16380.62  651.9816828.03  656.3718998.45  655.6519116.89  655.6519352.79  655.78
19712.48  646.8420726.33  647.3920990.88  648.2622713.22  649.1323106.25  649.54
23541.19  652.9824209.76  659.2924439.97  660.8725585.43  660.8726238.42  651.74
26519.87  651.7427109.85  650.8727354.15  650.3627530.47  651.4627674.37  651.77
27827.12  653.0328129.31   656.428459.97  659.3529588.59  687.47 30271.3  687.92
31266.15  752.48 31412.8  752.5732046.96  698.2132082.63  698.2333720.56  772.34
34792.88  765.3634995.82  764.53 35357.5  783.8935400.11  784.02 35715.2  775.85
36056.07  786.0236218.57  786.5237014.43     79037729.66  790.5838090.34     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515030.99     .1515572.58     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15030.9915572.58                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.01    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1482600.00   102679.30   1641729.00
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            1482600.00   102679.30   1641729.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3209094.00   323504.40   3197402.00
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  Top Width (ft)          32187.66    Top Width (ft)          13770.54     541.59   17875.52
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.16       3.15       1.95
  Max Chl Dpth (ft)         191.91    Hydr. Depth (ft)          107.66     189.59      91.84
  Conv. Total (cfs)       696471600.0    Conv. (cfs)            332101400.0   33478700.0   330891400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13788.27     543.76   17888.81
  Min Ch El (ft)            568.10    Shear (lb/sq ft)            0.63       1.10       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.36       3.47       1.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    174863.30   26284.47   205717.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1614.30     129.67    1993.29


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276630.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  173.16  794.17  563.38  781.25 1186.91  762.53 1343.81  757.17
  1594.4  749.45 1741.35  749.12 2048.65  749.12 2341.99  748.88 3129.88  714.46
 3192.88  711.37 3272.96  710.88 3282.88  710.85 3459.81  719.52 3617.65  719.12
  3743.1   718.7 3877.79   715.4 4207.04  707.58 4608.31  698.69 4906.94  698.38
 5035.44  697.01 5175.27   694.8 5235.43  693.34 5554.11  690.29 5861.12  687.99
 5984.97  688.24 6178.46  686.48 6324.79   685.6 6387.39  684.72 6430.47  684.72
  6562.7  685.33 6753.94  695.34 6809.31  691.79 6923.12  684.85 7242.61  663.77
 7284.73   661.5 7420.65  648.25 7678.36  619.31 7690.74  617.79 7842.57  614.74
 7964.52   613.6 8188.08  613.27 8341.73  611.83 8502.69  608.57  8666.4  606.57
 8793.22  587.96 8808.36  587.92 8887.22  586.16 9035.18  583.52 9085.58  583.52
 9122.53  584.32    9234   614.1 9328.66  616.16 9669.67  615.41 9808.76  605.99
 9857.85  596.7610045.01  596.3510266.93   614.110531.01  613.5211089.52  612.64
12375.75  612.6412587.45  603.5213131.66  603.5213550.33   604.413603.17  605.28
13861.74  604.6513867.88  595.5113961.68  594.5514541.32   586.515034.78  581.76
15051.67  579.3115111.12  573.7915126.46  571.4815150.59   568.115506.15   568.1
15542.78  573.85 15577.9  581.7615669.05  609.8415688.57  612.6915933.58  646.79
16385.85  651.9416833.21  656.33 19003.4   655.619121.83   655.619357.71  655.73
19717.36  646.81 20731.1  647.3620995.62  648.2422717.78  649.1223110.77  649.54
23545.66  652.9724214.16  659.3124444.35  660.8825589.69  660.8826242.61  651.76
26524.03  651.7627113.95  650.8827358.22  650.3727534.52  651.4527678.41  651.76
27831.14  653.02 28133.3  656.3928463.93  659.3429592.42  687.4430275.07  687.89
31269.81  752.3931416.44  752.4932050.54  698.1932086.21  698.2133723.96  772.25
34796.16  765.2934999.09  764.4735360.72  783.8235403.32  783.9535718.39  775.81
36059.22  785.98 36221.7  786.4837017.48     79037732.64  790.5938093.28     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515034.78     .15 15577.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15034.78 15577.9                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.01    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1482686.00   102962.40   1641966.00
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            1482686.00   102962.40   1641966.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3208168.00   324317.20   3197515.00
  Top Width (ft)          32192.64    Top Width (ft)          13774.16     543.12   17875.36
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.16       3.15       1.95
  Max Chl Dpth (ft)         191.91    Hydr. Depth (ft)          107.64     189.58      91.86
  Conv. Total (cfs)       696618900.0    Conv. (cfs)            332075800.0   33569910.0   330973200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13791.87     545.29   17888.63
  Min Ch El (ft)            568.10    Shear (lb/sq ft)            0.63       1.10       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.36       3.47       1.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    174693.20   26272.67   205529.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1612.72     129.60    1991.23


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276627.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   173.2  794.16  563.52  781.23 1187.21  762.53 1344.15  757.16
  1594.8  749.44 1741.79  749.11 2049.16  749.11 2342.58  748.87 3130.67  714.48
 3193.69  711.39 3273.78  710.89 3283.71  710.86 3460.68  719.52 3618.56  719.11
 3744.04  718.68 3878.77  715.38  4208.1  707.56 4609.47  698.68 4908.18  698.36
 5036.71  696.99 5176.58  694.77 5236.75   693.3 5555.51  690.26  5862.6  687.96
 5986.48  688.22 6180.01  686.44 6326.38  685.55    6389  684.66 6432.09  684.66
 6564.35  685.28 6755.65  695.29 6811.03  691.75 6924.87  684.83 7244.44  663.78
 7286.56  661.52 7422.52  648.31 7680.29   619.4 7692.68  617.88 7844.55  614.81
 7966.53  613.67 8190.15  613.37 8343.83  611.93 8504.84  608.65 8668.59  606.64
 8795.43  588.05 8810.59  588.01 8889.46  586.23 9037.46  583.56 9087.87  583.56
 9124.83  584.37 9236.33  614.15 9331.01  616.23 9672.11  615.47 9811.24  606.05
 9860.34  596.8310047.54  596.4210269.52  614.1510533.67  613.5611092.31  612.67
12378.87  612.6712590.63  603.5613134.97  603.5613553.75  604.45 13606.6  605.34
13865.24   604.713871.38  595.5713965.21  594.6114544.99  586.5215038.58  581.78
 15055.6  579.3215115.53   573.815130.99  571.4915155.33   568.115511.13   568.1
15547.93  573.8515583.21  581.7815674.35  609.8415693.88  612.6915938.86  646.75
16391.08  651.9116838.39  656.2919008.36  655.5519126.77  655.5519362.62  655.68
19722.24  646.7720735.87  647.3321000.37  648.2222722.35  649.1123115.29  649.53
23550.14  652.9724218.56  659.3224448.73  660.8925593.95  660.89 26246.8  651.78
26528.19  651.7827118.04  650.8927362.29  650.3727538.58  651.4527682.44  651.75
27835.16  653.0128137.29  656.3928467.88  659.3329596.26  687.4130278.83  687.87
31273.46   752.331420.08   752.432054.11  698.1732089.78  698.1933727.36  772.16
34799.44  765.2235002.35   764.435363.95  783.7535406.54  783.8935721.58  775.76
36062.37  785.9336224.83  786.4437020.53     79037735.61  790.5938096.21     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515038.58     .1515583.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15038.5815583.21                5       5       5             .1       .3
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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.01    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1482773.00   103241.80   1642200.00
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            1482773.00   103241.80   1642200.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3207254.00   325119.50   3197627.00
  Top Width (ft)          32197.60    Top Width (ft)          13777.77     544.63   17875.20
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.16       3.15       1.95
  Max Chl Dpth (ft)         191.91    Hydr. Depth (ft)          107.62     189.56      91.87
  Conv. Total (cfs)       696764700.0    Conv. (cfs)            332050700.0   33660000.0   331054100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13795.45     546.79   17888.45
  Min Ch El (ft)            568.10    Shear (lb/sq ft)            0.63       1.10       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.35       3.46       1.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    174523.00   26260.83   205340.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1611.14     129.54    1989.18


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276624.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  173.25  794.16  563.66  781.22 1187.51  762.53 1344.49  757.15
  1595.2  749.43 1742.23   749.1 2049.68   749.1 2343.18  748.86 3131.45   714.5
  3194.5   711.4 3274.61   710.9 3284.54  710.87 3461.56  719.51 3619.47   719.1
 3744.99  718.67 3879.75  715.37 4209.16  707.54 4610.63  698.66 4909.41  698.34
 5037.98  696.97 5177.88  694.74 5238.07  693.27 5556.91  690.23 5864.08  687.94
 5987.99   688.2 6181.57   686.4 6327.98   685.5 6390.61   684.6 6433.72   684.6
 6566.01  685.23 6757.35  695.24 6812.74   691.7 6926.62   684.8 7246.27  663.79
  7288.4  661.54 7424.39  648.37 7682.23  619.49 7694.62  617.96 7846.53  614.88
 7968.54  613.75 8192.21  613.46 8345.94  612.03 8506.98  608.73 8670.77  606.72
 8797.65  588.14 8812.81   588.1  8891.7   586.3 9039.74   583.6 9090.17   583.6
 9127.13  584.42 9238.66   614.2 9333.36   616.3 9674.55  615.53 9813.71  606.12
 9862.83  596.9110050.08  596.4910272.11  614.1910536.33   613.611095.11   612.7
   12382   612.7 12593.8   603.613138.28   603.613557.17   604.513610.03   605.4
13868.74  604.7513874.88  595.6413968.73  594.6714548.66  586.5515042.37   581.8
15059.53  579.3315119.94  573.8215135.53   571.515160.06   568.115516.11   568.1
15553.08  573.8415588.53   581.815679.66  609.8415699.19  612.6915944.14  646.72
16396.31  651.8716843.58  656.2519013.31   655.519131.71   655.519367.54  655.63
19727.12  646.7320740.64   647.321005.11   648.222726.91   649.123119.81  649.53
23554.61  652.9724222.97  659.3324453.11   660.9 25598.2   660.926250.99   651.8
26532.35   651.827122.14   650.927366.36  650.3827542.63  651.4527686.48  651.74
27839.19  652.9928141.28  656.3828471.84  659.3229600.09  687.3930282.59  687.85
31277.12  752.2231423.72  752.3232057.69  698.1532093.35  698.1733730.75  772.08
34802.73  765.1535005.61  764.3435367.17  783.6835409.76  783.8235724.76  775.71
36065.52  785.8936227.96   786.437023.58     79037738.58   790.638099.15     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515042.37     .1515588.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15042.3715588.53                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.01    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1482852.00   103524.90   1642408.00
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            1482852.00   103524.90   1642408.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3206351.00   325935.80   3197714.00
  Top Width (ft)          32202.37    Top Width (ft)          13781.36     546.16   17874.84
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.16       3.15       1.95
  Max Chl Dpth (ft)         191.91    Hydr. Depth (ft)          107.60     189.55      91.88
  Conv. Total (cfs)       696902800.0    Conv. (cfs)            332023000.0   33751200.0   331128600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13799.00     548.32   17888.07
  Min Ch El (ft)            568.10    Shear (lb/sq ft)            0.63       1.10       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.35       3.46       1.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    174352.80   26248.96   205152.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1609.55     129.48    1987.13


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276621.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  173.29  794.15   563.8  781.21 1187.81  762.53 1344.83  757.14
  1595.6  749.43 1742.67  749.09  2050.2  749.09 2343.77  748.84 3132.24  714.51
  3195.3  711.42 3275.43  710.91 3285.37  710.88 3462.43  719.51 3620.39  719.09
 3745.93  718.65 3880.73  715.35 4210.22  707.52  4611.8  698.65 4910.65  698.32
 5039.25  696.96 5179.19  694.71 5239.39  693.23 5558.31  690.19 5865.56  687.92
  5989.5  688.18 6183.13  686.36 6329.57  685.45 6392.22  684.54 6435.34  684.54
 6567.66  685.18 6759.05  695.18 6814.46  691.66 6928.36  684.77  7248.1  663.79
 7290.24  661.56 7426.27  648.42 7684.17  619.58 7696.56  618.05 7848.51  614.96
 7970.54  613.82 8194.28  613.56 8348.04  612.12 8509.13  608.81 8672.96  606.79
 8799.87  588.24 8815.03  588.19 8893.95  586.37 9042.02  583.64 9092.46  583.64
 9129.43  584.47 9240.99  614.24 9335.72  616.37 9676.99   615.6 9816.19  606.19
 9865.31  596.9910052.61  596.56 10274.7  614.2410538.99  613.6411097.91  612.73
12385.12  612.7312596.98  603.64 13141.6  603.6413560.58  604.5513613.47  605.46
13872.23   604.813878.37   595.713972.25  594.7314552.33  586.5715046.16  581.82
15063.46  579.3515124.36  573.8415140.07  571.5115164.79   568.115521.09   568.1
15558.23  573.8415593.85  581.8215684.97  609.8415704.49  612.6815949.42  646.68
16401.55  651.8416848.76   656.219018.27  655.4519136.66  655.4519372.46  655.58
   19732   646.720745.42  647.2721009.85  648.1822731.47  649.0923124.33  649.52
23559.08  652.9624227.37  659.3424457.49  660.9125602.46  660.9126255.18  651.82
 26536.5  651.8227126.23  650.9127370.43  650.3827546.68  651.4527690.52  651.72
27843.21  652.9828145.26  656.3728475.79  659.3229603.93  687.3630286.35  687.82
31280.78  752.1331427.37  752.2332061.26  698.1332096.92  698.1533734.15  771.99
34806.01  765.0835008.88  764.2835370.39  783.6135412.98  783.7535727.95  775.66
36068.67  785.84 36231.1  786.3637026.63     79037741.56   790.638102.09     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515046.16     .1515593.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15046.1615593.85                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.01    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1482946.00   103806.90   1642659.00
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            1482946.00   103806.90   1642659.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3205423.00   326739.20   3197838.00
  Top Width (ft)          32207.33    Top Width (ft)          13784.96     547.69   17874.69
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.16       3.15       1.95
  Max Chl Dpth (ft)         191.91    Hydr. Depth (ft)          107.58     189.54      91.90
  Conv. Total (cfs)       697058100.0    Conv. (cfs)            332000900.0   33841930.0   331215300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13802.57     549.84   17887.89
  Min Ch El (ft)            568.10    Shear (lb/sq ft)            0.63       1.10       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.35       3.46       1.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    174182.50   26237.07   204963.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1607.97     129.42    1985.08


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276618.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  173.33  794.15  563.95   781.2 1188.11  762.52 1345.17  757.14
 1596.01  749.42 1743.11  749.08 2050.71  749.08 2344.36  748.83 3133.03  714.53
 3196.11  711.43 3276.26  710.92  3286.2  710.89  3463.3   719.5  3621.3  719.08
 3746.88  718.64 3881.71  715.33 4211.29   707.5 4612.96  698.63 4911.89   698.3
 5040.52  696.94 5180.49  694.69 5240.71  693.19 5559.71  690.16 5867.04   687.9
 5991.01  688.16 6184.69  686.32 6331.17   685.4 6393.83  684.48 6436.96  684.48
 6569.32  685.12 6760.76  695.13 6816.18  691.61 6930.11  684.74 7249.92   663.8
 7292.08  661.57 7428.14  648.48 7686.11  619.66  7698.5  618.14 7850.49  615.03
 7972.55  613.89 8196.34  613.65 8350.15  612.22 8511.27  608.88 8675.15  606.87
 8802.09  588.33 8817.25  588.28 8896.19  586.44  9044.3  583.68 9094.75  583.68
 9131.73  584.52 9243.32  614.29 9338.07  616.44 9679.43  615.66 9818.66  606.26
  9867.8  597.0710055.14  596.6410277.29  614.2910541.64  613.6811100.71  612.76
12388.24  612.7612600.15  603.6813144.91  603.68   13564   604.6 13616.9  605.52
13875.73  604.8613881.87  595.7613975.77  594.79   14556   586.615049.96  581.84
15067.39  579.3615128.77  573.8615144.61  571.5215169.53   568.115526.07   568.1
15563.39  573.8415599.16  581.8415690.28  609.84 15709.8  612.68 15954.7  646.64
16406.78   651.816853.95  656.1619023.22   655.4 19141.6   655.419377.38  655.53
19736.88  646.6620750.19  647.24 21014.6  648.1622736.03  649.0823128.85  649.52
23563.56  652.9624231.78  659.3524461.87  660.9225606.72  660.9226259.36  651.84
26540.66  651.8427130.33  650.9227374.51  650.3927550.73  651.4527694.55  651.71
27847.23  652.9628149.25  656.3628479.74  659.3129607.76  687.3330290.12   687.8
31284.43  752.0531431.01  752.1532064.83   698.132100.49  698.1333737.55   771.9
34809.29  765.0135012.14  764.2135373.62  783.54 35416.2  783.6835731.14  775.62
36071.82   785.836234.23  786.3237029.68     79037744.53  790.6138105.02     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515049.96     .1515599.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15049.9615599.16                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.01    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1483029.00   104086.10   1642892.00
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            1483029.00   104086.10   1642892.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3204505.00   327539.70   3197955.00
  Top Width (ft)          32212.32    Top Width (ft)          13788.58     549.20   17874.54
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.16       3.15       1.95
  Max Chl Dpth (ft)         191.91    Hydr. Depth (ft)          107.55     189.52      91.91
  Conv. Total (cfs)       697201300.0    Conv. (cfs)            331974000.0   33931820.0   331295500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13806.17     551.35   17887.72
  Min Ch El (ft)            568.10    Shear (lb/sq ft)            0.62       1.10       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.35       3.46       1.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    174012.30   26225.13   204775.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1606.39     129.35    1983.03


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276615.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  173.38  794.14  564.09  781.19 1188.41  762.52 1345.51  757.13
 1596.41  749.41 1743.55  749.07 2051.23  749.07 2344.95  748.82 3133.82  714.55
 3196.91  711.45 3277.08  710.93 3287.02   710.9 3464.17   719.5 3622.21  719.07
 3747.82  718.62 3882.69  715.32 4212.35  707.48 4614.12  698.62 4913.13  698.28
 5041.79  696.92  5181.8  694.66 5242.03  693.16 5561.11  690.13 5868.51  687.87
 5992.52  688.14 6186.25  686.28 6332.77  685.35 6395.44  684.42 6438.58  684.42
 6570.98  685.07 6762.46  695.08  6817.9  691.57 6931.85  684.72 7251.75  663.81
 7293.92  661.59 7430.01  648.54 7688.04  619.75 7700.44  618.23 7852.47   615.1
 7974.56  613.96 8198.41  613.75 8352.25  612.32 8513.42  608.96 8677.33  606.94
 8804.31  588.42 8819.47  588.37 8898.43  586.51 9046.58  583.72 9097.04  583.72
 9134.03  584.57 9245.65  614.34 9340.42  616.51 9681.87  615.72 9821.13  606.33
 9870.29  597.1410057.68  596.7110279.88  614.33 10544.3  613.72 11103.5  612.79
12391.36  612.7912603.33  603.7213148.22  603.7213567.42  604.6513620.33  605.58
13879.23  604.9113885.37  595.8213979.29  594.8514559.66  586.6315053.75  581.86
15071.32  579.3715133.18  573.8815149.14  571.5315174.26   568.115531.05   568.1
15568.54  573.8315604.48  581.8615695.58  609.84 15715.1  612.6815959.98  646.61
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16412.01  651.7716859.13  656.1219028.18  655.3519146.54  655.3519382.29  655.49
19741.75  646.6220754.96  647.2121019.34  648.1422740.59  649.0723133.37  649.51
23568.03  652.9624236.18  659.3624466.24  660.9325610.98  660.9326263.55  651.86
26544.82  651.8627134.43  650.9327378.58  650.3927554.79  651.4527698.59   651.7
27851.25  652.9528153.24  656.36 28483.7   659.329611.59   687.330293.88  687.77
31288.09  751.9631434.65  752.0632068.41  698.0832104.06  698.1133740.95  771.81
34812.58  764.93 35015.4  764.1535376.84  783.4735419.42  783.6135734.32  775.57
36074.97  785.7536237.37  786.2837032.73     790 37747.5  790.6238107.95     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515053.75     .1515604.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15053.7515604.48                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.08    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.01    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1483104.00   104369.10   1643126.00
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)             1483104.00   104369.10   1643126.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3203570.00   328352.30   3198078.00
  Top Width (ft)          32217.29    Top Width (ft)           13792.18     550.73   17874.39
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)             2.16       3.15       1.95
  Max Chl Dpth (ft)         191.91    Hydr. Depth (ft)           107.53     189.51      91.93
  Conv. Total (cfs)       697344400.0    Conv. (cfs)             331945200.0   34022980.0   331376200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         13809.74     552.88   17887.55
  Min Ch El (ft)            568.10    Shear (lb/sq ft)             0.62       1.10       0.53
  Alpha                       1.04    Stream Power (lb/ft s)       1.35       3.45       1.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    173842.10   26213.17   204586.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1604.81     129.29    1980.98


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276612.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  173.42  794.14  564.23  781.17 1188.71  762.52 1345.85  757.12
 1596.81  749.41 1743.98  749.06 2051.75  749.06 2345.54   748.8 3134.61  714.56
 3197.72  711.47 3277.91  710.94 3287.85  710.91 3465.05  719.49 3623.12  719.06
 3748.77  718.61 3883.66   715.3 4213.41  707.46 4615.28   698.6 4914.37  698.27
 5043.06   696.9  5183.1  694.63 5243.35  693.12 5562.51   690.1 5869.99  687.85
 5994.03  688.12 6187.81  686.24 6334.36   685.3 6397.05  684.36 6440.21  684.36
 6572.63  685.02 6764.17  695.03 6819.62  691.52  6933.6  684.69 7253.58  663.82
 7295.75  661.61 7431.88  648.59 7689.98  619.84 7702.38  618.32 7854.44  615.17
 7976.57  614.04 8200.47  613.84 8354.35  612.41 8515.56  609.04 8679.52  607.02
 8806.53  588.51  8821.7  588.46 8900.67  586.58 9048.86  583.76 9099.33  583.76
 9136.34  584.62 9247.98  614.38 9342.78  616.58 9684.31  615.78 9823.61  606.39
 9872.77  597.2210060.21  596.7810282.47  614.3810546.96  613.76 11106.3  612.82
12394.48  612.82 12606.5  603.7613151.53  603.7613570.84   604.713623.76  605.64
13882.72  604.9613888.87  595.8913982.82  594.9114563.33  586.6515057.54  581.88
15075.25  579.38 15137.6  573.8915153.68  571.54   15179   568.115536.03   568.1
15573.69  573.83 15609.8  581.8815700.89  609.8315720.41  612.6815965.26  646.57
16417.24  651.7316864.31  656.0819033.13   655.319151.48   655.319387.21  655.44
19746.63  646.5920759.73  647.1821024.08  648.1222745.15  649.0623137.89  649.51
23572.51  652.9524240.58  659.3824470.62  660.9425615.23  660.9426267.74  651.88
26548.98  651.8827138.53  650.9427382.65  650.3927558.84  651.4427702.63  651.68
27855.27  652.9428157.23  656.3528487.65  659.2929615.43  687.2730297.64  687.75
31291.75  751.8731438.29  751.9832071.98  698.0632107.63  698.0933744.34  771.72
34815.86  764.8635018.66  764.0935380.06   783.435422.64  783.5435737.51  775.52
36078.12   785.7 36240.5  786.2437035.78     79037750.48  790.6238110.89     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515057.54     .15 15609.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15057.54 15609.8                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.08    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.01    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1483200.00   104651.90   1643356.00
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)             1483200.00   104651.90   1643356.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3202678.00   329160.90   3198161.00
  Top Width (ft)          32222.26    Top Width (ft)           13795.77     552.26   17874.23
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)             2.16       3.15       1.95
  Max Chl Dpth (ft)         191.91    Hydr. Depth (ft)           107.51     189.50      91.94
  Conv. Total (cfs)       697493800.0    Conv. (cfs)             331923900.0   34114080.0   331455800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         13813.29     554.40   17887.37
  Min Ch El (ft)            568.10    Shear (lb/sq ft)             0.62       1.10       0.53
  Alpha                       1.04    Stream Power (lb/ft s)       1.35       3.45       1.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    173671.80   26201.18   204397.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1603.22     129.23    1978.92


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276609.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  173.47  794.14  564.37  781.16 1189.01  762.51 1346.19  757.11
 1597.21   749.4 1744.42  749.05 2052.26  749.05 2346.13  748.79  3135.4  714.58
 3198.52  711.48 3278.74  710.95 3288.68  710.92 3465.92  719.48 3624.04  719.05
 3749.71  718.59 3884.64  715.28 4214.47  707.44 4616.45  698.59  4915.6  698.25
 5044.33  696.88 5184.41  694.61 5244.67  693.08 5563.91  690.06 5871.47  687.83
 5995.54   688.1 6189.37   686.2 6335.96  685.25 6398.67   684.3 6441.83   684.3
 6574.29  684.96 6765.87  694.97 6821.33  691.47 6935.35  684.66  7255.4  663.82
 7297.59  661.62 7433.76  648.65 7691.92  619.93 7704.32  618.41 7856.42  615.24
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 7978.58  614.11 8202.54  613.94 8356.46  612.51 8517.71  609.12 8681.71  607.09
 8808.75   588.6 8823.92  588.55 8902.92  586.65 9051.13   583.8 9101.63   583.8
 9138.64  584.67 9250.31  614.43 9345.13  616.65 9686.75  615.84 9826.08  606.46
 9875.26   597.310062.75  596.8510285.07  614.4310549.61   613.8 11109.1  612.85
12397.61  612.8512609.68   603.813154.85   603.813574.26  604.7513627.19   605.7
13886.22  605.0113892.37  595.9513986.34  594.97   14567  586.6815061.33   581.9
15079.18  579.3915142.01  573.9115158.22  571.5515183.73   568.1   15541   568.1
15578.84  573.8215615.12   581.9 15706.2  609.8315725.71  612.6715970.54  646.53
16422.47   651.7 16869.5  656.0419038.09  655.2519156.42  655.2519392.13  655.39
19751.51  646.55 20764.5  647.1521028.83   648.122749.71  649.0523142.41   649.5
23576.98  652.9524244.98  659.39   24475  660.9525619.49  660.9526271.93   651.9
26553.14   651.927142.62  650.9527386.72   650.427562.89  651.4427706.67  651.67
27859.29  652.9228161.22  656.34 28491.6  659.2929619.26  687.24 30301.4  687.73
 31295.4  751.7931441.93  751.8932075.56  698.04 32111.2  698.0733747.74  771.64
34819.14  764.7935021.92  764.0335383.29  783.3335425.86  783.47 35740.7  775.47
36081.27  785.6636243.63   786.237038.82     79037753.45  790.6338113.82     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515061.33     .1515615.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15061.3315615.12                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.01    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1483287.00   104934.80   1643574.00
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            1483287.00   104934.80   1643574.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3201765.00   329972.90   3198263.00
  Top Width (ft)          32227.20    Top Width (ft)          13799.52     553.79   17873.89
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.16       3.14       1.95
  Max Chl Dpth (ft)         191.91    Hydr. Depth (ft)          107.49     189.48      91.95
  Conv. Total (cfs)       697635400.0    Conv. (cfs)            331896600.0   34205170.0   331533600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13817.02     555.93   17887.01
  Min Ch El (ft)            568.10    Shear (lb/sq ft)            0.62       1.10       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.35       3.45       1.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    173501.60   26189.15   204209.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1601.64     129.16    1976.87


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276606.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  173.51  794.13  564.51  781.15 1189.31  762.51 1346.53   757.1
 1597.61  749.39 1744.86  749.04 2052.78  749.04 2346.72  748.78 3136.19   714.6
 3199.33   711.5 3279.56  710.96 3289.51  710.93 3466.79  719.48 3624.95  719.04
 3750.65  718.58 3885.62  715.27 4215.53  707.43 4617.61  698.58 4916.84  698.23
  5045.6  696.86 5185.71  694.58 5245.99  693.05 5565.32  690.03 5872.95   687.8
 5997.05  688.08 6190.93  686.16 6337.55   685.2 6400.28  684.24 6443.45  684.24
 6575.94  684.91 6767.57  694.92 6823.05  691.43 6937.09  684.63 7257.23  663.83
 7299.43  661.64 7435.63  648.71 7693.85  620.02 7706.26   618.5  7858.4  615.31
 7980.59  614.18 8204.61  614.03 8358.56  612.61 8519.85   609.2 8683.89  607.17
 8810.96  588.69 8826.14  588.64 8905.16  586.72 9053.41  583.84 9103.92  583.84
 9140.94  584.72 9252.64  614.48 9347.48  616.72 9689.19   615.9 9828.56  606.53
 9877.75  597.3710065.28  596.9210287.66  614.4710552.27  613.84 11111.9  612.88
12400.73  612.8812612.86  603.8413158.16  603.8413577.68   604.813630.63  605.76
13889.72  605.0713895.87  596.0113989.86  595.0314570.67   586.715065.13  581.92
15083.11   579.415146.42  573.9315162.76  571.5615188.46  568.0915545.98  568.09
15583.99  573.8215620.43  581.9215711.51  609.8315731.02  612.6715975.82   646.5
 16427.7  651.6616874.68     65619043.04   655.219161.37   655.219397.04  655.34
19756.39  646.5220769.28  647.1221033.57  648.0822754.28  649.0423146.93   649.5
23581.46  652.9524249.39   659.424479.38  660.9625623.75  660.9626276.12  651.92
 26557.3  651.9227146.72  650.9627390.79   650.427566.94  651.44 27710.7  651.66
27863.31  652.9128165.21  656.3428495.56  659.28 29623.1  687.2130305.16   687.7
31299.06   751.731445.57  751.8132079.13  698.0232114.77  698.0533751.14  771.55
34822.43  764.7235025.18  763.9635386.51  783.2635429.08   783.435743.88  775.43
36084.42  785.6136246.77  786.1637041.88     79037756.42  790.6438116.76     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515065.13     .1515620.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15065.1315620.43                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.01    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1483365.00   105217.50   1643804.00
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            1483365.00   105217.50   1643804.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3200839.00   330790.10   3198371.00
  Top Width (ft)          32232.18    Top Width (ft)          13803.13     555.30   17873.76
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.16       3.14       1.95
  Max Chl Dpth (ft)         191.92    Hydr. Depth (ft)          107.47     189.48      91.97
  Conv. Total (cfs)       697778000.0    Conv. (cfs)            331868500.0   34296880.0   331612600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13820.60     557.43   17886.86
  Min Ch El (ft)            568.09    Shear (lb/sq ft)            0.62       1.10       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.35       3.45       1.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    173331.30   26177.09   204020.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1600.06     129.10    1974.82


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276604.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
```

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       0     800  173.55  794.13  564.66  781.14 1189.61  762.51 1346.87   757.1
 1598.02  749.39  1745.3  749.03  2053.3  749.03 2347.31  748.77 3136.98  714.61
 3200.13  711.51 3280.39  710.97 3290.34  710.94 3467.67  719.47 3625.86  719.03
  3751.6  718.56  3886.6  715.25 4216.59  707.41 4618.77  698.56 4918.08  698.21
 5046.87  696.84 5187.02  694.55 5247.32  693.01 5566.72     690 5874.43  687.78
 5998.56  688.06 6192.48  686.12 6339.15  685.15 6401.89  684.18 6445.07  684.18
  6577.6  684.86 6769.28  694.87 6824.77  691.38 6938.84  684.61 7259.06  663.84
 7301.27  661.66  7437.5  648.76 7695.79  620.11  7708.2  618.58 7860.38  615.38
  7982.6  614.26 8206.67  614.13 8360.67   612.7    8522  609.28 8686.08  607.24
 8813.18  588.78 8828.36  588.73  8907.4  586.79 9055.69  583.88 9106.21  583.88
 9143.24  584.76 9254.97  614.52 9349.84  616.79 9691.63  615.96 9831.03   606.6
 9880.23  597.4510067.81     59710290.25  614.5210554.93  613.8811114.69  612.91
12403.85  612.9112616.03  603.8813161.47  603.88 13581.1  604.8513634.06  605.82
13893.21  605.1213899.37  596.0713993.38  595.0914574.34  586.7315068.92  581.94
15087.04  579.4215150.84  573.95 15167.3  571.57 15193.2  568.0915550.96  568.09
15589.14  573.8115625.75  581.9415716.81  609.8315736.32  612.67 15981.1  646.46
16432.94  651.6316879.87  655.9519047.99  655.1519166.31  655.1519401.96  655.29
19761.27  646.4820774.05  647.0921038.32  648.0622758.84  649.0323151.45  649.49
23585.93  652.9424253.79  659.4124483.76  660.9725628.01  660.9726280.31  651.94
26561.46  651.9427150.81  650.9727394.86  650.4127570.99  651.4427714.74  651.64
27867.33  652.89 28169.2  656.3328499.51  659.2729626.93  687.1830308.93  687.68
31302.72  751.6131449.21  751.7232082.71     69832118.34  698.0333754.54  771.46
34825.71  764.6535028.45   763.935389.74  783.19 35432.3  783.3435747.07  775.38
36087.57  785.57 36249.9  786.1237044.92     79037759.39  790.64 38119.7     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515068.92     .1515625.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15068.9215625.75                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.08    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.01    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1483448.00   105499.90   1644060.00
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            1483448.00   105499.90   1644060.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3199897.00   331592.60   3198511.00
  Top Width (ft)          32237.03    Top Width (ft)          13806.58     556.83   17873.61
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.16       3.14       1.95
  Max Chl Dpth (ft)         191.92    Hydr. Depth (ft)          107.45     189.47      91.98
  Conv. Total (cfs)       697933000.0    Conv. (cfs)            331844500.0   34387720.0   331700800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13824.03     558.96   17886.70
  Min Ch El (ft)            568.09    Shear (lb/sq ft)            0.62       1.10       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.34       3.44       1.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    173161.10   26164.99   203831.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1598.47     129.04    1972.77


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276601.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   173.6  794.12   564.8  781.12 1189.91  762.51  1347.2  757.09
 1598.42  749.38 1745.74  749.02 2053.81  749.02  2347.9  748.75 3137.77  714.63
 3200.94  711.53 3281.21  710.98 3291.16  710.95 3468.54  719.47 3626.78  719.02
 3752.54  718.55 3887.58  715.23 4217.65  707.39 4619.93  698.55 4919.32  698.19
 5048.14  696.83 5188.33  694.52 5248.64  692.97 5568.12  689.96 5875.91  687.76
 6000.07  688.04 6194.04  686.08 6340.74   685.1  6403.5  684.12 6446.69  684.12
 6579.25   684.8 6770.98  694.81 6826.49  691.34 6940.59  684.58 7260.89  663.84
  7303.1  661.68 7439.37  648.82 7697.73   620.2 7710.14  618.67 7862.36  615.46
 7984.61  614.33 8208.74  614.22 8362.77   612.8 8524.14  609.35 8688.26  607.32
  8815.4  588.87 8830.59  588.82 8909.64  586.86 9057.97  583.92  9108.5  583.92
 9145.54  584.81  9257.3  614.57 9352.19  616.86 9694.07  616.03 9833.51  606.67
 9882.72  597.5310070.35  597.0710292.84  614.5710557.58  613.9211117.49  612.94
12406.97  612.9412619.21  603.9213164.79  603.9213584.51   604.913637.49  605.88
13896.71  605.1713902.86  596.1413996.91  595.1514578.01  586.7515072.71  581.96
15090.97  579.4315155.25  573.9615171.83  571.5715197.93  568.0915555.94  568.09
15594.29  573.8115631.07  581.9615722.12  609.8315741.63  612.6615986.38  646.42
16438.17  651.5916885.05  655.9119052.95   655.119171.25   655.119406.88  655.24
19766.15  646.4420778.82  647.0621043.06  648.04 22763.4  649.0223155.97  649.49
 23590.4  652.94 24258.2  659.4224488.14  660.9825632.27  660.98 26284.5  651.96
26565.62  651.9627154.91  650.9827398.93  650.4127575.04  651.4427718.78  651.63
27871.35  652.8828173.18  656.3228503.46  659.2629630.77  687.1530312.69  687.66
31306.38  751.5331452.85  751.6332086.28  697.9832121.91  698.0133757.93  771.37
   34829  764.5835031.71  763.8435392.96  783.1235435.52  783.2735750.25  775.33
36090.72  785.5236253.03  786.0837047.97     79037762.37  790.6538122.63     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515072.71     .1515631.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15072.7115631.07                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.08    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.01    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1483537.00   105783.10   1644292.00
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            1483537.00   105783.10   1644292.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3198990.00   332402.20   3198608.00
  Top Width (ft)          32242.01    Top Width (ft)          13810.18     558.36   17873.46
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.16       3.14       1.95
  Max Chl Dpth (ft)         191.92    Hydr. Depth (ft)          107.42     189.45      92.00
  Conv. Total (cfs)       698080600.0    Conv. (cfs)            331820600.0   34478970.0   331781000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13827.60     560.49   17886.53
  Min Ch El (ft)            568.09    Shear (lb/sq ft)            0.62       1.10       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.34       3.44       1.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    172990.80   26152.87   203643.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1596.89     128.97    1970.72


CROSS SECTION
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RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276598.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  173.64  794.12  564.94  781.11 1190.21   762.5 1347.54  757.08
 1598.82  749.38 1746.18  749.01 2054.33  749.01 2348.49  748.74 3138.56  714.65
 3201.75  711.54 3282.04  710.99 3291.99  710.96 3469.41  719.46 3627.69  719.01
 3753.49  718.53 3888.56  715.21 4218.72  707.37  4621.1  698.53 4920.56  698.17
 5049.42  696.81 5189.63   694.5 5249.96  692.94 5569.52  689.93 5877.39  687.74
 6001.58  688.02  6195.6  686.04 6342.34  685.05 6405.11  684.06 6448.32  684.06
 6580.91  684.75 6772.69  694.76 6828.21  691.29 6942.33  684.55 7262.71  663.85
 7304.94  661.69 7441.24  648.88 7699.67  620.28 7712.08  618.76 7864.34  615.53
 7986.62   614.4  8210.8  614.32 8364.88   612.9 8526.29  609.43 8690.45  607.39
 8817.62  588.96 8832.81  588.91 8911.88  586.93 9060.25  583.96 9110.79  583.96
 9147.84  584.86 9259.63  614.62 9354.54  616.93 9696.51  616.09 9835.98  606.73
 9885.21   597.610072.88  597.1410295.43  614.6110560.24  613.9611120.29  612.97
 12410.1  612.9712622.38  603.96 13168.1  603.9613587.93  604.9513640.92  605.94
13900.21  605.2313906.36   596.214000.43  595.2214581.67  586.7815076.51  581.98
 15094.9  579.4415159.66  573.9815176.37  571.5815202.67  568.0915560.92  568.09
15599.45  573.8115636.38  581.9815727.43  609.8315746.93  612.6615991.66  646.39
 16443.4  651.5616890.23  655.87 19057.9  655.0519176.19  655.0519411.79   655.2
19771.03  646.4120783.59  647.03 21047.8  648.0222767.96  649.0123160.49  649.48
23594.88  652.94 24262.6  659.4324492.52  660.9925636.52  660.9926288.69  651.98
26569.78  651.9827159.01  650.99   27403  650.41 27579.1  651.4427722.81  651.62
27875.37  652.8628177.17  656.3228507.42  659.26 29634.6  687.1230316.45  687.63
31310.03  751.44 31456.5  751.5532089.86  697.9632125.48  697.9933761.33  771.28
34832.28   764.535034.97  763.7735396.18  783.0535438.74   783.235753.44  775.28
36093.87  785.4836256.16  786.0437051.02     79037765.34  790.6638125.57     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515076.51     .1515636.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15076.5115636.38                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.01    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1483618.00   106061.90   1644512.00
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            1483618.00   106061.90   1644512.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3198082.00   333202.10   3198716.00
  Top Width (ft)          32247.15    Top Width (ft)          13813.94     559.87   17873.34
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.16       3.14       1.95
  Max Chl Dpth (ft)         191.92    Hydr. Depth (ft)          107.40     189.44      92.01
  Conv. Total (cfs)       698216400.0    Conv. (cfs)            331791000.0   34568670.0   331856800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13831.34     561.99   17886.38
  Min Ch El (ft)            568.09    Shear (lb/sq ft)            0.62       1.09       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.34       3.44       1.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    172820.50   26140.71   203454.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1595.30     128.91    1968.67


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276595.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  173.68  794.11  565.08   781.1 1190.51   762.5 1347.88  757.07
 1599.22  749.37 1746.62    749 2054.85    749 2349.08  748.73 3139.35  714.67
 3202.55  711.56 3282.86    711 3292.82  710.97 3470.28  719.46  3628.6    719
 3754.43  718.52 3889.53   715.2 4219.78  707.35 4622.26  698.52 4921.79  698.16
 5050.69  696.79 5190.94  694.47 5251.28   692.9 5570.92   689.9 5878.87  687.71
 6003.09     688 6197.16    686 6343.94    685 6406.72    684 6449.94    684
 6582.56   684.7 6774.39  694.71 6829.92  691.24 6944.08  684.53 7264.54  663.86
 7306.78  661.71 7443.12  648.94  7701.6  620.37 7714.02  618.85 7866.32   615.6
 7988.63  614.47 8212.87  614.41 8366.98  612.99 8528.43  609.51 8692.64  607.46
 8819.84  589.05 8835.03    589 8914.12    587 9062.53    584 9113.09    584
 9150.14  584.91 9261.96  614.66  9356.9    617 9698.95  616.15 9838.46   606.8
  9887.7  597.6810075.42  597.2110298.02  614.66 10562.9    61411123.09    613
12413.22    61312625.56    60413171.41    60413591.35    60513644.35    606
13903.71  605.2813909.86  596.2614003.95  595.2814585.34  586.81 15080.3    582
15098.83  579.4515164.08    57415180.91  571.59 15207.4  568.09 15565.9  568.09
 15604.6   573.8 15641.7    58215732.74  609.8215752.24  612.6615996.94  646.35
16448.63  651.5216895.42  655.8319062.86    65519181.13    65519416.71  655.15
19775.91  646.3720788.36    64721052.55    64822772.52    64923165.01  649.47
23599.35  652.93   24267  659.45 24496.9    66125640.78    66126292.87    652
26573.94     652 27163.1    65127407.07  650.4227583.15  651.4427726.85  651.61
27879.39  652.8528181.16  656.3128511.37  659.2529638.43  687.0930320.21  687.61
31313.69  751.3531460.14  751.4632093.43  697.9432129.05  697.9733764.73   771.2
34835.57  764.4335038.23  763.7135399.41  782.9835441.96  783.1335756.62  775.23
36097.02  785.43 36259.3    78637054.07    79037768.32  790.66 38128.5    800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 15080.3     .15 15641.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       15080.3 15641.7                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.01    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1483692.00   106344.60   1644747.00
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            1483692.00   106344.60   1644747.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3197136.00   334009.80   3198854.00
  Top Width (ft)          32251.95    Top Width (ft)          13817.53     561.40   17873.02
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.15       3.14       1.94
  Max Chl Dpth (ft)         191.92    Hydr. Depth (ft)          107.38     189.43      92.02
  Conv. Total (cfs)       698361300.0    Conv. (cfs)            331761700.0   34659670.0   331940000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13834.90     563.52   17886.04
```

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  Min Ch El (ft)            568.09    Shear (lb/sq ft)            0.62       1.09       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.34       3.44       1.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    172650.20   26128.52   203265.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1593.72     128.84    1966.61


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276592.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  173.73  794.11  565.23  781.09 1190.81   762.5 1348.22  757.06
 1599.63  749.36 1747.06  748.99 2055.36  748.99 2349.68  748.72 3140.14  714.68
 3203.36  711.58 3283.69  711.01 3293.65  710.98 3471.16  719.45 3629.51  718.99
 3755.38   718.5 3890.51  715.18 4220.84  707.33 4623.42   698.5 4923.03  698.14
 5051.96  696.77 5192.24  694.44  5252.6  692.87 5572.32  689.86 5880.34  687.69
  6004.6  687.98 6198.72  685.96 6345.53  684.95 6408.33  683.94 6451.56  683.94
 6584.22  684.65 6776.09  694.65 6831.64   691.2 6945.83   684.5 7266.37  663.86
 7308.62  661.73 7444.99  648.99 7703.54  620.46 7715.96  618.94 7868.29  615.67
 7990.64  614.55 8214.93  614.51 8369.09  613.09 8530.58  609.59 8694.82  607.54
 8822.05  589.14 8837.25  589.09 8916.37  587.07 9064.81  584.04 9115.38  584.04
 9152.45  584.96 9264.29  614.71 9359.25  617.07 9701.39  616.21 9840.93  606.87
 9890.18  597.7610077.95  597.2810300.61  614.7110565.55  614.0411125.88  613.03
12416.34  613.0312628.73  604.0413174.72  604.0413594.77  605.0513647.79  606.06
 13907.2  605.3313913.36  596.3214007.47  595.3414589.01  586.8315084.09  582.02
15102.76  579.4615168.49  574.0215185.45   571.615212.13  568.0915570.88  568.09
15609.75   573.815647.02  582.0215738.04  609.8215757.54  612.6516002.22  646.31
16453.86  651.49 16900.6  655.7919067.81  654.9519186.08  654.9519421.63   655.1
19780.79  646.3320793.13  646.9721057.29  647.9822777.09  648.9923169.53  649.47
23603.82  652.93 24271.4  659.4624501.28  661.0125645.04  661.0126297.06  652.02
26578.09  652.02 27167.2  651.0127411.14  650.42 27587.2  651.4327730.89  651.59
27883.41  652.8428185.15   656.328515.33  659.2429642.27  687.0730323.97  687.58
31317.35  751.2731463.78  751.38   32097  697.9232132.62  697.9533768.12  771.11
34838.85  764.36 35041.5  763.6535402.63  782.9135445.18  783.0635759.81  775.19
36100.17  785.3836262.43  785.9637057.12     79037771.29  790.6738131.43     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515084.09     .1515647.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15084.0915647.02                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.01    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1483785.00   106626.90   1644973.00
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            1483785.00   106626.90   1644973.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3196251.00   334814.30   3198935.00
  Top Width (ft)          32256.93    Top Width (ft)          13821.13     562.93   17872.88
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.15       3.14       1.94
  Max Chl Dpth (ft)         191.92    Hydr. Depth (ft)          107.36     189.41      92.04
  Conv. Total (cfs)       698507900.0    Conv. (cfs)             331739500.0   34750430.0   332018000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13838.46     565.04   17885.88
  Min Ch El (ft)            568.09    Shear (lb/sq ft)            0.62       1.09       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.34       3.43       1.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    172479.90   26116.29   203076.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1592.13     128.78    1964.56


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276589.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  173.77   794.1  565.37  781.07 1191.11   762.5 1348.56  757.06
 1600.03  749.36  1747.5  748.98 2055.88  748.98 2350.27   748.7 3140.93   714.7
 3204.16  711.59 3284.52  711.02 3294.48  710.99 3472.03  719.45 3630.43  718.98
 3756.32  718.49 3891.49  715.16  4221.9  707.31 4624.58  698.49 4924.27  698.12
 5053.23  696.75 5193.55  694.41 5253.92  692.83 5573.72  689.83 5881.82  687.67
 6006.11  687.96 6200.28  685.92 6347.13   684.9 6409.94  683.88 6453.18  683.88
 6585.88  684.59  6777.8   694.6 6833.36  691.15 6947.57  684.47 7268.19  663.87
 7310.46  661.74 7446.86  649.05 7705.48  620.55  7717.9  619.03 7870.27  615.74
 7992.65  614.62    8217   614.6 8371.19  613.19 8532.72  609.67 8697.01  607.61
 8824.27  589.23 8839.47  589.18 8918.61  587.14 9067.09  584.08 9117.67  584.08
 9154.75  585.01 9266.62  614.76  9361.6  617.14 9703.83  616.27 9843.41  606.94
 9892.67  597.8310080.49  597.36 10303.2  614.7510568.21  614.0811128.68  613.06
12419.46  613.0612631.91  604.0813178.04  604.0813598.19   605.113651.22  606.12
 13910.7  605.3813916.86  596.39   14011   595.414592.68  586.8615087.89  582.04
15106.69  579.48 15172.9  574.0415189.99  571.6115216.87  568.0915575.86  568.09
 15614.9  573.7915652.33  582.0415743.35  609.8215762.85  612.65 16007.5  646.28
16459.09  651.4516905.79  655.7519072.77   654.919191.02   654.919426.55  655.05
19785.66   646.320797.91  646.9421062.04  647.9622781.65  648.9823174.05  649.46
 23608.3  652.9324275.81  659.4724505.66  661.02 25649.3  661.0226301.25  652.04
26582.25  652.04 27171.3  651.0227415.21  650.4327591.25  651.4327734.92  651.58
27887.43  652.8228189.14  656.2928519.28  659.23 29646.1  687.0430327.74  687.56
   31321  751.1831467.42  751.2932100.58   697.932136.19  697.9333771.52  771.02
34842.13  764.2935044.76  763.5935405.86  782.84 35448.4  782.99   35763  775.14
36103.32  785.3436265.56  785.9237060.17     79037774.26  790.6838134.37     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515087.89     .1515652.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15087.8915652.33                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.01    Reach Len. (ft)             5.00       5.00       5.00
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  Crit W.S. (ft)                      Flow Area (sq ft)       1483869.00   106905.60   1645205.00
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            1483869.00   106905.60   1645205.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3195356.00   335607.80   3199036.00
  Top Width (ft)          32261.80    Top Width (ft)          13824.60     564.44   17872.76
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.15       3.14       1.94
  Max Chl Dpth (ft)         191.92    Hydr. Depth (ft)          107.34     189.40      92.05
  Conv. Total (cfs)       698654000.0    Conv. (cfs)             331715900.0   34840080.0   332098000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13841.89     566.55   17885.73
  Min Ch El (ft)            568.09    Shear (lb/sq ft)            0.62       1.09       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.34       3.43       1.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    172309.60   26104.04   202887.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1590.54     128.71    1962.51


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276586.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  173.81   794.1  565.51  781.06 1191.41  762.49  1348.9  757.05
 1600.43  749.35 1747.94  748.97  2056.4  748.97 2350.86  748.69 3141.72  714.72
 3204.97  711.61 3285.34  711.03 3295.31     711  3472.9  719.44 3631.34  718.97
 3757.26  718.47 3892.47  715.15 4222.96  707.29 4625.75  698.47 4925.51   698.1
  5054.5  696.73 5194.85  694.39 5255.24  692.79 5575.12   689.8  5883.3  687.64
 6007.62  687.94 6201.84  685.88 6348.72  684.85 6411.56  683.82 6454.81  683.82
 6587.53  684.54  6779.5  694.55 6835.08  691.11 6949.32  684.44 7270.02  663.88
 7312.29  661.76 7448.73  649.11 7707.41  620.64 7719.84  619.11 7872.25  615.81
 7994.66  614.69 8219.07   614.7 8373.29  613.28 8534.87  609.75  8699.2  607.69
 8826.49  589.32  8841.7  589.27 8920.85  587.21 9069.37  584.12 9119.96  584.12
 9157.05  585.06 9268.95   614.8 9363.96  617.21 9706.27  616.33 9845.88  607.01
 9895.16  597.9110083.02  597.4310305.79   614.810570.87  614.1211131.48  613.09
12422.58  613.0912635.08  604.1213181.35  604.1213601.61  605.1513654.65  606.18
 13914.2  605.4413920.36  596.4514014.52  595.4614596.35  586.8815091.68  582.06
15110.62  579.4915177.32  574.0515194.52  571.62 15221.6  568.0915580.84  568.09
15620.05  573.7915657.65  582.0615748.66  609.8215768.15  612.6516012.78  646.24
16464.32  651.4216910.97   655.719077.72  654.8519195.96  654.8519431.46     655
19790.54  646.2620802.68  646.9121066.78  647.9422786.21  648.9723178.57  649.46
23612.77  652.9324280.21  659.4824510.04  661.0325653.55  661.0326305.44  652.06
26586.41  652.0627175.39  651.0327419.28  650.43 27595.3  651.4327738.96  651.57
27891.45  652.8128193.13  656.2928523.23  659.2329649.94  687.01 30331.5  687.54
31324.66  751.0931471.06  751.2132104.15  697.8832139.76  697.9133774.92  770.93
34845.42  764.2235048.02  763.5235409.08  782.7735451.62  782.9235766.18  775.09
36106.47  785.29 36268.7  785.8837063.21     79037777.23  790.68 38137.3     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515091.68    .1515657.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15091.6815657.65                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.01    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1483954.00   107188.40   1645437.00
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            1483954.00   107188.40   1645437.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3194434.00   336416.00   3199150.00
  Top Width (ft)          32266.95    Top Width (ft)          13828.34     565.97   17872.64
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.15       3.14       1.94
  Max Chl Dpth (ft)         191.92    Hydr. Depth (ft)          107.31     189.39      92.06
  Conv. Total (cfs)       698796400.0    Conv. (cfs)             331687800.0   34931100.0   332177500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13845.62     568.08   17885.60
  Min Ch El (ft)            568.09    Shear (lb/sq ft)            0.62       1.09       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.34       3.43       1.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    172139.20   26091.75   202699.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1588.96     128.65    1960.46


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276583.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  173.86  794.09  565.65  781.05  1191.7  762.49 1349.24  757.04
 1600.83  749.34 1748.38  748.96 2056.92  748.96 2351.45  748.68 3142.51  714.73
 3205.77  711.62 3286.17  711.04 3296.13  711.01 3473.78  719.44 3632.25  718.96
 3758.21  718.46 3893.45  715.13 4224.02  707.27 4626.91  698.46 4926.74  698.08
 5055.77  696.71 5196.16  694.36 5256.56  692.76 5576.53  689.76 5884.78  687.62
 6009.13  687.92  6203.4  685.84 6350.32   684.8 6413.17  683.76 6456.43  683.76
 6589.19  684.49 6781.21   694.5 6836.79  691.06 6951.07  684.42 7271.85  663.88
 7314.13  661.78  7450.6  649.16 7709.35  620.73 7721.78   619.2 7874.23  615.89
 7996.67  614.77 8221.13  614.79  8375.4  613.38 8537.01  609.82 8701.38  607.76
 8828.71  589.41 8843.92  589.36 8923.09  587.28 9071.65  584.16 9122.26  584.16
 9159.35  585.11 9271.28  614.85 9366.31  617.28 9708.71   616.4 9848.36  607.07
 9897.64  597.9910085.55   597.510308.38  614.8510573.52  614.1611134.28  613.12
12425.71  613.1212638.26  604.1613184.66  604.1613605.02   605.213658.08  606.24
13917.69  605.4913923.86  596.5114018.04  595.5214600.02  586.9115095.47  582.08
15114.55   579.515181.73  574.0715199.06  571.6315226.34  568.0915585.82  568.09
 15625.2  573.7815662.97  582.0815753.96  609.8215773.46  612.6516018.05  646.21
16469.56  651.3816916.16  655.6619082.68   654.8 19200.9   654.819436.38  654.95
19795.42  646.2220807.45  646.8821071.52  647.9222790.77  648.9623183.09  649.45
23617.25  652.9224284.62  659.4924514.41  661.0425657.81  661.0426309.63  652.08
26590.57  652.0827179.49  651.0427423.35  650.4427599.36  651.43   27743  651.55
27895.47  652.7928197.12  656.2828527.19  659.2229653.77  686.9830335.26  687.51
31328.32  751.01 31474.7  751.1232107.73  697.8632143.33  697.8933778.31  770.84
 34848.7  764.1535051.29  763.46 35412.3   782.735454.84  782.8535769.37  775.04
36109.62  785.2536271.83  785.8437066.27     79037780.21  790.6938140.24     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515095.47    .1515662.97     .15
```

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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15095.4715662.97                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.07    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.01    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1484035.00   107470.90   1645683.00
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            1484035.00   107470.90   1645683.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3193495.00   337219.40   3199286.00
  Top Width (ft)          32271.95    Top Width (ft)          13831.94     567.50   17872.50
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.15       3.14       1.94
  Max Chl Dpth (ft)         191.92    Hydr. Depth (ft)          107.29     189.38      92.08
  Conv. Total (cfs)       698945400.0    Conv. (cfs)            331661000.0   35021990.0   332262400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13849.19     569.60   17885.44
  Min Ch El (ft)            568.09    Shear (lb/sq ft)            0.62       1.09       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.33       3.43       1.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    171968.90   26079.43   202510.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1587.37     128.58    1958.41


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276580.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   173.9  794.09  565.79  781.04    1192  762.49 1349.58  757.03
 1601.23  749.34 1748.82  748.95 2057.43  748.95 2352.04  748.67  3143.3  714.75
 3206.58  711.64 3286.99  711.05 3296.96  711.02 3474.65  719.43 3633.16  718.95
 3759.15  718.44 3894.43  715.11 4225.08  707.25 4628.07  698.44 4927.98  698.06
 5057.04  696.69 5197.47  694.33 5257.88  692.72 5577.93  689.73 5886.26   687.6
 6010.64   687.9 6204.95   685.8 6351.91  684.75 6414.78   683.7 6458.05   683.7
 6590.84  684.43 6782.91  694.44 6838.51  691.02 6952.81  684.39 7273.68  663.89
 7315.97   661.8 7452.48  649.22 7711.29  620.81 7723.72  619.29 7876.21  615.96
 7998.68  614.84  8223.2  614.89  8377.5  613.48 8539.16   609.9 8703.57  607.84
 8830.93   589.5 8846.14  589.45 8925.34  587.35 9073.93   584.2 9124.55   584.2
 9161.65  585.16  9273.6   614.9 9368.66  617.35 9711.15  616.46 9850.83  607.14
 9900.13  598.0610088.09  597.5710310.97  614.8910576.18   614.211137.08  613.15
12428.83  613.1512641.44   604.213187.98   604.213608.44  605.2513661.51   606.3
13921.19  605.5413927.35  596.5714021.56  595.5814603.69  586.9315099.26   582.1
15118.48  579.5115186.14  574.09 15203.6  571.6415231.07  568.0815590.79  568.08
15630.36  573.7815668.29   582.115759.27  609.8115778.76  612.6416023.33  646.17
16474.79  651.3516921.34  655.6219087.63  654.7519205.85  654.75 19441.3   654.9
 19800.3  646.1920812.22  646.8521076.27   647.922795.33  648.9523187.61  649.45
23621.72  652.9224289.02  659.5124518.79  661.0525662.07  661.0526313.82   652.1
26594.73   652.127183.59  651.0527427.42  650.4427603.41  651.4327747.03  651.54
 27899.5  652.7828201.11  656.2728531.14  659.2129657.61  686.9530339.02  687.49
31331.97  750.9231478.34  751.04 32111.3  697.84 32146.9  697.8633781.71  770.76
34851.98  764.0735054.55   763.435415.53  782.6335458.05  782.7935772.55     775
36112.77   785.236274.96   785.837069.31     79037783.18   790.738143.18     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515099.26     .1515668.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15099.2615668.29                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.07    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.00    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1484123.00   107757.20   1645904.00
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            1484123.00   107757.20   1645904.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3192593.00   338042.00   3199365.00
  Top Width (ft)          32276.79    Top Width (ft)          13835.53     569.03   17872.23
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.15       3.14       1.94
  Max Chl Dpth (ft)         191.92    Hydr. Depth (ft)          107.27     189.37      92.09
  Conv. Total (cfs)       699092400.0    Conv. (cfs)            331637100.0   35114790.0   332340400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13852.76     571.13   17885.14
  Min Ch El (ft)            568.08    Shear (lb/sq ft)            0.62       1.09       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.33       3.42       1.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    171798.50   26067.08   202321.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1585.78     128.52    1956.36


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276577.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  173.95  794.09  565.94  781.03  1192.3  762.48 1349.92  757.03
 1601.64  749.33 1749.26  748.94 2057.95  748.94 2352.63  748.65 3144.09  714.77
 3207.38  711.65 3287.82  711.06 3297.79  711.03 3475.52  719.43 3634.08  718.94
  3760.1  718.43  3895.4   715.1 4226.15  707.23 4629.23  698.43 4929.22  698.04
 5058.31  696.68 5198.77  694.31  5259.2  692.68 5579.33   689.7 5887.74  687.58
 6012.15  687.88 6206.51  685.76 6353.51   684.7 6416.39  683.64 6459.67  683.64
  6592.5  684.38 6784.61  694.39 6840.23  690.97 6954.56  684.36  7275.5   663.9
 7317.81  661.81 7454.35  649.28 7713.23   620.9 7725.66  619.38 7878.19  616.03
 8000.68  614.91 8225.26  614.98 8379.61  613.57  8541.3  609.98 8705.76  607.91
 8833.15  589.59 8848.36  589.54 8927.58  587.42 9076.21  584.24 9126.84  584.24
 9163.95  585.21 9275.93  614.94 9371.02  617.42 9713.58  616.52  9853.3  607.21
 9902.62  598.1410090.62  597.6510313.56  614.9410578.84  614.2411139.87  613.18
12431.95  613.1812644.61  604.2413191.29  604.2413611.86   605.313664.94  606.36
13924.69   605.613930.85  596.6414025.08  595.6414607.35  586.9615103.06  582.12
15122.41  579.5215190.56  574.1115208.14  571.65 15235.8  568.0815595.77  568.08
15635.51  573.78 15673.6  582.1215764.58  609.8115784.07  612.6416028.61  646.13
16480.02  651.3116926.53  655.5819092.59   654.719210.79   654.719446.21  654.86
19805.18  646.1520816.99  646.8221081.01  647.8822799.89  648.9423192.13  649.44
 23626.2  652.9224293.42  659.5224523.17  661.0625666.33  661.0626318.01  652.12
26598.89  652.1227187.68  651.06 27431.5  650.4427607.46  651.4327751.07  651.53
27903.52  652.7628205.09  656.27 28535.1   659.229661.44  686.9230342.79  687.46
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31335.63  750.8331481.98  750.9532114.88  697.8232150.47  697.8433785.11  770.67
34855.27     76435057.81  763.3335418.75  782.5635461.28  782.7235775.74  774.95
36115.92  785.1636278.09  785.7637072.36     79037786.15   790.738146.11     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515103.06     .15 15673.6     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15103.06 15673.6                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.07    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.00    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1484200.00   108035.70   1646152.00
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            1484200.00   108035.70   1646152.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3191652.00   338833.20   3199515.00
  Top Width (ft)          32281.82    Top Width (ft)          13839.16     570.54   17872.12
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.15       3.14       1.94
  Max Chl Dpth (ft)         191.92    Hydr. Depth (ft)          107.25     189.36      92.11
  Conv. Total (cfs)       699237900.0    Conv. (cfs)            331608300.0   35204310.0   332425200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13856.35     572.64   17885.02
  Min Ch El (ft)            568.08    Shear (lb/sq ft)            0.62       1.09       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.33       3.42       1.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    171628.20   26054.70   202132.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1584.19     128.45    1954.31


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276574.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  173.99  794.08  566.08  781.01  1192.6  762.48 1350.26  757.02
 1602.04  749.33  1749.7  748.93 2058.47  748.93 2353.22  748.64 3144.88  714.79
 3208.19  711.67 3288.64  711.07 3298.62  711.04 3476.39  719.42 3634.99  718.93
 3761.04  718.41 3896.38  715.08 4227.21  707.21  4630.4  698.41 4930.46  698.03
 5059.58  696.66 5200.08  694.28 5260.52  692.65 5580.73  689.66 5889.22  687.55
 6013.66  687.86 6208.07  685.72  6355.1  684.65    6418  683.58 6461.29  683.58
 6594.15  684.33 6786.32  694.34 6841.95  690.92 6956.31  684.33 7277.33   663.9
 7319.65  661.83 7456.22  649.33 7715.16  620.99  7727.6  619.47 7880.17   616.1
 8002.69  614.98 8227.33  615.08 8381.71  613.67 8543.45  610.06 8707.94  607.99
 8835.37  589.68 8850.59  589.63 8929.82  587.49 9078.49  584.28 9129.13  584.28
 9166.25  585.26 9278.26  614.99 9373.37  617.49 9716.02  616.58 9855.78  607.28
  9905.1  598.2210093.16  597.7210316.15  614.9910581.49  614.2811142.67  613.21
12435.07  613.2112647.79  604.28 13194.6  604.2813615.28  605.3513668.38  606.42
13928.19  605.6513934.35   596.714028.61   595.714611.02  586.9915106.85  582.14
15126.34  579.5315194.97  574.1215212.67  571.6615240.54  568.0815600.75  568.08
15640.66  573.7715678.92  582.1415769.89  609.8115789.38  612.6416033.89   646.1
16485.25  651.2816931.71  655.5419097.54  654.6519215.73  654.6519451.13  654.81
19810.06  646.1220821.76  646.7921085.75  647.8622804.46  648.9323196.65  649.44
23630.67  652.9124297.82  659.5324527.55  661.0725670.59  661.07 26322.2  652.14
26603.05  652.1427191.78  651.0727435.57  650.4527611.51  651.4227755.11  651.52
27907.54  652.7528209.08  656.2628539.05   659.229665.28  686.8930346.55  687.44
31339.29  750.7531485.63  750.8732118.45   697.832154.04  697.82 33788.5  770.58
34858.55  763.9335061.07  763.2735421.98  782.49 35464.5  782.6535778.93   774.9
36119.07  785.1136281.23  785.7237075.41     79037789.13  790.7138149.05     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515106.85     .1515678.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15106.8515678.92                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.07    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.00    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1484282.00   108318.80   1646362.00
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            1484282.00   108318.80   1646362.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3190772.00   339644.10   3199585.00
  Top Width (ft)          32286.82    Top Width (ft)          13842.75     572.07   17872.00
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.15       3.14       1.94
  Max Chl Dpth (ft)         191.92    Hydr. Depth (ft)          107.22     189.35      92.12
  Conv. Total (cfs)       699375000.0    Conv. (cfs)            331581900.0   35295480.0   332497700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13859.92     574.16   17884.87
  Min Ch El (ft)            568.08    Shear (lb/sq ft)            0.62       1.09       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.33       3.42       1.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    171457.80   26042.28   201943.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1582.60     128.39    1952.25


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276571.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  174.03  794.08  566.22     781  1192.9  762.48 1350.59  757.01
 1602.44  749.32 1750.14  748.92 2058.98  748.92 2353.81  748.63 3145.67   714.8
 3208.99  711.68 3289.47  711.08 3299.45  711.05 3477.27  719.41  3635.9  718.92
 3761.99   718.4 3897.36  715.06 4228.27  707.19 4631.56   698.4  4931.7  698.01
 5060.85  696.64 5201.38  694.25 5261.84  692.61 5582.13  689.63 5890.69  687.53
 6015.17  687.84 6209.63  685.68  6356.7   684.6 6419.61  683.52 6462.92  683.52
 6595.81  684.27 6788.02  694.28 6843.67  690.88 6958.05  684.31 7279.16  663.91
 7321.48  661.85 7458.09  649.39  7717.1  621.08 7729.54  619.56 7882.14  616.17
  8004.7  615.06 8229.39  615.17 8383.82  613.77 8545.59  610.14 8710.13  608.06
 8837.58  589.77 8852.81  589.72 8932.06  587.56 9080.77  584.32 9131.42  584.32
 9168.56   585.3 9280.59  615.04 9375.72  617.56 9718.46  616.64 9858.25  607.35
 9907.59  598.2910095.69  597.7910318.74  615.0310584.15  614.3211145.47  613.24
 12438.2  613.2412650.96  604.3213197.92  604.32 13618.7   605.413671.81  606.48
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```
13931.68   605.713937.85  596.7614032.13  595.7614614.69  587.0115110.64  582.16
15130.27  579.5515199.38  574.1415217.21  571.6715245.27  568.0815605.73  568.08
15645.81  573.7715684.24  582.1615775.19  609.8115794.68  612.6316039.17  646.06
16490.48  651.2416936.89   655.5 19102.5   654.619220.67   654.619456.05  654.76
19814.94  646.0820826.54  646.76 21090.5  647.8422809.02  648.9223201.17  649.43
23635.14  652.9124302.23  659.5424531.93  661.0825674.84  661.0826326.38  652.16
26607.21  652.1627195.88  651.0827439.64  650.4527615.57  651.4227759.14   651.5
27911.56  652.7428213.07  656.25   28543  659.1929669.11  686.8630350.31  687.42
31342.94  750.6631489.27  750.7832122.02  697.7732157.62   697.8 33791.9  770.49
34861.84  763.8635064.33  763.21 35425.2  782.4235467.71  782.5835782.11  774.85
36122.22  785.0636284.36  785.6837078.46     790 37792.1  790.7238151.98     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515110.64     .1515684.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15110.6415684.24                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.07    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.00    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1484372.00   108600.50   1646609.00
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            1484372.00   108600.50   1646609.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3189854.00   340440.80   3199706.00
  Top Width (ft)          32291.83    Top Width (ft)          13846.34     573.60   17871.89
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.15       3.13       1.94
  Max Chl Dpth (ft)         191.92    Hydr. Depth (ft)          107.20     189.33      92.13
  Conv. Total (cfs)       699527200.0    Conv. (cfs)            331558600.0   35385970.0   332582600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13863.48     575.69   17884.74
  Min Ch El (ft)            568.08    Shear (lb/sq ft)            0.62       1.09       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.33       3.42       1.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    171287.40   26029.83   201754.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1581.01     128.32    1950.20


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276568.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  174.08  794.07  566.36  780.99  1193.2  762.48 1350.93     757
 1602.84  749.31 1750.57  748.91  2059.5  748.91  2354.4  748.61 3146.46  714.82
  3209.8   711.7  3290.3  711.09 3300.27  711.06 3478.14  719.41 3636.81  718.91
 3762.93  718.38 3898.34  715.05 4229.33  707.17 4632.72  698.38 4932.93  697.99
 5062.12  696.62 5202.69  694.22 5263.17  692.57 5583.53   689.6 5892.17  687.51
 6016.68  687.82 6211.19  685.64  6358.3  684.55 6421.22  683.46 6464.54  683.46
 6597.47  684.22 6789.72  694.23 6845.38  690.83  6959.8  684.28 7280.98  663.92
 7323.32  661.86 7459.96  649.45 7719.04  621.17 7731.49  619.65 7884.12  616.24
 8006.71  615.13 8231.46  615.27 8385.92  613.86 8547.74  610.22 8712.31  608.14
  8839.8  589.86 8855.03  589.81  8934.3  587.63 9083.05  584.36 9133.72  584.36
 9170.86  585.35 9282.92  615.08 9378.08  617.63  9720.9   616.7 9860.73  607.41
 9910.08  598.3710098.22  597.8610321.33  615.0810586.81  614.3611148.27  613.27
12441.32  613.2712654.14  604.3613201.23  604.3613622.12  605.4513675.24  606.54
13935.18  605.7513941.35  596.8314035.65  595.8214618.36  587.0415114.44  582.18
 15134.2  579.56 15203.8  574.1615221.75  571.6815250.01  568.0815610.71  568.08
15650.96  573.7615689.55  582.18 15780.5  609.8115799.99  612.6316044.45  646.02
16495.71  651.2116942.08  655.4519107.45  654.5519225.61  654.5519460.96  654.71
19819.82  646.0420831.31  646.7321095.24  647.8222813.58  648.9123205.69  649.43
23639.62  652.9124306.63  659.5524536.31  661.09 25679.1  661.0926330.57  652.18
26611.37  652.1827199.97  651.0927443.71  650.4627619.62  651.4227763.18  651.49
27915.58  652.7228217.06  656.2528546.96  659.1829672.94  686.8330354.07  687.39
 31346.6  750.5831492.91   750.7 32125.6  697.7532161.19  697.78 33795.3   770.4
34865.12  763.79 35067.6  763.1535428.43  782.3535470.93  782.51 35785.3  774.81
36125.37  785.0236287.49  785.6437081.51     79037795.07  790.7238154.91     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515114.44     .1515689.55     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15114.4415689.55                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.07    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.00    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1484458.00   108879.20   1646852.00
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            1484458.00   108879.20   1646852.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3188939.00   341230.50   3199831.00
  Top Width (ft)          32296.85    Top Width (ft)          13849.95     575.11   17871.79
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.15       3.13       1.94
  Max Chl Dpth (ft)         191.92    Hydr. Depth (ft)          107.18     189.32      92.15
  Conv. Total (cfs)       699675100.0    Conv. (cfs)            331533600.0   35475560.0   332666000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13867.05     577.20   17884.63
  Min Ch El (ft)            568.08    Shear (lb/sq ft)            0.62       1.09       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.33       3.41       1.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    171117.00   26017.35   201565.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1579.42     128.26    1948.15


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276566.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  174.12  794.07   566.5  780.98  1193.5  762.47 1351.27  756.99
 1603.25  749.31 1751.01   748.9 2060.02   748.9 2354.99   748.6 3147.25  714.84
 3210.61  711.72 3291.12   711.1  3301.1  711.07 3479.01   719.4 3637.73   718.9
 3763.87  718.37 3899.32  715.03 4230.39  707.16 4633.89  698.37 4934.17  697.97
 5063.39   696.6 5203.99   694.2 5264.49  692.54 5584.93  689.56 5893.65  687.48
```

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 6018.19   687.8 6212.75   685.6 6359.89   684.5 6422.84   683.4 6466.16   683.4
 6599.12  684.17 6791.43  694.18  6847.1  690.79 6961.55  684.25 7282.81  663.92
 7325.16  661.88 7461.84   649.5 7720.97  621.26 7733.43  619.73  7886.1  616.31
 8008.72   615.2 8233.53  615.36 8388.03  613.96 8549.88  610.29  8714.5  608.21
 8842.02  589.95 8857.25   589.9 8936.55   587.7 9085.33   584.4 9136.01   584.4
 9173.16   585.4 9285.25  615.13 9380.43   617.7 9723.34  616.76  9863.2  607.48
 9912.57  598.4510100.76  597.9310323.92  615.1210589.46   614.411151.06   613.3
12444.44   613.312657.31   604.413204.54   604.413625.54   605.513678.67   606.6
13938.68  605.8113944.85  596.8914039.17  595.8814622.03  587.0615118.23   582.2
15138.13  579.5715208.21  574.1815226.29  571.6915254.74  568.0815615.69  568.08
15656.11  573.7615694.87   582.215785.81  609.8115805.29  612.6316049.73  645.99
16500.95  651.1716947.26  655.41 19112.4   654.519230.56   654.519465.88  654.66
 19824.7  646.0120836.08   646.721099.99   647.822818.14   648.923210.21  649.42
23644.09   652.924311.04  659.5624540.69   661.125683.36   661.126334.76   652.2
26615.53   652.227204.07   651.127447.78  650.4627623.67  651.4227767.22  651.48
 27919.6  652.7128221.05  656.2428550.91  659.1729676.78   686.830357.83  687.37
31350.26  750.4931496.55  750.6132129.17  697.7332164.76  697.76 33798.7  770.31
 34868.4  763.7235070.86  763.0835431.65  782.2835474.15  782.4435788.49  774.76
36128.52  784.9736290.62   785.637084.56     79037798.05  790.7338157.85     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515118.23     .1515694.87     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15118.2315694.87                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.07    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.00    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1484543.00   109161.30   1647089.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1484543.00   109161.30   1647089.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3188017.00   342032.10   3199951.00
  Top Width (ft)          32302.02    Top Width (ft)          13853.69     576.64   17871.69
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.15       3.13       1.94
  Max Chl Dpth (ft)         191.92    Hydr. Depth (ft)          107.16     189.31      92.16
  Conv. Total (cfs)       699819300.0    Conv. (cfs)            331506000.0   35566220.0   332747100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13870.78     578.72   17884.50
  Min Ch El (ft)            568.08    Shear (lb/sq ft)            0.62       1.09       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.33       3.41       1.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    170946.70   26004.83   201376.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1577.83     128.19    1946.10


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276563.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  174.16  794.06  566.65  780.96  1193.8  762.47 1351.61  756.99
 1603.65   749.3 1751.45  748.89 2060.53  748.89 2355.58  748.59 3148.04  714.85
 3211.41  711.73 3291.95  711.11 3301.93  711.08 3479.89   719.4 3638.64  718.89
 3764.82  718.35 3900.29  715.01 4231.45  707.14 4635.05  698.35 4935.41  697.95
 5064.66  696.58  5205.3  694.17 5265.81   692.5 5586.33  689.53 5895.13  687.46
  6019.7  687.78 6214.31  685.56 6361.49  684.45 6424.45  683.34 6467.78  683.34
 6600.78  684.11 6793.13  694.13 6848.82  690.74 6963.29  684.23 7284.64  663.93
    7327   661.9 7463.71  649.56 7722.91  621.35 7735.37  619.82 7888.08  616.39
 8010.73  615.28 8235.59  615.46 8390.13  614.06 8552.03  610.37 8716.69  608.29
 8844.24  590.04 8859.47  589.99 8938.79  587.77 9087.61  584.44  9138.3  584.44
 9175.46  585.45 9287.58  615.18 9382.78  617.77 9725.78  616.83 9865.68  607.55
 9915.05  598.5210103.29  598.0110326.51  615.1710592.12  614.4411153.86  613.33
12447.56  613.3312660.49  604.4413207.85  604.4413628.95  605.55 13682.1  606.66
13942.17  605.8613948.35  596.95 14042.7  595.95 14625.7  587.0915122.02  582.22
15142.06  579.5815212.62   574.215230.83   571.715259.47  568.0815620.67  568.08
15661.27  573.7615700.19  582.2215791.12   609.8 15810.6  612.6216055.01  645.95
16506.18  651.1416952.45  655.3719117.36  654.45 19235.5  654.45 19470.8  654.61
19829.58  645.9720840.85  646.6721104.73  647.78 22822.7  648.8923214.73  649.42
23648.56   652.924315.44  659.5824545.07  661.1125687.62  661.1126338.95  652.22
26619.68  652.2227208.17  651.1127451.85  650.4727627.72  651.4227771.25  651.46
27923.62  652.6928225.04  656.2328554.86  659.1729680.61  686.78 30361.6  687.34
31353.91   750.431500.19  750.5232132.75  697.7132168.33  697.7433802.09  770.23
34871.69  763.6435074.12  763.0235434.88  782.2135477.38  782.3735791.67  774.71
36131.67  784.9336293.76  785.5637087.61     79037801.02  790.7438160.79     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515122.02     .1515700.19     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15122.0215700.19                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.07    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.00    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1484612.00   109443.70   1647306.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1484612.00   109443.70   1647306.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3187104.00   342836.70   3200060.00
  Top Width (ft)          32306.71    Top Width (ft)          13857.15     578.17   17871.39
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.15       3.13       1.94
  Max Chl Dpth (ft)         191.92    Hydr. Depth (ft)          107.14     189.29      92.18
  Conv. Total (cfs)       699958100.0    Conv. (cfs)            331476800.0   35656960.0   332824300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13874.21     580.25   17884.18
  Min Ch El (ft)            568.08    Shear (lb/sq ft)            0.62       1.09       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.33       3.41       1.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    170776.30   25992.29   201187.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1576.24     128.12    1944.05


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276560.*

INPUT
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Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  174.21  794.06  566.79  780.95  1194.1  762.47 1351.95  756.98
 1604.05  749.29 1751.89  748.88 2061.05  748.88 2356.17  748.58 3148.83  714.87
 3212.22  711.75 3292.77  711.12 3302.76  711.09 3480.76  719.39 3639.55  718.88
 3765.76  718.34 3901.27     715 4232.51  707.12 4636.21  698.34 4936.65  697.93
 5065.93  696.56  5206.6  694.14 5267.13  692.46 5587.73   689.5 5896.61  687.44
 6021.21  687.76 6215.86  685.52 6363.08   684.4 6426.06  683.28 6469.41  683.28
 6602.43  684.06 6794.84  694.07 6850.54  690.69 6965.04   684.2 7286.47  663.94
 7328.83  661.91 7465.58  649.62 7724.85  621.43 7737.31  619.91 7890.06  616.46
 8012.74  615.35 8237.66  615.55 8392.24  614.15 8554.17  610.45 8718.87  608.36
 8846.46  590.14  8861.7  590.08 8941.03  587.84 9089.88  584.48 9140.59  584.48
 9177.76   585.5 9289.91  615.22 9385.14  617.84 9728.22  616.89 9868.15  607.62
 9917.54   598.610105.83  598.08 10329.1  615.2210594.78  614.4811156.66  613.36
12450.68  613.3612663.67  604.4813211.17  604.4813632.37   605.613685.54  606.72
13945.67  605.9113951.84  597.0114046.22  596.0114629.37  587.1215125.82  582.24
15145.99  579.5915217.04  574.2115235.36  571.7115264.21  568.0815625.65  568.08
15666.42  573.75 15705.5  582.2415796.42   609.8 15815.9  612.6216060.29  645.91
16511.41   651.116957.63  655.3319122.31   654.419240.44   654.419475.72  654.56
19834.46  645.9320845.62  646.6421109.47  647.7622827.26  648.8823219.25  649.41
23653.04   652.924319.84  659.5924549.45  661.1225691.88  661.1226343.14  652.24
26623.84  652.2427212.26  651.1227455.92  650.4727631.77  651.4227775.29  651.45
27927.64  652.6828229.03  656.2228558.82  659.1629684.45  686.7530365.36  687.32
31357.57  750.3231503.83  750.4432136.32  697.69 32171.9  697.7233805.49  770.14
34874.97  763.5735077.38  762.96 35438.1  782.1435480.59  782.3135794.86  774.66
36134.82  784.8836296.89  785.5237090.66     79037803.99  790.7438163.72     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515125.82     .15 15705.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15125.82 15705.5                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.07    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.00    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1484693.00   109722.70   1647539.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1484693.00   109722.70   1647539.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3186197.00   343630.00   3200174.00
  Top Width (ft)          32311.73    Top Width (ft)          13860.75     579.68   17871.30
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.15       3.13       1.94
  Max Chl Dpth (ft)         191.92    Hydr. Depth (ft)          107.11     189.28      92.19
  Conv. Total (cfs)       700101400.0    Conv. (cfs)            331450300.0   35746780.0   332904300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13877.78     581.76   17884.07
  Min Ch El (ft)            568.08    Shear (lb/sq ft)            0.62       1.09       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.32       3.41       1.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    170605.80   25979.71   200998.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1574.65     128.06    1942.00


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276557.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  174.25  794.05  566.93  780.94  1194.4  762.46 1352.29  756.97
 1604.45  749.29 1752.33  748.87 2061.57  748.87 2356.77  748.56 3149.62  714.89
 3213.02  711.76  3293.6  711.13 3303.59   711.1 3481.63  719.39 3640.47  718.87
 3766.71  718.33 3902.25  714.98 4233.57   707.1 4637.37  698.32 4937.89  697.92
  5067.2  696.55 5207.91  694.12 5268.45  692.43 5589.14  689.46 5898.09  687.42
 6022.72  687.74 6217.42  685.48 6364.68  684.35 6427.67  683.22 6471.03  683.22
 6604.09  684.01 6796.54  694.02 6852.26  690.65 6966.79  684.17 7288.29  663.95
 7330.67  661.93 7467.45  649.67 7726.78  621.52 7739.25     620 7892.04  616.53
 8014.75  615.42 8239.72  615.65 8394.34  614.25 8556.32  610.53 8721.06  608.43
 8848.68  590.23 8863.92  590.17 8943.27  587.91 9092.16  584.52 9142.88  584.52
 9180.06  585.55 9292.24  615.27 9387.49  617.91 9730.66  616.95 9870.63  607.69
 9920.03  598.6810108.36  598.1510331.69  615.2610597.43  614.5211159.46  613.39
12453.81  613.3912666.84  604.5213214.48  604.5213635.79  605.6513688.97  606.78
13949.17  605.9713955.34  597.0814049.74  596.0714633.03  587.1415129.61  582.26
15149.92   579.615221.45  574.23 15239.9  571.7115268.94  568.0815630.63  568.08
15671.57  573.7515710.82  582.2615801.73   609.815821.21  612.6216065.57  645.88
16516.64  651.0716962.81  655.2919127.27  654.3519245.38  654.3519480.63  654.52
19839.33   645.920850.39  646.6121114.22  647.7422831.82  648.8723223.77  649.41
23657.51  652.8924324.24   659.624553.82  661.1325696.13  661.1326347.33  652.26
   26628  652.2627216.36  651.1327459.99  650.4727635.83  651.4127779.33  651.44
27931.66  652.6628233.02  656.2228562.77  659.1529688.28  686.7230369.12   687.3
31361.23  750.2331507.47  750.3532139.89  697.6732175.47   697.733808.89  770.05
34878.25   763.535080.64  762.8935441.32  782.0735483.81  782.2435798.05  774.62
36137.97  784.8436300.03  785.48 37093.7     79037806.96  790.7538166.66     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515129.61     .1515710.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15129.6115710.82                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.07    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.00    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1484778.00   110005.10   1647766.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1484778.00   110005.10   1647766.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3185290.00   344433.20   3200277.00
  Top Width (ft)          32316.91    Top Width (ft)          13864.50     581.21   17871.20
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.15       3.13       1.94
  Max Chl Dpth (ft)         191.92    Hydr. Depth (ft)          107.09     189.27      92.20
  Conv. Total (cfs)       700241700.0    Conv. (cfs)            331422400.0   35837520.0   332981800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13881.50     583.28   17883.96
  Min Ch El (ft)            568.08    Shear (lb/sq ft)            0.62       1.09       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.32       3.41       1.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    170435.40   25967.10   200809.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1573.06     127.99    1939.95
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CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276554.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   174.3  794.05  567.07  780.93  1194.7  762.46 1352.63  756.96
 1604.85  749.28 1752.77  748.86 2062.08  748.86 2357.36  748.55 3150.41   714.9
 3213.83  711.78 3294.42  711.14 3304.42  711.11  3482.5  719.38 3641.38  718.86
 3767.65  718.31 3903.23  714.96 4234.64  707.08 4638.54  698.31 4939.12   697.9
 5068.47  696.53 5209.22  694.09 5269.77  692.39 5590.54  689.43 5899.57  687.39
 6024.23  687.72 6218.98  685.44 6366.27   684.3 6429.28  683.16 6472.65  683.16
 6605.74  683.96 6798.24  693.97 6853.97   690.6 6968.53  684.14 7290.12  663.95
 7332.51  661.95 7469.32  649.73 7728.72  621.61 7741.19  620.09 7894.02   616.6
 8016.76  615.49 8241.79  615.74 8396.44  614.35 8558.46  610.61 8723.25  608.51
 8850.89  590.32 8866.14  590.26 8945.51  587.98 9094.44  584.56 9145.18  584.56
 9182.37   585.6 9294.57  615.32 9389.84  617.98  9733.1  617.01  9873.1  607.75
 9922.51  598.75 10110.9  598.2210334.28  615.3110600.09  614.5611162.25  613.42
12456.93  613.4212670.02  604.5613217.79  604.5613639.21   605.7 13692.4  606.84
13952.67  606.0213958.84  597.1414053.26  596.13 14636.7  587.17 15133.4  582.28
15153.85  579.6215225.86  574.2515244.44  571.7215273.68  568.0715635.61  568.07
15676.72  573.7415716.14  582.2815807.04   609.815826.51  612.6216070.85  645.84
16521.87  651.03   16968  655.2519132.22   654.319250.32   654.319485.55  654.47
19844.21  645.8620855.17  646.5821118.96  647.7222836.39  648.8623228.29   649.4
23661.99  652.8924328.65  659.61 24558.2  661.1425700.39  661.1426351.52  652.28
26632.16  652.2827220.46  651.1427464.06  650.4827639.88  651.4127783.37  651.43
27935.68  652.65   28237  656.2128566.72  659.1429692.12  686.6930372.88  687.27
31364.88  750.1431511.12  750.2732143.47  697.6532179.04  697.6833812.29  769.96
34881.54  763.4335083.91  762.8335444.55     78235487.03  782.1735801.23  774.57
36141.12  784.7936303.16  785.4437096.75     79037809.94  790.7638169.59     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 15133.4     .1515716.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       15133.415716.14                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.07    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.00    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1484864.00   110290.80   1648009.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1484864.00   110290.80   1648009.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3184366.00   345247.90   3200386.00
  Top Width (ft)          32321.94    Top Width (ft)          13868.09     582.74   17871.11
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.14       3.13       1.94
  Max Chl Dpth (ft)         191.93    Hydr. Depth (ft)          107.07     189.26      92.22
  Conv. Total (cfs)       700393100.0    Conv. (cfs)            331397900.0   35930050.0   333065100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13885.07     584.81   17883.84
  Min Ch El (ft)            568.07    Shear (lb/sq ft)            0.62       1.09       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.32       3.40       1.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    170265.00   25954.45   200619.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1571.47     127.92    1937.89


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276551.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  174.34  794.04  567.22  780.91    1195  762.46 1352.97  756.95
 1605.26  749.28 1753.21  748.85  2062.6  748.85 2357.95  748.54  3151.2  714.92
 3214.63  711.79 3295.25  711.15 3305.24  711.12 3483.38  719.38 3642.29  718.85
  3768.6   718.3 3904.21  714.94  4235.7  707.06  4639.7  698.29 4940.36  697.88
 5069.74  696.51 5210.52  694.06 5271.09  692.35 5591.94   689.4 5901.04  687.37
 6025.74   687.7 6220.54   685.4 6367.87  684.25 6430.89   683.1 6474.27   683.1
  6607.4   683.9 6799.95  693.91 6855.69  690.56 6970.28  684.12 7291.95  663.96
 7334.35  661.97  7471.2  649.79 7730.66   621.7 7743.13  620.18 7895.99  616.67
 8018.77  615.57 8243.85  615.84 8398.55  614.45 8560.61  610.68 8725.43  608.58
 8853.11  590.41 8868.36  590.35 8947.76  588.05 9096.72   584.6 9147.47   584.6
 9184.67  585.65  9296.9  615.36  9392.2  618.05 9735.54  617.07 9875.58  607.82
    9925  598.8310113.43  598.2910336.87  615.3610602.75   614.611165.05  613.45
12460.05  613.4512673.19   604.6 13221.1   604.613642.63  605.7513695.83   606.9
13956.16  606.0713962.34   597.214056.79  596.1914640.37  587.19 15137.2   582.3
15157.78  579.6315230.28  574.2715248.98  571.7315278.41  568.0715640.58  568.07
15681.87  573.7415721.46   582.315812.35   609.815831.82  612.6116076.13   645.8
 16527.1     65116973.18   655.219137.18  654.2519255.27  654.2519490.47  654.42
19849.09  645.8320859.94  646.5521123.71   647.722840.95  648.8523232.81   649.4
23666.46  652.8924333.05  659.6224562.58  661.1525704.65  661.1526355.71   652.3
26636.32   652.327224.55  651.1527468.13  650.4827643.93  651.41 27787.4  651.41
 27939.7  652.6428240.99   656.228570.68  659.1429695.95  686.6630376.64  687.25
31368.54  750.0631514.76  750.1832147.04  697.6332182.61  697.6633815.68  769.87
34884.82  763.3635087.17  762.7735447.77  781.9335490.25   782.135804.42  774.52
36144.27  784.7436306.29   785.4 37099.8     79037812.91  790.7638172.52     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 15137.2     .1515721.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       15137.215721.46                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.07    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.00    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1484946.00   110571.00   1648237.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1484946.00   110571.00   1648237.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3183467.00   346042.40   3200490.00
  Top Width (ft)          32326.96    Top Width (ft)          13871.68     584.26   17871.01
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)            2.14       3.13       1.94
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  Max Chl Dpth (ft)          191.93    Hydr. Depth (ft)          107.05     189.25      92.23
  Conv. Total (cfs)        700535400.0    Conv. (cfs)            331371700.0   36020050.0   333143600.0
  Length Wtd. (ft)             5.00    Wetted Per. (ft)        13888.63     586.33   17883.72
  Min Ch El (ft)             568.07    Shear (lb/sq ft)            0.62       1.09       0.53
  Alpha                        1.04    Stream Power (lb/ft s)      1.32       3.40       1.03
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    170094.50   25941.78   200430.70
  C & E Loss (ft)              0.00    Cum SA (acres)           1569.88     127.86    1935.84


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276548.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  174.38  794.04  567.36   780.9  1195.3  762.46 1353.31  756.95
 1605.66  749.27 1753.65  748.84 2063.12  748.84 2358.54  748.53 3151.98  714.94
 3215.44  711.81 3296.08  711.16 3306.07  711.13 3484.25  719.37  3643.2  718.84
 3769.54  718.28 3905.19  714.93 4236.76  707.04 4640.86  698.28  4941.6  697.86
 5071.01  696.49 5211.83  694.03 5272.41  692.32 5593.34  689.36 5902.52  687.35
 6027.25  687.68  6222.1  685.36 6369.46   684.2  6432.5  683.04  6475.9  683.04
 6609.06  683.85 6801.65  693.86 6857.41  690.51 6972.03  684.09 7293.77  663.97
 7336.19  661.98 7473.07  649.84  7732.6  621.79 7745.07  620.27 7897.97  616.74
 8020.78  615.64 8245.92  615.93 8400.65  614.54 8562.75  610.76 8727.62  608.66
 8855.33   590.5 8870.58  590.44    8950  588.12    9099  584.64 9149.76  584.64
 9186.97   585.7 9299.23  615.41 9394.55  618.12 9737.98  617.13 9878.05  607.89
 9927.49  598.9110115.96  598.3710339.46   615.4 10605.4  614.6411167.85  613.48
12463.17  613.4812676.37  604.6413224.42  604.6413646.05   605.813699.26  606.96
13959.66  606.1213965.84  597.2614060.31  596.2514644.04  587.2215140.99  582.32
15161.71  579.6415234.69  574.2815253.52  571.7415283.14  568.0715645.56  568.07
15687.02  573.7315726.77  582.3215817.65   609.815837.12  612.6116081.41  645.77
16532.33  650.9616978.37  655.1619142.13   654.219260.21   654.219495.38  654.37
19853.97  645.7920864.71  646.5221128.45  647.6822845.51  648.8423237.33  649.39
23670.94  652.8824337.46  659.6324566.96  661.1625708.91  661.1626359.89  652.32
26640.48  652.3227228.65  651.16 27472.2  650.4927647.98  651.4127791.44   651.4
27943.72  652.6228244.98   656.228574.63  659.1329699.78  686.6330380.41  687.22
 31372.2  749.97 31518.4   750.132150.62  697.6132186.18  697.6433819.08  769.79
34888.11  763.2935090.43  762.71   35451  781.8635493.47  782.0335807.61  774.47
36147.42   784.736309.43  785.3637102.85     79037815.89  790.7738175.46     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515140.99    .1515726.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15140.9915726.77                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             760.07    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             760.00    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                       Flow Area (sq ft)        1485024.00   110851.90   1648478.00
  E.G. Slope (ft/ft)       0.000092    Area (sq ft)             1485024.00   110851.90   1648478.00
  Q Total (cfs)            6730000.00    Flow (cfs)              3182543.00   346836.70   3200621.00
  Top Width (ft)           32331.67    Top Width (ft)           13875.14     585.78   17870.74
  Vel Total (ft/s)             2.07    Avg. Vel. (ft/s)            2.14       3.13       1.94
  Max Chl Dpth (ft)          191.93    Hydr. Depth (ft)          107.03     189.24      92.24
  Conv. Total (cfs)        700684800.0    Conv. (cfs)            331346100.0   36110430.0   333228300.0
  Length Wtd. (ft)             5.00    Wetted Per. (ft)        13892.06     587.85   17883.43
  Min Ch El (ft)             568.07    Shear (lb/sq ft)            0.62       1.09       0.53
  Alpha                        1.04    Stream Power (lb/ft s)      1.32       3.40       1.03
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    169924.10   25929.07   200241.50
  C & E Loss (ft)              0.00    Cum SA (acres)           1568.29     127.79    1933.79


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276545.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  174.43  794.04   567.5  780.89  1195.6  762.45 1353.65  756.94
 1606.06  749.26 1754.09  748.83 2063.63  748.83 2359.13  748.51 3152.77  714.96
 3216.24  711.82  3296.9  711.17  3306.9  711.14 3485.12  719.37 3644.12  718.83
 3770.48  718.27 3906.16  714.91 4237.82  707.02 4642.02  698.26 4942.84  697.84
 5072.28  696.47 5213.13  694.01 5273.73  692.28 5594.74  689.33    5904  687.32
 6028.76  687.66 6223.66  685.32 6371.06  684.15 6434.12  682.98 6477.52  682.98
 6610.71   683.8 6803.36  693.81 6859.13  690.47 6973.77  684.06  7295.6  663.97
 7338.02     662 7474.94   649.9 7734.53  621.88 7747.01  620.35 7899.95  616.82
 8022.79  615.71 8247.99  616.03 8402.76  614.64  8564.9  610.84 8729.81  608.73
 8857.55  590.59 8872.81  590.53 8952.24  588.19 9101.28  584.68 9152.05  584.68
 9189.27  585.75 9301.56  615.46 9396.91  618.19 9740.42  617.19 9880.52  607.96
 9929.97  598.99 10118.5  598.4410342.05  615.4510608.06  614.6811170.65  613.51
12466.29  613.5112679.54  604.6813227.73  604.6813649.47  605.8513702.69  607.02
13963.16  606.1813969.34  597.3314063.83  596.3114647.71  587.2415144.78  582.34
15165.64  579.65 15239.1   574.315258.05  571.7515287.88  568.0715650.54  568.07
15692.17  573.7315732.09  582.3415822.96  609.7915842.43  612.6116086.69  645.73
16537.57  650.9316983.55  655.1219147.09  654.1519265.15  654.15 19500.3  654.32
19858.85  645.7520869.48  646.4921133.19  647.6622850.07  648.8323241.85  649.39
23675.41  652.8824341.86  659.6524571.34  661.1725713.16  661.1726364.08  652.34
26644.64  652.3427232.75  651.1727476.27  650.4927652.03  651.4127795.48  651.39
27947.74  652.6128248.97  656.1928578.59  659.1229703.62   686.630384.17   687.2
31375.86  749.8831522.04  750.0132154.19  697.5932189.75  697.6233822.48   769.7
34891.39  763.22 35093.7  762.6435454.22  781.7935496.69  781.9635810.79  774.42
36150.57  784.6536312.56  785.32 37105.9     79037818.86  790.7838178.39     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515144.78    .1515732.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15144.7815732.09                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
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```
  E.G. Elev (ft)            760.07    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.00    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1485111.00   111133.90   1648708.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1485111.00   111133.90   1648708.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3181639.00   347635.80   3200725.00
  Top Width (ft)          32336.86    Top Width (ft)          13878.89     587.31   17870.66
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)           2.14       3.13       1.94
  Max Chl Dpth (ft)         191.93    Hydr. Depth (ft)         107.01     189.23      92.26
  Conv. Total (cfs)       700827400.0    Conv. (cfs)            331319400.0   36200990.0   333307000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13895.79     589.37   17883.33
  Min Ch El (ft)            568.07    Shear (lb/sq ft)           0.62       1.09       0.53
  Alpha                       1.04    Stream Power (lb/ft s)     1.32       3.40       1.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   169753.60   25916.33   200052.30
  C & E Loss (ft)             0.00    Cum SA (acres)          1566.69     127.72    1931.74


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276542.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  174.47  794.03  567.64  780.88  1195.9  762.45 1353.98  756.93
 1606.46  749.26 1754.53  748.82 2064.15  748.82 2359.72   748.5 3153.56  714.97
 3217.05  711.84 3297.73  711.18 3307.73  711.15    3486  719.36 3645.03  718.82
 3771.43  718.25 3907.14  714.89 4238.88     707 4643.19  698.25 4944.08  697.82
 5073.55  696.45 5214.44  693.98 5275.05  692.24 5596.14   689.3 5905.48   687.3
 6030.27  687.64 6225.22  685.28 6372.66   684.1 6435.73  682.92 6479.14  682.92
 6612.37  683.74 6805.06  693.76 6860.84  690.42 6975.52  684.04 7297.43  663.98
 7339.86  662.02 7476.81  649.96 7736.47  621.97 7748.95  620.44 7901.93  616.89
  8024.8  615.79 8250.05  616.12 8404.86  614.74 8567.04  610.92 8731.99  608.81
 8859.77  590.68 8875.03  590.62 8954.48  588.26 9103.56  584.72 9154.35  584.72
 9191.57   585.8 9303.89   615.5 9399.26  618.26 9742.86  617.26    9883  608.03
 9932.46  599.0610121.03  598.5110344.64   615.510610.72  614.7211173.45  613.54
12469.42  613.5412682.72  604.7213231.04  604.7213652.88   605.913706.13  607.08
13966.65  606.2313972.84  597.3914067.35  596.3714651.38  587.2715148.57  582.36
15169.57  579.6615243.52  574.3215262.59  571.7615292.61  568.0715655.52  568.07
15697.33  573.7315737.41  582.3615828.27  609.7915847.73   612.616091.97  645.69
 16542.8  650.8916988.73  655.0819152.04   654.119270.09   654.119505.22  654.27
19863.73  645.7220874.25  646.4621137.94  647.6422854.63  648.8223246.37  649.38
23679.88  652.8824346.26  659.6624575.72  661.1825717.42  661.1826368.27  652.36
 26648.8  652.3627236.84  651.1827480.34  650.4927656.09  651.4127799.51  651.37
27951.76  652.5928252.96  656.1828582.54  659.1129707.45  686.5730387.93  687.18
31379.51   749.831525.68  749.9332157.77  697.5732193.32   697.633825.88  769.61
34894.68  763.1435096.96  762.5835457.44  781.7235499.91  781.8935813.98  774.38
36153.72  784.6136315.69  785.2837108.95     79037821.83  790.7838181.33     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515148.57     .1515737.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15148.5715737.41                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.07    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.00    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1485187.00   111415.90   1648937.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1485187.00   111415.90   1648937.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3180726.00   348435.30   3200839.00
  Top Width (ft)          32341.90    Top Width (ft)          13882.48     588.84   17870.58
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)           2.14       3.13       1.94
  Max Chl Dpth (ft)         191.93    Hydr. Depth (ft)         106.98     189.21      92.27
  Conv. Total (cfs)       700967900.0    Conv. (cfs)            331290700.0   36291530.0   333385600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13899.35     590.90   17883.22
  Min Ch El (ft)            568.07    Shear (lb/sq ft)           0.61       1.09       0.53
  Alpha                       1.04    Stream Power (lb/ft s)     1.32       3.39       1.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   169583.10   25903.56   199863.00
  C & E Loss (ft)             0.00    Cum SA (acres)          1565.10     127.65    1929.69


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276539.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  174.51  794.03  567.78  780.86  1196.2  762.45 1354.32  756.92
 1606.87  749.25 1754.97  748.81 2064.67  748.81 2360.31  748.49 3154.35  714.99
 3217.86  711.86 3298.55  711.19 3308.56  711.16 3486.87  719.35 3645.94  718.81
 3772.37  718.24 3908.12  714.88 4239.94  706.98 4644.35  698.23 4945.31   697.8
 5074.82  696.43 5215.74  693.95 5276.37  692.21 5597.54  689.26 5906.96  687.28
 6031.78  687.62 6226.78  685.24 6374.25  684.05 6437.34  682.86 6480.76  682.86
 6614.02  683.69 6806.76   693.7 6862.56  690.37 6977.27  684.01 7299.26  663.99
  7341.7  662.03 7478.69  650.01 7738.41  622.05 7750.89  620.53 7903.91  616.96
 8026.81  615.86 8252.12  616.22 8406.97  614.83 8569.19     611 8734.18  608.88
 8861.99  590.77 8877.25  590.71 8956.72  588.33 9105.84  584.76 9156.64  584.76
 9193.87  585.85 9306.22  615.55 9401.61  618.33  9745.3  617.32 9885.47  608.09
 9934.95  599.1410123.57  598.5810347.23  615.5410613.38  614.7611176.24  613.57
12472.54  613.5712685.89  604.7613234.36  604.76 13656.3  605.9513709.56  607.14
13970.15  606.2813976.33  597.4514070.88  596.4314655.04   587.315152.37  582.38
 15173.5  579.6715247.93  574.3415267.13  571.7715297.35  568.07 15660.5  568.07
15702.48  573.7215742.72  582.3815833.58  609.7915853.04   612.616097.25  645.66
16548.03  650.8616993.92  655.04   19157  654.0519275.04  654.0519510.14  654.22
19868.61  645.6820879.03  646.4321142.68  647.62 22859.2  648.8123250.89  649.37
23684.36  652.8724350.66  659.67 24580.1  661.1925721.68  661.1926372.46  652.38
26652.96  652.3827240.94  651.1927484.41   650.527660.14   651.427803.55  651.36
27955.79  652.5828256.95  656.1828586.49  659.1129711.29  686.5430391.69  687.15
31383.17  749.7131529.32  749.8432161.34  697.5532196.89  697.5833829.27  769.52
34897.96  763.0735100.22  762.5235460.67  781.6535503.13  781.8235817.16  774.33
36156.87  784.5636318.82  785.24   37112     790 37824.8  790.7938184.27     800

Manning's n Values        num=       3
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     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515152.37     .1515742.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15152.3715742.72                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.07    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.00    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1485274.00   111694.50   1649176.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1485274.00   111694.50   1649176.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3179828.00   349221.60   3200951.00
  Top Width (ft)          32346.93    Top Width (ft)          13886.08     590.35   17870.50
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)            2.14       3.13       1.94
  Max Chl Dpth (ft)         191.93    Hydr. Depth (ft)          106.96     189.20      92.28
  Conv. Total (cfs)       701114700.0    Conv. (cfs)            331266500.0   36381040.0   333467100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13902.92     592.41   17883.13
  Min Ch El (ft)            568.07    Shear (lb/sq ft)            0.61       1.08       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.32       3.39       1.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    169412.70   25890.75   199673.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1563.51     127.59    1927.64


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276536.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  174.56  794.02  567.93  780.85  1196.5  762.45 1354.66  756.92
 1607.27  749.24 1755.41   748.8 2065.18   748.8  2360.9  748.47 3155.14  715.01
 3218.66  711.87 3299.38   711.2 3309.39  711.17 3487.74  719.35 3646.85   718.8
 3773.32  718.22  3909.1  714.86    4241  706.96 4645.51  698.22 4946.55  697.79
 5076.09  696.41 5217.05  693.93 5277.69  692.17 5598.94  689.23 5908.44  687.26
 6033.29   687.6 6228.33   685.2 6375.85     684 6438.95   682.8 6482.38   682.8
 6615.68  683.64 6808.47  693.65 6864.28  690.33 6979.01  683.98 7301.08  663.99
 7343.54  662.05 7480.56  650.07 7740.34  622.14 7752.83  620.62 7905.89  617.03
 8028.81  615.93 8254.18  616.31 8409.07  614.93 8571.34  611.08 8736.37  608.96
  8864.2  590.86 8879.47   590.8 8958.97   588.4 9108.12   584.8 9158.93   584.8
 9196.17  585.89 9308.55   615.6 9403.97   618.4 9747.74  617.38 9887.95  608.16
 9937.43  599.22 10126.1  598.6610349.82  615.5910616.03   614.811179.04   613.6
12475.66   613.612689.07   604.813237.67   604.813659.72     60613712.99   607.2
13973.65  606.3313979.83  597.51 14074.4  596.4914658.71  587.3215156.16   582.4
15177.43  579.6915252.34  574.3615271.67  571.7815302.08  568.0715665.48  568.07
15707.63  573.7215748.04   582.415838.88  609.7915858.34   612.616102.52  645.62
16553.26  650.82 16999.1  654.9919161.95     65419279.98     65419515.05  654.18
19873.49  645.64 20883.8   646.421147.42   647.622863.76   648.823255.41  649.37
23688.83  652.8724355.07  659.6824584.48   661.225725.94   661.226376.65   652.4
26657.12   652.427245.04   651.227488.48   650.527664.19   651.427807.59  651.35
 27959.8  652.5628260.94  656.1728590.45   659.129715.12  686.5130395.46  687.13
31386.83  749.6231532.96  749.7632164.91  697.5332200.46  697.5633832.67  769.43
34901.24     76335103.48  762.4535463.89  781.5835506.35  781.7635820.35  774.28
36160.02  784.5236321.96   785.237115.05     79037827.78   790.8 38187.2     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515156.16     .1515748.04     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15156.1615748.04                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.07    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.00    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1485354.00   111975.90   1649422.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1485354.00   111975.90   1649422.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3178911.00   350013.30   3201076.00
  Top Width (ft)          32351.85    Top Width (ft)          13889.54     591.88   17870.43
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)            2.14       3.13       1.94
  Max Chl Dpth (ft)         191.93    Hydr. Depth (ft)          106.94     189.19      92.30
  Conv. Total (cfs)       701264200.0    Conv. (cfs)            331241700.0   36471290.0   333551200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13906.36     593.94   17883.04
  Min Ch El (ft)            568.07    Shear (lb/sq ft)            0.61       1.08       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.31       3.39       1.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    169242.20   25877.92   199484.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1561.91     127.52    1925.59


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276533.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   174.6  794.02  568.07  780.84  1196.8  762.44    1355  756.91
 1607.67  749.24 1755.85  748.79  2065.7  748.79 2361.49  748.46 3155.93  715.02
 3219.47  711.89  3300.2  711.21 3310.21  711.18 3488.61  719.34 3647.77  718.79
 3774.26  718.21 3910.08  714.84 4242.07  706.94 4646.67   698.2 4947.79  697.77
 5077.36   696.4 5218.35   693.9 5279.01  692.13 5600.35   689.2 5909.92  687.23
  6034.8  687.58 6229.89  685.16 6377.44  683.95 6440.56  682.74 6484.01  682.74
 6617.33  683.58 6810.17   693.6    6866  690.28 6980.76  683.95 7302.91     664
 7345.37  662.07 7482.43  650.13 7742.28  622.23 7754.77  620.71 7907.87   617.1
 8030.82     616 8256.25  616.41 8411.18  615.03 8573.48  611.15 8738.55  609.03
 8866.42  590.95  8881.7  590.89 8961.21  588.47  9110.4  584.84 9161.22  584.84
 9198.47  585.94 9310.88  615.64 9406.32  618.47 9750.18  617.44 9890.42  608.23
 9939.92  599.2910128.63  598.7310352.41  615.6410618.69  614.8411181.84  613.63
12478.78  613.6312692.25  604.8413240.98  604.8413663.14  606.0513716.42  607.26
13977.14  606.3913983.33  597.5814077.92  596.5514662.38  587.3515159.95  582.42
15181.36   579.715256.75  574.3715276.21  571.7915306.81  568.0715670.46  568.07
15712.78  573.7115753.36  582.4215844.19  609.7915863.65   612.6 16107.8  645.59
16558.49  650.7917004.29  654.95 19166.9  653.9519284.92  653.9519519.97  654.13
19878.37  645.6120888.57  646.3721152.17  647.5822868.32  648.7923259.93  649.36
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23693.31  652.8724359.47  659.6924588.86  661.21 25730.2  661.2126380.84  652.42
26661.27  652.4227249.13  651.2127492.56  650.5127668.24   651.427811.62  651.34
27963.83  652.5528264.92  656.16 28594.4  659.0929718.96  686.4830399.22   687.1
31390.48  749.5431536.61  749.6732168.49  697.5132204.03  697.5433836.07  769.35
34904.52  762.9335106.74  762.3935467.11  781.5135509.57  781.6935823.54  774.23
36163.17  784.4736325.09  785.1637118.09     79037830.75   790.838190.14     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515159.95     .1515753.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15159.9515753.36                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.07    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.00    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1485437.00   112258.60   1649643.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1485437.00   112258.60   1649643.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3178003.00   350815.60   3201182.00
  Top Width (ft)          32356.86    Top Width (ft)          13893.29     593.41   17870.16
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)            2.14       3.13       1.94
  Max Chl Dpth (ft)         191.93    Hydr. Depth (ft)          106.92     189.18      92.31
  Conv. Total (cfs)       701405100.0    Conv. (cfs)            331213500.0   36562240.0   333629300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13910.07     595.46   17882.75
  Min Ch El (ft)            568.07    Shear (lb/sq ft)            0.61       1.08       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.31       3.39       1.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    169071.70   25865.05   199295.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1560.32     127.45    1923.54


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276531.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  174.64  794.01  568.21  780.83 1197.09  762.44 1355.34   756.9
 1608.07  749.23 1756.29  748.78 2066.22  748.78 2362.08  748.45 3156.72  715.04
 3220.27   711.9 3301.03  711.22 3311.04  711.18 3489.49  719.34 3648.68  718.78
 3775.21  718.19 3911.06  714.83 4243.13  706.92 4647.84  698.19 4949.03  697.75
 5078.63  696.38 5219.66  693.87 5280.34   692.1 5601.75  689.17  5911.4  687.21
 6036.31  687.56 6231.45  685.12 6379.04   683.9 6442.17  682.68 6485.63  682.68
 6618.99  683.53 6811.88  693.54 6867.72  690.24 6982.51  683.93 7304.74  664.01
 7347.21  662.09  7484.3  650.18 7744.22  622.32 7756.71   620.8 7909.84  617.17
 8032.83  616.08 8258.31   616.5 8413.28  615.12 8575.63  611.23 8740.74  609.11
 8868.64  591.04 8883.92  590.98 8963.45  588.54 9112.68  584.88 9163.51  584.88
 9200.78  585.99 9313.21  615.69 9408.67  618.54 9752.62   617.5  9892.9   608.3
 9942.41  599.3710131.17   598.8   10355  615.6810621.34  614.8811184.64  613.66
12481.91  613.6612695.42  604.8813244.29  604.8813666.56   606.113719.85  607.32
13980.64  606.4413986.83  597.6414081.44  596.6114666.05  587.3715163.75  582.44
15185.29  579.7115261.17  574.3915280.74   571.815311.55  568.0715675.44  568.07
15717.93  573.7115758.67  582.44 15849.5  609.7815868.95  612.5916113.08  645.55
16563.72  650.7517009.47  654.9119171.86   653.919289.86   653.919524.89  654.08
19883.25  645.5720893.34  646.3421156.91  647.5622872.88  648.7823264.45  649.36
23697.78  652.8624363.88   659.724593.24  661.2225734.45  661.2226385.03  652.44
26665.43  652.4427253.23  651.2227496.63  650.5127672.29   651.427815.66  651.32
27967.85  652.5428268.91  656.1528598.36  659.0829722.79  686.4630402.98  687.08
31394.14  749.4531540.25  749.5932172.06  697.49 32207.6  697.5233839.46  769.26
34907.81  762.8635110.01  762.3335470.34  781.4435512.79  781.6235826.72  774.19
36166.32  784.4236328.22  785.1237121.14     79037833.72  790.8138193.07     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515163.75     .1515758.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15163.7515758.67                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.07    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.00    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1485518.00   112536.70   1649878.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1485518.00   112536.70   1649878.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3177098.00   351600.50   3201302.00
  Top Width (ft)          32361.90    Top Width (ft)          13896.89     594.92   17870.10
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)            2.14       3.12       1.94
  Max Chl Dpth (ft)         191.93    Hydr. Depth (ft)          106.90     189.16      92.33
  Conv. Total (cfs)       701547900.0    Conv. (cfs)            331186700.0   36651500.0   333709700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13913.65     596.97   17882.66
  Min Ch El (ft)            568.07    Shear (lb/sq ft)            0.61       1.08       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.31       3.38       1.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    168901.20   25852.14   199105.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1558.72     127.38    1921.48


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276528.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  174.69  794.01  568.35  780.82 1197.39  762.44 1355.68  756.89
 1608.48  749.22 1756.72  748.77 2066.74  748.77 2362.67  748.44 3157.51  715.06
 3221.08  711.92 3301.86  711.23 3311.87  711.19 3490.36  719.33 3649.59  718.77
 3776.15  718.18 3912.03  714.81 4244.19   706.9    4649  698.17 4950.27  697.73
  5079.9  696.36 5220.97  693.84 5281.66  692.06 5603.15  689.13 5912.87  687.19
 6037.82  687.54 6233.01  685.08 6380.63  683.85 6443.78  682.62 6487.25  682.62
 6620.64  683.48 6813.58  693.49 6869.43  690.19 6984.25   683.9 7306.56  664.01
 7349.05   662.1 7486.17  650.24 7746.16  622.41 7758.65  620.88 7911.82  617.25
 8034.84  616.15 8260.38   616.6 8415.38  615.22 8577.77  611.31 8742.92  609.18
 8870.86  591.13 8886.14  591.07 8965.69  588.61 9114.96  584.92 9165.81  584.92
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 9203.08  586.04 9315.54  615.74 9411.03  618.61 9755.06  617.56 9895.37  608.37
  9944.9  599.45 10133.7  598.8710357.59  615.73   10624  614.9211187.43  613.69
12485.03  613.69 12698.6  604.9213247.61  604.9213669.98  606.1513723.29  607.38
13984.14  606.4913990.33   597.714084.96  596.6714669.72   587.415167.54  582.46
15189.22  579.7215265.58  574.4115285.28  571.8115316.28  568.0615680.42  568.06
15723.08   573.715763.99  582.46 15854.8  609.7815874.26  612.5916118.36  645.51
16568.96  650.7217014.66  654.8719176.81  653.85 19294.8  653.85 19529.8  654.03
19888.12  645.5420898.11  646.3121161.66  647.5422877.44  648.7723268.97  649.35
23702.25  652.8624368.28  659.7224597.62  661.2325738.71  661.2326389.21  652.46
26669.59  652.4627257.32  651.23 27500.7  650.5227676.35   651.4 27819.7  651.31
27971.87  652.52 28272.9  656.1528602.31  659.0829726.62  686.4330406.74  687.06
 31397.8  749.3731543.89   749.532175.64  697.4732211.17   697.533842.86  769.17
34911.09  762.7935113.27  762.2735473.56  781.3735516.01  781.5535829.91  774.14
36169.47  784.3836331.36  785.0837124.19     790 37836.7  790.82   38196     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515167.54     .1515763.99     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15167.5415763.99                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.07    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.00    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1485600.00   112822.90   1650088.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1485600.00   112822.90   1650088.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3176221.00   352420.20   3201359.00
  Top Width (ft)          32366.95    Top Width (ft)          13900.47     596.45   17870.03
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)            2.14       3.12       1.94
  Max Chl Dpth (ft)         191.94    Hydr. Depth (ft)          106.87     189.16      92.34
  Conv. Total (cfs)       701686500.0    Conv. (cfs)            331160600.0   36744200.0   333781600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13917.21     598.50   17882.57
  Min Ch El (ft)            568.06    Shear (lb/sq ft)            0.61       1.08       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.31       3.38       1.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    168730.60   25839.21   198916.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1557.13     127.31    1919.43


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276525.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  174.73     794  568.49   780.8 1197.69  762.43 1356.02  756.88
 1608.88  749.22 1757.16  748.76 2067.25  748.76 2363.26  748.42  3158.3  715.07
 3221.88  711.93 3302.68  711.24  3312.7   711.2 3491.23  719.33  3650.5  718.76
  3777.1  718.16 3913.01  714.79 4245.25  706.89 4650.16  698.16  4951.5  697.71
 5081.17  696.34 5222.27  693.82 5282.98  692.02 5604.55   689.1 5914.35  687.16
 6039.33  687.52 6234.57  685.04 6382.23   683.8  6445.4  682.56 6488.87  682.56
  6622.3  683.43 6815.28  693.44 6871.15  690.15    6986  683.87 7308.39  664.02
 7350.89  662.12 7488.05   650.3 7748.09   622.5 7760.59  620.97  7913.8  617.32
 8036.85  616.22 8262.45  616.69 8417.49  615.32 8579.92  611.39 8745.11  609.26
 8873.08  591.22 8888.36  591.16 8967.94  588.68 9117.24  584.96  9168.1  584.96
 9205.38  586.09 9317.87  615.78 9413.38  618.68  9757.5  617.62 9897.85  608.43
 9947.38  599.5210136.24  598.9410360.18  615.7810626.66  614.9611190.23  613.72
12488.15  613.7212701.77  604.9613250.92  604.9613673.39   606.213726.72  607.44
13987.64  606.5513993.83  597.7614088.49  596.7414673.39  587.4215171.33  582.48
15193.16  579.73   15270  574.4315289.82  571.8215321.02  568.06 15685.4  568.06
15728.24   573.715769.31  582.4815860.11  609.7815879.57  612.5916123.64  645.48
16574.19  650.6817019.84  654.8319181.77   653.819299.74   653.819534.72  653.98
   19893   645.520902.88  646.28 21166.4  647.52   22882  648.7623273.49  649.35
23706.73  652.8624372.68  659.7324601.99  661.2425742.97  661.24 26393.4  652.48
26673.75  652.4827261.42  651.2427504.77  650.52 27680.4   651.427823.73   651.3
27975.89  652.5128276.89  656.1428606.26  659.0729730.46   686.4 30410.5  687.03
31401.45  749.2831547.53  749.4232179.21  697.4532214.74  697.4833846.26  769.08
34914.38  762.7135116.53   762.235476.79   781.335519.23  781.4835833.09  774.09
36172.62  784.3336334.49  785.0437127.24     79037839.67  790.8238198.94     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515171.33     .1515769.31     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15171.3315769.31                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.07    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.00    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1485681.00   113104.50   1650327.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1485681.00   113104.50   1650327.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3175297.00   353214.80   3201488.00
  Top Width (ft)          32372.17    Top Width (ft)          13904.22     597.98   17869.97
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)            2.14       3.12       1.94
  Max Chl Dpth (ft)         191.94    Hydr. Depth (ft)          106.85     189.14      92.35
  Conv. Total (cfs)       701829600.0    Conv. (cfs)            331131900.0   36834560.0   333863200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13920.94     600.03   17882.50
  Min Ch El (ft)            568.06    Shear (lb/sq ft)            0.61       1.08       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.31       3.38       1.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    168560.10   25826.24   198726.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1555.53     127.25    1917.38


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276522.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  174.78     794  568.64  780.79 1197.99  762.43 1356.36  756.88
 1609.28  749.21  1757.6  748.75 2067.77  748.75 2363.86  748.41 3159.09  715.09
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 3222.69  711.95 3303.51  711.25 3313.53  711.21 3492.11  719.32 3651.42  718.75
 3778.04  718.15 3913.99  714.78 4246.31  706.87 4651.32  698.14 4952.74  697.69
 5082.44  696.32 5223.58  693.79  5284.3  691.99 5605.95  689.07 5915.83  687.14
 6040.84   687.5 6236.13     685 6383.83  683.75 6447.01   682.5  6490.5   682.5
 6623.96  683.37 6816.99  693.38 6872.87   690.1 6987.75  683.84 7310.22  664.03
 7352.73  662.14 7489.92  650.35 7750.03  622.58 7762.53  621.06 7915.78  617.39
 8038.86  616.29 8264.51  616.79 8419.59  615.41 8582.06  611.47  8747.3  609.33
  8875.3  591.31 8890.58  591.25 8970.18  588.75 9119.52     585 9170.39     585
 9207.68  586.14  9320.2  615.83 9415.73  618.75 9759.94  617.69 9900.32   608.5
 9949.87   599.610138.77  599.0210362.77  615.8210629.32     61511193.03  613.75
12491.27  613.7512704.95     60513254.23     60513676.81  606.2513730.15   607.5
13991.13   606.613997.33  597.8314092.01   596.814677.06  587.4515175.12   582.5
15197.08  579.7415274.41  574.4415294.36  571.8315325.75  568.0615690.38  568.06
15733.39   573.715774.62   582.515865.42  609.7815884.87  612.5816128.92  645.44
16579.42  650.6517025.02  654.7919186.72  653.7519304.69  653.7519539.64  653.93
19897.88  645.4620907.66  646.2521171.14   647.522886.56  648.7523278.01  649.34
 23711.2  652.8524377.08  659.7424606.37  661.2525747.23  661.2526397.59   652.5
26677.91   652.527265.52  651.2527508.84  650.5227684.45   651.427827.77  651.28
27979.91  652.4928280.88  656.1328610.22  659.0629734.29  686.3730414.27  687.01
31405.11  749.1931551.17  749.3332182.79  697.4232218.31  697.4633849.66  768.99
34917.66  762.6435119.79  762.1435480.01  781.2335522.45  781.4135836.28  774.04
36175.77  784.2936337.62     78537130.29     79037842.64  790.8338201.88     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515175.12     .1515774.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15175.1215774.62                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.07    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.00    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1485756.00   113385.00   1650580.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1485756.00   113385.00   1650580.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3174366.00   354003.50   3201630.00
  Top Width (ft)          32377.10    Top Width (ft)          13907.68     599.50   17869.92
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)            2.14       3.12       1.94
  Max Chl Dpth (ft)         191.94    Hydr. Depth (ft)          106.83     189.13      92.37
  Conv. Total (cfs)       701979500.0    Conv. (cfs)            331105500.0   36924700.0   333949300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13924.36     601.55   17882.43
  Min Ch El (ft)            568.06    Shear (lb/sq ft)            0.61       1.08       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.31       3.38       1.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    168389.60   25813.25   198537.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1553.93     127.18    1915.33


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276519.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  174.82  793.99  568.78  780.78 1198.29  762.43  1356.7  756.87
 1609.68  749.21 1758.04  748.74 2068.29  748.74 2364.45   748.4 3159.88  715.11
 3223.49  711.97 3304.33  711.26 3314.35  711.22 3492.98  719.32 3652.33  718.74
 3778.98  718.13 3914.97  714.76 4247.37  706.85 4652.49  698.13 4953.98  697.68
 5083.71   696.3 5224.88  693.76 5285.62  691.95 5607.35  689.03 5917.31  687.12
 6042.35  687.48 6237.69  684.96 6385.42   683.7 6448.62  682.44 6492.12  682.44
 6625.61  683.32 6818.69  693.33 6874.59  690.05 6989.49  683.82 7312.05  664.03
 7354.56  662.15 7491.79  650.41 7751.97  622.67 7764.47  621.15 7917.76  617.46
 8040.87  616.37 8266.58  616.88  8421.7  615.51 8584.21  611.55 8749.48  609.41
 8877.51   591.4 8892.81  591.34 8972.42  588.82  9121.8  585.04 9172.68  585.04
 9209.98  586.19 9322.53  615.88 9418.09  618.82 9762.38  617.75  9902.8  608.57
 9952.36  599.6810141.31  599.0910365.36  615.8710631.97  615.0411195.83  613.78
12494.39  613.7812708.12  605.0413257.55  605.0413680.23   606.313733.58  607.56
13994.63  606.6514000.83  597.8914095.53  596.8614680.72  587.4815178.92  582.52
15201.02  579.7615278.82  574.4615298.89  571.8415330.48  568.0615695.35  568.06
15738.54  573.6915779.94  582.5215870.73  609.7815890.18  612.58 16134.2   645.4
16584.65  650.6117030.21  654.7419191.68   653.719309.63   653.719544.56  653.88
19902.76  645.4320912.43  646.2221175.89  647.4822891.13  648.7423282.53  649.34
23715.68  652.8524381.49  659.7524610.75  661.2625751.48  661.2626401.78  652.52
26682.07  652.5227269.62  651.2627512.91  650.53 27688.5  651.3927831.81  651.27
27983.93  652.4828284.87  656.1328614.17  659.0529738.13  686.3430418.03  686.99
31408.77  749.1131554.81  749.2432186.36   697.432221.88  697.4433853.05  768.91
34920.95  762.5735123.05  762.0835483.23  781.1635525.67  781.3435839.47     774
36178.93  784.2436340.75  784.9637133.34     79037845.62  790.8438204.81     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515178.92     .1515779.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15178.9215779.94                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.00    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1485828.00   113664.80   1650809.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1485828.00   113664.80   1650809.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3173444.00   354793.00   3201763.00
  Top Width (ft)          32381.95    Top Width (ft)          13911.28     601.02   17869.66
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)            2.14       3.12       1.94
  Max Chl Dpth (ft)         191.94    Hydr. Depth (ft)          106.81     189.12      92.38
  Conv. Total (cfs)       702120300.0    Conv. (cfs)            331075600.0   37014470.0   334030100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13927.93     603.06   17882.14
  Min Ch El (ft)            568.06    Shear (lb/sq ft)            0.61       1.08       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.31       3.37       1.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    168219.00   25800.21   198348.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1552.34     127.11    1913.28


CROSS SECTION


RIVER: BRAZOS
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REACH: UPPER BRAZOS       RS: 276516.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  174.86  793.99  568.92  780.77 1198.59  762.43 1357.04  756.86
 1610.08   749.2 1758.48  748.73  2068.8  748.73 2365.04  748.39 3160.67  715.13
  3224.3  711.98 3305.16  711.27 3315.18  711.23 3493.85  719.31 3653.24  718.73
  3779.93  718.12 3915.95  714.74 4248.43  706.83 4653.65  698.11 4955.22  697.66
  5084.98  696.28 5226.19  693.73 5286.94  691.91 5608.75     689 5918.79  687.09
  6043.86  687.46 6239.25  684.92 6387.02  683.65 6450.23  682.38 6493.74  682.38
  6627.27  683.27 6820.39  693.28 6876.31  690.01 6991.24  683.79 7313.87  664.04
   7356.4  662.17 7493.66  650.47  7753.9  622.76 7766.41  621.24 7919.74  617.53
  8042.88  616.44 8268.64  616.98  8423.8  615.61 8586.35  611.62 8751.67  609.48
  8879.73  591.49 8895.03  591.43 8974.66  588.89 9124.08  585.08 9174.97  585.08
  9212.28  586.24 9324.86  615.92 9420.44  618.89 9764.81  617.81 9905.27  608.64
  9954.84  599.7510143.84  599.1610367.95  615.9210634.63  615.0811198.62  613.81
 12497.52  613.81 12711.3  605.0813260.86  605.0813683.65  606.3513737.01  607.62
 13998.13   606.714004.32  597.9514099.05  596.9214684.39   587.515182.71  582.54
 15204.95  579.7715283.23  574.4815303.43  571.8515335.22  568.0615700.33  568.06
 15743.69  573.6915785.26  582.5415876.03  609.7815895.48  612.5816139.48  645.37
 16589.88  650.5817035.39   654.719196.63  653.6519314.57  653.6519549.47  653.84
 19907.64  645.39 20917.2  646.1921180.63  647.4622895.69  648.7323287.05  649.33
 23720.15  652.8524385.89  659.7624615.13  661.2725755.74  661.2726405.97  652.54
 26686.23  652.5427273.71  651.2727516.98  650.5327692.55  651.3927835.84  651.26
 27987.95  652.4628288.86  656.1228618.12  659.0529741.96  686.3130421.79  686.96
 31412.42  749.0231558.46  749.1632189.94  697.3832225.46  697.4233856.45  768.82
 34924.23   762.535126.32  762.0135486.46  781.0835528.89  781.2735842.65  773.95
 36182.07   784.236343.89  784.9237136.39     79037848.59  790.8438207.75     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515182.71     .1515785.26     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15182.7115785.26                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.00    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1485916.00   113946.30   1651039.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1485916.00   113946.30   1651039.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3172560.00   355585.40   3201855.00
  Top Width (ft)          32387.02    Top Width (ft)          13914.86     602.55   17869.61
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)            2.14       3.12       1.94
  Max Chl Dpth (ft)         191.94    Hydr. Depth (ft)          106.79     189.11      92.39
  Conv. Total (cfs)       702264900.0    Conv. (cfs)            331051600.0   37104780.0   334108500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13931.49     604.59   17882.07
  Min Ch El (ft)            568.06    Shear (lb/sq ft)            0.61       1.08       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.31       3.37       1.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   168048.50   25787.15   198158.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1550.74     127.04    1911.23


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276513.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  174.91  793.98  569.06  780.75 1198.89  762.42 1357.37  756.85
 1610.49  749.19 1758.92  748.72 2069.32  748.72 2365.63  748.37 3161.46  715.14
  3225.1     712 3305.98  711.28 3316.01  711.24 3494.72  719.31 3654.16  718.72
  3780.87   718.1 3916.93  714.72  4249.5  706.81 4654.81   698.1 4956.46  697.64
  5086.26  696.27 5227.49  693.71 5288.26  691.88 5610.15  688.97 5920.27  687.07
  6045.37  687.44  6240.8  684.88 6388.61   683.6 6451.84  682.32 6495.36  682.32
  6628.92  683.21  6822.1  693.23 6878.02  689.96 6992.99  683.76  7315.7  664.05
  7358.24  662.19 7495.53  650.52 7755.84  622.85 7768.35  621.33 7921.72   617.6
  8044.89  616.51 8270.71  617.08 8425.91   615.7  8588.5   611.7 8753.86  609.55
  8881.95  591.58 8897.25  591.52  8976.9  588.96 9126.36  585.12 9177.27  585.12
  9214.58  586.29 9327.18  615.97 9422.79  618.96 9767.25  617.87 9907.75  608.71
  9957.33  599.8310146.37  599.2310370.54  615.9610637.29  615.1211201.42  613.84
 12500.64  613.8412714.47  605.1213264.17  605.1213687.07   606.413740.44  607.68
 14001.62  606.7614007.82  598.0114102.58  596.9814688.06  587.53 15186.5  582.56
 15208.88  579.7815287.65   574.515307.97  571.8515339.95  568.0615705.31  568.06
 15748.84  573.6815790.58  582.5615881.34  609.7715900.79  612.5716144.76  645.33
 16595.11  650.5417040.58  654.6619201.59   653.619319.51   653.619554.39  653.79
 19912.52  645.3520921.97  646.1621185.38  647.4422900.25  648.7223291.57  649.33
 23724.62  652.8424390.29  659.7724619.51  661.28   25760  661.2826410.16  652.56
 26690.39  652.5627277.81  651.2827521.05  650.5427696.61  651.3927839.88  651.25
 27991.97  652.4528292.85  656.1128622.08  659.04 29745.8  686.2830425.55  686.94
 31416.08  748.93 31562.1  749.0732193.51  697.3632229.03   697.433859.85  768.73
 34927.51  762.4335129.58  761.9535489.68  781.0135532.11  781.2135845.84   773.9
 36185.22  784.1536347.02  784.8837139.43     79037851.56  790.8538210.68     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 15186.5     .1515790.58     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       15186.515790.58                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1486000.00   114228.60   1651283.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1486000.00   114228.60   1651283.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3171633.00   356380.30   3201987.00
  Top Width (ft)          32392.25    Top Width (ft)          13918.61     604.08   17869.56
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)            2.13       3.12       1.94
  Max Chl Dpth (ft)         191.93    Hydr. Depth (ft)          106.76     189.10      92.41
  Conv. Total (cfs)       702410800.0    Conv. (cfs)            331023700.0   37195440.0   334191700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13935.22     606.12   17882.00
  Min Ch El (ft)            568.06    Shear (lb/sq ft)            0.61       1.08       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.30       3.37       1.03
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  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    167877.90   25774.06   197968.90
  C & E Loss (ft)            0.00    Cum SA (acres)           1549.14     126.97    1909.18


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276510.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  174.95  793.98   569.2  780.74 1199.19  762.42 1357.71  756.84
 1610.89  749.19 1759.36  748.71 2069.84  748.71 2366.22  748.36 3162.25  715.16
 3225.91  712.01 3306.81  711.29 3316.84  711.25  3495.6   719.3 3655.07  718.71
 3781.82  718.09  3917.9  714.71 4250.56  706.79 4655.97  698.09 4957.69  697.62
 5087.53  696.25  5228.8  693.68 5289.58  691.84 5611.56  688.93 5921.75  687.05
 6046.88  687.42 6242.36  684.84 6390.21  683.55 6453.45  682.26 6496.99  682.26
 6630.58  683.16  6823.8  693.17 6879.74  689.92 6994.73  683.74 7317.53  664.05
 7360.08  662.21 7497.41  650.58 7757.78  622.94 7770.29  621.42 7923.69  617.67
  8046.9  616.59 8272.77  617.17 8428.01   615.8 8590.64  611.78 8756.04  609.63
 8884.17  591.67 8899.47  591.61 8979.15  589.03 9128.63  585.16 9179.56  585.16
 9216.89  586.34 9329.51  616.02 9425.15  619.03 9769.69  617.93 9910.22  608.77
 9959.82  599.9110148.91   599.310373.13  616.0110639.94  615.1611204.22  613.87
12503.76  613.8712717.65  605.1613267.49  605.1613690.49  606.4513743.88  607.74
14005.12  606.8114011.32  598.08 14106.1  597.0414691.73  587.55 15190.3  582.58
15212.81  579.7915292.06  574.5215312.51  571.8615344.69  568.0615710.29  568.06
15753.99  573.6815795.89  582.5815886.65  609.7715906.09  612.5716150.04  645.29
16600.34  650.5117045.76  654.6219206.54  653.5519324.46  653.5519559.31  653.74
 19917.4  645.3220926.74  646.1321190.12  647.4222904.81  648.7123296.09  649.32
 23729.1  652.84 24394.7  659.7924623.89  661.2925764.26  661.2926414.35  652.58
26694.54  652.58 27281.9  651.2927525.12  650.5427700.66  651.3927843.92  651.23
27995.99  652.4428296.83  656.1128626.03  659.0329749.63  686.2530429.31  686.91
31419.74  748.8531565.74  748.9932197.08  697.34 32232.6  697.3833863.25  768.64
 34930.8  762.3635132.84  761.8935492.91  780.9435535.32  781.1435849.03  773.85
36188.38   784.136350.15  784.8437142.48     79037854.54  790.8638213.61     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 15190.3     .1515795.89     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       15190.315795.89                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           760.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.99    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1486077.00   114506.60   1651508.00
  E.G. Slope (ft/ft)     0.000092    Area (sq ft)            1486077.00   114506.60   1651508.00
  Q Total (cfs)          6730000.00    Flow (cfs)              3170745.00   357164.20   3202091.00
  Top Width (ft)         32397.32    Top Width (ft)          13922.20     605.59   17869.52
  Vel Total (ft/s)           2.07    Avg. Vel. (ft/s)            2.13       3.12       1.94
  Max Chl Dpth (ft)        191.93    Hydr. Depth (ft)          106.74     189.08      92.42
  Conv. Total (cfs)      702549000.0    Conv. (cfs)             330996100.0   37284600.0   334268300.0
  Length Wtd. (ft)           5.00    Wetted Per. (ft)        13938.79     607.63   17881.95
  Min Ch El (ft)           568.06    Shear (lb/sq ft)            0.61       1.08       0.53
  Alpha                      1.04    Stream Power (lb/ft s)      1.30       3.37       1.03
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    167707.30   25760.93   197779.40
  C & E Loss (ft)            0.00    Cum SA (acres)           1547.55     126.90    1907.13


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276507.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  174.99  793.98   569.35  780.73 1199.49  762.42 1358.05  756.84
 1611.29  749.18  1759.8   748.7 2070.35   748.7 2366.81  748.35 3163.04  715.18
 3226.72  712.03 3307.64   711.3 3317.67  711.26 3496.47   719.3 3655.98   718.7
 3782.76  718.07 3918.88  714.69 4251.62  706.77 4657.14  698.07 4958.93   697.6
  5088.8  696.23 5230.11  693.65  5290.9   691.8 5612.96   688.9 5923.23  687.03
 6048.39   687.4 6243.92   684.8  6391.8   683.5 6455.06   682.2 6498.61   682.2
 6632.23  683.11 6825.51  693.12 6881.46  689.87 6996.48  683.71 7319.35  664.06
 7361.91  662.22 7499.28  650.64 7759.72  623.03 7772.23   621.5 7925.67  617.75
 8048.91  616.66 8274.84  617.27 8430.12   615.9 8592.79  611.86 8758.23   609.7
 8886.39  591.76  8901.7   591.7 8981.39   589.1 9130.91   585.2 9181.85   585.2
 9219.19  586.39 9331.84  616.06  9427.5   619.1 9772.13  617.99 9912.69  608.84
  9962.3  599.9810151.44  599.3810375.72  616.06 10642.6   615.211207.02   613.9
12506.88   613.912720.83   605.2 13270.8   605.213693.91   606.513747.31   607.8
14008.62  606.8614014.82  598.1414109.62   597.1 14695.4  587.5815194.09   582.6
15216.74   579.815296.47  574.5315317.05  571.8715349.42  568.0615715.27  568.06
15759.14  573.6815801.21   582.615891.96  609.77 15911.4  612.5716155.32  645.26
16605.58  650.4717050.95  654.58 19211.5   653.5 19329.4   653.519564.22  653.69
19922.28  645.2820931.52   646.121194.86   647.422909.37   648.723300.61  649.32
23733.57  652.84 24399.1   659.824628.27   661.325768.52   661.326418.54   652.6
 26698.7   652.6   27286   651.327529.19  650.5427704.71  651.3927847.96  651.22
28000.01  652.4228300.82   656.128629.98  659.0229753.46  686.2230433.08  686.89
31423.39  748.7631569.38   748.932200.66  697.3232236.17  697.3633866.64  768.55
34934.08  762.2835136.11  761.8335496.13  780.8735538.55  781.0735852.21  773.81
36191.52  784.0636353.29   784.837145.53     79037857.51  790.8638216.55     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515194.09     .1515801.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15194.0915801.21                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           760.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.99    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1486151.00   114788.60   1651745.00
  E.G. Slope (ft/ft)     0.000092    Area (sq ft)            1486151.00   114788.60   1651745.00
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  Q Total (cfs)           6730000.00    Flow (cfs)              3169835.00   357958.70   3202206.00
  Top Width (ft)          32402.26    Top Width (ft)          13925.66     607.12   17869.47
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)            2.13       3.12       1.94
  Max Chl Dpth (ft)         191.93    Hydr. Depth (ft)          106.72     189.07      92.43
  Conv. Total (cfs)       702693300.0    Conv. (cfs)             330969100.0   37375210.0   334349000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13942.22     609.15   17881.88
  Min Ch El (ft)            568.06    Shear (lb/sq ft)            0.61       1.08       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.30       3.37       1.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    167536.80   25747.77   197589.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1545.95     126.83    1905.08


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276504.*

INPUT
Description:
Station Elevation Data    num=     120
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800  175.04  793.97  569.49  780.72 1199.79  762.41 1358.39  756.83
  1611.69  749.17 1760.24  748.69 2070.87  748.69  2367.4  748.33 3163.83  715.19
  3227.52  712.04 3308.46  711.31  3318.5  711.27 3497.34  719.29 3656.89  718.69
  3783.71  718.06 3919.86  714.67 4252.68  706.75  4658.3  698.06 4960.17  697.58
  5090.07  696.21 5231.41  693.63 5292.22  691.77 5614.36  688.87  5924.7     687
   6049.9  687.38 6245.48  684.76  6393.4  683.45 6456.68  682.14 6500.23  682.14
  6633.89  683.05 6827.21  693.07 6883.18  689.82 6998.23  683.68 7321.18  664.07
  7363.75  662.24 7501.15  650.69 7761.65  623.12 7774.17  621.59 7927.65  617.82
  8050.92  616.73 8276.91  617.36 8432.22  615.99 8594.93  611.94 8760.42  609.78
  8888.61  591.85 8903.92  591.79 8983.63  589.17 9133.19  585.24 9184.14  585.24
  9221.49  586.43 9334.17  616.11 9429.85  619.17 9774.57  618.06 9915.17  608.91
  9964.79  600.0610153.98  599.4510378.31   616.110645.26  615.2411209.82  613.93
    12510  613.93   12724  605.2413274.11  605.2413697.32  606.5513750.74  607.86
 14012.12  606.9214018.32   598.214113.14  597.1614699.07   587.615197.88  582.62
 15220.67  579.8215300.89  574.5515321.58  571.8815354.15  568.0615720.25  568.06
  15764.3  573.6715806.53  582.6215897.26  609.77 15916.7  612.57 16160.6  645.22
 16610.81  650.4417056.13  654.5419216.45  653.4519334.34  653.4519569.14  653.64
 19927.16  645.2420936.29  646.0721199.61  647.3822913.93  648.6923305.13  649.31
 23738.05  652.83 24403.5  659.8124632.65  661.3125772.77  661.3126422.72  652.62
 26702.86  652.62 27290.1  651.3127533.26  650.5527708.76  651.3927851.99  651.21
 28004.03  652.4128304.81  656.0928633.94  659.02 29757.3  686.1930436.84  686.87
 31427.05  748.6731573.02  748.8232204.23   697.332239.74  697.3433870.04  768.47
 34937.36  762.2135139.37  761.7635499.36   780.835541.77     781 35855.4  773.76
 36194.68  784.0136356.42  784.7637148.58     79037860.48  790.8738219.48     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1515197.88     .1515806.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15197.8815806.53                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1486243.00   115070.20   1651969.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1486243.00   115070.20   1651969.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3168947.00   358749.60   3202304.00
  Top Width (ft)          32407.29    Top Width (ft)          13929.41     608.65   17869.23
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)            2.13       3.12       1.94
  Max Chl Dpth (ft)         191.93    Hydr. Depth (ft)          106.70     189.06      92.45
  Conv. Total (cfs)       702837800.0    Conv. (cfs)             330944400.0   37465500.0   334427900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13945.95     610.68   17881.61
  Min Ch El (ft)            568.06    Shear (lb/sq ft)            0.61       1.08       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.30       3.36       1.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    167366.20   25734.58   197400.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1544.35     126.76    1903.02


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276501.*

INPUT
Description:
Station Elevation Data    num=     120
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800  175.08  793.97  569.63   780.7 1200.09  762.41 1358.73  756.82
   1612.1  749.17 1760.68  748.68 2071.39  748.68 2367.99  748.32 3164.62  715.21
  3228.33  712.06 3309.29  711.32 3319.32  711.28 3498.22  719.28 3657.81  718.68
  3784.65  718.04 3920.84  714.66 4253.74  706.73 4659.46  698.04 4961.41  697.56
  5091.34  696.19 5232.72   693.6 5293.54  691.73 5615.76  688.83 5926.18  686.98
  6051.41  687.36 6247.04  684.72    6395   683.4 6458.29  682.08 6501.85  682.08
  6635.55     683 6828.91  693.01 6884.89  689.78 6999.97  683.65 7323.01  664.07
  7365.59  662.26 7503.02  650.75 7763.59   623.2 7776.11  621.68 7929.63  617.89
  8052.93   616.8 8278.97  617.46 8434.32  616.09 8597.08  612.02  8762.6  609.85
  8890.82  591.95 8906.14  591.88 8985.87  589.24 9135.47  585.28 9186.44  585.28
  9223.79  586.48  9336.5  616.16 9432.21  619.24 9777.01  618.12 9917.64  608.98
  9967.28  600.1410156.51  599.52 10380.9  616.1510647.91  615.2811212.61  613.96
 12513.13  613.9612727.18  605.2813277.42  605.2813700.74   606.613754.17  607.92
 14015.61  606.9714021.82  598.2714116.66  597.2214702.74  587.6315201.68  582.64
  15224.6  579.83 15305.3  574.5715326.12  571.8915358.89  568.0515725.23  568.05
 15769.45  573.6715811.84  582.6415902.57  609.7715922.01  612.5616165.88  645.18
 16616.04   650.417061.31  654.4919221.41   653.419339.28   653.419574.06  653.59
 19932.04  645.2120941.06  646.0421204.35  647.36 22918.5  648.6823309.65  649.31
 23742.52  652.8324407.91  659.8224637.03  661.3225777.03  661.3226426.91  652.64
 26707.02  652.6427294.19  651.3227537.33  650.5527712.81  651.3827856.03  651.19
 28008.05  652.39 28308.8  656.0828637.89  659.0129761.13  686.17 30440.6  686.84
 31430.71  748.5931576.66  748.7332207.81  697.2832243.31  697.3233873.44  768.38
 34940.65  762.1435142.63   761.735502.58  780.7335544.98  780.9335858.59  773.71
 36197.82  783.9736359.55  784.7237151.63     79037863.46  790.8838222.42     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1515201.68     .1515811.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15201.6815811.84                5       5       5             .1       .3
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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.06    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1486322.00   115352.10   1652216.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1486322.00   115352.10   1652216.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3168022.00   359547.00   3202431.00
  Top Width (ft)          32412.37    Top Width (ft)          13933.00     610.16   17869.21
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)            2.13       3.12       1.94
  Max Chl Dpth (ft)         191.94    Hydr. Depth (ft)          106.68     189.05      92.46
  Conv. Total (cfs)       702985900.0    Conv. (cfs)             330917500.0   37556690.0   334511700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13949.50     612.19   17881.57
  Min Ch El (ft)            568.05    Shear (lb/sq ft)            0.61       1.08       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.30       3.36       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    167195.60   25721.35   197210.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1542.75     126.69    1900.97


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276498.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  175.13  793.96  569.77  780.69 1200.39  762.41 1359.07  756.81
  1612.5  749.16 1761.12  748.67  2071.9  748.67 2368.58  748.31 3165.41  715.23
 3229.13  712.07 3310.11  711.33 3320.15  711.29 3499.09  719.28 3658.72  718.67
 3785.59  718.03 3921.82  714.64  4254.8  706.71 4660.62  698.03 4962.64  697.55
 5092.61  696.17 5234.02  693.57 5294.86   691.7 5617.16   688.8 5927.66  686.96
 6052.92  687.34  6248.6  684.68 6396.59  683.35  6459.9  682.02 6503.47  682.02
  6637.2  682.95 6830.62  692.96 6886.61  689.73 7001.72  683.63 7324.84  664.08
 7367.43  662.27 7504.89  650.81 7765.53  623.29 7778.05  621.77 7931.61  617.96
 8054.94  616.88 8281.04  617.55 8436.43  616.19 8599.22  612.09 8764.79  609.93
 8893.04  592.04 8908.36  591.97 8988.11  589.31 9137.75  585.32 9188.73  585.32
 9226.09  586.53 9338.83   616.2 9434.56  619.31 9779.45  618.18 9920.12  609.05
 9969.76  600.2110159.04  599.5910383.49   616.210650.57  615.3211215.41  613.99
12516.25  613.9912730.35  605.3213280.74  605.3213704.16  606.65 13757.6  607.98
14019.11  607.0214025.32  598.3314120.19  597.28 14706.4  587.6615205.47  582.66
15228.53  579.8415309.71  574.5915330.66   571.915363.62  568.0515730.21  568.05
 15774.6  573.6615817.16  582.6615907.88  609.7715927.31  612.5616171.16  645.15
16621.27  650.37 17066.5  654.4519226.36  653.3519344.22  653.3519578.98  653.54
19936.92  645.1720945.83  646.0121209.09  647.3422923.06  648.6723314.17   649.3
23746.99  652.8324412.31  659.83 24641.4  661.3325781.29  661.33 26431.1  652.66
26711.18  652.6627298.29  651.33 27541.4  650.5627716.87  651.3827860.06  651.18
28012.07  652.3828312.79  656.0828641.85     65929764.97  686.1430444.36  686.82
31434.37   748.5 31580.3  748.6532211.38  697.2632246.88   697.333876.84  768.29
34943.93  762.0735145.89  761.64 35505.8  780.66 35548.2  780.8635861.77  773.66
36200.98  783.9236362.69  784.6837154.68     79037866.43  790.8838225.36     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515205.47     .1515817.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15205.4715817.16                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.06    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1486390.00   115634.00   1652441.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1486390.00   115634.00   1652441.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3167110.00   360343.60   3202547.00
  Top Width (ft)          32417.45    Top Width (ft)          13936.58     611.69   17869.17
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)            2.13       3.12       1.94
  Max Chl Dpth (ft)         191.94    Hydr. Depth (ft)          106.65     189.04      92.47
  Conv. Total (cfs)       703121700.0    Conv. (cfs)             330886200.0   37647160.0   334588400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13953.06     613.72   17881.52
  Min Ch El (ft)            568.05    Shear (lb/sq ft)            0.61       1.08       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.30       3.36       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    167025.00   25708.10   197020.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1541.15     126.62    1898.92


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276496.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  175.17  793.96  569.92  780.68 1200.69  762.41 1359.41  756.81
  1612.9  749.16 1761.56  748.66 2072.42  748.66 2369.17   748.3  3166.2  715.25
 3229.94  712.09 3310.94  711.34 3320.98   711.3 3499.96  719.27 3659.63  718.66
 3786.54  718.01  3922.8  714.62 4255.86  706.69 4661.79  698.01 4963.88  697.53
 5093.88  696.15 5235.33  693.54 5296.19  691.66 5618.56  688.77 5929.14  686.93
 6054.43  687.32 6250.16  684.64 6398.19   683.3 6461.51  681.96  6505.1  681.96
 6638.86   682.9 6832.32  692.91 6888.33  689.69 7003.46   683.6 7326.66  664.09
 7369.27  662.29 7506.77  650.86 7767.46  623.38 7779.99  621.86 7933.59  618.03
 8056.95  616.95  8283.1  617.65 8438.53  616.28 8601.37  612.17 8766.97     610
 8895.26  592.13 8910.58  592.06 8990.36  589.38 9140.03  585.36 9191.02  585.36
 9228.39  586.58 9341.16  616.25 9436.91  619.38 9781.89  618.24 9922.59  609.11
 9972.25  600.2910161.58  599.6610386.08  616.2410653.23  615.3611218.21  614.02
12519.37  614.0212733.53  605.3613284.05  605.3613707.58   606.713761.04  608.04
14022.61  607.0714028.81  598.3914123.71  597.3414710.07  587.6815209.26  582.68
15232.46  579.8515314.13   574.6 15335.2  571.9115368.36  568.0515735.19  568.05
15779.75  573.6615822.48  582.6815913.19  609.7615932.62  612.5616176.44  645.11
 16626.5  650.3317071.68  654.4119231.31   653.319349.17   653.319583.89   653.5
19941.79  645.14 20950.6  645.9821213.84  647.3222927.62  648.6623318.69   649.3
23751.47  652.8224416.71  659.8524645.78  661.3425785.55  661.3426435.29  652.68
26715.34  652.6827302.39  651.3427545.47  650.5627720.92  651.38 27864.1  651.17
 28016.1  652.3628316.78  656.07 28645.8  658.99 29768.8  686.1130448.12  686.79
31438.02  748.4131583.94  748.5632214.96  697.2432250.45  697.2733880.23   768.2
34947.21     76235149.16  761.5735509.03  780.5935551.43  780.7935864.96  773.61
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36204.12  783.8836365.82  784.6437157.73     790 37869.4  790.8938228.29     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515209.26     .1515822.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15209.2615822.48                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1486476.00   115916.00   1652689.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1486476.00   115916.00   1652689.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3166210.00   361131.80   3202658.00
  Top Width (ft)          32422.43    Top Width (ft)          13940.05     613.22   17869.16
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)            2.13       3.12       1.94
  Max Chl Dpth (ft)         191.94    Hydr. Depth (ft)          106.63     189.03      92.49
  Conv. Total (cfs)       703274200.0    Conv. (cfs)            330863900.0   37737690.0   334672600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13956.50     615.25   17881.48
  Min Ch El (ft)            568.05    Shear (lb/sq ft)            0.61       1.08       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.30       3.36       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    166854.30   25694.81   196831.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1539.55     126.55    1896.87


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276493.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  175.21  793.95  570.06  780.67 1200.99   762.4 1359.75   756.8
  1613.3  749.15    1762  748.65 2072.94  748.65 2369.76  748.28 3166.99  715.26
 3230.74  712.11 3311.76  711.35 3321.81  711.31 3500.83  719.27 3660.54  718.65
 3787.48     718 3923.77  714.61 4256.92  706.67 4662.95     698 4965.12  697.51
 5095.15  696.14 5236.63  693.52 5297.51  691.62 5619.96  688.73 5930.62  686.91
 6055.94   687.3 6251.71   684.6 6399.78  683.25 6463.12   681.9 6506.72   681.9
 6640.51  682.84 6834.03  692.86 6890.05  689.64 7005.21  683.57 7328.49   664.1
  7371.1  662.31 7508.64  650.92  7769.4  623.47 7781.93  621.95 7935.56   618.1
 8058.95  617.02 8285.17  617.74 8440.64  616.38 8603.51  612.25 8769.16  610.08
 8897.48  592.22 8912.81  592.15  8992.6  589.45 9142.31   585.4 9193.31   585.4
  9230.7  586.63 9343.49   616.3 9439.27  619.45 9784.33   618.3 9925.07  609.18
 9974.74  600.3710164.11  599.7410388.67  616.2910655.88  615.411221.01  614.05
12522.49  614.05 12736.7   605.413287.36   605.4   13711  606.7513764.47   608.1
 14026.1  607.1314032.31  598.4514127.23   597.414713.74  587.7115213.05   582.7
15236.39  579.8615318.54  574.6215339.74  571.9215373.09  568.0515740.17  568.05
 15784.9  573.6515827.79   582.715918.49  609.7615937.92  612.5516181.71  645.07
16631.73   650.317076.87  654.3719236.27  653.2519354.11  653.2519588.81  653.45
19946.67   645.120955.38  645.9521218.58   647.322932.18  648.6523323.21  649.29
23755.94  652.8224421.12  659.8624650.16  661.35 25789.8  661.3526439.48   652.7
 26719.5   652.727306.48  651.3527549.54  650.5727724.97  651.3827868.14  651.15
28020.12  652.3528320.77  656.0628649.75  658.9829772.64  686.0830451.89  686.77
31441.68  748.3331587.59  748.4832218.53  697.2232254.02  697.2533883.63  768.11
 34950.5  761.9335152.42  761.5135512.25  780.5235554.64  780.7235868.14  773.57
36207.28  783.8336368.95   784.637160.78     79037872.38   790.938231.23     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515213.05     .1515827.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15213.0515827.79                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1486553.00   116196.00   1652920.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1486553.00   116196.00   1652920.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3165299.00   361920.40   3202781.00
  Top Width (ft)          32427.67    Top Width (ft)          13943.79     614.74   17869.14
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)            2.13       3.11       1.94
  Max Chl Dpth (ft)         191.94    Hydr. Depth (ft)          106.61     189.02      92.50
  Conv. Total (cfs)       703412000.0    Conv. (cfs)            330833500.0   37827510.0   334751000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13960.23     616.77   17881.45
  Min Ch El (ft)            568.05    Shear (lb/sq ft)            0.61       1.08       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.30       3.35       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    166683.70   25681.49   196641.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1537.95     126.48    1894.82


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276490.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  175.26  793.95   570.2  780.66 1201.29   762.4 1360.09  756.79
  1613.7  749.14 1762.44  748.64 2073.45  748.64 2370.35  748.27 3167.78  715.28
 3231.55  712.12 3312.59  711.36 3322.64  711.32 3501.71  719.26 3661.46  718.64
 3788.43  717.98 3924.75  714.59 4257.99  706.65 4664.11  697.98 4966.36  697.49
 5096.42  696.12 5237.94  693.49 5298.83  691.59 5621.36   688.7  5932.1  686.89
 6057.45  687.28 6253.27  684.56 6401.38   683.2 6464.73  681.84 6508.34  681.84
 6642.17  682.79 6835.73   692.8 6891.77   689.6 7006.96  683.54 7330.32   664.1
 7372.94  662.33 7510.51  650.98 7771.34  623.56 7783.87  622.03 7937.54  618.18
 8060.96   617.1 8287.23  617.84 8442.74  616.48 8605.66  612.33 8771.35  610.15
  8899.7  592.31 8915.03  592.24 8994.84  589.52 9144.59  585.44  9195.6  585.44
    9233  586.68 9345.82  616.34 9441.62  619.52 9786.77  618.36 9927.54  609.25
 9977.23  600.4410166.65  599.8110391.26  616.3410658.54  615.44 11223.8  614.08
12525.62  614.0812739.88  605.4413290.67  605.4413714.42   606.8 13767.9  608.16
 14029.6  607.1814035.81  598.5214130.75  597.4714717.41  587.7315216.85  582.72
15240.32  579.8715322.95  574.6415344.27  571.9315377.82  568.0515745.14  568.05
```

```
15790.05  573.6515833.11  582.72 15923.8  609.7615943.23  612.5516186.99  645.04
16636.96  650.2617082.05  654.3319241.22   653.219359.05   653.219593.73   653.4
19951.55  645.0620960.15  645.9221223.33  647.2822936.74  648.6423327.73  649.29
23760.42  652.8224425.52  659.8724654.54  661.3625794.06  661.3626443.67  652.72
26723.66  652.7227310.58  651.3627553.62  650.5727729.02  651.3827872.18  651.14
28024.14  652.3428324.76  656.0628653.71  658.9829776.47  686.0530455.65  686.75
31445.34  748.2431591.23  748.39 32222.1   697.232257.59  697.2333887.03  768.03
34953.78  761.8535155.68  761.4535515.48  780.4535557.86  780.6635871.33  773.52
36210.43  783.7836372.09  784.5637163.82     79037875.35   790.938234.16     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515216.85     .1515833.11     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15216.8515833.11                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1486632.00   116475.60   1653139.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1486632.00   116475.60   1653139.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3164414.00   362706.30   3202880.00
  Top Width (ft)          32432.56    Top Width (ft)          13947.38     616.26   17868.92
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)            2.13       3.11       1.94
  Max Chl Dpth (ft)         191.94    Hydr. Depth (ft)          106.59     189.00      92.51
  Conv. Total (cfs)       703551800.0    Conv. (cfs)            330806700.0   37917180.0   334827900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13963.79     618.29   17881.20
  Min Ch El (ft)            568.05    Shear (lb/sq ft)            0.61       1.08       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.29       3.35       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    166513.10   25668.13   196451.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1536.35     126.41    1892.77


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276487.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   175.3  793.94  570.34  780.64 1201.59   762.4 1360.43  756.78
 1614.11  749.14 1762.88  748.63 2073.97  748.63 2370.95  748.26 3168.57   715.3
 3232.35  712.14 3313.42  711.37 3323.46  711.33 3502.58  719.26 3662.37  718.63
 3789.37  717.97 3925.73  714.57 4259.05  706.63 4665.27  697.97  4967.6  697.47
 5097.69   696.1 5239.25  693.46 5300.15  691.55 5622.77  688.67 5933.58  686.87
 6058.96  687.26 6254.83  684.52 6402.97  683.15 6466.34  681.78 6509.96  681.78
 6643.82  682.74 6837.43  692.75 6893.48  689.55  7008.7  683.52 7332.15  664.11
 7374.78  662.34 7512.38  651.03 7773.28  623.65 7785.81  622.12 7939.52  618.25
 8062.97  617.17  8289.3  617.93 8444.85  616.57  8607.8  612.41 8773.53  610.23
 8901.92   592.4 8917.25  592.33 8997.08  589.59 9146.87  585.48  9197.9  585.48
  9235.3  586.73 9348.15  616.39 9443.97  619.59 9789.21  618.42 9930.02  609.32
 9979.71  600.5210169.18  599.8810393.85  616.38 10661.2  615.48 11226.6  614.11
12528.74  614.1112743.05  605.4813293.99  605.4813717.83  606.8513771.33  608.22
 14033.1  607.2314039.31  598.5814134.28  597.5314721.08  587.7615220.64  582.74
15244.25  579.8915327.37  574.6615348.81  571.9415382.56  568.0515750.12  568.05
15795.21  573.6515838.43  582.7415929.11  609.7615948.53  612.5516192.27     645
 16642.2  650.2317087.23  654.2919246.18  653.1519363.99  653.1519598.64  653.35
19956.43  645.0320964.92  645.8921228.07  647.26 22941.3  648.6323332.25  649.28
23764.89  652.8124429.92  659.8824658.92  661.3725798.32  661.3726447.86  652.74
26727.82  652.7427314.68  651.3727557.69  650.5727733.07  651.3827876.21  651.13
28028.16  652.3228328.74  656.0528657.66  658.97 29780.3  686.0230459.41  686.72
31448.99  748.1531594.87  748.3132225.68  697.1832261.16  697.2133890.42  767.94
34957.07  761.7835158.94  761.39 35518.7  780.3835561.08  780.5935874.52  773.47
36213.58  783.7436375.22  784.5237166.88     79037878.32  790.9138237.09     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515220.64     .1515838.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15220.6415838.43                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1486705.00   116756.40   1653382.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1486705.00   116756.40   1653382.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3163490.00   363492.10   3203018.00
  Top Width (ft)          32437.64    Top Width (ft)          13950.96     617.79   17868.89
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)            2.13       3.11       1.94
  Max Chl Dpth (ft)         191.94    Hydr. Depth (ft)          106.57     188.99      92.53
  Conv. Total (cfs)       703695000.0    Conv. (cfs)            330777400.0   38007070.0   334910500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13967.34     619.81   17881.15
  Min Ch El (ft)            568.05    Shear (lb/sq ft)            0.61       1.08       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.29       3.35       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    166342.40   25654.75   196262.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1534.75     126.34    1890.72


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276484.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   175.34  793.94  570.48  780.63 1201.89   762.4 1360.77  756.77
 1614.51  749.13 1763.31  748.62 2074.49  748.62 2371.54  748.25 3169.36  715.31
 3233.16  712.15 3314.24  711.38 3324.29  711.34 3503.45  719.25 3663.28  718.62
 3790.32  717.95 3926.71  714.56 4260.11  706.62 4666.44  697.95 4968.83  697.45
 5098.96  696.08 5240.55  693.44 5301.47  691.51 5624.17  688.63 5935.05  686.84
 6060.47  687.24 6256.39  684.48 6404.57   683.1 6467.96  681.72 6511.59  681.72
 6645.48  682.68 6839.14   692.7  6895.2   689.5 7010.45  683.49 7333.97  664.12
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 7376.62  662.36 7514.26  651.09 7775.21  623.73 7787.75  622.21  7941.5  618.32
 8064.98  617.24 8291.37  618.03 8446.95  616.67 8609.95  612.49 8775.72   610.3
 8904.13  592.49 8919.47  592.42 8999.32  589.66 9149.15  585.52 9200.19  585.52
  9237.6  586.78 9350.48  616.44 9446.33  619.66 9791.65  618.49 9932.49  609.39
  9982.2   600.610171.72  599.9510396.44  616.4310663.85  615.52 11229.4  614.14
12531.86  614.1412746.23  605.52 13297.3  605.5213721.25   606.913774.76  608.28
14036.59  607.2814042.81  598.64 14137.8  597.5914724.75  587.7915224.43  582.76
15248.18   579.915331.78  574.6815353.35  571.9515387.29  568.05 15755.1  568.05
15800.36  573.6415843.75  582.7615934.42  609.7615953.84  612.5516197.55  644.96
16647.43  650.1917092.42  654.2419251.13   653.119368.93   653.119603.56   653.3
19961.31  644.9920969.69  645.8621232.81  647.2422945.87  648.6223336.77  649.28
23769.37  652.8124434.33  659.89 24663.3  661.3825802.58  661.3826452.04  652.76
26731.98  652.7627318.77  651.3827561.76  650.5827737.13  651.3727880.25  651.12
28032.18  652.3128332.73  656.0428661.62  658.9629784.14  685.9930463.17   686.7
31452.65  748.0731598.51  748.2232229.25  697.1632264.73  697.1933893.82  767.85
34960.35  761.71 35162.2  761.3235521.93  780.31 35564.3  780.52 35877.7  773.42
36216.73  783.6936378.35  784.4837169.92     790 37881.3  790.9238240.03     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515224.43     .1515843.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15224.4315843.75                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1486784.00   117038.20   1653628.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1486784.00   117038.20   1653628.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3162572.00   364280.40   3203147.00
  Top Width (ft)          32442.74    Top Width (ft)          13954.54     619.32   17868.87
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)            2.13       3.11       1.94
  Max Chl Dpth (ft)         191.94    Hydr. Depth (ft)          106.54     188.98      92.54
  Conv. Total (cfs)       703842200.0    Conv. (cfs)             330750600.0   38097460.0   334994100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13970.90     621.34   17881.11
  Min Ch El (ft)            568.05    Shear (lb/sq ft)            0.61       1.08       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.29       3.35       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    166171.80   25641.33   196072.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1533.15     126.27    1888.67


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276481.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  175.39  793.93  570.63  780.62 1202.19  762.39  1361.1  756.77
 1614.91  749.12 1763.75  748.61    2075  748.61 2372.13  748.23 3170.15  715.33
 3233.97  712.17 3315.07  711.39 3325.12  711.35 3504.33  719.25 3664.19  718.61
 3791.26  717.94 3927.69  714.54 4261.17   706.6  4667.6  697.94 4970.07  697.44
 5100.23  696.06 5241.86  693.41 5302.79  691.48 5625.57   688.6 5936.53  686.82
 6061.98  687.22 6257.95  684.44 6406.16  683.05 6469.57  681.66 6513.21  681.66
 6647.14  682.63 6840.84  692.64 6896.92  689.46  7012.2  683.46  7335.8  664.12
 7378.45  662.38 7516.13  651.15 7777.15  623.82 7789.69   622.3 7943.48  618.39
 8066.99  617.31 8293.43  618.12 8449.06  616.77 8612.09  612.56 8777.91  610.38
 8906.35  592.58  8921.7  592.51 9001.57  589.73 9151.43  585.56 9202.48  585.56
  9239.9  586.83 9352.81  616.48 9448.68  619.73 9794.09  618.55 9934.96  609.45
 9984.69  600.6710174.25  600.0310399.03  616.4810666.51  615.56 11232.2  614.17
12534.98  614.1712749.41  605.5613300.61  605.5613724.67  606.9513778.19  608.34
14040.09  607.3414046.31   598.714141.32  597.6514728.42  587.8115228.23  582.78
15252.11  579.9115336.19  574.6915357.89  571.9615392.03  568.0515760.08  568.05
15805.51  573.6415849.06  582.7815939.72  609.7515959.14  612.5416202.83  644.93
16652.66  650.16 17097.6   654.219256.09  653.0519373.88  653.0519608.48  653.25
19966.19  644.9520974.46  645.8321237.56  647.2222950.43  648.6123341.29  649.27
23773.84  652.8124438.73   659.924667.68  661.3925806.84  661.3926456.23  652.78
26736.13  652.7827322.87  651.3927565.83  650.5827741.18  651.3727884.29   651.1
 28036.2  652.2928336.72  656.0428665.57  658.9529787.97  685.9630466.94  686.67
31456.31  747.9831602.15  748.1332232.83  697.14 32268.3  697.1733897.22  767.76
34963.63  761.6435165.46  761.2635525.15  780.2435567.52  780.4535880.89  773.38
36219.88  783.6536381.48  784.4437172.97     79037884.27  790.9238242.96     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515228.23     .1515849.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15228.2315849.06                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1486864.00   117316.20   1653875.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1486864.00   117316.20   1653875.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3161656.00   365058.20   3203286.00
  Top Width (ft)          32447.88    Top Width (ft)          13958.18     620.83   17868.87
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)            2.13       3.11       1.94
  Max Chl Dpth (ft)         191.94    Hydr. Depth (ft)          106.52     188.97      92.56
  Conv. Total (cfs)       703987800.0    Conv. (cfs)             330723200.0   38186700.0   335077900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13974.52     622.85   17881.09
  Min Ch El (ft)            568.05    Shear (lb/sq ft)            0.61       1.07       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.29       3.34       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    166001.10   25627.88   195882.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1531.54     126.20    1886.62


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276478.*

INPUT
Description:
Station Elevation Data    num=     120
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```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  175.43  793.93  570.77  780.61 1202.48  762.39 1361.44  756.76
 1615.31  749.12 1764.19   748.6 2075.52   748.6 2372.72  748.22 3170.94  715.35
 3234.77  712.18 3315.89   711.4 3325.95  711.36  3505.2  719.24 3665.11   718.6
  3792.2  717.92 3928.67  714.52 4262.23  706.58 4668.76  697.92 4971.31  697.42
  5101.5  696.04 5243.16  693.38 5304.11  691.44 5626.97  688.57 5938.01   686.8
 6063.49   687.2 6259.51   684.4 6407.76     683 6471.18   681.6 6514.83   681.6
 6648.79  682.58 6842.55  692.59 6898.64  689.41 7013.94  683.44 7337.63  664.13
 7380.29  662.39    7518   651.2 7779.09  623.91 7791.63  622.39 7945.46  618.46
    8069  617.39  8295.5  618.22 8451.16  616.86 8614.24  612.64 8780.09  610.45
 8908.57  592.67 8923.92   592.6 9003.81   589.8 9153.71   585.6 9204.77   585.6
  9242.2  586.88 9355.14  616.53 9451.03   619.8 9796.53  618.61 9937.44  609.52
 9987.17  600.7510176.78   600.110401.62  616.5210669.17   615.6   11235   614.2
 12538.1   614.212752.58   605.613303.93   605.613728.09     60713781.63   608.4
14043.59  607.3914049.81  598.7714144.84  597.7114732.08  587.8415232.02   582.8
15256.04  579.9215340.61  574.7115362.42  571.9715396.76  568.0515765.06  568.05
15810.66  573.6315854.38   582.815945.03  609.7515964.45  612.5416208.11  644.89
16657.89  650.1217102.79  654.1619261.04     65319378.82     653 19613.4  653.21
19971.07  644.9220979.23   645.8 21242.3   647.222954.99   648.623345.81  649.26
23778.31   652.824443.13  659.9224672.06   661.425811.09   661.426460.42   652.8
26740.29   652.827326.97   651.4 27569.9  650.5927745.23  651.3727888.32  651.09
28040.22  652.2828340.71  656.0328669.52  658.9529791.81  685.93 30470.7  686.65
31459.96   747.931605.79  748.05 32236.4  697.1232271.87  697.1533900.61  767.67
34966.92  761.5735168.73   761.235528.37  780.1735570.74  780.3835884.07  773.33
36223.03   783.636384.62   784.437176.02     79037887.24  790.93 38245.9     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515232.02     .1515854.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15232.0215854.38                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1486940.00   117598.10   1654090.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1486940.00   117598.10   1654090.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3160782.00   365852.00   3203366.00
  Top Width (ft)          32452.98    Top Width (ft)          13961.77     622.36   17868.85
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)            2.13       3.11       1.94
  Max Chl Dpth (ft)         191.94    Hydr. Depth (ft)          106.50     188.96      92.57
  Conv. Total (cfs)       704123500.0    Conv. (cfs)            330695500.0   38277110.0   335150800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13978.07     624.38   17881.05
  Min Ch El (ft)            568.05    Shear (lb/sq ft)            0.61       1.07       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.29       3.34       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    165830.40   25614.40   195692.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1529.94     126.13    1884.56


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276475.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  175.47  793.93  570.91  780.59 1202.78  762.39 1361.78  756.75
 1615.72  749.11 1764.63  748.59 2076.04  748.59 2373.31  748.21 3171.72  715.36
 3235.58   712.2 3316.72  711.41 3326.78  711.37 3506.07  719.24 3666.02  718.59
 3793.15  717.91 3929.64  714.51 4263.29  706.56 4669.93  697.91 4972.55   697.4
 5102.77  696.02 5244.47  693.35 5305.43   691.4 5628.37  688.53 5939.49  686.77
    6065  687.18 6261.07  684.36 6409.36  682.95 6472.79  681.54 6516.45  681.54
 6650.45  682.52 6844.25  692.54 6900.36  689.37 7015.69  683.41 7339.45  664.14
 7382.13  662.41 7519.87  651.26 7781.02     624 7793.57  622.48 7947.44  618.53
 8071.01  617.46 8297.56  618.31 8453.26  616.96 8616.38  612.72 8782.28  610.52
 8910.79  592.76 8926.14  592.69 9006.05  589.87 9155.99  585.64 9207.06  585.64
  9244.5  586.93 9357.47  616.58 9453.39  619.87 9798.97  618.67 9939.91  609.59
 9989.66  600.8310179.32  600.1710404.21  616.5710671.82  615.6411237.79  614.23
12541.23  614.2312755.76  605.6413307.24  605.6413731.51  607.0513785.06  608.46
14047.09  607.44 14053.3  598.8314148.36  597.7714735.75  587.8615235.81  582.82
15259.97  579.9315345.02  574.7315366.96  571.9815401.49  568.0415770.04  568.04
15815.81  573.63 15859.7  582.8215950.34  609.7515969.75  612.5416213.39  644.86
16663.12  650.0917107.97  654.12   19266  652.9519383.76  652.9519618.31  653.16
19975.95  644.8820984.01  645.7721247.04  647.1822959.55  648.5923350.33  649.26
23782.79   652.824447.54  659.9324676.44  661.4125815.35  661.4126464.61  652.82
26744.45  652.8227331.06  651.4127573.97  650.5927749.28  651.3727892.36  651.08
28044.24  652.26 28344.7  656.0228673.48  658.9429795.64   685.930474.46  686.63
31463.62  747.8131609.43  747.9632239.97  697.0932275.44  697.1333904.01  767.59
 34970.2   761.535171.99  761.13 35531.6   780.135573.96  780.3135887.26  773.28
36226.18  783.5636387.75  784.3637179.07     79037890.21  790.9438248.84     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515235.81     .15 15859.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15235.81 15859.7                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1487025.00   117883.50   1654320.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1487025.00   117883.50   1654320.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3159879.00   366656.80   3203464.00
  Top Width (ft)          32457.88    Top Width (ft)          13965.35     623.89   17868.63
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.12       3.11       1.94
  Max Chl Dpth (ft)         191.95    Hydr. Depth (ft)          106.48     188.95      92.58
  Conv. Total (cfs)       704271500.0    Conv. (cfs)            330670600.0   38369380.0   335231600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13981.63     625.91   17880.81
  Min Ch El (ft)            568.04    Shear (lb/sq ft)            0.61       1.07       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.29       3.34       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    165659.80   25600.88   195502.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1528.34     126.05    1882.51


CROSS SECTION
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```
RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276472.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  175.52  793.92  571.05  780.58 1203.08  762.38 1362.12  756.74
 1616.12   749.1 1765.07  748.58 2076.55  748.58  2373.9  748.19 3172.51  715.38
 3236.38  712.21 3317.54  711.42 3327.61  711.38 3506.94  719.23 3666.93  718.58
 3794.09   717.9 3930.62  714.49 4264.35  706.54 4671.09  697.89 4973.79  697.38
 5104.04     696 5245.77  693.33 5306.75  691.37 5629.77   688.5 5940.97  686.75
 6066.51  687.16 6262.63  684.32 6410.95   682.9  6474.4  681.48 6518.08  681.48
  6652.1  682.47 6845.95  692.48 6902.07  689.32 7017.44  683.38 7341.28  664.14
 7383.97  662.43 7521.74  651.32 7782.96  624.09 7795.51  622.57 7949.41   618.6
 8073.02  617.53 8299.63  618.41 8455.37  617.06 8618.53   612.8 8784.46   610.6
 8913.01  592.85 8928.36  592.78 9008.29  589.94 9158.27  585.68 9209.36  585.68
 9246.81  586.97  9359.8  616.62 9455.74  619.94 9801.41  618.73 9942.39  609.66
 9992.15  600.9110181.85  600.24 10406.8  616.6210674.48  615.6811240.59  614.26
12544.35  614.2612758.93  605.6813310.55  605.6813734.93   607.113788.49  608.52
14050.58   607.5 14056.8  598.8914151.89  597.8314739.42  587.8915239.61  582.84
 15263.9  579.9415349.43  574.75 15371.5  571.9915406.23  568.0415775.02  568.04
15820.96  573.6215865.01  582.8415955.64  609.7515975.06  612.5316218.67  644.82
16668.35  650.0517113.16  654.0819270.95   652.9 19388.7   652.919623.23  653.11
19980.83  644.8520988.78  645.7421571.79  647.1622964.11  648.5823354.85  649.25
23787.26   652.824451.94  659.9424680.81  661.4225819.61  661.42 26468.8  652.84
26748.61  652.8427335.16  651.4227578.04   650.627753.34  651.37 27896.4  651.06
28048.26  652.2528348.69  656.0128677.43  658.9329799.48  685.8730478.22   686.6
31467.28  747.7231613.07  747.8832243.55  697.0732279.01  697.1133907.41   767.5
34973.48  761.4335175.25  761.0735534.82  780.0335577.18  780.2435890.45  773.23
36229.33  783.5136390.88  784.3237182.12     79037893.19  790.9438251.77     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515239.61     .1515865.01     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15239.6115865.01                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1487106.00   118161.30   1654563.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1487106.00   118161.30   1654563.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3158965.00   367433.70   3203602.00
  Top Width (ft)          32463.14    Top Width (ft)          13969.10     625.40   17868.64
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.12       3.11       1.94
  Max Chl Dpth (ft)         191.95    Hydr. Depth (ft)          106.46     188.94      92.60
  Conv. Total (cfs)       704414100.0    Conv. (cfs)            330641800.0   38458460.0   335313900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13985.36     627.42   17880.80
  Min Ch El (ft)            568.04    Shear (lb/sq ft)            0.61       1.07       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.29       3.34       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    165489.10   25587.34   195312.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1526.74     125.98    1880.46


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276469.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  175.56  793.92  571.19  780.57 1203.38  762.38 1362.46  756.73
 1616.52   749.1 1765.51  748.57 2077.07  748.57 2374.49  748.18  3173.3   715.4
 3237.19  712.23 3318.37  711.43 3328.43  711.39 3507.82  719.22 3667.84  718.57
 3795.04  717.88  3931.6  714.47 4265.42  706.52 4672.25  697.88 4975.02  697.36
 5105.31  695.99 5247.08   693.3 5308.07  691.33 5631.17  688.47 5942.45  686.73
 6068.02  687.14 6264.18  684.28 6412.55  682.85 6476.01  681.42  6519.7  681.42
 6653.76  682.42 6847.66  692.43 6903.79  689.27 7019.18  683.35 7343.11  664.15
 7385.81  662.44 7523.62  651.37  7784.9  624.18 7797.45  622.65 7951.39  618.68
 8075.03  617.61 8301.69   618.5 8457.47  617.15 8620.67  612.88 8786.65  610.67
 8915.23  592.94 8930.58  592.87 9010.54  590.01 9160.55  585.72 9211.65  585.72
 9249.11  587.02 9362.13  616.67 9458.09  620.01 9803.85  618.79 9944.86  609.73
 9994.63  600.9810184.39  600.3110409.39  616.6610677.14  615.7211243.39  614.29
12547.47  614.2912762.11  605.7213313.87  605.7213738.35  607.1513791.92  608.58
14054.08  607.55 14060.3  598.9514155.41  597.8914743.09  587.91 15243.4  582.86
15267.83  579.9615353.85  574.7615376.04     57215410.96  568.04   15780  568.04
15826.12  573.6215870.33  582.8615960.95  609.7515980.37  612.5316223.95  644.78
16673.59  650.0217118.34  654.0419275.91  652.8519393.64  652.8519628.15  653.06
19985.71  644.8120993.55  645.7121256.53  647.1422968.67  648.5723359.37  649.25
23791.73  652.7924456.34  659.9524685.19  661.4325823.87  661.4326472.99  652.86
26752.77  652.8627339.26  651.4327582.11   650.627757.39  651.3727900.43  651.05
28052.28  652.2428352.68  656.0128681.38  658.9229803.31  685.8530481.98  686.58
31470.94  747.6431616.72  747.7932247.12  697.0532282.58  697.0933910.81  767.41
34976.77  761.3535178.52  761.0135538.04  779.96 35580.4  780.1835893.63  773.19
36232.48  783.4736394.02  784.2837185.17     79037896.16  790.95 38254.7     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 15243.4     .1515870.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       15243.415870.33                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1487187.00   118442.60   1654786.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1487187.00   118442.60   1654786.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3158090.00   368222.30   3203688.00
  Top Width (ft)          32468.25    Top Width (ft)          13972.69     626.93   17868.63
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.12       3.11       1.94
  Max Chl Dpth (ft)         191.95    Hydr. Depth (ft)          106.44     188.92      92.61
  Conv. Total (cfs)       704553500.0    Conv. (cfs)            330615600.0   38548630.0   335389300.0
```

```
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13988.92     628.94   17880.78
  Min Ch El (ft)            568.04    Shear (lb/sq ft)            0.61       1.07       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.29       3.33       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    165318.40   25573.76   195122.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1525.13     125.91    1878.41


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276466.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  175.61  793.91  571.34  780.56 1203.68  762.38  1362.8  756.73
 1616.92  749.09 1765.95  748.56 2077.59  748.56 2375.08  748.17 3174.09  715.42
 3237.99  712.25  3319.2  711.44 3329.26   711.4 3508.69  719.22 3668.76  718.56
 3795.98  717.87 3932.58  714.45 4266.48   706.5 4673.41  697.86 4976.26  697.34
 5106.58  695.97 5248.38  693.27 5309.39  691.29 5632.57  688.43 5943.93  686.71
 6069.53  687.12 6265.74  684.24 6414.14   682.8 6477.62  681.36 6521.32  681.36
 6655.41  682.37 6849.36  692.38 6905.51  689.23 7020.93  683.33 7344.94  664.16
 7387.64  662.46 7525.49  651.43 7786.84  624.27 7799.39  622.74 7953.37  618.75
 8077.04  617.68 8303.76   618.6 8459.58  617.25 8622.82  612.96 8788.84  610.75
 8917.45  593.03 8932.81  592.96 9012.78  590.08 9162.83  585.76 9213.94  585.76
 9251.41  587.07 9364.46  616.72 9460.45  620.08 9806.29  618.85 9947.34  609.79
 9997.12  601.0610186.92  600.3910411.98  616.7110679.79  615.7611246.19  614.32
12550.59  614.3212765.28  605.7613317.18  605.7613741.76   607.213795.35  608.64
14057.58   607.6 14063.8  599.0214158.93  597.9514746.76  587.9415247.19  582.88
15271.76  579.9715358.26  574.7815380.58     572 15415.7  568.0415784.98  568.04
15831.27  573.6215875.65  582.8815966.26  609.7515985.67  612.5316229.23  644.75
16678.82  649.9817123.52  653.9919280.86   652.819398.59   652.819633.06  653.01
19990.59  644.7720998.32  645.6821261.28  647.1222973.24  648.5623363.89  649.24
23796.21  652.7924460.75  659.9624689.57  661.4425828.12  661.4426477.18  652.88
26756.93  652.8827343.35  651.4427586.18   650.627761.44  651.3627904.47  651.04
 28056.3  652.2228356.67     65628685.34  658.9229807.14  685.8230485.75  686.55
31474.59  747.5531620.36  747.71 32250.7  697.0332286.15  697.07 33914.2  767.32
34980.05  761.2835181.78  760.9435541.27  779.8935583.62  780.1135896.82  773.14
36235.63  783.4236397.15  784.2437188.21     79037899.13  790.9638257.64     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515247.19    .1515875.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15247.1915875.65                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1487253.00   118724.10   1655039.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1487253.00   118724.10   1655039.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3157151.00   369007.20   3203842.00
  Top Width (ft)          32473.24    Top Width (ft)          13976.15     628.46   17868.63
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.12       3.11       1.94
  Max Chl Dpth (ft)         191.95    Hydr. Depth (ft)          106.41     188.91      92.62
  Conv. Total (cfs)       704700300.0    Conv. (cfs)             330586200.0   38638860.0   335475200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13992.35     630.47   17880.75
  Min Ch El (ft)            568.04    Shear (lb/sq ft)            0.61       1.07       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.28       3.33       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    165147.70   25560.14   194932.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1523.53     125.84    1876.36


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276463.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  175.65  793.91  571.48  780.54 1203.98  762.38 1363.14  756.72
 1617.32  749.09 1766.39  748.55 2078.11  748.55 2375.67  748.16 3174.88  715.43
  3238.8  712.26 3320.02  711.45 3330.09  711.41 3509.56  719.21 3669.67  718.55
 3796.93  717.85 3933.56  714.44 4267.54  706.48 4674.58  697.85  4977.5  697.32
 5107.85  695.95 5249.69  693.25 5310.71  691.26 5633.97   688.4  5945.4  686.68
 6071.04   687.1  6267.3   684.2 6415.74  682.75 6479.24   681.3 6522.94   681.3
 6657.07  682.31 6851.06  692.33 6907.23  689.18 7022.68   683.3 7346.76  664.16
 7389.48  662.48 7527.36  651.49 7788.77  624.35 7801.33  622.83 7955.35  618.82
 8079.05  617.75 8305.82  618.69 8461.68  617.35 8624.96  613.03 8791.02  610.82
 8919.66  593.12 8935.03  593.05 9015.02  590.15 9165.11   585.8 9216.23   585.8
 9253.71  587.12 9366.79  616.76  9462.8  620.15 9808.72  618.92 9949.81  609.86
 9999.61  601.1410189.46  600.4610414.57  616.7610682.45   615.811248.98  614.35
12553.72  614.3512768.46   605.813320.49   605.813745.18  607.2513798.79   608.7
14061.07  607.65 14067.3  599.0814162.45  598.0114750.43  587.9715250.99   582.9
15275.69  579.9815362.67   574.815385.11  572.0115420.43  568.0415789.96  568.04
15836.42  573.6115880.96   582.915971.57  609.7415990.98  612.5216234.51  644.71
16684.05  649.9517128.71  653.9519285.82  652.7519403.53  652.7519637.98  652.96
19995.46  644.7421003.09  645.6521266.02   647.1 22977.8  648.5523368.41  649.24
23800.68  652.7924465.15  659.9724693.95  661.4525832.38  661.4526481.37   652.9
26761.09   652.927347.45  651.4527590.25  650.6127765.49  651.3627908.51  651.03
28060.32  652.2128360.65  655.9928689.29  658.9129810.98  685.7930489.51  686.53
31478.25  747.46   31624  747.6232254.27  697.0132289.72  697.05 33917.6  767.23
34983.34  761.2135185.04  760.8835544.49  779.8235586.84  780.0435900.01  773.09
36238.78  783.3736400.28   784.237191.27     79037902.11  790.9638260.57     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515250.99    .1515880.96     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15250.9915880.96                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
```

```
  W.S. Elev (ft)            759.99    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1487333.00   119002.10   1655269.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1487333.00   119002.10   1655269.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3156271.00   369784.80   3203944.00
  Top Width (ft)          32478.36    Top Width (ft)          13979.74     629.97   17868.65
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.12       3.11       1.94
  Max Chl Dpth (ft)         191.95    Hydr. Depth (ft)          106.39     188.90      92.64
  Conv. Total (cfs)       704840700.0    Conv. (cfs)            330559900.0   38727990.0   335552800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13995.92     631.98   17880.75
  Min Ch El (ft)            568.04    Shear (lb/sq ft)            0.60       1.07       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.28       3.33       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    164976.90   25546.50   194742.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1521.92     125.77    1874.31


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276461.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  175.69   793.9  571.62  780.53 1204.28  762.37 1363.48  756.71
 1617.73  749.08 1766.83  748.54 2078.62  748.54 2376.26  748.14 3175.67  715.45
  3239.6  712.28 3320.85  711.46 3330.92  711.42 3510.44  719.21 3670.58  718.54
 3797.87  717.84 3934.54  714.42  4268.6  706.46 4675.74  697.83 4978.74  697.31
 5109.12  695.93    5251  693.22 5312.03  691.22 5635.38  688.37 5946.88  686.66
 6072.55  687.08 6268.86  684.16 6417.33   682.7 6480.85  681.24 6524.56  681.24
 6658.72  682.26 6852.77  692.27 6908.94  689.14 7024.42  683.27 7348.59  664.17
 7391.32   662.5 7529.23  651.55 7790.71  624.44 7803.27  622.92 7957.33  618.89
 8081.06  617.82 8307.89  618.79 8463.79  617.44 8627.11  613.11 8793.21   610.9
 8921.88  593.21 8937.25  593.14 9017.26  590.22 9167.38  585.84 9218.53  585.84
 9256.01  587.17 9369.12  616.81 9465.16  620.22 9811.16  618.98 9952.29  609.93
 10002.1  601.2110191.99  600.5310417.16   616.810685.11  615.8411251.78  614.38
12556.84  614.3812771.63  605.84 13323.8  605.84 13748.6   607.313802.22  608.76
14064.57  607.71 14070.8  599.1414165.98  598.0714754.09  587.9915254.78  582.92
15279.62  579.9915367.09  574.8215389.65  572.0215425.16  568.0415794.93  568.04
15841.57  573.6115886.28  582.9215976.87  609.7415996.28  612.5216239.79  644.67
16689.28  649.9117133.89  653.9119290.77   652.719408.47   652.7 19642.9  652.91
20000.34   644.721007.87  645.6221270.76  647.0822982.36  648.5423372.93  649.23
23805.16  652.7824469.55  659.9924698.33  661.4625836.64  661.4626485.55  652.92
26765.25  652.9227351.54  651.4627594.32  650.6127769.54  651.3627912.54  651.01
28064.34  652.1928364.64  655.9928693.24   658.929814.81  685.7630493.27  686.51
31481.91  747.3831627.64  747.5432257.85  696.9932293.29  697.03   33921  767.15
34986.62  761.14 35188.3  760.8235547.72  779.7535590.06  779.9735903.19  773.04
36241.93  783.3336403.41  784.1637194.31     79037905.08  790.9738263.51     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515254.78     .1515886.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15254.7815886.28                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1487416.00   119283.20   1655497.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1487416.00   119283.20   1655497.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3155369.00   370569.70   3204062.00
  Top Width (ft)          32483.42    Top Width (ft)          13983.48     631.50   17868.45
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.12       3.11       1.94
  Max Chl Dpth (ft)         191.95    Hydr. Depth (ft)          106.37     188.89      92.65
  Conv. Total (cfs)       704982600.0    Conv. (cfs)            330532000.0   38818000.0   335632600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        13999.64     633.51   17880.53
  Min Ch El (ft)            568.04    Shear (lb/sq ft)            0.60       1.07       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.28       3.33       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    164806.20   25532.82   194552.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1520.32     125.69    1872.26


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276458.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  175.74   793.9  571.76  780.52 1204.58  762.37 1363.82   756.7
 1618.13  749.07 1767.27  748.53 2079.14  748.53 2376.85  748.13 3176.46  715.47
 3240.41  712.29 3321.67  711.47 3331.75  711.43 3511.31   719.2  3671.5  718.53
 3798.81  717.82 3935.51   714.4 4269.66  706.44  4676.9  697.82 4979.98  697.29
 5110.39  695.91  5252.3  693.19 5313.36  691.18 5636.78  688.33 5948.36  686.64
 6074.06  687.06 6270.42  684.12 6418.93  682.65 6482.46  681.18 6526.19  681.18
 6660.38  682.21 6854.47  692.22 6910.66  689.09 7026.17  683.24 7350.42  664.18
 7393.16  662.51  7531.1   651.6 7792.65  624.53 7805.21  623.01 7959.31  618.96
 8083.07   617.9 8309.96  618.88 8465.89  617.54 8629.25  613.19  8795.4  610.97
  8924.1   593.3 8939.47  593.23  9019.5  590.29 9169.66  585.88 9220.82  585.88
 9258.31  587.22 9371.45  616.86 9467.51  620.29  9813.6  619.04 9954.76     610
10004.58  601.2910194.52   600.610419.75  616.8510687.76  615.8811254.58  614.41
12559.96  614.4112774.81  605.8813327.12  605.8813752.02  607.3513805.65  608.82
14068.07  607.76 14074.3   599.2 14169.5  598.1314757.76  588.0215258.57  582.94
15283.55     580 15371.5  574.8415394.19  572.03 15429.9  568.0415799.91  568.04
15846.72   573.6 15891.6  582.9415982.18  609.7416001.59  612.5216245.07  644.64
16694.51  649.8817139.08  653.8719295.72  652.6519413.41  652.6519647.82  652.87
20005.22  644.6621012.64  645.5921275.51  647.0622986.92  648.5323377.45  649.23
23809.63  652.7824473.96     66024702.71  661.47 25840.9  661.4726489.74  652.94
26769.41  652.9427355.64  651.4727598.39  650.62 27773.6  651.3627916.58     651
28068.36  652.1828368.63  655.98 28697.2  658.8929818.65  685.7330497.03  686.48
31485.56  747.2931631.28  747.4532261.42  696.9732296.87  697.0133924.39  767.06
34989.91  761.0735191.57  760.7635550.94  779.6835593.28   779.935906.38  772.99
36245.08  783.2836406.55  784.1237197.36     79037908.05  790.9838266.45     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515258.57     .15 15891.6     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15258.57 15891.6                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1487494.00   119564.60   1655732.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1487494.00   119564.60   1655732.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3154472.00   371355.50   3204173.00
  Top Width (ft)          32488.54    Top Width (ft)          13987.06     633.03   17868.46
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.12       3.11       1.94
  Max Chl Dpth (ft)         191.95    Hydr. Depth (ft)          106.35     188.88      92.66
  Conv. Total (cfs)       705125200.0    Conv. (cfs)            330504900.0   38908190.0   335712200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14003.20     635.04   17880.52
  Min Ch El (ft)            568.04    Shear (lb/sq ft)            0.60       1.07       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.28       3.33       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    164635.50   25519.12   194362.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1518.71     125.62    1870.21


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276455.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  175.78  793.89  571.91  780.51 1204.88  762.37 1364.16   756.7
 1618.53  749.07 1767.71  748.52 2079.66  748.52 2377.44  748.12 3177.25  715.48
 3241.21  712.31  3322.5  711.48 3332.58  711.44 3512.18   719.2 3672.41  718.52
 3799.76  717.81 3936.49  714.39 4270.72  706.42 4678.06   697.8 4981.21  697.27
 5111.66  695.89 5253.61  693.16 5314.68  691.15 5638.18   688.3 5949.84  686.61
 6075.57  687.04 6271.98  684.08 6420.52   682.6 6484.07  681.12 6527.81  681.12
 6662.04  682.15 6856.18  692.17 6912.38  689.05 7027.92  683.22 7352.24  664.18
 7394.99  662.53 7532.98  651.66 7794.58  624.62 7807.15   623.1 7961.29  619.03
 8085.08  617.97 8312.02  618.98    8468  617.64  8631.4  613.27 8797.58  611.05
 8926.32  593.39  8941.7  593.32 9021.75  590.36 9171.94  585.92 9223.11  585.92
 9260.61  587.27 9373.78   616.9 9469.86  620.36 9816.04   619.1 9957.24  610.07
10007.07  601.3710197.06  600.6710422.34   616.910690.42  615.9211257.38  614.44
12563.08  614.4412777.99  605.9213330.43  605.9213755.44   607.413809.08  608.88
14071.57  607.8114077.79  599.2714173.02   598.214761.43  588.0415262.36  582.96
15287.48  580.0115375.91  574.8515398.73  572.0415434.63  568.0415804.89  568.04
15851.87   573.615896.92  582.9615987.49  609.7416006.89  612.5216250.35   644.6
16699.74  649.8417144.26  653.8319300.68   652.619418.35   652.619652.73  652.82
 20010.1  644.6321017.41  645.5621280.25  647.0422991.48  648.5223381.97  649.22
23814.11  652.7824478.36  660.0124707.09  661.4825845.16  661.4826493.93  652.96
26773.56  652.9627359.74  651.4827602.46  650.6227777.65  651.3627920.62  650.99
28072.38  652.1628372.62  655.9728701.15  658.8929822.48   685.730500.79  686.46
31489.22   747.231634.92  747.3732264.99  696.9532300.44  696.9933927.79  766.97
34993.19     76135194.83  760.6935554.16  779.61 35596.5  779.8335909.57  772.95
36248.23  783.2436409.68  784.0837200.41     79037911.03  790.9838269.38     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515262.36     .1515896.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15262.3615896.92                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1487565.00   119846.20   1655960.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1487565.00   119846.20   1655960.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3153581.00   372144.30   3204275.00
  Top Width (ft)          32493.54    Top Width (ft)          13990.52     634.56   17868.47
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.12       3.11       1.93
  Max Chl Dpth (ft)         191.95    Hydr. Depth (ft)          106.33     188.87      92.67
  Conv. Total (cfs)       705264800.0    Conv. (cfs)            330476900.0   38998550.0   335789300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14006.63     636.57   17880.51
  Min Ch El (ft)            568.04    Shear (lb/sq ft)            0.60       1.07       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.28       3.32       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    164464.70   25505.38   194172.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1517.11     125.55    1868.16


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276452.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  175.82  793.89  572.05   780.5 1205.18  762.36 1364.49  756.69
 1618.93  749.06 1768.15  748.51 2080.17  748.51 2378.04  748.11 3178.04   715.5
 3242.02  712.32 3323.32  711.49  3333.4  711.45 3513.05  719.19 3673.32  718.51
  3800.7  717.79 3937.47  714.37 4271.78   706.4 4679.23  697.79 4982.45  697.25
 5112.93  695.87 5254.91  693.14    5316  691.11 5639.58  688.27 5951.32  686.59
 6077.08  687.02 6273.54  684.04 6422.12  682.55 6485.68  681.06 6529.43  681.06
 6663.69   682.1 6857.88  692.11  6914.1     689 7029.66  683.19 7354.07  664.19
 7396.83  662.55 7534.85  651.72 7796.52  624.71 7809.09  623.19 7963.26  619.11
 8087.08  618.04 8314.09  619.07  8470.1  617.73 8633.54  613.35 8799.77  611.12
 8928.54  593.48 8943.92  593.41 9023.99  590.43 9174.22  585.96  9225.4  585.96
 9262.92  587.32 9376.11  616.95 9472.22  620.43 9818.48  619.16 9959.71  610.14
10009.56  601.4410199.59  600.7510424.93  616.9410693.08  615.9611260.17  614.47
 12566.2  614.4712781.16  605.9613333.74  605.9613758.86  607.4513812.51  608.94
14075.06  607.8714081.29  599.3314176.54  598.26 14765.1  588.0715266.16  582.98
15291.41  580.0315380.33  574.8715403.27  572.0515439.37  568.0415809.87  568.04
15857.02  573.5915902.23  582.98 15992.8  609.74 16012.2  612.5116255.63  644.56
16704.97  649.8117149.45  653.7919305.63  652.55 19423.3  652.5519657.65  652.77
20014.98  644.5921022.18  645.53   21285  647.0222996.04  648.5123386.49  649.22
23818.58  652.7824482.76  660.0224711.47  661.4925849.41  661.4926498.12  652.98
26777.72  652.9827363.84  651.4927606.54  650.62 27781.7  651.3627924.65  650.97
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 28076.4  652.1528376.61  655.9728705.11  658.8829826.32  685.6730504.56  686.43
31492.88  747.1231638.56  747.2832268.57  696.9332304.01  696.9733931.19  766.88
34996.47  760.9235198.09  760.6335557.39  779.5435599.72  779.7635912.75   772.9
36251.38  783.1936412.81  784.0437203.46     790   37914  790.9938272.32     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515266.16     .1515902.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15266.1615902.23                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.05    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1487640.00   120123.60   1656199.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1487640.00   120123.60   1656199.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3152667.00   372918.10   3204415.00
  Top Width (ft)          32498.85    Top Width (ft)          13994.28     636.07   17868.50
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.12       3.10       1.93
  Max Chl Dpth (ft)         191.95    Hydr. Depth (ft)          106.30     188.85      92.69
  Conv. Total (cfs)       705403600.0    Conv. (cfs)            330446200.0   39087330.0   335870100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14010.37     638.08   17880.52
  Min Ch El (ft)            568.04    Shear (lb/sq ft)            0.60       1.07       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.28       3.32       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    164294.00   25491.61   193982.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1515.50     125.48    1866.11


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276449.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  175.87  793.88  572.19  780.48 1205.48  762.36 1364.83  756.68
 1619.34  749.05 1768.59   748.5 2080.69   748.5 2378.63  748.09 3178.83  715.52
 3242.83  712.34 3324.15   711.5 3334.23  711.46 3513.93  719.19 3674.23   718.5
 3801.65  717.78 3938.45  714.35 4272.84  706.38 4680.39  697.77 4983.69  697.23
  5114.2  695.86 5256.22  693.11 5317.32  691.07 5640.98  688.23  5952.8  686.57
 6078.59     687  6275.1     684 6423.72   682.5 6487.29     681 6531.05     681
 6665.35  682.05 6859.58  692.06 6915.82  688.95 7031.41  683.16  7355.9   664.2
 7398.67  662.56 7536.72  651.77 7798.46   624.8 7811.03  623.27 7965.24  619.18
 8089.09  618.11 8316.15  619.17 8472.21  617.83 8635.69  613.43 8801.96   611.2
 8930.75  593.57 8946.14   593.5 9026.23   590.5  9176.5     586 9227.69     586
 9265.22  587.37 9378.44     617 9474.57   620.5 9820.92  619.22 9962.19   610.2
10012.04  601.5210202.13  600.8210427.52  616.9910695.74     61611262.97   614.5
12569.33   614.512784.34     60613337.06     60613762.28   607.513815.94     609
14078.56  607.9214084.79  599.3914180.07  598.3214768.77  588.0915269.95     583
15295.34  580.0415384.74  574.89 15407.8  572.06 15444.1  568.0415814.85  568.04
15862.18  573.5915907.55     583 15998.1  609.74 16017.5  612.5116260.91  644.53
16710.21  649.7717154.63  653.7419310.59   652.519428.24   652.519662.57  652.72
20019.86  644.5621026.95   645.521289.74     64723000.61   648.523391.01  649.21
23823.05  652.7724487.17  660.0324715.85   661.525853.67   661.526502.31     653
26781.88     65327367.93   651.527610.61  650.6327785.75  651.3627928.69  650.96
28080.43  652.14 28380.6  655.9628709.06  658.8729830.15  685.6430508.32  686.41
31496.53  747.0331642.21   747.232272.14  696.9132307.58  696.9533934.59  766.79
34999.76  760.8535201.35  760.5735560.61  779.4735602.94  779.6935915.94  772.85
36254.53  783.1536415.95     78437206.51     79037916.97     79138275.25     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515269.95     .1515907.55     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15269.9515907.55                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.05    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1487727.00   120404.60   1656444.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1487727.00   120404.60   1656444.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3151774.00   373697.80   3204528.00
  Top Width (ft)          32503.97    Top Width (ft)          13997.85     637.60   17868.52
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.12       3.10       1.93
  Max Chl Dpth (ft)         191.95    Hydr. Depth (ft)          106.28     188.84      92.70
  Conv. Total (cfs)       705552500.0    Conv. (cfs)            330422300.0   39177320.0   335952900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14013.92     639.60   17880.52
  Min Ch El (ft)            568.04    Shear (lb/sq ft)            0.60       1.07       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.28       3.32       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    164123.20   25477.80   193792.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1513.90     125.40    1864.05


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276446.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  175.91  793.88  572.33  780.47 1205.78  762.36 1365.17  756.67
 1619.74  749.05 1769.03  748.49 2081.21  748.49 2379.22  748.08 3179.62  715.53
 3243.63  712.36 3324.98  711.51 3335.06  711.47  3514.8  719.18 3675.15  718.49
 3802.59  717.76 3939.43  714.34 4273.91  706.36 4681.55  697.76 4984.93  697.21
 5115.47  695.84 5257.52  693.08 5318.64  691.04 5642.38   688.2 5954.28  686.55
  6080.1  686.98 6276.65  683.96 6425.31  682.45  6488.9  680.94 6532.68  680.94
    6667  681.99 6861.29  692.01 6917.53  688.91 7033.16  683.14 7357.73   664.2
 7400.51  662.58 7538.59  651.83  7800.4  624.88 7812.98  623.36 7967.22  619.25
  8091.1  618.19 8318.22  619.26 8474.31  617.93 8637.83   613.5 8804.14  611.27
 8932.97  593.66 8948.36  593.59 9028.47  590.57 9178.78  586.04 9229.99  586.04
 9267.52  587.42 9380.76  617.04 9476.92  620.57 9823.36  619.29 9964.66  610.27
10014.53   601.610204.66  600.8910430.11  617.0310698.39  616.0411265.77  614.53
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12572.45  614.5312787.51  606.0413340.37  606.0413765.69  607.5513819.38  609.06
14082.06  607.9714088.29  599.4614183.59  598.3814772.44  588.1215273.74  583.02
15299.27  580.0515389.15  574.9115412.34  572.0715448.83  568.0315819.83  568.03
15867.33  573.5915912.87  583.0216003.41  609.7316022.81  612.5116266.18  644.49
16715.44  649.7417159.81   653.719315.54  652.4519433.18  652.4519667.48  652.67
20024.74  644.5221031.72  645.4721294.48  646.9823005.17  648.4923395.53  649.21
23827.53  652.7724491.57  660.0424720.23  661.5125857.93  661.51 26506.5  653.02
26786.04  653.0227372.03  651.5127614.68  650.63 27789.8  651.3527932.73  650.95
28084.45  652.1228384.59  655.9528713.01  658.8629833.99  685.6130512.08  686.39
31500.19  746.9431645.85  747.1132275.72  696.8932311.15  696.9333937.98  766.71
35003.04  760.7835204.61   760.535563.84   779.435606.16  779.6335919.12   772.8
36257.68   783.136419.08  783.9637209.56     79037919.95     79138278.18     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515273.74     .1515912.87     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15273.7415912.87                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.05    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1487799.00   120689.80   1656676.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1487799.00   120689.80   1656676.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3150853.00   374499.80   3204648.00
  Top Width (ft)          32508.89    Top Width (ft)          14001.43     639.13   17868.32
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.12       3.10       1.93
  Max Chl Dpth (ft)         191.96    Hydr. Depth (ft)          106.26     188.83      92.72
  Conv. Total (cfs)       705696800.0    Conv. (cfs)            330393200.0   39269440.0   336034100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14017.47     641.14   17880.31
  Min Ch El (ft)            568.03    Shear (lb/sq ft)            0.60       1.07       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.28       3.32       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    163952.40   25463.96   193602.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1512.29     125.33    1862.00


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276443.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  175.96  793.88  572.47  780.46 1206.08  762.36 1365.51  756.66
 1620.14  749.04 1769.46  748.48 2081.72  748.48 2379.81  748.07 3180.41  715.55
 3244.44  712.37  3325.8  711.52 3335.89  711.48 3515.67  719.18 3676.06  718.48
 3803.54  717.75  3940.4  714.32 4274.97  706.35 4682.71  697.74 4986.17   697.2
 5116.74  695.82 5258.83  693.06 5319.96     691 5643.78  688.17 5955.76  686.52
 6081.61  686.96 6278.21  683.92 6426.91   682.4 6490.52  680.88  6534.3  680.88
 6668.66  681.94 6862.99  691.96 6919.25  688.86  7034.9  683.11 7359.55  664.21
 7402.35   662.6 7540.46  651.89 7802.33  624.97 7814.92  623.45  7969.2  619.32
 8093.11  618.26 8320.28  619.36 8476.41  618.02 8639.98  613.58 8806.33  611.35
 8935.19  593.76 8950.58  593.68 9030.71  590.64 9181.06  586.08 9232.28  586.08
 9269.82  587.47 9383.09  617.09 9479.28  620.64  9825.8  619.35 9967.13  610.34
10017.02  601.6710207.19  600.96 10432.7  617.0810701.05  616.0811268.57  614.56
12575.57  614.5612790.69  606.0813343.68  606.0813769.11   607.613822.81  609.12
14085.55  608.0214091.79  599.5214187.11  598.4414776.11  588.1515277.54  583.04
 15303.2  580.0615393.57  574.9215416.88  572.0815453.57  568.0315824.81  568.03
15872.48  573.5815918.18  583.0416008.72  609.7316028.11   612.516271.46  644.45
16720.67   649.7   17165  653.66 19320.5   652.419438.12   652.4 19672.4  652.62
20029.62  644.48 21036.5  645.4421299.23  646.9623009.73  648.4823400.05   649.2
   23832  652.7724495.97  660.0624724.61  661.5225862.19  661.5226510.69  653.04
 26790.2  653.0427376.12  651.5227618.75  650.6427793.86  651.3527936.77  650.94
28088.47  652.1128388.57  655.9428716.97  658.8629837.82  685.5830515.84  686.36
31503.85  746.8631649.49  747.0232279.29  696.8732314.72  696.9133941.38  766.62
35006.32  760.7135207.88  760.4435567.06  779.3335609.38  779.5635922.31  772.76
36260.83  783.0536422.21  783.9237212.61     79037922.92  791.0138281.12     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515277.54     .1515918.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15277.5415918.18                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.05    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1487868.00   120968.00   1656913.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1487868.00   120968.00   1656913.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3149944.00   375277.80   3204778.00
  Top Width (ft)          32514.02    Top Width (ft)          14005.02     640.64   17868.36
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.12       3.10       1.93
  Max Chl Dpth (ft)         191.95    Hydr. Depth (ft)          106.24     188.82      92.73
  Conv. Total (cfs)       705835300.0    Conv. (cfs)            330362800.0   39358740.0   336113700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14021.03     642.64   17880.32
  Min Ch El (ft)            568.03    Shear (lb/sq ft)            0.60       1.07       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.28       3.31       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    163781.70   25450.10   193412.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1510.68     125.26    1859.95


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276440.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800     176  793.87  572.62  780.45 1206.38  762.35 1365.85  756.66
 1620.54  749.04  1769.9  748.47 2082.24  748.47  2380.4  748.05  3181.2  715.57
 3245.24  712.39 3326.63  711.53 3336.72  711.49 3516.55  719.17 3676.97  718.47
 3804.48  717.73 3941.38   714.3 4276.03  706.33 4683.88  697.73  4987.4  697.18
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 5118.01   695.8 5260.14  693.03 5321.28  690.96 5645.18  688.14 5957.23   686.5
 6083.12  686.94 6279.77  683.88  6428.5  682.35 6492.13  680.82 6535.92  680.82
 6670.31  681.89  6864.7   691.9 6920.97  688.82 7036.65  683.08 7361.38  664.22
 7404.18  662.62 7542.34  651.94 7804.27  625.06 7816.86  623.54 7971.18  619.39
 8095.12  618.33 8322.35  619.45 8478.52  618.12 8642.12  613.66 8808.52  611.42
 8937.41  593.85 8952.81  593.77 9032.96  590.71 9183.34  586.12 9234.57  586.12
 9272.12  587.52 9385.42  617.14 9481.63  620.71 9828.24  619.41 9969.61  610.41
 10019.5  601.7510209.73  601.0410435.29  617.1310703.71  616.1211271.36  614.59
12578.69  614.5912793.86  606.1213346.99  606.1213772.53  607.6513826.24  609.18
14089.05  608.0814095.29  599.5814190.63   598.514779.77  588.1715281.33  583.06
15307.13  580.0715397.98  574.9415421.42  572.09 15458.3  568.0315829.79  568.03
15877.63  573.58 15923.5  583.0616014.03  609.7316033.42   612.516276.74  644.42
 16725.9  649.6717170.18  653.6219325.45  652.3519443.06  652.3519677.32  652.57
 20034.5  644.4521041.27  645.4121303.97  646.9423014.29  648.4723404.57   649.2
23836.48  652.7624500.38  660.0724728.98  661.5325866.45  661.5326514.88  653.06
26794.36  653.0627380.22  651.5327622.82  650.6427797.91  651.35 27940.8  650.92
28092.49  652.0928392.56  655.9428720.92  658.8529841.65  685.5630519.61  686.34
 31507.5  746.7731653.13  746.9432282.87  696.8532318.29  696.8933944.78  766.53
35009.61  760.6435211.14  760.3835570.29  779.26 35612.6  779.49 35925.5  772.71
36263.98  783.0136425.34  783.8837215.66     79037925.89  791.0238284.05     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515281.33     .15 15923.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15281.33 15923.5                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.05    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1487946.00   121249.00   1657130.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1487946.00   121249.00   1657130.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3149075.00   376063.20   3204862.00
  Top Width (ft)          32519.21    Top Width (ft)          14008.65     642.17   17868.40
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.12       3.10       1.93
  Max Chl Dpth (ft)         191.95    Hydr. Depth (ft)          106.22     188.81      92.74
  Conv. Total (cfs)       705970900.0    Conv. (cfs)            330335100.0   39448680.0   336187100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14024.64     644.17   17880.34
  Min Ch El (ft)            568.03    Shear (lb/sq ft)            0.60       1.07       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.27       3.31       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    163610.90   25436.20   193222.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1509.07     125.18    1857.90


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276437.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  176.04  793.87  572.76  780.43 1206.68  762.35 1366.19  756.65
 1620.94  749.03 1770.34  748.46 2082.76  748.46 2380.99  748.04 3181.99  715.59
 3246.05   712.4 3327.45  711.54 3337.54   711.5 3517.42  719.17 3677.88  718.46
 3805.42  717.72 3942.36  714.29 4277.09  706.31 4685.04  697.71 4988.64  697.16
 5119.28  695.78 5261.44    693  5322.6  690.93 5646.59   688.1 5958.71  686.48
 6084.63  686.92 6281.33  683.84  6430.1   682.3 6493.74  680.76 6537.54  680.76
 6671.97  681.84  6866.4  691.85 6922.69  688.77  7038.4  683.05 7363.21  664.22
 7406.02  662.63 7544.21    652 7806.21  625.15  7818.8  623.63 7973.16  619.46
 8097.13  618.41 8324.42  619.55 8480.62  618.22 8644.27  613.74  8810.7   611.5
 8939.63  593.94 8955.03  593.86  9035.2  590.78 9185.62  586.16 9236.86  586.16
 9274.42  587.56 9387.75  617.18 9483.98  620.78 9830.68  619.47 9972.08  610.48
10021.99  601.8310212.26  601.1110437.88  617.1710706.36  616.1611274.16  614.62
12581.81  614.6212797.04  606.1613350.31  606.1613775.95   607.713829.67  609.24
14092.55  608.1314098.79  599.6414194.15  598.5614783.44   588.215285.12  583.08
15311.06  580.0815402.39  574.9615425.96   572.115463.04  568.0315834.77  568.03
15882.78  573.5715928.82  583.0816019.33  609.7316038.72   612.516282.02  644.38
16731.13  649.6317175.37  653.5819330.41   652.319448.01   652.319682.24  652.53
20039.38  644.4121046.04  645.3821308.71  646.9223018.85  648.4623409.09  649.19
23840.95  652.7624504.78  660.0824733.36  661.54 25870.7  661.5426519.06  653.08
26798.52  653.0827384.32  651.5427626.89  650.6527801.96  651.3527944.84  650.91
28096.51  652.0828396.55  655.9328724.88  658.8429845.49  685.5330523.37  686.32
31511.16  746.6831656.77  746.8532286.44  696.8332321.86  696.8733948.18  766.44
35012.89  760.57 35214.4  760.3235573.51  779.1935615.82  779.4235928.68  772.66
36267.13  782.9636428.48  783.84 37218.7     79037928.87  791.0238286.99     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515285.12     .1515928.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15285.1215928.82                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.05    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1488019.00   121530.40   1657369.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1488019.00   121530.40   1657369.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3148167.00   376846.60   3204987.00
  Top Width (ft)          32524.36    Top Width (ft)          14012.22     643.70   17868.43
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.12       3.10       1.93
  Max Chl Dpth (ft)         191.95    Hydr. Depth (ft)          106.19     188.80      92.75
  Conv. Total (cfs)       706113000.0    Conv. (cfs)            330306300.0   39538820.0   336267800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14028.19     645.70   17880.36
  Min Ch El (ft)            568.03    Shear (lb/sq ft)            0.60       1.07       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.27       3.31       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    163440.10   25422.26   193031.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1507.47     125.11    1855.85


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276434.*
```

```
INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  176.09  793.86   572.9  780.41 1206.98  762.35 1366.53  756.64
 1621.35  749.02 1770.78  748.45 2083.27  748.45 2381.58  748.03 3182.78   715.6
 3246.85  712.42 3328.28  711.55 3338.37  711.51 3518.29  719.16  3678.8  718.45
 3806.37   717.7 3943.34  714.27 4278.15  706.29  4686.2   697.7 4989.88  697.14
 5120.55  695.76 5262.75  692.97 5323.92  690.89 5647.99  688.07 5960.19  686.45
 6086.14   686.9 6282.89   683.8 6431.69  682.25 6495.35   680.7 6539.17   680.7
 6673.63  681.78  6868.1   691.8 6924.41  688.72 7040.14  683.03 7365.03  664.23
 7407.86  662.65 7546.08  652.06 7808.14  625.24 7820.74  623.72 7975.14  619.53
 8099.14  618.48 8326.48  619.64 8482.73  618.31 8646.41  613.82 8812.89  611.57
 8941.85  594.03 8957.25  593.95 9037.44  590.85  9187.9   586.2 9239.15   586.2
 9276.72  587.61 9390.08  617.23 9486.34  620.85 9833.12  619.53 9974.56  610.54
10024.48   601.9 10214.8  601.1810440.47  617.2210709.02   616.211276.96  614.65
12584.94  614.6512800.22   606.213353.62   606.213779.37  607.75 13833.1   609.3
14096.04  608.1814102.29  599.7114197.68  598.6214787.11  588.2215288.92   583.1
15314.99   580.115406.81  574.9815430.49  572.1115467.77  568.0315839.75  568.03
15887.93  573.5715934.13   583.116024.64  609.7316044.03   612.5 16287.3  644.34
16736.36   649.617180.55  653.5419335.36  652.2519452.95  652.2519687.15  652.48
20044.26  644.3721050.81  645.3521313.46   646.923023.41  648.4523413.61  649.19
23845.42  652.7624509.18  660.0924737.74  661.5525874.96  661.5526523.25   653.1
26802.68   653.127388.41  651.5527630.96  650.6527806.01  651.3527948.88   650.9
28100.53  652.0628400.54  655.9228728.83  658.8329849.32   685.530527.13  686.29
31514.82   746.631660.41  746.7732290.02  696.8132325.43  696.8533951.57  766.35
35016.18  760.4935217.66  760.2535576.73  779.1235619.04  779.3535931.87  772.61
36270.28  782.9236431.61   783.837221.75     79037931.84  791.0338289.93     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515288.92     .1515934.13     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15288.9215934.13                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.05    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1488107.00   121807.00   1657607.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1488107.00   121807.00   1657607.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3147297.00   377611.80   3205091.00
  Top Width (ft)          32529.50    Top Width (ft)          14015.81     645.21   17868.48
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.11       3.10       1.93
  Max Chl Dpth (ft)         191.95    Hydr. Depth (ft)          106.17     188.79      92.77
  Conv. Total (cfs)       706258200.0    Conv. (cfs)            330282900.0   39627260.0   336348000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14031.75     647.21   17880.38
  Min Ch El (ft)            568.03    Shear (lb/sq ft)            0.60       1.07       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.27       3.31       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    163269.30   25408.30   192841.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1505.86     125.03    1853.80


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276431.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  176.13  793.86  573.04  780.41 1207.28  762.35 1366.87  756.63
 1621.75  749.02 1771.22  748.44 2083.79  748.44 2382.17  748.02 3183.57  715.62
 3247.66  712.43  3329.1  711.56  3339.2  711.52 3519.16  719.15 3679.71  718.44
 3807.31  717.69 3944.32  714.25 4279.21  706.27 4687.36  697.68 4991.12  697.12
 5121.82  695.74 5264.05  692.95 5325.24  690.85 5649.39  688.04 5961.67  686.43
 6087.65  686.88 6284.45  683.76 6433.29   682.2 6496.96  680.64 6540.79  680.64
 6675.28  681.73 6869.81  691.74 6926.12  688.68 7041.89     683 7366.86  664.24
  7409.7  662.67 7547.95  652.11 7810.08  625.33 7822.68   623.8 7977.11  619.61
 8101.15  618.55 8328.55  619.74 8484.83  618.41 8648.56   613.9 8815.07  611.64
 8944.07  594.12 8959.47  594.04 9039.68  590.92 9190.18  586.24 9241.45  586.24
 9279.03  587.66 9392.41  617.28 9488.69  620.92 9835.56  619.59 9977.03  610.61
10026.96  601.9810217.33  601.2510443.06  617.2710711.68  616.2411279.76  614.68
12588.06  614.6812803.39  606.2413356.93  606.2413782.79   607.813836.54  609.36
14099.54  608.2314105.78  599.77 14201.2  598.6814790.78  588.2515292.71  583.12
15318.92  580.1115411.22     57515435.03  572.12 15472.5  568.0315844.72  568.03
15893.08  573.5715939.45  583.1216029.95  609.7216049.33  612.4916292.58  644.31
 16741.6  649.5617185.73  653.4919340.32   652.219457.89   652.219692.07  652.43
20049.13  644.3421055.58  645.32 21318.2  646.8823027.97  648.4423418.13  649.18
 23849.9  652.7524513.59   660.124742.12  661.5625879.22  661.5626527.44  653.12
26806.84  653.1227392.51  651.5627635.03  650.6527810.06  651.3527952.91  650.88
28104.55  652.0528404.53  655.9228732.78  658.8329853.16  685.4730530.89  686.27
31518.47  746.5131664.05  746.6832293.59  696.79   32329  696.8333954.97  766.26
35019.46  760.4235220.93  760.1935579.96  779.0535622.25  779.2835935.05  772.57
36273.43  782.8736434.75  783.76 37224.8     79037934.81  791.0438292.86     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515292.71     .1515939.45     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15292.7115939.45                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.05    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1488178.00   122087.90   1657852.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1488178.00   122087.90   1657852.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3146380.00   378391.60   3205229.00
  Top Width (ft)          32534.64    Top Width (ft)          14019.39     646.74   17868.52
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.11       3.10       1.93
  Max Chl Dpth (ft)         191.95    Hydr. Depth (ft)          106.15     188.77      92.78
  Conv. Total (cfs)       706401300.0    Conv. (cfs)            330253600.0   39717140.0   336430600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14035.30     648.74   17880.40
  Min Ch El (ft)            568.03    Shear (lb/sq ft)            0.60       1.07       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.27       3.31       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    163098.50   25394.30   192651.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1504.25     124.96    1851.75
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CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276428.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  176.17  793.85  573.18   780.4 1207.57  762.34 1367.21  756.62
 1622.15  749.01 1771.66  748.43 2084.31  748.43 2382.76     748 3184.36  715.64
 3248.46  712.45 3329.93  711.57 3340.03  711.52 3520.04  719.15 3680.62  718.43
 3808.26  717.67  3945.3  714.24 4280.27  706.25 4688.53  697.67 4992.35   697.1
  5123.1  695.72 5265.36  692.92 5326.56  690.82 5650.79     688 5963.15  686.41
 6089.16  686.86 6286.01  683.72 6434.89  682.15 6498.57  680.58 6542.41  680.58
 6676.94  681.68 6871.51  691.69 6927.84  688.63 7043.64  682.97 7368.69  664.25
 7411.54  662.68 7549.83  652.17 7812.02  625.42 7824.62  623.89 7979.09  619.68
 8103.16  618.62 8330.61  619.83 8486.94  618.51  8650.7  613.97 8817.26  611.72
 8946.28  594.21  8961.7  594.13 9041.92  590.99 9192.46  586.28 9243.74  586.28
 9281.33  587.71 9394.74  617.32 9491.04  620.99    9838  619.65 9979.51  610.68
10029.45  602.0610219.87  601.3210445.66  617.3110714.33  616.2811282.56  614.71
12591.18  614.7112806.57  606.2813360.25  606.2813786.21  607.8513839.97  609.42
14103.04  608.2914109.28  599.8314204.72  598.7414794.45  588.27 15296.5  583.14
15322.85  580.1215415.63  575.0115439.57  572.1315477.24  568.03 15849.7  568.03
15898.24  573.5615944.77  583.1416035.25  609.7216054.64  612.4916297.86  644.27
16746.83  649.5317190.92  653.4519345.27  652.1519462.83  652.1519696.99  652.38
20054.01   644.321060.36  645.2921322.95  646.8623032.54  648.4323422.65  649.18
23854.37  652.7524517.99  660.11 24746.5  661.5725883.48  661.5726531.63  653.14
   26811  653.1427396.61  651.57 27639.1  650.6627814.12  651.3427956.95  650.87
28108.57  652.0428408.52  655.9128736.74  658.8229856.99  685.4430534.65  686.24
31522.13  746.43 31667.7   746.632297.16  696.7732332.57  696.8133958.37  766.18
35022.74  760.3535224.19  760.1335583.18  778.9835625.47  779.2135938.24  772.52
36276.58  782.8336437.88  783.7237227.85     79037937.79  791.04 38295.8     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 15296.5     .1515944.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       15296.515944.77                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.05    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1488262.00   122369.70   1658079.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1488262.00   122369.70   1658079.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3145485.00   379176.80   3205338.00
  Top Width (ft)          32539.75    Top Width (ft)          14023.13     648.27   17868.35
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.11       3.10       1.93
  Max Chl Dpth (ft)         191.95    Hydr. Depth (ft)          106.13     188.76      92.79
  Conv. Total (cfs)       706543200.0    Conv. (cfs)            330226000.0   39807550.0   336509600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14039.04     650.27   17880.22
  Min Ch El (ft)            568.03    Shear (lb/sq ft)            0.60       1.07       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.27       3.30       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    162927.60   25380.27   192461.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1502.64     124.89    1849.70


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276426.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  176.22  793.85  573.33  780.38 1207.87  762.34 1367.55  756.62
 1622.55     749  1772.1  748.42 2084.82  748.42 2383.35  747.99 3185.15  715.65
 3249.27  712.46 3330.76  711.58 3340.86  711.53 3520.91  719.14 3681.53  718.42
  3809.2  717.66 3946.27  714.22 4281.34  706.23 4689.69  697.65 4993.59  697.09
 5124.37  695.71 5266.66  692.89 5327.88  690.78 5652.19  687.97 5964.63  686.39
 6090.67  686.84 6287.57  683.68 6436.48   682.1 6500.18  680.52 6544.03  680.52
 6678.59  681.62 6873.22  691.64 6929.56  688.59 7045.38  682.95 7370.52  664.25
 7413.37   662.7  7551.7  652.23 7813.95   625.5 7826.56  623.98 7981.07  619.75
 8105.17   618.7 8332.68  619.93 8489.04   618.6 8652.85  614.05 8819.45  611.79
  8948.5   594.3 8963.92  594.22 9044.17  591.06 9194.74  586.32 9246.03  586.32
 9283.63  587.76 9397.07  617.37  9493.4  621.06 9840.44  619.72 9981.98  610.75
10031.94  602.13 10222.4   601.410448.25  617.3610716.99  616.3211285.35  614.74
 12594.3  614.7412809.74  606.3213363.56  606.3213789.62   607.9 13843.4  609.48
14106.54  608.3414112.78  599.8914208.24   598.814798.12   588.315300.29  583.16
15326.78  580.1315420.04  575.0315444.11  572.1415481.97  568.0315854.68  568.03
15903.39  573.5615950.09  583.1616040.56  609.7216059.95  612.4916303.14  644.24
16752.06  649.49 17196.1  653.4119350.22   652.119467.78   652.1 19701.9  652.33
20058.89  644.2621065.13  645.2621327.69  646.84 23037.1  648.4223427.17  649.17
23858.85  652.7524522.39  660.1324750.88  661.5825887.73  661.5826535.82  653.16
26815.15  653.1627400.71  651.5827643.17  650.6627818.17  651.3427960.99  650.86
28112.59  652.0228412.51   655.928740.69  658.8129860.83  685.4130538.42  686.22
31525.79  746.3431671.34  746.5132300.74  696.7432336.14  696.7933961.77  766.09
35026.03  760.2835227.45  760.0635586.41  778.91 35628.7  779.1435941.43  772.47
36279.73  782.7836441.01  783.68 37230.9     79037940.76  791.0538298.73     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515300.29     .1515950.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15300.2915950.09                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.05    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1488331.00   122650.50   1658322.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1488331.00   122650.50   1658322.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3144578.00   379955.80   3205467.00
  Top Width (ft)          32544.79    Top Width (ft)          14026.59     649.80   17868.40
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  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.11       3.10       1.93
  Max Chl Dpth (ft)         191.95    Hydr. Depth (ft)          106.11     188.75      92.81
  Conv. Total (cfs)       706686300.0    Conv. (cfs)            330197600.0   39897410.0   336591300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14042.48     651.80   17880.24
  Min Ch El (ft)            568.03    Shear (lb/sq ft)            0.60       1.07       0.53
  Alpha                       1.04    Stream Power (lb/ft s)      1.27       3.30       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    162756.80   25366.21   192270.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1501.03     124.81    1847.65


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276423.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  176.26  793.84  573.47  780.37 1208.17  762.34 1367.88  756.61
 1622.96     749 1772.54  748.41 2085.34  748.41 2383.94  747.98 3185.94  715.67
 3250.08  712.48 3331.58  711.59 3341.69  711.54 3521.78  719.14 3682.45  718.41
 3810.15  717.64 3947.25   714.2  4282.4  706.21 4690.85  697.64 4994.83  697.07
 5125.64  695.69 5267.97  692.86 5329.21  690.74 5653.59  687.94 5966.11  686.36
 6092.18  686.82 6289.12  683.64 6438.08  682.05  6501.8  680.46 6545.65  680.46
 6680.25  681.57 6874.92  691.59 6931.28  688.54 7047.13  682.92 7372.34  664.26
 7415.21  662.72 7553.57  652.28 7815.89  625.59  7828.5  624.07 7983.05  619.82
 8107.18  618.77 8334.74  620.02 8491.15   618.7 8654.99  614.13 8821.63  611.87
 8950.72  594.39 8966.14  594.31 9046.41  591.13 9197.02  586.36 9248.32  586.36
 9285.93  587.81  9399.4  617.42 9495.75  621.13 9842.88  619.78 9984.46  610.82
10034.43  602.2110224.93  601.4710450.83  617.4110719.65  616.3611288.15  614.77
12597.43  614.7712812.92  606.3613366.87  606.3613793.04  607.9513846.83  609.54
14110.03  608.3914116.28  599.9614211.77  598.8614801.79  588.3315304.09  583.18
15330.71  580.1415424.46  575.0515448.64  572.1415486.71  568.0315859.66  568.03
15908.54  573.55 15955.4  583.1816045.87  609.7216065.25  612.4816308.42   644.2
16757.29  649.4617201.29  653.3719355.18  652.0519472.72  652.0519706.82  652.28
20063.77  644.23 21069.9  645.2321332.43  646.8223041.66  648.4123431.69  649.16
23863.32  652.74 24526.8  660.1424755.26  661.5925891.99  661.5926540.01  653.18
26819.31  653.18 27404.8  651.5927647.24  650.6727822.22  651.3427965.02  650.85
28116.61  652.01 28416.5   655.928744.64   658.829864.66  685.3830542.18   686.2
31529.45  746.2531674.98  746.4332304.31  696.7232339.71  696.7733965.16     766
35029.31  760.2135230.71     76035589.63  778.8435631.91  779.0835944.61  772.42
36282.88  782.7336444.14  783.6437233.95     79037943.73  791.0638301.66     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515304.09     .15 15955.4     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15304.09 15955.4                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.05    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1488402.00   122928.50   1658553.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1488402.00   122928.50   1658553.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3143685.00   380730.20   3205585.00
  Top Width (ft)          32549.95    Top Width (ft)          14030.19     651.31   17868.46
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.11       3.10       1.93
  Max Chl Dpth (ft)         191.95    Hydr. Depth (ft)          106.09     188.74      92.82
  Conv. Total (cfs)       706823900.0    Conv. (cfs)            330168100.0   39986510.0   336669200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14046.03     653.31   17880.28
  Min Ch El (ft)            568.03    Shear (lb/sq ft)            0.60       1.06       0.52
  Alpha                       1.04    Stream Power (lb/ft s)      1.27       3.30       1.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    162586.00   25352.11   192080.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1499.42     124.74    1845.60


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276420.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   176.3  793.84  573.61  780.36 1208.47  762.33 1368.22   756.6
 1623.36  748.99 1772.98   748.4 2085.86   748.4 2384.53  747.97 3186.73  715.69
 3250.88   712.5 3332.41   711.6 3342.51  711.55 3522.66  719.13 3683.36   718.4
 3811.09  717.63 3948.23  714.18 4283.46  706.19 4692.01  697.62 4996.07  697.05
 5126.91  695.67 5269.27  692.84 5330.53  690.71 5654.99   687.9 5967.58  686.34
 6093.69   686.8 6290.68   683.6 6439.67     682 6503.41   680.4 6547.28   680.4
  6681.9  681.52 6876.62  691.53 6932.99   688.5 7048.88  682.89 7374.17  664.27
 7417.05  662.74 7555.44  652.34 7817.83  625.68 7830.44  624.16 7985.03  619.89
 8109.19  618.84 8336.81  620.12 8493.25   618.8 8657.14  614.21 8823.82  611.94
 8952.94  594.48 8968.36   594.4 9048.65   591.2  9199.3   586.4 9250.62   586.4
 9288.23  587.86 9401.73  617.46  9498.1   621.2 9845.32  619.84 9986.93  610.88
10036.91  602.2910227.47  601.5410453.43  617.45 10722.3   616.411290.95   614.8
12600.55   614.812816.09   606.413370.18   606.413796.46     60813850.26   609.6
14113.53  608.4514119.78  600.0214215.29  598.9214805.45  588.3515307.88   583.2
15334.64  580.1515428.87  575.0715453.18  572.1515491.44  568.0215864.64  568.02
15913.69  573.5515960.72   583.216051.18  609.7216070.56  612.48 16313.7  644.16
16762.52  649.4217206.47  653.3319360.13     65219477.66     65219711.74  652.23
20068.65  644.1921074.67   645.221337.18   646.823046.22   648.423436.21  649.16
23867.79  652.74 24531.2  660.1524759.64   661.625896.25   661.6 26544.2   653.2
26823.47   653.2 27408.9   651.627651.31  650.6727826.27  651.3427969.06  650.83
28120.63  651.9928420.48  655.89 28748.6   658.829868.49  685.3530545.94  686.17
 31533.1  746.1731678.62  746.3432307.89   696.732343.28  696.7533968.56  765.91
35032.59  760.1435233.98  759.9435592.86  778.7735635.13  779.01 35947.8  772.38
36286.03  782.6936447.28   783.6   37237     790 37946.7  791.06 38304.6     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515307.88     .1515960.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15307.8815960.72                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
```

```
  E.G. Elev (ft)            760.05    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1488483.00   123213.30   1658793.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1488483.00   123213.30   1658793.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3142774.00   381528.10   3205698.00
  Top Width (ft)          32597.55    Top Width (ft)          14033.93     652.84   17910.78
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.11       3.10       1.93
  Max Chl Dpth (ft)         191.96    Hydr. Depth (ft)          106.06     188.73      92.61
  Conv. Total (cfs)       706967700.0    Conv. (cfs)            330139600.0   40078460.0   336749600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14049.76     654.84   17922.59
  Min Ch El (ft)            568.02    Shear (lb/sq ft)            0.60       1.06       0.52
  Alpha                       1.04    Stream Power (lb/ft s)      1.27       3.30       1.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    162415.10   25337.99   191889.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1497.81     124.66    1843.54


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276417.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev
       0     800  176.35  793.83  573.75  780.35 1208.77  762.33 1368.56  756.59
 1623.76  748.99 1773.42  748.39 2086.37  748.39 2385.13  747.95 3187.52  715.71
 3251.69  712.51 3333.23  711.61 3343.34  711.56 3523.53  719.13 3684.27  718.39
 3812.03  717.61 3949.21  714.17 4284.52  706.17 4693.18  697.61 4997.31  697.03
 5128.18  695.65 5270.58  692.81 5331.85  690.67 5656.39  687.87 5969.06  686.32
  6095.2  686.78 6292.24  683.56 6441.27  681.95 6505.02  680.34  6548.9  680.34
 6683.56  681.46 6878.33  691.48 6934.71  688.45 7050.62  682.86    7376  664.27
 7418.89  662.75 7557.31   652.4 7819.77  625.77 7832.38  624.25 7987.01  619.96
  8111.2  618.92 8338.88  620.21 8495.35  618.89 8659.28  614.29 8826.01  612.02
 8955.16  594.57 8970.58  594.49 9050.89  591.27 9201.58  586.44 9252.91  586.44
 9290.53  587.91 9404.06  617.51 9500.46  621.27 9847.76   619.9 9989.41  610.95
 10039.4  602.36   10230  601.6110456.02   617.510724.96  616.4411293.75  614.83
12603.67  614.8312819.27  606.44 13373.5  606.4413799.88  608.0513853.69  609.66
14117.03   608.514123.28  600.0814218.81  598.9914809.12  588.3815311.67  583.22
15338.57  580.1715433.29  575.0815457.72  572.1615496.17  568.0215869.62  568.02
15918.84  573.5415966.04  583.2216056.48  609.7216075.86  612.4816318.98  644.13
16767.75  649.3917211.66  653.2819365.09  651.95 19482.6  651.9519716.66  652.19
20073.53  644.1621079.44  645.1721341.92  646.7823050.78  648.3923440.73  649.15
23872.27  652.74 24535.6  660.1624764.02  661.6125900.51  661.6126548.39  653.22
26827.63  653.2227412.99  651.6127655.38  650.6727830.32  651.34 27973.1  650.82
28124.65  651.9828424.47  655.8828752.55  658.7929872.33  685.32 30549.7  686.15
31536.76  746.0831682.26  746.2632311.46  696.6832346.85  696.7333971.96  765.82
35035.88  760.0735237.24  759.8835596.08   778.735638.35  778.9435950.98  772.33
36289.18  782.6436450.41  783.5637240.05     79037949.68  791.0738307.54     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515311.67     .1515966.04     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15311.6715966.04                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.05    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1488554.00   123494.50   1659034.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1488554.00   123494.50   1659034.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3141872.00   382309.80   3205818.00
  Top Width (ft)          32669.16    Top Width (ft)          14037.50     654.37   17977.29
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.11       3.10       1.93
  Max Chl Dpth (ft)         191.96    Hydr. Depth (ft)          106.04     188.72      92.28
  Conv. Total (cfs)       707107500.0    Conv. (cfs)            330110200.0   40168520.0   336828800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14053.31     656.37   17989.08
  Min Ch El (ft)            568.02    Shear (lb/sq ft)            0.60       1.06       0.52
  Alpha                       1.04    Stream Power (lb/ft s)      1.26       3.29       1.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    162244.30   25323.83   191699.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1496.20     124.59    1841.48


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276414.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev
       0     800  176.39  793.83   573.9  780.33 1209.07  762.33  1368.9  756.59
 1624.16  748.98 1773.86  748.38 2086.89  748.38 2385.72  747.94 3188.31  715.72
 3252.49  712.53 3334.06  711.62 3344.17  711.57  3524.4  719.12 3685.19  718.38
 3812.98   717.6 3950.19  714.15 4285.58  706.15 4694.34   697.6 4998.54  697.01
 5129.45  695.63 5271.89  692.78 5333.17  690.64 5657.79  687.84 5970.54  686.29
 6096.71  686.76  6293.8  683.52 6442.86   681.9 6506.63  680.28 6550.52  680.28
 6685.21  681.41 6880.03  691.43 6936.43   688.4 7052.37  682.84 7377.82  664.28
 7420.72  662.77 7559.19  652.45  7821.7  625.86 7834.32  624.34 7988.99  620.04
 8113.21  618.99 8340.94  620.31 8497.46  618.99 8661.43  614.37 8828.19  612.09
 8957.38  594.66 8972.81  594.58 9053.13  591.34 9203.86  586.48  9255.2  586.48
 9292.83  587.96 9406.39  617.56 9502.81  621.34  9850.2  619.96 9991.88  611.02
10041.89  602.4410232.54  601.6810458.61  617.5510727.62  616.4811296.54  614.86
12606.79  614.8612822.44  606.4813376.81  606.48 13803.3   608.113857.13  609.72
14120.52  608.5514126.78  600.1414222.33  599.0514812.79   588.415315.47  583.24
 15342.5  580.18 15437.7   575.115462.26  572.1715500.91  568.02 15874.6  568.02
   15924  573.5415971.35  583.2416061.79  609.7116081.17  612.4716324.26  644.09
16772.98  649.3517216.84  653.2419370.04   651.919487.54   651.919721.57  652.14
20078.41  644.1221084.21  645.1421346.67  646.7623055.35  648.3823445.25  649.15
23876.74  652.7324540.01  660.1724768.39  661.6225904.77  661.6226552.57  653.24
26831.79  653.2427417.09  651.6227659.46  650.6827834.38  651.3427977.13  650.81
28128.67  651.9628428.46  655.87 28756.5  658.7829876.16  685.2930553.46  686.12
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31540.42  745.99 31685.9  746.1732315.04  696.6632350.42  696.7133975.36  765.74
35039.16  759.99 35240.5  759.81 35599.3  778.6335641.57  778.8735954.17  772.28
36292.33   782.636453.54  783.5237243.09     79037952.65  791.0838310.47     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515315.47     .1515971.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15315.4715971.35                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.05    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1488629.00   123771.60   1659296.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1488629.00   123771.60   1659296.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3140960.00   383072.40   3205968.00
  Top Width (ft)          32759.08    Top Width (ft)          14040.97     655.88   18062.23
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.11       3.09       1.93
  Max Chl Dpth (ft)         191.96    Hydr. Depth (ft)          106.02     188.71      91.87
  Conv. Total (cfs)       707257300.0    Conv. (cfs)            330084200.0   40257170.0   336915900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14056.76     657.88   18074.00
  Min Ch El (ft)            568.02    Shear (lb/sq ft)            0.60       1.06       0.52
  Alpha                       1.04    Stream Power (lb/ft s)      1.26       3.29       1.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    162073.40   25309.64   191509.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1494.59     124.51    1839.41


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276411.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  176.44  793.82  574.04  780.32 1209.37  762.33 1369.24  756.58
 1624.56  748.97  1774.3  748.37 2087.41  748.37 2386.31  747.93  3189.1  715.74
  3253.3  712.54 3334.88  711.63    3345  711.58 3525.27  719.12  3686.1  718.37
 3813.92  717.58 3951.17  714.13 4286.64  706.13  4695.5  697.58 4999.78  696.99
 5130.72  695.61 5273.19  692.76 5334.49   690.6  5659.2   687.8 5972.02  686.27
 6098.21  686.74 6295.36  683.48 6444.46  681.85 6508.24  680.22 6552.14  680.22
 6686.87  681.36 6881.73  691.37 6938.15  688.36 7054.12  682.81 7379.65  664.29
 7422.56  662.79 7561.06  652.51 7823.64  625.95 7836.26  624.42 7990.96  620.11
 8115.21  619.06 8343.01   620.4 8499.56  619.09 8663.57  614.44 8830.38  612.17
 8959.59  594.75 8975.03  594.67 9055.38  591.41 9206.13  586.52 9257.49  586.52
 9295.14  588.01 9408.72   617.6 9505.16  621.41 9852.64  620.02 9994.35  611.09
10044.37  602.5210235.07  601.76 10461.2  617.5910730.27  616.5211299.34  614.89
12609.91  614.8912825.62  606.5213380.12  606.5213806.72  608.1513860.56  609.78
14124.02   608.614130.27  600.2114225.85  599.1114816.46  588.4315319.26  583.26
15346.43  580.1915442.11  575.12 15466.8  572.1815505.64  568.0215879.58  568.02
15929.15  573.5415976.67  583.26 16067.1  609.7116086.47  612.4716329.54  644.05
16778.21  649.3217222.02   653.2   19375  651.8519492.49  651.8519726.49  652.09
20083.29  644.0821088.99  645.1121351.41  646.7423059.91  648.3723449.77  649.14
23881.22  652.7324544.41  660.1924772.77  661.6325909.02  661.6326556.76  653.26
26835.95  653.2627421.19  651.6327663.53  650.6827838.43  651.3327981.17  650.79
 28132.7  651.9528432.45  655.8728760.46  658.77   29880  685.2630557.23   686.1
31544.07  745.9131689.54  746.0932318.61  696.6432353.99  696.6933978.75  765.65
35042.45  759.9235243.76  759.7535602.53  778.5635644.79   778.835957.36  772.23
36295.48  782.5536456.68  783.4837246.14     79037955.62  791.0838313.41     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515319.26     .1515976.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15319.2615976.67                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.05    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1488707.00   124052.30   1659535.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1488707.00   124052.30   1659535.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3140086.00   383851.30   3206062.00
  Top Width (ft)          32787.27    Top Width (ft)          14044.55     657.41   18085.31
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.11       3.09       1.93
  Max Chl Dpth (ft)         191.96    Hydr. Depth (ft)          106.00     188.70      91.76
  Conv. Total (cfs)       707396200.0    Conv. (cfs)            330057200.0   40346950.0   336992000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14060.30     659.40   18097.06
  Min Ch El (ft)            568.02    Shear (lb/sq ft)            0.60       1.06       0.52
  Alpha                       1.04    Stream Power (lb/ft s)      1.26       3.29       1.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    161902.50   25295.41   191318.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1492.97     124.44    1837.34


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276408.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  176.48  793.82  574.18  780.31 1209.67  762.32 1369.58  756.57
 1624.97  748.97 1774.74  748.36 2087.93  748.36  2386.9  747.92 3189.89  715.76
  3254.1  712.56 3335.71  711.64 3345.83  711.59 3526.15  719.11 3687.01  718.36
 3814.87  717.57 3952.14  714.12  4287.7  706.11 4696.67  697.57 5001.02  696.97
 5131.99  695.59  5274.5  692.73 5335.81  690.56  5660.6  687.77  5973.5  686.25
 6099.73  686.72 6296.92  683.44 6446.06   681.8 6509.85  680.16 6553.77  680.16
 6688.53   681.3 6883.44  691.32 6939.87  688.31 7055.86  682.78 7381.48  664.29
  7424.4   662.8 7562.93  652.57 7825.58  626.03  7838.2  624.51 7992.94  620.18
 8117.22  619.13 8345.07   620.5 8501.67  619.18 8665.72  614.52 8832.57  612.24
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 8961.81  594.84 8977.25  594.76 9057.62  591.48 9208.41  586.56 9259.78  586.56
 9297.44  588.06 9411.05  617.65 9507.52  621.48 9855.08  620.08 9996.83  611.16
10046.86  602.59 10237.6  601.8310463.79  617.6410732.93  616.5611302.14  614.92
12613.04  614.92 12828.8  606.5613383.44  606.5613810.13   608.213863.99  609.84
14127.52  608.6614133.77  600.2714229.38  599.1714820.13  588.4615323.05  583.28
15350.36   580.215446.52  575.1415471.33  572.1915510.38  568.0215884.56  568.02
 15934.3  573.5315981.99  583.2816072.41  609.7116091.78  612.4716334.82  644.02
16783.45  649.2817227.21  653.1619379.95   651.819497.43   651.819731.41  652.04
20088.17  644.0521093.76  645.0821356.15  646.7223064.47  648.3623454.29  649.14
23885.69  652.7324548.81   660.224777.15  661.6425913.28  661.6426560.95  653.28
26840.11  653.2827425.28  651.64 27667.6  650.6927842.48  651.3327985.21  650.78
28136.71  651.9428436.44  655.8628764.41  658.7729883.83  685.2430560.99  686.08
31547.73  745.8231693.19    74632322.18  696.6232357.56  696.6633982.15  765.56
35045.73  759.8535247.02  759.6935605.75  778.4935648.01  778.7335960.55  772.18
36298.63  782.5136459.81  783.4437249.19     790 37958.6  791.0938316.34     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515323.05     .1515981.99     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15323.0515981.99                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.05    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1488776.00   124333.50   1659770.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1488776.00   124333.50   1659770.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3139195.00   384636.30   3206169.00
  Top Width (ft)          32806.74    Top Width (ft)          14048.29     658.94   18099.51
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.11       3.09       1.93
  Max Chl Dpth (ft)         191.96    Hydr. Depth (ft)          105.98     188.69      91.70
  Conv. Total (cfs)       707527300.0    Conv. (cfs)             330024700.0   40436960.0   337065700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14064.03     660.93   18111.25
  Min Ch El (ft)            568.02    Shear (lb/sq ft)            0.60       1.06       0.52
  Alpha                       1.04    Stream Power (lb/ft s)      1.26       3.29       1.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    161731.60   25281.16   191128.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1491.36     124.36    1835.26


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276405.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  176.52  793.82  574.32   780.3 1209.97  762.32 1369.92  756.56
 1625.37  748.96 1775.18  748.35 2088.44  748.35 2387.49   747.9 3190.68  715.77
 3254.91  712.57 3336.54  711.65 3346.65   711.6 3527.02  719.11 3687.92  718.35
 3815.81  717.55 3953.12   714.1 4288.77   706.1 4697.83  697.55 5002.26  696.96
 5133.26  695.58  5275.8   692.7 5337.13  690.53    5662  687.74 5974.98  686.23
 6101.23   686.7 6298.48   683.4 6447.65  681.75 6511.46   680.1 6555.39   680.1
 6690.18  681.25 6885.14  691.27 6941.58  688.27 7057.61  682.75 7383.31   664.3
 7426.24  662.82  7564.8  652.62 7827.51  626.12 7840.14   624.6 7994.92  620.25
 8119.23  619.21 8347.14  620.59 8503.77  619.28 8667.86   614.6 8834.75  612.32
 8964.03  594.93 8979.47  594.85 9059.86  591.55 9210.69   586.6 9262.08   586.6
 9299.74   588.1 9413.38  617.69 9509.87  621.55 9857.51  620.15  9999.3  611.22
10049.35  602.6710240.14   601.910466.38  617.6910735.59   616.611304.94  614.95
12616.16  614.9512831.97   606.613386.75   606.613813.55  608.2513867.42   609.9
14131.02  608.7114137.27  600.33 14232.9  599.23 14823.8  588.4815326.84   583.3
15354.29  580.2115450.94  575.1615475.87   572.215515.11  568.0215889.54  568.02
15939.45  573.53 15987.3   583.316077.71  609.7116097.08  612.47 16340.1  643.98
16788.68  649.2517232.39  653.1219384.91  651.7519502.37  651.7519736.32  651.99
20093.05  644.0121098.53  645.05 21360.9   646.723069.03  648.3523458.81  649.13
23890.16  652.7224553.22  660.2124781.53  661.6525917.54  661.6526565.14   653.3
26844.27   653.327429.38  651.6527671.67  650.6927846.53  651.3327989.24  650.77
28140.74  651.9228440.43  655.8528768.37  658.7629887.67  685.2130564.75  686.05
31551.39  745.7331696.83  745.9232325.76   696.632361.13  696.6433985.55  765.47
35049.01  759.7835250.29  759.6235608.98  778.4235651.23  778.6635963.73  772.14
36301.78  782.4636462.94   783.437252.24     79037961.57   791.138319.27     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515326.84     .15 15987.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15326.84 15987.3                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.05    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1488853.00   124612.10   1660041.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1488853.00   124612.10   1660041.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3138284.00   385403.60   3206312.00
  Top Width (ft)          32826.31    Top Width (ft)          14051.86     660.46   18113.99
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.11       3.09       1.93
  Max Chl Dpth (ft)         191.96    Hydr. Depth (ft)          105.95     188.67      91.64
  Conv. Total (cfs)       707674600.0    Conv. (cfs)             329997600.0   40526050.0   337150900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14067.59     662.45   18125.71
  Min Ch El (ft)            568.02    Shear (lb/sq ft)            0.60       1.06       0.52
  Alpha                       1.04    Stream Power (lb/ft s)      1.26       3.28       1.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    161560.70   25266.87   190937.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1489.75     124.28    1833.18


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276402.*

INPUT
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Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  176.57  793.81  574.46  780.29 1210.27  762.32 1370.26  756.55
 1625.77  748.95 1775.62  748.34 2088.96  748.34 2388.08  747.89 3191.47  715.79
 3255.71  712.59 3337.36  711.66 3347.48  711.61 3527.89   719.1 3688.84  718.34
 3816.76  717.54  3954.1  714.08 4289.83  706.08 4698.99  697.54  5003.5  696.94
 5134.53  695.56 5277.11  692.67 5338.45  690.49  5663.4   687.7 5976.46   686.2
 6102.74  686.68 6300.04  683.36 6449.25   681.7 6513.08  680.04 6557.01  680.04
 6691.84   681.2 6886.85  691.21  6943.3  688.22 7059.35  682.73 7385.13  664.31
 7428.08  662.84 7566.67  652.68 7829.45  626.21 7842.08  624.69  7996.9  620.32
 8121.24  619.28  8349.2  620.69 8505.88  619.38 8670.01  614.68 8836.94  612.39
 8966.25  595.02 8981.69  594.94  9062.1  591.62 9212.97  586.64 9264.37  586.64
 9302.04  588.15 9415.71  617.74 9512.22  621.62 9859.95  620.2110001.78  611.29
10051.83  602.7510242.67  601.9710468.97  617.7310738.24  616.6411307.73  614.98
12619.28  614.9812835.15  606.6413390.06  606.6413816.97   608.313870.85  609.96
14134.51  608.7614140.77  600.3914236.42  599.2914827.46  588.5115330.64  583.32
15358.22  580.2315455.35  575.1715480.41  572.2115519.84  568.0215894.51  568.02
 15944.6  573.5215992.62  583.3216083.02  609.7116102.39  612.4616345.38  643.94
16793.91  649.2117237.58  653.0819389.86   651.719507.31   651.719741.24  651.94
20097.93  643.97 21103.3  645.0221365.64  646.6823073.59  648.3423463.33  649.13
23894.64  652.7224557.62  660.2224785.91  661.66 25921.8  661.6626569.33  653.32
26848.43  653.3227433.48  651.6627675.74   650.727850.58  651.3327993.28  650.76
28144.76  651.9128444.42  655.8528772.32  658.75 29891.5  685.1830568.51  686.03
31555.04  745.6531700.47  745.8332329.33  696.5832364.71  696.6233988.95  765.38
 35052.3  759.7135253.55  759.56 35612.2  778.3535654.45   778.635966.92  772.09
36304.93  782.4136466.07  783.3637255.29     79037964.54   791.138322.21     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515330.64     .1515992.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15330.6415992.62                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.05    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1488929.00   124891.40   1660288.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1488929.00   124891.40   1660288.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3137403.00   386178.40   3206419.00
  Top Width (ft)          32845.79    Top Width (ft)          14055.45     661.98   18128.36
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.11       3.09       1.93
  Max Chl Dpth (ft)         191.96    Hydr. Depth (ft)          105.93     188.66      91.59
  Conv. Total (cfs)       707813700.0    Conv. (cfs)            329969800.0   40615500.0   337228400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14071.14     663.97   18140.06
  Min Ch El (ft)            568.02    Shear (lb/sq ft)            0.60       1.06       0.52
  Alpha                       1.04    Stream Power (lb/ft s)      1.26       3.28       1.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    161389.80   25252.55   190746.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1488.14     124.21    1831.10


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276399.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  176.61  793.81  574.61  780.27 1210.57  762.31  1370.6  756.55
 1626.17  748.95 1776.05  748.33 2089.48  748.33 2388.67  747.88 3192.25  715.81
 3256.52   712.6 3338.19  711.67 3348.31  711.62 3528.77  719.09 3689.75  718.33
  3817.7  717.52 3955.08  714.07 4290.89  706.06 4700.15  697.52 5004.73  696.92
  5135.8  695.54 5278.41  692.65 5339.77  690.45  5664.8  687.67 5977.94  686.18
 6104.25  686.66 6301.59  683.32 6450.84  681.65 6514.69  679.98 6558.63  679.98
 6693.49  681.15 6888.55  691.16 6945.02  688.17  7061.1   682.7 7386.96  664.31
 7429.91  662.86 7568.55  652.74 7831.39   626.3 7844.02  624.78 7998.88  620.39
 8123.25  619.35 8351.27  620.78 8507.98  619.47 8672.15  614.76 8839.12  612.47
 8968.47  595.11 8983.92  595.03 9064.34  591.69 9215.25  586.68 9266.66  586.68
 9304.34   588.2 9418.04  617.79 9514.58  621.69 9862.39  620.2710004.25  611.36
10054.32  602.8210245.21  602.0510471.56  617.78 10740.9  616.6811310.53  615.01
 12622.4  615.0112838.32  606.6813393.37  606.6813820.39  608.3513874.29  610.02
14138.01  608.8214144.27  600.4614239.94  599.3514831.13  588.5315334.43  583.34
15362.15  580.2415459.76  575.1915484.95  572.2215524.58  568.0215899.49  568.02
15949.75  573.5215997.94  583.3416088.33  609.7116107.69  612.4616350.66  643.91
16799.14  649.1817242.76  653.0319394.82  651.6519512.25  651.6519746.16  651.89
 20102.8  643.9421108.07  644.9921370.38  646.6623078.15  648.3323467.85  649.12
23899.11  652.7224562.03  660.2324790.29  661.6725926.05  661.6726573.52  653.34
26852.59  653.3427437.57  651.6727679.81   650.727854.64  651.3327997.32  650.74
28148.78  651.8928448.41  655.8428776.27  658.7429895.34  685.1530572.27     686
 31558.7  745.5631704.11  745.7432332.91  696.5632368.28   696.633992.34   765.3
35055.58  759.6435256.81   759.535615.42  778.2835657.67  778.5335970.11  772.04
36308.08  782.3736469.21  783.3237258.34     79037967.52  791.1138325.14     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515334.43     .1515997.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15334.4315997.94                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.05    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1489000.00   125172.00   1660554.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1489000.00   125172.00   1660554.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3136471.00   386951.50   3206577.00
  Top Width (ft)          32865.07    Top Width (ft)          14059.08     663.51   18142.49
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.11       3.09       1.93
  Max Chl Dpth (ft)         191.96    Hydr. Depth (ft)          105.91     188.65      91.53
  Conv. Total (cfs)       707959700.0    Conv. (cfs)            329939900.0   40705210.0   337314700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14074.75     665.50   18154.17
  Min Ch El (ft)            568.02    Shear (lb/sq ft)            0.60       1.06       0.52
  Alpha                       1.04    Stream Power (lb/ft s)      1.26       3.28       1.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    161218.90   25238.20   190556.30
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  C & E Loss (ft)             0.00    Cum SA (acres)           1486.52     124.13    1829.02


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276396.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  176.65   793.8  574.75  780.26 1210.87  762.31 1370.94  756.54
 1626.58  748.94 1776.49  748.32 2089.99  748.32 2389.26  747.86 3193.04  715.82
 3257.32  712.62 3339.01  711.68 3349.14  711.63 3529.64  719.09 3690.66  718.32
 3818.65  717.51 3956.06  714.05 4291.95  706.04 4701.32  697.51 5005.97   696.9
 5137.07  695.52 5279.72  692.62 5341.09  690.42  5666.2  687.64 5979.41  686.16
 6105.76  686.64 6303.15  683.28 6452.44   681.6  6516.3  679.92 6560.25  679.92
 6695.15  681.09 6890.25  691.11 6946.74  688.13 7062.85  682.67 7388.79  664.32
 7431.75  662.87 7570.42  652.79 7833.33  626.39 7845.96  624.87 8000.86  620.47
 8125.26  619.43 8353.34  620.88 8510.08  619.57  8674.3  614.84 8841.31  612.54
 8970.69   595.2 8986.14  595.12 9066.59  591.76 9217.53  586.72 9268.95  586.72
 9306.64  588.25 9420.37  617.83 9516.93  621.76 9864.83  620.3310006.73  611.43
10056.81   602.910247.74  602.1210474.15  617.8310743.56  616.7211313.33  615.04
12625.53  615.04 12841.5  606.7213396.69  606.7213823.81   608.413877.72  610.08
14141.51  608.8714147.77  600.5214243.47  599.41 14834.8  588.5615338.22  583.36
15366.08  580.2515464.18  575.2115489.49  572.2315529.31  568.0215904.47  568.02
 15954.9  573.5116003.26  583.3616093.64   609.7   16113  612.4616355.93  643.87
16804.37  649.1417247.95  652.9919399.77   651.6 19517.2   651.619751.08  651.85
20107.68   643.921112.85  644.9621375.13  646.6423082.71  648.3223472.37  649.12
23903.59  652.7124566.43  660.2424794.67  661.6825930.31  661.6826577.71  653.36
26856.74  653.3627441.67  651.6827683.88   650.727858.69  651.3328001.35  650.73
 28152.8  651.8828452.39  655.8328780.23  658.7429899.17  685.1230576.04  685.98
31562.36  745.4731707.75  745.6632336.48  696.5432371.85  696.5833995.74  765.21
35058.86  759.5635260.07  759.4435618.65  778.2135660.89  778.4635973.29  771.99
36311.23  782.3236472.34  783.2837261.39     79037970.49  791.1238328.08     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515338.22     .1516003.26     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15338.2216003.26                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.05    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1489074.00   125452.80   1660807.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1489074.00   125452.80   1660807.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3135582.00   387729.20   3206689.00
  Top Width (ft)          32886.46    Top Width (ft)          14062.65     665.04   18158.78
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)            2.11       3.09       1.93
  Max Chl Dpth (ft)         191.96    Hydr. Depth (ft)          105.89     188.64      91.46
  Conv. Total (cfs)       708099500.0    Conv. (cfs)            329911500.0   40795070.0   337393000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14078.30     667.03   18170.44
  Min Ch El (ft)            568.02    Shear (lb/sq ft)            0.60       1.06       0.52
  Alpha                       1.04    Stream Power (lb/ft s)      1.26       3.28       1.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    161048.00   25223.81   190365.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1484.91     124.06    1826.94


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276393.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   176.7   793.8  574.89  780.25 1211.17  762.31 1371.27  756.53
 1626.98  748.93 1776.93  748.31 2090.51  748.31 2389.85  747.85 3193.83  715.84
 3258.13  712.64 3339.84  711.69 3349.97  711.64 3530.51  719.08 3691.57  718.31
 3819.59   717.5 3957.04  714.03 4293.01  706.02 4702.48  697.49 5007.21  696.88
 5138.34   695.5 5281.03  692.59 5342.41  690.38  5667.6   687.6 5980.89  686.13
 6107.27  686.62 6304.71  683.24 6454.03  681.55 6517.91  679.86 6561.88  679.86
  6696.8  681.04 6891.96  691.06 6948.46  688.08 7064.59  682.65 7390.61  664.33
 7433.59  662.89 7572.29  652.85 7835.26  626.48  7847.9  624.96 8002.84  620.54
 8127.27   619.5  8355.4  620.97 8512.19  619.67 8676.44  614.91  8843.5  612.61
  8972.9  595.29 8988.36  595.21 9068.83  591.83 9219.81  586.76 9271.24  586.76
 9308.94   588.3  9422.7  617.88 9519.28  621.83 9867.27  620.39 10009.2   611.5
10059.29  602.9810250.27  602.1910476.74  617.8710746.21  616.7611316.13  615.07
12628.65  615.0712844.67  606.76   13400  606.7613827.23  608.4513881.15  610.14
   14145  608.9214151.27  600.5814246.99  599.4714838.47  588.5815342.02  583.38
15370.01  580.2615468.59  575.2315494.02  572.2415534.05  568.0115909.45  568.01
15960.06  573.5116008.57  583.3816098.94   609.7 16118.3  612.4516361.21  643.83
16809.61  649.1117253.13  652.9519404.73  651.5519522.14  651.5519755.99   651.8
20112.56  643.8721117.62  644.9321379.87  646.6223087.28  648.3123476.89  649.11
23908.06  652.7124570.83  660.2624799.05  661.6925934.57  661.69 26581.9  653.38
 26860.9  653.3827445.77  651.6927687.95  650.7127862.74  651.3328005.39  650.72
28156.82  651.8628456.38  655.8328784.18  658.73   29903  685.09 30579.8  685.96
31566.01  745.3931711.39  745.5732340.05  696.5232375.42  696.5633999.14  765.12
35062.15  759.4935263.34  759.3735621.87  778.1435664.11  778.3935976.48  771.95
36314.38  782.2836475.47  783.2437264.44     79037973.46  791.1238331.02     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515342.02     .1516008.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15342.0216008.57                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.05    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
```

```
  W.S. Elev (ft)            759.98    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1489161.00   125734.10   1661051.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1489161.00   125734.10   1661051.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3134730.00   388514.30   3206756.00
  Top Width (ft)          32906.38    Top Width (ft)          14066.24     666.55   18173.59
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)            2.11       3.09       1.93
  Max Chl Dpth (ft)         191.97    Hydr. Depth (ft)          105.87     188.63      91.40
  Conv. Total (cfs)       708241400.0    Conv. (cfs)            329887900.0   40885870.0   337467700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14081.86     668.54   18185.24
  Min Ch El (ft)            568.01    Shear (lb/sq ft)            0.60       1.06       0.51
  Alpha                       1.04    Stream Power (lb/ft s)      1.25       3.28       0.99
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    160877.10   25209.40   190175.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1483.29     123.98    1824.85


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276390.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  176.74  793.79  575.03  780.24 1211.47  762.31 1371.61  756.52
 1627.38  748.93 1777.37   748.3 2091.03   748.3 2390.44  747.84 3194.62  715.86
 3258.94  712.65 3340.66   711.7  3350.8  711.65 3531.38  719.08 3692.49   718.3
 3820.53  717.48 3958.01  714.02 4294.07     706 4703.64  697.48 5008.45  696.86
 5139.61  695.48 5282.33  692.57 5343.73  690.34    5669  687.57 5982.37  686.11
 6108.78   686.6 6306.27   683.2 6455.63   681.5 6519.52   679.8  6563.5   679.8
 6698.46  680.99 6893.66     691 6950.17  688.04 7066.34  682.62 7392.44  664.33
 7435.43  662.91 7574.16  652.91  7837.2  626.57 7849.84  625.04 8004.81  620.61
 8129.28  619.57 8357.47  621.07 8514.29  619.76 8678.59  614.99 8845.68  612.69
 8975.12  595.38 8990.58   595.3 9071.07   591.9 9222.09   586.8 9273.54   586.8
 9311.25  588.35 9425.03  617.93 9521.64   621.9 9869.71  620.4510011.68  611.56
10061.78  603.0610252.81  602.2610479.33  617.9210748.87   616.811318.92   615.1
12631.77   615.112847.85   606.813403.31   606.813830.65   608.513884.58   610.2
 14148.5  608.9714154.76  600.6414250.51  599.5314842.14  588.6115345.81   583.4
15373.94  580.27   15473  575.2415498.56  572.2515538.78  568.0115914.43  568.01
15965.21  573.5116013.89   583.416104.25   609.716123.61  612.4516366.49   643.8
16814.84  649.0717258.31  652.9119409.68   651.519527.08   651.519760.91  651.75
20117.44  643.8321122.39   644.921384.62   646.623091.84   648.323481.41  649.11
23912.54  652.7124575.23  660.2724803.43   661.725938.83   661.726586.08   653.4
26865.06   653.427449.86   651.727692.02  650.7127866.79  651.3228009.43   650.7
28160.84  651.8528460.37  655.8228788.13  658.7229906.84  685.0630583.56  685.93
31569.67   745.331715.03  745.4932343.63   696.532378.99  696.5434002.53  765.03
35065.43  759.42 35266.6  759.3135625.09  778.0735667.33  778.3235979.66   771.9
36317.53  782.2336478.61   783.237267.48     79037976.44  791.1338333.95     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515345.81     .1516013.89     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15345.8116013.89                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.05    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1489226.00   126015.10   1661317.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1489226.00   126015.10   1661317.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3133807.00   389291.90   3206901.00
  Top Width (ft)          32926.19    Top Width (ft)          14069.81     668.08   18188.30
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)            2.10       3.09       1.93
  Max Chl Dpth (ft)         191.97    Hydr. Depth (ft)          105.85     188.62      91.34
  Conv. Total (cfs)       708382300.0    Conv. (cfs)            329856400.0   40975850.0   337550100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14085.42     670.07   18199.93
  Min Ch El (ft)            568.01    Shear (lb/sq ft)            0.60       1.06       0.51
  Alpha                       1.04    Stream Power (lb/ft s)      1.25       3.27       0.99
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    160706.10   25194.95   189984.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1481.68     123.90    1822.77


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276388.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  176.79  793.79  575.17  780.22 1211.77   762.3 1371.95  756.51
 1627.78  748.92 1777.81  748.29 2091.54  748.29 2391.03  747.83 3195.41  715.88
 3259.74  712.67 3341.49  711.71 3351.62  711.66 3532.26  719.07  3693.4  718.29
 3821.48  717.47 3958.99     714 4295.13  705.98  4704.8  697.46 5009.69  696.85
 5140.88  695.46 5283.64  692.54 5345.06  690.31 5670.41  687.54 5983.85  686.09
 6110.29  686.58 6307.83  683.16 6457.22  681.45 6521.13  679.74 6565.12  679.74
 6700.12  680.93 6895.37  690.95 6951.89  687.99 7068.09  682.59 7394.27  664.34
 7437.26  662.92 7576.03  652.96 7839.14  626.65 7851.78  625.13 8006.79  620.68
 8131.29  619.64 8359.53  621.16  8516.4  619.86 8680.73  615.07 8847.87  612.76
 8977.34  595.47 8992.81  595.39 9073.31  591.97 9224.37  586.84 9275.83  586.84
 9313.55   588.4 9427.36  617.97 9523.99  621.97 9872.15  620.5210014.15  611.63
10064.27  603.1310255.34  602.3310481.92  617.9710751.53  616.8411321.72  615.13
12634.89  615.1312851.02  606.8413406.63  606.8413834.06  608.5513888.01  610.26
   14152  609.0314158.26  600.7114254.03  599.5914845.81  588.64 15349.6  583.42
15377.87  580.2815477.42  575.26 15503.1  572.2615543.51  568.0115919.41  568.01
15970.36   573.516019.21  583.4216109.56   609.716128.91  612.4516371.77  643.76
16820.07  649.04 17263.5  652.8719414.63  651.4519532.02  651.4519765.83   651.7
20122.32  643.7921127.16  644.8721389.36  646.58 23096.4  648.2923485.93   649.1
23917.01   652.724579.64   660.28 24807.8  661.7125943.09  661.7126590.27  653.42
26869.22  653.4227453.96  651.7127696.09  650.7227870.85  651.3228013.46  650.69
28164.86  651.8428464.36  655.8128792.09  658.7129910.67  685.0330587.32  685.91
31573.33  745.2131718.67   745.4 32347.2  696.4832382.56  696.5234005.93  764.94
35068.71  759.3535269.86  759.2535628.32     77835670.55  778.2535982.85  771.85
36320.68  782.1936481.74  783.1637270.54     79037979.41  791.1438336.89     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 15349.6     .1516019.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       15349.616019.21                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.04    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1489297.00   126296.00   1661582.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1489297.00   126296.00   1661582.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3132886.00   390068.60   3207045.00
  Top Width (ft)          32946.27    Top Width (ft)          14073.55     669.61   18203.11
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)            2.10       3.09       1.93
  Max Chl Dpth (ft)         191.97    Hydr. Depth (ft)          105.82     188.61      91.28
  Conv. Total (cfs)       708522400.0    Conv. (cfs)             329824600.0   41065720.0   337632000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14089.14     671.60   18214.72
  Min Ch El (ft)            568.01    Shear (lb/sq ft)            0.60       1.06       0.51
  Alpha                       1.04    Stream Power (lb/ft s)      1.25       3.27       0.99
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    160535.20   25180.47   189793.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1480.06     123.83    1820.68


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276385.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  176.83  793.78  575.32  780.21 1212.07   762.3 1372.29  756.51
 1628.18  748.92 1778.25  748.28 2092.06  748.28 2391.62  747.81  3196.2  715.89
 3260.55  712.68 3342.31  711.72 3352.45  711.67 3533.13  719.07 3694.31  718.28
 3822.42  717.45 3959.97  713.98 4296.19  705.96 4705.97  697.45 5010.92  696.83
 5142.15  695.44 5284.94  692.51 5346.38  690.27 5671.81   687.5 5985.33  686.07
  6111.8  686.56 6309.39  683.12 6458.82   681.4 6522.74  679.68 6566.74  679.68
 6701.77  680.88 6897.07   690.9 6953.61  687.95 7069.83  682.56  7396.1  664.35
  7439.1  662.94 7577.91  653.02 7841.07  626.74 7853.72  625.22 8008.77  620.75
  8133.3  619.72  8361.6  621.26  8518.5  619.96 8682.88  615.15 8850.06  612.84
 8979.56  595.57 8995.03  595.48 9075.56  592.04 9226.65  586.88 9278.12  586.88
 9315.85  588.45 9429.69  618.02 9526.34  622.04 9874.59  620.5810016.63   611.7
10066.76  603.2110257.88  602.4110484.51  618.0110754.18  616.8811324.52  615.16
12638.01  615.16 12854.2  606.8813409.94  606.8813837.48   608.613891.44  610.32
 14155.5  609.0814161.76  600.7714257.55  599.6514849.48  588.66 15353.4  583.44
 15381.8   580.315481.83  575.2815507.64  572.2715548.25  568.0115924.39  568.01
15975.51   573.516024.52  583.4416114.87   609.716134.22  612.4416377.05  643.72
 16825.3      64917268.68  652.8319419.59   651.419536.96   651.419770.74  651.65
 20127.2  643.7621131.93  644.84 21394.1  646.5623100.96  648.2823490.45   649.1
23921.48   652.724584.04  660.2924812.18  661.7225947.34  661.7226594.46  653.44
26873.38  653.4427458.06  651.7227700.16  650.72 27874.9  651.32 28017.5  650.68
28168.88  651.8228468.35   655.828796.04  658.7129914.51     68530591.08  685.88
31576.98  745.1331722.32  745.3232350.78  696.4632386.13   696.534009.33  764.86
   35072  759.2835273.12  759.1835631.54  777.9335673.77  778.1835986.04   771.8
36323.83  782.1436484.87  783.1237273.58     79037982.38  791.1438339.82     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 15353.4     .1516024.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       15353.416024.52                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.04    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1489375.00   126571.90   1661829.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1489375.00   126571.90   1661829.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3132027.00   390827.60   3207145.00
  Top Width (ft)          32965.88    Top Width (ft)          14077.02     671.12   18217.74
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)            2.10       3.09       1.93
  Max Chl Dpth (ft)         191.97    Hydr. Depth (ft)          105.80     188.60      91.22
  Conv. Total (cfs)       708662900.0    Conv. (cfs)             329799600.0   41153800.0   337709500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14092.59     673.11   18229.33
  Min Ch El (ft)            568.01    Shear (lb/sq ft)            0.60       1.06       0.51
  Alpha                       1.04    Stream Power (lb/ft s)      1.25       3.27       0.99
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    160364.30   25165.96   189603.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1478.45     123.75    1818.59


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276382.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  176.87  793.78  575.46   780.2 1212.37   762.3 1372.63   756.5
 1628.59  748.91 1778.69  748.27 2092.58  748.27 2392.22   747.8 3196.99  715.91
 3261.35   712.7 3343.14  711.73 3353.28  711.68    3534  719.06 3695.23  718.27
 3823.37  717.44 3960.95  713.97 4297.26  705.94 4707.13  697.43 5012.16  696.81
 5143.42  695.43 5286.25  692.48  5347.7  690.23 5673.21  687.47 5986.81  686.04
 6113.31  686.54 6310.95  683.08 6460.42  681.35 6524.36  679.62 6568.37  679.62
 6703.43  680.83 6898.77  690.84 6955.33   687.9 7071.58  682.54 7397.92  664.35
 7440.94  662.96 7579.78  653.08 7843.01  626.83 7855.66  625.31 8010.75  620.82
 8135.31  619.79 8363.66  621.35 8520.61  620.05 8685.02  615.23 8852.24  612.91
 8981.78  595.66 8997.25  595.57  9077.8  592.11 9228.93  586.92 9280.41  586.92
 9318.15   588.5 9432.02  618.07  9528.7  622.11 9877.03  620.64 10019.1  611.77
10069.24  603.2910260.41  602.48 10487.1  618.0610756.84  616.9211327.32  615.19
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12641.14  615.1912857.38  606.9213413.25  606.92 13840.9  608.6513894.88  610.38
14158.99  609.1314165.26  600.8314261.08  599.7214853.14  588.6915357.19  583.46
15385.73  580.3115486.24   575.315512.17  572.2815552.98  568.0115929.37  568.01
15980.66  573.4916029.84  583.4616120.17  609.6916139.52  612.4416382.33  643.69
16830.53  648.9717273.87  652.7819424.54  651.3519541.91  651.3519775.66   651.6
20132.08  643.7221136.71  644.8121398.85  646.5423105.52  648.2723494.97  649.09
23925.96   652.724588.45   660.324816.56  661.73 25951.6  661.7326598.65  653.46
26877.54  653.4627462.15  651.7327704.23  650.7327878.95  651.3228021.54  650.66
 28172.9  651.8128472.34   655.8   28800   658.729918.34  684.9730594.85  685.86
31580.64  745.0431725.96  745.2332354.35  696.44 32389.7  696.4834012.72  764.77
35075.29  759.2135276.39  759.1235634.77  777.8635676.99  778.1135989.22  771.76
36326.98  782.09   36488  783.0837276.63     79037985.36  791.1538342.75     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515357.19     .1516029.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15357.1916029.84               5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.04    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1489444.00   126852.90   1662101.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1489444.00   126852.90   1662101.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3131110.00   391602.20   3207288.00
  Top Width (ft)          32985.96    Top Width (ft)          14080.60     672.65   18232.72
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)            2.10       3.09       1.93
  Max Chl Dpth (ft)         191.97    Hydr. Depth (ft)          105.78     188.59      91.16
  Conv. Total (cfs)       708805900.0    Conv. (cfs)            329769600.0   41243670.0   337792600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14096.13     674.64   18244.29
  Min Ch El (ft)            568.01    Shear (lb/sq ft)            0.59       1.06       0.51
  Alpha                       1.04    Stream Power (lb/ft s)      1.25       3.27       0.99
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    160193.30   25151.41   189412.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1476.83     123.67    1816.50


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276379.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  176.92  793.77   575.6  780.19 1212.67   762.3 1372.97  756.49
 1628.99   748.9 1779.13  748.26 2093.09  748.26 2392.81  747.79 3197.78  715.93
 3262.16  712.71 3343.97  711.74 3354.11  711.69 3534.88  719.06 3696.14  718.26
 3824.31  717.42 3961.93  713.95 4298.32  705.92 4708.29  697.42  5013.4  696.79
 5144.69  695.41 5287.55  692.46 5349.02   690.2 5674.61  687.44 5988.29  686.02
 6114.82  686.52  6312.5  683.04 6462.01   681.3 6525.97  679.56 6569.99  679.56
 6705.08  680.77 6900.48  690.79 6957.04  687.85 7073.33  682.51 7399.75  664.36
 7442.78  662.97 7581.65  653.13 7844.95  626.92  7857.6   625.4 8012.73  620.89
 8137.32  619.86 8365.73  621.45 8522.71  620.15 8687.17  615.31 8854.43  612.99
    8984  595.75 8999.47  595.66 9080.04  592.18 9231.21  586.96 9282.71  586.96
 9320.45  588.55 9434.34  618.11 9531.05  622.18 9879.47   620.710021.58  611.84
10071.73  603.3610262.95  602.5510489.69  618.11 10759.5  616.9611330.12  615.22
12644.26  615.2212860.55  606.9613416.56  606.9613844.32   608.713898.31  610.44
14162.49  609.1914168.76   600.9 14264.6  599.7814856.81  588.7115360.98  583.48
15389.66  580.3215490.66  575.3215516.71  572.2815557.72  568.0115934.35  568.01
15985.81  573.4916035.16  583.4816125.48  609.6916144.83  612.4416387.61  643.65
16835.76  648.9317279.05  652.74 19429.5   651.319546.85   651.319780.58  651.56
20136.96  643.6821141.48  644.7821403.59  646.5223110.08  648.2623499.49  649.09
23930.43  652.6924592.85  660.3124820.94  661.7425955.86  661.7426602.84  653.48
 26881.7  653.4827466.25  651.74 27708.3  650.73   27883  651.3228025.57  650.65
28176.92  651.7928476.33  655.7928803.95  658.6929922.18  684.9530598.61  685.84
 31584.3  744.96 31729.6  745.1532357.93  696.4132393.27  696.4634016.12  764.68
35078.57  759.1335279.65  759.0635637.99  777.7935680.21  778.0535992.41  771.71
36330.13  782.0536491.14  783.0437279.68     79037988.33  791.1638345.69     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515360.98     .1516035.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15360.9816035.16               5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.04    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1489515.00   127133.50   1662359.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1489515.00   127133.50   1662359.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3130225.00   392377.90   3207397.00
  Top Width (ft)          33007.78    Top Width (ft)          14084.17     674.18   18249.43
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)            2.10       3.09       1.93
  Max Chl Dpth (ft)         191.97    Hydr. Depth (ft)          105.76     188.58      91.09
  Conv. Total (cfs)       708943900.0    Conv. (cfs)            329740500.0   41333420.0   337869900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14099.69     676.17   18260.99
  Min Ch El (ft)            568.01    Shear (lb/sq ft)            0.59       1.06       0.51
  Alpha                       1.04    Stream Power (lb/ft s)      1.25       3.26       0.99
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    160022.30   25136.84   189221.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1475.22     123.60    1814.40


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276376.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
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       0     800  176.96  793.77  575.74  780.17 1212.96  762.29 1373.31  756.48
 1629.39   748.9 1779.57  748.25 2093.61  748.25  2393.4  747.78 3198.57  715.94
 3262.96  712.73 3344.79  711.75 3354.94   711.7 3535.75  719.05 3697.05  718.25
 3825.26  717.41 3962.91  713.93 4299.38   705.9 4709.45   697.4 5014.64  696.77
 5145.96  695.39 5288.86  692.43 5350.34  690.16 5676.01   687.4 5989.76     686
 6116.33   686.5 6314.06     683 6463.61  681.25 6527.58   679.5 6571.61   679.5
 6706.74  680.72 6902.18  690.74 6958.76  687.81 7075.07  682.48 7401.58  664.37
 7444.62  662.99 7583.52  653.19 7846.89  627.01 7859.54  625.49 8014.71  620.97
 8139.33  619.93  8367.8  621.54 8524.82  620.25 8689.31  615.38 8856.62  613.06
 8986.21  595.84 9001.69  595.75 9082.28  592.25 9233.49     587    9285     587
 9322.75   588.6 9436.67  618.16 9533.41  622.25 9881.91  620.7610024.05   611.9
10074.22  603.4410265.48  602.6210492.28  618.1510762.15     61711332.91  615.25
12647.38  615.2512863.73     60713419.88     60713847.74  608.7513901.74   610.5
14165.99  609.2414172.26  600.9614268.12  599.8414860.48  588.7415364.78   583.5
15393.59  580.3315495.07  575.3315521.25  572.2915562.45  568.0115939.33  568.01
15990.96  573.4816040.47   583.516130.79  609.6916150.13  612.4416392.89  643.61
16840.99   648.917284.23   652.719434.45  651.2519551.79  651.25 19785.5  651.51
20141.84  643.6521146.25  644.7521408.34   646.523114.65  648.2523504.01  649.08
 23934.9  652.6924597.25  660.3324825.32  661.7525960.12  661.7526607.03   653.5
26885.86   653.527470.35  651.7527712.38  650.7327887.05  651.3228029.61  650.64
28180.94  651.7828480.31  655.78 28807.9  658.6829926.01  684.9230602.37  685.81
31587.96  744.8731733.24  745.06 32361.5  696.3932396.84  696.4434019.52  764.59
35081.85  759.0635282.91     75935641.21  777.7235683.43  777.9835995.59  771.66
36333.29     78236494.27     78337282.73     790 37991.3  791.1638348.62     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1515364.78     .1516040.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15364.7816040.47                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.04    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1489596.00   127411.40   1662624.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1489596.00   127411.40   1662624.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3129334.00   393144.80   3207521.00
  Top Width (ft)          33028.22    Top Width (ft)          14087.92     675.69   18264.61
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)            2.10       3.09       1.93
  Max Chl Dpth (ft)         191.96    Hydr. Depth (ft)          105.74     188.57      91.03
  Conv. Total (cfs)       709085100.0    Conv. (cfs)             329712400.0   41422460.0   337950200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14103.42     677.68   18276.15
  Min Ch El (ft)            568.01    Shear (lb/sq ft)            0.59       1.06       0.51
  Alpha                       1.04    Stream Power (lb/ft s)      1.25       3.26       0.99
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    159851.30   25122.23   189030.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1473.60     123.52    1812.31


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276373.*

INPUT
Description:
Station Elevation Data    num=     120
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800     177  793.77  575.89  780.16 1213.26  762.29 1373.65  756.48
 1629.79  748.89 1780.01  748.24 2094.13  748.24 2393.99  747.76 3199.36  715.96
 3263.77  712.74 3345.62  711.76 3355.77  711.71 3536.62  719.05 3697.96  718.24
  3826.2  717.39 3963.88  713.91 4300.44  705.88 4710.62  697.39 5015.88  696.75
 5147.23  695.37 5290.16   692.4 5351.66  690.12 5677.41  687.37 5991.24  685.97
 6117.84  686.48 6315.62  682.96  6465.2   681.2 6529.19  679.44 6573.23  679.44
 6708.39  680.67 6903.89  690.69 6960.48  687.76 7076.82  682.45 7403.41  664.38
 7446.45  663.01 7585.39  653.25 7848.82   627.1 7861.48  625.57 8016.69  621.04
 8141.34  620.01 8369.86  621.64 8526.92  620.34 8691.46  615.46  8858.8  613.14
 8988.43  595.93 9003.92  595.84 9084.52  592.32 9235.77  587.04 9287.29  587.04
 9325.05  588.65    9439  618.21 9535.76  622.32 9884.35  620.8210026.52  611.97
 10076.7  603.5210268.01  602.6910494.87   618.210764.81  617.0411335.71  615.28
 12650.5  615.28 12866.9  607.0413423.19  607.0413851.16   608.813905.17  610.56
14169.48  609.2914175.76  601.0214271.64   599.914864.15  588.7615368.57  583.52
15397.52  580.3415499.48  575.3515525.79   572.315567.18  568.01 15944.3  568.01
15996.12  573.4816045.79  583.5216136.09  609.6916155.44  612.4316398.17  643.58
16846.22  648.8617289.42  652.6619439.41   651.219556.73   651.219790.41  651.46
20146.72  643.6121151.02  644.7221413.08  646.4823119.21  648.2423508.53  649.08
23939.38  652.6924601.65  660.34 24829.7  661.7625964.38  661.7626611.22  653.52
26890.02  653.5227474.44  651.7627716.45  650.7427891.11  651.3128033.65  650.63
28184.96  651.76 28484.3  655.7828811.86  658.6829929.84  684.8930606.13  685.79
31591.61  744.7831736.88  744.9832365.07  696.3732400.41  696.4234022.91   764.5
35085.14  758.9935286.17  758.9335644.44  777.6535686.64  777.9135998.78  771.61
36336.43  781.9636497.41  782.9637285.78     79037994.27  791.1738351.56     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1515368.57     .1516045.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15368.5716045.79                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.04    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1489672.00   127691.80   1662879.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1489672.00   127691.80   1662879.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3128474.00   393917.50   3207609.00
  Top Width (ft)          33048.66    Top Width (ft)          14091.39     677.22   18280.05
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)            2.10       3.08       1.93
  Max Chl Dpth (ft)         191.96    Hydr. Depth (ft)          105.72     188.55      90.97
  Conv. Total (cfs)       709225000.0    Conv. (cfs)             329686700.0   41512050.0   338026200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14106.86     679.21   18291.58
  Min Ch El (ft)            568.01    Shear (lb/sq ft)            0.59       1.06       0.51
  Alpha                       1.04    Stream Power (lb/ft s)      1.25       3.26       0.99
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    159680.40   25107.59   188839.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1471.98     123.44    1810.21
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Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276370.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  177.05  793.76  576.03  780.15 1213.56  762.29 1373.99  756.47
  1630.2  748.88 1780.45  748.23 2094.64  748.23 2394.58  747.75 3200.15  715.98
 3264.57  712.76 3346.44  711.77 3356.59  711.72 3537.49  719.04 3698.88  718.23
 3827.14  717.38 3964.86   713.9  4301.5  705.86 4711.78  697.37 5017.11  696.73
  5148.5  695.35 5291.47  692.38 5352.98  690.09 5678.81  687.34 5992.72  685.95
 6119.35  686.46 6317.18  682.92  6466.8  681.15  6530.8  679.38 6574.86  679.38
 6710.05  680.62 6905.59  690.63  6962.2  687.72 7078.57  682.43 7405.23  664.38
 7448.29  663.03 7587.27   653.3 7850.76  627.19 7863.42  625.66 8018.66  621.11
 8143.35  620.08 8371.93  621.73 8529.03  620.44  8693.6  615.54 8860.99  613.21
 8990.65  596.02 9006.14  595.93 9086.77  592.39 9238.05  587.08 9289.58  587.08
 9327.36  588.69 9441.33  618.25 9538.11  622.39 9886.79  620.88   10029  612.04
10079.19  603.5910270.55  602.7710497.46  618.2510767.47  617.0811338.51  615.31
12653.62  615.3112870.08  607.08 13426.5  607.0813854.58  608.85 13908.6  610.62
14172.98  609.3414179.25  601.0814275.17  599.9614867.82  588.7915372.36  583.54
15401.46  580.35 15503.9  575.3715530.33  572.3115571.92  568.0115949.28  568.01
16001.27  573.4816051.11  583.54 16141.4  609.6916160.75  612.4316403.45  643.54
16851.46  648.83 17294.6  652.6219444.36  651.1519561.67  651.1519795.33  651.41
 20151.6  643.5821155.79  644.6921417.82  646.4623123.77  648.2323513.05  649.07
23943.85  652.6824606.06  660.3524834.08  661.7725968.63  661.7726615.41  653.54
26894.18  653.5427478.54  651.7727720.52  650.7427895.16  651.3128037.69  650.61
28188.98  651.7528488.29  655.7728815.81  658.6729933.68  684.8630609.89  685.76
31595.27   744.731740.52  744.8932368.65  696.3532403.98   696.434026.31  764.42
35088.42  758.9235289.43  758.8735647.66  777.5735689.87  777.8436001.96  771.57
36339.58  781.9136500.54  782.9237288.83     79037997.25  791.18 38354.5     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515372.36     .1516051.11     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15372.3616051.11                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.04    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1489740.00   127972.00   1663144.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)             1489740.00   127972.00   1663144.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3127563.00   394688.30   3207749.00
  Top Width (ft)          33068.55    Top Width (ft)           14094.96     678.75   18294.84
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)            2.10       3.08       1.93
  Max Chl Dpth (ft)         191.96    Hydr. Depth (ft)          105.69     188.54      90.91
  Conv. Total (cfs)       709366200.0    Conv. (cfs)            329656400.0   41601560.0   338108300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         14110.42     680.74   18306.35
  Min Ch El (ft)            568.01    Shear (lb/sq ft)            0.59       1.06       0.51
  Alpha                       1.04    Stream Power (lb/ft s)      1.25       3.26       0.98
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    159509.40   25092.91   188648.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1470.36     123.36    1808.11


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276367.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  177.09  793.76  576.17  780.14 1213.86  762.28 1374.33  756.46
  1630.6  748.88 1780.89  748.22 2095.16  748.22 2395.17  747.74 3200.94  715.99
 3265.38  712.78 3347.27  711.78 3357.42  711.73 3538.37  719.04 3699.79  718.22
 3828.09  717.36 3965.84  713.88 4302.56  705.84 4712.94  697.36 5018.35  696.72
 5149.77  695.33 5292.78  692.35  5354.3  690.05 5680.21   687.3  5994.2  685.93
 6120.86  686.44 6318.74  682.88 6468.39   681.1 6532.41  679.32 6576.48  679.32
 6711.71  680.56 6907.29  690.58 6963.92  687.67 7080.31   682.4 7407.06  664.39
 7450.13  663.04 7589.14  653.36  7852.7  627.27 7865.36  625.75 8020.64  621.18
 8145.35  620.15 8373.99  621.83 8531.13  620.54 8695.75  615.62 8863.17  613.29
 8992.87  596.11 9008.36  596.02 9089.01  592.46 9240.33  587.12 9291.87  587.12
 9329.66  588.74 9443.66   618.3 9540.47  622.46 9889.23  620.9510031.47  612.11
10081.68  603.6710273.08  602.8410500.05  618.2910770.12  617.1211341.31  615.34
12656.75  615.3412873.25  607.1213429.82  607.1213857.99   608.913912.04  610.68
14176.48   609.414182.75  601.1514278.69  600.0214871.49  588.8215376.15  583.56
15405.38  580.3715508.31  575.3915534.86  572.3215576.65     56815954.26     568
16006.42  573.4716056.43  583.5616146.71  609.6916166.05  612.4316408.73  643.51
16856.69  648.7917299.79  652.5819449.32   651.119566.62   651.119800.25  651.36
20156.47  643.5421160.56  644.6621422.57  646.4423128.33  648.2223517.57  649.06
23948.33  652.6824610.46  660.3624838.46  661.7825972.89  661.7826619.59  653.56
26898.33  653.5627482.63  651.7827724.59  650.7527899.21  651.3128041.72   650.6
   28193  651.7428492.28  655.7628819.76  658.6629937.51  684.8330613.66  685.74
31598.93  744.6131744.16  744.8132372.22  696.3332407.55  696.3834029.71  764.33
 35091.7  758.85 35292.7  758.8135650.89   777.535693.09  777.7736005.15  771.52
36342.73  781.8736503.67  782.8837291.88     79038000.22  791.1838357.43     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515376.15     .1516056.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15376.1516056.43                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.04    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1489809.00   128256.20   1663410.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)             1489809.00   128256.20   1663410.00
```

```
  Q Total (cfs)           6730000.00    Flow (cfs)              3126644.00   395480.50   3207876.00
  Top Width (ft)          33089.28    Top Width (ft)          14098.70     680.28   18310.30
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)            2.10       3.08       1.93
  Max Chl Dpth (ft)         191.97    Hydr. Depth (ft)          105.67     188.53      90.85
  Conv. Total (cfs)       709504800.0    Conv. (cfs)             329623900.0   41693210.0   338187700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14114.13     682.27   18321.79
  Min Ch El (ft)            568.00    Shear (lb/sq ft)            0.59       1.06       0.51
  Alpha                       1.04    Stream Power (lb/ft s)      1.24       3.26       0.98
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    159338.40   25078.21   188457.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1468.75     123.28    1806.01


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276364.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  177.13  793.75  576.31  780.13 1214.46  762.28 1374.66  756.45
    1631  748.87 1781.33  748.21 2095.68  748.21 2395.76  747.72 3201.73  716.01
 3266.19  712.79 3348.09  711.79 3358.25  711.74 3539.24  719.03  3700.7  718.21
 3829.03  717.35 3966.82  713.86 4303.62  705.83  4714.1  697.34 5019.59   696.7
 5151.04  695.31 5294.08  692.32 5355.62  690.01 5681.62  687.27 5995.68  685.91
 6122.37  686.42  6320.3  682.84 6469.99  681.05 6534.02  679.26  6578.1  679.26
 6713.36  680.51    6909  690.53 6965.63  687.62 7082.06  682.37 7408.89   664.4
 7451.97  663.06 7591.01  653.42 7854.63  627.36  7867.3  625.84 8022.62  621.25
 8147.36  620.23 8376.06  621.92 8533.23  620.63 8697.89   615.7 8865.36  613.36
 8995.09   596.2 9010.58  596.11 9091.25  592.53 9242.61  587.16 9294.17  587.16
 9331.96  588.79 9445.99  618.35 9542.82  622.53 9891.67  621.0110033.95  612.18
10084.17  603.7510275.62  602.9110502.64  618.3410772.78  617.16 11344.1  615.37
12659.87  615.3712876.43  607.1613433.13  607.1613861.41  608.9513915.47  610.74
14179.97  609.4514186.25  601.2114282.21  600.0814875.16  588.8415379.95  583.58
15409.32  580.3815512.72   575.4 15539.4  572.3315581.39     56815959.24     568
16011.57  573.4716061.74  583.5816152.02  609.6816171.36  612.4216414.01  643.47
16861.92  648.7617304.97  652.5319454.27  651.0519571.56  651.0519805.16  651.31
20161.35   643.521165.34  644.6321427.31  646.4223132.89  648.2123522.09  649.06
 23952.8  652.6824614.87  660.3724842.84  661.7925977.15  661.7926623.78  653.58
26902.49  653.5827486.73  651.7927728.66  650.7527903.26  651.3128045.76  650.59
28197.03  651.7228496.27  655.7628823.72  658.6529941.35   684.830617.42  685.72
31602.58  744.52 31747.8  744.72 32375.8  696.3132411.12  696.3634033.11  764.24
35094.99  758.7835295.96  758.7435654.11  777.43 35696.3   777.736008.34  771.47
36345.88  781.82 36506.8  782.8437294.93     790 38003.2  791.1938360.36     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515379.95     .1516061.74     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15379.9516061.74                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.04    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1489889.00   128533.60   1663694.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1489889.00   128533.60   1663694.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3125749.00   396240.10   3208011.00
  Top Width (ft)          33110.12    Top Width (ft)          14102.28     681.79   18326.04
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)            2.10       3.08       1.93
  Max Chl Dpth (ft)         191.97    Hydr. Depth (ft)          105.65     188.52      90.78
  Conv. Total (cfs)       709652100.0    Conv. (cfs)             329598000.0   41781970.0   338272200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14117.69     683.78   18337.51
  Min Ch El (ft)            568.00    Shear (lb/sq ft)            0.59       1.06       0.51
  Alpha                       1.04    Stream Power (lb/ft s)      1.24       3.25       0.98
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    159167.30   25063.47   188267.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1467.13     123.21    1803.91


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276361.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  177.18  793.75  576.45  780.11 1214.46  762.28    1375  756.44
  1631.4  748.87 1781.77   748.2 2096.19   748.2 2396.35  747.71 3202.52  716.03
 3266.99  712.81 3348.92   711.8 3359.08  711.75 3540.11  719.02 3701.61   718.2
 3829.98  717.33  3967.8  713.85 4304.69  705.81 4715.27  697.33 5020.83  696.68
 5152.31   695.3 5295.39  692.29 5356.94  689.98 5683.02  687.24 5997.16  685.88
 6123.88   686.4 6321.86   682.8 6471.58     681 6535.64   679.2 6579.72   679.2
 6715.02  680.46  6910.7  690.47 6967.35  687.58 7083.81  682.35 7410.71   664.4
  7453.8  663.08 7592.88  653.47 7856.57  627.45 7869.24  625.93  8024.6  621.32
 8149.37   620.3 8378.12  622.02 8535.34  620.73 8700.04  615.78 8867.55  613.44
 8997.31  596.29 9012.81   596.2 9093.49   592.6 9244.88   587.2 9296.46   587.2
 9334.26  588.84 9448.32  618.39 9545.17   622.6 9894.11  621.0710036.42  612.24
10086.65  603.8210278.15  602.9810505.23  618.3910775.44   617.2 11346.9   615.4
12662.99   615.4 12879.6   607.213436.44   607.213864.83     609 13918.9   610.8
14183.47  609.514189.75  601.2714285.73  600.1414878.82  588.8715383.74   583.6
15413.25  580.3915517.14  575.4215543.94  572.3415586.12     56815964.22     568
16016.72  573.4616067.06   583.616157.32  609.6816176.66  612.4216419.29  643.43
16867.15  648.7217310.15  652.4919459.23     651 19576.5     65119810.08  651.26
20166.23  643.4721170.11   644.621432.05   646.423137.46   648.223526.61  649.05
23957.28  652.6724619.27  660.3824847.22   661.825981.41   661.826627.97   653.6
26906.65   653.627490.83   651.827732.73  650.7527907.31  651.31 28049.8  650.57
28201.04  651.7128500.26  655.7528827.67  658.6529945.18  684.7730621.18  685.69
31606.24  744.4431751.45  744.6332379.37  696.2932414.69  696.34 34036.5  764.15
35098.27   758.735299.22  758.6835657.34  777.3635699.52  777.6336011.52  771.42
36349.04  781.7736509.94   782.837297.97     79038006.17   791.2 38363.3     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
```

```
       0     .1515383.74     .1516067.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15383.7416067.06                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.04    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1489953.00   128814.10   1663970.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1489953.00   128814.10   1663970.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3124837.00   397012.90   3208150.00
  Top Width (ft)          33132.37    Top Width (ft)          14105.85     683.32   18343.20
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)            2.10       3.08       1.93
  Max Chl Dpth (ft)         191.97    Hydr. Depth (ft)          105.63     188.51      90.71
  Conv. Total (cfs)       709791000.0    Conv. (cfs)            329566300.0   41871650.0   338353000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14121.24     685.31   18354.65
  Min Ch El (ft)            568.00    Shear (lb/sq ft)            0.59       1.05       0.51
  Alpha                       1.04    Stream Power (lb/ft s)      1.24       3.25       0.98
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    158996.30   25048.70   188076.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1465.51     123.13    1801.80


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276358.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  177.22  793.74   576.6   780.1 1214.76  762.28 1375.34  756.44
  1631.8  748.86  1782.2  748.19 2096.71  748.19 2396.94   747.7 3203.31  716.05
  3267.8  712.82 3349.75  711.81 3359.91  711.76 3540.99  719.02 3702.53  718.19
 3830.92  717.32 3968.78  713.83 4305.75  705.79 4716.43  697.31 5022.07  696.66
 5153.58  695.28 5296.69  692.27 5358.26  689.94 5684.42  687.21 5998.64  685.86
 6125.39  686.38 6323.42  682.76 6473.18  680.95 6537.25  679.14 6581.34  679.14
 6716.67   680.4 6912.41  690.42 6969.07  687.53 7085.55  682.32 7412.54  664.41
 7455.64  663.09 7594.76  653.53 7858.51  627.54 7871.18  626.02 8026.58   621.4
 8151.38  620.37 8380.19  622.12 8537.44  620.83 8702.18  615.85 8869.73  613.51
 8999.52  596.38 9015.03  596.29 9095.73  592.67 9247.16  587.24 9298.75  587.24
 9336.56  588.89 9450.65  618.44 9547.53  622.67 9896.55  621.13 10038.9  612.31
10089.14   603.910280.68  603.0510507.82  618.43 10778.1  617.24 11349.7  615.43
12666.11  615.4312882.78  607.2413439.75  607.2413868.25  609.0513922.33  610.86
14186.97  609.5514193.25  601.3314289.26   600.214882.49  588.8915387.53  583.62
15417.18   580.415521.55  575.4415548.48  572.3515590.85     568 15969.2     568
16021.87  573.4616072.38  583.6216162.63  609.6816181.97  612.4216424.57   643.4
16872.38  648.6917315.34  652.4519464.18  650.9519581.44  650.95   19815  651.22
20171.11  643.4321174.88  644.57 21436.8  646.3823142.02  648.1923531.13  649.05
23961.75  652.6724623.67   660.4 24851.6  661.8125985.66  661.8126632.16  653.62
26910.81  653.6227494.93  651.81 27736.8  650.7627911.37  651.3128053.83  650.56
28205.07  651.6928504.25  655.7428831.62  658.6429949.02  684.7430624.94  685.67
 31609.9  744.3531755.09  744.5532382.95  696.2732418.26  696.32 34039.9  764.06
35101.55  758.6335302.48  758.6235660.56  777.2935702.75  777.5636014.71  771.37
36352.18  781.7336513.07  782.7637301.02     79038009.14   791.238366.23     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515387.53     .1516072.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15387.5316072.38                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.04    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1490028.00   129094.30   1664225.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1490028.00   129094.30   1664225.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3123983.00   397784.10   3208233.00
  Top Width (ft)          33153.11    Top Width (ft)          14109.31     684.85   18358.95
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)            2.10       3.08       1.93
  Max Chl Dpth (ft)         191.97    Hydr. Depth (ft)          105.61     188.50      90.65
  Conv. Total (cfs)       709929100.0    Conv. (cfs)            329540400.0   41961150.0   338427600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14124.68     686.84   18370.38
  Min Ch El (ft)            568.00    Shear (lb/sq ft)            0.59       1.05       0.51
  Alpha                       1.04    Stream Power (lb/ft s)      1.24       3.25       0.98
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    158825.30   25033.90   187885.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1463.89     123.05    1799.70


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276355.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  177.27  793.74  576.74  780.09 1215.06  762.27 1375.68  756.43
 1632.21  748.85 1782.64  748.18 2097.23  748.18 2397.53  747.69  3204.1  716.06
  3268.6  712.84 3350.57  711.82 3360.73  711.77 3541.86  719.01 3703.44  718.18
 3831.87   717.3 3969.75  713.81 4306.81  705.77 4717.59   697.3  5023.3  696.64
 5154.85  695.26    5298  692.24 5359.58   689.9 5685.82  687.17 6000.11  685.84
  6126.9  686.36 6324.97  682.72 6474.78   680.9 6538.86  679.08 6582.97  679.08
 6718.33  680.35 6914.11  690.37 6970.79  687.49  7087.3  682.29 7414.37  664.42
 7457.48  663.11 7596.63  653.59 7860.45  627.63 7873.12  626.11 8028.56  621.47
 8153.39  620.44 8382.26  622.21 8539.55  620.92 8704.33  615.93 8871.92  613.59
 9001.74  596.47 9017.25  596.38 9097.98  592.74 9249.44  587.28 9301.04  587.28
 9338.86  588.94 9452.98  618.49 9549.88  622.74 9898.99  621.1910041.37  612.38
10091.63  603.9810283.22  603.1310510.41  618.4810780.75  617.28 11352.5  615.46
12669.24  615.4612885.96  607.2813443.07  607.2813871.67   609.113925.76  610.92
14190.47  609.6114196.75   601.414292.78  600.2614886.16  588.9215391.33  583.64
15421.11  580.4115525.96  575.4615553.02  572.3615595.59     56815974.18     568
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16027.03  573.4616077.69  583.6416167.94  609.6816187.27  612.4216429.85  643.36
16877.62  648.6517320.52  652.4119469.14   650.919586.38   650.919819.92  651.17
20175.99  643.3921179.65  644.5421441.54  646.3623146.58  648.1823535.65  649.04
23966.22  652.6724628.07  660.4124855.97  661.8225989.92  661.8226636.35  653.64
26914.97  653.6427499.02  651.8227740.87  650.7627915.42   651.328057.87  650.55
28209.09  651.6828508.24  655.7328835.58  658.6329952.85  684.7130628.71  685.65
31613.55  744.2631758.73  744.4632386.52  696.2532421.83   696.3 34043.3  763.98
35104.84  758.5635305.75  758.5635663.79  777.2235705.96   777.5 36017.9  771.33
36355.34  781.68 36516.2  782.7237304.07     79038012.11  791.2138369.17     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515391.33     .1516077.69     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15391.3316077.69                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.04    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1490099.00   129371.00   1664501.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1490099.00   129371.00   1664501.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3123065.00   398543.10   3208392.00
  Top Width (ft)          33173.52    Top Width (ft)          14113.06     686.36   18374.09
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)            2.10       3.08       1.93
  Max Chl Dpth (ft)         191.97    Hydr. Depth (ft)          105.58     188.49      90.59
  Conv. Total (cfs)       710069600.0    Conv. (cfs)            329508700.0   42049540.0   338511400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14128.41     688.35   18385.51
  Min Ch El (ft)            568.00    Shear (lb/sq ft)            0.59       1.05       0.51
  Alpha                       1.04    Stream Power (lb/ft s)      1.24       3.25       0.98
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    158654.30   25019.06   187693.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1462.27     122.97    1797.59


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276353.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  177.31  793.73  576.88  780.08 1215.36  762.27 1376.02  756.42
 1632.61  748.85 1783.08  748.17 2097.75  748.17 2398.12  747.67 3204.89  716.08
 3269.41  712.85  3351.4  711.83 3361.56  711.78 3542.73  719.01 3704.35  718.17
 3832.81  717.29 3970.73   713.8 4307.87  705.75 4718.75  697.28 5024.54  696.62
 5156.12  695.24  5299.3  692.21  5360.9  689.87 5687.22  687.14 6001.59  685.81
 6128.41  686.34 6326.53  682.68 6476.37  680.85 6540.47  679.02 6584.59  679.02
 6719.98   680.3 6915.81  690.32 6972.51  687.44 7089.05  682.26  7416.2  664.42
 7459.32  663.13  7598.5  653.64 7862.38  627.72 7875.06  626.19 8030.53  621.54
  8155.4  620.52 8384.32  622.31 8541.65  621.02 8706.48  616.01 8874.11  613.66
 9003.96  596.56 9019.47  596.47 9100.22  592.81 9251.72  587.32 9303.33  587.32
 9341.17  588.99 9455.31  618.53 9552.23  622.81 9901.42  621.2510043.85  612.45
10094.11  604.0510285.75   603.2   10513  618.5310783.41  617.3211355.29  615.49
12672.36  615.4912889.13  607.3213446.38  607.3213875.09  609.15 13929.2  610.98
14193.96  609.6614200.25  601.46 14296.3  600.3214889.83  588.9415395.12  583.66
15425.04  580.4215530.38  575.4815557.55  572.3715600.32     56815979.16     568
16032.18  573.4516083.01  583.6616173.25  609.6816192.58  612.4116435.12  643.32
16882.85  648.6217325.71  652.3719474.09  650.8519591.33  650.8519824.83  651.12
20180.87  643.3621184.42  644.5121446.29  646.3423151.14  648.1723540.17  649.04
 23970.7  652.6624632.48  660.4224860.35  661.8325994.18  661.8326640.54  653.66
26919.13  653.6627503.12  651.8327744.94  650.7727919.47   651.328061.91  650.54
28213.11  651.6628512.22  655.7328839.53  658.6229956.69  684.6830632.47  685.62
31617.21  744.1831762.37  744.38 32390.1  696.23 32425.4  696.28 34046.7  763.89
35108.12  758.4935309.01  758.4935667.01  777.1535709.18  777.4336021.08  771.28
36358.48  781.6436519.34  782.6837307.12     79038015.09  791.2238372.11     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515395.12     .1516083.01     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15395.1216083.01                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.04    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1490178.00   129651.50   1664771.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1490178.00   129651.50   1664771.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3122196.00   399313.00   3208491.00
  Top Width (ft)          33194.73    Top Width (ft)          14116.63     687.89   18390.21
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)            2.10       3.08       1.93
  Max Chl Dpth (ft)         191.97    Hydr. Depth (ft)          105.56     188.48      90.52
  Conv. Total (cfs)       710211500.0    Conv. (cfs)            329482800.0   42139180.0   338589500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14131.96     689.88   18401.61
  Min Ch El (ft)            568.00    Shear (lb/sq ft)            0.59       1.05       0.51
  Alpha                       1.04    Stream Power (lb/ft s)      1.24       3.24       0.98
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    158483.20   25004.20   187502.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1460.65     122.89    1795.48


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276350.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  177.35  793.73  577.02  780.06 1215.66  762.27 1376.36  756.41
 1633.01  748.84 1783.52  748.16 2098.26  748.16 2398.71  747.66 3205.68   716.1
 3270.21  712.87 3352.22  711.84 3362.39  711.79  3543.6     719 3705.26  718.16
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 3833.75  717.27 3971.71  713.78 4308.93  705.73 4719.92  697.27 5025.78  696.61
 5157.39  695.22 5300.61  692.19 5362.23  689.83 5688.62  687.11 6003.07  685.79
 6129.92  686.32 6328.09  682.64 6477.97   680.8 6542.08  678.96 6586.21  678.96
 6721.64  680.24 6917.52  690.26 6974.22   687.4 7090.79  682.24 7418.02  664.43
 7461.16  663.15 7600.37   653.7 7864.32   627.8    7877  626.28 8032.51  621.61
 8157.41  620.59 8386.39   622.4 8543.76  621.12 8708.62  616.09 8876.29  613.73
 9006.18  596.65 9021.69  596.56 9102.46  592.88    9254  587.36 9305.63  587.36
 9343.47  589.04 9457.64  618.58 9554.59  622.88 9903.86  621.3110046.32  612.52
 10096.6  604.1310288.29  603.2710515.59  618.5710786.07  617.3611358.09  615.52
12675.48  615.5212892.31  607.3613449.69  607.36 13878.5   609.213932.63  611.04
14197.46  609.7114203.74  601.5214299.82  600.38 14893.5  588.9715398.91  583.68
15428.97  580.4415534.79  575.4915562.09  572.3815605.06     56815984.14     568
16037.33  573.4516088.33  583.6816178.55  609.6816197.88  612.41 16440.4  643.29
16888.08  648.5817330.89  652.3319479.04   650.819596.27   650.819829.75  651.07
20185.75  643.32 21189.2  644.4821451.03  646.32 23155.7  648.1623544.69  649.03
23975.17  652.6624636.88  660.4324864.73  661.8425998.44  661.8426644.73  653.68
26923.29  653.6827507.21  651.8427749.01  650.7727923.52   651.328065.94  650.52
28217.13  651.6528516.21  655.7228843.49  658.6229960.52  684.6530636.23   685.6
31620.87  744.0931766.01  744.2932393.67  696.2132428.97  696.2634050.09   763.8
35111.41  758.4235312.27  758.4335670.23  777.08 35712.4  777.3636024.27  771.23
36361.64  781.5936522.47  782.6437310.17     79038018.06  791.2238375.04     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515398.91     .1516088.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15398.9116088.33                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.04    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1490246.00   129931.60   1665044.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1490246.00   129931.60   1665044.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3121301.00   400083.00   3208616.00
  Top Width (ft)          33215.88    Top Width (ft)          14120.20     689.42   18406.25
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)            2.09       3.08       1.93
  Max Chl Dpth (ft)         191.97    Hydr. Depth (ft)          105.54     188.47      90.46
  Conv. Total (cfs)       710350000.0    Conv. (cfs)            329452600.0   42228670.0   338668700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14135.51     691.40   18417.63
  Min Ch El (ft)            568.00    Shear (lb/sq ft)            0.59       1.05       0.51
  Alpha                       1.04    Stream Power (lb/ft s)      1.24       3.24       0.98
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    158312.20   24989.30   187311.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1459.03     122.81    1793.37


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276347.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   177.4  793.72  577.16  780.05 1215.96  762.26  1376.7   756.4
 1633.41  748.83 1783.96  748.15 2098.78  748.15 2399.31  747.65 3206.47  716.11
 3271.02  712.89 3353.05  711.85 3363.22   711.8 3544.48     719 3706.18  718.15
  3834.7  717.26 3972.69  713.76 4309.99  705.71 4721.08  697.25 5027.02  696.59
 5158.67   695.2 5301.92  692.16 5363.55  689.79 5690.02  687.07 6004.55  685.77
 6131.43   686.3 6329.65   682.6 6479.56  680.75 6543.69   678.9 6587.83   678.9
 6723.29  680.19 6919.22  690.21 6975.94  687.35 7092.54  682.21 7419.85  664.44
 7462.99  663.16 7602.24  653.76 7866.26  627.89 7878.94  626.37 8034.49  621.68
 8159.42  620.66 8388.45   622.5 8545.86  621.21 8710.77  616.17 8878.48  613.81
  9008.4  596.74 9023.92  596.65  9104.7  592.95 9256.28   587.4 9307.92   587.4
 9345.77  589.09 9459.97  618.63 9556.94  622.95  9906.3  621.38 10048.8  612.58
10099.09  604.2110290.82  603.3410518.18  618.6210788.72   617.411360.89  615.55
 12678.6  615.5512895.48   607.413453.01   607.413881.92  609.2513936.06   611.1
14200.96  609.7714207.24  601.5814303.34  600.4414897.17     58915402.71   583.7
 15432.9  580.45 15539.2  575.5115566.63  572.3915609.79     56815989.12     568
16042.48  573.4416093.64   583.716183.86  609.6716203.19  612.4116445.68  643.25
16893.31  648.5517336.08  652.28   19484  650.7519601.21  650.7519834.67  651.02
20190.63  643.2821193.97  644.4521455.77   646.323160.26  648.1523549.21  649.03
23979.64  652.6624641.29  660.4424869.11  661.85 26002.7  661.8526648.92   653.7
26927.45   653.727511.31  651.8527753.08  650.7827927.57   651.328069.98  650.51
28221.15  651.64 28520.2  655.7128847.44  658.6129964.35  684.6330639.99  685.57
31624.52     74431769.65  744.2132397.24  696.1932432.54  696.2434053.49  763.71
35114.69  758.3535315.54  758.3735673.46  777.0135715.62  777.2936027.46  771.18
36364.79  781.55 36525.6   782.637313.22     79038021.03  791.2338377.98     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515402.71     .1516093.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15402.7116093.64                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.04    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1490319.00   130208.50   1665327.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1490319.00   130208.50   1665327.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3120392.00   400842.70   3208766.00
  Top Width (ft)          33237.31    Top Width (ft)          14123.95     690.93   18422.43
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)            2.09       3.08       1.93
  Max Chl Dpth (ft)         191.97    Hydr. Depth (ft)          105.52     188.45      90.40
  Conv. Total (cfs)       710489800.0    Conv. (cfs)            329421500.0   42317180.0   338751100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14139.24     692.91   18433.79
  Min Ch El (ft)            568.00    Shear (lb/sq ft)            0.59       1.05       0.51
  Alpha                       1.04    Stream Power (lb/ft s)      1.24       3.24       0.98
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    158141.10   24974.37   187120.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1457.41     122.73    1791.25


Warning: Divided flow computed for this cross-section.

CROSS SECTION
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RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276344.*

INPUT
Description:
Station Elevation Data     num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  177.44  793.72  577.31  780.04 1216.26  762.26 1377.04   756.4
 1633.82  748.83  1784.4  748.14  2099.3  748.14  2399.9  747.64 3207.26  716.13
 3271.82   712.9 3353.87  711.86 3364.05  711.81 3545.35  718.99 3707.09  718.14
 3835.64  717.24 3973.67  713.75 4311.05  705.69 4722.24  697.24 5028.25  696.57
 5159.94  695.18 5303.22  692.13 5364.87  689.76 5691.42  687.04 6006.03  685.75
 6132.94  686.28 6331.21  682.56 6481.16   680.7  6545.3  678.84 6589.46  678.84
 6724.95  680.14 6920.92  690.16 6977.66   687.3 7094.29  682.18 7421.68  664.44
 7464.83  663.18 7604.12  653.81 7868.19  627.98 7880.88  626.46 8036.47  621.75
 8161.43  620.74 8390.52  622.59 8547.97  621.31 8712.91  616.25 8880.67  613.88
 9010.62  596.83 9026.14  596.74 9106.94  593.02 9258.56  587.44 9310.21  587.44
 9348.07  589.14  9462.3  618.67 9559.29  623.02 9908.74  621.4410051.27  612.65
10101.57  604.2810293.36  603.4210520.77  618.6710791.38  617.4411363.69  615.58
12681.72  615.5812898.66  607.4413456.32  607.4413885.34   609.313939.49  611.16
14204.45  609.8214210.74  601.6514306.87  600.5114900.83  589.02 15406.5  583.72
15436.83  580.4615543.62  575.5315571.17   572.415614.52     56815994.09     568
16047.63  573.4416098.96  583.7216189.17  609.6716208.49   612.416450.96  643.21
16898.54  648.5117341.26  652.2419488.96   650.719606.15   650.719839.58  650.97
20195.51  643.2521198.74  644.4221460.52  646.2823164.82  648.1423553.73  649.02
23984.12  652.6524645.69  660.4524873.49  661.8626006.95  661.8626653.11  653.72
26931.61  653.7227515.41  651.8627757.15  650.7827931.62   651.328074.02   650.5
28225.17  651.6228524.19  655.7128851.39   658.629968.19   684.630643.75  685.55
31628.18  743.9231773.29  744.1232400.82  696.1732436.12  696.2234056.89  763.62
35117.97  758.28 35318.8   758.335676.68  776.9435718.84  777.2236030.64  771.14
36367.94   781.536528.73  782.5637316.27     79038024.01  791.2438380.91     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 15406.5     .1516098.96     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       15406.516098.96                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.04    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1490382.00   130488.50   1665607.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1490382.00   130488.50   1665607.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3119495.00   401610.30   3208895.00
  Top Width (ft)          33258.75    Top Width (ft)          14127.41     692.46   18438.88
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)            2.09       3.08       1.93
  Max Chl Dpth (ft)         191.97    Hydr. Depth (ft)          105.50     188.44      90.33
  Conv. Total (cfs)       710629400.0    Conv. (cfs)             329391600.0   42406560.0   338831300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14142.67     694.44   18450.23
  Min Ch El (ft)            568.00    Shear (lb/sq ft)            0.59       1.05       0.51
  Alpha                       1.04    Stream Power (lb/ft s)      1.24       3.24       0.97
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    157970.00   24959.41   186929.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1455.79     122.65    1789.14


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276341.*

INPUT
Description:
Station Elevation Data     num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  177.48  793.72  577.45  780.03 1216.56  762.26 1377.38  756.39
 1634.22  748.82 1784.84  748.13 2099.81  748.13 2400.49  747.62 3208.05  716.15
 3272.63  712.92  3354.7  711.87 3364.88  711.82 3546.22  718.99    3708  718.13
 3836.59  717.23 3974.65  713.73 4312.12  705.67  4723.4  697.22 5029.49  696.55
 5161.21  695.17 5304.53   692.1 5366.19  689.72 5692.83  687.01 6007.51  685.72
 6134.45  686.26 6332.77  682.52 6482.75  680.65 6546.92  678.78 6591.08  678.78
 6726.61  680.09 6922.63   690.1 6979.38  687.26 7096.03  682.15  7423.5  664.45
 7466.67   663.2 7605.99  653.87 7870.13  628.07 7882.82  626.55 8038.45  621.82
 8163.44  620.81 8392.58  622.69 8550.07  621.41 8715.06  616.32 8882.85  613.96
 9012.83  596.92 9028.36  596.83 9109.19  593.09 9260.84  587.48  9312.5  587.48
 9350.37  589.19 9464.63  618.72 9561.65  623.09 9911.18   621.510053.75  612.72
10104.06  604.3610295.89  603.4910523.36  618.7110794.04  617.4811366.49  615.61
12684.85  615.6112901.83  607.4813459.63  607.4813888.76  609.3513942.92  611.22
14207.95  609.8714214.24  601.7114310.39  600.57 14904.5  589.0515410.29  583.74
15440.76  580.4715548.03  575.5515575.71  572.4115619.26  567.9915999.07  567.99
16052.78  573.4316104.28  583.7416194.48  609.67 16213.8   612.416456.24  643.18
16903.77  648.4817346.45   652.219493.91  650.65 19611.1   650.65 19844.5  650.92
20200.39  643.2121203.51  644.3921465.26  646.2623169.39  648.1323558.25  649.02
23988.59  652.6524650.09  660.4724877.87  661.8726011.21  661.8726657.29  653.74
26935.77  653.74 27519.5  651.8727761.22  650.7827935.68   651.328078.05  650.48
28229.19  651.6128528.18   655.728855.35  658.5929972.02  684.5730647.52  685.53
31631.84  743.8331776.94  744.0432404.39  696.1532439.69   696.234060.29  763.54
35121.26   758.235322.06  758.2435679.91  776.8735722.06  777.1536033.83  771.09
36371.09  781.4536531.87  782.5237319.32     79038026.98  791.2438383.84     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515410.29     .1516104.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15410.2916104.28                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.04    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1490457.00   130773.30   1665871.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1490457.00   130773.30   1665871.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3118617.00   402400.70   3208983.00
  Top Width (ft)          33280.68    Top Width (ft)          14130.98     693.99   18455.71
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)            2.09       3.08       1.93
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  Max Chl Dpth (ft)          191.98    Hydr. Depth (ft)          105.47     188.44      90.26
  Conv. Total (cfs)        710770400.0    Conv. (cfs)            329364100.0   42498440.0   338907900.0
  Length Wtd. (ft)             5.00    Wetted Per. (ft)        14146.22     695.98   18467.04
  Min Ch El (ft)             567.99    Shear (lb/sq ft)            0.59       1.05       0.50
  Alpha                        1.04    Stream Power (lb/ft s)      1.23       3.24       0.97
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    157799.00   24944.41   186738.20
  C & E Loss (ft)              0.00    Cum SA (acres)           1454.16     122.57    1787.02


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276338.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  177.53  793.71  577.59  780.01 1216.86  762.26 1377.72  756.38
 1634.62  748.81 1785.28  748.12 2100.33  748.12 2401.08  747.61 3208.84  716.17
 3273.44  712.93 3355.53  711.88  3365.7  711.83  3547.1  718.98 3708.92  718.12
 3837.53  717.21 3975.62  713.71 4313.18  705.65 4724.57  697.21 5030.73  696.53
 5162.48  695.15 5305.83  692.08 5367.51  689.68 5694.23  686.97 6008.99   685.7
 6135.96  686.24 6334.33  682.48 6484.35   680.6 6548.53  678.72  6592.7  678.72
 6728.26  680.03 6924.33  690.05  6981.1  687.21 7097.78  682.13 7425.33  664.46
 7468.51  663.21 7607.86  653.93 7872.07  628.16 7884.76  626.64 8040.43   621.9
 8165.45  620.88 8394.65  622.78 8552.17   621.5  8717.2   616.4 8885.04  614.03
 9015.05  597.01 9030.58  596.92 9111.43  593.16 9263.12  587.52 9314.79  587.52
 9352.67  589.23 9466.96  618.77    9564  623.16 9913.62  621.5610056.22  612.79
10106.55  604.4410298.42  603.5610525.95  618.7610796.69  617.5211369.28  615.64
12687.97  615.6412905.01  607.5213462.94  607.5213892.18   609.413946.35  611.28
14211.45  609.9214217.74  601.7714313.91  600.6314908.17  589.0715414.08  583.76
15444.69  580.4815552.44  575.5615580.24  572.4215623.99  567.9916004.05  567.99
16057.94  573.43 16109.6  583.7616199.78  609.67 16219.1   612.416461.52  643.14
   16909  648.4417351.63  652.1619498.86   650.619616.04   650.619849.42  650.88
20205.27  643.1821208.28  644.3621470.01  646.2423173.95  648.1223562.77  649.01
23993.07  652.6524654.49  660.4824882.25  661.8826015.47  661.8826661.48  653.76
26939.92  653.76 27523.6  651.8827765.29  650.7927939.73  651.2928082.09  650.47
28233.21  651.5928532.17  655.69 28859.3  658.5929975.86  684.5430651.28   685.5
31635.49  743.7431780.58  743.9532407.97  696.1332443.26  696.1834063.68  763.45
35124.54  758.1335325.32  758.1835683.13   776.835725.28  777.0836037.02  771.04
36374.23  781.41   36535  782.4837322.36     79038029.95  791.2538386.78     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515414.08     .15 16109.6     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15414.08 16109.6                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             760.04    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.97    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                       Flow Area (sq ft)       1490533.00   131053.90   1666151.00
  E.G. Slope (ft/ft)       0.000090    Area (sq ft)            1490533.00   131053.90   1666151.00
  Q Total (cfs)            6730000.00    Flow (cfs)             3117732.00   403169.70   3209098.00
  Top Width (ft)           33302.23    Top Width (ft)          14134.55     695.52   18472.16
  Vel Total (ft/s)             2.05    Avg. Vel. (ft/s)            2.09       3.08       1.93
  Max Chl Dpth (ft)          191.98    Hydr. Depth (ft)          105.45     188.43      90.20
  Conv. Total (cfs)        710913300.0    Conv. (cfs)            329336900.0   42588220.0   338988200.0
  Length Wtd. (ft)             5.00    Wetted Per. (ft)        14149.77     697.50   18483.47
  Min Ch El (ft)             567.99    Shear (lb/sq ft)            0.59       1.05       0.50
  Alpha                        1.04    Stream Power (lb/ft s)      1.23       3.23       0.97
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    157627.90   24929.38   186547.00
  C & E Loss (ft)              0.00    Cum SA (acres)           1452.54     122.49    1784.90


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276335.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  177.57  793.71  577.73     780 1217.16  762.25 1378.06  756.37
 1635.02  748.81 1785.72  748.11 2100.85  748.11 2401.67   747.6 3209.63  716.18
 3274.24  712.95 3356.35  711.89 3366.53  711.84 3547.97  718.98 3709.83  718.11
 3838.48   717.2  3976.6  713.69 4314.24  705.63 4725.73  697.19 5031.97  696.51
 5163.75  695.13 5307.14  692.05 5368.83  689.65 5695.63  686.94 6010.47  685.68
 6137.47  686.22 6335.89  682.44 6485.95  680.55 6550.14  678.66 6594.32  678.66
 6729.92  679.98 6926.04     690 6982.81  687.17 7099.53   682.1 7427.16  664.46
 7470.34  663.23 7609.73  653.98    7874  628.25  7886.7  626.72 8042.41  621.97
 8167.46  620.95 8396.72  622.88 8554.28   621.6 8719.35  616.48 8887.22  614.11
 9017.27   597.1  9032.8  597.01 9113.67  593.23  9265.4  587.56 9317.09  587.56
 9354.97  589.28 9469.29  618.81 9566.35  623.23 9916.06  621.6210058.69  612.86
10109.03  604.5110300.96  603.6310528.54  618.8110799.35  617.5611372.08  615.67
12691.09  615.6712908.19  607.5613466.26  607.56 13895.6  609.4513949.79  611.34
14214.94  609.9814221.24  601.8314317.43  600.6914911.84   589.115417.88  583.78
15448.62  580.4915556.86  575.5815584.78  572.4215628.73  567.9916009.03  567.99
16063.09  573.4316114.91  583.7816205.09  609.6716224.41  612.39 16466.8   643.1
16914.23  648.4117356.81  652.1219503.82  650.5519620.98  650.5519854.34  650.83
20210.14  643.1421213.05  644.3321474.75  646.2223178.51  648.1123567.29  649.01
23997.54  652.64 24658.9  660.4924886.63  661.8926019.73  661.8926665.67  653.78
26944.08  653.78 27527.7  651.8927769.36  650.7927943.78  651.2928086.13  650.46
28237.23  651.5828536.16  655.6828863.26  658.5829979.69  684.5130655.04  685.48
31639.15  743.6631784.22  743.8732411.54  696.1132446.83  696.1634067.08  763.36
35127.82  758.0635328.58  758.1235686.35  776.73 35728.5  777.01 36040.2  770.99
36377.39  781.3636538.13  782.4437325.41     79038032.93  791.2638389.71     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515417.88     .1516114.91     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      15417.8816114.91                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.04    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1490604.00   131330.70   1666431.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)             1490604.00   131330.70   1666431.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3116837.00   403929.50   3209234.00
  Top Width (ft)          33324.06    Top Width (ft)           14138.30     697.03   18488.73
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)             2.09       3.08       1.93
  Max Chl Dpth (ft)         191.98    Hydr. Depth (ft)          105.43     188.41      90.13
  Conv. Total (cfs)       711049000.0    Conv. (cfs)            329305200.0   42676630.0   339067300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         14153.51     699.01   18500.03
  Min Ch El (ft)            567.99    Shear (lb/sq ft)             0.59       1.05       0.50
  Alpha                       1.04    Stream Power (lb/ft s)       1.23       3.23       0.97
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    157456.80   24914.33   186355.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1450.92     122.42    1782.78


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276332.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  177.62   793.7  577.87  779.99 1217.46  762.25 1378.39  756.37
 1635.43   748.8 1786.16   748.1 2101.36   748.1 2402.26  747.58 3210.42   716.2
 3275.05  712.96 3357.18   711.9 3367.36  711.85 3548.84  718.97 3710.74   718.1
 3839.42  717.18 3977.58  713.68  4315.3  705.61 4726.89  697.18 5033.21  696.49
 5165.02  695.11 5308.44  692.02 5370.15  689.61 5697.03  686.91 6011.94  685.65
 6138.98   686.2 6337.44   682.4 6487.54   680.5 6551.75   678.6 6595.95   678.6
 6731.57  679.93 6927.74  689.94 6984.53  687.12 7101.27  682.07 7428.99  664.47
 7472.18  663.25  7611.6  654.04 7875.94  628.34 7888.64  626.81 8044.38  622.04
 8169.47  621.03 8398.78  622.97 8556.38   621.7 8721.49  616.56 8889.41  614.18
 9019.49  597.19 9035.03   597.1 9115.91   593.3 9267.68   587.6 9319.38   587.6
 9357.27  589.33 9471.62  618.86 9568.71   623.3  9918.5  621.6810061.17  612.92
10111.52  604.5910303.49  603.710531.13  618.8510802.01   617.611374.88   615.7
12694.21   615.712911.36   607.613469.57   607.613899.02   609.513953.22   611.4
14218.44  610.0314224.74   601.914320.96  600.7514915.51  589.1315421.67   583.8
15452.55  580.5115561.27   575.615589.32  572.4315633.46  567.9916014.01  567.99
16068.24  573.4216120.23   583.8 16210.4  609.6616229.71  612.3916472.08  643.07
16919.47  648.37   17362  652.0819508.77   650.519625.92   650.519859.25  650.78
20215.02   643.121217.83   644.321479.49   646.223183.07   648.123571.81     649
24002.02  652.64 24663.3   660.524891.01   661.926023.98   661.926669.86   653.8
26948.24   653.827531.79   651.927773.44   650.827947.83  651.2928090.16  650.45
28241.25  651.5628540.15  655.6828867.21  658.5729983.53  684.48 30658.8  685.45
31642.81  743.5731787.86  743.7832415.12  696.09 32450.4  696.1434070.48  763.27
35131.11  757.9935331.85  758.0535689.58  776.6635731.72  776.9536043.39  770.95
36380.54  781.3236541.27   782.437328.46     790 38035.9  791.2638392.65     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515421.67     .1516120.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15421.6716120.23                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.04    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1490677.00   131610.50   1666725.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)             1490677.00   131610.50   1666725.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3115945.00   404691.20   3209364.00
  Top Width (ft)          33345.92    Top Width (ft)           14141.76     698.56   18505.60
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)             2.09       3.07       1.93
  Max Chl Dpth (ft)         191.98    Hydr. Depth (ft)          105.41     188.40      90.07
  Conv. Total (cfs)       711195300.0    Conv. (cfs)            329278700.0   42765890.0   339150700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         14156.94     700.54   18516.87
  Min Ch El (ft)            567.99    Shear (lb/sq ft)             0.59       1.05       0.50
  Alpha                       1.04    Stream Power (lb/ft s)       1.23       3.23       0.97
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    157285.70   24899.24   186164.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1449.30     122.33    1780.66


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276329.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  177.66   793.7  578.02  779.98 1217.76  762.25 1378.73  756.36
 1635.83   748.8  1786.6  748.09 2101.88  748.09 2402.85  747.57 3211.21  716.22
 3275.85  712.98    3358  711.91 3368.19  711.85 3549.71  718.96 3711.65  718.09
 3840.36  717.17 3978.56  713.66 4316.36  705.59 4728.06  697.16 5034.44  696.48
 5166.29  695.09 5309.75  691.99 5371.47  689.57 5698.43  686.87 6013.42  685.63
 6140.49  686.18    6339  682.36 6489.14  680.45 6553.36  678.54 6597.57  678.54
 6733.23  679.87 6929.44  689.89 6986.25  687.07 7103.02  682.05 7430.81  664.48
 7474.02  663.27 7613.48   654.1 7877.88  628.42 7890.58   626.9 8046.36  622.11
 8171.48   621.1 8400.85  623.07 8558.49  621.79 8723.64  616.64  8891.6  614.26
 9021.71  597.28 9037.25  597.19 9118.16  593.37 9269.96  587.64 9321.67  587.64
 9359.58  589.38 9473.95  618.91 9571.06  623.37 9920.94  621.7410063.64  612.99
10114.01  604.6710306.03  603.7810533.72   618.910804.66  617.6411377.68  615.73
12697.33  615.7312914.54  607.6413472.88  607.6413902.43  609.5513956.65  611.46
14221.94  610.0814228.23  601.9614324.48  600.8114919.18  589.1515425.46  583.82
15456.48  580.5215565.68  575.6215593.86  572.4415638.19  567.9916018.99  567.99
16073.39  573.4216125.55  583.8216215.71  609.6616235.02  612.3916477.36  643.03
 16924.7  648.3417367.18  652.0319513.73  650.4519630.86  650.4519864.17  650.73
 20219.9  643.07 21222.6  644.2721484.24  646.1823187.63  648.0923576.33     649
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24006.49  652.6424667.71  660.5124895.38  661.9126028.24  661.9126674.05  653.82
 26952.4  653.8227535.89  651.9127777.51   650.827951.89  651.29 28094.2  650.43
28245.27  651.5528544.13  655.6728871.16  658.5629987.36  684.4530662.56  685.43
31646.46  743.49 31791.5   743.732418.69  696.0632453.97  696.1234073.88  763.18
35134.39  757.9235335.11  757.99 35692.8  776.5935734.94  776.8836046.57   770.9
36383.69  781.27 36544.4  782.3637331.51     79038038.87  791.2738395.59     800

Manning's n Values        num=       3
     Sta   n Val      Sta   n Val     Sta   n Val
       0     .1515425.46     .1516125.55     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15425.4616125.55                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.04    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1490748.00   131890.20   1667009.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1490748.00   131890.20   1667009.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3115056.00   405456.10   3209488.00
  Top Width (ft)          33367.82    Top Width (ft)          14145.33     700.09   18522.40
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)            2.09       3.07       1.93
  Max Chl Dpth (ft)         191.98    Hydr. Depth (ft)          105.39     188.39      90.00
  Conv. Total (cfs)       711335400.0    Conv. (cfs)            329249600.0   42855170.0   339230700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14160.50     702.07   18533.66
  Min Ch El (ft)            567.99    Shear (lb/sq ft)            0.59       1.05       0.50
  Alpha                       1.04    Stream Power (lb/ft s)      1.23       3.23       0.97
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    157114.60   24884.11   185973.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1447.67     122.25    1778.53


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276326.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   177.7  793.69  578.16  779.96 1218.06  762.25 1379.07  756.35
 1636.23  748.79 1787.04  748.08  2102.4  748.08 2403.44  747.56    3212  716.23
 3276.66  712.99 3358.83  711.92 3369.02  711.86 3550.59  718.96 3712.57  718.08
 3841.31  717.15 3979.54  713.64 4317.42  705.57 4729.22  697.15 5035.68  696.46
 5167.56  695.07 5311.05  691.97 5372.79  689.54 5699.83  686.84  6014.9  685.61
    6142  686.16 6340.56  682.32 6490.73   680.4 6554.97  678.48 6599.19  678.48
 6734.88  679.82 6931.15  689.84 6987.97  687.03 7104.77  682.02 7432.64  664.48
 7475.86  663.28 7615.35  654.16 7879.82  628.51 7892.52  626.99 8048.34  622.18
 8173.48  621.17 8402.91  623.16 8560.59  621.89 8725.78  616.72 8893.78  614.33
 9023.93  597.38 9039.47  597.28  9120.4  593.44 9272.24  587.68 9323.96  587.68
 9361.88  589.43 9476.28  618.95 9573.41  623.44 9923.38  621.8110066.12  613.06
 10116.5  604.7410308.56  603.8510536.31  618.9510807.32  617.6811380.47  615.76
12700.46  615.7612917.71  607.68 13476.2  607.6813905.85   609.613960.08  611.52
14225.44  610.1414231.73  602.02   14328  600.8714922.85  589.1815429.26  583.84
15460.41  580.53 15570.1  575.6415598.39  572.4515642.93  567.9916023.97  567.99
16078.54  573.4116130.86  583.8416221.01  609.6616240.33  612.3916482.64  642.99
16929.93   648.317372.37  651.9919518.68   650.4 19635.8   650.419869.09  650.68
20224.78  643.0321227.37  644.2421488.98  646.16 23192.2  648.0823580.85  648.99
24010.96  652.6324672.11  660.5324899.76  661.92 26032.5  661.9226678.24  653.84
26956.56  653.8427539.99  651.9227781.58   650.827955.94  651.2928098.24  650.42
28249.29  651.5428548.12  655.6628875.12  658.5629991.19  684.4230666.33  685.41
31650.12   743.431795.14  743.6132422.26  696.0432457.54   696.134077.27   763.1
35137.68  757.8535338.37  757.9335696.02  776.5235738.16  776.8136049.76  770.85
36386.84  781.2336547.53  782.3237334.56     79038041.84  791.2838398.52     800

Manning's n Values        num=       3
     Sta   n Val      Sta   n Val     Sta   n Val
       0     .1515429.26     .1516130.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15429.2616130.86                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.04    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1490815.00   132167.10   1667289.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1490815.00   132167.10   1667289.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3114158.00   406213.30   3209629.00
  Top Width (ft)          33388.80    Top Width (ft)          14148.91     701.60   18538.29
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)            2.09       3.07       1.93
  Max Chl Dpth (ft)         191.98    Hydr. Depth (ft)          105.37     188.38      89.94
  Conv. Total (cfs)       711474900.0    Conv. (cfs)            329219200.0   42943620.0   339312000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14164.06     703.58   18549.53
  Min Ch El (ft)            567.99    Shear (lb/sq ft)            0.59       1.05       0.50
  Alpha                       1.04    Stream Power (lb/ft s)      1.23       3.23       0.97
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    156943.50   24868.96   185781.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1446.05     122.17    1776.40


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276323.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   177.75  793.69   578.3  779.95 1218.35  762.24 1379.41  756.34
 1636.63  748.78 1787.48  748.07 2102.91  748.07 2404.03  747.55 3212.78  716.25
 3277.46  713.01 3359.65  711.93 3369.84  711.87 3551.46  718.95 3713.48  718.07
 3842.25  717.14 3980.51  713.63 4318.48  705.56 4730.38  697.14 5036.92  696.44
 5168.83  695.05 5312.36  691.94 5374.11   689.5 5701.23  686.81 6016.38  685.59
 6143.51  686.14 6342.12  682.28 6492.33  680.35 6556.58  678.42 6600.81  678.42
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 6736.54  679.77 6932.85  689.79 6989.68  686.98 7106.51  681.99 7434.47  664.49
  7477.7   663.3 7617.22  654.21 7881.75   628.6 7894.46  627.08 8050.32  622.25
 8175.49  621.25 8404.98  623.26  8562.7  621.99 8727.93  616.79 8895.97  614.41
 9026.14  597.47 9041.69  597.37 9122.64  593.51 9274.52  587.72 9326.25  587.72
 9364.18  589.48 9478.61     619 9575.77  623.51 9925.82  621.8710068.59  613.13
10118.98  604.8210311.09  603.92 10538.9  618.9910809.98  617.7211383.27  615.79
12703.58  615.7912920.89  607.7213479.51  607.7213909.27  609.6513963.51  611.58
14228.93  610.1914235.23  602.0814331.52  600.9314926.51   589.215433.05  583.86
15464.34  580.5415574.51  575.6515602.93  572.4615647.66  567.9916028.95  567.99
16083.69  573.4116136.18  583.8616226.32  609.6616245.63  612.3816487.92  642.96
16935.16  648.2717377.55  651.9519523.64  650.3519640.75  650.35   19874  650.63
20229.66  642.9921232.14  644.2121493.72  646.1423196.76  648.0723585.37  648.99
24015.44  652.6324676.51  660.5424904.14  661.9326036.76  661.9326682.43  653.86
26960.72  653.8627544.08  651.9327785.65  650.8127959.99  651.2928102.28  650.41
28253.31  651.5228552.11  655.6628879.07  658.5529995.03  684.3930670.09  685.38
31653.78  743.3131798.79  743.5332425.84  696.0232461.11  696.0834080.67  763.01
35140.96  757.7735341.63  757.8635699.25  776.4535741.38  776.7436052.95   770.8
36389.99  781.1836550.66  782.2837337.61     79038044.82  791.2838401.45     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515433.05     .1516136.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15433.0516136.18                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.03    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1490881.00   132447.50   1667580.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1490881.00   132447.50   1667580.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3113248.00   406983.60   3209769.00
  Top Width (ft)          33412.41    Top Width (ft)          14152.65     703.13   18556.63
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)            2.09       3.07       1.92
  Max Chl Dpth (ft)         191.98    Hydr. Depth (ft)          105.34     188.37      89.86
  Conv. Total (cfs)       711610800.0    Conv. (cfs)            329185800.0   43033270.0   339391600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14167.78     705.11   18567.86
  Min Ch El (ft)            567.99    Shear (lb/sq ft)            0.59       1.05       0.50
  Alpha                       1.04    Stream Power (lb/ft s)      1.23       3.22       0.97
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    156772.30   24853.77   185590.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1444.42     122.09    1774.27


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276320.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  177.79  793.68  578.44  779.94 1218.65  762.24 1379.75  756.33
 1637.03  748.78 1787.92  748.06 2103.43  748.06 2404.62  747.53 3213.57  716.27
 3278.27  713.03 3360.48  711.94 3370.67  711.88 3552.33  718.95 3714.39  718.06
  3843.2  717.12 3981.49  713.61 4319.54  705.54 4731.54  697.12 5038.16  696.42
  5170.1  695.03 5313.67  691.91 5375.43  689.47 5702.63  686.77 6017.86  685.56
 6145.02  686.12 6343.68  682.24 6493.92   680.3  6558.2  678.36 6602.43  678.36
  6738.2  679.71 6934.56  689.73  6991.4  686.94 7108.26  681.96 7436.29   664.5
 7479.53  663.32 7619.09  654.27 7883.69  628.69 7896.41  627.17  8052.3  622.33
  8177.5  621.32 8407.04  623.35  8564.8  622.08 8730.07  616.87 8898.16  614.48
 9028.36  597.56 9043.92  597.46 9124.88  593.58  9276.8  587.76 9328.55  587.76
 9366.48  589.53 9480.94  619.05 9578.12  623.58 9928.26  621.9310071.07   613.2
10121.47   604.910313.63  603.9910541.49  619.0410812.63  617.7611386.07  615.82
 12706.7  615.8212924.06  607.7613482.82  607.7613912.69   609.713966.95  611.64
14232.43  610.2414238.73  602.1514335.04  600.9914930.18  589.2315436.84  583.88
15468.27  580.5515578.92  575.6715607.47  572.47 15652.4  567.9916033.93  567.99
16088.84   573.4 16141.5  583.8816231.63  609.6616250.94  612.38 16493.2  642.92
16940.39  648.2317382.73  651.9119528.59   650.319645.69   650.319878.92  650.58
20234.54  642.9621236.91  644.1821498.47  646.1223201.32  648.0623589.89  648.98
24019.91  652.6324680.91  660.5524908.52  661.9426041.02  661.9426686.62  653.88
26964.88  653.8827548.18  651.9427789.72  650.8127964.04  651.2928106.31  650.39
28257.34  651.51 28556.1  655.6528883.02  658.5429998.86  684.3630673.85  685.36
31657.44  743.2331802.43  743.4432429.41     69632464.68  696.0534084.07  762.92
35144.24   757.735344.89   757.835702.47  776.38 35744.6  776.6736056.13  770.76
36393.14  781.13 36553.8  782.2437340.66     79038047.79  791.2938404.39     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515436.84     .15 16141.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15436.84 16141.5                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.03    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1490958.00   132727.90   1667873.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1490958.00   132727.90   1667873.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3112364.00   407747.70   3209888.00
  Top Width (ft)          33434.64    Top Width (ft)          14156.22     704.66   18573.76
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.09       3.07       1.92
  Max Chl Dpth (ft)         191.98    Hydr. Depth (ft)          105.32     188.36      89.80
  Conv. Total (cfs)       711755100.0    Conv. (cfs)            329159100.0   43122810.0   339473200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14171.32     706.64   18584.97
  Min Ch El (ft)            567.99    Shear (lb/sq ft)            0.59       1.05       0.50
  Alpha                       1.04    Stream Power (lb/ft s)      1.23       3.22       0.96
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    156601.20   24838.55   185398.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1442.80     122.01    1772.14


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
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REACH: UPPER BRAZOS       RS: 276318.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  177.83  793.68  578.59  779.93 1218.95  762.24 1380.09  756.33
 1637.44  748.77 1788.36  748.05 2103.95  748.05 2405.21  747.52 3214.36  716.28
 3279.07  713.04 3361.31  711.95  3371.5  711.89 3553.21  718.94  3715.3  718.05
 3844.14  717.11 3982.47  713.59 4320.61  705.52 4732.71  697.11  5039.4   696.4
 5171.37  695.02 5314.97  691.89 5376.75  689.43 5704.03  686.74 6019.34  685.54
 6146.53   686.1 6345.24   682.2 6495.52  680.25 6559.81   678.3 6604.06   678.3
 6739.85  679.66 6936.26  689.68 6993.12  686.89 7110.01  681.94 7438.12   664.5
 7481.37  663.33 7620.96  654.33 7885.63  628.78 7898.35  627.26 8054.28   622.4
 8179.51  621.39 8409.11  623.45 8566.91  622.18 8732.22  616.95 8900.34  614.56
 9030.58  597.65 9046.14  597.55 9127.12  593.65 9279.08   587.8 9330.84   587.8
 9368.78  589.58 9483.27  619.09 9580.47  623.65  9930.7  621.9910073.54  613.26
10123.96  604.9810316.16  604.0610544.08  619.0810815.29   617.811388.87  615.85
12709.82  615.8512927.24   607.813486.13   607.813916.11  609.7513970.38   611.7
14235.93  610.2914242.23  602.2114338.57  601.0514933.85  589.2515440.63   583.9
 15472.2  580.5715583.33  575.6915612.01  572.4815657.13  567.9916038.91  567.99
   16094   573.416146.82   583.916236.93  609.6616256.24  612.3816498.48  642.89
16945.62   648.217387.92  651.8719533.54  650.2519650.63  650.2519883.84  650.54
20239.42  642.9221241.69  644.1521503.21   646.123205.88  648.0523594.41  648.98
24024.39  652.6324685.32  660.56 24912.9  661.9526045.27  661.95 26690.8   653.9
26969.04   653.927552.28  651.9527793.79  650.8227968.09  651.2828110.35  650.38
28261.36  651.4928560.09  655.6428886.98  658.53 30002.7  684.3430677.61  685.33
31661.09  743.1431806.07  743.3532432.99  695.9832468.25  696.0334087.46  762.83
35147.53  757.6335348.16  757.74 35705.7  776.3135747.82   776.636059.32  770.71
36396.29  781.0936556.93   782.237343.71     79038050.77   791.338407.32     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515440.63     .1516146.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15440.6316146.82                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.03    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1491029.00   133007.00   1668155.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1491029.00   133007.00   1668155.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3111498.00   408508.60   3209993.00
  Top Width (ft)          33456.86    Top Width (ft)          14159.68     706.19   18590.98
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.09       3.07       1.92
  Max Chl Dpth (ft)         191.98    Hydr. Depth (ft)          105.30     188.34      89.73
  Conv. Total (cfs)       711894800.0    Conv. (cfs)            329132200.0   43211760.0   339550900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14174.76     708.17   18602.17
  Min Ch El (ft)            567.99    Shear (lb/sq ft)            0.59       1.05       0.50
  Alpha                       1.04    Stream Power (lb/ft s)      1.22       3.22       0.96
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    156430.00   24823.30   185207.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1441.17     121.93    1770.01


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276315.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  177.88  793.67  578.73  779.92 1219.25  762.23 1380.43  756.32
 1637.84  748.76 1788.79  748.04 2104.46  748.04  2405.8  747.51 3215.15   716.3
 3279.88  713.06 3362.13  711.96 3372.33   711.9 3554.08  718.94 3716.22  718.04
 3845.09  717.09 3983.45  713.58 4321.67   705.5 4733.87  697.09 5040.63  696.38
 5172.64     695 5316.28  691.86 5378.08  689.39 5705.44  686.71 6020.82  685.52
 6148.04  686.08  6346.8  682.16 6497.12   680.2 6561.42  678.24 6605.68  678.24
 6741.51  679.61 6937.96  689.63 6994.84  686.85 7111.75  681.91 7439.95  664.51
 7483.21  663.35 7622.84  654.38 7887.56  628.87 7900.29  627.34 8056.26  622.47
 8181.52  621.46 8411.18  623.54 8569.01  622.28 8734.36  617.03 8902.53  614.63
  9032.8  597.74 9048.36  597.64 9129.37  593.72 9281.36  587.84 9333.13  587.84
 9371.08  589.63  9485.6  619.14 9582.83  623.72 9933.14  622.0510076.02  613.33
10126.44  605.05 10318.7  604.1410546.67  619.1310817.95  617.8411391.67  615.88
12712.95  615.8812930.41  607.8413489.45  607.8413919.53   609.813973.81  611.76
14239.42  610.3514245.73  602.2714342.09  601.1114937.52  589.2815444.43  583.92
15476.13  580.5815587.75  575.7115616.55  572.4915661.86  567.9816043.88  567.98
16099.15   573.416152.13  583.9216242.24  609.6516261.55  612.3716503.76  642.85
16950.86  648.16 17393.1  651.83 19538.5   650.219655.57   650.219888.76  650.49
 20244.3  642.8921246.46  644.1221507.96  646.0823210.44  648.0423598.93  648.97
24028.86  652.6224689.72  660.5724917.28  661.9626049.53  661.9626694.99  653.92
 26973.2  653.9227556.37  651.9627797.86  650.8227972.15  651.2828114.38  650.37
28265.38  651.4828564.08  655.6428890.93  658.5330006.53  684.3130681.38  685.31
31664.75  743.0531809.71  743.2732436.56  695.9632471.82  696.0134090.86  762.74
35150.81  757.5635351.42  757.6835708.92  776.2435751.04  776.53 36062.5  770.66
36399.44  781.0436560.07  782.1637346.75     79038053.74   791.338410.26     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515444.43     .1516152.13     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15444.4316152.13                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.03    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1491096.00   133287.40   1668442.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1491096.00   133287.40   1668442.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3110591.00   409284.30   3210125.00
  Top Width (ft)          33479.48    Top Width (ft)          14163.43     707.70   18608.35
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.09       3.07       1.92
  Max Chl Dpth (ft)         191.99    Hydr. Depth (ft)          105.28     188.34      89.66
  Conv. Total (cfs)       712030600.0    Conv. (cfs)            329098900.0   43302080.0   339629600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14178.49     709.68   18619.52
```

```
  Min Ch El (ft)            567.98    Shear (lb/sq ft)            0.59       1.05       0.50
  Alpha                       1.04    Stream Power (lb/ft s)      1.22       3.22       0.96
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    156258.90   24808.02   185015.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1439.55     121.85    1767.88


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276312.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  177.92  793.67  578.87   779.9 1219.55  762.23 1380.77  756.31
 1638.24  748.76 1789.23  748.03 2104.98  748.03  2406.4   747.5 3215.94  716.32
 3280.68  713.07 3362.96  711.97 3373.16  711.91 3554.95  718.93 3717.13  718.03
 3846.03  717.08 3984.43  713.56 4322.73  705.48 4735.03  697.08 5041.87  696.37
 5173.91  694.98 5317.58  691.83  5379.4  689.36 5706.84  686.67 6022.29  685.49
 6149.55  686.06 6348.35  682.12 6498.71  680.15 6563.03  678.18  6607.3  678.18
 6743.16  679.56 6939.67  689.57 6996.56   686.8  7113.5  681.88 7441.78  664.52
 7485.05  663.37 7624.71  654.44  7889.5  628.95 7902.23  627.43 8058.23  622.54
 8183.53  621.54 8413.24  623.64 8571.11  622.37 8736.51  617.11 8904.72   614.7
 9035.02  597.83 9050.58  597.73 9131.61  593.79 9283.63  587.88 9335.42  587.88
 9373.38  589.68 9487.92  619.19 9585.18  623.79 9935.58  622.1110078.49   613.4
10128.93  605.1310321.23  604.2110549.26  619.18 10820.6  617.8811394.46  615.91
12716.07  615.9112933.59  607.8813492.76  607.8813922.95  609.8513977.24  611.82
14242.92   610.414249.23  602.3414345.61  601.1714941.19  589.3115448.22  583.94
15480.06  580.5915592.16  575.7215621.08   572.5 15666.6  567.9816048.86  567.98
 16104.3  573.3916157.45  583.9416247.55  609.6516266.85  612.3716509.04  642.81
16956.09  648.1317398.29  651.7819543.46  650.1519660.52  650.1519893.67  650.44
20249.18  642.8521251.23  644.09 21512.7  646.06   23215  648.0323603.45  648.97
24033.33  652.6224694.12  660.5824921.66  661.9726053.79  661.9726699.18  653.94
26977.35  653.9427560.47  651.9727801.93  650.83 27976.2  651.2828118.42  650.36
 28269.4  651.4628568.07  655.6328894.88  658.5230010.37  684.2830685.14  685.29
31668.41  742.9731813.35  743.1832440.13  695.9432475.39  695.9934094.26  762.65
35154.09  757.4935354.68  757.6135712.14  776.1735754.26  776.4736065.69  770.61
36402.59     781 36563.2  782.12 37349.8     79038056.71  791.31 38413.2     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515448.22     .1516157.45     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15448.2216157.45                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.03    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1491160.00   133568.40   1668743.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1491160.00   133568.40   1668743.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3109679.00   410053.00   3210269.00
  Top Width (ft)          33502.22    Top Width (ft)          14167.00     709.23   18625.99
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.09       3.07       1.92
  Max Chl Dpth (ft)         191.99    Hydr. Depth (ft)          105.26     188.33      89.59
  Conv. Total (cfs)       712171600.0    Conv. (cfs)            329067600.0   43391990.0   339712100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14182.03     711.21   18637.15
  Min Ch El (ft)            567.98    Shear (lb/sq ft)            0.59       1.05       0.50
  Alpha                       1.04    Stream Power (lb/ft s)      1.22       3.21       0.96
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    156087.70   24792.70   184824.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1437.92     121.77    1765.74


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276309.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  177.96  793.66  579.01  779.89 1219.85  762.23 1381.11   756.3
 1638.64  748.75 1789.67  748.02  2105.5  748.02 2406.99  747.48 3216.73  716.34
 3281.49  713.09 3363.78  711.98 3373.99  711.92 3555.82  718.93 3718.04  718.02
 3846.97  717.07 3985.41  713.54 4323.79  705.46 4736.19  697.06 5043.11  696.35
 5175.18  694.96 5318.89   691.8 5380.72  689.32 5708.24  686.64 6023.77  685.47
 6151.06  686.04 6349.91  682.08 6500.31   680.1 6564.64  678.12 6608.92  678.12
 6744.82   679.5 6941.37  689.52 6998.27  686.75 7115.25  681.85  7443.6  664.53
 7486.88  663.39 7626.58   654.5 7891.44  629.04 7904.17  627.52 8060.21  622.61
 8185.54  621.61 8415.31  623.73 8573.22  622.47 8738.65  617.19  8906.9  614.78
 9037.24  597.92  9052.8  597.82 9133.85  593.86 9285.91  587.92 9337.72  587.92
 9375.69  589.73 9490.25  619.23 9587.53  623.86 9938.02  622.1810080.96  613.47
10131.42  605.2110323.77  604.2810551.85  619.2210823.26  617.9211397.26  615.94
12719.19  615.9412936.77  607.9213496.07  607.9213926.36   609.913980.67  611.88
14246.42  610.4514252.72   602.414349.13  601.2414944.86  589.3315452.01  583.96
15483.99   580.615596.58  575.7415625.62  572.5115671.33  567.9816053.84  567.98
16109.45  573.3916162.77  583.9616252.86  609.6516272.16  612.3716514.32  642.78
16961.32  648.0917403.47  651.7419548.41   650.119665.46   650.119898.59  650.39
20254.05  642.81   21256  644.0621517.44  646.0423219.56  648.0223607.97  648.96
24037.81  652.6224698.53   660.624926.04  661.9826058.05  661.9826703.37  653.96
26981.51  653.9627564.57  651.98   27806  650.8327980.25  651.2828122.46  650.34
28273.42  651.4528572.05  655.6228898.84  658.51 30014.2  684.25 30688.9  685.26
31672.06  742.8831816.99   743.132443.71  695.9232478.96  695.9734097.66  762.57
35157.38  757.4235357.95  757.5535715.37   776.135757.48   776.436068.88  770.56
36405.74  780.9536566.33  782.0837352.85     79038059.68  791.3238416.13     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515452.01     .1516162.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15452.0116162.77                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
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```
  E.G. Elev (ft)            760.03    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1491235.00   133847.90   1669034.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1491235.00   133847.90   1669034.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3108791.00   410812.30   3210397.00
  Top Width (ft)          33523.68    Top Width (ft)          14170.57     710.76   18642.36
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.08       3.07       1.92
  Max Chl Dpth (ft)         191.99    Hydr. Depth (ft)          105.23     188.32      89.53
  Conv. Total (cfs)       712315900.0    Conv. (cfs)            329040300.0   43481150.0   339794500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14185.58     712.74   18653.49
  Min Ch El (ft)            567.98    Shear (lb/sq ft)            0.59       1.05       0.50
  Alpha                       1.04    Stream Power (lb/ft s)      1.22       3.21       0.96
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    155916.60   24777.36   184632.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1436.30     121.69    1763.60


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276306.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev
       0     800  178.01  793.66  579.15  779.88 1220.15  762.23 1381.45  756.29
 1639.05  748.75 1790.11  748.01 2106.01  748.01 2407.58  747.47 3217.52  716.35
  3282.3   713.1 3364.61  711.99 3374.81  711.93  3556.7  718.92 3718.95  718.01
 3847.92  717.05 3986.38  713.53 4324.85  705.44 4737.36  697.05 5044.35  696.33
 5176.45  694.94 5320.19  691.78 5382.04  689.28 5709.64  686.61 6025.25  685.45
 6152.57  686.02 6351.47  682.04  6501.9  680.05 6566.25  678.06 6610.55  678.06
 6746.47  679.45 6943.08  689.47 6999.99  686.71 7116.99  681.83 7445.43  664.53
 7488.72   663.4 7628.45  654.55 7893.38  629.13 7906.11  627.61 8062.19  622.68
 8187.55  621.68 8417.37  623.83 8575.32  622.57  8740.8  617.26 8909.09  614.85
 9039.46  598.01 9055.03  597.91 9136.09  593.93 9288.19  587.96 9340.01  587.96
 9377.99  589.77 9492.58  619.28 9589.89  623.93 9940.46  622.2410083.44  613.54
 10133.9  605.28 10326.3  604.3510554.44  619.2710825.92  617.9611400.06  615.97
12722.31  615.9712939.94  607.9613499.39  607.9613929.78  609.95 13984.1  611.94
14249.92   610.514256.22  602.4614352.66   601.314948.53  589.3615455.81  583.98
15487.92  580.6115600.99  575.7615630.16  572.5215676.07  567.9816058.82  567.98
 16114.6  573.3816168.08  583.9816258.16  609.6516277.46  612.37 16519.6  642.74
16966.55  648.0617408.65   651.719553.36  650.05 19670.4  650.0519903.51  650.34
20258.94  642.7821260.77  644.0321522.19  646.0223224.12  648.0123612.49  648.95
24042.28  652.6124702.93  660.6124930.42  661.99 26062.3  661.9926707.56  653.98
26985.67  653.9827568.66  651.9927810.07  650.83 27984.3  651.28 28126.5  650.33
28277.44  651.4428576.04  655.6128902.79   658.530018.04  684.2230692.66  685.24
31675.72  742.7931820.63  743.0132447.28   695.932482.53  695.9534101.05  762.48
35160.66  757.3435361.21  757.4935718.59  776.03 35760.7  776.3336072.06  770.52
36408.89  780.9136569.46  782.04 37355.9     79038062.66  791.3238419.07     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515455.81     .1516168.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15455.8116168.08                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.03    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1491304.00   134124.60   1669337.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1491304.00   134124.60   1669337.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3107901.00   411566.10   3210533.00
  Top Width (ft)          33547.48    Top Width (ft)          14174.14     712.27   18661.07
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.08       3.07       1.92
  Max Chl Dpth (ft)         191.98    Hydr. Depth (ft)          105.21     188.31      89.46
  Conv. Total (cfs)       712455900.0    Conv. (cfs)            329010700.0   43569500.0   339875700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14189.14     714.26   18672.19
  Min Ch El (ft)            567.98    Shear (lb/sq ft)            0.59       1.05       0.50
  Alpha                       1.04    Stream Power (lb/ft s)      1.22       3.21       0.96
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    155745.40   24761.98   184441.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1434.67     121.61    1761.46


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276303.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev
       0     800  178.05  793.66   579.3  779.87 1220.45  762.22 1381.78  756.29
 1639.45  748.74 1790.55     748 2106.53     748 2408.17  747.46 3218.31  716.37
  3283.1  713.12 3365.43     712 3375.64  711.94 3557.57  718.92 3719.87     718
 3848.86  717.04 3987.36  713.51 4325.91  705.42 4738.52  697.03 5045.59  696.31
 5177.72  694.92  5321.5  691.75 5383.36  689.25 5711.04  686.57 6026.73  685.43
 6154.08     686 6353.03     682  6503.5     680 6567.86     678 6612.17     678
 6748.13   679.4 6944.78  689.42 7001.71  686.66 7118.74   681.8 7447.26  664.54
 7490.56  663.42 7630.33  654.61 7895.31  629.22 7908.05   627.7 8064.17  622.76
 8189.56  621.76 8419.44  623.92 8577.43  622.66 8742.94  617.34 8911.27  614.93
 9041.67   598.1 9057.25     598 9138.33     594 9290.47     588  9342.3     588
 9380.29  589.82 9494.91  619.33 9592.24     624  9942.9  622.310085.91   613.6
10136.39  605.3610328.83  604.4310557.03  619.3210828.57    61811402.86     616
12725.43    61612943.12     608 13502.7     608 13933.2    61013987.54     612
14253.41  610.5614259.72  602.5214356.18  601.3614952.19  589.38 15459.6     584
15491.85  580.62 15605.4  575.78 15634.7  572.53 15680.8  567.98 16063.8  567.98
16119.75  573.38 16173.4    58416263.47  609.6516282.77  612.3616524.88   642.7
16971.78  648.0217413.84  651.6619558.32    65019675.34    65019908.42  650.29
20263.81  642.7421265.54    64421526.93    64623228.69    64823617.01  648.95
24046.76  652.6124707.33  660.6224934.79    66226066.56    66226711.75     654
26989.83    65427572.76    65227814.14  650.8427988.36  651.2828130.53  650.32
28281.46  651.4228580.03  655.6128906.75   658.530021.87  684.1930696.42  685.21
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31679.38  742.7131824.27  742.9332450.86  695.88 32486.1  695.9334104.45  762.39
35163.95  757.2735364.47  757.4235721.82  775.9635763.92  776.2636075.25  770.47
36412.04  780.86 36572.6     78237358.95     79038065.63  791.33   38422     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 15459.6     .15 16173.4     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       15459.6 16173.4                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.03    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1491369.00   134404.30   1669629.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1491369.00   134404.30   1669629.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3107009.00   412330.50   3210661.00
  Top Width (ft)          33570.61    Top Width (ft)          14177.78     713.80   18679.03
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.08       3.07       1.92
  Max Chl Dpth (ft)         191.98    Hydr. Depth (ft)          105.19     188.29      89.39
  Conv. Total (cfs)       712591200.0    Conv. (cfs)            328978700.0   43658700.0   339953800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14192.76     715.79   18690.13
  Min Ch El (ft)            567.98    Shear (lb/sq ft)            0.59       1.05       0.50
  Alpha                       1.04    Stream Power (lb/ft s)      1.22       3.21       0.96
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    155574.20   24746.56   184249.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1433.04     121.52    1759.32


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276300.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   178.1  793.65  579.44  779.85 1220.75  762.22 1382.12  756.28
 1639.85  748.73 1790.99  747.99 2107.05  747.99 2408.76  747.44  3219.1  716.39
 3283.91  713.13 3366.26  712.01 3376.47  711.95 3558.44  718.91 3720.78  717.99
 3849.81  717.02 3988.34  713.49 4326.97   705.4 4739.68  697.02 5046.82  696.29
 5178.99   694.9 5322.81  691.72 5384.68  689.21 5712.44  686.54 6028.21   685.4
 6155.59  685.98 6354.59  681.96 6505.09  679.95 6569.48  677.94 6613.79  677.94
 6749.79  679.34 6946.48  689.36 7003.43  686.62 7120.49  681.77 7449.08  664.55
  7492.4  663.44  7632.2  654.67 7897.25  629.31 7909.99  627.79 8066.15  622.83
 8191.57  621.83  8421.5  624.02 8579.53  622.76 8745.09  617.42 8913.46     615
 9043.89  598.19 9059.47  598.09 9140.58  594.07 9292.75  588.04 9344.59  588.04
 9382.59  589.87 9497.24  619.37 9594.59  624.07 9945.34  622.3610088.39  613.67
10138.88  605.4410331.37   604.510559.62  619.3610831.23  618.0411405.65  616.03
12728.56  616.0312946.29  608.0413506.01  608.0413936.62  610.0513990.97  612.06
14256.91  610.6114263.22  602.59 14359.7  601.4214955.86  589.4115463.39  584.02
15495.78  580.6415609.81   575.815639.24  572.5415685.53  567.9816068.78  567.98
16124.91  573.3816178.72  584.0216268.78  609.6516288.07  612.3616530.15  642.67
16977.01  647.9917419.02  651.6219563.27  649.9519680.29  649.9519913.34  650.24
20268.69   642.721270.32  643.9721531.68  645.9823233.25  647.9923621.53  648.94
24051.23  652.6124711.74  660.6324939.17  662.0126070.82  662.0126715.94  654.02
26993.99  654.0227576.86  652.0127818.21  650.8427992.41  651.2728134.57   650.3
28285.48  651.4128584.02   655.6 28910.7  658.49 30025.7  684.1630700.19  685.19
31683.04  742.6231827.92  742.8432454.43  695.8632489.67  695.9134107.85   762.3
35167.23   757.235367.73  757.3635725.04  775.8935767.14  776.1936078.44  770.42
36415.19  780.8136575.73  781.96   37362     79038068.61  791.3438424.93     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515463.39     .1516178.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15463.3916178.72                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.03    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1491445.00   134683.10   1669930.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1491445.00   134683.10   1669930.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3106133.00   413086.00   3210781.00
  Top Width (ft)          33593.65    Top Width (ft)          14181.34     715.33   18696.97
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.08       3.07       1.92
  Max Chl Dpth (ft)         191.98    Hydr. Depth (ft)          105.17     188.28      89.32
  Conv. Total (cfs)       712734500.0    Conv. (cfs)            328952100.0   43747500.0   340034800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14196.30     717.31   18708.06
  Min Ch El (ft)            567.98    Shear (lb/sq ft)            0.58       1.05       0.50
  Alpha                       1.04    Stream Power (lb/ft s)      1.22       3.21       0.96
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    155403.00   24731.12   184058.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1431.42     121.44    1757.17


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276297.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   178.14  793.65  579.58  779.84 1221.05  762.22 1382.46  756.27
 1640.25  748.73 1791.43  747.98 2107.57  747.98 2409.35  747.43 3219.89   716.4
 3284.71  713.15 3367.09  712.02  3377.3  711.96 3559.31   718.9 3721.69  717.98
 3850.75  717.01 3989.32  713.48 4328.04  705.38 4740.84     697 5048.06  696.27
 5180.26  694.89 5324.11   691.7    5386  689.17 5713.84  686.51 6029.69  685.38
  6157.1  685.96 6356.15  681.92 6506.69   679.9 6571.09  677.88 6615.41  677.88
 6751.44  679.29 6948.19  689.31 7005.15  686.57 7122.23  681.75 7450.91  664.55
 7494.24  663.45 7634.07  654.72 7899.19   629.4 7911.93  627.88 8068.13   622.9
 8193.58   621.9 8423.57  624.11 8581.64  622.86 8747.23   617.5 8915.65  615.08
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 9046.11  598.28 9061.69  598.18 9142.82  594.14 9295.03  588.08 9346.88  588.08
 9384.89  589.92 9499.57  619.42 9596.95  624.14 9947.78  622.4210090.86  613.74
10141.37  605.51 10333.9  604.5710562.21  619.4110833.89  618.0811408.45  616.06
12731.68  616.0612949.47  608.0813509.33  608.0813940.04   610.1 13994.4  612.12
14260.41  610.6614266.72  602.6514363.22  601.4814959.53  589.4315467.19  584.04
15499.71  580.6515614.23  575.8115643.77  572.5515690.27  567.9816073.76  567.98
16130.06  573.3716184.03  584.0416274.09  609.6416293.38  612.3616535.43  642.63
16982.24  647.9517424.21  651.5719568.23   649.919685.23   649.919918.26   650.2
20273.57  642.6721275.09  643.9421536.42  645.9623237.81  647.9823626.05  648.94
24055.71   652.624716.14  660.6424943.55  662.0226075.08  662.0226720.12  654.04
26998.15  654.0427580.95  652.0227822.28  650.8527996.46  651.2728138.61  650.29
 28289.5  651.3928588.01  655.5928914.65  658.4830029.54  684.1330703.95  685.17
31686.69  742.5331831.56  742.7632458.01  695.8432493.24  695.8934111.25  762.21
35170.52  757.13   35371   757.335728.27  775.8235770.36  776.1236081.62  770.37
36418.34  780.7736578.86  781.9237365.05     79038071.58  791.3438427.87     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515467.19     .1516184.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15467.1916184.03                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.03    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1491519.00   134960.30   1670239.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)             1491519.00   134960.30   1670239.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3105240.00   413839.40   3210921.00
  Top Width (ft)          33616.80    Top Width (ft)           14184.92     716.84   18715.05
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.08       3.07       1.92
  Max Chl Dpth (ft)         191.98    Hydr. Depth (ft)          105.15     188.27      89.25
  Conv. Total (cfs)       712878800.0    Conv. (cfs)            328924200.0   43836150.0   340118400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         14199.86     718.82   18726.12
  Min Ch El (ft)            567.98    Shear (lb/sq ft)            0.58       1.04       0.50
  Alpha                       1.04    Stream Power (lb/ft s)      1.22       3.20       0.95
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    155231.80   24715.65   183866.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1429.79     121.36    1755.02


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276294.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  178.18  793.64  579.72  779.83 1221.35  762.21  1382.8  756.26
 1640.65  748.72 1791.87  747.97 2108.08  747.97 2409.94  747.42 3220.68  716.42
 3285.52  713.17 3367.91  712.03 3378.13  711.97 3560.19   718.9  3722.6  717.97
  3851.7  716.99  3990.3  713.46  4329.1  705.36 4742.01  696.99  5049.3  696.25
 5181.53  694.87 5325.42  691.67 5387.32  689.14 5715.24  686.47 6031.17  685.36
 6158.61  685.94 6357.71  681.88 6508.28  679.85  6572.7  677.82 6617.03  677.82
  6753.1  679.24 6949.89  689.26 7006.86  686.52 7123.98  681.72 7452.74  664.56
 7496.07  663.47 7635.94  654.78 7901.12  629.49 7913.87  627.96 8070.11  622.97
 8195.59  621.97 8425.64  624.21 8583.74  622.95 8749.38  617.58 8917.83  615.15
 9048.33  598.37 9063.92  598.27 9145.06  594.21 9297.31  588.12 9349.18  588.12
 9387.19  589.97  9501.9  619.47  9599.3  624.21 9950.21  622.4810093.34  613.81
10143.85  605.5910336.44  604.64 10564.8  619.4610836.54  618.1211411.25  616.09
 12734.8  616.0912952.64  608.1213512.64  608.1213943.46  610.1513997.83  612.18
 14263.9  610.7214270.22  602.7114366.75  601.54 14963.2  589.4615470.98  584.06
15503.64  580.6615618.64  575.8315648.31  572.56   15695  567.9816078.74  567.98
16135.21  573.3716189.35  584.0616279.39  609.6416298.68  612.3516540.71  642.59
16987.48  647.9217429.39  651.5319573.18  649.8519690.17  649.8519923.17  650.15
20278.45  642.6321279.86  643.9121541.16  645.9423242.37  647.9723630.57  648.93
24060.18   652.624720.54  660.6524947.93  662.0326079.34  662.0326724.31  654.06
27002.31  654.0627585.05  652.0327826.35  650.8528000.51  651.2728142.64  650.28
28293.52  651.38   28592  655.5928918.61  658.4730033.37   684.130707.71  685.14
31690.35  742.45 31835.2  742.6732461.58  695.8232496.81  695.8734114.64  762.13
 35173.8  757.0635374.26  757.2335731.49  775.7535773.57  776.0536084.81  770.33
36421.49  780.72   36582  781.88 37368.1     79038074.55  791.35 38430.8     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515470.98     .1516189.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15470.9816189.35                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.03    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1491583.00   135239.70   1670537.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)             1491583.00   135239.70   1670537.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3104322.00   414600.70   3211078.00
  Top Width (ft)          33639.00    Top Width (ft)           14188.65     718.37   18731.97
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.08       3.07       1.92
  Max Chl Dpth (ft)         191.98    Hydr. Depth (ft)          105.13     188.26      89.18
  Conv. Total (cfs)       713016200.0    Conv. (cfs)            328890300.0   43925260.0   340200600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         14203.58     720.35   18743.03
  Min Ch El (ft)            567.98    Shear (lb/sq ft)            0.58       1.04       0.50
  Alpha                       1.04    Stream Power (lb/ft s)      1.22       3.20       0.95
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    155060.60   24700.14   183674.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1428.16     121.28    1752.87


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276291.*

INPUT
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Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  178.23  793.64  579.86  779.82 1221.65  762.21 1383.14  756.26
 1641.06  748.71 1792.31  747.96  2108.6  747.96 2410.53  747.41 3221.47  716.44
 3286.32  713.18 3368.74  712.04 3378.96  711.98 3561.06  718.89 3723.52  717.96
 3852.64  716.98 3991.28  713.44 4330.16  705.34 4743.17  696.97 5050.54  696.24
  5182.8  694.85 5326.72  691.64 5388.64   689.1 5716.65  686.44 6032.65  685.33
 6160.12  685.92 6359.27  681.84 6509.88   679.8 6574.31  677.76 6618.66  677.76
 6754.75  679.18 6951.59   689.2 7008.58  686.48 7125.73  681.69 7454.57  664.57
 7497.91  663.49 7637.81  654.84 7903.06  629.57 7915.81  628.05 8072.08  623.04
  8197.6  622.05  8427.7   624.3 8585.85  623.05 8751.52  617.66 8920.02  615.23
 9050.55  598.46 9066.14  598.36  9147.3  594.28 9299.59  588.16 9351.47  588.16
  9389.5  590.02 9504.23  619.51 9601.66  624.28 9952.65  622.5410095.81  613.88
10146.34  605.6710338.97  604.7110567.39   619.5 10839.2  618.1611414.05  616.12
12737.92  616.1212955.82  608.1613515.95  608.1613946.88   610.214001.26  612.24
 14267.4  610.7714273.72  602.7714370.27   601.614966.87  589.4915474.77  584.08
15507.57  580.6715623.05  575.8515652.85  572.5615699.74  567.9816083.72  567.98
16140.36  573.3616194.67  584.08 16284.7  609.6416303.99  612.3516545.99  642.56
16992.71  647.8817434.58  651.4919578.14   649.819695.11   649.819928.09   650.1
20283.33  642.5921284.63  643.8821545.91  645.9223246.93  647.9623635.09  648.93
24064.65   652.624724.95  660.6724952.31  662.0426083.59  662.04 26728.5  654.08
27006.47  654.0827589.15  652.0427830.42  650.8628004.56  651.2728146.68  650.27
28297.54  651.3628595.99  655.5828922.56  658.4730037.21  684.0730711.47  685.12
31694.01  742.3631838.84  742.5932465.15   695.832500.38  695.8534118.04  762.04
35177.08  756.9935377.52  757.1735734.71  775.6835776.79  775.98   36088  770.28
36424.64  780.6836585.13  781.8437371.14     79038077.52  791.3638433.74     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515474.77     .1516194.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15474.7716194.67                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.03    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1491652.00   135520.40   1670825.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1491652.00   135520.40   1670825.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3103463.00   415366.90   3211170.00
  Top Width (ft)          33662.29    Top Width (ft)          14192.12     719.90   18750.27
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.08       3.06       1.92
  Max Chl Dpth (ft)         191.98    Hydr. Depth (ft)          105.10     188.25      89.11
  Conv. Total (cfs)       713153300.0    Conv. (cfs)            328862500.0   44014900.0   340275900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14207.02     721.88   18761.31
  Min Ch El (ft)            567.98    Shear (lb/sq ft)            0.58       1.04       0.50
  Alpha                       1.04    Stream Power (lb/ft s)      1.21       3.20       0.95
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    154889.40   24684.60   183482.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1426.53     121.20    1750.72


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276288.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  178.27  793.63  580.01   779.8 1221.95  762.21 1383.48  756.25
 1641.46  748.71 1792.75  747.95 2109.12  747.95 2411.12  747.39 3222.26  716.45
 3287.13   713.2 3369.56  712.05 3379.78  711.99 3561.93  718.89 3724.43  717.95
 3853.58  716.96 3992.25  713.42 4331.22  705.32 4744.33  696.96 5051.78  696.22
 5184.07  694.83 5328.03  691.61 5389.96  689.06 5718.05  686.41 6034.12  685.31
 6161.63   685.9 6360.82   681.8 6511.48  679.75 6575.92   677.7 6620.28   677.7
 6756.41  679.13  6953.3  689.15  7010.3  686.43 7127.47  681.66 7456.39  664.57
 7499.75   663.5 7639.69  654.89    7905  629.66 7917.75  628.14 8074.06  623.11
 8199.61  622.12 8429.77   624.4 8587.95  623.15 8753.67  617.73 8922.21   615.3
 9052.77  598.55 9068.36  598.45 9149.54  594.35 9301.87   588.2 9353.76   588.2
  9391.8  590.07 9506.56  619.56 9604.01  624.35 9955.09  622.6110098.29  613.94
10148.83  605.74 10341.5  604.7910569.98  619.5510841.86   618.211416.84  616.15
12741.05  616.1512958.99   608.213519.26   608.213950.29  610.25 14004.7   612.3
 14270.9  610.8214277.21  602.8414373.79  601.6614970.54  589.5115478.57   584.1
 15511.5  580.6815627.47  575.8715657.39  572.5715704.47  567.97 16088.7  567.97
16145.51  573.3616199.99   584.116290.01  609.6416309.29  612.3516551.27  642.52
16997.94  647.8517439.76  651.4519583.09  649.7519700.05  649.7519933.01  650.05
20288.21  642.56 21289.4  643.8521550.65   645.9 23251.5  647.9523639.61  648.92
24069.13  652.5924729.35  660.6824956.69  662.0526087.85  662.0526732.69   654.1
27010.63   654.127593.24  652.05 27834.5  650.8628008.62  651.2728150.72  650.25
28301.56  651.3528599.98  655.5728926.52  658.4630041.04  684.0430715.23  685.09
31697.66  742.2831842.48   742.532468.73  695.7832503.96  695.8334121.44  761.95
35180.37  756.9235380.78  757.1135737.94  775.6135780.02  775.9236091.18  770.23
36427.79  780.6336588.26   781.8 37374.2     790 38080.5  791.3638436.68     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515478.57     .1516199.99     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15478.5716199.99                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.03    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1491731.00   135802.30   1671134.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1491731.00   135802.30   1671134.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3102579.00   416137.80   3211283.00
  Top Width (ft)          33685.80    Top Width (ft)          14195.69     721.42   18768.69
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.08       3.06       1.92
  Max Chl Dpth (ft)         191.99    Hydr. Depth (ft)          105.08     188.24      89.04
  Conv. Total (cfs)       713300500.0    Conv. (cfs)            328836700.0   44105690.0   340358100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14210.57     723.41   18779.71
  Min Ch El (ft)            567.97    Shear (lb/sq ft)            0.58       1.04       0.49
  Alpha                       1.04    Stream Power (lb/ft s)      1.21       3.20       0.95
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    154718.20   24669.03   183291.00
```

```
  C & E Loss (ft)             0.00    Cum SA (acres)           1424.90     121.11    1748.57


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276285.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  178.31  793.63  580.15  779.79 1222.25  762.21 1383.82  756.24
  1641.86   748.7 1793.19  747.94 2109.63  747.94 2411.71  747.38 3223.05  716.47
  3287.93  713.21 3370.39  712.06 3380.61     712 3562.81  718.88 3725.34  717.94
  3854.53  716.95 3993.23  713.41 4332.28   705.3 4745.49  696.94 5053.01   696.2
  5185.34  694.81 5329.33  691.59 5391.28  689.03 5719.45  686.37  6035.6  685.29
  6163.14  685.88 6362.38  681.76 6513.07   679.7 6577.53  677.64  6621.9  677.64
  6758.06  679.08    6955   689.1 7012.02  686.39 7129.22  681.64 7458.22  664.58
  7501.59  663.52 7641.56  654.95 7906.94  629.75 7919.69  628.23 8076.04  623.18
  8201.62  622.19 8431.83  624.49 8590.05  623.24 8755.81  617.81 8924.39  615.38
  9054.98  598.64 9070.58  598.54 9151.79  594.42 9304.15  588.24 9356.05  588.24
   9394.1  590.12 9508.89  619.61 9606.36  624.42 9957.53  622.6710100.76  614.01
 10151.31  605.8210344.04  604.8610572.57   619.610844.51  618.2411419.64  616.18
 12744.17  616.1812962.17  608.2413522.58  608.2413953.71   610.314008.13  612.36
 14274.39  610.8714280.71   602.914377.31  601.7214974.21  589.5415482.36  584.12
 15515.43  580.6915631.88  575.8815661.92  572.58 15709.2  567.9716093.67  567.97
 16150.66  573.35 16205.3  584.1216295.32  609.64 16314.6  612.3416556.55  642.48
 17003.17  647.8117444.94  651.4119588.05   649.719704.99   649.719937.93     650
 20293.09  642.5221294.17  643.8221555.39  645.8823256.06  647.9423644.13  648.92
  24073.6  652.5924733.75  660.6924961.07  662.0626092.11  662.0626736.88  654.12
 27014.79  654.1227597.34  652.0627838.57  650.8628012.67  651.2728154.75  650.24
 28305.58  651.3428603.96  655.5728930.47  658.4530044.88  684.02   30719  685.07
 31701.32  742.1931846.12  742.42 32472.3  695.7632507.53  695.8134124.83  761.86
 35183.65  756.8435384.04  757.0535741.16  775.5435783.23  775.8536094.37  770.18
 36430.94  780.5936591.39  781.7637377.24     79038083.47  791.3738439.61     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515482.36     .15 16205.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15482.36 16205.3                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.03    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1491793.00   136081.20   1671436.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1491793.00   136081.20   1671436.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3101693.00   416900.40   3211407.00
  Top Width (ft)          33710.27    Top Width (ft)          14199.26     722.94   18788.07
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.08       3.06       1.92
  Max Chl Dpth (ft)         191.99    Hydr. Depth (ft)          105.06     188.23      88.96
  Conv. Total (cfs)       713435100.0    Conv. (cfs)            328804900.0   44194860.0   340435400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14214.12     724.93   18799.07
  Min Ch El (ft)            567.97    Shear (lb/sq ft)            0.58       1.04       0.49
  Alpha                       1.04    Stream Power (lb/ft s)      1.21       3.19       0.95
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    154546.90   24653.42   183099.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1423.27     121.03    1746.41


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276283.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  178.36  793.62  580.29  779.78 1222.55   762.2 1384.16  756.23
  1642.26   748.7 1793.63  747.93 2110.15  747.93  2412.3  747.37 3223.84  716.49
  3288.74  713.23 3371.21  712.07 3381.44  712.01 3563.68  718.88 3726.26  717.93
  3855.47  716.93 3994.21  713.39 4333.34  705.29 4746.66  696.93 5054.25  696.18
  5186.61  694.79 5330.64  691.56  5392.6  688.99 5720.85  686.34 6037.08  685.27
  6164.65  685.86 6363.94  681.72 6514.67  679.65 6579.14  677.58 6623.52  677.58
  6759.72  679.02 6956.71  689.04 7013.73  686.34 7130.96  681.61 7460.05  664.59
  7503.43  663.54 7643.43  655.01 7908.87  629.84 7921.63  628.32 8078.02  623.26
  8203.62  622.26  8433.9  624.59 8592.16  623.34 8757.96  617.89 8926.58  615.45
   9057.2  598.73  9072.8  598.63 9154.03  594.49 9306.43  588.28 9358.34  588.28
   9396.4  590.17 9511.22  619.65 9608.72  624.49 9959.97  622.7310103.24  614.08
  10153.8   605.910346.57  604.9310575.16  619.6410847.17  618.2811422.44  616.21
 12747.29  616.2112965.35  608.2813525.89  608.2813957.13  610.3514011.56  612.42
 14277.89  610.9314284.21  602.9614380.83  601.7814977.87  589.5615486.15  584.14
 15519.36  580.7115636.29   575.915666.46  572.5915713.94  567.9716098.65  567.97
 16155.81  573.3516210.62  584.1416300.62  609.63 16319.9  612.3416561.83  642.45
  17008.4  647.7817450.13  651.37   19593  649.6519709.94  649.6519942.84  649.95
 20297.97  642.4921298.95  643.7921560.14  645.8623260.62  647.9323648.65  648.91
 24078.07  652.5924738.16   660.724965.45  662.0726096.37  662.0726741.07  654.14
 27018.94  654.1427601.44  652.0727842.64  650.8728016.72  651.2628158.79  650.23
  28309.6  651.3228607.95  655.5628934.42  658.4430048.71  683.9930722.76  685.05
 31704.97   742.131849.76  742.3332475.88  695.73 32511.1  695.7934128.23  761.77
 35186.93  756.77 35387.3  756.9835744.39  775.4735786.45  775.7836097.55  770.14
 36434.09  780.5436594.53  781.7237380.29     79038086.44  791.3838442.55     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515486.15     .1516210.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15486.1516210.62                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.03    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
```

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  W.S. Elev (ft)            759.96    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1491857.00   136359.90   1671743.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1491857.00   136359.90   1671743.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3100788.00   417658.40   3211554.00
  Top Width (ft)          33734.37    Top Width (ft)          14202.99     724.47   18806.90
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)           2.08       3.06       1.92
  Max Chl Dpth (ft)         191.99    Hydr. Depth (ft)         105.04     188.22      88.89
  Conv. Total (cfs)       713569600.0    Conv. (cfs)            328770900.0   44283560.0   340515100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14217.84     726.46   18817.89
  Min Ch El (ft)            567.97    Shear (lb/sq ft)           0.58       1.04       0.49
  Alpha                       1.04    Stream Power (lb/ft s)     1.21       3.19       0.95
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    154375.70   24637.79   182907.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1421.64     120.95    1744.26


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276280.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   178.4  793.62  580.43  779.77 1222.85   762.2  1384.5  756.22
 1642.67  748.69 1794.07  747.92 2110.67  747.92  2412.9  747.36 3224.63  716.51
 3289.55  713.24 3372.04  712.08 3382.27  712.02 3564.55  718.87 3727.17  717.92
 3856.42  716.92 3995.19  713.37  4334.4  705.27 4747.82  696.91 5055.49  696.16
 5187.88  694.77 5331.94  691.53 5393.92  688.95 5722.25  686.31 6038.56  685.24
 6166.16  685.84  6365.5  681.68 6516.26   679.6 6580.76  677.52 6625.15  677.52
 6761.38  678.97 6958.41  688.99 7015.45   686.3 7132.71  681.58 7461.88  664.59
 7505.26  663.56  7645.3  655.06 7910.81  629.93 7923.57  628.41    8080  623.33
 8205.63  622.34 8435.96  624.68 8594.26  623.44  8760.1  617.97 8928.77  615.53
 9059.42  598.82 9075.03  598.72 9156.27  594.56 9308.71  588.32 9360.64  588.32
  9398.7  590.22 9513.55   619.7 9611.07  624.56 9962.41  622.7910105.71  614.15
10156.29  605.9710349.11     60510577.75  619.6910849.83  618.3211425.24  616.24
12750.41  616.2412968.52  608.32 13529.2  608.3213960.55   610.414014.99  612.48
14281.39  610.9814287.71  603.0214384.36  601.8414981.54  589.5915489.94  584.16
15523.29  580.7215640.71  575.92   15671   572.615718.67  567.9716103.63  567.97
16160.97  573.3516215.94  584.1616305.93  609.6316325.21  612.3416567.11  642.41
17013.63  647.7417455.31  651.3219597.96   649.619714.88   649.619947.76   649.9
20302.85  642.4521303.72  643.7621564.88  645.8423265.18  647.9223653.17  648.91
24082.55  652.5824742.56  660.7124969.83  662.0826100.62  662.0826745.26  654.16
 27023.1  654.1627605.53  652.0827846.71  650.8728020.77  651.2628162.83  650.21
28313.62  651.3128611.94  655.5528938.38  658.4430052.54  683.9630726.52  685.02
31708.63  742.02 31853.4  742.2432479.45  695.7132514.67  695.7734131.63  761.69
35190.22   756.735390.57  756.9235747.61   775.435789.67  775.7136100.74  770.09
36437.24  780.4936597.66  781.6837383.34     79038089.41  791.3838445.48     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515489.94     .1516215.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15489.9416215.94                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.03    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1491926.00   136639.40   1672061.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1491926.00   136639.40   1672061.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3099874.00   418412.50   3211714.00
  Top Width (ft)          33756.66    Top Width (ft)          14206.56     726.00   18824.10
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)           2.08       3.06       1.92
  Max Chl Dpth (ft)         191.99    Hydr. Depth (ft)         105.02     188.21      88.83
  Conv. Total (cfs)       713716800.0    Conv. (cfs)            328741700.0   44372660.0   340602400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14221.39     727.99   18835.06
  Min Ch El (ft)            567.97    Shear (lb/sq ft)           0.58       1.04       0.49
  Alpha                       1.04    Stream Power (lb/ft s)     1.21       3.19       0.95
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    154204.50   24622.12   182715.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1420.01     120.86    1742.10


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276277.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  178.45  793.61  580.58  779.76 1223.15   762.2 1384.84  756.22
 1643.07  748.68 1794.51  747.91 2111.18  747.91 2413.49  747.34 3225.42  716.52
 3290.35  713.26 3372.87  712.09  3383.1  712.03 3565.43  718.87 3728.08  717.91
 3857.36   716.9 3996.17  713.36 4335.47  705.25 4748.98   696.9 5056.73  696.14
 5189.15  694.75 5333.25  691.51 5395.25  688.92 5723.65  686.28 6040.04  685.22
 6167.67  685.82 6367.06  681.64 6517.86  679.55 6582.37  677.46 6626.77  677.46
 6763.03  678.92 6960.11  688.94 7017.17  686.25 7134.46  681.56  7463.7   664.6
  7507.1  663.57 7647.17  655.12 7912.75  630.02 7925.51  628.49 8081.98   623.4
 8207.64  622.41 8438.03  624.78 8596.37  623.53 8762.25  618.05 8930.95   615.6
 9061.64  598.91 9077.25  598.81 9158.51  594.63 9310.99  588.36 9362.93  588.36
    9401  590.27 9515.88  619.75 9613.42  624.63 9964.85  622.8510108.19  614.22
10158.77  606.0510351.64  605.0710580.34  619.7410852.49  618.3611428.03  616.27
12753.53  616.27 12971.7  608.3613532.51  608.3613963.97  610.4514018.42  612.54
14284.89  611.0314291.21  603.0914387.88   601.914985.21  589.6115493.74  584.18
15527.22  580.7315645.12  575.9415675.54  572.6115723.41  567.9716108.61  567.97
16166.12  573.3416221.25  584.1816311.24  609.6316330.51  612.3416572.39  642.37
17018.87  647.71 17460.5  651.2819602.91  649.5519719.82  649.5519952.68  649.86
20307.72  642.4121308.49  643.7321569.62  645.8223269.74  647.9123657.69   648.9
24087.02  652.5824746.96  660.7224974.21  662.0926104.88  662.0926749.45  654.18
27027.26  654.1827609.63  652.0927850.78  650.8828024.82  651.2628166.87   650.2
28317.64  651.2928615.93  655.5428942.33  658.4330056.38  683.9330730.28     685
31712.29  741.9331857.05  742.1632483.03  695.6932518.24  695.7534135.02   761.6
 35193.5  756.6335393.83  756.8635750.84  775.3335792.89  775.6436103.93  770.04
36440.39  780.4536600.79  781.6437386.39     79038092.39  791.3938448.41     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515493.74     .1516221.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15493.7416221.25                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.03    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1491997.00   136915.70   1672369.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1491997.00   136915.70   1672369.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3099006.00   419161.20   3211833.00
  Top Width (ft)          33780.57    Top Width (ft)          14210.03     727.51   18843.03
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.08       3.06       1.92
  Max Chl Dpth (ft)         191.99    Hydr. Depth (ft)          105.00     188.20      88.75
  Conv. Total (cfs)       713857300.0    Conv. (cfs)            328714400.0   44460810.0   340682100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14224.84     729.50   18853.98
  Min Ch El (ft)            567.97    Shear (lb/sq ft)            0.58       1.04       0.49
  Alpha                       1.04    Stream Power (lb/ft s)      1.21       3.19       0.95
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    154033.20   24606.42   182523.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1418.38     120.78    1739.94


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276274.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  178.49  793.61  580.72  779.74 1223.45   762.2 1385.17  756.21
 1643.47  748.68 1794.94   747.9  2111.7   747.9 2414.08  747.33 3226.21  716.54
 3291.16  713.28 3373.69   712.1 3383.92  712.04  3566.3  718.86 3728.99   717.9
 3858.31  716.89 3997.15  713.34 4336.53  705.23 4750.14  696.88 5057.97  696.13
 5190.42  694.74 5334.56  691.48 5396.57  688.88 5725.05  686.24 6041.52   685.2
 6169.18   685.8 6368.62   681.6 6519.45   679.5 6583.98   677.4 6628.39   677.4
 6764.69  678.87 6961.82  688.89 7018.89   686.2  7136.2  681.53 7465.53  664.61
 7508.94  663.59 7649.05  655.18 7914.68   630.1 7927.45  628.58 8083.96  623.47
 8209.65  622.48  8440.1  624.87 8598.47  623.63 8764.39  618.13 8933.14  615.68
 9063.86     599 9079.47   598.9 9160.75   594.7 9313.27   588.4 9365.22   588.4
  9403.3  590.32 9518.21  619.79 9615.78   624.7 9967.29  622.9110110.66  614.28
10161.26  606.1310354.18  605.1510582.93  619.7810855.14   618.411430.83   616.3
12756.66   616.312974.87   608.413535.83   608.413967.39   610.514021.85   612.6
14288.38  611.0914294.71  603.15 14391.4  601.9614988.88  589.6415497.53   584.2
15531.15  580.7415649.53  575.9615680.08  572.6215728.14  567.9716113.59  567.97
16171.27  573.3416226.57   584.216316.54  609.6316335.82  612.3316577.67  642.34
 17024.1  647.6717465.68  651.2419607.87   649.519724.76   649.519957.59  649.81
 20312.6  642.3821313.26   643.721574.37   645.8 23274.3   647.923662.21   648.9
 24091.5  652.5824751.37  660.7424978.59   662.126109.14   662.126753.63   654.2
27031.42   654.227613.72   652.127854.85  650.8828028.88  651.26 28170.9  650.19
28321.67  651.2828619.92  655.5428946.28  658.4230060.21   683.930734.04  684.98
31715.95  741.8431860.69  742.07 32486.6  695.6732521.81  695.7334138.42  761.51
35196.79  756.5635397.09  756.7935754.06  775.2635796.11  775.5736107.11  769.99
36443.54   780.436603.93   781.637389.44     79038095.36   791.438451.35     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515497.53     .1516226.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15497.5316226.57                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.03    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1492061.00   137195.10   1672670.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1492061.00   137195.10   1672670.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3098131.00   419921.70   3211948.00
  Top Width (ft)          33804.88    Top Width (ft)          14213.60     729.04   18862.24
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.08       3.06       1.92
  Max Chl Dpth (ft)         191.99    Hydr. Depth (ft)          104.97     188.19      88.68
  Conv. Total (cfs)       713991500.0    Conv. (cfs)            328683300.0   44549850.0   340758300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14228.39     731.03   18873.17
  Min Ch El (ft)            567.97    Shear (lb/sq ft)            0.58       1.04       0.49
  Alpha                       1.04    Stream Power (lb/ft s)      1.21       3.19       0.94
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    153861.90   24590.69   182331.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1416.75     120.70    1737.77


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276271.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  178.53  793.61  580.86  779.73 1223.74  762.19 1385.51   756.2
 1643.87  748.67 1795.38  747.89 2112.22  747.89 2414.67  747.32    3227  716.56
 3291.96  713.29 3374.52  712.11 3384.75  712.05 3567.17  718.86 3729.91  717.89
 3859.25  716.87 3998.12  713.32 4337.59  705.21 4751.31  696.87  5059.2  696.11
 5191.69  694.72 5335.86  691.45 5397.89  688.84 5726.45  686.21    6043  685.17
 6170.69  685.78 6370.18  681.56 6521.05  679.45 6585.59  677.34 6630.01  677.34
 6766.34  678.81 6963.52  688.83 7020.61  686.16 7137.95   681.5 7467.36  664.61
 7510.78  663.61 7650.92  655.23 7916.62  630.19 7929.39  628.67 8085.93  623.54
 8211.66  622.56 8442.16  624.97 8600.58  623.73 8766.54   618.2 8935.33  615.75
 9066.08  599.09 9081.69  598.99    9163  594.77 9315.55  588.44 9367.51  588.44
 9405.61  590.36 9520.54  619.84 9618.13  624.77 9969.73  622.9710113.13  614.35
10163.75   606.210356.71  605.2210585.52  619.83 10857.8  618.4411433.63  616.33
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12759.78  616.3312978.05  608.4413539.14  608.44 13970.8  610.5514025.29  612.66
14291.88  611.1414298.21  603.2114394.92  602.0314992.55  589.6715501.32  584.22
15535.08  580.7515653.95  575.9715684.61  572.6315732.87  567.9716118.57  567.97
16176.42  573.3316231.89  584.2216321.85  609.6316341.12  612.3316582.95   642.3
17029.33  647.6417470.87   651.219612.82  649.4519729.71  649.4519962.51  649.76
20317.48  642.3421318.03  643.6721579.11  645.7823278.87  647.8923666.73  648.89
24095.97  652.5724755.77  660.7524982.96  662.11 26113.4  662.1126757.82  654.22
27035.58  654.2227617.82  652.1127858.92  650.8828032.93  651.2628174.94  650.17
28325.69  651.2628623.91  655.5328950.24  658.4130064.05  683.8730737.81  684.95
 31719.6  741.7631864.33  741.9932490.18  695.6532525.38  695.7134141.82  761.42
35200.07  756.4935400.36  756.7335757.28  775.1935799.33   775.5 36110.3  769.95
36446.69  780.3636607.06  781.5637392.49     79038098.34   791.438454.29     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515501.32     .1516231.89     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15501.3216231.89                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.03    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1492128.00   137475.60   1672995.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1492128.00   137475.60   1672995.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3097209.00   420683.60   3212108.00
  Top Width (ft)          33829.37    Top Width (ft)          14217.34     730.57   18881.46
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.08       3.06       1.92
  Max Chl Dpth (ft)         191.99    Hydr. Depth (ft)          104.95     188.18      88.61
  Conv. Total (cfs)       714132700.0    Conv. (cfs)             328650500.0   44639510.0   340842600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14232.11     732.56   18892.38
  Min Ch El (ft)            567.97    Shear (lb/sq ft)            0.58       1.04       0.49
  Alpha                       1.04    Stream Power (lb/ft s)      1.21       3.18       0.94
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    153690.70   24574.92   182139.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1415.12     120.61    1735.60


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276268.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  178.58   793.6     581  779.72 1224.04  762.19 1385.85  756.19
 1644.27  748.66 1795.82  747.88 2112.73  747.88 2415.26   747.3 3227.79  716.57
 3292.77  713.31 3375.34  712.12 3385.58  712.06 3568.04  718.85 3730.82  717.88
 3860.19  716.86  3999.1  713.31 4338.65  705.19 4752.47  696.85 5060.44  696.09
 5192.96   694.7 5337.17  691.42 5399.21  688.81 5727.85  686.18 6044.47  685.15
  6172.2  685.76 6371.74  681.52 6522.65   679.4  6587.2  677.28 6631.64  677.28
    6768  678.76 6965.23  688.78 7022.32  686.11  7139.7  681.47 7469.18  664.62
 7512.61  663.62 7652.79  655.29 7918.56  630.28 7931.33  628.76 8087.91  623.61
 8213.67  622.63 8444.23  625.06 8602.68  623.82 8768.68  618.28 8937.51  615.82
 9068.29  599.19 9083.92  599.08 9165.24  594.84 9317.83  588.48 9369.81  588.48
 9407.91  590.41 9522.87  619.89 9620.48  624.84 9972.17  623.0410115.61  614.42
10166.23  606.2810359.24  605.2910588.11  619.8810860.46  618.4811436.43  616.36
 12762.9  616.3612981.22  608.4813542.45  608.4813974.22   610.614028.72  612.72
14295.38  611.1914301.71  603.2714398.45  602.0914996.22  589.6915505.12  584.24
15539.01  580.7615658.36  575.9915689.15  572.6415737.61  567.9716123.55  567.97
16181.57  573.33 16237.2  584.2416327.16  609.6316346.43  612.3316588.23  642.26
17034.56   647.617476.05  651.1619617.77   649.419734.65   649.419967.43  649.71
20322.36   642.3 21322.8  643.6421583.86  645.7623283.43  647.8823671.25  648.89
24100.45  652.5724760.17  660.7624987.34  662.1226117.66  662.1226762.01  654.24
27039.74  654.2427621.92  652.1227862.99  650.8928036.98  651.2628178.97  650.16
28329.71  651.25 28627.9  655.5228954.19  658.4130067.88  683.8430741.57  684.93
31723.26  741.6731867.97   741.932493.75  695.6332528.95  695.6934145.22  761.33
35203.35  756.4135403.62  756.6735760.51  775.1235802.55  775.4336113.48   769.9
36449.84  780.3136610.19  781.5237395.54     79038101.31  791.4138457.22     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515505.12     .15 16237.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15505.12 16237.2                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.03    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1492206.00   137751.40   1673312.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1492206.00   137751.40   1673312.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3096352.00   421428.80   3212219.00
  Top Width (ft)          33854.41    Top Width (ft)          14220.91     732.08   18901.42
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.08       3.06       1.92
  Max Chl Dpth (ft)         191.99    Hydr. Depth (ft)          104.93     188.16      88.53
  Conv. Total (cfs)       714273500.0    Conv. (cfs)             328624400.0   44727400.0   340921700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14235.67     734.07   18912.32
  Min Ch El (ft)            567.97    Shear (lb/sq ft)            0.58       1.04       0.49
  Alpha                       1.04    Stream Power (lb/ft s)      1.21       3.18       0.94
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    153519.40   24559.13   181947.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1413.48     120.53    1733.44


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276265.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
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       0     800  178.62   793.6  581.14  779.71 1224.34  762.19 1386.19  756.18
 1644.68  748.66 1796.26  747.87 2113.25  747.87 2415.85  747.29 3228.58  716.59
 3293.57  713.32 3376.17  712.13 3386.41  712.07 3568.92  718.85 3731.73  717.87
 3861.14  716.84 4000.08  713.29 4339.71  705.17 4753.63  696.84 5061.68  696.07
 5194.23  694.68 5338.47   691.4 5400.53  688.77 5729.26  686.14 6045.95  685.13
 6173.71  685.74 6373.29  681.48 6524.24  679.35 6588.81  677.22 6633.26  677.22
 6769.65  678.71 6966.93  688.73 7024.04  686.07 7141.44  681.45 7471.01  664.63
 7514.45  663.64 7654.66  655.35  7920.5  630.37 7933.27  628.85 8089.89  623.69
 8215.68   622.7 8446.29  625.16 8604.79  623.92 8770.83  618.36  8939.7   615.9
 9070.51  599.28 9086.14  599.17 9167.48  594.91  9320.1  588.52  9372.1  588.52
 9410.21  590.46  9525.2  619.93 9622.84  624.91 9974.61   623.110118.08  614.49
10168.72  606.3610361.78  605.36 10590.7  619.9210863.11  618.5211439.23  616.39
12766.02  616.39 12984.4  608.5213545.77  608.5213977.64  610.6514032.15  612.78
14298.87  611.24 14305.2  603.3414401.97  602.1514999.88  589.7215508.91  584.26
15542.94  580.7815662.77  576.0115693.69  572.6515742.34  567.9716128.53  567.97
16186.72  573.3216242.52  584.2616332.47  609.6216351.74  612.3216593.51  642.23
17039.79  647.5717481.23  651.1219622.73  649.3519739.59  649.3519972.35  649.66
20327.24  642.2721327.58  643.61 21588.6  645.7423287.99  647.8723675.77  648.88
24104.92  652.5724764.58  660.7724991.72  662.1326121.91  662.13 26766.2  654.26
 27043.9  654.2627626.01  652.1327867.06  650.8928041.03  651.2528183.01  650.15
28333.73  651.2428631.89  655.5228958.14   658.430071.71  683.8130745.33   684.9
31726.92  741.5831871.61  741.8232497.32  695.6132532.52  695.6734148.61  761.25
35206.64  756.3435406.88  756.6135763.73  775.0535805.77  775.3736116.67  769.85
36452.99  780.2736613.32  781.4837398.59     79038104.28  791.4238460.16     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1515508.91     .1516242.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15508.9116242.52                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.03    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1492263.00   138030.30   1673616.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1492263.00   138030.30   1673616.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3095449.00   422185.40   3212366.00
  Top Width (ft)          33877.13    Top Width (ft)          14224.48     733.61   18919.05
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.07       3.06       1.92
  Max Chl Dpth (ft)         191.99    Hydr. Depth (ft)          104.91     188.15      88.46
  Conv. Total (cfs)       714409300.0    Conv. (cfs)            328591000.0   44816220.0   341002100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14239.21     735.60   18929.93
  Min Ch El (ft)            567.97    Shear (lb/sq ft)            0.58       1.04       0.49
  Alpha                       1.04    Stream Power (lb/ft s)      1.20       3.18       0.94
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    153348.10   24543.30   181755.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1411.85     120.44    1731.27


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276262.*

INPUT
Description:
Station Elevation Data    num=     120
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800  178.66  793.59  581.29  779.69 1224.64  762.18 1386.53  756.18
 1645.08  748.65  1796.7  747.86 2113.77  747.86 2416.44  747.28 3229.37  716.61
 3294.38  713.34 3376.99  712.14 3387.24  712.08 3569.79  718.84 3732.64  717.86
 3862.08  716.83 4001.06  713.27 4340.77  705.15 4754.79  696.82 5062.92  696.05
 5195.51  694.66 5339.78  691.37 5401.85  688.73 5730.66  686.11 6047.43   685.1
 6175.22  685.72 6374.85  681.44 6525.84   679.3 6590.42  677.16 6634.88  677.16
 6771.31  678.65 6968.63  688.67 7025.76  686.02 7143.19  681.42 7472.84  664.63
 7516.29  663.66 7656.53   655.4 7922.43  630.46 7935.21  628.94 8091.87  623.76
 8217.69  622.77 8448.36  625.25 8606.89  624.02 8772.97  618.44 8941.88  615.97
 9072.73  599.37 9088.36  599.26 9169.72  594.98 9322.38  588.56 9374.39  588.56
 9412.51  590.51 9527.53  619.98 9625.19  624.98 9977.05  623.1610120.56  614.56
10171.21  606.4310364.31  605.4410593.29  619.9710865.77  618.5611442.02  616.42
12769.15  616.4212987.58  608.5613549.08  608.5613981.06   610.714035.58  612.84
14302.37   611.3 14308.7   603.414405.49  602.2115003.55  589.74 15512.7  584.28
15546.87  580.7915667.19  576.0315698.23  572.6615747.08  567.9616133.51  567.96
16191.88  573.3216247.84  584.2816337.77  609.6216357.04  612.3216598.79  642.19
17045.02  647.5317486.42  651.0719627.68   649.319744.53   649.319977.26  649.61
20332.12  642.2321332.35  643.5821593.35  645.7223292.55  647.8623680.29  648.88
24109.39  652.5624768.98  660.78 24996.1  662.1426126.17  662.1426770.39  654.28
27048.06  654.2827630.11  652.1427871.13   650.928045.08  651.2528187.05  650.14
28337.75  651.2228635.88  655.51 28962.1  658.3930075.55  683.7830749.09  684.88
31730.57   741.531875.25  741.73 32500.9  695.5932536.09  695.6534152.01  761.16
35209.92  756.2735410.14  756.5435766.96  774.9835808.99   775.336119.86   769.8
36456.14  780.2236616.46  781.4437401.63     79038107.25  791.4238463.09     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .15 15512.7     .1516247.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       15512.716247.84                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.03    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1492339.00   138314.00   1673953.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1492339.00   138314.00   1673953.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3094538.00   422956.80   3212505.00
  Top Width (ft)          33902.04    Top Width (ft)          14228.11     735.14   18938.79
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.07       3.06       1.92
  Max Chl Dpth (ft)         192.00    Hydr. Depth (ft)          104.89     188.15      88.39
  Conv. Total (cfs)       714558700.0    Conv. (cfs)            328563000.0   44907500.0   341088200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14242.83     737.13   18949.65
  Min Ch El (ft)            567.96    Shear (lb/sq ft)            0.58       1.04       0.49
  Alpha                       1.04    Stream Power (lb/ft s)      1.20       3.18       0.94
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    153176.80   24527.44   181563.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1410.22     120.36    1729.09
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Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276259.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  178.71  793.59  581.43  779.68 1224.94  762.18 1386.87  756.17
 1645.48  748.64 1797.14  747.85 2114.28  747.85 2417.03  747.27 3230.16  716.63
 3295.18  713.35 3377.82  712.15 3388.07  712.09 3570.66  718.83 3733.56  717.85
 3863.03  716.81 4002.04  713.26 4341.83  705.13 4755.96  696.81 5064.15  696.03
 5196.78  694.64 5341.08  691.34 5403.17   688.7 5732.06  686.08 6048.91  685.08
 6176.73   685.7 6376.41   681.4 6527.43  679.25 6592.04   677.1  6636.5   677.1
 6772.96   678.6 6970.34  688.62 7027.48  685.97 7144.94  681.39 7474.67  664.64
 7518.13  663.68 7658.41  655.46 7924.37  630.55 7937.15  629.03 8093.85  623.83
  8219.7  622.85 8450.42  625.35    8609  624.11 8775.12  618.52 8944.07  616.05
 9074.95  599.46 9090.58  599.35 9171.96  595.05 9324.66   588.6 9376.68   588.6
 9414.81  590.56 9529.86  620.03 9627.54  625.05 9979.49  623.2210123.03  614.62
 10173.7  606.5110366.85  605.5110595.88  620.0210868.43   618.611444.82  616.45
12772.27  616.4512990.75   608.613552.39   608.613984.48  610.7514039.01   612.9
14305.87  611.35 14312.2  603.4614409.01  602.2715007.22  589.77 15516.5   584.3
 15550.8   580.8 15671.6  576.0415702.77  572.6715751.81  567.9616138.49  567.96
16197.03  573.3216253.16   584.316343.08  609.6216362.35  612.3216604.06  642.16
17050.25   647.5 17491.6  651.0319632.64  649.2519749.47  649.2519982.18  649.57
   20337   642.221337.12  643.5521598.09   645.723297.11  647.8523684.81  648.87
24113.87  652.5624773.38   660.825000.48  662.1526130.43  662.1526774.58   654.3
27052.21   654.327634.21  652.15 27875.2   650.928049.13  651.2528191.09  650.12
28341.77  651.2128639.86   655.528966.05  658.3830079.38  683.7530752.86  684.86
31734.23  741.4131878.89  741.6532504.47  695.5732539.66  695.6334155.41  761.07
 35213.2   756.235413.41  756.4835770.18  774.9135812.21  775.2336123.04  769.75
36459.29  780.1736619.59   781.437404.68     79038110.23  791.4338466.02     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 15516.5     .1516253.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       15516.516253.16                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.02    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1492396.00   138592.30   1674256.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1492396.00   138592.30   1674256.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3093658.00   423716.50   3212625.00
  Top Width (ft)          33926.85    Top Width (ft)          14231.68     736.66   18958.51
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.07       3.06       1.92
  Max Chl Dpth (ft)         192.00    Hydr. Depth (ft)          104.86     188.14      88.31
  Conv. Total (cfs)       714689200.0    Conv. (cfs)            328529600.0   44996380.0   341163200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14246.38     738.65   18969.36
  Min Ch El (ft)            759.96    Shear (lb/sq ft)            0.58       1.04       0.49
  Alpha                       1.04    Stream Power (lb/ft s)      1.20       3.18       0.94
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    153005.50   24511.55   181371.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1408.59     120.28    1726.92


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276256.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  178.75  793.58  581.57  779.67 1225.24  762.18 1387.21  756.16
 1645.88  748.64 1797.58  747.84  2114.8  747.84 2417.62  747.25 3230.95  716.64
 3295.99  713.37 3378.65  712.16 3388.89   712.1 3571.53  718.83 3734.47  717.84
 3863.97   716.8 4003.02  713.24 4342.89  705.11 4757.12  696.79 5065.39  696.02
 5198.05  694.62 5342.39  691.32 5404.49  688.66 5733.46  686.04 6050.39  685.06
 6178.24  685.68 6377.97  681.36 6529.03   679.2 6593.65  677.04 6638.12  677.04
 6774.62  678.55 6972.04  688.57  7029.2  685.93 7146.68  681.36 7476.49  664.65
 7519.97  663.69 7660.28  655.52 7926.31  630.64 7939.09  629.11 8095.83   623.9
 8221.71  622.92 8452.49  625.44  8611.1  624.21 8777.26   618.6 8946.26  616.12
 9077.17  599.55  9092.8  599.44 9174.21  595.12 9326.94  588.64 9378.97  588.64
 9417.11  590.61 9532.19  620.07  9629.9  625.12 9981.93  623.2810125.51  614.69
10176.18  606.5910369.38  605.5810598.47  620.0610871.08  618.6411447.62  616.48
12775.39  616.4812993.3  608.6413555.71  608.64 13987.9   610.814042.45  612.96
14309.37   611.4 14315.7  603.5314412.54  602.3315010.89   589.815520.29  584.32
15554.73  580.8115676.01  576.06 15707.3  572.6815756.54  567.9616143.46  567.96
16202.18  573.3116258.47  584.3216348.39  609.6216367.65  612.3116609.34  642.12
17055.49  647.4617496.79  650.9919637.59   649.219754.42   649.2 19987.1  649.52
20341.88  642.1621341.89  643.5221602.83  645.6823301.67  647.8423689.33  648.87
24118.34  652.5624777.79  660.8125004.86  662.1626134.69  662.1626778.77  654.32
27056.38  654.32 27638.3  652.1627879.27  650.9128053.19  651.2528195.12  650.11
28345.79  651.1928643.85   655.528970.01  658.3830083.22  683.7330756.62  684.83
31737.89  741.3231882.54  741.5632508.05  695.5532543.23  695.61 34158.8  760.98
35216.49  756.1335416.67  756.42 35773.4  774.8435815.43  775.1636126.23  769.71
36462.44  780.1336622.73  781.3637407.73     790 38113.2  791.4438468.96     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515520.29     .1516258.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      1552O.2916258.47                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.02    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1492472.00   138870.20   1674574.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1492472.00   138870.20   1674574.00
```

```
  Q Total (cfs)           6730000.00    Flow (cfs)              3092796.00   424467.20   3212737.00
  Top Width (ft)          33951.83    Top Width (ft)          14235.25     738.18   18978.40
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.07       3.06       1.92
  Max Chl Dpth (ft)         192.00    Hydr. Depth (ft)          104.84     188.13      88.24
  Conv. Total (cfs)       714830100.0    Conv. (cfs)             328502800.0   45084980.0   341242400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14249.92     740.17   18989.23
  Min Ch El (ft)            567.96    Shear (lb/sq ft)            0.58       1.04       0.49
  Alpha                       1.04    Stream Power (lb/ft s)      1.20       3.17       0.94
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    152834.20   24495.63   181178.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1406.95     120.19    1724.74


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276253.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  178.79  793.58  581.71  779.66 1225.54  762.18 1387.55  756.15
 1646.29  748.63 1798.02  747.83 2115.32  747.83 2418.21  747.24 3231.74  716.66
 3296.79  713.38 3379.47  712.17 3389.72  712.11 3572.41  718.82 3735.38  717.83
 3864.92  716.78 4003.99  713.22 4343.96  705.09 4758.28  696.78 5066.63     696
 5199.32  694.61  5343.7  691.29 5405.81  688.62 5734.86  686.01 6051.87  685.04
 6179.75  685.66 6379.53  681.32 6530.62  679.15 6595.26  676.98 6639.75  676.98
 6776.28  678.49 6973.75  688.52 7030.91  685.88 7148.43  681.34 7478.32  664.65
  7521.8  663.71 7662.15  655.57 7928.24  630.72 7941.03   629.2 8097.81  623.97
 8223.72  622.99 8454.56  625.54  8613.2  624.31 8779.41  618.67 8948.44   616.2
 9079.39  599.64 9095.03  599.53 9176.45  595.19 9329.22  588.68 9381.27  588.68
 9419.41  590.66 9534.52  620.12 9632.25  625.19 9984.37  623.3410127.98  614.76
10178.67  606.6610371.92  605.6510601.06  620.1110873.74  618.6811450.42  616.51
12778.51  616.51 12997.1  608.6813559.02  608.6813991.32  610.8514045.88  613.02
14312.86  611.45 14319.2  603.5914416.06  602.3915014.56  589.8215524.08  584.34
15558.66  580.8215680.43  576.0815711.84  572.6915761.28  567.9616148.44  567.96
16207.33  573.3116263.79  584.34 16353.7  609.6216372.96  612.3116614.62  642.08
17060.72  647.4317501.97  650.9519642.55  649.1519759.36  649.1519992.01  649.47
20346.76  642.1221346.66  643.4921607.58  645.6623306.24  647.8323693.85  648.86
24122.81  652.5524782.19  660.8225009.24  662.1726138.95  662.1726782.96  654.34
27060.53  654.34 27642.4  652.1727883.34  650.9128057.24  651.2528199.16   650.1
28349.81  651.1828647.84  655.4928973.96  658.3730087.05   683.730760.38  684.81
31741.54  741.2431886.18  741.4832511.62  695.53 32546.8  695.59 34162.2  760.89
35219.77  756.0635419.93  756.3535776.63  774.7735818.65  775.0936129.42  769.66
36465.59  780.0836625.86  781.3237410.78     79038116.18  791.4438471.89     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515524.08     .1516263.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15524.0816263.79                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.02    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1492543.00   139149.30   1674898.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1492543.00   139149.30   1674898.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3091920.00   425220.30   3212861.00
  Top Width (ft)          33977.10    Top Width (ft)          14238.81     739.71   18998.58
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.07       3.06       1.92
  Max Chl Dpth (ft)         192.00    Hydr. Depth (ft)          104.82     188.11      88.16
  Conv. Total (cfs)       714971100.0    Conv. (cfs)             328474400.0   45173880.0   341322800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14253.47     741.70   19009.39
  Min Ch El (ft)            567.96    Shear (lb/sq ft)            0.58       1.04       0.49
  Alpha                       1.04    Stream Power (lb/ft s)      1.20       3.17       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    152662.90   24479.67   180986.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1405.32     120.11    1722.56


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276250.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  178.84  793.57  581.85  779.64 1225.84  762.17 1387.89  756.15
 1646.69  748.63 1798.46  747.82 2115.83  747.82  2418.8  747.23 3232.52  716.68
  3297.6   713.4  3380.3  712.18 3390.55  712.12 3573.28  718.82 3736.29  717.82
 3865.86  716.77 4004.97  713.21 4345.02  705.07 4759.44  696.76 5067.87  695.98
 5200.59  694.59    5345  691.26 5407.13  688.59 5736.26  685.98 6053.35  685.01
 6181.26  685.64 6381.09  681.28 6532.22   679.1 6596.87  676.92 6641.37  676.92
 6777.93  678.44 6975.45  688.46 7032.63  685.84 7150.18  681.31 7480.15  664.66
 7523.64  663.73 7664.02  655.63 7930.18  630.81 7942.97  629.29 8099.78  624.04
 8225.73  623.07 8456.62  625.63 8615.31   624.4 8781.55  618.75 8950.63  616.27
  9081.6  599.73 9097.25  599.62 9178.69  595.26  9331.5  588.72 9383.56  588.72
 9421.71  590.71 9536.85  620.17  9634.6  625.26 9986.81  623.4110130.46  614.83
10181.16  606.7410374.45  605.7210603.65  620.16 10876.4  618.7211453.21  616.54
12781.63  616.5413000.28  608.7213562.33  608.7213994.73   610.914049.31  613.08
14316.36  611.51 14322.7  603.6514419.58  602.4515018.23  589.8515527.87  584.36
15562.59  580.8315684.84   576.115716.38   572.715766.01  567.9616153.42  567.96
16212.48   573.316269.11  584.36   16359  609.6216378.26  612.31 16619.9  642.05
17065.95  647.3917507.15  650.91 19647.5   649.1 19764.3   649.119996.93  649.42
20351.64  642.0921351.44  643.4621612.32  645.64 23310.8  647.8223698.38  648.85
24127.29  652.5524786.59  660.8325013.62  662.18 26143.2  662.1826787.14  654.36
27064.69  654.36 27646.5  652.1827887.41  650.9128061.29  651.25 28203.2  650.08
28353.83  651.1628651.83  655.4828977.91  658.3630090.89  683.6730764.14  684.78
 31745.2  741.1531889.82  741.39 32515.2  695.5132550.37  695.57 34165.6  760.81
35223.05  755.9835423.19  756.2935779.85   774.735821.87  775.02 36132.6  769.61
36468.74  780.0436628.99  781.2837413.83     79038119.15  791.4538474.83     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
```

```
       0     .1515527.87     .1516269.11     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15527.8716269.11                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.02    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1492596.00   139429.10   1675227.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1492596.00   139429.10   1675227.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3090986.00   425977.90   3213037.00
  Top Width (ft)          34000.79    Top Width (ft)          14242.44     741.24   19017.11
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.07       3.06       1.92
  Max Chl Dpth (ft)         192.00    Hydr. Depth (ft)          104.80     188.10      88.09
  Conv. Total (cfs)       715108700.0    Conv. (cfs)            328438400.0   45263080.0   341407200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14257.09     743.23   19027.90
  Min Ch El (ft)            567.96    Shear (lb/sq ft)            0.58       1.04       0.49
  Alpha                       1.04    Stream Power (lb/ft s)      1.20       3.17       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    152491.60   24463.68   180794.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1403.68     120.02    1720.38


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276248.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  178.88  793.57     582  779.63 1226.14  762.17 1388.23  756.14
 1647.09  748.62  1798.9  747.81 2116.35  747.81 2419.39  747.22 3233.31  716.69
 3298.41  713.42 3381.12  712.19 3391.38  712.13 3574.15  718.81 3737.21  717.81
 3866.81  716.75 4005.95  713.19 4346.08  705.05 4760.61  696.75 5069.11  695.96
 5201.86  694.57 5346.31  691.23 5408.45  688.55 5737.66  685.94 6054.83  684.99
 6182.77  685.62 6382.65  681.24 6533.81  679.05 6598.48  676.86 6642.99  676.86
 6779.59  678.39 6977.15  688.41 7034.35  685.79 7151.92  681.28 7481.97  664.67
 7525.48  663.74  7665.9  655.69 7932.12   630.9 7944.91  629.38 8101.76  624.11
 8227.74  623.14 8458.69  625.73 8617.41   624.5  8783.7  618.83 8952.82  616.35
 9083.82  599.82 9099.47  599.71 9180.93  595.33 9333.78  588.76 9385.85  588.76
 9424.02  590.76 9539.18  620.21 9636.96  625.33 9989.25  623.4710132.93   614.9
10183.64  606.8210376.98   605.810606.25   620.210879.05  618.7611456.01  616.57
12784.76  616.5713003.45  608.7613565.64  608.7613998.15  610.9514052.74  613.14
14319.86  611.56 14326.2  603.71 14423.1  602.51 15021.9  589.8715531.67  584.38
15566.52  580.8515689.25  576.1215720.92   572.715770.75  567.96 16158.4  567.96
16217.63   573.316274.42  584.3816364.31  609.6116383.57  612.3116625.18  642.01
17071.18  647.3617512.34  650.8719652.46  649.0519769.24  649.0520001.85  649.37
20356.52  642.0521356.21  643.4321617.06  645.6223315.36  647.8123702.89  648.85
24131.76  652.55   24791  660.84   25018  662.1926147.46  662.1926791.33  654.38
27068.85  654.3827650.59  652.1927891.48  650.9228065.34  651.2528207.23  650.07
28357.85  651.1528655.82  655.4728981.87  658.3530094.72  683.64 30767.9  684.76
31748.86  741.0631893.46  741.3132518.77  695.4932553.94  695.55   34169  760.72
35226.34  755.9135426.45  756.2335783.07  774.6335825.09  774.9536135.79  769.56
36471.89  779.9936632.12  781.2437416.88     79038122.12  791.4638477.77     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515531.67     .1516274.42     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15531.6716274.42                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.02    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1492672.00   139704.20   1675551.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1492672.00   139704.20   1675551.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3090128.00   426718.20   3213154.00
  Top Width (ft)          34026.14    Top Width (ft)          14246.02     742.75   19037.37
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.07       3.05       1.92
  Max Chl Dpth (ft)         192.00    Hydr. Depth (ft)          104.78     188.09      88.01
  Conv. Total (cfs)       715248900.0    Conv. (cfs)            328411700.0   45350620.0   341486600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14260.64     744.74   19048.15
  Min Ch El (ft)            567.96    Shear (lb/sq ft)            0.58       1.04       0.49
  Alpha                       1.04    Stream Power (lb/ft s)      1.20       3.17       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    152320.20   24447.66   180602.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1402.05     119.94    1718.20


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276245.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  178.93  793.56  582.14  779.62 1226.44  762.17 1388.56  756.13
 1647.49  748.61 1799.34   747.8 2116.87   747.8 2419.99   747.2  3234.1  716.71
 3299.21  713.43 3381.95  712.2 3392.21  712.14 3575.03  718.81 3738.12   717.8
 3867.75  716.74 4006.93  713.17 4347.14  705.03 4761.77  696.73 5070.34  695.94
 5203.13  694.55 5347.61  691.21 5409.77  688.51 5739.06  685.91  6056.3  684.97
 6184.28   685.6 6384.21   681.2 6535.41     679 6600.09   676.8 6644.61   676.8
 6781.24  678.34 6978.86  688.36 7036.07  685.75 7153.67  681.26  7483.8  664.68
 7527.32  663.76 7667.77  655.74 7934.06  630.99 7946.85  629.47 8103.74  624.19
 8229.75  623.21 8460.75  625.82 8619.52   624.6 8785.84  618.91    8955  616.42
 9086.04  599.91 9101.69   599.8 9183.17   595.4 9336.06   588.8 9388.14   588.8
 9426.32  590.81  9541.5  620.26 9639.31   625.4 9991.69  623.5310135.41  614.96
10186.13   606.910379.52  605.8710608.83  620.2510881.71   618.811458.81   616.6
12787.88   616.613006.63   608.813568.96   608.814001.57     61114056.17   613.2
14323.35  611.6114329.69  603.7814426.62  602.5715025.56   589.915535.46   584.4
15570.45  580.8615693.67  576.1315725.46  572.7115775.48  567.9616163.38  567.96
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16222.79  573.2916279.74   584.416369.62  609.6116388.87   612.316630.46  641.97
17076.41  647.3217517.52  650.8219657.41     64919774.18     64920006.77  649.32
20361.39  642.0121360.98   643.421621.81   645.623319.92   647.823707.41  648.84
24136.24  652.54 24795.4  660.8525022.38   662.226151.72   662.226795.52   654.4
27073.01   654.427654.69   652.227895.56  650.92 28069.4  651.2428211.27  650.06
28361.87  651.1428659.81  655.4728985.82  658.3530098.55  683.6130771.67  684.74
31752.52  740.98 31897.1  741.2232522.34  695.4732557.51  695.5334172.39  760.63
35229.62  755.8435429.71  756.17 35786.3  774.5635828.31  774.8936138.98  769.52
36475.04  779.9536635.26   781.237419.93     79038125.09  791.46 38480.7     800

Manning's n Values         num=        3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515535.46     .1516279.74     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15535.4616279.74                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.02    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1492738.00   139984.70   1675892.00
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)            1492738.00   139984.70   1675892.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3089219.00   427475.00   3213306.00
  Top Width (ft)          34051.64    Top Width (ft)          14249.58     744.28   19057.78
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.07       3.05       1.92
  Max Chl Dpth (ft)         192.00    Hydr. Depth (ft)          104.76     188.08      87.94
  Conv. Total (cfs)       715393700.0    Conv. (cfs)            328381500.0   45440250.0   341571900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14264.18     746.27   19068.54
  Min Ch El (ft)            567.96    Shear (lb/sq ft)            0.58       1.04       0.49
  Alpha                       1.04    Stream Power (lb/ft s)      1.20       3.16       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    152148.90   24431.61   180409.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1400.41     119.85    1716.01


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276242.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  178.97  793.56  582.28  779.61 1226.74  762.16  1388.9  756.12
 1647.89  748.61 1799.78  747.79 2117.39  747.79 2420.58  747.19 3234.89  716.73
 3300.02  713.45 3382.77  712.21 3393.03  712.15  3575.9   718.8 3739.03  717.79
 3868.69  716.72 4007.91  713.15  4348.2  705.02 4762.93  696.72 5071.58  695.92
  5204.4  694.53 5348.92  691.18  5411.1  688.48 5740.47  685.88 6057.78  684.94
 6185.79  685.58 6385.76  681.16 6537.01  678.95  6601.7  676.74 6646.24  676.74
  6782.9  678.28 6980.56   688.3 7037.78   685.7 7155.42  681.23 7485.63  664.68
 7529.15  663.78 7669.64   655.8 7935.99  631.08 7948.79  629.56 8105.72  624.26
 8231.75  623.28 8462.82  625.92 8621.62  624.69 8787.99  618.99 8957.19   616.5
 9088.26     600 9103.92  599.89 9185.42  595.47 9338.34  588.84 9390.43  588.84
 9428.62  590.86 9543.83  620.31 9641.66  625.47 9994.12  623.5910137.88  615.03
10188.62  606.9710382.05  605.9410611.42   620.310884.37  618.8411461.61  616.63
   12791  616.63 13009.8  608.8413572.27  608.8414004.99  611.05 14059.6  613.26
14326.85  611.6714333.19  603.8414430.15  602.6315029.23  589.9215539.25  584.42
15574.38  580.8715698.08  576.1515729.99  572.7215780.21  567.9616168.36  567.96
16227.94  573.2916285.06  584.4216374.93  609.6116394.18   612.316635.74  641.94
17081.64  647.2917522.71  650.7819662.37  648.9519779.12  648.9520011.68  649.27
20366.27  641.9821365.75  643.3721626.55  645.5823324.48  647.7923711.93  648.84
24140.71  652.54 24799.8  660.8725026.75  662.2126155.98  662.2126799.71  654.42
27077.17  654.4227658.79  652.2127899.63  650.9328073.45  651.2428215.31  650.05
28365.89  651.1228663.79  655.4628989.78  658.3430102.39  683.5830775.43  684.71
31756.17  740.8931900.74  741.1332525.92  695.4532561.08  695.5134175.79  760.54
35232.91  755.7735432.98   756.135789.52  774.4935831.53  774.8236142.16  769.47
36478.19   779.936638.39  781.1637422.98     79038128.07  791.4738483.64     800

Manning's n Values         num=        3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515539.25     .1516285.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15539.2516285.06                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.02    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1492803.00   140263.70   1676218.00
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)            1492803.00   140263.70   1676218.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3088326.00   428230.60   3213443.00
  Top Width (ft)          34077.65    Top Width (ft)          14253.32     745.81   19078.53
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.07       3.05       1.92
  Max Chl Dpth (ft)         192.00    Hydr. Depth (ft)          104.73     188.07      87.86
  Conv. Total (cfs)       715527600.0    Conv. (cfs)            328348100.0   45529090.0   341650400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14267.90     747.80   19089.27
  Min Ch El (ft)            567.96    Shear (lb/sq ft)            0.58       1.04       0.48
  Alpha                       1.04    Stream Power (lb/ft s)      1.20       3.16       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    151977.50   24415.52   180217.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1398.78     119.77    1713.82


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276239.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  179.01  793.56  582.42  779.59 1227.04  762.16 1389.24  756.11
  1648.3   748.6 1800.22  747.78  2117.9  747.78 2421.17  747.18 3235.68  716.74
 3300.82  713.46  3383.6  712.22 3393.86  712.16 3576.77   718.8 3739.95  717.78
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 3869.64  716.71 4008.89  713.14 4349.26     705  4764.1   696.7 5072.82   695.9
 5205.67  694.51 5350.22  691.15 5412.42  688.44 5741.87  685.84 6059.26  684.92
  6187.3  685.56 6387.32  681.12  6538.6   678.9 6603.32  676.68 6647.86  676.68
 6784.55  678.23 6982.26  688.25  7039.5  685.65 7157.16   681.2 7487.46  664.69
 7530.99   663.8 7671.51  655.86 7937.93  631.17 7950.73  629.65  8107.7  624.33
 8233.76  623.36 8464.88  626.01 8623.73  624.79 8790.13  619.07 8959.38  616.57
 9090.48  600.09 9106.14  599.98 9187.66  595.54 9340.62  588.88 9392.73  588.88
 9430.92   590.9 9546.16  620.35 9644.02  625.54 9996.56  623.6510140.35   615.1
 10191.1  607.0510384.59  606.0110614.02  620.3410887.02  618.88 11464.4  616.66
12794.12  616.6613012.98  608.8813575.58  608.8814008.41   611.114063.04  613.32
14330.35  611.7214336.69   603.914433.67  602.69 15032.9  589.9515543.05  584.44
15578.31  580.8815702.49  576.1715734.53  572.7315784.95  567.9616173.34  567.96
16233.09  573.2916290.37  584.4416380.23  609.6116399.48   612.316641.02   641.9
17086.88  647.2517527.89  650.7419667.32   648.919784.07   648.9 20016.6  649.23
20371.15  641.9421370.52  643.3421631.29  645.5623329.04  647.7823716.46  648.83
24145.19  652.5424804.21  660.8825031.13  662.2226160.23  662.22 26803.9  654.44
27081.33  654.4427662.88  652.22 27903.7  650.93 28077.5  651.2428219.34  650.03
28369.91  651.1128667.79  655.4528993.73  658.3330106.22  683.5530779.19  684.69
31759.83  740.8131904.38  741.0532529.49  695.4332564.65  695.4934179.19  760.45
35236.19   755.735436.24  756.0435792.75  774.4235834.75  774.7536145.35  769.42
36481.34  779.8536641.52  781.1237426.02     79038131.04  791.4838486.57     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515543.05     .1516290.37     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15543.0516290.37                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.02    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1492875.00   140539.20   1676549.00
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)            1492875.00   140539.20   1676549.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3087459.00   428971.90   3213569.00
  Top Width (ft)          34103.48    Top Width (ft)          14256.89     747.32   19099.27
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.07       3.05       1.92
  Max Chl Dpth (ft)         191.99    Hydr. Depth (ft)          104.71     188.06      87.78
  Conv. Total (cfs)       715667500.0    Conv. (cfs)            328320100.0   45616830.0   341730600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14271.46     749.31   19110.00
  Min Ch El (ft)            567.96    Shear (lb/sq ft)            0.58       1.04       0.48
  Alpha                       1.04    Stream Power (lb/ft s)      1.19       3.16       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    151806.20   24399.41   180024.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1397.14     119.68    1711.63


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276236.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  179.06  793.55  582.57  779.58 1227.34  762.16 1389.58  756.11
  1648.7  748.59 1800.66  747.77 2118.42  747.77 2421.76  747.16 3236.47  716.76
 3301.63  713.48 3384.43  712.23 3394.69  712.17 3577.64  718.79 3740.86  717.77
 3870.58  716.69 4009.86  713.12 4350.32  704.98 4765.26  696.69 5074.06  695.89
 5206.94  694.49 5351.53  691.12 5413.74  688.41 5743.27  685.81 6060.74   684.9
 6188.81  685.54 6388.88  681.08  6540.2  678.85 6604.93  676.62 6649.48  676.62
 6786.21  678.18 6983.97   688.2 7041.22  685.61 7158.91  681.17 7489.28   664.7
 7532.83  663.81 7673.38  655.91 7939.87  631.25 7952.67  629.73 8109.68   624.4
 8235.77  623.43 8466.95  626.11 8625.83  624.89 8792.28  619.14 8961.56  616.65
  9092.7  600.18 9108.36  600.07  9189.9  595.61  9342.9  588.92 9395.02  588.92
 9433.22  590.95 9548.49   620.4 9646.37  625.61    9999  623.7110142.83  615.17
10193.59  607.1310387.12  606.0810616.61  620.3910889.68  618.92 11467.2  616.69
12797.25  616.6913016.16  608.92 13578.9  608.9214011.83  611.1514066.47  613.38
14333.84  611.7714340.19  603.9614437.19  602.7615036.57  589.9815546.84  584.46
15582.24  580.8915706.91  576.1915739.07  572.7415789.68  567.9516178.32  567.95
16238.24  573.2816295.69  584.4616385.54  609.6116404.79  612.29 16646.3  641.86
17092.11  647.2217533.08   650.719672.28  648.8519789.01  648.8520021.52  649.18
20376.03  641.9121375.29  643.3121636.04  645.5423333.61  647.7723720.97  648.83
24149.66  652.5324808.61  660.8925035.51  662.2326164.49  662.2326808.09  654.46
27085.49  654.4627666.98  652.2327907.77  650.9328081.55  651.2428223.38  650.02
28373.94  651.0928671.77  655.4528997.68  658.3230110.06  683.5230782.95  684.66
31763.49  740.7231908.03  740.9632533.07  695.4132568.22  695.4734182.59  760.37
35239.48  755.63 35439.5  755.9835795.97  774.3535837.96  774.6836148.54  769.37
36484.49  779.8136644.66  781.0837429.07     79038134.01  791.48 38489.5     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515546.84     .1516295.69     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15546.8416295.69                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.02    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1492935.00   140823.20   1676877.00
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)            1492935.00   140823.20   1676877.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3086547.00   429745.00   3213708.00
  Top Width (ft)          34127.10    Top Width (ft)          14260.35     748.85   19117.90
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.07       3.05       1.92
  Max Chl Dpth (ft)         192.00    Hydr. Depth (ft)          104.69     188.05      87.71
  Conv. Total (cfs)       715811800.0    Conv. (cfs)            328289300.0   45708260.0   341814200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14274.90     750.84   19128.61
  Min Ch El (ft)            567.95    Shear (lb/sq ft)            0.58       1.04       0.48
  Alpha                       1.04    Stream Power (lb/ft s)      1.19       3.16       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    151634.80   24383.26   179832.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1395.50     119.59    1709.44


Warning: Divided flow computed for this cross-section.

CROSS SECTION
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RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276233.*

INPUT
Description:
Station Elevation Data     num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   179.1  793.55  582.71  779.57 1227.64  762.16 1389.92   756.1
  1649.1  748.59  1801.1  747.76 2118.94  747.76 2422.35  747.15 3237.26  716.78
 3302.43  713.49 3385.25  712.24 3395.52  712.18 3578.52  718.79 3741.77  717.76
 3871.53  716.68 4010.84   713.1 4351.39  704.96 4766.42  696.67  5075.3  695.87
 5208.21  694.47 5352.83   691.1 5415.06  688.37 5744.67  685.78 6062.22  684.88
 6190.32  685.52 6390.44  681.04 6541.79   678.8 6606.54  676.56  6651.1  676.56
 6787.87  678.12 6985.67  688.15 7042.94  685.56 7160.66  681.15 7491.11   664.7
 7534.67  663.83 7675.26  655.97  7941.8  631.34 7954.61  629.82 8111.65  624.47
 8237.78   623.5 8469.01   626.2 8627.94  624.98 8794.42  619.22 8963.75  616.72
 9094.91  600.27 9110.58  600.16 9192.14  595.68 9345.18  588.96 9397.31  588.96
 9435.52     591 9550.82  620.45 9648.72  625.6810001.44  623.77 10145.3  615.24
10196.08  607.210389.65  606.16 10619.2  620.4410892.34  618.96   11470  616.72
12800.37  616.7213019.33  608.9613582.21  608.9614015.25   611.2 14069.9  613.44
14337.34  611.8214343.69  604.0314440.71  602.8215040.24     59015550.63  584.48
15586.17  580.9115711.32   576.215743.61  572.7515794.42  567.95 16183.3  567.95
16243.39  573.2816301.01  584.4816390.85   609.616410.09  612.2916651.58  641.83
17097.34  647.1817538.26  650.6619677.23   648.819793.95   648.820026.43  649.13
20380.91  641.8721380.07  643.2821640.78  645.5223338.17  647.7623725.49  648.82
24154.13  652.5324813.01   660.925039.89  662.2426168.75  662.2426812.28  654.48
27089.65  654.4827671.08  652.2427911.84  650.94 28085.6  651.2428227.42  650.01
28377.96  651.0828675.76  655.4429001.63  658.3230113.89  683.4930786.71  684.64
31767.14  740.6331911.67  740.8832536.64  695.3832571.79  695.4434185.98  760.28
35242.76  755.5535442.77  755.91 35799.2  774.2835841.19  774.6136151.72  769.33
36487.64  779.7636647.79  781.0437432.12     79038136.98  791.4938492.44     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515550.63     .1516301.01     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15550.6316301.01                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.02    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1493002.00   141102.00   1677224.00
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)            1493002.00   141102.00   1677224.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3085658.00   430495.10   3213847.00
  Top Width (ft)          34153.52    Top Width (ft)          14263.91     750.38   19139.23
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.07       3.05       1.92
  Max Chl Dpth (ft)         192.00    Hydr. Depth (ft)          104.67     188.04      87.63
  Conv. Total (cfs)       715952900.0    Conv. (cfs)            328259400.0   45797060.0   341896400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14278.44     752.37   19149.93
  Min Ch El (ft)            567.95    Shear (lb/sq ft)            0.58       1.03       0.48
  Alpha                       1.04    Stream Power (lb/ft s)      1.19       3.16       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    151463.50   24367.08   179639.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1393.87     119.51    1707.24


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276230.*

INPUT
Description:
Station Elevation Data     num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  179.14  793.54  582.85  779.56 1227.94  762.15 1390.26  756.09
  1649.5  748.58 1801.53  747.75 2119.45  747.75 2422.94  747.14 3238.05   716.8
 3303.24  713.51 3386.08  712.25 3396.35  712.19 3579.39  718.78 3742.68  717.75
 3872.47  716.66 4011.82  713.09 4352.45  704.94 4767.58  696.66 5076.53  695.85
 5209.48  694.46 5354.14  691.07 5416.38  688.33 5746.07  685.74  6063.7  684.85
 6191.83   685.5    6392     681 6543.39  678.75 6608.15   676.5 6652.73   676.5
 6789.52  678.07 6987.38  688.09 7044.66  685.52  7162.4  681.12 7492.94  664.71
 7536.51  663.85 7677.13  656.03 7943.74  631.43 7956.55  629.91 8113.63  624.54
 8239.79  623.58 8471.08   626.3 8630.04  625.08 8796.57   619.3 8965.93  616.79
 9097.13  600.36  9112.8  600.25 9194.39  595.75 9347.46     589  9399.6     589
 9437.83  591.05 9553.15  620.49 9651.08  625.7510003.88  623.8410147.78   615.3
10198.56  607.2810392.19  606.2310621.79  620.4810894.99     619 11472.8  616.75
12803.49  616.7513022.51     60913585.52     60914018.66  611.2514073.33   613.5
14340.84  611.8814347.19  604.0914444.24  602.8815043.91  590.0315554.42   584.5
 15590.1  580.9215715.73  576.2215748.14  572.7615799.15  567.9516188.28  567.95
16248.54  573.2716306.33   584.516396.16   609.6 16415.4  612.2916656.86  641.79
17102.57  647.1517543.44  650.6219682.18  648.7519798.89  648.7520031.35  649.08
20385.79  641.8321384.84  643.2521645.53   645.523342.73  647.7523730.01  648.82
24158.61  652.5324817.42  660.9125044.27  662.2526173.01  662.2526816.46   654.5
 27093.8   654.527675.17  652.2527915.91  650.9428089.66  651.2428231.45  649.99
28381.98  651.0628679.75  655.4329005.59  658.3130117.73  683.4630790.48  684.62
 31770.8  740.5531915.31  740.7932540.21  695.3632575.37  695.4234189.38  760.19
35246.04  755.4835446.03  755.8535802.42  774.2135844.41  774.5436154.91  769.28
36490.79  779.7236650.92     78137435.17     79038139.96   791.538495.38     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515554.42     .1516306.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15554.4216306.33                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.02    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1493062.00   141381.60   1677560.00
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)            1493062.00   141381.60   1677560.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3084750.00   431251.60   3213998.00
  Top Width (ft)          34179.94    Top Width (ft)          14267.64     751.91   19160.38
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.07       3.05       1.92
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  Max Chl Dpth (ft)          192.00    Hydr. Depth (ft)          104.65     188.03      87.55
  Conv. Total (cfs)        716087700.0    Conv. (cfs)            328224600.0   45886180.0   341976900.0
  Length Wtd. (ft)             5.00    Wetted Per. (ft)        14282.16     753.90   19171.06
  Min Ch El (ft)             567.95    Shear (lb/sq ft)            0.58       1.03       0.48
  Alpha                        1.04    Stream Power (lb/ft s)      1.19       3.15       0.92
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    151292.10   24350.87   179447.30
  C & E Loss (ft)              0.00    Cum SA (acres)           1392.23     119.42    1705.04


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276227.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  179.19  793.54  582.99  779.55 1228.24  762.15  1390.6  756.08
 1649.91  748.58 1801.97  747.74 2119.97  747.74 2423.53  747.13 3238.84  716.81
 3304.04  713.52  3386.9  712.26 3397.18  712.19 3580.26  718.77  3743.6  717.74
 3873.42  716.65  4012.8  713.07 4353.51  704.92 4768.75  696.65 5077.77  695.83
 5210.75  694.44 5355.45  691.04  5417.7   688.3 5747.47  685.71 6065.18  684.83
 6193.34  685.48 6393.56  680.96 6544.98   678.7 6609.76  676.44 6654.35  676.44
 6791.18  678.02 6989.08  688.04 7046.37  685.47 7164.15  681.09 7494.76  664.72
 7538.34  663.86    7679  656.08 7945.68  631.52 7958.49     630 8115.61  624.62
  8241.8  623.65 8473.15  626.39 8632.14  625.18 8798.71  619.38 8968.12  616.87
 9099.35  600.45 9115.03  600.34 9196.63  595.82 9349.74  589.04  9401.9  589.04
 9440.13   591.1 9555.48  620.54 9653.43  625.8210006.32   623.910150.25  615.37
10201.05  607.3610394.72   606.310624.38  620.5310897.65  619.0411475.59  616.78
12806.61  616.7813025.68  609.0413588.83  609.0414022.08   611.314076.76  613.56
14344.34  611.9314350.69  604.1514447.76  602.9415047.58  590.0515558.22  584.52
15594.03  580.9315720.15  576.2415752.68  572.7715803.88  567.9516193.25  567.95
16253.69  573.2716311.64  584.5216401.46   609.616420.71  612.2916662.14  641.75
 17107.8  647.1117548.63  650.5719687.14   648.719803.84   648.720036.27  649.03
20390.67   641.821389.61  643.2221650.27  645.4823347.29  647.7423734.54  648.81
24163.08  652.5224821.82  660.9225048.65  662.2626177.27  662.2626820.65  654.52
27097.96  654.5227679.27  652.2627919.98  650.9528093.71  651.2328235.49  649.98
   28386  651.0528683.74  655.4329009.54   658.330121.56  683.4330794.24  684.59
31774.46  740.4631918.95  740.7132543.79  695.3432578.94   695.434192.78   760.1
35249.32  755.4135449.29  755.7935805.64  774.1435847.62  774.4736158.09  769.23
36493.94  779.6736654.05  780.9637438.22     79038142.93   791.538498.31     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515558.22     .1516311.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15558.2216311.64                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             760.02    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.95    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                       Flow Area (sq ft)       1493131.00   141656.90   1677922.00
  E.G. Slope (ft/ft)       0.000088    Area (sq ft)            1493131.00   141656.90   1677922.00
  Q Total (cfs)            6730000.00    Flow (cfs)             3083844.00   431986.30   3214170.00
  Top Width (ft)           34206.35    Top Width (ft)          14271.21     753.42   19181.72
  Vel Total (ft/s)             2.03    Avg. Vel. (ft/s)            2.07       3.05       1.92
  Max Chl Dpth (ft)          192.00    Hydr. Depth (ft)          104.63     188.02      87.48
  Conv. Total (cfs)        716234600.0    Conv. (cfs)            328195500.0   45973780.0   342065300.0
  Length Wtd. (ft)             5.00    Wetted Per. (ft)        14285.71     755.41   19192.38
  Min Ch El (ft)             567.95    Shear (lb/sq ft)            0.58       1.03       0.48
  Alpha                        1.04    Stream Power (lb/ft s)      1.19       3.15       0.92
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    151120.70   24334.62   179254.70
  C & E Loss (ft)              0.00    Cum SA (acres)           1390.59     119.33    1702.84


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276224.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  179.23  793.53  583.13  779.53 1228.54  762.15 1390.94  756.07
 1650.31  748.57 1802.41  747.73 2120.49  747.73 2424.12  747.11 3239.63  716.83
 3304.85  713.54 3387.73  712.27    3398   712.2 3581.14  718.77 3744.51  717.73
 3874.36  716.64 4013.78  713.05 4354.57   704.9 4769.91  696.63 5079.01  695.81
 5212.02  694.42 5356.75  691.02 5419.02  688.26 5748.87  685.68 6066.65  684.81
 6194.85  685.46 6395.12  680.92 6546.58  678.65 6611.37  676.38 6655.97  676.38
 6792.83  677.96 6990.78  687.99 7048.09  685.42  7165.9  681.06 7496.59  664.72
 7540.18  663.88 7680.87  656.14 7947.62  631.61 7960.43  630.09 8117.59  624.69
 8243.81  623.72 8475.21  626.49 8634.25  625.27 8800.86  619.46 8970.31  616.94
 9101.57  600.54 9117.25  600.43 9198.87  595.89 9352.02  589.08 9404.19  589.08
 9442.43  591.15 9557.81  620.59 9655.78  625.8910008.76  623.9610152.73  615.44
10203.54  607.4310397.26  606.3710626.97  620.5810900.31  619.0811478.39  616.81
12809.73  616.8113028.86  609.0813592.15  609.08 14025.5  611.35 14080.2  613.62
14347.83  611.9814354.18  604.2114451.28     60315051.24  590.0815562.01  584.54
15597.96  580.9415724.56  576.2615757.22  572.7815808.62  567.9516198.23  567.95
16258.85  573.2716316.96  584.5416406.77   609.616426.01  612.2816667.42  641.72
17113.03  647.0817553.81  650.5319692.09  648.6519808.78  648.6520041.19  648.98
20395.55  641.7621394.38  643.1921655.02  645.4623351.85  647.7323739.05  648.81
24167.56  652.5224826.22  660.9425053.03  662.2726181.52  662.2726824.84  654.54
27102.12  654.5427683.37  652.2727924.05  650.9528097.76  651.2328239.53  649.97
28390.02  651.0428687.73  655.42 29013.5  658.29 30125.4  683.41   30798  684.57
31778.11  740.3731922.59  740.6232547.36  695.3232582.51  695.3834196.18  760.01
35252.61  755.3435452.55  755.7335808.87  774.0635850.84   774.436161.28  769.18
36497.09  779.6336657.19  780.9237441.27     79038145.91  791.5138501.25     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515562.01     .1516316.96     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      15562.0116316.96                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.02    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1493202.00   141935.80   1678247.00
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)            1493202.00   141935.80   1678247.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3082991.00   432738.80   3214271.00
  Top Width (ft)          34232.97    Top Width (ft)          14274.78     754.95   19203.25
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.06       3.05       1.92
  Max Chl Dpth (ft)         192.00    Hydr. Depth (ft)          104.60     188.01      87.39
  Conv. Total (cfs)       716370300.0    Conv. (cfs)             328166900.0   46062580.0   342140900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14289.26     756.94   19213.89
  Min Ch El (ft)            759.95    Shear (lb/sq ft)            0.58       1.03       0.48
  Alpha                       1.04    Stream Power (lb/ft s)      1.19       3.15       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    150949.30   24318.35   179062.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1388.95     119.25    1700.64


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276221.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  179.28  793.53  583.28  779.52 1228.83  762.15 1391.28  756.07
 1650.71  748.56 1802.85  747.72    2121  747.72 2424.71   747.1 3240.42  716.85
 3305.66  713.56 3388.55  712.28 3398.83  712.21 3582.01  718.76 3745.42  717.72
  3875.3  716.62 4014.76  713.04 4355.63  704.88 4771.07  696.62 5080.25  695.79
 5213.29   694.4 5358.06  690.99 5420.34  688.22 5750.27  685.64 6068.13  684.78
 6196.36  685.44 6396.68  680.88 6548.18   678.6 6612.98  676.32 6657.59  676.32
 6794.49  677.91 6992.49  687.93 7049.81  685.38 7167.64  681.04 7498.42  664.73
 7542.02   663.9 7682.74   656.2 7949.55   631.7 7962.37  630.18 8119.57  624.76
 8245.82  623.79 8477.28  626.58 8636.35  625.37    8803  619.54 8972.49  617.02
 9103.79  600.63 9119.47  600.52 9201.11  595.96  9354.3  589.12 9406.48  589.12
 9444.73   591.2 9560.14  620.63 9658.14  625.96 10011.2  624.02 10155.2  615.51
10206.03  607.5110399.79  606.4410629.56  620.6210902.96  619.1211481.19  616.84
12812.86  616.8413032.03  609.1213595.46  609.1214028.92   611.414083.63  613.68
14351.33  612.0414357.68  604.28 14454.8  603.0615054.91   590.1 15565.8  584.56
15601.89  580.9515728.97  576.2815761.76  572.7915813.35  567.9516203.21  567.95
   16264  573.2616322.28  584.5616412.08   609.616431.31  612.28 16672.7  641.68
17118.27  647.04   17559  650.4919697.05   648.619813.72   648.6 20046.1  648.93
20400.43  641.7221399.15  643.1621659.76  645.4423356.41  647.7223743.57   648.8
24172.03  652.5224830.63  660.9525057.41  662.2826185.78  662.2826829.03  654.56
27106.28  654.5627687.46  652.2827928.12  650.9628101.81  651.2328243.56  649.96
28394.04  651.0228691.72  655.4129017.45  658.2930129.23  683.3830801.76  684.54
31781.77  740.2931926.23  740.5432550.94   695.332586.08  695.3634199.57  759.93
35255.89  755.2735455.82  755.6635812.09  773.9935854.07  774.3436164.46  769.14
36500.24  779.5836660.32  780.8837444.32     79038148.88  791.5238504.18     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 15565.8     .1516322.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       15565.816322.28                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.02    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1493257.00   142214.70   1678563.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1493257.00   142214.70   1678563.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3147972.00   442754.50   3139274.00
  Top Width (ft)          34251.66    Top Width (ft)          14278.22     756.48   19216.95
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.11       3.11       1.87
  Max Chl Dpth (ft)         192.00    Hydr. Depth (ft)          104.58     188.00      87.35
  Conv. Total (cfs)       701513800.0    Conv. (cfs)             328134500.0   46151320.0   327227900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14292.69     758.47   19227.58
  Min Ch El (ft)            759.95    Shear (lb/sq ft)            0.60       1.08       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.27       3.35       0.94
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    150777.90   24302.04   178869.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1387.31     119.16    1698.43


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276218.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  179.32  793.52  583.42  779.51 1229.13  762.14 1391.62  756.06
 1651.11  748.56 1803.29  747.71 2121.52  747.71  2425.3  747.09 3241.21  716.86
 3306.46  713.57 3389.38  712.29 3399.66  712.22 3582.88  718.76 3746.33  717.71
 3876.25  716.61 4015.73  713.02 4356.69  704.86 4772.23   696.6 5081.49  695.78
 5214.56  694.38 5359.36  690.96 5421.66  688.19 5751.68  685.61 6069.61  684.76
 6197.87  685.42 6398.23  680.84 6549.77  678.55  6614.6  676.26 6659.21  676.26
 6796.14  677.86 6994.19  687.88 7051.53  685.33 7169.39  681.01 7500.25  664.74
 7543.86  663.92 7684.62  656.25 7951.49  631.79 7964.31  630.26 8121.55  624.83
 8247.83  623.87 8479.34  626.68 8638.46  625.47 8805.15  619.61 8974.68  617.09
 9106.01  600.72 9121.69  600.61 9203.35  596.03 9356.58  589.16 9408.77  589.16
 9447.03  591.25 9562.47  620.68 9660.49  626.0310013.64  624.0810157.68  615.58
10208.51  607.5910402.33  606.5210632.15  620.6710905.62  619.1611483.99  616.87
12815.98  616.8713035.21  609.1613598.77  609.1614032.34  611.4514087.06  613.74
14354.83  612.0914361.18  604.3414458.33  603.1215058.58  590.13 15569.6  584.58
15605.82  580.9615733.39  576.29 15766.3   572.815818.09  567.9516208.19  567.95
16269.15  573.2616327.59  584.5816417.38   609.616436.62  612.2816677.98  641.64
 17123.5  647.0117564.18  650.45   19702  648.5519818.66  648.5520051.02  648.89
20405.31  641.6921403.93  643.13 21664.5  645.4223360.97  647.71 23748.1   648.8
 24176.5  652.5124835.03  660.9625061.79  662.2926190.04  662.2926833.22  654.58
27110.44  654.5827691.56  652.2927932.19  650.9628105.87  651.23 28247.6  649.94
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28398.06  651.0128695.71   655.4 29021.4  658.2830133.06  683.3530805.53  684.52
31785.43   740.231929.87  740.4532554.51  695.2832589.65  695.3434202.97  759.84
35259.18   755.235459.08   755.635815.32  773.9235857.29  774.2736167.65  769.09
36503.39  779.5336663.45  780.8437447.37     79038151.85  791.5238507.11     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 15569.6     .1516327.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       15569.616327.59                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.02    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1493317.00   142490.70   1678906.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1493317.00   142490.70   1678906.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3146855.00   443488.60   3139657.00
  Top Width (ft)          34256.05    Top Width (ft)          14281.97     757.99   19216.09
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.11       3.11       1.87
  Max Chl Dpth (ft)         192.00    Hydr. Depth (ft)          104.56     187.98      87.37
  Conv. Total (cfs)       701688000.0    Conv. (cfs)            328099600.0   46239320.0   327349100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14296.41     759.98   19226.70
  Min Ch El (ft)            567.95    Shear (lb/sq ft)            0.60       1.08       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.26       3.35       0.94
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    150606.50   24285.70   178676.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1385.68     119.07    1696.23


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276215.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  179.36  793.52  583.56   779.5 1229.43  762.14 1391.95  756.05
 1651.51  748.55 1803.73   747.7 2122.04   747.7 2425.89  747.08    3242  716.88
 3307.27  713.59 3390.21   712.3 3400.49  712.23 3583.75  718.75 3747.25   717.7
 3877.19  716.59 4016.71     713 4357.75  704.84  4773.4  696.59 5082.72  695.76
 5215.83  694.36 5360.67  690.93 5422.98  688.15 5753.08  685.58 6071.09  684.74
 6199.38   685.4 6399.79   680.8 6551.37   678.5 6616.21   676.2 6660.84   676.2
  6797.8  677.81  6995.9  687.83 7053.25  685.29 7171.14  680.98 7502.07  664.74
 7545.69  663.93 7686.49  656.31 7953.43  631.87 7966.25  630.35 8123.53   624.9
 8249.84  623.94 8481.41  626.77 8640.56  625.56 8807.29  619.69 8976.87  617.17
 9108.22  600.81 9123.92   600.7  9205.6   596.1 9358.85   589.2 9411.06   589.2
 9449.33   591.3  9564.8  620.73 9662.84   626.110016.08  624.1410160.15  615.64
   10211  607.6610404.86  606.5910634.74  620.7210908.28   619.211486.79   616.9
 12819.1   616.913038.38   609.213602.09   609.214035.76   611.514090.49   613.8
14358.32  612.1414364.68   604.414461.85  603.1815062.25  590.1615573.39   584.6
15609.75  580.98 15737.8  576.3115770.83  572.8115822.82  567.9516213.17  567.95
 16274.3  573.2516332.91   584.616422.69  609.5916441.93  612.2716683.26  641.61
17128.73  646.9717569.37  650.4119706.96   648.5 19823.6   648.520055.94  648.84
20410.19  641.65 21408.7   643.121669.25   645.423365.54   647.723752.62  648.79
24180.98  652.5124839.43  660.9725066.17   662.3 26194.3   662.326837.41   654.6
 27114.6   654.627695.66   652.327936.26  650.9628109.92  651.2328251.64  649.93
28402.08  650.9928699.69   655.429025.36  658.27 30136.9  683.3230809.29   684.5
31789.08  740.1131933.52  740.3732558.09  695.2632593.22  695.3234206.37  759.75
35262.46  755.1335462.34  755.5435818.54  773.85 35860.5   774.236170.84  769.04
36506.54  779.4936666.59   780.837450.41     79038154.82  791.5338510.05     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515573.39     .1516332.91     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15573.3916332.91                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.02    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1493383.00   142769.30   1679251.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1493383.00   142769.30   1679251.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3145756.00   444224.10   3140020.00
  Top Width (ft)          34260.28    Top Width (ft)          14285.53     759.52   19215.23
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.11       3.11       1.87
  Max Chl Dpth (ft)         192.00    Hydr. Depth (ft)          104.54     187.97      87.39
  Conv. Total (cfs)       701868900.0    Conv. (cfs)            328069500.0   46327950.0   327471400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14299.96     761.52   19225.82
  Min Ch El (ft)            567.95    Shear (lb/sq ft)            0.60       1.08       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.26       3.35       0.94
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    150435.10   24269.33   178484.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1384.04     118.99    1694.02


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276212.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  179.41  793.51   583.7  779.48 1229.73  762.14 1392.29  756.04
 1651.92  748.54 1804.17  747.69 2122.55  747.69 2426.48  747.06 3242.79   716.9
 3308.07   713.6 3391.03  712.31 3401.32  712.24 3584.63  718.75 3748.16  717.69
 3878.14  716.58 4017.69  712.99 4358.81  704.82 4774.56  696.57 5083.96  695.74
  5217.1  694.34 5361.97  690.91  5424.3  688.11 5754.48  685.54 6072.57  684.72
 6200.89  685.38 6401.35  680.76 6552.96  678.45 6617.82  676.14 6662.46  676.14
 6799.45  677.75  6997.6  687.77 7054.96  685.24 7172.88  680.96  7503.9  664.75
 7547.53  663.95 7688.36  656.37 7955.36  631.96 7968.19  630.44  8125.5  624.97
 8251.85  624.01 8483.47  626.87 8642.67  625.66 8809.44  619.77 8979.05  617.24
 9110.44   600.9 9126.14  600.79 9207.84  596.17 9361.13  589.24 9413.36  589.24
 9451.63  591.35 9567.13  620.77  9665.2  626.1710018.52   624.210162.63  615.71
10213.49  607.7410407.39  606.6610637.33  620.7610910.93  619.2411489.58  616.93
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12822.22  616.9313041.56  609.24 13605.4  609.2414039.17  611.5514093.92  613.86
14361.82  612.1914368.18  604.4614465.37  603.2415065.92  590.1815577.18  584.62
15613.69  580.9915742.21  576.3315775.37  572.8215827.55  567.9516218.15  567.95
16279.45  573.2516338.23  584.62   16428  609.5916447.23  612.2716688.54  641.57
17133.96  646.9417574.55  650.3719711.91  648.4519828.55  648.4520060.85  648.79
20415.06  641.6121413.47  643.0721673.99  645.38 23370.1  647.6923757.13  648.79
24185.45  652.5124843.84  660.9825070.54  662.3126198.55  662.31 26841.6  654.62
27118.76  654.6227699.75  652.3127940.33  650.9728113.97  651.2328255.67  649.92
 28406.1  650.9828703.68  655.3929029.31  658.2630140.73  683.2930813.05  684.47
31792.74  740.0331937.16  740.2832561.66  695.2432596.79   695.334209.77  759.66
35265.75  755.05 35465.6  755.4735821.77  773.7835863.72  774.1336174.02  768.99
 36509.7  779.4436669.72  780.7637453.46     790 38157.8  791.5438512.98     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515577.18     .1516338.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15577.1816338.23                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.02    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1493458.00   143048.10   1679603.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1493458.00   143048.10   1679603.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3144673.00   444957.50   3140370.00
  Top Width (ft)          34264.66    Top Width (ft)          14289.09     761.05   19214.52
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.11       3.11       1.87
  Max Chl Dpth (ft)         192.00    Hydr. Depth (ft)          104.52     187.96      87.41
  Conv. Total (cfs)       702053600.0    Conv. (cfs)            328042900.0   46416640.0   327594000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14303.50     763.05   19225.09
  Min Ch El (ft)            567.95    Shear (lb/sq ft)            0.60       1.08       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.26       3.35       0.94
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    150263.70   24252.92   178291.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1382.40     118.90    1691.82


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276210.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  179.45  793.51  583.84  779.47 1230.03  762.13 1392.63  756.04
 1652.32  748.54 1804.61  747.68 2123.07  747.68 2427.08  747.05 3243.58  716.91
 3308.88  713.62 3391.86  712.32 3402.15  712.25  3585.5  718.74 3749.07  717.68
 3879.08  716.56 4018.67  712.97 4359.88   704.8 4775.72  696.56  5085.2  695.72
 5218.37  694.33 5363.28  690.88 5425.62  688.08 5755.88  685.51 6074.05  684.69
  6202.4  685.36 6402.91  680.72 6554.56   678.4 6619.43  676.08 6664.08  676.08
 6801.11   677.7  6999.3  687.72 7056.68   685.2 7174.63  680.93 7505.73  664.76
 7549.37  663.97 7690.23  656.42  7957.3  632.05 7970.13  630.53 8127.48  625.04
 8253.86  624.08 8485.54  626.97 8644.77  625.76 8811.58  619.85 8981.24  617.32
 9112.66  600.99 9128.36  600.88 9210.08  596.24 9363.41  589.28 9415.65  589.28
 9453.94   591.4 9569.46  620.82 9667.55  626.2410020.96  624.27 10165.1  615.78
10215.97  607.8210409.93  606.7310639.92  620.8110913.59  619.2811492.38  616.96
12825.34  616.9613044.74  609.2813608.71  609.2814042.59   611.614097.35  613.92
14365.32  612.2514371.68  604.5314468.89   603.315069.59  590.2115580.98  584.64
15617.62     58115746.63  576.3515779.91  572.8315832.29  567.9416223.13  567.94
 16284.6  573.2416343.54  584.6416433.31  609.5916452.54  612.2716693.81  641.54
17139.19   646.917579.73  650.3219716.87   648.419833.49   648.420065.77  648.74
20419.94  641.5821418.24  643.0421678.73  645.3623374.66  647.6823761.65  648.78
24189.93   652.524848.24  660.9925074.92  662.3226202.81  662.3226845.79  654.64
27122.92  654.6427703.85  652.32 27944.4  650.9728118.02  651.2228259.71   649.9
28410.12  650.9628707.67  655.3829033.27  658.2630144.57  683.2630816.81  684.45
 31796.4  739.94 31940.8   740.232565.23  695.2232600.36  695.2834213.16  759.57
35269.03  754.9835468.86  755.4135824.99  773.7135866.94  774.0636177.21  768.94
36512.84   779.436672.85  780.7237456.51     79038160.77  791.5438515.92     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515580.98     .1516343.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15580.9816343.54                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.02    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1493513.00   143328.00   1679959.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1493513.00   143328.00   1679959.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3143526.00   445706.60   3140767.00
  Top Width (ft)          34268.96    Top Width (ft)          14292.74     762.56   19213.66
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.10       3.11       1.87
  Max Chl Dpth (ft)         192.01    Hydr. Depth (ft)          104.49     187.96      87.44
  Conv. Total (cfs)       702233900.0    Conv. (cfs)            328007500.0   46506720.0   327719600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14307.13     764.56   19224.22
  Min Ch El (ft)            567.94    Shear (lb/sq ft)            0.60       1.07       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.26       3.34       0.94
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    150092.20   24236.49   178098.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1380.76     118.81    1689.61


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276207.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  179.49  793.51  583.99  779.46 1230.33  762.13 1392.97  756.03
 1652.72  748.53 1805.05  747.67 2123.59  747.67 2427.67  747.04 3244.37  716.93
 3309.68  713.63 3392.68  712.33 3402.97  712.26 3586.37  718.74 3749.98  717.67
 3880.03  716.55 4019.65  712.95 4360.94  704.78 4776.88  696.54 5086.44   695.7
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 5219.64  694.31 5364.59  690.85 5426.94  688.04 5757.28  685.48 6075.53  684.67
 6203.91  685.34 6404.47  680.68 6556.15  678.35 6621.04  676.02  6665.7  676.02
 6802.77  677.65 7001.01  687.67  7058.4  685.15 7176.38   680.9 7507.55  664.76
 7551.21  663.98  7692.1  656.48 7959.24  632.14 7972.07  630.62 8129.46  625.12
 8255.87  624.16 8487.61  627.06 8646.88  625.85 8813.73  619.93 8983.42  617.39
 9114.88  601.09 9130.58  600.97 9212.32  596.31 9365.69  589.32 9417.94  589.32
 9456.24  591.44 9571.79  620.87 9669.91  626.31 10023.4  624.3310167.58  615.85
10218.46  607.8910412.46  606.8110642.51  620.8610916.25  619.3211495.18  616.99
12828.47  616.9913047.91  609.3213612.02  609.3214046.01  611.6514100.79  613.98
14368.82   612.314375.18  604.5914472.41  603.3615073.25  590.2315584.77  584.66
15621.55  581.0115751.04  576.3615784.45  572.8415837.02  567.9416228.11  567.94
16289.75  573.2416348.86  584.6616438.62  609.5916457.84  612.2616699.09   641.5
17144.42  646.8717584.92  650.2819721.82  648.3519838.43  648.3520070.69  648.69
20424.82  641.5421423.01  643.0121683.48  645.3423379.22  647.6723766.18  648.78
 24194.4   652.524852.64  661.01 25079.3  662.3326207.07  662.3326849.97  654.66
27127.08  654.6627707.95  652.3327948.47  650.9828122.07  651.2228263.75  649.89
28414.14  650.9528711.66  655.3829037.22  658.25 30148.4  683.2330820.57  684.42
31800.05  739.8531944.44  740.1132568.81   695.232603.93  695.2634216.56  759.49
35272.31  754.9135472.13  755.3535828.21  773.6435870.16  773.9936180.39   768.9
   36516  779.3536675.98  780.6837459.56     79038163.75  791.5538518.86     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515584.77     .1516348.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15584.7716348.86                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.02    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1493580.00   143607.80   1680288.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1493580.00   143607.80   1680288.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3142453.00   446449.30   3141098.00
  Top Width (ft)          34273.20    Top Width (ft)          14296.29     764.09   19212.81
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.10       3.11       1.87
  Max Chl Dpth (ft)         192.01    Hydr. Depth (ft)          104.47     187.95      87.46
  Conv. Total (cfs)       702410600.0    Conv. (cfs)            327978000.0   46595940.0   327836600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14310.67     766.09   19223.34
  Min Ch El (ft)            567.94    Shear (lb/sq ft)            0.60       1.07       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.26       3.34       0.94
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    149920.80   24220.02   177905.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1379.11     118.73    1687.41


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276204.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  179.54   793.5  584.13  779.45 1230.63  762.13 1393.31  756.02
 1653.12  748.53 1805.49  747.66  2124.1  747.66 2428.26  747.03 3245.16  716.95
 3310.49  713.65 3393.51  712.34  3403.8  712.27 3587.25  718.73  3750.9  717.66
 3880.97  716.53 4020.63  712.93    4362  704.77 4778.05  696.53 5087.68  695.68
 5220.91  694.29 5365.89  690.83 5428.27     688 5758.68  685.44    6077  684.65
 6205.42  685.32 6406.03  680.64 6557.75   678.3 6622.65  675.96 6667.33  675.96
 6804.42  677.59 7002.71  687.62 7060.12   685.1 7178.12  680.87 7509.38  664.77
 7553.05     664 7693.98  656.54 7961.17  632.23 7974.01  630.71 8131.44  625.19
 8257.88  624.23 8489.67  627.16 8648.98  625.95 8815.87  620.01 8985.61  617.47
  9117.1  601.18  9132.8  601.06 9214.56  596.38 9367.97  589.36 9420.23  589.36
 9458.54  591.49 9574.12  620.91 9672.26  626.3810025.84  624.3910170.05  615.92
10220.95  607.97   10415  606.88 10645.1   620.910918.91  619.3611497.98  617.02
12831.59  617.0213051.09  609.3613615.34  609.3614049.43   611.714104.22  614.04
14372.31  612.3514378.67  604.6514475.94  603.4215076.92  590.2615588.56  584.68
15625.48  581.0215755.45  576.3815788.99  572.8515841.76  567.9416233.09  567.94
16294.91  573.2416354.18  584.6816443.92  609.5916463.15  612.2616704.37  641.46
17149.65  646.83 17590.1  650.2419726.78   648.319843.37   648.320075.61  648.64
 20429.7  641.5121427.79  642.9821688.22  645.3223383.78  647.66 23770.7  648.77
24198.88   652.524857.05  661.0225083.68  662.3426211.33  662.3426854.16  654.68
27131.24  654.6827712.04  652.3427952.55  650.9828126.12  651.2228267.79  649.88
28418.16  650.9428715.65  655.3729041.17  658.2430152.24   683.230824.34   684.4
31803.71  739.7731948.08  740.0332572.38  695.18 32607.5  695.2434219.96   759.4
 35275.6  754.8435475.39  755.2935831.44  773.5735873.38  773.9236183.58  768.85
36519.14  779.3136679.12  780.6437462.61     79038166.72  791.5638521.79     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515588.56     .1516354.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15588.5616354.18                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.02    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1493638.00   143886.40   1680624.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1493638.00   143886.40   1680624.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3141355.00   447187.40   3141458.00
  Top Width (ft)          34277.43    Top Width (ft)          14299.85     765.62   19211.95
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.10       3.11       1.87
  Max Chl Dpth (ft)         192.01    Hydr. Depth (ft)          104.45     187.93      87.48
  Conv. Total (cfs)       702585400.0    Conv. (cfs)            327945000.0   46684600.0   327955800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14314.22     767.62   19222.47
  Min Ch El (ft)            567.94    Shear (lb/sq ft)            0.60       1.07       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.26       3.34       0.94
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    149749.40   24203.52   177712.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1377.47     118.64    1685.20


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276201.*
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INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  179.58   793.5  584.27  779.43 1230.93  762.13 1393.65  756.01
 1653.53  748.52 1805.93  747.65 2124.62  747.65 2428.85  747.01 3245.95  716.97
 3311.29  713.67 3394.33  712.35 3404.63  712.28 3588.12  718.73 3751.81  717.65
 3881.91  716.52  4021.6  712.92 4363.06  704.75 4779.21  696.51 5088.91  695.66
 5222.18  694.27  5367.2   690.8 5429.59  687.97 5760.08  685.41 6078.48  684.62
 6206.93   685.3 6407.59   680.6 6559.34  678.25 6624.26   675.9 6668.95   675.9
 6806.08  677.54 7004.42  687.56 7061.83  685.06 7179.87  680.85 7511.21  664.78
 7554.88  664.02 7695.85  656.59 7963.11  632.32 7975.95   630.8 8133.42  625.26
 8259.88   624.3 8491.74  627.25 8651.08  626.05 8818.02  620.08  8987.8  617.54
 9119.32  601.27 9135.03  601.15 9216.81  596.45 9370.25   589.4 9422.52   589.4
 9460.84  591.54 9576.45  620.96 9674.61  626.4510028.28  624.4510172.52  615.98
10223.43  608.0510417.53  606.9510647.69  620.9510921.56   619.411500.77  617.05
12834.71  617.0513054.26   609.413618.65   609.414052.85  611.7514107.65   614.1
14375.81  612.4114382.17  604.7114479.46  603.4915080.59  590.2915592.36   584.7
15629.41  581.0315759.87   576.415793.52  572.8515846.49  567.9416238.07  567.94
16300.06  573.23 16359.5   584.716449.23  609.5916468.45  612.2616709.65  641.43
17154.88   646.817595.29   650.219731.73  648.2519848.31  648.2520080.52  648.59
20434.58  641.4721432.56  642.9521692.96   645.323388.35  647.6523775.21  648.77
24203.35  652.4924861.45  661.0325088.06  662.3526215.59  662.3526858.35   654.7
27135.39   654.727716.14  652.3527956.62  650.9928130.18  651.2228271.82  649.87
28422.18  650.9228719.64  655.3629045.13  658.2330156.07  683.17 30828.1  684.38
31807.37  739.6831951.72  739.9432575.96  695.1632611.07  695.2234223.36  759.31
35278.88  754.7735478.65  755.2235834.66   773.5 35876.6  773.8536186.77   768.8
 36522.3  779.2636682.25   780.637465.66     79038169.69  791.5638524.73     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515592.36     .15 16359.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15592.36 16359.5                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.02    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1493702.00   144164.30   1680971.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1493702.00   144164.30   1680971.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3140258.00   447922.00   3141820.00
  Top Width (ft)          34281.80    Top Width (ft)          14303.42     767.14   19211.23
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.10       3.11       1.87
  Max Chl Dpth (ft)         192.01    Hydr. Depth (ft)          104.43     187.92      87.50
  Conv. Total (cfs)       702764100.0    Conv. (cfs)            327913900.0   46773180.0   328077000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14317.78     769.14   19221.73
  Min Ch El (ft)            567.94    Shear (lb/sq ft)            0.60       1.07       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.26       3.33       0.94
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    149577.90   24186.99   177519.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1375.83     118.55    1683.00


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276198.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  179.62  793.49  584.41  779.42 1231.23  762.12 1393.99     756
 1653.93  748.51 1806.37  747.64 2125.14  747.64 2429.44     747 3246.74  716.98
  3312.1  713.68 3395.16  712.36 3405.46  712.29 3588.99  718.72 3752.72  717.64
 3882.86   716.5 4022.58   712.9 4364.12  704.73 4780.37   696.5 5090.15  695.65
 5223.45  694.25  5368.5  690.77 5430.91  687.93 5761.48  685.38 6079.96   684.6
 6208.44  685.28 6409.15  680.56 6560.94   678.2 6625.88  675.84 6670.57  675.84
 6807.73  677.49 7006.12  687.51 7063.55  685.01 7181.62  680.82 7513.04  664.78
 7556.72  664.03 7697.72  656.65 7965.05  632.41  7977.9  630.88  8135.4  625.33
 8261.89  624.38  8493.8  627.35 8653.19  626.14 8820.16  620.16 8989.98  617.62
 9121.53  601.36 9137.25  601.24 9219.05  596.52 9372.53  589.44 9424.82  589.44
 9463.14  591.59 9578.78  621.01 9676.97  626.5210030.72  624.51   10175  616.05
10225.92  608.1210420.06  607.0210650.28  620.9910924.22  619.4411503.57  617.08
12837.83  617.0813057.44  609.4413621.96  609.4414056.27   611.814111.08  614.16
14379.31  612.4614385.67  604.7814482.98  603.5515084.26  590.3115596.15  584.72
15633.34  581.0515764.28  576.4215798.06  572.8615851.22  567.9416243.04  567.94
16305.21  573.2316364.81  584.7216454.54  609.5816473.76  612.2616714.93  641.39
17160.12  646.7617600.47  650.1619736.68   648.219853.26   648.220085.44  648.55
20439.46  641.4321437.33  642.9221697.71  645.2823392.91  647.6423779.73  648.76
24207.82  652.4924865.85  661.0425092.44  662.3626219.84  662.3626862.54  654.72
27139.55  654.7227720.23  652.3627960.69  650.9928134.23  651.2228275.86  649.85
 28426.2  650.9128723.63  655.3629049.08  658.23 30159.9  683.1430831.86  684.35
31811.03  739.5931955.36  739.8532579.53  695.1432614.64   695.234226.75  759.22
35282.16   754.735481.91  755.1635837.89  773.4335879.82  773.7936189.95  768.75
36525.45  779.2236685.39  780.5637468.71     79038172.66  791.5738527.66     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515596.15     .1516364.81     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15596.1516364.81                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.02    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1493773.00   144440.20   1681321.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1493773.00   144440.20   1681321.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3139158.00   448645.20   3142198.00
  Top Width (ft)          34286.20    Top Width (ft)          14307.16     768.66   19210.39
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.10       3.11       1.87
  Max Chl Dpth (ft)         192.01    Hydr. Depth (ft)          104.41     187.91      87.52
  Conv. Total (cfs)       702945100.0    Conv. (cfs)            327883400.0   46860760.0   328200900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14321.49     770.66   19220.87
  Min Ch El (ft)            567.94    Shear (lb/sq ft)            0.60       1.07       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.25       3.33       0.94
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    149406.50   24170.42   177326.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1374.19     118.46    1680.79
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CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276195.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  179.67  793.49  584.55  779.41 1231.53  762.12 1394.33     756
 1654.33  748.51 1806.81  747.63 2125.65  747.63 2430.03  746.99 3247.53     717
 3312.91   713.7 3395.99  712.37 3406.29   712.3 3589.86  718.72 3753.64  717.63
  3883.8  716.49 4023.56  712.88 4365.18  704.71 4781.53  696.48 5091.39  695.63
 5224.72  694.23 5369.81  690.74 5432.23  687.89 5762.88  685.35 6081.44  684.58
 6209.95  685.26  6410.7  680.52 6562.54  678.15 6627.49  675.78 6672.19  675.78
 6809.39  677.43 7007.82  687.46 7065.27  684.97 7183.36  680.79 7514.86  664.79
 7558.56  664.05 7699.59  656.71 7966.99  632.49 7979.83  630.97 8137.38   625.4
  8263.9  624.45 8495.87  627.44 8655.29  626.24 8822.31  620.24 8992.17  617.69
 9123.75  601.45 9139.47  601.33 9221.29  596.59 9374.81  589.48 9427.11  589.48
 9465.44  591.64 9581.11  621.05 9679.32  626.5910033.16  624.5710177.47  616.12
10228.41   608.2 10422.6  607.0910652.87  621.0410926.88  619.4811506.37  617.11
12840.96  617.1113060.61  609.4813625.28  609.4814059.69  611.8514114.51  614.22
 14382.8  612.5114389.17  604.84 14486.5  603.6115087.93  590.3415599.94  584.74
15637.27  581.0615768.69  576.44 15802.6  572.8715855.96  567.9416248.02  567.94
16310.36  573.2216370.13  584.7416459.84  609.5816479.06  612.2516720.21  641.35
17165.35  646.7317605.65  650.1119741.64  648.15 19858.2  648.1520090.36   648.5
20444.34   641.4 21442.1  642.8921702.45  645.2623397.47  647.6323784.26  648.76
 24212.3  652.4924870.26  661.0525096.82  662.37 26224.1  662.3726866.73  654.74
27143.71  654.7427724.33  652.3727964.76  650.9928138.28  651.22 28279.9  649.84
28430.22  650.8928727.62  655.3529053.03  658.2230163.74  683.1230835.62  684.33
31814.68  739.5131959.01  739.7732583.11  695.1232618.21  695.1834230.15  759.13
35285.45  754.6235485.18   755.135841.11  773.3635883.04  773.7236193.14  768.71
36528.59  779.1736688.52  780.5237471.76     79038175.64  791.5838530.59     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515599.94    .1516370.13     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15599.9416370.13                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1493833.00   144719.40   1681661.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1493833.00   144719.40   1681661.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3138066.00   449382.30   3142552.00
  Top Width (ft)          34290.35    Top Width (ft)          14310.62     770.19   19209.54
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.10       3.11       1.87
  Max Chl Dpth (ft)         192.01    Hydr. Depth (ft)          104.39     187.90      87.54
  Conv. Total (cfs)       703123600.0    Conv. (cfs)            327852600.0   46949670.0   328321300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14324.93     772.19   19220.00
  Min Ch El (ft)            759.94    Shear (lb/sq ft)            0.60       1.07       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.25       3.33       0.94
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    149235.00   24153.83   177133.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1372.55     118.37    1678.59


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276192.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  179.71  793.48   584.7   779.4 1231.83  762.12 1394.67  755.99
 1654.73   748.5 1807.25  747.62 2126.17  747.62 2430.62  746.97 3248.32  717.02
 3313.71  713.71 3396.81  712.38 3407.11  712.31 3590.74  718.71 3754.55  717.62
 3884.75  716.47 4024.54  712.87 4366.24  704.69  4782.7  696.47 5092.63  695.61
 5225.99  694.21 5371.11  690.72 5433.55  687.86 5764.29  685.31 6082.92  684.56
 6211.46  685.24 6412.26  680.48 6564.13   678.1  6629.1  675.72 6673.81  675.72
 6811.04  677.38 7009.53   687.4 7066.99  684.92 7185.11  680.76 7516.69   664.8
  7560.4  664.07 7701.46  656.77 7968.92  632.58 7981.78  631.06 8139.35  625.47
 8265.91  624.52 8497.93  627.54  8657.4  626.34 8824.45  620.32 8994.36  617.77
 9125.97  601.54 9141.69  601.42 9223.53  596.66 9377.09  589.52  9429.4  589.52
 9467.74  591.69 9583.44   621.1 9681.67  626.66 10035.6  624.6310179.95  616.19
 10230.9  608.2810425.13  607.1710655.46  621.0910929.53  619.5211509.17  617.14
12844.08  617.1413063.79  609.5213628.59  609.52 14063.1   611.914117.95  614.28
 14386.3  612.5614392.67   604.914490.03  603.67 15091.6  590.3615603.73  584.76
 15641.2  581.0715773.11  576.4515807.14  572.8815860.69  567.94   16253  567.94
16315.51  573.2216375.45  584.7616465.15  609.5816484.37  612.2516725.49  641.32
17170.58  646.6917610.84  650.0719746.59   648.119863.14   648.120095.27  648.45
20449.22  641.3621446.87  642.86 21707.2  645.2423402.03  647.6223788.78  648.75
24216.77  652.4824874.66  661.06 25101.2  662.3826228.36  662.3826870.92  654.76
27147.87  654.7627728.43  652.3827968.83     65128142.33  651.2128283.93  649.83
28434.24  650.88 28731.6  655.3429056.99  658.2130167.57  683.0930839.38  684.31
31818.34  739.4231962.65  739.6832586.68   695.132621.78  695.1634233.55  759.05
35288.73  754.5535488.44  755.0335844.33  773.2935886.26  773.6536196.33  768.66
36531.75  779.1236691.65  780.48 37474.8     79038178.61  791.5838533.53     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515603.73    .1516375.45     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15603.7316375.45                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1493897.00   144998.80   1682003.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1493897.00   144998.80   1682003.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3136980.00   450120.60   3142900.00
  Top Width (ft)          34294.72    Top Width (ft)          14314.18     771.72   19208.82
```

```
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.10       3.10       1.87
  Max Chl Dpth (ft)         192.01    Hydr. Depth (ft)          104.36     187.89      87.56
  Conv. Total (cfs)       703301800.0    Conv. (cfs)            327822200.0   47038720.0   328440900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14328.47     773.72   19219.27
  Min Ch El (ft)            567.94    Shear (lb/sq ft)            0.60       1.07       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.25       3.33       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    149063.50   24137.20   176940.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1370.90     118.28    1676.38


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276189.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  179.76  793.48  584.84  779.39 1232.13  762.11 1395.01  755.98
 1655.13  748.49 1807.68  747.61 2126.69  747.61 2431.21  746.96 3249.11  717.03
 3314.52  713.73 3397.64  712.39 3407.94  712.32 3591.61   718.7 3755.46  717.61
 3885.69  716.46 4025.52  712.85 4367.31  704.67 4783.86  696.45 5093.87  695.59
 5227.26   694.2 5372.42  690.69 5434.87  687.82 5765.69  685.28  6084.4  684.53
 6212.97  685.22 6413.82  680.44 6565.73  678.05 6630.71  675.66 6675.44  675.66
  6812.7  677.33 7011.23  687.35 7068.71  684.87 7186.85  680.74 7518.52  664.81
 7562.23  664.09 7703.34  656.82 7970.86  632.67 7983.72  631.15 8141.33  625.55
 8267.92  624.59    8500  627.63  8659.5  626.43  8826.6   620.4 8996.54  617.84
 9128.19  601.63 9143.92  601.51 9225.77  596.73 9379.37  589.56 9431.69  589.56
 9470.05  591.74 9585.77  621.15 9684.03  626.7310038.04   624.710182.42  616.26
10233.38  608.3510427.67  607.2410658.05  621.1310932.19  619.5611511.96  617.17
 12847.2  617.1713066.96  609.56 13631.9  609.5614066.52  611.9514121.38  614.34
 14389.8  612.6214396.17  604.9714493.55  603.7315095.27  590.3915607.53  584.78
15645.13  581.0815777.52  576.4715811.67  572.8915865.43  567.9416257.98  567.94
16320.67  573.2116380.76  584.7816470.46  609.5816489.67  612.2516730.77  641.28
17175.81  646.6617616.02  650.0319751.55  648.0519868.08  648.0520100.19   648.4
 20454.1  641.3221451.64  642.8321711.94  645.2223406.59  647.6123793.29  648.74
24221.24  652.4824879.06  661.0825105.58  662.3926232.62  662.3926875.11  654.78
27152.03  654.7827732.53  652.39 27972.9     65128146.38  651.2128287.97  649.81
28438.27  650.8628735.59  655.3329060.94   658.230171.41  683.0630843.15  684.28
   31822  739.3431966.29   739.632590.26  695.0832625.35  695.1434236.94  758.96
35292.02  754.48 35491.7  754.9735847.56  773.2235889.48  773.5836199.52  768.61
36534.89  779.0836694.79  780.4437477.86     79038181.58  791.5938536.46     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515607.53     .1516380.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15607.5316380.76                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1493965.00   145274.40   1682349.00
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            1493965.00   145274.40   1682349.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3135879.00   450846.10   3143275.00
  Top Width (ft)          34299.13    Top Width (ft)          14317.92     773.23   19207.98
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.10       3.10       1.87
  Max Chl Dpth (ft)         192.01    Hydr. Depth (ft)          104.34     187.88      87.59
  Conv. Total (cfs)       703480300.0    Conv. (cfs)            327790400.0   47126500.0   328563500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14332.20     775.23   19218.40
  Min Ch El (ft)            567.94    Shear (lb/sq ft)            0.60       1.07       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.25       3.32       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    148892.00   24120.54   176747.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1369.26     118.20    1674.18


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276186.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   179.8  793.47  584.98  779.37 1232.43  762.11 1395.35  755.97
 1655.54  748.49 1808.12   747.6  2127.2   747.6  2431.8  746.95  3249.9  717.05
 3315.32  713.74 3398.46   712.4 3408.77  712.33 3592.48   718.7 3756.37   717.6
 3886.64  716.44 4026.49  712.83 4368.37  704.65 4785.02  696.44  5095.1  695.57
 5228.53  694.18 5373.72  690.66 5436.19  687.78 5767.09  685.25 6085.88  684.51
 6214.48   685.2 6415.38   680.4 6567.32     678 6632.32   675.6 6677.06   675.6
 6814.36  677.28 7012.94   687.3 7070.42  684.83  7188.6  680.71 7520.34  664.81
 7564.07   664.1 7705.21  656.88  7972.8  632.76 7985.66  631.24 8143.31  625.62
 8269.93  624.67 8502.07  627.73 8661.61  626.53 8828.74  620.48 8998.73  617.91
 9130.41  601.72 9146.14   601.6 9228.02   596.8 9381.65   589.6 9433.99   589.6
 9472.35  591.79  9588.1  621.19 9686.38   626.810040.48  624.76 10184.9  616.33
10235.87  608.43 10430.2  607.3110660.64  621.1810934.85   619.611514.76   617.2
12850.32   617.213070.14   609.613635.21   609.614069.94     61214124.81   614.4
14393.29  612.6714399.67  605.0314497.07  603.7915098.93  590.4115611.32   584.8
15649.06  581.0915781.93  576.4915816.21   572.915870.16  567.9416262.96  567.94
16325.82  573.2116386.08   584.816475.77  609.5816494.98  612.2416736.05  641.24
17181.04  646.6217621.21  649.99 19756.5     64819873.03     64820105.11  648.35
20458.98  641.2921456.42   642.821716.69   645.223411.15   647.623797.82  648.74
24225.72  652.4824883.47  661.0925109.96   662.426236.88   662.4 26879.3   654.8
27156.19   654.827736.62   652.427976.97  651.0128150.44  651.2128292.01   649.8
28442.29  650.8528739.58  655.3329064.89   658.230175.24  683.0330846.91  684.26
31825.65  739.2531969.93  739.5132593.83  695.0632628.92  695.1234240.34  758.87
 35295.3  754.4135494.96  754.9135850.78  773.15 35892.7  773.51 36202.7  768.56
36538.05  779.0336697.92   780.4 37480.9     79038184.55   791.6 38539.4     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515611.32     .1516386.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15611.3216386.08                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
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```
  E.G. Elev (ft)            760.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1494026.00   145553.00   1682679.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1494026.00   145553.00   1682679.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3134799.00   451581.80   3143619.00
  Top Width (ft)          34303.36    Top Width (ft)          14321.48     774.76   19207.13
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.10       3.10       1.87
  Max Chl Dpth (ft)         192.01    Hydr. Depth (ft)          104.32     187.87      87.61
  Conv. Total (cfs)       703654500.0    Conv. (cfs)            327758600.0   47215090.0   328680700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14335.73     776.76   19217.53
  Min Ch El (ft)            567.94    Shear (lb/sq ft)            0.60       1.07       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.25       3.32       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    148720.50   24103.85   176554.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1367.62     118.11    1671.97


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276183.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  179.84  793.47  585.12  779.36 1232.73  762.11 1395.68  755.96
 1655.94  748.48 1808.56  747.59 2127.72  747.59 2432.39  746.94 3250.69  717.07
 3316.13  713.76 3399.29  712.41  3409.6  712.34 3593.36  718.69 3757.29  717.59
 3887.58  716.43 4027.47  712.82 4369.43  704.63 4786.18  696.42 5096.34  695.55
  5229.8  694.16 5375.03  690.64 5437.51  687.75 5768.49  685.21 6087.36  684.49
 6215.99  685.18 6416.94  680.36 6568.92  677.95 6633.93  675.54 6678.68  675.54
 6816.01  677.22 7014.64  687.25 7072.14  684.78 7190.35  680.68 7522.17  664.82
 7565.91  664.12 7707.08  656.94 7974.73  632.85  7987.6  631.33 8145.29  625.69
 8271.94  624.74 8504.13  627.82 8663.71  626.63 8830.89  620.55 9000.92  617.99
 9132.63  601.81 9148.36  601.69 9230.26  596.87 9383.93  589.64 9436.28  589.64
 9474.65  591.84 9590.43  621.24 9688.73  626.8710042.92  624.8210187.37  616.39
10238.36  608.5110432.74  607.3810663.23  621.23 10937.5  619.6411517.56  617.23
12853.44  617.2313073.32  609.6413638.53  609.6414073.36  612.0514128.24  614.46
14396.79  612.7214403.17  605.0914500.59  603.85 15102.6  590.4415615.11  584.82
15652.99   581.115786.34  576.5115820.75  572.9115874.89  567.9316267.94  567.93
16330.97  573.21 16391.4  584.8216481.07  609.5716500.28  612.2416741.33  641.21
17186.28  646.5917626.39  649.9519761.46  647.9519877.97  647.9520110.03   648.3
20463.86  641.2521461.19  642.7721721.43  645.1823415.71  647.5923802.34  648.73
24230.19  652.4824887.87   661.125114.33  662.4126241.13  662.4126883.48  654.82
27160.35  654.8227740.72  652.4127981.04  651.0128154.49  651.2128296.04  649.79
28446.31  650.8428743.57  655.3229068.85  658.1930179.08     68330850.67  684.23
31829.31  739.1631973.57  739.43 32597.4  695.0332632.49   695.134243.74  758.78
35298.58  754.3435498.23  754.85   35854  773.0835895.92  773.4436205.89  768.52
 36541.2  778.9936701.05  780.3637483.95     79038187.53   791.638542.34     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515615.11     .15 16391.4     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15615.11 16391.4                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1494088.00   145836.10   1683031.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1494088.00   145836.10   1683031.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3133680.00   452333.30   3143986.00
  Top Width (ft)          34307.61    Top Width (ft)          14325.04     776.29   19206.28
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.10       3.10       1.87
  Max Chl Dpth (ft)         192.02    Hydr. Depth (ft)          104.30     187.86      87.63
  Conv. Total (cfs)       703838500.0    Conv. (cfs)            327727300.0   47306030.0   328805100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14339.28     778.29   19216.67
  Min Ch El (ft)            567.93    Shear (lb/sq ft)            0.59       1.07       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.25       3.32       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    148549.00   24087.13   176361.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1365.97     118.02    1669.77


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276180.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  179.46  793.46  585.27  779.35 1233.03  762.11 1396.02  755.96
 1656.34  748.47    1809  747.58 2128.24  747.58 2432.98  746.92 3251.48  717.09
 3316.93  713.77 3400.11  712.42 3410.43  712.35 3594.23  718.69  3758.2  717.58
 3888.52  716.41 4028.45   712.8 4370.49  704.61 4787.35  696.41 5097.58  695.54
 5231.08  694.14 5376.34  690.61 5438.83  687.71 5769.89  685.18 6088.83  684.46
  6217.5  685.16  6418.5  680.32 6570.51   677.9 6635.54  675.48  6680.3  675.48
 6817.67  677.17 7016.34  687.19 7073.86  684.74 7192.09  680.66    7524  664.83
 7567.75  664.14 7708.95  656.99 7976.67  632.94 7989.54  631.42 8147.27  625.76
 8273.95  624.81  8506.2  627.92 8665.82  626.72 8833.03  620.63  9003.1  618.06
 9134.84   601.9 9150.58  601.78  9232.5  596.94 9386.21  589.68 9438.57  589.68
 9476.95  591.89 9592.76  621.29 9691.09  626.9410045.35  624.8810189.85  616.46
10240.84  608.5810435.27  607.4510665.82  621.2710940.16  619.6811520.36  617.26
12856.57  617.2613076.49  609.6813641.84  609.6814076.78   612.114131.67  614.52
14400.29  612.7714406.66  605.1514504.11  603.9115106.27  590.4715618.91  584.84
15656.92  581.1215790.76  576.5215825.29  572.9215879.63  567.9316272.92  567.93
16336.12   573.216396.71  584.8416486.38  609.5716505.59  612.2416746.61  641.17
17191.51  646.5517631.58  649.9119766.41   647.919882.91   647.920114.94  648.25
20468.73  641.2221465.96  642.7421726.17  645.1623420.28  647.5823806.86  648.73
24234.67  652.4724892.27  661.1125118.71  662.4226245.39  662.4226887.67  654.84
27164.51  654.8427744.81  652.4227985.11  651.0128158.54  651.2128300.08  649.77
28450.33  650.8228747.56  655.31 29072.8  658.1830182.91  682.9730854.43  684.21
31832.97  739.0831977.21  739.3432600.98  695.0132636.06  695.0834247.13  758.69
35301.87  754.2735501.49  754.7835857.23  773.0135899.14  773.3736209.07  768.47
36544.35  778.9436704.18  780.32   37487     790 38190.5  791.6138545.27     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515618.91     .1516396.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15618.9116396.71                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1494155.00   146111.60   1683378.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1494155.00   146111.60   1683378.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3132604.00   453056.10   3144340.00
  Top Width (ft)          34311.89    Top Width (ft)          14328.51     777.80   19205.57
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.10       3.10       1.87
  Max Chl Dpth (ft)         192.02    Hydr. Depth (ft)          104.28     187.85      87.65
  Conv. Total (cfs)       704019100.0    Conv. (cfs)            327698800.0   47393780.0   328926500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14342.75     779.80   19215.94
  Min Ch El (ft)            567.93    Shear (lb/sq ft)            0.59       1.07       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.25       3.31       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    148377.50   24070.37   176168.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1364.33     117.93    1667.56


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276177.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  179.93  793.46  585.41  779.34 1233.33   762.1 1396.36  755.95
 1656.74  748.47 1809.44  747.57 2128.76  747.57 2433.57  746.91 3252.27   717.1
 3317.74  713.79 3400.94  712.43 3411.26  712.36  3595.1  718.68 3759.11  717.57
 3889.47   716.4 4029.43  712.78 4371.55  704.59 4788.51  696.39 5098.82  695.52
 5232.35  694.12 5377.64  690.58 5440.15  687.67 5771.29  685.15 6090.31  684.44
 6219.01  685.14 6420.06  680.28 6572.11  677.85 6637.16  675.42 6681.93  675.42
 6819.32  677.12 7018.05  687.14 7075.58  684.69 7193.84  680.63 7525.83  664.83
 7569.59  664.15 7710.83  657.05 7978.61  633.02 7991.48   631.5 8149.25  625.83
 8275.96  624.89 8508.26  628.01 8667.92  626.82 8835.18  620.71 9005.29  618.14
 9137.06  601.99  9152.8  601.87 9234.74  597.01 9388.49  589.72 9440.86  589.72
 9479.25  591.94 9595.08  621.33 9693.44  627.0110047.79  624.9410192.32  616.53
10243.33  608.66 10437.8  607.5310668.41  621.3210942.82  619.7211523.16  617.29
12859.69  617.2913079.67  609.7213645.15  609.72 14080.2  612.15 14135.1  614.58
14403.79  612.8314410.16  605.2214507.64  603.9715109.94  590.49 15622.7  584.86
15660.85  581.1315795.17  576.5415829.83  572.9315884.36  567.93 16277.9  567.93
16341.27   573.216402.03  584.8616491.69  609.5716510.89  612.2416751.89  641.13
17196.74  646.5217636.76  649.8619771.37  647.8519887.85  647.8520119.86  648.21
20473.61  641.1821470.73  642.7121730.92  645.1423424.84  647.5723811.38  648.72
24239.14  652.4724896.68  661.1225123.09  662.4326249.65  662.4326891.86  654.86
27168.67  654.8627748.91  652.4327989.18  651.0228162.59  651.2128304.12  649.76
28454.35  650.8128751.55  655.3129076.76  658.1730186.75  682.94 30858.2  684.19
31836.62  738.9931980.85  739.2632604.55  694.9932639.63  695.0634250.53   758.6
35305.15  754.1935504.75  754.7235860.45  772.9435902.36   773.336212.26  768.42
 36547.5   778.936707.32  780.2837490.05     79038193.48  791.62 38548.2     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 15622.7     .1516402.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       15622.716402.03                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.94    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1494222.00   146389.80   1683733.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1494222.00   146389.80   1683733.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3131490.00   453784.10   3144727.00
  Top Width (ft)          34316.30    Top Width (ft)          14332.24     779.33   19204.72
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.10       3.10       1.87
  Max Chl Dpth (ft)         192.02    Hydr. Depth (ft)          104.26     187.84      87.67
  Conv. Total (cfs)       704201000.0    Conv. (cfs)            327666900.0   47482200.0   329052000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14346.46     781.33   19215.07
  Min Ch El (ft)            567.93    Shear (lb/sq ft)            0.59       1.07       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.24       3.31       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    148206.00   24053.58   175974.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1362.68     117.84    1665.36


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276175.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  179.97  793.45  585.55  779.32 1233.63   762.1  1396.7  755.94
 1657.15  748.46 1809.88  747.56 2129.27  747.56 2434.17   746.9 3253.05  717.12
 3318.54  713.81 3401.77  712.44 3412.08  712.37 3595.97  718.68 3760.02  717.56
 3890.41  716.38 4030.41  712.77 4372.61  704.57 4789.67  696.38 5100.06   695.5
 5233.62   694.1 5378.95  690.55 5441.47  687.64 5772.69  685.11 6091.79  684.42
 6220.52  685.12 6421.61  680.24 6573.71   677.8 6638.77  675.36 6683.55  675.36
 6820.98  677.06 7019.75  687.09  7077.3  684.65 7195.59   680.6 7527.65  664.84
 7571.42  664.17  7712.7  657.11 7980.55  633.11 7993.42  631.59 8151.23   625.9
 8277.97  624.96 8510.33  628.11 8670.02  626.92 8837.32  620.79 9007.48  618.21
 9139.28  602.08 9155.03  601.96 9236.99  597.08 9390.77  589.76 9443.15  589.76
 9481.55  591.99 9597.42  621.38 9695.79  627.0810050.23     62510194.79   616.6
10245.82  608.7410440.34   607.6   10671  621.3710945.47  619.7611525.95  617.32
12862.81  617.3213082.84  609.7613648.47  609.7614083.61   612.214138.54  614.64
14407.28  612.8814413.66  605.2814511.16  604.0315113.61  590.5215626.49  584.88
15664.78  581.1415799.58  576.5615834.36  572.94 15889.1  567.9316282.88  567.93
16346.42  573.1916407.35  584.88   16497  609.57 16516.2  612.2316757.17   641.1
17201.97  646.4817641.94  649.8219776.32   647.819892.79   647.820124.78  648.16
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20478.49  641.14 21475.5  642.6821735.66  645.12 23429.4  647.56 23815.9  648.72
24243.62  652.4724901.08  661.1425127.47  662.4426253.91  662.4426896.05  654.88
27172.83  654.8827753.01  652.4427993.25  651.0228166.64  651.2128308.15  649.75
28458.37  650.7928755.54   655.329080.71  658.1730190.58  682.9130861.96  684.16
31840.28   738.931984.49  739.1732608.13  694.9732643.21  695.0434253.93  758.52
35308.43  754.1235508.01  754.6635863.68  772.8735905.58  773.2436215.45  768.37
36550.65  778.8536710.45  780.24 37493.1     79038196.45  791.6238551.14     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515626.49     .1516407.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15626.4916407.35                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.94    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1494276.00   146668.90   1684064.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1494276.00   146668.90   1684064.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3130398.00   454521.70   3145080.00
  Top Width (ft)          34320.54    Top Width (ft)          14335.80     780.86   19203.88
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.09       3.10       1.87
  Max Chl Dpth (ft)         192.01    Hydr. Depth (ft)          104.23     187.83      87.69
  Conv. Total (cfs)       704373600.0    Conv. (cfs)            327633000.0   47571040.0   329169600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14350.00     782.86   19214.21
  Min Ch El (ft)            567.93    Shear (lb/sq ft)            0.59       1.07       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.24       3.31       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    148034.50   24036.77   175781.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1361.04     117.75    1663.15


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276172.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  180.02  793.45  585.69  779.31 1233.93   762.1 1397.04  755.93
 1657.55  748.46 1810.32  747.55 2129.79  747.55 2434.76  746.89 3253.84  717.14
 3319.35  713.82 3402.59  712.45 3412.91  712.38 3596.85  718.67 3760.94  717.55
 3891.36  716.37 4031.39  712.75 4373.67  704.55 4790.83  696.36 5101.29  695.48
 5234.89  694.08 5380.25  690.53 5442.79   687.6 5774.09  685.08 6093.27   684.4
 6222.03   685.1 6423.17   680.2  6575.3  677.75 6640.38   675.3 6685.17   675.3
 6822.63  677.01 7021.45  687.03 7079.01   684.6 7197.33  680.57 7529.48  664.85
 7573.26  664.19 7714.57  657.16 7982.48   633.2 7995.36  631.68  8153.2  625.98
 8279.98  625.03 8512.39   628.2 8672.13  627.01 8839.47  620.87 9009.66  618.29
  9141.5  602.17 9157.25  602.05 9239.23  597.15 9393.05   589.8 9445.45   589.8
 9483.85  592.03 9599.74  621.43 9698.15  627.1510052.67  625.0710197.27  616.67
 10248.3  608.8210442.87  607.6710673.59  621.4110948.13   619.811528.75  617.35
12865.93  617.3513086.02   609.813651.78   609.814087.03  612.2514141.97   614.7
14410.78  612.9314417.16  605.3414514.68  604.0915117.28  590.5415630.29   584.9
15668.71  581.15   15804  576.58 15838.9  572.9515893.83  567.9316287.86  567.93
16351.57  573.1916412.66   584.9 16502.3  609.5716521.51  612.2316762.45  641.06
 17207.2  646.4517647.13  649.7819781.28  647.7519897.74  647.7520129.69  648.11
20483.37  641.1121480.28  642.65 21740.4   645.123433.96  647.5523820.42  648.71
24248.09  652.4624905.48  661.1525131.85  662.4526258.16  662.4526900.24   654.9
27176.98   654.9 27757.1  652.4527997.32  651.03 28170.7   651.228312.19  649.74
28462.39  650.7828759.53  655.2929084.66  658.1630194.41  682.8830865.72  684.14
31843.94  738.8231988.14  739.09 32611.7  694.9532646.78  695.0234257.33  758.43
35311.72  754.0535511.27  754.59 35866.9   772.8 35908.8  773.1736218.63  768.32
 36553.8   778.836713.58   780.237496.15     79038199.42  791.6338554.07     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515630.29     .1516412.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15630.2916412.66                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.94    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1494345.00   146943.80   1684402.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1494345.00   146943.80   1684402.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3129335.00   455242.20   3145423.00
  Top Width (ft)          34324.91    Top Width (ft)          14339.37     782.37   19203.17
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.09       3.10       1.87
  Max Chl Dpth (ft)         192.01    Hydr. Depth (ft)          104.21     187.82      87.71
  Conv. Total (cfs)       704550500.0    Conv. (cfs)            327603900.0   47658410.0   329288100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14353.55     784.38   19213.49
  Min Ch El (ft)            567.93    Shear (lb/sq ft)            0.59       1.07       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.24       3.31       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    147863.00   24019.91   175588.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1359.39     117.66    1660.95


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276169.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  180.06  793.45  585.83   779.3 1234.22   762.1 1397.38  755.93
 1657.95  748.45 1810.76  747.54 2130.31  747.54 2435.35  746.87 3254.63  717.15
 3320.15  713.84 3403.42  712.46 3413.74  712.39 3597.72  718.67 3761.85  717.54
  3892.3  716.35 4032.36  712.73 4374.74  704.53    4792  696.35 5102.53  695.46
 5236.16  694.06 5381.56   690.5 5444.12  687.56  5775.5  685.05 6094.75  684.37
 6223.54  685.08 6424.73  680.16  6576.9   677.7 6641.99  675.24 6686.79  675.24
 6824.29  676.96 7023.16  686.98 7080.73  684.55 7199.08  680.55 7531.31  664.85
  7575.1  664.21 7716.44  657.22 7984.42  633.29  7997.3  631.77 8155.18  626.05
 8281.99   625.1 8514.46   628.3 8674.23  627.11 8841.62  620.95 9011.85  618.36
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 9143.72  602.26 9159.47  602.14 9241.47  597.22 9395.33  589.84 9447.74  589.84
 9486.16  592.08 9602.07  621.47  9700.5  627.2210055.11  625.1310199.74  616.73
10250.79  608.8910445.41  607.7410676.18  621.4610950.79  619.8411531.55  617.38
12869.05  617.3813089.19  609.8413655.09  609.8414090.45   612.3 14145.4  614.76
14414.28  612.9914420.66   605.4 14518.2  604.1515120.95  590.5715634.08  584.92
15672.64  581.1615808.41   576.615843.44  572.9615898.56  567.9316292.83  567.93
16356.73  573.1916417.98  584.9216507.61  609.5716526.81  612.2316767.72  641.02
17212.43  646.4117652.31  649.7419786.23   647.719902.68   647.720134.61  648.06
20488.25  641.0721485.05  642.6221745.15  645.0823438.52  647.5423824.94  648.71
24252.56  652.4624909.89  661.1625136.23  662.4626262.42  662.4626904.43  654.92
27181.14  654.92 27761.2  652.4628001.39  651.0328174.75   651.228316.23  649.72
28466.41  650.7628763.51  655.2929088.62  658.1530198.25  682.8530869.48  684.11
31847.59  738.7331991.78    73932615.28  694.9332650.35     69534260.72  758.34
   35315  753.9835514.54  754.5335870.12  772.7335912.02   773.136221.82  768.28
36556.95  778.7636716.71  780.16 37499.2     79038202.39  791.6438557.01     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515634.08     .1516417.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15634.0816417.98                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.94    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1494411.00   147222.20   1684758.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1494411.00   147222.20   1684758.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3128238.00   455967.70   3145795.00
  Top Width (ft)          34329.07    Top Width (ft)          14342.84     783.90   19202.33
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.09       3.10       1.87
  Max Chl Dpth (ft)         192.01    Hydr. Depth (ft)          104.19     187.81      87.74
  Conv. Total (cfs)       704736300.0    Conv. (cfs)            327575400.0   47746940.0   329413900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14357.01     785.91   19212.62
  Min Ch El (ft)            567.93    Shear (lb/sq ft)            0.59       1.07       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.24       3.30       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    147691.50   24003.03   175394.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1357.75     117.57    1658.74


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276166.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  180.11  793.44  585.98  779.29 1234.52  762.09 1397.72  755.92
 1658.35  748.44  1811.2  747.53 2130.82  747.53 2435.94  746.86 3255.42  717.17
 3320.96  713.85 3404.24  712.47 3414.57   712.4 3598.59  718.66 3762.76  717.53
 3893.25  716.34 4033.34  712.72  4375.8  704.51 4793.16  696.33 5103.77  695.44
 5237.43  694.05 5382.86  690.47 5445.44  687.53  5776.9  685.01 6096.23  684.35
 6225.05  685.06 6426.29  680.12 6578.49  677.65  6643.6  675.18 6688.42  675.18
 6825.94   676.9 7024.86  686.93 7082.45  684.51 7200.83  680.52 7533.13  664.86
 7576.94  664.22 7718.31  657.28 7986.36  633.38 7999.24  631.86 8157.16  626.12
    8284  625.18 8516.53  628.39 8676.34  627.21 8843.76  621.02 9014.03  618.44
 9145.94  602.35 9161.69  602.23 9243.71  597.29  9397.6  589.88 9450.03  589.88
 9488.46  592.13  9604.4  621.52 9702.85  627.2910057.55  625.1910202.22   616.8
10253.28  608.9710447.94  607.8210678.77  621.5110953.44  619.8811534.35  617.41
12872.18  617.4113092.37  609.88 13658.4  609.8814093.87  612.3514148.83  614.82
14417.77  613.0414424.16  605.4714521.73  604.2115124.61  590.5915637.87  584.94
15676.57  581.1715812.82  576.6115847.98  572.97 15903.3  567.9316297.81  567.93
16361.88  573.18 16423.3  584.9416512.92  609.5616532.12  612.22   16773  640.99
17217.66  646.38 17657.5   649.719791.19  647.6519907.62  647.6520139.53  648.01
20493.13  641.0321489.82  642.5921749.89  645.0623443.08  647.5323829.46   648.7
24257.04  652.4624914.29  661.1725140.61  662.4726266.68  662.4726908.62  654.94
 27185.3  654.94 27765.3  652.4728005.46  651.04 28178.8   651.228320.26  649.71
28470.43  650.75 28767.5  655.2829092.57  658.1430202.08  682.8230873.24  684.09
31851.25  738.6431995.42  738.9232618.85  694.9132653.92  694.9834264.12  758.25
35318.29  753.91 35517.8  754.4735873.35  772.6635915.24  773.03   36225  768.23
 36560.1  778.7136719.85  780.1237502.25     79038205.37  791.6438559.95     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515637.87     .15 16423.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15637.87 16423.3                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.94    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1494473.00   147502.00   1685097.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1494473.00   147502.00   1685097.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3127135.00   456705.90   3146159.00
  Top Width (ft)          34333.48    Top Width (ft)          14346.57     785.43   19201.48
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.09       3.10       1.87
  Max Chl Dpth (ft)         192.01    Hydr. Depth (ft)          104.17     187.80      87.76
  Conv. Total (cfs)       704912200.0    Conv. (cfs)            327541700.0   47836190.0   329534300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14360.71     787.44   19211.76
  Min Ch El (ft)            567.93    Shear (lb/sq ft)            0.59       1.07       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.24       3.30       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    147519.90   23986.12   175201.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1356.10     117.48    1656.54


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276163.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  180.15  793.44  586.12  779.27 1234.82  762.09 1398.06  755.91
```

```
 1658.75  748.44 1811.64  747.52 2131.34  747.52 2436.53  746.85 3256.21  717.19
 3321.77  713.87 3405.07  712.48  3415.4  712.41 3599.47  718.66 3763.68  717.52
 3894.19  716.32 4034.32   712.7 4376.86   704.5 4794.32  696.32 5105.01  695.42
  5238.7  694.03 5384.17  690.45 5446.76  687.49  5778.3  684.98 6097.71  684.33
 6226.56  685.04 6427.85  680.08 6580.09   677.6 6645.21  675.12 6690.04  675.12
  6827.6  676.85 7026.57  686.88 7084.17  684.46 7202.57  680.49 7534.96  664.87
 7578.77  664.24 7720.19  657.33 7988.29  633.47 8001.18  631.95 8159.14  626.19
 8286.01  625.25 8518.59  628.49 8678.44   627.3 8845.91   621.1 9016.22  618.51
 9148.16  602.44 9163.91  602.32 9245.95  597.36 9399.88  589.92 9452.32  589.92
 9490.76  592.18 9606.73  621.57 9705.21  627.3610059.99  625.2510204.69  616.87
10255.76  609.0510450.47  607.8910681.36  621.55 10956.1  619.9211537.14  617.44
 12875.3  617.4413095.54  609.9213661.72  609.9214097.29   612.414152.26  614.88
14421.27  613.0914427.66  605.5314525.25  604.2815128.28  590.6215641.66  584.96
 15680.5  581.1915817.24  576.6315852.52  572.9815908.03  567.9316302.79  567.93
16367.03  573.1816428.62  584.9616518.22  609.5616537.42  612.2216778.28  640.95
17222.89  646.3417662.68  649.6619796.14   647.619912.56   647.620144.45  647.96
20498.01     64121494.59  642.5621754.63  645.0423447.65  647.5223833.98   648.7
24261.51  652.4524918.69  661.1825144.99  662.4826270.94  662.4826912.81  654.96
27189.46  654.9627769.39  652.4828009.54  651.0428182.85   651.2 28324.3   649.7
28474.45  650.7428771.49  655.2729096.53  658.1430205.92   682.830877.01  684.07
31854.91  738.5631999.06  738.8332622.42  694.8932657.49  694.9634267.52  758.16
35321.57  753.8435521.06  754.4135876.57  772.5935918.46  772.9636228.19  768.18
36563.25  778.6736722.98  780.0837505.29     79038208.34  791.6538562.88     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515641.66     .1516428.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15641.6616428.62                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.94    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1494523.00   147779.10   1685422.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1494523.00   147779.10   1685422.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3126051.00   457435.60   3146514.00
  Top Width (ft)          34337.72    Top Width (ft)          14350.12     786.96   19200.63
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.09       3.10       1.87
  Max Chl Dpth (ft)         192.01    Hydr. Depth (ft)          104.15     187.79      87.78
  Conv. Total (cfs)       705080400.0    Conv. (cfs)            327506300.0   47924060.0   329650100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14364.25     788.97   19210.89
  Min Ch El (ft)            567.93    Shear (lb/sq ft)            0.59       1.07       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.24       3.30       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    147348.40   23969.17   175008.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1354.45     117.39    1654.34


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276160.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  180.19  793.43  586.26  779.26 1235.12  762.09  1398.4   755.9
 1659.16  748.43 1812.08  747.51 2131.86  747.51 2437.12  746.83    3257   717.2
 3322.57  713.88 3405.89  712.49 3416.22  712.42 3600.34  718.65 3764.59  717.51
 3895.13  716.31  4035.3  712.68 4377.92  704.48 4795.49   696.3 5106.24  695.41
 5239.97  694.01 5385.48  690.42 5448.08  687.45  5779.7  684.95 6099.18   684.3
 6228.07  685.02 6429.41  680.04 6581.68  677.55 6646.82  675.06 6691.66  675.06
 6829.26   676.8 7028.27  686.82 7085.88  684.42 7204.32  680.47 7536.79  664.87
 7580.61  664.26 7722.06  657.39 7990.23  633.56 8003.12  632.03 8161.12  626.26
 8288.01  625.32 8520.66  628.58 8680.55   627.4 8848.05  621.18 9018.41  618.59
 9150.37  602.53 9166.14  602.41  9248.2  597.43 9402.16  589.96 9454.61  589.96
 9493.06  592.23 9609.06  621.61 9707.56  627.4310062.43  625.3110207.17  616.94
10258.25  609.1210453.01  607.9610683.95   621.610958.76  619.9611539.94  617.47
12878.42  617.4713098.72  609.9613665.03  609.9614100.71  612.45 14155.7  614.94
14424.77  613.1414431.15  605.5914528.77  604.3415131.95  590.6515645.46  584.98
15684.43   581.215821.65  576.6515857.05  572.9915912.77  567.9316307.77  567.93
16372.18  573.1716433.93  584.9816523.53  609.5616542.73  612.2216783.56  640.91
17228.13  646.3117667.87  649.6119801.09  647.55 19917.5  647.5520149.36  647.91
20502.89  640.9621499.36  642.5321759.38  645.0223452.21  647.51 23838.5  648.69
24265.98  652.45 24923.1  661.1925149.37  662.49 26275.2  662.4926916.99  654.98
27193.62  654.9827773.49  652.4928013.61  651.0428186.91   651.228328.34  649.68
28478.47  650.7228775.48  655.2629100.48  658.1330209.75  682.7730880.77  684.04
31858.56  738.47 32002.7  738.74   32626  694.8732661.06  694.9434270.91  758.08
35324.86  753.7735524.32  754.34 35879.8  772.5235921.68  772.8936231.38  768.13
 36566.4  778.6236726.11  780.0437508.34     79038211.32  791.6638565.82     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515645.46     .1516433.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15645.4616433.93                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.94    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1494597.00   148054.60   1685783.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1494597.00   148054.60   1685783.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3124966.00   458151.10   3146883.00
  Top Width (ft)          34342.10    Top Width (ft)          14353.69     788.47   19199.94
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.09       3.09       1.87
  Max Chl Dpth (ft)         192.01    Hydr. Depth (ft)          104.13     187.77      87.80
  Conv. Total (cfs)       705266900.0    Conv. (cfs)            327479200.0   48011710.0   329776000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14367.81     790.48   19210.18
  Min Ch El (ft)            567.93    Shear (lb/sq ft)            0.59       1.06       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.24       3.29       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    147176.80   23952.19   174814.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1352.81     117.30    1652.13


CROSS SECTION
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RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276157.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  180.24  793.43   586.4  779.25 1235.42  762.08 1398.74  755.89
 1659.56  748.42 1812.52   747.5 2132.37   747.5 2437.71  746.82 3257.79  717.22
 3323.38   713.9 3406.72   712.5 3417.05  712.43 3601.21  718.64  3765.5   717.5
 3896.08  716.29 4036.28  712.66 4378.98  704.46 4796.65  696.29 5107.48  695.39
 5241.24  693.99 5386.78  690.39  5449.4  687.42  5781.1  684.91 6100.66  684.28
 6229.58     685 6430.97     680 6583.28   677.5 6648.44     675 6693.28     675
 6830.91  676.75 7029.97  686.77  7087.6  684.37 7206.07  680.44 7538.62  664.88
 7582.45  664.27 7723.93  657.45 7992.17  633.64 8005.06  632.12  8163.1  626.33
 8290.02   625.4 8522.72  628.68 8682.65   627.5  8850.2  621.26 9020.59  618.66
 9152.59  602.62 9168.36   602.5 9250.44   597.5 9404.44     590 9456.91     590
 9495.36  592.28 9611.39  621.66 9709.91   627.510064.87  625.3710209.64  617.01
10260.74   609.210455.54  608.0310686.54  621.6510961.41     62011542.74   617.5
12881.54   617.5 13101.9     61013668.34     61014104.13   612.514159.13     615
14428.27   613.214434.65  605.6514532.29   604.415135.62  590.6715649.25     585
15688.36  581.2115826.06  576.6715861.59  572.99 15917.5  567.9216312.75  567.92
16377.33  573.1716439.25     58516528.84  609.5616548.03  612.2116788.84  640.88
17233.36  646.2717673.05  649.5719806.05   647.519922.45   647.520154.28  647.87
20507.77  640.9321504.13   642.521764.12     64523456.77   647.523843.02  648.69
24270.46  652.45 24927.5  661.2125153.74   662.526279.45   662.526921.18     655
27197.78     65527777.59   652.528017.68  651.0528190.96   651.228332.38  649.67
28482.49  650.7128779.47  655.2629104.43  658.1230213.59  682.7430884.53  684.02
31862.22  738.3832006.34  738.6632629.57  694.8532664.63  694.9234274.31  757.99
35328.14  753.6935527.59  754.2835883.02  772.4535924.89  772.8236234.56  768.09
36569.55  778.5836729.25     78037511.39     79038214.29  791.6638568.75     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515649.25     .1516439.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15649.2516439.25                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.94    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1494659.00   148337.90   1686111.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1494659.00   148337.90   1686111.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3123870.00   458907.10   3147223.00
  Top Width (ft)          34346.51    Top Width (ft)          14357.42     790.00   19199.09
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.09       3.09       1.87
  Max Chl Dpth (ft)         192.02    Hydr. Depth (ft)          104.10     187.77      87.82
  Conv. Total (cfs)       705440800.0    Conv. (cfs)            327445100.0   48102790.0   329892900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14371.53     792.01   19209.32
  Min Ch El (ft)            567.92    Shear (lb/sq ft)            0.59       1.06       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.24       3.29       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    147005.30   23935.18   174621.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1351.16     117.21    1649.93


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276154.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  180.28  793.42   586.54  779.24 1235.72  762.08 1399.07  755.89
 1659.96  748.42 1812.96  747.49 2132.89  747.49  2438.3  746.81 3258.58  717.24
 3324.18  713.91 3407.55  712.51 3417.88  712.44 3602.08  718.64 3766.41  717.49
 3897.02  716.28 4037.26  712.65 4380.04  704.44 4797.81  696.27 5108.72  695.37
 5242.51  693.97 5388.09  690.36 5450.72  687.38  5782.5  684.88 6102.14  684.26
 6231.09  684.98 6432.53  679.96 6584.87  677.45 6650.05  674.94  6694.9  674.94
 6832.57  676.69 7031.68  686.72 7089.32  684.32 7207.81  680.41 7540.44  664.89
 7584.29  664.29  7725.8   657.5 7994.11  633.73    8007  632.21 8165.08   626.4
 8292.03  625.47 8524.79  628.77 8684.76  627.59 8852.34  621.34 9022.78  618.74
 9154.81  602.71 9170.58  602.59 9252.68  597.57 9406.72  590.04  9459.2  590.04
 9497.66  592.33 9613.72  621.71 9712.27  627.5710067.31  625.4310212.12  617.07
10263.23  609.2810458.08   608.110689.13  621.6910964.07  620.0411545.54  617.53
12884.67  617.5313105.07  610.0413671.66  610.0414107.54  612.5514162.56  615.06
14431.76  613.2514438.15  605.7214535.82  604.4615139.29   590.715653.04  585.02
15692.29  581.2215830.48  576.6815866.13     57315922.23  567.9216317.73  567.92
16382.48  573.1616444.57  585.0216534.15  609.5616553.34  612.2116794.12  640.84
17238.59  646.2417678.23  649.53   19811  647.4519927.39  647.45 20159.2  647.82
20512.65  640.8921508.91  642.4721768.87  644.9823461.33  647.4923847.54  648.68
24274.93  652.44 24931.9  661.2225158.12  662.5126283.71  662.5126925.37  655.02
27201.94  655.0227781.68  652.5128021.75  651.0528195.01  651.1928336.41  649.66
28486.51  650.6928783.46  655.2529108.39  658.1130217.42  682.7130888.29  683.99
31865.88   738.332009.98  738.5732633.15  694.83 32668.2   694.934277.71   757.9
35331.42  753.6235530.85  754.2235886.25  772.3835928.11  772.7636237.75  768.04
 36572.7  778.5336732.38  779.9637514.44     79038217.26  791.6738571.68     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515653.04     .1516444.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15653.0416444.57                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.94    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1494718.00   148617.70   1686470.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1494718.00   148617.70   1686470.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3122758.00   459637.30   3147604.00
  Top Width (ft)          34350.67    Top Width (ft)          14360.89     791.53   19198.25
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.09       3.09       1.87
  Max Chl Dpth (ft)         192.02    Hydr. Depth (ft)          104.08     187.76      87.84
  Conv. Total (cfs)       705626100.0    Conv. (cfs)            327414500.0   48191980.0   330019600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14374.97     793.54   19208.46
  Min Ch El (ft)            567.92    Shear (lb/sq ft)            0.59       1.06       0.50
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  Alpha                        1.05    Stream Power (lb/ft s)      1.23       3.29       0.93
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    146833.70   23918.14   174427.50
  C & E Loss (ft)              0.00    Cum SA (acres)           1349.51     117.12    1647.72


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276151.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  180.32  793.42  586.69  779.22 1236.02  762.08 1399.41  755.88
 1660.36  748.41  1813.4  747.48 2133.41  747.48 2438.89   746.8 3259.37  717.26
 3324.99  713.93 3408.37  712.52 3418.71  712.45 3602.96  718.63 3767.33  717.48
 3897.97  716.26 4038.23  712.63  4381.1  704.42 4798.97  696.26 5109.96  695.35
 5243.78  693.95 5389.39  690.34 5452.04  687.34  5783.9  684.85 6103.62  684.24
  6232.6  684.96 6434.08  679.92 6586.47   677.4 6651.66  674.88 6696.53  674.88
 6834.22  676.64 7033.38  686.66 7091.04  684.28 7209.56  680.38 7542.27  664.89
 7586.13  664.31 7727.67  657.56 7996.04  633.82 8008.94   632.3 8167.05  626.48
 8294.04  625.54 8526.85  628.87 8686.86  627.69 8854.49  621.42 9024.97  618.81
 9157.03   602.8  9172.8  602.68 9254.92  597.64    9409  590.08 9461.49  590.08
 9499.96  592.38 9616.05  621.75 9714.62  627.6410069.75   625.510214.59  617.14
10265.71  609.3510460.61  608.1810691.72  621.7410966.73  620.0811548.33  617.56
12887.79  617.5613108.25  610.0813674.97  610.0814110.96   612.614165.99  615.12
14435.26   613.314441.65  605.7814539.34  604.5215142.96  590.7215656.84  585.04
15696.22  581.2315834.89   576.715870.67  573.0115926.97  567.9216322.71  567.92
16387.63  573.1616449.88  585.0416539.45  609.5616558.64  612.21 16799.4  640.81
17243.82   646.217683.42  649.4919815.96   647.419932.33   647.420164.11  647.77
20517.53  640.8521513.68  642.4421773.61  644.9623465.89  647.4823852.06  648.68
24279.41  652.4424936.31  661.23 25162.5  662.5226287.97  662.5226929.56  655.04
 27206.1  655.0427785.78  652.5228025.82  651.0628199.06  651.1928340.45  649.65
28490.54  650.6828787.45  655.2429112.34  658.1130221.25  682.6830892.05  683.97
31869.54  738.2132013.62  738.4932636.72  694.8132671.77  694.8834281.11  757.81
35334.71  753.5535534.11  754.1535889.47  772.3135931.34  772.6936240.93  767.99
36575.85  778.4836735.51  779.9237517.49     79038220.23  791.6838574.62     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515656.84     .1516449.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15656.8416449.88                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             760.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.94    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                       Flow Area (sq ft)       1494778.00   148892.40   1686803.00
  E.G. Slope (ft/ft)       0.000091    Area (sq ft)            1494778.00   148892.40   1686803.00
  Q Total (cfs)            6730000.00    Flow (cfs)              3121691.00   460357.20   3147952.00
  Top Width (ft)           34355.04    Top Width (ft)          14364.45     793.04   19197.55
  Vel Total (ft/s)             2.02    Avg. Vel. (ft/s)            2.09       3.09       1.87
  Max Chl Dpth (ft)          192.02    Hydr. Depth (ft)          104.06     187.75      87.87
  Conv. Total (cfs)        705798600.0    Conv. (cfs)            327382600.0   48279270.0   330136700.0
  Length Wtd. (ft)             5.00    Wetted Per. (ft)        14378.52     795.05   19207.74
  Min Ch El (ft)             567.92    Shear (lb/sq ft)            0.59       1.06       0.50
  Alpha                        1.05    Stream Power (lb/ft s)      1.23       3.29       0.93
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    146662.10   23901.06   174233.90
  C & E Loss (ft)              0.00    Cum SA (acres)           1347.86     117.03    1645.52


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276148.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  180.37  793.41  586.83  779.21 1236.32  762.08 1399.75  755.87
 1660.77  748.41 1813.84  747.47 2133.92  747.47 2439.48  746.78 3260.16  717.27
 3325.79  713.95  3409.2  712.53 3419.54  712.46 3603.83  718.63 3768.24  717.47
 3898.91  716.25 4039.21  712.61 4382.17   704.4 4800.14  696.24  5111.2  695.33
 5245.05  693.93  5390.7  690.31 5453.36  687.31  5785.3  684.81  6105.1  684.21
 6234.11  684.94 6435.64  679.88 6588.07  677.35 6653.27  674.82 6698.15  674.82
 6835.88  676.59 7035.09  686.61 7092.76  684.23 7211.31  680.36  7544.1   664.9
 7587.96  664.33 7729.55  657.62 7997.98  633.91 8010.88  632.39 8169.03  626.55
 8296.05  625.61 8528.92  628.96 8688.96  627.79 8856.63  621.49 9027.15  618.89
 9159.25   602.9 9175.03  602.77 9257.16  597.71 9411.28  590.12 9463.78  590.12
 9502.27  592.43 9618.38   621.8 9716.97  627.7110072.19  625.5610217.07  617.21
 10268.2  609.4310463.15  608.2510694.31  621.7910969.38  620.1211551.13  617.59
12890.91  617.5913111.42  610.1213678.28  610.1214114.38  612.6514169.42  615.18
14438.76  613.3614445.15  605.8414542.86  604.5815146.62  590.7515660.63  585.06
15700.15  581.24 15839.3  576.7215875.21  573.02 15931.7  567.9216327.69  567.92
16392.79  573.16 16455.2  585.0616544.76  609.5516563.95  612.2116804.68  640.77
17249.05  646.17 17688.6  649.4519820.91  647.3519937.27  647.3520169.03  647.72
 20522.4  640.8221518.45  642.4121778.36  644.9423470.46  647.4723856.58  648.67
24283.88  652.4424940.71  661.2425166.88  662.5326292.22  662.5326933.75  655.06
27210.26  655.0627789.88  652.5328029.89  651.0628203.11  651.1928344.48  649.63
28494.55  650.6628791.43  655.2429116.29   658.130225.09  682.6530895.82  683.95
31873.19  738.1232017.27   738.432640.29  694.7932675.34  694.85 34284.5  757.72
35337.99  753.4835537.38  754.09 35892.7  772.2435934.55  772.6236244.12  767.94
   36579  778.4436738.64  779.8837520.54     79038223.21  791.6838577.55     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515660.63     .15 16455.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15660.63 16455.2                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             760.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.94    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                       Flow Area (sq ft)       1494843.00   149170.30   1687153.00
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  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1494843.00   149170.30   1687153.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3120598.00   461080.40   3148321.00
  Top Width (ft)          34359.30    Top Width (ft)          14368.01     794.57   19196.72
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.09       3.09       1.87
  Max Chl Dpth (ft)         192.02    Hydr. Depth (ft)          104.04     187.74      87.89
  Conv. Total (cfs)       705980400.0    Conv. (cfs)             327352300.0   48367570.0   330260500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14382.07     796.58   19206.88
  Min Ch El (ft)            567.92    Shear (lb/sq ft)            0.59       1.06       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.23       3.28       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    146490.60   23883.96   174040.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1346.21     116.94    1643.32


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276145.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  180.41  793.41  586.97   779.2 1236.62  762.07 1400.09  755.86
 1661.17   748.4 1814.27  747.46 2134.44  747.46 2440.07  746.77 3260.95  717.29
  3326.6  713.96 3410.02  712.54 3420.37  712.47  3604.7  718.62 3769.15  717.46
 3899.86  716.24 4040.19   712.6 4383.23  704.38  4801.3  696.23 5112.43  695.31
 5246.32  693.92    5392  690.28 5454.68  687.27 5786.71  684.78 6106.58  684.19
 6235.62  684.92  6437.2  679.84 6589.66   677.3 6654.88  674.76 6699.77  674.76
 6837.53  676.53 7036.79  686.56 7094.47  684.19 7213.05  680.33 7545.92  664.91
  7589.8  664.34 7731.42  657.67 7999.92     634 8012.82  632.48 8171.01  626.62
 8298.06  625.69 8530.99  629.06 8691.07  627.88 8858.78  621.57 9029.34  618.96
 9161.46  602.99 9177.25  602.86 9259.41  597.78 9413.56  590.16 9466.08  590.16
 9504.57  592.48 9620.71  621.85 9719.33  627.7810074.63  625.6210219.54  617.28
10270.69  609.5110465.68  608.32 10696.9  621.8310972.04  620.1611553.93  617.62
12894.03  617.62 13114.6  610.1613681.59  610.16 14117.8   612.714172.85  615.24
14442.25  613.4114448.65   605.914546.38  604.6415150.29  590.7715664.42  585.08
15704.08  581.2615843.72  576.7415879.74  573.0315936.44  567.9216332.67  567.92
16397.94  573.1516460.52  585.0816550.07  609.5516569.25   612.216809.96  640.73
17254.29  646.1317693.79  649.4119825.87   647.319942.21   647.320173.95  647.67
20527.28  640.7821523.22  642.38 21783.1  644.9223475.02  647.46 23861.1  648.67
24288.36  652.4324945.12  661.2525171.26  662.5426296.48  662.5426937.94  655.08
27214.42  655.0827793.97  652.5428033.96  651.0628207.17  651.1928348.52  649.62
28498.58  650.6528795.42  655.2329120.25  658.0930228.92  682.6230899.58  683.92
31876.85  738.0432020.91  738.3232643.87  694.7732678.91  694.83 34287.9  757.64
35341.27  753.4135540.64  754.0335895.92  772.1735937.77  772.5536247.31   767.9
36582.15  778.3936741.78  779.8437523.59     79038226.18  791.6938580.49     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515664.42     .1516460.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15664.4216460.52                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.94    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1494906.00   149448.20   1687492.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1494906.00   149448.20   1687492.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3119506.00   461806.60   3148688.00
  Top Width (ft)          34363.71    Top Width (ft)          14371.74     796.10   19195.88
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.09       3.09       1.87
  Max Chl Dpth (ft)         192.02    Hydr. Depth (ft)          104.02     187.73      87.91
  Conv. Total (cfs)       706155800.0    Conv. (cfs)             327319000.0   48455780.0   330381000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14385.78     798.11   19206.02
  Min Ch El (ft)            567.92    Shear (lb/sq ft)            0.59       1.06       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.23       3.28       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    146319.00   23866.82   173846.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1344.56     116.84    1641.11


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276142.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  180.45   793.4  587.11  779.19 1236.92  762.07 1400.43  755.85
 1661.57  748.39 1814.71  747.45 2134.96  747.45 2440.66  746.76 3261.74  717.31
  3327.4  713.98 3410.85  712.55 3421.19  712.48 3605.58  718.62 3770.06  717.45
  3900.8  716.22 4041.17  712.58 4384.29  704.36 4802.46  696.21 5113.67   695.3
 5247.59   693.9 5393.31  690.25    5456  687.24 5788.11  684.75 6108.06  684.17
 6237.13   684.9 6438.76   679.8 6591.26  677.25 6656.49   674.7 6701.39   674.7
 6839.19  676.48 7038.49   686.5 7096.19  684.14  7214.8   680.3 7547.75  664.91
 7591.64  664.36 7733.29  657.73 8001.85  634.09 8014.76  632.57 8172.99  626.69
 8300.07  625.76 8533.05  629.15 8693.17  627.98 8860.92  621.65 9031.53  619.03
 9163.68  603.08 9179.47  602.95 9261.65  597.85 9415.84   590.2 9468.37   590.2
 9506.87  592.53 9623.04  621.89 9721.68  627.8510077.07  625.6810222.02  617.35
10273.17  609.5810468.21  608.3910699.49  621.88 10974.7   620.211556.73  617.65
12897.15  617.6513117.77   610.213684.91   610.214121.22  612.7514176.29   615.3
14445.75  613.4614452.15  605.97 14549.9   604.715153.96   590.815668.21   585.1
15708.01  581.2715848.13  576.7615884.28  573.0415941.17  567.9216337.64  567.92
16403.09  573.1516465.84   585.116555.38  609.5516574.56   612.216815.24   640.7
17259.52   646.117698.97  649.3619830.82  647.2519947.16  647.2520178.87  647.62
20532.16  640.7421527.99  642.3521787.84   644.923479.58  647.4523865.62  648.66
24292.83  652.4324949.52  661.2625175.64  662.5526300.74  662.5526942.13   655.1
27218.57   655.127798.07  652.5528038.03  651.0728211.22  651.1928352.56  649.61
 28502.6  650.6428799.41  655.22 29124.2  658.0830232.76  682.5930903.34   683.9
31880.51  737.9532024.55  738.2332647.44  694.7532682.48  694.81 34291.3  757.55
35344.56  753.34 35543.9  753.9635899.14   772.135940.99  772.4836250.49  767.85
 36585.3  778.3536744.91   779.837526.63     79038229.15   791.738583.43     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515668.21     .1516465.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      15668.2116465.84                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.94    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1494965.00   149726.30   1687848.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1494965.00   149726.30   1687848.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3118403.00   462530.00   3149067.00
  Top Width (ft)          34368.09    Top Width (ft)          14375.29     797.63   19195.16
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.09       3.09       1.87
  Max Chl Dpth (ft)         192.02    Hydr. Depth (ft)          104.00     187.71      87.93
  Conv. Total (cfs)       706336800.0    Conv. (cfs)            327287100.0   48544120.0   330505500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14389.31     799.64   19205.29
  Min Ch El (ft)            567.92    Shear (lb/sq ft)            0.59       1.06       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.23       3.28       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    146147.40   23849.65   173652.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1342.91     116.75    1638.91


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276140.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   180.5   793.4  587.26  779.18 1237.22  762.07 1400.77  755.85
 1661.97  748.39 1815.15  747.44 2135.47  747.44 2441.26  746.75 3262.53  717.32
 3328.21  713.99 3411.67  712.56 3422.02  712.49 3606.45  718.61 3770.98  717.44
 3901.74  716.21 4042.15  712.56 4385.35  704.34 4803.62   696.2 5114.91  695.28
 5248.86  693.88 5394.61  690.23 5457.32   687.2 5789.51  684.71 6109.54  684.14
 6238.64  684.88 6440.32  679.76 6592.85   677.2  6658.1  674.64 6703.02  674.64
 6840.85  676.43  7040.2  686.45 7097.91   684.1 7216.55  680.27 7549.58  664.92
 7593.48  664.38 7735.16  657.79 8003.79  634.17  8016.7  632.65 8174.97  626.76
 8302.08  625.83 8535.12  629.25 8695.28  628.08 8863.07  621.73 9033.71  619.11
  9165.9  603.17 9181.69  603.04 9263.89  597.92 9418.12  590.24 9470.66  590.24
 9509.17  592.57 9625.37  621.94 9724.03  627.9210079.51  625.7410224.49  617.41
10275.66  609.6610470.75  608.4610702.08  621.9310977.35  620.2411559.53  617.68
12900.28  617.6813120.95  610.2413688.22  610.2414124.64   612.814179.72  615.36
14449.25  613.5114455.64  606.0314553.43  604.7615157.63  590.8315672.01  585.12
15711.94  581.2815852.54  576.7715888.82  573.05 15945.9  567.9216342.62  567.92
16408.24  573.1416471.15  585.1216560.68  609.5516579.86   612.216820.52  640.66
17264.75  646.0617704.15  649.3219835.78   647.2 19952.1   647.220183.78  647.58
20537.04  640.7121532.77  642.3221792.59  644.8823484.14  647.4423870.14  648.66
 24297.3  652.4324953.92  661.2825180.02  662.56   26305  662.5626946.32  655.12
27222.73  655.1227802.17  652.56 28042.1  651.0728215.27  651.19 28356.6  649.59
28506.62  650.62 28803.4  655.2229128.15  658.0830236.59  682.56 30907.1  683.87
31884.16  737.8732028.19  738.1532651.02  694.7332686.05  694.79 34294.7  757.46
35347.84  753.2635547.16   753.935902.37  772.0335944.21  772.4136253.68   767.8
36588.45   778.336748.05  779.7637529.68     79038232.13   791.738586.36     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515672.01    .1516471.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15672.0116471.15                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.94    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1495027.00   150002.50   1688180.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1495027.00   150002.50   1688180.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3117340.00   463253.30   3149407.00
  Top Width (ft)          34372.24    Top Width (ft)          14378.77     799.14   19194.33
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.09       3.09       1.87
  Max Chl Dpth (ft)         192.02    Hydr. Depth (ft)          103.97     187.70      87.95
  Conv. Total (cfs)       706513000.0    Conv. (cfs)            327257200.0   48632170.0   330623600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14392.78     801.16   19204.45
  Min Ch El (ft)            567.92    Shear (lb/sq ft)            0.59       1.06       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.23       3.28       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    145975.80   23832.45   173459.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1341.26     116.66    1636.71


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276137.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   180.54   793.4   587.4  779.16 1237.52  762.06 1401.11  755.84
 1662.37  748.38 1815.59  747.43 2135.99  747.43 2441.85  746.73 3263.32  717.34
 3329.02  714.01  3412.5  712.57 3422.85   712.5 3607.32  718.61 3771.89  717.43
 3902.69  716.19 4043.13  712.55 4386.41  704.32 4804.79  696.19 5116.15  695.26
 5250.13  693.86 5395.92   690.2 5458.64  687.16 5790.91  684.68 6111.01  684.12
 6240.15  684.86 6441.88  679.72 6594.45  677.15 6659.71  674.58 6704.64  674.58
  6842.5  676.37  7041.9   686.4 7099.63  684.05 7218.29  680.25 7551.41  664.93
 7595.32  664.39 7737.03  657.84 8005.73  634.26 8018.64  632.74 8176.95  626.83
 8304.09  625.91 8537.18  629.34 8697.38  628.17 8865.21  621.81  9035.9  619.18
 9168.12  603.26 9183.91  603.13 9266.13  597.99  9420.4  590.28 9472.95  590.28
 9511.47  592.62  9627.7  621.99 9726.39  627.9910081.95   625.810226.96  617.48
10278.15  609.7410473.28  608.5410704.67  621.9710980.01  620.2811562.32  617.71
 12903.4  617.7113124.12  610.2813691.53  610.2814128.06  612.8514183.15  615.42
14452.75  613.5714459.14  606.0914556.95  604.82 15161.3  590.85 15675.8  585.14
15715.87  581.2915856.96  576.7915893.36  573.0615950.64  567.92 16347.6  567.92
16413.39  573.1416476.47  585.1416565.99  609.5516585.17  612.19 16825.8  640.62
17269.98  646.0317709.34  649.2819840.73  647.1519957.04  647.15 20188.7  647.53
20541.92  640.6721537.54  642.2921797.33  644.86 23488.7  647.4323874.66  648.65
24301.78  652.4224958.32  661.29 25184.4  662.5726309.26  662.57 26950.5  655.14
27226.89  655.1427806.26  652.5728046.17  651.0828219.32  651.1828360.63  649.58
28510.64  650.6128807.39  655.2129132.11  658.0730240.43  682.5330910.87  683.85
31887.82  737.7832031.83  738.0632654.59   694.732689.62  694.7734298.09  757.37
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35351.12  753.1935550.42  753.8435905.59  771.9635947.43  772.3436256.87  767.75
 36591.6  778.2636751.18  779.7237532.73     790 38235.1  791.71 38589.3     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 15675.8     .1516476.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       15675.816476.47                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.94    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1495092.00   150280.50   1688536.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1495092.00   150280.50   1688536.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3116227.00   463974.90   3149798.00
  Top Width (ft)          34376.66    Top Width (ft)          14382.50     800.67   19193.49
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.08       3.09       1.87
  Max Chl Dpth (ft)         192.02    Hydr. Depth (ft)          103.95     187.69      87.97
  Conv. Total (cfs)       706694800.0    Conv. (cfs)            327224600.0   48720460.0   330749800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14396.50     802.69   19203.59
  Min Ch El (ft)            567.92    Shear (lb/sq ft)            0.59       1.06       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.23       3.27       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    145804.20   23815.21   173265.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1339.61     116.57    1634.50


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276134.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  180.59  793.39  587.54  779.15 1237.82  762.06 1401.45  755.83
 1662.78  748.37 1816.03  747.42 2136.51  747.42 2442.44  746.72 3264.11  717.36
 3329.82  714.02 3413.33  712.58 3423.68  712.51 3608.19   718.6  3772.8  717.42
 3903.63  716.18  4044.1  712.53 4387.47   704.3 4805.95  696.17 5117.39  695.24
  5251.4  693.84 5397.23  690.17 5459.96  687.13 5792.31  684.65 6112.49   684.1
 6241.66  684.84 6443.44  679.68 6596.04   677.1 6661.33  674.52 6706.26  674.52
 6844.16  676.32  7043.6  686.35 7101.35     684 7220.04  680.22 7553.23  664.93
 7597.15  664.41 7738.91   657.9 8007.67  634.35 8020.58  632.83 8178.93  626.91
  8306.1  625.98 8539.25  629.44 8699.49  628.27 8867.36  621.89 9038.08  619.26
 9170.34  603.35 9186.14  603.22 9268.37  598.06 9422.68  590.32 9475.24  590.32
 9513.77  592.67 9630.03  622.03 9728.74  628.0610084.39  625.8610229.44  617.55
10280.63  609.8110475.82  608.6110707.26  622.0210982.67  620.3211565.12  617.74
12906.52  617.74 13127.3  610.3213694.85  610.3214131.47   612.914186.58  615.48
14456.24  613.6214462.64  606.1614560.47  604.8815164.97  590.8815679.59  585.16
 15719.8   581.315861.37  576.8115897.89  573.0715955.37  567.9216352.58  567.92
16418.54  573.1316481.79  585.16 16571.3  609.5416590.47  612.1916831.08  640.59
17275.21  645.9917714.52  649.2419845.69   647.119961.98   647.120193.62  647.48
 20546.8  640.6321542.31  642.2621802.07  644.8423493.26  647.4223879.18  648.64
24306.25  652.4224962.73   661.325188.78  662.5826313.51  662.5826954.69  655.16
27231.05  655.1627810.36  652.5828050.24  651.0828223.37  651.1828364.67  649.57
28514.66  650.5928811.38   655.229136.06  658.0630244.26  682.5130914.63  683.83
31891.48  737.6932035.47  737.9832658.17  694.6832693.19  694.7534301.49  757.28
35354.41  753.1235553.69  753.7835908.82  771.8935950.65  772.2736260.05  767.71
36594.75  778.2136754.31  779.6837535.78     79038238.07  791.7238592.23     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515679.59     .1516481.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15679.5916481.79                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.94    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1495148.00   150558.90   1688874.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1495148.00   150558.90   1688874.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3115140.00   464702.70   3150158.00
  Top Width (ft)          34380.92    Top Width (ft)          14386.05     802.20   19192.67
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.08       3.09       1.87
  Max Chl Dpth (ft)         192.02    Hydr. Depth (ft)          103.93     187.68      88.00
  Conv. Total (cfs)       706870100.0    Conv. (cfs)            327191600.0   48808980.0   330869600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14400.03     804.22   19202.75
  Min Ch El (ft)            567.92    Shear (lb/sq ft)            0.59       1.06       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.22       3.27       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    145632.50   23797.95   173071.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1337.96     116.48    1632.30


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276131.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  180.63  793.39  587.68  779.14 1238.12  762.06 1401.79  755.82
 1663.18  748.37 1816.47  747.41 2137.02  747.41 2443.03  746.71  3264.9  717.37
 3330.63  714.04 3414.15  712.59 3424.51  712.52 3609.07   718.6 3773.71  717.41
 3904.58  716.16 4045.08  712.51 4388.53  704.28 4807.11  696.16 5118.62  695.22
 5252.67  693.82 5398.53  690.15 5461.29  687.09 5793.71  684.61 6113.97  684.08
 6243.17  684.82    6445  679.64 6597.64  677.05 6662.94  674.46 6707.88  674.46
 6845.81  676.27 7045.31  686.29 7103.06  683.96 7221.79  680.19 7555.06  664.94
 7598.99  664.43 7740.78  657.96  8009.6  634.44 8022.52  632.92  8180.9  626.98
 8308.11  626.05 8541.31  629.53 8701.59  628.37  8869.5  621.96 9040.27  619.33
 9172.56  603.44 9188.36  603.31 9270.62  598.13 9424.96  590.36 9477.54  590.36
 9516.07  592.72 9632.36  622.08 9731.09  628.1310086.83  625.9310231.91  617.62
10283.12  609.8910478.35  608.6810709.85  622.0710985.32  620.3611567.92  617.77
12909.64  617.7713130.48  610.3613698.16  610.3614134.89  612.9514190.01  615.54
14459.74  613.6714466.14  606.2214563.99  604.9415168.64   590.915683.39  585.18
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15723.73  581.3215865.78  576.8315902.43  573.0815960.11  567.9216357.56  567.92
 16423.7  573.13 16487.1  585.1816576.61  609.5416595.78  612.1916836.36  640.55
17280.44  645.9617719.71   649.219850.64  647.0519966.92  647.0520198.53  647.43
20551.68   640.621547.08  642.2321806.82  644.8223497.82  647.41 23883.7  648.64
24310.72  652.4224967.13  661.3125193.16  662.5926317.77  662.5926958.88  655.18
27235.21  655.1827814.46  652.5928054.31  651.0928227.43  651.1828368.71  649.56
28518.68  650.5828815.37  655.1929140.02  658.05 30248.1  682.4830918.39   683.8
31895.13  737.6132039.12  737.8932661.74  694.6632696.76  694.7334304.89   757.2
35357.69  753.0535556.95  753.7135912.04  771.8235953.87  772.2136263.24  767.66
 36597.9  778.1636757.45  779.6437538.83     79038241.05  791.7238595.16     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515683.39     .15 16487.1     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15683.39 16487.1                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.94    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1495214.00   150832.60   1689200.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1495214.00   150832.60   1689200.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3114099.00   465415.30   3150486.00
  Top Width (ft)          34385.29    Top Width (ft)          14389.61     803.71   19191.97
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.08       3.09       1.87
  Max Chl Dpth (ft)         192.02    Hydr. Depth (ft)          103.91     187.67      88.02
  Conv. Total (cfs)       707042200.0    Conv. (cfs)            327161900.0   48895730.0   330984600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14403.58     805.73   19202.03
  Min Ch El (ft)            567.92    Shear (lb/sq ft)            0.59       1.06       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.22       3.27       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    145460.90   23780.65   172877.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1336.31     116.39    1630.10


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276128.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  180.67  793.38  587.82  779.13 1238.42  762.06 1402.13  755.82
 1663.58  748.36 1816.91   747.4 2137.54   747.4 2443.62  746.69 3265.69  717.39
 3331.43  714.06 3414.98   712.6 3425.33  712.53 3609.94  718.59 3774.63   717.4
 3905.52  716.15 4046.06   712.5 4389.59  704.26 4808.27  696.14 5119.86   695.2
 5253.94   693.8 5399.84  690.12 5462.61  687.05 5795.11  684.58 6115.45  684.05
 6244.68   684.8 6446.55   679.6 6599.24     677 6664.55   674.4 6709.51   674.4
 6847.47  676.21 7047.01  686.24 7104.78  683.91 7223.53  680.17 7556.89  664.95
 7600.83  664.45 7742.65  658.01 8011.54  634.53 8024.46  633.01 8182.88  627.05
 8310.12  626.12 8543.38  629.63  8703.7  628.46 8871.65  622.04 9042.46  619.41
 9174.78  603.53 9190.58   603.4 9272.86   598.2 9427.24   590.4 9479.83   590.4
 9518.38  592.77 9634.69  622.13 9733.45   628.210089.27  625.9910234.39  617.69
10285.61  609.9710480.88  608.7510712.44  622.1110987.98   620.411570.72   617.8
12912.77   617.813133.65   610.413701.47   610.414138.31    61314193.45   615.6
14463.24  613.7214469.64  606.2814567.52  605.01 15172.3  590.9315687.18   585.2
15727.66  581.33 15870.2  576.8415906.97  573.0915964.84  567.9116362.54  567.91
16428.85  573.1316492.42   585.216581.91  609.5416601.08  612.1816841.64  640.51
17285.67  645.9217724.89  649.16 19855.6     64719971.87     64720203.45  647.38
20556.56  640.5621551.85   642.221811.56   644.823502.39   647.423888.22  648.63
 24315.2  652.4124971.54  661.3225197.54   662.626322.03   662.626963.07   655.2
27239.37   655.227818.55   652.628058.38  651.0928231.48  651.1828372.74  649.54
 28522.7  650.5728819.36  655.1929143.97  658.0530251.93  682.4530922.15  683.78
31898.79  737.5232042.76  737.8132665.31  694.6432700.33  694.7134308.29  757.11
35360.98  752.9835560.21  753.6535915.26  771.7535957.09  772.1436266.43  767.61
36601.05  778.1236760.58   779.637541.88     79038244.02  791.73 38598.1     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515687.18     .1516492.42     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15687.1816492.42                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.94    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1495275.00   151116.10   1689545.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1495275.00   151116.10   1689545.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3113004.00   466162.50   3150833.00
  Top Width (ft)          34389.45    Top Width (ft)          14393.08     805.24   19191.13
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.08       3.08       1.86
  Max Chl Dpth (ft)         192.03    Hydr. Depth (ft)          103.89     187.67      88.04
  Conv. Total (cfs)       707225500.0    Conv. (cfs)            327131600.0   48986920.0   331106900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14407.03     807.26   19201.18
  Min Ch El (ft)            567.91    Shear (lb/sq ft)            0.59       1.06       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.22       3.26       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    145289.30   23763.32   172683.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1334.66     116.29    1627.90


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276125.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  180.72  793.38  587.97  779.11 1238.72  762.05 1402.46  755.81
 1663.98  748.35 1817.35  747.39 2138.06  747.39 2444.21  746.68 3266.48  717.41
 3332.24  714.07  3415.8  712.61 3426.16  712.53 3610.81  718.59 3775.54  717.39
 3906.47  716.13 4047.04  712.48 4390.66  704.24 4809.44  696.13  5121.1  695.18
 5255.21  693.78 5401.14  690.09 5463.93  687.02 5796.51  684.55 6116.93  684.03
 6246.19  684.78 6448.11  679.56 6600.83  676.95 6666.16  674.34 6711.13  674.34
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 6849.12  676.16 7048.72  686.19  7106.5  683.87 7225.28  680.14 7558.72  664.96
 7602.67  664.46 7744.52  658.07 8013.48  634.62  8026.4   633.1 8184.86  627.12
 8312.13   626.2 8545.45  629.72  8705.8  628.56 8873.79  622.12 9044.64  619.48
 9176.99  603.62  9192.8  603.49  9275.1  598.27 9429.52  590.44 9482.12  590.44
 9520.68  592.82 9637.02  622.17  9735.8  628.2710091.71  626.0510236.86  617.75
 10288.1  610.0410483.42  608.8210715.03  622.1610990.64  620.4411573.51  617.83
12915.89  617.8313136.83  610.4413704.78  610.4414141.73  613.0514196.88  615.66
14466.73  613.7814473.14  606.3414571.04  605.0715175.97  590.9615690.97  585.22
15731.59  581.3415874.61  576.8615911.51   573.115969.57  567.9116367.52  567.91
   16434  573.1216497.74  585.2216587.22  609.5416606.39  612.1816846.92  640.48
 17290.9  645.8917730.07  649.1119860.55  646.9519976.81  646.9520208.37  647.33
20561.44  640.5321556.62  642.17 21816.3  644.7823506.95  647.3923892.74  648.63
24319.67  652.4124975.94  661.3325201.91  662.6126326.29  662.6126967.26  655.22
27243.53  655.2227822.65  652.6128062.46  651.0928235.53  651.1828376.78  649.53
28526.72  650.5528823.34  655.1829147.92  658.0430255.76  682.4230925.91  683.75
31902.45  737.43 32046.4  737.7232668.89  694.62 32703.9  694.6934311.68  757.02
35364.26  752.9135563.47  753.5935918.49  771.6835960.31  772.0736269.61  767.56
 36604.2  778.0736763.71  779.5637544.93     79038246.99  791.7438601.04     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515690.97     .1516497.74     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15690.9716497.74                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.94    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1495330.00   151394.80   1689900.00
  E.G. Slope (ft/ft)      0.000091    Area (sq ft)            1495330.00   151394.80   1689900.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3111875.00   466887.80   3151237.00
  Top Width (ft)          34393.88    Top Width (ft)          14396.81     806.77   19190.29
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.08       3.08       1.86
  Max Chl Dpth (ft)         192.03    Hydr. Depth (ft)          103.87     187.66      88.06
  Conv. Total (cfs)       707403500.0    Conv. (cfs)            327095300.0   49075500.0   331232700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14410.75     808.79   19200.32
  Min Ch El (ft)            567.91    Shear (lb/sq ft)            0.59       1.06       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.22       3.26       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    145117.70   23745.96   172489.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1333.01     116.20    1625.69


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276122.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  180.76  793.37  588.11   779.1 1239.02  762.05  1402.8   755.8
 1664.39  748.35 1817.79  747.38 2138.58  747.38  2444.8  746.67 3267.27  717.43
 3333.04  714.09 3416.63  712.62 3426.99  712.54 3611.69  718.58 3776.45  717.38
 3907.41  716.12 4048.02  712.46 4391.72  704.23  4810.6  696.11 5122.34  695.17
 5256.48  693.77 5402.45  690.06 5465.25  686.98 5797.92  684.51 6118.41  684.01
 6247.69  684.76 6449.67  679.52 6602.43   676.9 6667.77  674.28 6712.75  674.28
 6850.78  676.11 7050.42  686.13 7108.22  683.82 7227.03  680.11 7560.54  664.96
  7604.5  664.48  7746.4  658.13 8015.41  634.71 8028.34  633.18 8186.84  627.19
 8314.14  626.27 8547.51  629.82 8707.91  628.66 8875.94   622.2 9046.83  619.56
 9179.21  603.71 9195.03  603.58 9277.34  598.34  9431.8  590.48 9484.41  590.48
 9522.98  592.87 9639.35  622.22 9738.16  628.3410094.14  626.1110239.34  617.82
10290.58  610.1210485.95   608.910717.62  622.2110993.29  620.4811576.31  617.86
12919.01  617.86   13140  610.48 13708.1  610.4814145.15   613.114200.31  615.72
14470.23  613.8314476.64  606.4114574.56  605.1315179.64  590.9815694.77  585.24
15735.52  581.3515879.02  576.8815916.05  573.1115974.31  567.91 16372.5  567.91
16439.15  573.1216503.05  585.2416592.53  609.54 16611.7  612.18 16852.2  640.44
17296.14  645.8517735.26  649.07 19865.5   646.919981.75   646.920213.29  647.28
20566.32  640.49 21561.4  642.1421821.05  644.7623511.51  647.3823897.26  648.62
24324.15  652.4124980.34  661.3525206.29  662.6226330.54  662.6226971.45  655.24
27247.69  655.2427826.75  652.6228066.53   651.128239.58  651.1828380.82  649.52
28530.74  650.5428827.33  655.1729151.88  658.03 30259.6  682.3930929.68  683.73
 31906.1  737.3532050.04  737.6432672.46   694.632707.47  694.6734315.08  756.93
35367.54  752.8335566.73  753.5235921.71  771.6135963.53     772 36272.8  767.51
36607.35  778.0336766.84  779.5237547.98     79038249.96  791.7438603.97     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515694.77     .1516503.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15694.7716503.05                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.94    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1495386.00   151669.20   1690245.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1495386.00   151669.20   1690245.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3110792.00   467601.10   3151607.00
  Top Width (ft)          34398.25    Top Width (ft)          14400.38     808.28   19189.60
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.08       3.08       1.86
  Max Chl Dpth (ft)         192.03    Hydr. Depth (ft)          103.84     187.64      88.08
  Conv. Total (cfs)       707578800.0    Conv. (cfs)            327062400.0   49162650.0   331353700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14414.29     810.30   19199.61
  Min Ch El (ft)            567.91    Shear (lb/sq ft)            0.59       1.06       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.22       3.26       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    144946.00   23728.57   172295.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1331.35     116.11    1623.49


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276119.*

INPUT
Description:
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```
Station Elevation Data     num=      120
      Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev
        0      800   180.8   793.37   588.25   779.09 1239.32   762.05 1403.14   755.79
  1664.79   748.34 1818.23   747.37 2139.09   747.37 2445.39   746.66 3268.06   717.44
  3333.85    714.1 3417.45   712.63 3427.82   712.55 3612.56   718.57 3777.36   717.37
  3908.35    716.1    4049   712.45 4392.78   704.21 4811.76    696.1 5123.58   695.15
  5257.75   693.75 5403.75   690.04 5466.57   686.94 5799.32   684.48 6119.89   683.98
  6249.21   684.74 6451.23   679.48 6604.02   676.85 6669.38   674.22 6714.37   674.22
  6852.44   676.06 7052.12   686.08 7109.93   683.77 7228.77   680.08 7562.37   664.97
  7606.34    664.5 7748.27   658.18 8017.35   634.79 8030.28   633.27 8188.82   627.26
  8316.14   626.34 8549.58   629.91 8710.01   628.75 8878.08   622.28 9049.02   619.63
  9181.43    603.8 9197.25   603.67 9279.58   598.41 9434.08   590.52   9486.7   590.52
  9525.28   592.92 9641.68   622.27 9740.51   628.4110096.58   626.1710241.81   617.89
 10293.07   610.210488.49   608.9710720.21   622.2510995.95   620.5211579.11   617.89
 12922.13   617.8913143.18   610.5213711.41   610.5214148.57   613.1514203.74   615.78
 14473.73   613.8814480.13   606.4714578.08   605.1915183.31   591.0115698.56   585.26
 15739.45   581.3615883.44    576.915920.58   573.1215979.04   567.9116377.48   567.91
  16444.3   573.1116508.37   585.2616597.84   609.54    16617   612.1816857.47    640.4
 17301.37   645.8217740.44   649.0319870.46   646.8519986.69   646.85 20218.2   647.24
  20571.2   640.4521566.17   642.1121825.79   644.7423516.07   647.3723901.78   648.62
 24328.62    652.424984.74   661.3625210.67   662.63 26334.8   662.6326975.64   655.26
 27251.85   655.2627830.84   652.63 28070.6    651.128243.63   651.1828384.85    649.5
 28534.76   650.5228831.32   655.1729155.83   658.0230263.43   682.3630933.44   683.71
 31909.76   737.2632053.68   737.5532676.04   694.5832711.04   694.6534318.48   756.84
 35370.83   752.76    35570   753.4635924.94   771.5435966.75   771.9336275.98   767.47
  36610.5   777.9836769.98   779.4837551.02      79038252.94   791.7538606.91      800

Manning's n Values         num=        3
      Sta    n Val      Sta    n Val      Sta    n Val
        0      .1515698.56      .1516508.37      .15

Bank Sta: Left   Right     Lengths: Left Channel   Right      Coeff Contr.   Expan.
      15698.5616508.37                 5        5        5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.94    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1495454.00   151947.50   1690590.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)             1495454.00   151947.50   1690590.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3109716.00   468321.80   3151962.00
  Top Width (ft)          34402.52    Top Width (ft)           14403.93     809.81   19188.78
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)             2.08       3.08       1.86
  Max Chl Dpth (ft)         192.03    Hydr. Depth (ft)           103.82     187.63      88.10
  Conv. Total (cfs)       707760500.0    Conv. (cfs)             327033300.0   49251070.0   331476100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         14417.84     811.83   19198.76
  Min Ch El (ft)            567.91    Shear (lb/sq ft)             0.59       1.06       0.50
  Alpha                       1.05    Stream Power (lb/ft s)       1.22       3.26       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    144774.40   23711.14   172101.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1329.70     116.02    1621.29


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS        RS: 276116.*

INPUT
Description:
Station Elevation Data     num=      120
      Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev
        0      800   180.85   793.36   588.39   779.08 1239.61   762.05 1403.48   755.78
  1665.19   748.34 1818.67   747.36 2139.61   747.36 2445.98   746.64 3268.85   717.46
  3334.65   714.12 3418.28   712.64 3428.65   712.56 3613.43   718.57 3778.28   717.36
   3909.3   716.09 4049.97   712.43 4393.84   704.19 4812.92   696.08 5124.81   695.13
  5259.02   693.73 5405.06   690.01 5467.89   686.91 5800.72   684.45 6121.36   683.96
  6250.71   684.72 6452.79   679.44 6605.62    676.8    6671   674.16 6715.99   674.16
  6854.09      676 7053.83   686.03 7111.65   683.73 7230.52   680.06   7564.2   664.98
  7608.18   664.51 7750.14   658.24 8019.29   634.88 8032.22   633.36   8190.8   627.33
  8318.15   626.41 8551.64   630.01 8712.11   628.85 8880.23   622.35   9051.2   619.71
  9183.65   603.89 9199.47   603.76 9281.83   598.48 9436.35   590.56     9489   590.56
  9527.58   592.97 9644.01   622.31 9742.86   628.4810099.02   626.2310244.29   617.96
 10295.56   610.2710491.02   609.04 10722.8    622.310998.61   620.5611581.91   617.92
 12925.25   617.9213146.35   610.5613714.72   610.5614151.98    613.214207.17   615.84
 14477.22   613.9414483.63   606.53 14581.6   605.2515186.98   591.0315702.35   585.28
 15743.38   581.3715887.85   576.9215925.12   573.1315983.78   567.9116382.46   567.91
 16449.45   573.1116513.69   585.2816603.14   609.5316622.31   612.1716862.75   640.37
  17306.6   645.7817745.63   648.9919875.41    646.819991.63    646.820223.12   647.19
 20576.07   640.4221570.94   642.0821830.54   644.7223520.63   647.36 23906.3   648.61
  24333.1    652.424989.15   661.3725215.05   662.6426339.06   662.6426979.83   655.28
    27256   655.2827834.94   652.6428074.67   651.1128247.69   651.1728388.89   649.49
 28538.78   650.5128835.31   655.1629159.79   658.0230267.27   682.33 30937.2   683.68
 31913.42   737.1732057.32   737.4632679.61   694.5632714.62   694.6334321.88   756.76
 35374.11   752.6935573.26    753.435928.16   771.4735969.97   771.8636279.17   767.42
 36613.65   777.9436773.11   779.4437554.07      79038255.91   791.7638609.84      800

Manning's n Values         num=        3
      Sta    n Val      Sta    n Val      Sta    n Val
        0      .1515702.35      .1516513.69      .15

Bank Sta: Left   Right     Lengths: Left Channel   Right      Coeff Contr.   Expan.
      15702.3516513.69                 5        5        5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.94    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1495516.00   152225.30   1690920.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)             1495516.00   152225.30   1690920.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3108653.00   469044.60   3152303.00
  Top Width (ft)          34406.77    Top Width (ft)           14407.49     811.34   19187.94
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)             2.08       3.08       1.86
  Max Chl Dpth (ft)         192.03    Hydr. Depth (ft)           103.80     187.62      88.12
  Conv. Total (cfs)       707935400.0    Conv. (cfs)             327002200.0   49339270.0   331593800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         14421.39     813.36   19197.91
  Min Ch El (ft)            567.91    Shear (lb/sq ft)             0.59       1.06       0.50
  Alpha                       1.05    Stream Power (lb/ft s)       1.22       3.25       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    144602.70   23693.69   171907.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1328.05     115.92    1619.08
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CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276113.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  180.89  793.36  588.53  779.06 1239.91  762.04 1403.82  755.78
 1665.59  748.33 1819.11  747.35 2140.13  747.35 2446.57  746.63 3269.64  717.48
 3335.46  714.13 3419.11  712.65 3429.48  712.57  3614.3  718.56 3779.19  717.35
 3910.24  716.07 4050.95  712.41  4394.9  704.17 4814.09  696.07 5126.05  695.11
 5260.29  693.71 5406.37  689.98 5469.21  686.87 5802.12  684.41 6122.84  683.94
 6252.22   684.7 6454.35   679.4 6607.21  676.75 6672.61   674.1 6717.62   674.1
 6855.75  675.95 7055.53  685.98 7113.37  683.68 7232.27  680.03 7566.02  664.98
 7610.02  664.53 7752.01   658.3 8021.23  634.97 8034.16  633.45 8192.77  627.41
 8320.16  626.49 8553.71   630.1 8714.22  628.95 8882.37  622.43 9053.39  619.78
 9185.87  603.98 9201.69  603.85 9284.07  598.55 9438.63   590.6 9491.29   590.6
 9529.88  593.02 9646.34  622.36 9745.22  628.5510101.46   626.310246.76  618.03
10298.04  610.3510493.56  609.1110725.39  622.3511001.26   620.611584.71  617.95
12928.38  617.9513149.53   610.613718.04   610.6 14155.4  613.25 14210.6   615.9
14480.72  613.9914487.13  606.5914585.13  605.3115190.65  591.0615706.14   585.3
15747.31  581.3915892.26  576.9315929.66  573.1315988.51  567.9116387.44  567.91
16454.61   573.116519.01   585.316608.45  609.5316627.61  612.1716868.03  640.33
17311.83  645.7517750.81  648.9519880.37  646.7519996.58  646.7520228.04  647.14
20580.95  640.3821575.71  642.0521835.28   644.723525.19  647.3523910.82  648.61
24337.57   652.424993.55  661.3825219.43  662.6526343.32  662.6526984.01   655.3
27260.16   655.327839.04  652.6528078.74  651.1128251.74  651.1728392.93  649.48
 28542.8  650.49 28839.3  655.1529163.74  658.01 30271.1   682.330940.96  683.66
31917.07  737.0932060.96  737.3832683.19  694.5432718.19  694.6134325.27  756.67
35377.39  752.6235576.52  753.3435931.38   771.435973.19  771.7936282.36  767.37
 36616.8  777.8936776.24   779.437557.12     79038258.89  791.7638612.77     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515706.14     .1516519.01     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15706.1416519.01                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.94    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1495569.00   152504.40   1691254.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1495569.00   152504.40   1691254.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3107560.00   469774.70   3152665.00
  Top Width (ft)          34411.10    Top Width (ft)          14411.13     812.87   19187.10
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.08       3.08       1.86
  Max Chl Dpth (ft)         192.03    Hydr. Depth (ft)          103.78     187.61      88.15
  Conv. Total (cfs)       708108000.0    Conv. (cfs)            326967100.0   49428120.0   331712900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14425.01     814.89   19197.05
  Min Ch El (ft)            567.91    Shear (lb/sq ft)           0.58       1.06       0.50
  Alpha                       1.05    Stream Power (lb/ft s)     1.21       3.25       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    144431.00   23676.20   171713.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1326.39     115.83    1616.88


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276110.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  180.94  793.35  588.68  779.05 1240.21  762.04 1404.16  755.77
    1666  748.32 1819.55  747.34 2140.64  747.34 2447.16  746.62 3270.43  717.49
 3336.26  714.15 3419.93  712.66  3430.3  712.58 3615.18  718.56  3780.1  717.34
 3911.19  716.06 4051.93  712.39 4395.96  704.15 4815.25  696.05 5127.29  695.09
 5261.56  693.69 5407.67  689.96 5470.53  686.83 5803.52  684.38 6124.32  683.92
 6253.73  684.68 6455.91  679.36 6608.81   676.7 6674.22  674.04 6719.24  674.04
  6857.4   675.9 7057.24  685.92 7115.09  683.64 7234.01     680 7567.85  664.99
 7611.86  664.55 7753.88  658.35 8023.16  635.06  8036.1  633.54 8194.75  627.48
 8322.17  626.56 8555.77   630.2 8716.32  629.04 8884.52  622.51 9055.58  619.86
 9188.09  604.07 9203.91  603.94 9286.31  598.62 9440.91  590.64 9493.58  590.64
 9532.18  593.07 9648.67  622.41 9747.57  628.62 10103.9  626.3610249.24  618.09
10300.53  610.4310496.09  609.1910727.98  622.3911003.92  620.64 11587.5  617.98
 12931.5  617.9813152.71  610.6413721.35  610.6414158.82   613.314214.04  615.96
14484.22  614.0414490.63  606.6614588.65  605.3715194.32  591.0815709.94  585.32
15751.24   581.415896.68  576.95 15934.2  573.1415993.24  567.9116392.41  567.91
16459.76   573.116524.32  585.3216613.76  609.5316632.92  612.1716873.31  640.29
17317.06  645.71   17756  648.9119885.32   646.720001.52   646.720232.95  647.09
20585.83  640.3421580.48  642.0221840.03  644.6823529.76  647.3423915.34   648.6
24342.04  652.3924997.96  661.3925223.81  662.6626347.58  662.66 26988.2  655.32
27264.32  655.3227843.13  652.6628082.81  651.1228255.79  651.1728396.96  649.47
28546.82  650.4828843.29  655.1529167.69     65830274.94  682.2730944.72  683.64
31920.73     73732064.61  737.2932686.76  694.5232721.76  694.5934328.67  756.58
35380.68  752.5535579.79  753.2735934.61  771.3335976.41  771.7236285.54  767.32
36619.95  777.8436779.38  779.3637560.17     79038261.86  791.7738615.71     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515709.94     .1516524.32     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15709.9416524.32                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.94    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1495637.00   152778.50   1691609.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1495637.00   152778.50   1691609.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3106487.00   470480.60   3153033.00
  Top Width (ft)          34415.49    Top Width (ft)          14414.69     814.38   19186.42
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.08       3.08       1.86
  Max Chl Dpth (ft)         192.03    Hydr. Depth (ft)          103.76     187.60      88.17
```

```
  Conv. Total (cfs)       708290300.0    Conv. (cfs)            326938300.0   49515130.0   331836900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14428.55     816.40   19196.35
  Min Ch El (ft)            567.91    Shear (lb/sq ft)            0.58       1.05       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.21       3.25       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    144259.40   23658.68   171519.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1324.74     115.74    1614.68


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276107.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  180.98  793.35  588.82  779.04 1240.51  762.04  1404.5  755.76
  1666.4  748.32 1819.99  747.33 2141.16  747.33 2447.75  746.61 3271.22  717.51
 3337.07  714.16 3420.76  712.67 3431.13  712.59 3616.05  718.55 3781.02  717.33
 3912.13  716.04 4052.91  712.38 4397.02  704.13 4816.41  696.04 5128.53  695.07
 5262.83  693.67 5408.98  689.93 5471.85   686.8 5804.92  684.35  6125.8  683.89
 6255.24  684.66 6457.46  679.32  6610.4  676.65 6675.83  673.98 6720.86  673.98
 6859.06  675.84 7058.94  685.87 7116.81  683.59 7235.76  679.97 7569.68     665
 7613.69  664.56 7755.76  658.41  8025.1  635.15 8038.04  633.63 8196.73  627.55
 8324.18  626.63 8557.84  630.29 8718.43  629.14 8886.66  622.59 9057.76  619.93
  9190.3  604.16 9206.14  604.03 9288.55  598.69 9443.19  590.68 9495.87  590.68
 9534.49  593.11    9651  622.45 9749.92  628.6910106.34  626.4210251.71  618.16
10303.02   610.510498.62  609.2610730.57  622.4411006.58  620.68 11590.3  618.01
12934.62  618.0113155.88  610.6813724.66  610.6814162.24  613.3514217.47  616.02
14487.72  614.0914494.13  606.7214592.17  605.4315197.98  591.1115713.73  585.34
15755.17  581.4115901.09  576.9715938.74  573.1515997.98  567.9116397.39  567.91
16464.91   573.116529.64  585.3416619.06  609.5316638.22  612.1616878.59  640.26
17322.29  645.6717761.18  648.8619890.28  646.6520006.46  646.6520237.87  647.04
20590.71  640.3121585.26  641.9921844.77  644.6623534.32  647.3323919.86   648.6
24346.52  652.3925002.36   661.425228.19  662.6726351.83  662.6726992.39  655.34
27268.48  655.3427847.23  652.6728086.88  651.1228259.84  651.17   28401  649.45
28550.84  650.4728847.28  655.1429171.65  657.9930278.77  682.2430948.49  683.61
31924.39  736.9132068.25  737.2132690.34   694.532725.33  694.5734332.07  756.49
35383.96  752.4835583.05  753.2135937.83  771.2635979.63  771.6636288.73  767.28
 36623.1   777.836782.51  779.3237563.22     79038264.83  791.7738618.64     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515713.73     .1516529.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15713.7316529.64                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1495695.00   153056.40   1691965.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1495695.00   153056.40   1691965.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3105381.00   471197.20   3153422.00
  Top Width (ft)          34419.74    Top Width (ft)          14418.25     815.91   19185.59
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.08       3.08       1.86
  Max Chl Dpth (ft)         192.02    Hydr. Depth (ft)          103.74     187.59      88.19
  Conv. Total (cfs)       708472300.0    Conv. (cfs)            326905900.0   49603290.0   331963200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14432.09     817.93   19195.51
  Min Ch El (ft)            567.91    Shear (lb/sq ft)            0.58       1.05       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.21       3.25       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    144087.70   23641.12   171325.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1323.08     115.64    1612.48


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276105.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  181.02  793.35  588.96  779.03 1240.81  762.03 1404.84  755.75
  1666.8  748.31 1820.42  747.32 2141.68  747.32 2448.35  746.59 3272.01  717.53
 3337.88  714.18 3421.58  712.68 3431.96   712.6 3616.92  718.55 3781.93  717.32
 3913.08  716.03 4053.89  712.36 4398.09  704.11 4817.57  696.02 5129.77  695.06
  5264.1  693.65 5410.28   689.9 5473.17  686.76 5806.32  684.32 6127.28  683.87
 6256.75  684.64 6459.02  679.28    6612   676.6 6677.44  673.92 6722.48  673.92
 6860.71  675.79 7060.64  685.82 7118.52  683.55 7237.51  679.95 7571.51     665
 7615.53  664.58 7757.63  658.47 8027.04  635.24 8039.98  633.72 8198.71  627.62
 8326.19  626.71 8559.91  630.39 8720.53  629.24 8888.81  622.67 9059.95     620
 9192.52  604.25 9208.36  604.12 9290.79  598.76 9445.47  590.72 9498.16  590.72
 9536.79  593.16 9653.32   622.5 9752.28  628.7610108.78  626.4810254.18  618.23
 10305.5  610.5810501.16  609.3310733.16  622.4911009.24  620.72 11593.1  618.04
12937.74  618.0413159.06  610.7213727.97  610.7214165.66   613.4 14220.9  616.08
14491.21  614.1514497.63  606.7814595.69  605.4915201.65  591.1415717.52  585.36
 15759.1  581.42 15905.5  576.9915943.27  573.1616002.71  567.9116402.37  567.91
16470.06  573.0916534.96  585.3616624.37  609.5316643.53  612.1616883.87  640.22
17327.53  645.6417766.37  648.8219895.23   646.6 20011.4   646.620242.79  646.99
20595.59  640.2721590.03  641.9621849.51  644.6423538.88  647.3223924.38  648.59
24350.99  652.3925006.76  661.4225232.57  662.6826356.09  662.6826996.58  655.36
27272.64  655.3627851.32  652.6828090.95  651.1228263.89  651.1728405.04  649.44
28554.87  650.4528851.27  655.13 29175.6  657.98 30282.6  682.2130952.25  683.59
31928.04  736.8332071.89  737.1232693.91  694.48 32728.9  694.5534335.46   756.4
35387.25   752.435586.31  753.1535941.05  771.1935982.85  771.5936291.91  767.23
36626.25  777.7536785.64  779.2837566.27     790 38267.8  791.7838621.58     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515717.52     .1516534.96     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15717.5216534.96                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                   Left OB    Channel   Right OB
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```
  Vel Head (ft)              0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.93    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1495747.00   153335.00   1692309.00
  E.G. Slope (ft/ft)     0.000090    Area (sq ft)            1495747.00   153335.00   1692309.00
  Q Total (cfs)          6730000.00    Flow (cfs)             3104267.00   471922.50   3153811.00
  Top Width (ft)         34424.16    Top Width (ft)          14421.97     817.44   19184.75
  Vel Total (ft/s)           2.01    Avg. Vel. (ft/s)           2.08       3.08       1.86
  Max Chl Dpth (ft)        192.02    Hydr. Depth (ft)         103.71     187.58      88.21
  Conv. Total (cfs)      708646200.0    Conv. (cfs)           326868800.0   49691840.0   332085600.0
  Length Wtd. (ft)           5.00    Wetted Per. (ft)        14435.81     819.47   19194.65
  Min Ch El (ft)           567.91    Shear (lb/sq ft)           0.58       1.05       0.50
  Alpha                      1.05    Stream Power (lb/ft s)     1.21       3.24       0.93
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    143916.00   23623.54   171131.00
  C & E Loss (ft)            0.00    Cum SA (acres)           1321.43     115.55    1610.28


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276102.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  181.07  793.34   589.1  779.02 1241.11  762.03 1405.18  755.74
  1667.2   748.3 1820.86  747.31 2142.19  747.31 2448.94  746.58 3272.79  717.55
 3338.68   714.2 3422.41  712.69 3432.79  712.61  3617.8  718.54 3782.84  717.31
 3914.02  716.01 4054.87  712.34 4399.15  704.09 4818.74  696.01    5131  695.04
 5265.37  693.64 5411.59  689.87 5474.49  686.72 5807.72  684.28 6128.76  683.85
 6258.26  684.62 6460.58  679.24  6613.6  676.55 6679.05  673.86 6724.11  673.86
 6862.37  675.74 7062.35  685.76 7120.24   683.5 7239.25  679.92 7573.33  665.01
 7617.37   664.6  7759.5  658.52 8028.97  635.32 8041.92   633.8 8200.69  627.69
  8328.2  626.78 8561.97  630.48 8722.64  629.33 8890.95  622.75 9062.13  620.08
 9194.74  604.34 9210.58  604.21 9293.04  598.83 9447.75  590.76 9500.46  590.76
 9539.09  593.21 9655.65  622.55 9754.63  628.8310111.22  626.5410256.66   618.3
10307.99  610.6610503.69   609.410735.75  622.5311011.89  620.76 11595.9  618.07
12940.87  618.0713162.23  610.7613731.29  610.7614169.08  613.4514224.33  616.14
14494.71   614.214501.13  606.8414599.22  605.5515205.32  591.1615721.32  585.38
15763.03  581.4315909.92     5771594 7.81  573.1716007.45   567.916407.35   567.9
16475.21  573.0916540.27  585.3816629.68  609.5316648.83  612.1616889.15  640.19
17332.76   645.617771.55  648.7819900.19  646.5520016.35  646.5520247.71  646.94
20600.47  640.24 21594.8  641.9321854.26  644.6223543.44  647.31 23928.9  648.59
24355.47  652.3825011.16  661.4325236.95  662.6926360.35  662.6927000.77  655.38
 27276.8  655.3827855.42  652.6928095.02  651.1328267.95  651.1728409.07  649.43
28558.89  650.4428855.25  655.1229179.55  657.9830286.44  682.1930956.01  683.56
 31931.7  736.7432075.53  737.0432697.48  694.4632732.47  694.5334338.86  756.32
35390.53  752.3335589.57  753.0835944.28  771.1235986.07  771.52 36295.1  767.18
 36629.4  777.7136788.77  779.2437569.32     79038270.78  791.7938624.52     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515721.32     .1516540.27     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15721.3216540.27                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           760.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.93    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1495820.00   153614.30   1692628.00
  E.G. Slope (ft/ft)     0.000090    Area (sq ft)            1495820.00   153614.30   1692628.00
  Q Total (cfs)          6730000.00    Flow (cfs)             3103242.00   472658.50   3154099.00
  Top Width (ft)         34428.55    Top Width (ft)          14425.53     818.95   19184.06
  Vel Total (ft/s)           2.01    Avg. Vel. (ft/s)           2.07       3.08       1.86
  Max Chl Dpth (ft)        192.03    Hydr. Depth (ft)         103.69     187.57      88.23
  Conv. Total (cfs)      708821200.0    Conv. (cfs)           326841600.0   49781630.0   332198000.0
  Length Wtd. (ft)           5.00    Wetted Per. (ft)        14439.36     820.98   19193.95
  Min Ch El (ft)           567.90    Shear (lb/sq ft)           0.58       1.05       0.50
  Alpha                      1.05    Stream Power (lb/ft s)     1.21       3.24       0.92
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    143744.30   23605.92   170936.70
  C & E Loss (ft)            0.00    Cum SA (acres)           1319.77     115.45    1608.07


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276099.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  181.11  793.34  589.25    779 1241.41  762.03 1405.52  755.74
  1667.6   748.3  1821.3   747.3 2142.71   747.3 2449.53  746.57 3273.58  717.56
 3339.49  714.21 3423.23   712.7 3433.62  712.62 3618.67  718.54 3783.75   717.3
 3914.97     716 4055.84  712.33 4400.21  704.07  4819.9  695.99 5132.24  695.02
 5266.65  693.62 5412.89  689.85 5475.81  686.69 5809.12  684.25 6130.24  683.82
 6259.77   684.6 6462.14   679.2 6615.19   676.5 6680.66   673.8 6725.73   673.8
 6864.02  675.68 7064.05  685.71 7121.96  683.45    7241  679.89 7575.16  665.02
 7619.21  664.62 7761.37  658.58 8030.91  635.41 8043.86  633.89 8202.67  627.76
 8330.21  626.85 8564.04  630.58 8724.74  629.43  8893.1  622.82 9064.32  620.15
 9196.96  604.43  9212.8   604.3 9295.28   598.9 9450.03   590.8 9502.75   590.8
 9541.39  593.26 9657.98  622.59 9756.98   628.910113.66   626.610259.13  618.37
10310.48  610.7310506.23  609.4710738.34  622.5811014.55   620.811598.69   618.1
12943.99   618.113165.41   610.8 13734.6   610.8 14172.5   613.514227.76   616.2
14498.21  614.2514504.62  606.9114602.74  605.6115208.99  591.1915725.11   585.4
15766.96  581.4415914.33  577.0215952.35  573.1816012.18   567.916412.33   567.9
16480.36  573.0816545.59   585.416634.99  609.5216654.14  612.1616894.43  640.15
17337.99  645.5717776.73  648.7419905.14   646.520021.29   646.520252.62   646.9
20605.35   640.221599.57   641.9   21859   644.6   23548   647.323933.42  648.58
24359.94  652.3825015.57  661.4425241.32   662.726364.61   662.727004.96   655.4
27280.96   655.427859.52   652.728099.09  651.13   28272  651.1628413.11  649.41
28562.91  650.4228859.24  655.1229183.51  657.9730290.27  682.1630959.77  683.54
31935.36  736.6632079.17  736.9532701.06  694.4432736.04  694.5134342.26  756.23
35393.81  752.2635592.83  753.02 35947.5  771.0535989.29  771.4536298.29  767.13
36632.55  777.6636791.91   779.237572.37     79038273.75  791.7938627.45     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
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```
       0     .1515725.11     .1516545.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15725.1116545.59                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1495876.00   153892.70   1692968.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1495876.00   153892.70   1692968.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3102163.00   473379.50   3154458.00
  Top Width (ft)          34432.71    Top Width (ft)          14429.00     820.48   19183.23
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.07       3.08       1.86
  Max Chl Dpth (ft)         192.03    Hydr. Depth (ft)          103.67     187.56      88.25
  Conv. Total (cfs)       708999000.0    Conv. (cfs)            326809900.0   49870070.0   332319100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14442.81     822.51   19193.10
  Min Ch El (ft)            567.90    Shear (lb/sq ft)            0.58       1.05       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.21       3.24       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    143572.60   23588.27   170742.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1318.12     115.36    1605.87


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276096.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  181.15  793.33  589.39  778.99 1241.71  762.03 1405.85  755.73
 1668.01  748.29 1821.74  747.29 2143.23  747.29 2450.12  746.55 3274.37  717.58
 3340.29  714.23 3424.06  712.71 3434.45  712.63 3619.54  718.53 3784.67  717.29
 3915.91  715.98 4056.82  712.31 4401.27  704.05 4821.06  695.98 5133.48     695
 5267.92   693.6  5414.2  689.82 5477.14  686.65 5810.53  684.22 6131.71   683.8
 6261.28  684.58  6463.7  679.16 6616.79  676.45 6682.27  673.74 6727.35  673.74
 6865.68  675.63 7065.76  685.66 7123.68  683.41 7242.75  679.87 7576.99  665.02
 7621.04  664.63 7763.24  658.64 8032.85   635.5  8045.8  633.98 8204.65  627.84
 8332.22  626.92  8566.1  630.67 8726.84  629.53 8895.24   622.9 9066.51  620.23
 9199.18  604.52 9215.02  604.39 9297.52  598.97 9452.31  590.84 9505.04  590.84
 9543.69  593.31 9660.31  622.64 9759.34  628.97 10116.1  626.6610261.61  618.43
10312.96  610.8110508.76  609.5510740.93  622.6311017.21  620.8411601.49  618.13
12947.11  618.1313168.58  610.8413737.91  610.8414175.91  613.55 14231.2  616.26
 14501.7  614.3114508.12  606.9714606.26  605.6715212.66  591.21 15728.9  585.42
15770.89  581.4615918.74  577.0415956.89  573.1916016.91   567.916417.31   567.9
16485.51  573.0816550.91  585.4216640.29  609.5216659.44  612.1516899.71  640.11
17343.22  645.5317781.92   648.7 19910.1  646.4520026.23  646.4520257.54  646.85
20610.23  640.1621604.34  641.8721863.74  644.5823552.56  647.2923937.94  648.58
24364.41  652.3825019.97  661.45 25245.7  662.7126368.87  662.7127009.15  655.42
27285.12  655.4227863.62  652.7128103.16  651.1428276.05  651.1628417.15   649.4
28566.93  650.4128863.23  655.1129187.46  657.9630294.11  682.1330963.54  683.52
31939.02  736.5732082.81  736.8732704.63  694.4232739.61  694.4934345.66  756.14
 35397.1  752.19 35596.1  752.9635950.73  770.9835992.51  771.3836301.47  767.09
 36635.7  777.6236795.04  779.1637575.41     79038276.72   791.838630.39     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 15728.9     .1516550.91     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15728.916550.91                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1495936.00   154169.40   1693310.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1495936.00   154169.40   1693310.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3101087.00   474092.50   3154821.00
  Top Width (ft)          34436.98    Top Width (ft)          14432.55     822.01   19182.42
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.07       3.08       1.86
  Max Chl Dpth (ft)         192.03    Hydr. Depth (ft)          103.65     187.55      88.27
  Conv. Total (cfs)       709176600.0    Conv. (cfs)            326778400.0   49957700.0   332440600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14446.36     824.04   19192.26
  Min Ch El (ft)            567.90    Shear (lb/sq ft)            0.58       1.05       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.21       3.23       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    143400.90   23570.59   170548.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1316.46     115.27    1603.67


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276093.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   181.2  793.33  589.53  778.98 1242.01  762.02 1406.19  755.72
 1668.41  748.29 1822.18  747.28 2143.74  747.28 2450.71  746.54 3275.16   717.6
  3341.1  714.24 3424.89  712.72 3435.27  712.64 3620.41  718.53 3785.58  717.28
 3916.85  715.97  4057.8  712.29 4402.33  704.03 4822.22  695.96 5134.72  694.98
 5269.19  693.58  5415.5  689.79 5478.46  686.61 5811.93  684.18 6133.19  683.78
 6262.79  684.56 6465.26  679.12 6618.38   676.4 6683.89  673.68 6728.97  673.68
 6867.34  675.58 7067.46   685.6  7125.4  683.36 7244.49  679.84 7578.81  665.03
 7622.88  664.65 7765.12  658.69 8034.79  635.59 8047.74  634.07 8206.62  627.91
 8334.23     627 8568.17  630.77 8728.95  629.62 8897.39  622.98 9068.69   620.3
  9201.4  604.61 9217.25  604.48 9299.76  599.04 9454.59  590.88 9507.33  590.88
 9545.99  593.36 9662.64  622.68 9761.69  629.0410118.54  626.7310264.08   618.5
10315.45  610.8910511.29  609.6210743.52  622.6711019.86  620.8811604.29  618.16
12950.23  618.1613171.76  610.8813741.23  610.8814179.33   613.614234.63  616.32
 14505.2  614.3614511.62  607.0314609.78  605.7315216.33  591.24 15732.7  585.44
15774.82  581.4715923.16  577.0615961.42   573.216021.65   567.916422.29   567.9
16490.67  573.0816556.22  585.44 16645.6  609.5216664.75  612.1516904.99  640.08
17348.45   645.5 17787.1  648.6619915.05   646.420031.17   646.420262.46   646.8
20615.11  640.1321609.12  641.8421868.49  644.5623557.12  647.2823942.46  648.57
24368.89  652.3725024.38  661.4625250.08  662.7226373.12  662.7227013.34  655.44
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27289.28  655.4427867.71  652.7228107.23  651.14 28280.1  651.1628421.19  649.39
28570.95  650.3928867.22   655.129191.41  657.9530297.94   682.1 30967.3  683.49
31942.67  736.4832086.45  736.7832708.21   694.432743.18  694.4734349.05  756.05
35400.38  752.1235599.36   752.935953.95  770.9135995.73  771.3136304.66  767.04
36638.85  777.5736798.17  779.1237578.46     790 38279.7  791.8138633.32     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 15732.7     .1516556.22     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       15732.716556.22                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1495997.00   154443.70   1693663.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1495997.00   154443.70   1693663.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3099986.00   474799.00   3155215.00
  Top Width (ft)          34441.41    Top Width (ft)          14436.29     823.52   19181.60
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.07       3.07       1.86
  Max Chl Dpth (ft)         192.03    Hydr. Depth (ft)          103.63     187.54      88.30
  Conv. Total (cfs)       709355000.0    Conv. (cfs)            326744500.0   50044740.0   332565700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14450.07     825.55   19191.43
  Min Ch El (ft)            567.90    Shear (lb/sq ft)            0.58       1.05       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.21       3.23       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    143229.20   23552.88   170353.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1314.80     115.17    1601.47


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276090.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  181.24  793.32  589.67  778.97 1242.31  762.02 1406.53  755.71
 1668.81  748.28 1822.62  747.27 2144.26  747.27  2451.3  746.53 3275.95  717.61
  3341.9  714.26 3425.71  712.73  3436.1  712.65 3621.29  718.52 3786.49  717.27
  3917.8  715.95 4058.78  712.28 4403.39  704.01 4823.39  695.95 5135.96  694.96
 5270.46  693.56 5416.81  689.77 5479.78  686.58 5813.33  684.15 6134.67  683.76
  6264.3  684.54 6466.82  679.08 6619.98  676.35  6685.5  673.62  6730.6  673.62
 6868.99  675.53 7069.16  685.55 7127.11  683.32 7246.24  679.81 7580.64  665.04
 7624.72  664.67 7766.99  658.75 8036.72  635.68 8049.68  634.16  8208.6  627.98
 8336.24  627.07 8570.23  630.86 8731.05  629.72 8899.53  623.06 9070.88  620.38
 9203.61  604.71 9219.47  604.57 9302.01  599.11 9456.87  590.92 9509.62  590.92
 9548.29  593.41 9664.97  622.73 9764.04  629.1110120.98  626.7910266.56  618.57
10317.94  610.9710513.83  609.6910746.11  622.7211022.52  620.9211607.09  618.19
12953.35  618.1913174.93  610.9213744.54  610.9214182.75  613.6514238.06  616.38
 14508.7  614.4114515.12  607.09 14613.3   605.8   15220  591.2615736.49  585.46
15778.75  581.4815927.57  577.0815965.96  573.2116026.38   567.916427.27   567.9
16495.82  573.0716561.54  585.4616650.91  609.5216670.05  612.1516910.27  640.04
17353.68  645.4617792.29  648.61   19920  646.3520036.11  646.3520267.37  646.75
20619.99  640.0921613.89  641.8121873.23  644.5423561.69  647.2723946.98  648.57
24373.36  652.3725028.78  661.4825254.46  662.7326377.38  662.7327017.53  655.46
27293.44  655.4627871.81  652.73 28111.3  651.1428284.15  651.1628425.22  649.38
28574.97  650.3828871.21   655.129195.37  657.9530301.78  682.0730971.06  683.47
31946.33   736.432090.09   736.732711.78  694.3832746.75  694.4534352.45  755.96
35403.66  752.0535602.62  752.8335957.18  770.8435998.95  771.2436307.85  766.99
   36642  777.52 36801.3  779.0837581.51     79038282.67  791.8138636.25     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515736.49     .1516561.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15736.4916561.54                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1496049.00   154721.70   1694000.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1496049.00   154721.70   1694000.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3098907.00   475520.90   3155572.00
  Top Width (ft)          34445.79    Top Width (ft)          14439.84     825.05   19180.90
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.07       3.07       1.86
  Max Chl Dpth (ft)         192.03    Hydr. Depth (ft)          103.61     187.53      88.32
  Conv. Total (cfs)       709527600.0    Conv. (cfs)            326710200.0   50133010.0   332684300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14453.61     827.08   19190.71
  Min Ch El (ft)            567.90    Shear (lb/sq ft)            0.58       1.05       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.20       3.23       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    143057.50   23535.14   170159.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1313.15     115.08    1599.27


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276087.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  181.28  793.32  589.81  778.95 1242.61  762.02 1406.87  755.71
 1669.21  748.27 1823.06  747.26 2144.78  747.26 2451.89  746.52 3276.74  717.63
 3342.71  714.27 3426.54  712.74 3436.93  712.66 3622.16  718.51  3787.4  717.26
 3918.74  715.94 4059.76  712.26 4404.45  703.99 4824.55  695.93 5137.19  694.95
 5271.73  693.54 5418.12  689.74  5481.1  686.54 5814.73  684.12 6136.15  683.73
 6265.81  684.52 6468.38  679.04 6621.57   676.3 6687.11  673.56 6732.22  673.56
 6870.65  675.47 7070.87   685.5 7128.83  683.27 7247.99  679.78 7582.47  665.04
 7626.56  664.68 7768.86  658.81 8038.66  635.77 8051.62  634.25 8210.58  628.05
 8338.25  627.14  8572.3  630.96 8733.16  629.82 8901.68  623.14 9073.07  620.45
 9205.83   604.8 9221.69  604.66 9304.25  599.18 9459.15  590.96 9511.92  590.96
  9550.6  593.46  9667.3  622.78  9766.4  629.1810123.42  626.8510269.03  618.64
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10320.43  611.0410516.36  609.76 10748.7  622.7711025.18  620.9611609.88  618.22
12956.48  618.2213178.11  610.9613747.85  610.9614186.17   613.714241.49  616.44
 14512.2  614.4614518.62  607.1614616.83  605.8615223.66  591.2915740.28  585.48
15782.68  581.4915931.98  577.09 15970.5  573.2216031.12   567.916432.25   567.9
16500.97  573.0716566.86  585.4816656.22  609.5216675.36  612.1416915.55     640
17358.91  645.4317797.47  648.5719924.96   646.320041.05   646.320272.29   646.7
20624.87  640.0521618.66  641.7821877.97  644.5223566.25  647.26 23951.5  648.56
24377.84  652.3725033.18  661.4925258.84  662.7426381.64  662.7427021.71  655.48
27297.59  655.48 27875.9  652.7428115.38  651.1528288.21  651.1628429.26  649.36
28578.99  650.37 28875.2  655.0929199.32  657.9430305.61  682.0430974.82  683.44
31949.99  736.3132093.74  736.6132715.36  694.3532750.32  694.4334355.85  755.88
35406.95  751.9835605.88  752.77 35960.4  770.7736002.16  771.1836311.03  766.94
36645.15  777.4836804.44  779.0437584.56     79038285.64  791.8238639.19     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515740.28     .1516566.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15740.2816566.86                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1496107.00   155000.20   1694345.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1496107.00   155000.20   1694345.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3097827.00   476240.10   3155932.00
  Top Width (ft)          34449.96    Top Width (ft)          14443.31     826.58   19180.07
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.07       3.07       1.86
  Max Chl Dpth (ft)         192.03    Hydr. Depth (ft)          103.58     187.52      88.34
  Conv. Total (cfs)       709708000.0    Conv. (cfs)            326679500.0   50221610.0   332806900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14457.06     828.61   19189.87
  Min Ch El (ft)            567.90    Shear (lb/sq ft)            0.58       1.05       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.20       3.23       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    142885.80   23517.36   169964.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1311.49     114.98    1597.06


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276084.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  181.33  793.31  589.96  778.94 1242.91  762.01 1407.21   755.7
 1669.62  748.27  1823.5  747.25 2145.29  747.25 2452.48   746.5 3277.53  717.65
 3343.51  714.29 3427.36  712.75 3437.76  712.67 3623.03  718.51 3788.32  717.25
 3919.69  715.92 4060.74  712.24 4405.51  703.97 4825.71  695.92 5138.43  694.93
    5273  693.52 5419.42  689.71 5482.42   686.5 5816.13  684.08 6137.63  683.71
 6267.32   684.5 6469.93     679 6623.17  676.25 6688.72   673.5 6733.84   673.5
  6872.3  675.42 7072.57  685.45 7130.55  683.23 7249.73  679.76  7584.3  665.05
  7628.4   664.7 7770.73  658.86  8040.6  635.86 8053.56  634.34 8212.56  628.12
 8340.26  627.22 8574.37  631.05 8735.26  629.91 8903.82  623.22 9075.25  620.53
 9208.05  604.89 9223.91  604.75 9306.49  599.25 9461.43     591 9514.21     591
  9552.9  593.51 9669.63  622.82 9768.75  629.2510125.86  626.9110271.51  618.71
10322.91  611.12 10518.9  609.8310751.29  622.8111027.83     62111612.68  618.25
 12959.6  618.2513181.29     61113751.17     61114189.59  613.7514244.92   616.5
14515.69  614.5214522.12  607.2214620.35  605.9215227.33  591.3215744.08   585.5
15786.61   581.5 15936.4  577.1115975.04  573.2316035.85   567.916437.22   567.9
16506.12  573.0616572.18   585.516661.52  609.5116680.66  612.1416920.83  639.97
17364.15  645.3917802.65  648.5319929.91  646.25   20046  646.2520277.21  646.65
20629.74  640.0221623.43  641.7521882.72   644.523570.81  647.2523956.02  648.56
24382.31  652.3625037.58   661.525263.22  662.75 26385.9  662.75 27025.9   655.5
27301.75   655.5   27880  652.7528119.45  651.1528292.26  651.1628433.29  649.35
28583.01  650.3528879.19  655.0829203.28  657.9330309.45  682.0130978.58  683.42
31953.64  736.2232097.38  736.5332718.93  694.3332753.89  694.4134359.24  755.79
35410.23   751.935609.14  752.7135963.62   770.736005.39  771.1136314.22   766.9
 36648.3  777.4336807.57     77937587.61     79038288.62  791.8338642.12     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515744.08     .1516572.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15744.0816572.18                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1496168.00   155276.70   1694692.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1496168.00   155276.70   1694692.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3096733.00   476953.80   3156314.00
  Top Width (ft)          34454.39    Top Width (ft)          14447.04     828.10   19179.25
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.07       3.07       1.86
  Max Chl Dpth (ft)         192.03    Hydr. Depth (ft)          103.56     187.51      88.36
  Conv. Total (cfs)       709884900.0    Conv. (cfs)            326645400.0   50309410.0   332930000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14460.78     830.13   19189.03
  Min Ch El (ft)            567.90    Shear (lb/sq ft)            0.58       1.05       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.20       3.22       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    142714.00   23499.55   169770.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1309.83     114.89    1594.86


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276081.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  181.37  793.31   590.1  778.93 1243.21  762.01 1407.55  755.69
 1670.02  748.26 1823.94  747.24 2145.81  747.24 2453.07  746.49 3278.32  717.66
 3344.32   714.3 3428.19  712.76 3438.59  712.68 3623.91   718.5 3789.23  717.24
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 3920.63  715.91 4061.71  712.23 4406.58  703.96 4826.88   695.9 5139.67  694.91
 5274.27   693.5 5420.73  689.68 5483.74  686.47 5817.53  684.05 6139.11  683.69
 6268.83  684.48 6471.49  678.96 6624.77   676.2 6690.33  673.44 6735.46  673.44
 6873.96  675.37 7074.28  685.39 7132.27  683.18 7251.48  679.73 7586.12  665.06
 7630.23  664.72  7772.6  658.92 8042.53  635.94  8055.5  634.42 8214.54  628.19
 8342.27  627.29 8576.43  631.15 8737.37  630.01 8905.97  623.29 9077.44   620.6
 9210.27  604.98 9226.14  604.84 9308.73  599.32 9463.71  591.04  9516.5  591.04
  9555.2  593.56 9671.96  622.87  9771.1  629.32 10128.3  626.9710273.98  618.77
 10325.4   611.210521.43  609.9110753.88  622.8611030.49  621.0411615.48  618.28
12962.72  618.2813184.46  611.0413754.48  611.0414193.01   613.814248.36  616.56
14519.19  614.5714525.62  607.2814623.87  605.98   15231  591.3415747.87  585.52
15790.54  581.5115940.81  577.1315979.58  573.2416040.58   567.9 16442.2   567.9
16511.27  573.0616577.49  585.5216666.83  609.5116685.97  612.1416926.11  639.93
17369.38  645.3617807.84  648.4919934.87   646.220050.94   646.220282.12   646.6
20634.62  639.98 21628.2  641.7221887.46  644.4823575.37  647.2423960.54  648.55
24386.79  652.3625041.99  661.51 25267.6  662.7626390.15  662.7627030.09  655.52
27305.91  655.52 27884.1  652.7628123.52  651.1628296.31  651.1528437.33  649.34
28587.03  650.3428883.17  655.0829207.23  657.9230313.28  681.9830982.35   683.4
 31957.3  736.1432101.02  736.44 32722.5  694.3132757.46  694.3934362.64   755.7
35413.52  751.8335612.41  752.6435966.85  770.6336008.61  771.0436317.41  766.85
36651.45  777.3936810.71  778.9637590.66     79038291.59  791.8338645.06     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515747.87     .1516577.49     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15747.8716577.49                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1496229.00   155552.50   1695032.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1496229.00   155552.50   1695032.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3095670.00   477664.70   3156666.00
  Top Width (ft)          34458.78    Top Width (ft)          14450.60     829.62   19178.56
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.07       3.07       1.86
  Max Chl Dpth (ft)         192.03    Hydr. Depth (ft)          103.54     187.50      88.38
  Conv. Total (cfs)       710060800.0    Conv. (cfs)            326614200.0   50396880.0   333049700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14464.32     831.65   19188.33
  Min Ch El (ft)            567.90    Shear (lb/sq ft)            0.58       1.05       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.20       3.22       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    142542.30   23481.71   169575.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1308.17     114.79    1592.66


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276078.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  181.42   793.3  590.24  778.92 1243.51  762.01 1407.89  755.68
 1670.42  748.25 1824.38  747.23 2146.33  747.23 2453.66  746.48 3279.11  717.68
 3345.13  714.32 3429.01  712.77 3439.41  712.69 3624.78   718.5 3790.14  717.23
 3921.58  715.89 4062.69  712.21 4407.64  703.94 4828.04  695.89 5140.91  694.89
 5275.54  693.49 5422.03  689.66 5485.06  686.43 5818.93  684.02 6140.59  683.66
 6270.34  684.46 6473.05  678.92 6626.36  676.15 6691.94  673.38 6737.08  673.38
 6875.61  675.31 7075.98  685.34 7133.98  683.13 7253.23   679.7 7587.95  665.06
 7632.07  664.74 7774.48  658.98 8044.47  636.03 8057.44  634.51 8216.52  628.26
 8344.28  627.36  8578.5  631.24 8739.47  630.11 8908.11  623.37 9079.63  620.68
 9212.49  605.07 9228.36  604.93 9310.97  599.39 9465.99  591.08 9518.79  591.08
  9557.5  593.61 9674.29  622.92 9773.46  629.3910130.74  627.0310276.46  618.84
10327.89  611.2710523.97  609.9810756.47  622.9111033.15  621.0811618.28  618.31
12965.84  618.3113187.64  611.0813757.79  611.0814196.42  613.8514251.79  616.62
14522.69  614.6214529.12  607.3414627.39  606.0415234.67  591.3715751.66  585.54
15794.47  581.5315945.22  577.1515984.11  573.2516045.32   567.916447.18   567.9
16516.42  573.0516582.81  585.5416672.14  609.5116691.28  612.1316931.39  639.89
17374.61  645.3217813.02  648.4519939.82  646.1520055.88  646.1520287.04  646.56
 20639.5  639.9521632.97  641.6921892.21  644.4623579.93  647.2323965.06  648.54
24391.26  652.3625046.39  661.5225271.98  662.7726394.41  662.7727034.28  655.54
27310.07  655.5427888.19  652.7728127.59  651.1628300.36  651.1528441.37  649.32
28591.05  650.3228887.16  655.0729211.18  657.9230317.11  681.9530986.11  683.37
31960.96  736.0532104.66  736.3532726.08  694.2932761.03  694.3734366.04  755.61
 35416.8  751.7635615.67  752.5835970.07  770.5636011.82  770.9736320.59   766.8
 36654.6  777.3436813.84  778.9237593.71     79038294.56  791.84   38648     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515751.66     .1516582.81     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15751.6616582.81                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1496283.00   155829.80   1695379.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1496283.00   155829.80   1695379.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3094579.00   478377.80   3157044.00
  Top Width (ft)          34463.04    Top Width (ft)          14454.15     831.15   19177.74
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.07       3.07       1.86
  Max Chl Dpth (ft)         192.03    Hydr. Depth (ft)          103.52     187.49      88.40
  Conv. Total (cfs)       710238500.0    Conv. (cfs)            326580800.0   50484740.0   333173000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14467.86     833.19   19187.48
  Min Ch El (ft)            567.90    Shear (lb/sq ft)            0.58       1.05       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.20       3.22       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    142370.50   23463.84   169381.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1306.51     114.70    1590.46


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276075.*
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INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  181.46   793.3  590.38   778.9 1243.81  762.01 1408.23  755.67
 1670.82  748.25 1824.82  747.22 2146.84  747.22 2454.25  746.47  3279.9   717.7
 3345.93  714.34 3429.84  712.78 3440.24   712.7 3625.65  718.49 3791.05  717.22
 3922.52  715.88 4063.67  712.19  4408.7  703.92  4829.2  695.87 5142.14  694.87
 5276.81  693.47 5423.34  689.63 5486.38  686.39 5820.33  683.98 6142.07  683.64
 6271.85  684.44 6474.61  678.88 6627.96   676.1 6693.55  673.32 6738.71  673.32
 6877.27  675.26 7077.68  685.29  7135.7  683.09 7254.97  679.67 7589.78  665.07
 7633.91  664.75 7776.35  659.03 8046.41  636.12 8059.38   634.6  8218.5  628.34
 8346.28  627.43 8580.56  631.34 8741.58   630.2 8910.26  623.45 9081.81  620.75
 9214.71  605.16 9230.58  605.02 9313.22  599.46 9468.27  591.12 9521.09  591.12
  9559.8  593.66 9676.62  622.96 9775.81  629.4610133.18  627.0910278.93  618.91
10330.37  611.35 10526.5  610.0510759.06  622.95 11035.8  621.1211621.07  618.34
12968.96  618.3413190.81  611.12 13761.1  611.1214199.84   613.914255.22  616.68
14526.18  614.6714532.61  607.4114630.92   606.115238.34  591.3915755.45  585.56
 15798.4  581.5415949.63  577.1615988.65  573.2616050.05  567.8916452.16  567.89
16521.58  573.0516588.13  585.5616677.45  609.5116696.58  612.1316936.67  639.86
17379.84  645.2917818.21   648.419944.78   646.120060.82   646.120291.96  646.51
20644.38  639.9121637.75  641.6621896.95  644.44 23584.5  647.2223969.58  648.54
24395.73  652.3525050.79  661.5325276.36  662.7826398.67  662.7827038.47  655.56
27314.23  655.5627892.29  652.7828131.66  651.1728304.42  651.1528445.41  649.31
28595.07  650.3128891.15  655.0629215.14  657.9130320.95  681.9230989.87  683.35
31964.62  735.96 32108.3  736.2732729.65  694.27 32764.6  694.3534369.43  755.52
35420.09  751.6935618.93  752.52 35973.3  770.4836015.04   770.936323.78  766.75
36657.75   777.336816.97  778.8837596.76     79038297.54  791.8538650.93     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515755.45     .1516588.13     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15755.4516588.13                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1496350.00   156113.00   1695729.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)             1496350.00   156113.00   1695729.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3093496.00   479115.40   3157389.00
  Top Width (ft)          34467.38    Top Width (ft)           14457.70     832.68   19177.01
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)             2.07       3.07       1.86
  Max Chl Dpth (ft)         192.04    Hydr. Depth (ft)           103.50     187.48      88.43
  Conv. Total (cfs)       710424100.0    Conv. (cfs)            326551800.0   50575800.0   333296500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         14471.39     834.72   19186.73
  Min Ch El (ft)            567.89    Shear (lb/sq ft)             0.58       1.05       0.50
  Alpha                       1.05    Stream Power (lb/ft s)       1.20       3.22       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    142198.80   23445.94   169186.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1304.85     114.60    1588.26


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276072.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   181.5  793.29  590.52  778.89 1244.11     762 1408.57  755.67
 1671.22  748.24 1825.26  747.21 2147.36  747.21 2454.84  746.45 3280.69  717.72
 3346.74  714.35 3430.67  712.79 3441.07  712.71 3626.52  718.49 3791.97  717.21
 3923.46  715.86 4064.65  712.18 4409.76   703.9 4830.36  695.86 5143.38  694.85
 5278.08  693.45 5424.64   689.6  5487.7  686.36 5821.74  683.95 6143.54  683.62
 6273.36  684.42 6476.17  678.84 6629.55  676.05 6695.17  673.26 6740.33  673.26
 6878.93  675.21 7079.39  685.23 7137.42  683.04 7256.72  679.65  7591.6  665.08
 7635.75  664.77 7778.22  659.09 8048.34  636.21 8061.32  634.69 8220.47  628.41
 8348.29  627.51 8582.63  631.43 8743.68   630.3  8912.4  623.53    9084  620.83
 9216.92  605.25  9232.8  605.11 9315.46  599.53 9470.55  591.16 9523.38  591.16
  9562.1   593.7 9678.95  623.01 9778.16  629.5310135.62  627.1610281.41  618.98
10332.86  611.4310529.03  610.1210761.65     62311038.46  621.1611623.87  618.37
12972.09  618.3713193.99  611.1613764.42  611.1614203.26  613.9514258.65  616.74
14529.68  614.7314536.11  607.4714634.44  606.1615242.01  591.4215759.25  585.58
15802.33  581.5515954.05  577.1815993.19  573.2716054.79  567.8916457.14  567.89
16526.73  573.0516593.44  585.5816682.75  609.5116701.88  612.1316941.95  639.82
17385.07  645.2517823.39  648.3619949.73  646.0520065.77  646.0520296.88  646.46
20649.26  639.8721642.52  641.6321901.69  644.4223589.06  647.21 23974.1  648.53
24400.21  652.35 25055.2  661.5525280.73  662.7926402.93  662.7927042.66  655.58
27318.39  655.5827896.39  652.7928135.73  651.1728308.47  651.1528449.44   649.3
28599.09  650.2928895.14  655.0529219.09   657.930324.78  681.8930993.63  683.32
31968.27  735.8832111.94  736.1832733.23  694.2532768.18  694.3334372.83  755.44
35423.37  751.62 35622.2  752.4635976.52  770.4136018.26  770.8336326.96   766.7
 36660.9  777.2536820.11  778.84 37599.8     79038300.51  791.8538653.86     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515759.25     .1516593.44     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15759.2516593.44                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1496396.00   156386.60   1696068.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)             1496396.00   156386.60   1696068.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3092399.00   479822.90   3157778.00
  Top Width (ft)          34471.74    Top Width (ft)           14461.35     834.19   19176.21
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)             2.07       3.07       1.86
  Max Chl Dpth (ft)         192.04    Hydr. Depth (ft)           103.48     187.47      88.45
  Conv. Total (cfs)       710593300.0    Conv. (cfs)            326513800.0   50662540.0   333416900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         14475.04     836.23   19185.91
  Min Ch El (ft)            567.89    Shear (lb/sq ft)             0.58       1.05       0.50
  Alpha                       1.05    Stream Power (lb/ft s)       1.20       3.21       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    142027.00   23428.01   168991.90
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  C & E Loss (ft)             0.00    Cum SA (acres)           1303.19     114.51    1586.06


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276070.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  181.55  793.29  590.67  778.88 1244.41     762 1408.91  755.66
 1671.63  748.24  1825.7   747.2 2147.88   747.2 2455.44  746.44 3281.48  717.73
 3347.54  714.37 3431.49   712.8  3441.9  712.72  3627.4  718.48 3792.88   717.2
 3924.41  715.85 4065.63  712.16 4410.82  703.88 4831.53  695.84 5144.62  694.83
 5279.35  693.43 5425.95  689.58 5489.02  686.32 5823.14  683.92 6145.02   683.6
 6274.87   684.4 6477.73   678.8 6631.15     676 6696.78   673.2 6741.95   673.2
 6880.58  675.15 7081.09  685.18 7139.14     683 7258.46  679.62 7593.43  665.09
 7637.58  664.79 7780.09  659.15 8050.28   636.3 8063.27  634.78 8222.45  628.48
  8350.3  627.58 8584.69  631.53 8745.79   630.4 8914.55  623.61 9086.18   620.9
 9219.14  605.34 9235.02   605.2  9317.7   599.6 9472.83   591.2 9525.67   591.2
 9564.41  593.75 9681.28  623.06 9780.52   629.610138.05  627.2210283.88  619.05
10335.35   611.510531.57   610.210764.24  623.0411041.12   621.211626.67   618.4
12975.21   618.413197.16   611.213767.73   611.214206.68     61414262.08   616.8
14533.18  614.7814539.61  607.5314637.96  606.2215245.67  591.4415763.04   585.6
15806.26  581.5615958.46   577.215997.73  573.2716059.52  567.8916462.12  567.89
16531.88  573.0416598.76   585.616688.06  609.5116707.19  612.1316947.22  639.78
 17390.3  645.2217828.57  648.3219954.69     64620070.71     64620301.79  646.41
20654.14  639.8421647.29   641.621906.44   644.423593.62   647.223978.62  648.53
24404.68  652.35 25059.6  661.5625285.11   662.826407.19   662.827046.85   655.6
27322.55   655.627900.48   652.8 28139.8  651.1728312.52  651.1528453.48  649.28
28603.11  650.2828899.13  655.0529223.04  657.8930328.62  681.8730997.39   683.3
31971.93  735.7932115.58   736.1 32736.8  694.2332771.75  694.3134376.23  755.35
35426.65  751.5535625.46  752.3935979.75  770.3436021.48  770.7636330.15  766.66
36664.05   777.236823.24   778.837602.86     79038303.48  791.86 38656.8     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515763.04     .1516598.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15763.0416598.76                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1496458.00   156665.30   1696391.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1496458.00   156665.30   1696391.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3091361.00   480545.10   3158094.00
  Top Width (ft)          34476.13    Top Width (ft)          14464.90     835.72   19175.51
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.07       3.07       1.86
  Max Chl Dpth (ft)         192.04    Hydr. Depth (ft)          103.45     187.46      88.47
  Conv. Total (cfs)       710765600.0    Conv. (cfs)            326483400.0   50751110.0   333531100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14478.57     837.76   19185.20
  Min Ch El (ft)            567.89    Shear (lb/sq ft)            0.58       1.05       0.49
  Alpha                       1.05    Stream Power (lb/ft s)      1.20       3.21       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    141855.30   23410.04   168797.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1301.53     114.41    1583.86


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276067.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  181.59  793.29  590.81  778.87 1244.71     762 1409.24  755.65
 1672.03  748.23 1826.14  747.19  2148.4  747.19 2456.03  746.43 3282.27  717.75
 3348.35  714.38 3432.32  712.81 3442.73  712.73 3628.27  718.48 3793.79  717.19
 3925.35  715.83  4066.6  712.14 4411.88  703.86 4832.69  695.83 5145.86  694.82
 5280.62  693.41 5427.26  689.55 5490.34  686.28 5824.54  683.88  6146.5  683.57
 6276.38  684.38 6479.29  678.76 6632.74  675.95 6698.39  673.14 6743.57  673.14
 6882.24   675.1 7082.79  685.13 7140.86  682.95 7260.21  679.59 7595.26  665.09
 7639.42   664.8 7781.96   659.2 8052.22  636.39 8065.21  634.87 8224.43  628.55
 8352.31  627.65 8586.76  631.62 8747.89  630.49 8916.69  623.69 9088.37  620.98
 9221.36  605.43 9237.25  605.29 9319.94  599.67  9475.1  591.24 9527.96  591.24
 9566.71   593.8 9683.61   623.1 9782.87  629.6710140.49  627.2810286.35  619.11
10337.83  611.58 10534.1  610.2710766.83  623.0911043.77  621.2411629.47  618.43
12978.33  618.4313200.34  611.2413771.04  611.24 14210.1  614.0514265.51  616.86
14536.67  614.8314543.11   607.614641.48  606.2815249.34  591.4715766.83  585.62
15810.19  581.5715962.88  577.2216002.27  573.2816064.25  567.89 16467.1  567.89
16537.03  573.0416604.08  585.6216693.37   609.5 16712.5  612.12 16952.5  639.75
17395.54  645.1817833.76  648.2819959.64  645.9520075.65  645.9520306.71  646.36
20659.02   639.821652.06  641.5721911.18  644.3823598.18  647.1923983.14  648.52
24409.15  652.34   25064  661.5725289.49  662.8126411.44  662.8127051.04  655.62
27326.71  655.6227904.58  652.8128143.87  651.1828316.57  651.1528457.52  649.27
28607.13  650.2728903.12  655.04   29227  657.8930332.45  681.8431001.16  683.28
31975.59   735.732119.22  736.0132740.38  694.2132775.32  694.2934379.63  755.26
35429.94  751.4735628.72  752.3335982.97  770.27 36024.7  770.6936333.34  766.61
 36667.2  777.1636826.37  778.76 37605.9     79038306.46  791.8738659.73     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515766.83     .1516604.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15766.8316604.08                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1496521.00   156942.70   1696742.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1496521.00   156942.70   1696742.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3090280.00   481254.30   3158466.00
```

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  Top Width (ft)          34480.39    Top Width (ft)          14468.45     837.25   19174.69
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.06       3.07       1.86
  Max Chl Dpth (ft)         192.04    Hydr. Depth (ft)          103.43     187.45      88.49
  Conv. Total (cfs)       710948000.0    Conv. (cfs)            326452900.0   50839040.0   333656000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14482.10     839.29   19184.36
  Min Ch El (ft)            567.89    Shear (lb/sq ft)            0.58       1.05       0.49
  Alpha                       1.05    Stream Power (lb/ft s)      1.19       3.21       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    141683.50   23392.04   168602.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1299.87     114.31    1581.66


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276064.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  181.63  793.28  590.95  778.85    1245  761.99 1409.58  755.64
 1672.43  748.22 1826.58  747.18 2148.91  747.18 2456.62  746.41 3283.06  717.77
 3349.15   714.4 3433.14  712.82 3443.56  712.74 3629.14  718.47 3794.71  717.18
  3926.3  715.82 4067.58  712.12 4412.94  703.84 4833.85  695.81  5147.1   694.8
 5281.89  693.39 5428.56  689.52 5491.66  686.25 5825.94  683.85 6147.98  683.55
 6277.89  684.36 6480.85  678.72 6634.34   675.9    6700  673.08  6745.2  673.08
 6883.89  675.05  7084.5  685.08 7142.57   682.9 7261.96  679.57 7597.09   665.1
 7641.26  664.82 7783.84  659.26 8054.16  636.47 8067.15  634.95 8226.41  628.62
 8354.32  627.73 8588.83  631.72 8749.99  630.59 8918.84  623.76 9090.56  621.05
 9223.58  605.52 9239.47  605.38 9322.18  599.74 9477.38  591.28 9530.25  591.28
 9569.01  593.85 9685.94  623.15 9785.22  629.7410142.93  627.3410288.83  619.18
10340.32  611.6610536.64  610.3410769.42  623.1411046.43  621.2811632.27  618.46
12981.45  618.4613203.51  611.2813774.36  611.2814213.52   614.114268.95  616.92
14540.17  614.8914546.61  607.6614645.01  606.3415253.01   591.515770.63  585.64
15814.12  581.5815967.29  577.24 16006.8  573.2916068.99  567.8916472.08  567.89
16542.18  573.0316609.39  585.6416698.67   609.5 16717.8  612.1216957.78  639.71
17400.77  645.1517838.94  648.24 19964.6   645.920080.59   645.920311.63  646.31
 20663.9  639.7621656.83  641.5421915.93  644.3623602.74  647.1823987.66  648.52
24413.63  652.3425068.41  661.5825293.87  662.82 26415.7  662.8227055.22  655.64
27330.87  655.6427908.68  652.8228147.94  651.1828320.62  651.1428461.55  649.26
28611.15  650.2528907.11  655.0329230.95  657.8830336.29  681.8131004.92  683.25
31979.24  735.6232122.87  735.9332743.95  694.1932778.89  694.2734383.02  755.17
35433.22   751.435631.98  752.2735986.19   770.236027.92  770.6336336.52  766.56
36670.36  777.11 36829.5  778.7237608.95     79038309.43  791.8738662.67     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515770.63     .1516609.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15770.6316609.39                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1496578.00   157217.30   1697087.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1496578.00   157217.30   1697087.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3089188.00   481961.40   3158851.00
  Top Width (ft)          34484.84    Top Width (ft)          14472.19     838.76   19173.88
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.06       3.07       1.86
  Max Chl Dpth (ft)         192.04    Hydr. Depth (ft)          103.41     187.44      88.51
  Conv. Total (cfs)       711122400.0    Conv. (cfs)            326417600.0   50926240.0   333778600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14485.84     840.80   19183.53
  Min Ch El (ft)            567.89    Shear (lb/sq ft)            0.58       1.05       0.49
  Alpha                       1.05    Stream Power (lb/ft s)      1.19       3.21       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    141511.70   23374.01   168407.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1298.21     114.22    1579.45


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276061.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  181.68  793.28  591.09  778.84  1245.3  761.99 1409.92  755.63
 1672.83  748.22 1827.01  747.17 2149.43  747.17 2457.21   746.4 3283.85  717.78
 3349.96  714.41 3433.97  712.83 3444.38  712.75 3630.02  718.47 3795.62  717.17
 3927.24  715.81 4068.56  712.11 4414.01  703.82 4835.01   695.8 5148.33  694.78
 5283.16  693.37 5429.87  689.49 5492.98  686.21 5827.34  683.82 6149.46  683.53
  6279.4  684.34  6482.4  678.68 6635.93  675.85 6701.61  673.02 6746.82  673.02
 6885.55     675  7086.2  685.02 7144.29  682.86  7263.7  679.54 7598.91  665.11
  7643.1  664.84 7785.71  659.32 8056.09  636.56 8069.09  635.04 8228.39  628.69
 8356.33   627.8 8590.89  631.82  8752.1  630.69 8920.98  623.84 9092.74  621.12
  9225.8  605.61 9241.69  605.47 9324.43  599.81 9479.66  591.32 9532.55  591.32
 9571.31   593.9 9688.27   623.2 9787.58  629.8110145.37   627.4 10291.3  619.25
10342.81  611.7310539.17  610.4110772.01  623.1811049.09  621.3211635.06  618.49
12984.58  618.4913206.69  611.3213777.67  611.3214216.94  614.1514272.38  616.98
14543.67  614.9414550.11  607.7214648.53   606.415256.68  591.5215774.42  585.66
15818.05   581.6 15971.7  577.2516011.34   573.316073.72  567.8916477.06  567.89
16547.33  573.0316614.71  585.6616703.98   609.516723.11  612.1216963.06  639.67
   17406  645.1117844.13   648.219969.55  645.8520085.54  645.8520316.54  646.26
20668.78  639.7321661.61  641.5121920.67  644.34 23607.3  647.1723992.18  648.51
 24418.1  652.3425072.81  661.5925298.25  662.8326419.96  662.8327059.41  655.66
27335.03  655.6627912.77  652.8328152.01  651.1928324.68  651.1428465.59  649.25
28615.18  650.24 28911.1  655.0329234.91  657.8730340.12  681.7831008.68  683.23
 31982.9  735.5332126.51  735.8432747.52  694.1732782.46  694.2434386.42  755.08
 35436.5  751.3335635.25   752.235989.42  770.1336031.14  770.5636339.71  766.51
 36673.5  777.0736832.64  778.68   37612     790 38312.4  791.8838665.61     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515774.42     .1516614.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15774.4216614.71                5       5       5             .1       .3
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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1496636.00   157494.70   1697436.00
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            1496636.00   157494.70   1697436.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3088109.00   482672.80   3159219.00
  Top Width (ft)          34489.22    Top Width (ft)          14475.74     840.29   19173.19
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.06       3.06       1.86
  Max Chl Dpth (ft)         192.04    Hydr. Depth (ft)          103.39     187.43      88.53
  Conv. Total (cfs)       711301100.0    Conv. (cfs)            326385600.0   51014220.0   333901300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14489.38     842.33   19182.82
  Min Ch El (ft)            567.89    Shear (lb/sq ft)            0.58       1.04       0.49
  Alpha                       1.05    Stream Power (lb/ft s)      1.19       3.20       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    141339.90   23355.95   168212.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1296.55     114.12    1577.25


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276058.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  181.72  793.27  591.24  778.83  1245.6  761.99 1410.26  755.63
 1673.24  748.21 1827.45  747.16 2149.95  747.16  2457.8  746.39 3284.64   717.8
 3350.76  714.43 3434.79  712.84 3445.21  712.76 3630.89  718.46 3796.53  717.16
 3928.19  715.79 4069.54  712.09 4415.07   703.8 4836.18  695.78 5149.57  694.76
 5284.43  693.36 5431.17  689.47 5494.31  686.18 5828.74  683.78 6150.94   683.5
 6280.91  684.32 6483.96  678.64 6637.53   675.8 6703.22  672.96 6748.44  672.96
  6887.2  674.94 7087.91  684.97 7146.01  682.81 7265.45  679.51 7600.74  665.11
 7644.94  664.86 7787.58  659.38 8058.03  636.65 8071.03  635.13 8230.37  628.77
 8358.34  627.87 8592.96  631.91  8754.2  630.78 8923.13  623.92 9094.93   621.2
 9228.02   605.7 9243.91  605.56 9326.67  599.88 9481.94  591.36 9534.84  591.36
 9573.61  593.95  9690.6  623.24 9789.93  629.8810147.81  627.4610293.78  619.32
10345.29  611.81 10541.7  610.4810774.61  623.2311051.74  621.3611637.86  618.52
 12987.7  618.5213209.87  611.3613780.98  611.3614220.35   614.214275.81  617.04
14547.17  614.9914553.61  607.7814652.05  606.4615260.35  591.5515778.21  585.68
15821.99  581.6115976.11  577.2716015.88  573.3116078.46  567.8916482.04  567.89
16552.48  573.0216620.03  585.6816709.29   609.516728.41  612.1116968.34  639.64
17411.23  645.0817849.31  648.1519974.51   645.820090.48   645.820321.46  646.22
20673.66  639.6921666.38  641.4821925.41  644.3223611.87  647.16 23996.7  648.51
24422.58  652.3325077.21   661.625302.63  662.8426424.22  662.84 27063.6  655.68
27339.18  655.6827916.87  652.8428156.08  651.1928328.73  651.1428469.63  649.23
 28619.2  650.2228915.08  655.0229238.86  657.8630343.95  681.7531012.44   683.2
31986.56  735.4432130.15  735.76 32751.1  694.1532786.03  694.2234389.82  754.99
35439.79  751.2635638.51  752.1435992.64  770.0636034.36  770.4936342.89  766.47
36676.66  777.0236835.77  778.6437615.05     79038315.38  791.8938668.54     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515778.21     .1516620.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15778.2116620.03                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1496694.00   157772.30   1697799.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1496694.00   157772.30   1697799.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3087011.00   483379.90   3159609.00
  Top Width (ft)          34493.40    Top Width (ft)          14479.21     841.82   19172.37
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.06       3.06       1.86
  Max Chl Dpth (ft)         192.04    Hydr. Depth (ft)          103.37     187.42      88.55
  Conv. Total (cfs)       711487200.0    Conv. (cfs)            326354900.0   51102320.0   334029900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14492.83     843.86   19181.99
  Min Ch El (ft)            567.89    Shear (lb/sq ft)            0.58       1.04       0.49
  Alpha                       1.05    Stream Power (lb/ft s)      1.19       3.20       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    141168.10   23337.85   168018.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1294.89     114.02    1575.05


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276055.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  181.77  793.27  591.38  778.82  1245.9  761.99  1410.6  755.62
 1673.64   748.2 1827.89  747.15 2150.46  747.15 2458.39  746.38 3285.43  717.82
 3351.57  714.44 3435.62  712.85 3446.04  712.77 3631.76  718.46 3797.44  717.15
 3929.13  715.78 4070.52  712.07 4416.13  703.78 4837.34  695.77 5150.81  694.74
  5285.7  693.34 5432.48  689.44 5495.63  686.14 5830.14  683.75 6152.42  683.48
 6282.42   684.3 6485.52   678.6 6639.13  675.75 6704.83   672.9 6750.06   672.9
 6888.86  674.89 7089.61  684.92 7147.73  682.77  7267.2  679.48 7602.57  665.12
 7646.77  664.87 7789.45  659.43 8059.97  636.74 8072.97  635.22 8232.35  628.84
 8360.35  627.94 8595.02  632.01 8756.31  630.88 8925.27    624 9097.12  621.27
 9230.23  605.79 9246.13  605.65 9328.91  599.95 9484.22   591.4 9537.13   591.4
 9575.91     594 9692.93  623.29 9792.28  629.9510150.25  627.5310296.25  619.39
10347.78  611.8910544.24  610.56 10777.2  623.28 11054.4   621.411640.66  618.55
12990.82  618.5513213.04   611.413784.29   611.414223.77  614.2514279.24   617.1
14550.66  615.04 14557.1  607.8514655.57  606.5315264.02  591.57   15782   585.7
15825.92  581.6215980.53  577.2916020.42  573.3216083.19  567.8916487.02  567.89
16557.64  573.0216625.35   585.7 16714.6   609.516733.72  612.1116973.62   639.6
17416.46  645.04 17854.5  648.1119979.46  645.7520095.42  645.7520326.38  646.17
20678.54  639.6521671.15  641.4521930.16   644.323616.43  647.1524001.22   648.5
24427.05  652.3325081.62  661.6225307.01  662.8526428.47  662.8527067.79   655.7
27343.34   655.727920.97  652.8528160.15  651.1928332.78  651.1428473.66  649.22
28623.22  650.2128919.07  655.0129242.81  657.8630347.79  681.7231016.21  683.18
31990.21  735.3632133.79  735.6732754.67  694.13 32789.6   694.234393.21  754.91
35443.07  751.1935641.77  752.0835995.87  769.9936037.58  770.4236346.08  766.42
 36679.8  776.98 36838.9   778.6 37618.1     79038318.35  791.8938671.48     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   15782     .1516625.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         1578216625.35                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1496741.00   158049.70   1698119.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1496741.00   158049.70   1698119.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3085950.00   484098.20   3159952.00
  Top Width (ft)          34497.67    Top Width (ft)          14482.76     843.35   19171.56
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.06       3.06       1.86
  Max Chl Dpth (ft)         192.04    Hydr. Depth (ft)          103.35     187.41      88.57
  Conv. Total (cfs)       711653600.0    Conv. (cfs)            326319100.0   51190230.0   334144300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14496.36     845.39   19181.17
  Min Ch El (ft)            567.89    Shear (lb/sq ft)            0.58       1.04       0.49
  Alpha                       1.05    Stream Power (lb/ft s)      1.19       3.20       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    140996.30   23319.73   167823.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1293.23     113.93    1572.85


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276052.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  181.81  793.26  591.52  778.81  1246.2  761.98 1410.94  755.61
 1674.04   748.2 1828.33  747.14 2150.98  747.14 2458.98  746.36 3286.22  717.83
 3352.37  714.46 3436.45  712.86 3446.87  712.78 3632.63  718.45 3798.36  717.14
 3930.07  715.76  4071.5  712.06 4417.19  703.76  4838.5  695.75 5152.05  694.72
 5286.97  693.32 5433.78  689.41 5496.95   686.1 5831.54  683.72  6153.9  683.46
 6283.93  684.28 6487.08  678.56 6640.72   675.7 6706.45  672.84 6751.69  672.84
 6890.52  674.84 7091.31  684.86 7149.45  682.72 7268.94  679.46 7604.39  665.13
 7648.61  664.89 7791.33  659.49  8061.9  636.83 8074.91  635.31 8234.32  628.91
 8362.36  628.02 8597.09   632.1 8758.41  630.98 8927.42  624.08  9099.3  621.35
 9232.45  605.88 9248.36  605.74 9331.15  600.02  9486.5  591.44 9539.42  591.44
 9578.21  594.05 9695.26  623.34 9794.64  630.0210152.69  627.5910298.73  619.45
10350.27  611.9610546.77  610.6310779.79  623.3211057.06  621.4411643.46  618.58
12993.94  618.5813216.22  611.4413787.61  611.4414227.19   614.314282.67  617.16
14554.16   615.1 14560.6  607.9114659.09  606.5915267.69   591.6 15785.8  585.72
15829.85  581.6315984.94  577.3116024.96  573.3316087.92  567.8916491.99  567.89
16562.79  573.0216630.66  585.72 16719.9   609.516739.02  612.11 16978.9  639.56
17421.69  645.0117859.68  648.0719984.41   645.720100.36   645.720331.29  646.12
20683.41  639.6221675.92  641.42 21934.9  644.2823620.99  647.1424005.74   648.5
24431.53  652.3325086.02  661.6325311.39  662.8626432.73  662.8627071.98  655.72
 27347.5  655.7227925.06  652.8628164.22   651.228336.83  651.14 28477.7  649.21
28627.24  650.1928923.06     65529246.77  657.8530351.62  681.6931019.97  683.16
31993.87  735.2732137.43  735.5932758.25  694.1132793.17  694.1834396.61  754.82
35446.36  751.1235645.03  752.0235999.09  769.92 36040.8  770.3536349.27  766.37
36682.95  776.9336842.04  778.5637621.15     79038321.32   791.938674.41     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 15785.8     .1516630.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       15785.816630.66                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1496805.00   158323.50   1698451.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1496805.00   158323.50   1698451.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3084891.00   484801.50   3160307.00
  Top Width (ft)          34502.12    Top Width (ft)          14486.50     844.86   19170.76
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.06       3.06       1.86
  Max Chl Dpth (ft)         192.04    Hydr. Depth (ft)          103.32     187.40      88.60
  Conv. Total (cfs)       711825900.0    Conv. (cfs)            326286100.0   51277010.0   334262800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14500.09     846.91   19180.34
  Min Ch El (ft)            567.89    Shear (lb/sq ft)            0.58       1.04       0.49
  Alpha                       1.05    Stream Power (lb/ft s)      1.19       3.19       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    140824.50   23301.57   167628.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1291.56     113.83    1570.65


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276049.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  181.85  793.26  591.66  778.79  1246.5  761.98 1411.28   755.6
 1674.44  748.19 1828.77  747.13  2151.5  747.13 2459.57  746.35 3287.01  717.85
 3353.18  714.48 3437.27  712.87  3447.7  712.79 3633.51  718.44 3799.27  717.13
 3931.02  715.75 4072.47  712.04 4418.25  703.74 4839.66  695.74 5153.29  694.71
 5288.24   693.3 5435.09  689.38 5498.27  686.07 5832.94  683.68 6155.37  683.44
 6285.44  684.26 6488.64  678.52 6642.32  675.65 6708.06  672.78 6753.31  672.78
 6892.17  674.78 7093.02  684.81 7151.16  682.68 7270.69  679.43 7606.22  665.13
 7650.45  664.91  7793.2  659.55 8063.84  636.92 8076.85   635.4  8236.3  628.98
 8364.37  628.09 8599.15   632.2 8760.52  631.07 8929.56  624.16 9101.49  621.42
 9234.67  605.97 9250.58  605.83 9333.39  600.09 9488.78  591.48 9541.71  591.48
 9580.51   594.1 9697.59  623.38 9796.99  630.0910155.13  627.65 10301.2  619.52
10352.76  612.0410549.31   610.710782.38  623.3711059.71  621.4811646.25  618.61
12997.06  618.6113219.39  611.4813790.92  611.4814230.61  614.3514286.11  617.22
14557.66  615.15 14564.1  607.9714662.62  606.6515271.35  591.6315789.59  585.74
15833.78  581.6415989.35  577.3216029.49  573.3416092.66  567.8816496.97  567.88
16567.94  573.0116635.98  585.7416725.21  609.4916744.33  612.1116984.18  639.53
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17426.92  644.9717864.86  648.0319989.37  645.65 20105.3  645.6520336.21  646.07
20688.29  639.5821680.69  641.3921939.64  644.2623625.55  647.1324010.26  648.49
   24436  652.3325090.42  661.6425315.77  662.8726436.99  662.8727076.17  655.74
27351.66  655.7427929.16  652.8728168.29   651.228340.88  651.1428481.74  649.19
28631.26  650.1828927.05     65529250.72  657.8430355.46  681.6631023.73  683.13
31997.53  735.1932141.07   735.532761.82  694.0932796.74  694.1634400.01  754.73
35449.64  751.0435648.29  751.9536002.31  769.8536044.02  770.2836352.45  766.32
36686.11  776.8836845.17  778.52 37624.2     79038324.29  791.9138677.34     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515789.59     .1516635.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15789.5916635.98                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1496858.00   158607.10   1698808.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1496858.00   158607.10   1698808.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3083780.00   485539.50   3160680.00
  Top Width (ft)          34506.49    Top Width (ft)          14490.04     846.39   19170.06
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.06       3.06       1.86
  Max Chl Dpth (ft)         192.05    Hydr. Depth (ft)          103.30     187.39      88.62
  Conv. Total (cfs)       712008700.0    Conv. (cfs)             326252400.0   51368250.0   334388100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14503.63     848.44   19179.63
  Min Ch El (ft)            567.88    Shear (lb/sq ft)            0.58       1.04       0.49
  Alpha                       1.05    Stream Power (lb/ft s)      1.19       3.19       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    140652.70   23283.38   167433.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1289.90     113.73    1568.45


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276046.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   181.9  793.25   591.8  778.78  1246.8  761.98 1411.62   755.6
 1674.84  748.18 1829.21  747.12 2152.01  747.12 2460.16  746.34  3287.8  717.87
 3353.99  714.49  3438.1  712.88 3448.52   712.8 3634.38  718.44 3800.18  717.12
 3931.96  715.73 4073.45  712.02 4419.31  703.72 4840.83  695.72 5154.52  694.69
 5289.51  693.28 5436.39  689.36 5499.59  686.03 5834.35  683.65 6156.85  683.41
 6286.95  684.24  6490.2  678.48 6643.91   675.6 6709.67  672.72 6754.93  672.72
 6893.83  674.73 7094.72  684.76 7152.88  682.63 7272.44   679.4 7608.05  665.14
 7652.29  664.92 7795.07   659.6 8065.78  637.01 8078.79  635.49 8238.28  629.05
 8366.38  628.16 8601.22  632.29 8762.62  631.17 8931.71  624.23 9103.68   621.5
 9236.89  606.06  9252.8  605.92 9335.64  600.16 9491.06  591.52 9544.01  591.52
 9582.82  594.15 9699.92  623.43 9799.34  630.1610157.57  627.7110303.68  619.59
10355.24  612.1210551.84  610.7710784.97  623.4211062.37  621.5211649.05  618.64
13000.19  618.6413222.57  611.5213794.23  611.5214234.03   614.414289.54  617.28
14561.15   615.2 14567.6  608.0314666.14  606.7115275.02  591.6515793.38  585.76
15837.71  581.6615993.77  577.3416034.03  573.3516097.39  567.8816501.95  567.88
16573.09  573.01 16641.3  585.7616730.52  609.4916749.63   612.116989.46  639.49
17432.16  644.9417870.05  647.9919994.32   645.620110.24   645.620341.13  646.02
20693.17  639.5521685.46  641.3621944.39  644.2423630.11  647.1224014.78  648.49
24440.47  652.3225094.83  661.6525320.15  662.8826441.25  662.8827080.36  655.76
27355.82  655.7627933.26  652.8828172.36  651.2128344.94  651.1428485.77  649.18
28635.28  650.1728931.04  654.9929254.67  657.8330359.29  681.6331027.49  683.11
32001.18   735.132144.71  735.4232765.39  694.0732800.31  694.1434403.41  754.64
35452.92  750.9735651.55  751.8936005.54  769.7836047.24  770.2136355.64  766.28
36689.25  776.84 36848.3  778.4837627.25     79038327.27  791.9138680.28     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515793.38     .15 16641.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15793.38 16641.3                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1496920.00   158883.30   1699143.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1496920.00   158883.30   1699143.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3082736.00   486243.50   3161021.00
  Top Width (ft)          34510.68    Top Width (ft)          14493.51     847.92   19169.25
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.06       3.06       1.86
  Max Chl Dpth (ft)         192.05    Hydr. Depth (ft)          103.28     187.38      88.64
  Conv. Total (cfs)       712186500.0    Conv. (cfs)             326223300.0   51455580.0   334507600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14507.08     849.97   19178.80
  Min Ch El (ft)            567.88    Shear (lb/sq ft)            0.58       1.04       0.49
  Alpha                       1.05    Stream Power (lb/ft s)      1.18       3.19       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    140480.90   23265.16   167238.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1288.24     113.64    1566.25


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276043.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   181.94  793.25   591.95  778.77  1247.1  761.98 1411.96   755.59
 1675.25  748.18 1829.65  747.11 2152.53  747.11 2460.75  746.33 3288.59  717.89
 3354.79  714.51 3438.92  712.89 3449.35  712.81 3635.25  718.43 3801.09  717.11
 3932.91  715.72 4074.43  712.01 4420.37   703.7 4841.99  695.71 5155.76  694.67
 5290.78  693.26  5437.7  689.33 5500.91  685.99 5835.75  683.62 6158.33  683.39
 6288.46  684.22 6491.76  678.44 6645.51  675.55 6711.28  672.66 6756.55  672.66
 6895.48  674.68 7096.43  684.71  7154.6  682.58 7274.18  679.38 7609.88  665.15
 7654.12  664.94 7796.94  659.66 8067.72  637.09 8080.73  635.57 8240.26  629.12
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 8368.39  628.23 8603.29  632.39 8764.73  631.27 8933.85  624.31 9105.86  621.57
 9239.11  606.15 9255.02  606.01 9337.88  600.23 9493.34  591.56  9546.3  591.56
 9585.12   594.2 9702.25  623.48  9801.7  630.2310160.01  627.7710306.15  619.66
10357.73  612.1910554.38  610.8410787.56  623.4611065.03  621.5611651.85  618.67
13003.31  618.6713225.74  611.5613797.54  611.5614237.45  614.4514292.97  617.34
14564.65  615.26 14571.1   608.114669.66  606.7715278.69  591.6815797.18  585.78
15841.64  581.6715998.18  577.3616038.57  573.3616102.13  567.8816506.93  567.88
16578.24      57316646.61  585.7816735.83  609.4916754.94   612.116994.74  639.46
17437.39   644.917875.23  647.9519999.28  645.5520115.19  645.5520346.05  645.97
20698.05  639.5121690.24  641.3321949.13  644.2223634.67  647.11 24019.3  648.48
24444.95  652.3225099.23  661.6625324.53  662.8926445.51  662.8927084.54  655.78
27359.98  655.7827937.35  652.8928176.44  651.2128348.99  651.1328489.81  649.17
 28639.3  650.1528935.03  654.9829258.63  657.8330363.12   681.631031.25  683.08
32004.84  735.0132148.36  735.3332768.97  694.0532803.88  694.12 34406.8  754.55
35456.21   750.935654.82  751.8336008.76  769.7136050.46  770.1436358.83  766.23
36692.41  776.7936851.43  778.4437630.29     79038330.24  791.9238683.21     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515797.18     .1516646.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15797.1816646.61                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1496968.00   159157.40   1699496.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1496968.00   159157.40   1699496.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3081634.00   486944.60   3161421.00
  Top Width (ft)          34514.96    Top Width (ft)          14497.07     849.43   19168.46
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.06       3.06       1.86
  Max Chl Dpth (ft)         192.05    Hydr. Depth (ft)          103.26     187.37      88.66
  Conv. Total (cfs)       712362900.0    Conv. (cfs)            326187500.0   51542540.0   334632900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14510.63     851.48   19177.99
  Min Ch El (ft)            567.88    Shear (lb/sq ft)            0.57       1.04       0.49
  Alpha                       1.05    Stream Power (lb/ft s)      1.18       3.19       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    140309.10   23246.91   167043.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1286.57     113.54    1564.05


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276040.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  181.98  793.24  592.09  778.76  1247.4  761.97  1412.3  755.58
 1675.65  748.17 1830.09   747.1 2153.05   747.1 2461.34  746.31 3289.38   717.9
  3355.6  714.52 3439.75   712.9 3450.18  712.82 3636.13  718.43 3802.01   717.1
 3933.85   715.7 4075.41  711.99 4421.44  703.69 4843.15   695.7    5157  694.65
 5292.05  693.24 5439.01   689.3 5502.23  685.96 5837.15  683.58 6159.81  683.37
 6289.97   684.2 6493.32   678.4  6647.1   675.5 6712.89   672.6 6758.17   672.6
 6897.14  674.62 7098.13  684.65 7156.32  682.54 7275.93  679.35  7611.7  665.15
 7655.96  664.96 7798.81  659.72 8069.65  637.18 8082.67  635.66 8242.24   629.2
  8370.4  628.31 8605.35  632.48 8766.83  631.36    8936  624.39 9108.05  621.65
 9241.33  606.24 9257.25   606.1 9340.12   600.3 9495.62   591.6 9548.59   591.6
 9587.42  594.24 9704.58  623.52 9804.05   630.310162.45  627.8310308.62  619.73
10360.22  612.2710556.91  610.9210790.15  623.5111067.68   621.611654.65   618.7
13006.43   618.713228.92   611.613800.86   611.614240.87   614.5 14296.4   617.4
14568.15  615.31 14574.6  608.1614673.18  606.8315282.36   591.715800.97   585.8
15845.57  581.6816002.59  577.3816043.11  573.3716106.86  567.8816511.91  567.88
16583.39      57316651.93   585.816741.13  609.4916760.24   612.117000.02  639.42
17442.62  644.8717880.42   647.920004.23   645.520120.13   645.520350.96  645.93
20702.93  639.4721695.01   641.321953.88   644.223639.23   647.124023.82  648.48
24449.42  652.3225103.63  661.67 25328.9   662.926449.76   662.927088.73   655.8
27364.14   655.827941.45   652.928180.51  651.2228353.04  651.1328493.85  649.16
28643.32  650.1428939.02  654.9829262.58  657.8230366.96  681.5831035.02  683.06
 32008.5  734.93   32152  735.2432772.54  694.0232807.45   694.1 34410.2  754.47
35459.49  750.8335658.08  751.7636011.98  769.6436053.68  770.0836362.01  766.18
36695.55  776.7536854.57   778.437633.34     79038333.21  791.9338686.15     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515800.97     .1516651.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15800.9716651.93                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1497033.00   159434.60   1699820.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1497033.00   159434.60   1699820.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3080593.00   487657.70   3161749.00
  Top Width (ft)          34519.51    Top Width (ft)          14500.79     850.96   19167.76
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.06       3.06       1.86
  Max Chl Dpth (ft)         192.04    Hydr. Depth (ft)          103.24     187.36      88.68
  Conv. Total (cfs)       712533400.0    Conv. (cfs)            326155400.0   51630360.0   334747600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14514.34     853.01   19177.27
  Min Ch El (ft)            567.88    Shear (lb/sq ft)            0.57       1.04       0.49
  Alpha                       1.05    Stream Power (lb/ft s)      1.18       3.18       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    140137.20   23228.62   166848.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1284.91     113.44    1561.85


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276037.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
```

```
       0     800  182.03  793.24  592.23  778.74  1247.7  761.97 1412.64  755.57
 1676.05  748.17 1830.53  747.09 2153.56  747.09 2461.94   746.3 3290.17  717.92
  3356.4  714.54 3440.57  712.91 3451.01  712.83    3637  718.42 3802.92  717.09
  3934.8  715.69 4076.39  711.97  4422.5  703.67 4844.31  695.68 5158.24  694.63
 5293.32  693.23 5440.31  689.28 5503.55  685.92 5838.55  683.55 6161.29  683.34
 6291.48  684.18 6494.87  678.36  6648.7  675.45  6714.5  672.54  6759.8  672.54
 6898.79  674.57 7099.83   684.6 7158.04  682.49 7277.68  679.32 7613.53  665.16
  7657.8  664.98 7800.69  659.77 8071.59  637.27 8084.61  635.75 8244.22  629.27
 8372.41  628.38 8607.42  632.58 8768.93  631.46 8938.14  624.47 9110.23  621.72
 9243.54  606.33 9259.47  606.19 9342.36  600.37  9497.9  591.64 9550.88  591.64
 9589.72  594.29  9706.9  623.57 9806.41  630.3710164.89  627.89 10311.1  619.79
 10362.7  612.3510559.44  610.9910792.74  623.5611070.34  621.6411657.44  618.73
13009.55  618.7313232.09  611.6413804.17  611.6414244.28  614.5514299.83  617.46
14571.65  615.36 14578.1  608.2214676.71  606.8915286.03  591.7315804.76  585.82
 15849.5  581.6916007.01   577.416047.64  573.3816111.59  567.8816516.89  567.88
16588.54  572.9916657.25  585.8216746.44  609.4916765.55  612.09 17005.3  639.38
17447.85  644.83 17885.6  647.8620009.19  645.4520125.07  645.4520355.88  645.88
20707.81  639.4421699.78  641.2721958.62  644.18 23643.8  647.0924028.34  648.47
24453.89  652.3125108.04  661.6925333.28  662.9126454.02  662.9127092.92  655.82
 27368.3  655.8227945.54  652.9128184.58  651.2228357.09  651.1328497.88  649.14
28647.34  650.1228943.01  654.9729266.54  657.8130370.79  681.5531038.78  683.04
32012.15  734.8432155.64  735.1632776.12     69432811.02  694.08 34413.6  754.38
35462.77  750.7635661.34   751.736015.21  769.57 36056.9  770.01 36365.2  766.13
36698.71   776.7 36857.7  778.3637636.39     79038336.19  791.9338689.09     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515804.76     .1516657.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15804.7616657.25                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1497085.00   159712.50   1700165.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1497085.00   159712.50   1700165.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3079508.00   488368.80   3162123.00
  Top Width (ft)          34523.79    Top Width (ft)          14504.34     852.49   19166.95
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.06       3.06       1.86
  Max Chl Dpth (ft)         192.04    Hydr. Depth (ft)          103.22     187.35      88.70
  Conv. Total (cfs)       712710300.0    Conv. (cfs)            326121400.0   51718500.0   334870400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14517.88     854.54   19176.45
  Min Ch El (ft)            567.88    Shear (lb/sq ft)            0.57       1.04       0.49
  Alpha                       1.05    Stream Power (lb/ft s)      1.18       3.18       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    139965.40   23210.30   166652.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1283.24     113.34    1559.65


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276034.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  182.07  793.24  592.37  778.73    1248  761.97 1412.97  755.56
 1676.45  748.16 1830.97  747.08 2154.08  747.08 2462.53  746.29 3290.96  717.94
 3357.21  714.55  3441.4  712.92 3451.84  712.84 3637.87  718.42 3803.83  717.08
 3935.74  715.67 4077.37  711.96 4423.56  703.65 4845.48  695.67 5159.48  694.61
 5294.59  693.21 5441.62  689.25 5504.87  685.88 5839.95  683.52 6162.77  683.32
 6292.99  684.16 6496.43  678.32  6650.3   675.4 6716.11  672.48 6761.42  672.48
 6900.45  674.52 7101.54  684.55 7159.75  682.45 7279.42  679.29 7615.36  665.17
 7659.64  664.99 7802.56  659.83 8073.53  637.36 8086.55  635.84  8246.2  629.34
 8374.42  628.45 8609.48  632.67 8771.04  631.56 8940.29  624.55 9112.42   621.8
 9245.76  606.42 9261.69  606.28 9344.61  600.44 9500.18  591.68 9553.18  591.68
 9592.02  594.34 9709.23  623.62 9808.76  630.4410167.33  627.9610313.57  619.86
10365.19  612.4210561.98  611.0610795.33   623.6   11073  621.6811660.24  618.76
13012.67  618.7613235.27  611.6813807.48  611.68 14247.7   614.614303.26  617.52
14575.14  615.4114581.59  608.2814680.23  606.95 15289.7  591.7515808.56  585.84
15853.43   581.716011.42  577.4116052.18  573.3916116.33  567.8816521.87  567.88
 16593.7  572.9916662.56  585.8416751.75  609.4816770.85  612.0917010.58  639.35
17453.08   644.817890.79  647.8220014.14   645.420130.01   645.4 20360.8  645.83
20712.69   639.421704.55  641.2421963.36  644.1623648.36  647.0824032.86  648.47
24458.37  652.3125112.44   661.725337.66  662.9226458.28  662.9227097.11  655.84
27372.46  655.8427949.64  652.9228188.65  651.2228361.14  651.1328501.92  649.13
28651.36  650.1128946.99  654.9629270.49   657.830374.63  681.5231042.54  683.01
32015.81  734.7532159.28  735.0732779.69  693.9832814.59  694.06   34417  754.29
35466.06  750.6935664.61  751.6436018.43   769.536060.12  769.9436368.39  766.09
36701.86  776.6636860.83  778.3237639.44     79038339.16  791.9438692.02     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515808.56     .1516662.56     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15808.5616662.56                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1497140.00   159987.20   1700513.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1497140.00   159987.20   1700513.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3078426.00   489071.20   3162503.00
  Top Width (ft)          34528.07    Top Width (ft)          14507.90     854.00   19166.16
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.06       3.06       1.86
  Max Chl Dpth (ft)         192.04    Hydr. Depth (ft)          103.19     187.34      88.72
  Conv. Total (cfs)       712888100.0    Conv. (cfs)            326088100.0   51805800.0   334994200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14521.43     856.05   19175.64
  Min Ch El (ft)            567.88    Shear (lb/sq ft)            0.57       1.04       0.49
  Alpha                       1.05    Stream Power (lb/ft s)      1.18       3.18       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    139793.50   23191.96   166457.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1281.58     113.25    1557.45


CROSS SECTION
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RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276032.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  182.11  793.23  592.51  778.72  1248.3  761.96 1413.31  755.56
 1676.86  748.15 1831.41  747.07  2154.6  747.07 2463.12  746.28 3291.75  717.95
 3358.01  714.57 3442.23  712.93 3452.67  712.85 3638.74  718.41 3804.74  717.07
 3936.68  715.66 4078.34  711.94 4424.62  703.63 4846.64  695.65 5160.71  694.59
 5295.86  693.19 5442.92  689.22 5506.19  685.85 5841.35  683.48 6164.25   683.3
  6294.5  684.14 6497.99  678.28 6651.89  675.35 6717.73  672.42 6763.04  672.42
  6902.1  674.47 7103.24  684.49 7161.47   682.4 7281.17  679.27 7617.19  665.17
 7661.48  665.01 7804.43  659.89 8075.46  637.45 8088.49  635.93 8248.17  629.41
 8376.42  628.53 8611.55  632.77 8773.14  631.65 8942.43  624.63 9114.61  621.87
 9247.98  606.52 9263.91  606.37 9346.85  600.51 9502.46  591.72 9555.47  591.72
 9594.32  594.39 9711.56  623.66 9811.11  630.5110169.77  628.0210316.05  619.93
10367.68   612.510564.51  611.1310797.92  623.6511075.66  621.7211663.04  618.79
 13015.8  618.7913238.45  611.72 13810.8  611.7214251.12  614.65 14306.7  617.58
14578.64  615.4714585.09  608.3514683.75  607.0115293.37  591.7815812.35  585.86
15857.36  581.7116015.83  577.4316056.72   573.416121.06  567.8816526.85  567.88
16598.85  572.9916667.88  585.8616757.06  609.4816776.16  612.0917015.86  639.31
17458.31  644.7617895.97  647.78 20019.1  645.3520134.96  645.3520365.71  645.78
20717.57  639.3621709.32  641.2121968.11  644.1423652.92  647.0724037.38  648.46
24462.84  652.3125116.84  661.7125342.04  662.9326462.54  662.93 27101.3  655.86
27376.62  655.8627953.74  652.9328192.72  651.23 28365.2  651.1328505.96  649.12
28655.38  650.0928950.98  654.9629274.44   657.830378.46  681.49 31046.3  682.99
32019.47  734.6732162.92  734.9932783.27  693.9632818.16  694.0434420.39   754.2
35469.34  750.6235667.87  751.5836021.66  769.4336063.34  769.8736371.57  766.04
36705.01  776.6136863.96  778.2837642.49     79038342.13  791.9538694.95     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515812.35     .1516667.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15812.3516667.88                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1497195.00   160264.30   1700843.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)             1497195.00   160264.30   1700843.00
  Q Total (cfs)           6730000.00    Flow (cfs)               3077363.00   489782.20   3162855.00
  Top Width (ft)          34532.44    Top Width (ft)           14511.54     855.53   19165.36
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)             2.06       3.06       1.86
  Max Chl Dpth (ft)         192.04    Hydr. Depth (ft)           103.17     187.33      88.75
  Conv. Total (cfs)       713059400.0    Conv. (cfs)            326053900.0   51893580.0   335111900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         14525.06     857.59   19174.82
  Min Ch El (ft)            567.88    Shear (lb/sq ft)             0.57       1.04       0.49
  Alpha                       1.05    Stream Power (lb/ft s)       1.18       3.18       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    139621.70   23173.58   166262.50
  C & E Loss (ft)             0.00    Cum SA (acres)            1279.91     113.15    1555.25


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276029.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  182.16  793.23  592.66  778.71  1248.6  761.96 1413.65  755.55
 1677.26  748.15 1831.85  747.06 2155.11  747.06 2463.71  746.26 3292.54  717.97
 3358.82  714.59 3443.05  712.94 3453.49  712.86 3639.62  718.41 3805.66  717.06
 3937.63  715.64 4079.32  711.92 4425.68  703.61  4847.8  695.64 5161.95  694.58
 5297.13  693.17 5444.23  689.19 5507.51  685.81 5842.75  683.45 6165.72  683.27
 6296.01  684.12 6499.55  678.24 6653.49   675.3 6719.34  672.36 6764.66  672.36
 6903.76  674.41 7104.95  684.44 7163.19  682.35 7282.92  679.24 7619.01  665.18
 7663.31  665.03  7806.3  659.94  8077.4  637.54 8090.43  636.02 8250.15  629.48
 8378.43   628.6 8613.61  632.86 8775.25  631.75 8944.58   624.7 9116.79  621.95
  9250.2  606.61 9266.13  606.46 9349.09  600.58 9504.74  591.76 9557.76  591.76
 9596.62  594.44 9713.89  623.71 9813.47  630.5810172.21  628.0810318.52     620
10370.17  612.5810567.05  611.2110800.51   623.711078.31  621.7611665.84  618.82
13018.92  618.8213241.62  611.7613814.11  611.7614254.54   614.714310.13  617.64
14582.14  615.5214588.59  608.4114687.27  607.0715297.03  591.8115816.14  585.88
15861.29  581.7316020.25  577.4516061.26  573.41 16125.8  567.8816531.83  567.88
   16604  572.98 16673.2  585.8816762.36  609.4816781.46  612.0817021.13  639.27
17463.54  644.7317901.15  647.7420024.05   645.3 20139.9   645.320370.63  645.73
20722.45  639.33 21714.1  641.1821972.85  644.1223657.48  647.06 24041.9  648.46
24467.32   652.325121.25  661.7225346.42  662.9426466.79  662.9427105.49  655.88
27380.77  655.8827957.84  652.9428196.79  651.2328369.25  651.13   28510   649.1
 28659.4  650.0828954.97  654.95 29278.4  657.79 30382.3  681.4631050.06  682.97
32023.12  734.5832166.56   734.932786.84  693.9432821.73  694.0234423.79  754.11
35472.62  750.5435671.13  751.5136024.88  769.3636066.56   769.836374.76  765.99
36708.16  776.56 36867.1  778.2437645.54     79038345.11  791.9538697.89     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515816.14     .15 16673.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15816.14 16673.2                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1497250.00   160540.60   1701194.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)             1497250.00   160540.60   1701194.00
  Q Total (cfs)           6730000.00    Flow (cfs)               3076283.00   490484.80   3163232.00
  Top Width (ft)          34536.81    Top Width (ft)           14515.09     857.06   19164.66
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)             2.05       3.06       1.86
  Max Chl Dpth (ft)         192.04    Hydr. Depth (ft)           103.15     187.32      88.77
  Conv. Total (cfs)       713237500.0    Conv. (cfs)            326020800.0   51981000.0   335235600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         14528.59     859.11   19174.10
```

```
  Min Ch El (ft)            567.88    Shear (lb/sq ft)            0.57       1.04       0.49
  Alpha                       1.05    Stream Power (lb/ft s)      1.18       3.17       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    139449.80   23155.16   166067.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1278.25     113.05    1553.05


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276026.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   182.2  793.22   592.8  778.69  1248.9  761.96 1413.99  755.54
 1677.66  748.14 1832.29  747.05 2155.63  747.05  2464.3  746.25 3293.32  717.99
 3359.62   714.6 3443.88  712.95 3454.32  712.87 3640.49   718.4 3806.57  717.05
 3938.57  715.63  4080.3   711.9 4426.74  703.59 4848.96  695.62 5163.19  694.56
  5298.4  693.15 5445.53  689.17 5508.83  685.77 5844.15  683.42  6167.2  683.25
 6297.52   684.1 6501.11   678.2 6655.08  675.25 6720.95   672.3 6766.29   672.3
 6905.42  674.36 7106.65  684.39 7164.91  682.31 7284.66  679.21 7620.84  665.19
 7665.15  665.04 7808.17     660 8079.34  637.63 8092.37  636.11 8252.13  629.55
 8380.44  628.67 8615.68  632.96 8777.35  631.85 8946.72  624.78 9118.98  622.02
 9252.42   606.7 9268.36  606.55 9351.33  600.65 9507.02   591.8 9560.05   591.8
 9598.93  594.49 9716.22  623.76 9815.82  630.6510174.65  628.14   10321  620.07
10372.65  612.6510569.58  611.28 10803.1  623.7411080.97   621.811668.63  618.85
13022.04  618.85 13244.8   611.813817.42   611.814257.96  614.7514313.56   617.7
14585.63  615.5714592.09  608.4714690.79  607.13 15300.7  591.8315819.93   585.9
15865.22  581.7416024.66  577.47 16065.8  573.4116130.53  567.88 16536.8  567.88
16609.15  572.9816678.52   585.916767.67  609.4816786.77  612.0817026.41  639.24
17468.78  644.6917906.34   647.720029.01  645.2520144.84  645.2520375.55  645.68
20727.32  639.2921718.87  641.15 21977.6   644.123662.04  647.0524046.42  648.45
24471.79   652.325125.65  661.73 25350.8  662.9526471.05  662.9527109.68   655.9
27384.93   655.927961.93  652.9528200.86  651.24 28373.3  651.1228514.03  649.09
28663.42  650.0728958.96  654.9429282.35  657.7830386.13  681.4331053.83  682.94
32026.78  734.4932170.21  734.8232790.41  693.92 32825.3     69434427.19  754.03
35475.91  750.4735674.39  751.4536028.11  769.2936069.78  769.7336377.95  765.94
 36711.3  776.5236870.23   778.237648.59     79038348.08  791.9638700.82     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515819.93     .1516678.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15819.9316678.52                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1497311.00   160818.20   1701531.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1497311.00   160818.20   1701531.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3075227.00   491193.20   3163580.00
  Top Width (ft)          34541.09    Top Width (ft)          14518.64     858.59   19163.86
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.05       3.05       1.86
  Max Chl Dpth (ft)         192.04    Hydr. Depth (ft)          103.13     187.31      88.79
  Conv. Total (cfs)       713414900.0    Conv. (cfs)             325990000.0   52069030.0   335355800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14532.13     860.65   19173.29
  Min Ch El (ft)            567.88    Shear (lb/sq ft)            0.57       1.04       0.49
  Alpha                       1.05    Stream Power (lb/ft s)      1.18       3.17       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    139278.00   23136.72   165871.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1276.58     112.95    1550.85


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276023.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  182.25  793.22  592.94  778.68  1249.2  761.96 1414.33  755.53
 1678.06  748.13 1832.73  747.04 2156.15  747.04 2464.89  746.24 3294.11  718.01
 3360.43  714.62  3444.7  712.96 3455.15  712.87 3641.36   718.4 3807.48  717.04
 3939.52  715.61 4081.28  711.89  4427.8  703.57 4850.13  695.61 5164.43  694.54
 5299.67  693.13 5446.84  689.14 5510.16  685.74 5845.56  683.39 6168.68  683.23
 6299.03  684.08 6502.67  678.16 6656.68   675.2 6722.56  672.24 6767.91  672.24
 6907.07  674.31 7108.35  684.33 7166.62  682.26 7286.41  679.18 7622.67  665.19
 7666.99  665.06 7810.05  660.06 8081.28  637.71 8094.31  636.19 8254.11  629.62
 8382.45  628.74 8617.75  633.05 8779.46  631.94 8948.87  624.86 9121.17  622.09
 9254.64  606.79 9270.58  606.64 9353.57  600.72  9509.3  591.84 9562.34  591.84
 9601.23  594.54 9718.55   623.8 9818.17  630.7210177.09   628.210323.47  620.13
10375.14  612.7310572.11  611.3510805.69  623.7911083.62   621.8411671.43  618.88
13025.16  618.8813247.97  611.8413820.74  611.8414261.38   614.814316.99  617.76
14589.13  615.6314595.59  608.5314694.32  607.1915304.37   591.8615823.73  585.92
15869.15  581.7516029.07  577.4816070.33  573.4216135.26  567.8716541.78  567.87
 16614.3  572.9716683.83  585.9216772.98  609.4816792.07  612.0817031.69   639.2
17474.01  644.6617911.52  647.6520033.96   645.220149.78   645.220380.47  645.63
20732.21  639.2621723.64  641.1221982.34  644.0823666.61  647.0424050.94  648.45
24476.27   652.325130.05  661.7425355.18  662.9626475.31  662.9627113.87  655.92
27389.09  655.9227966.03  652.9628204.93  651.2428377.35  651.1228518.07  649.08
28667.44  650.0528962.95  654.93 29286.3  657.7730389.96   681.431057.59  682.92
32030.44  734.4132173.85  734.7332793.99   693.932828.87  693.9834430.59  753.94
35479.19   750.435677.66  751.3936031.33  769.22   36073  769.6636381.13  765.89
36714.46  776.4736873.37  778.1637651.64     79038351.05  791.9738703.76     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515823.73     .1516683.83     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15823.7316683.83                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)             5.00       5.00       5.00
```

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  Crit W.S. (ft)                      Flow Area (sq ft)       1497365.00   161098.10   1701876.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1497365.00   161098.10   1701876.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3074139.00   491918.70   3163942.00
  Top Width (ft)          34545.37    Top Width (ft)          14522.20     860.10   19163.07
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.05       3.05       1.86
  Max Chl Dpth (ft)         192.05    Hydr. Depth (ft)          103.11     187.30      88.81
  Conv. Total (cfs)       713594500.0    Conv. (cfs)             325956700.0   52159060.0   335478700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14535.68     862.16   19172.48
  Min Ch El (ft)            567.87    Shear (lb/sq ft)            0.57       1.04       0.49
  Alpha                       1.05    Stream Power (lb/ft s)      1.17       3.17       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    139106.10   23118.25   165676.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1274.91     112.85    1548.65


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276020.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  182.29  793.21  593.08  778.67  1249.5  761.95 1414.67  755.52
 1678.46  748.13 1833.16  747.03 2156.66  747.03 2465.48  746.22  3294.9  718.02
 3361.24  714.63 3445.53  712.97 3455.98  712.88 3642.24  718.39  3808.4  717.03
 3940.46   715.6 4082.26  711.87 4428.86  703.55 4851.29  695.59 5165.67  694.52
 5300.94  693.11 5448.15  689.11 5511.48   685.7 5846.96  683.35 6170.16  683.21
 6300.54  684.06 6504.23  678.12 6658.27  675.15 6724.17  672.18 6769.53  672.18
 6908.73  674.25 7110.06  684.28 7168.34  682.22 7288.16  679.16 7624.49   665.2
 7668.83  665.08 7811.92  660.11 8083.21   637.8 8096.25  636.28 8256.09   629.7
 8384.46  628.82 8619.81  633.15 8781.56  632.04 8951.01  624.94 9123.35  622.17
 9256.86  606.88  9272.8  606.73 9355.82  600.79 9511.58  591.88 9564.64  591.88
 9603.53  594.59 9720.88  623.85 9820.53  630.7910179.53  628.2610325.95   620.2
10377.63  612.8110574.65  611.4210808.28  623.8411086.28  621.8811674.23  618.91
13028.29  618.9113251.15  611.8813824.05  611.8814264.79  614.8514320.42  617.82
14592.63  615.6814599.09   608.614697.84  607.2515308.04  591.8815827.52  585.94
15873.08  581.7616033.49   577.516074.87  573.43   16140  567.8716546.76  567.87
16619.46  572.9716689.15  585.9416778.29  609.4816797.38  612.0817036.97  639.16
17479.24  644.6217916.71  647.6120038.92  645.1520154.72  645.1520385.38  645.59
20737.08  639.2221728.41  641.0921987.08  644.0623671.17  647.0324055.46  648.44
24480.74  652.2925134.46  661.7625359.56  662.9726479.57  662.9727118.05  655.94
27393.25  655.9427970.12  652.97   28209  651.24 28381.4  651.1228522.11  649.07
28671.46  650.0428966.94  654.9329290.26  657.77 30393.8  681.3731061.35  682.89
 32034.1  734.3232177.49  734.6532797.56  693.8832832.44  693.9634433.98  753.85
35482.48  750.3335680.92  751.3236034.55  769.1536076.21  769.5936384.32  765.85
36717.61  776.43 36876.5  778.1237654.68     79038354.03  791.97 38706.7     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515827.52     .1516689.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15827.5216689.15                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1497430.00   161375.30   1702221.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1497430.00   161375.30   1702221.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3073075.00   492624.20   3164301.00
  Top Width (ft)          34549.93    Top Width (ft)          14525.92     861.63   19162.38
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.05       3.05       1.86
  Max Chl Dpth (ft)         192.05    Hydr. Depth (ft)          103.09     187.29      88.83
  Conv. Total (cfs)       713771800.0    Conv. (cfs)             325924800.0   52246840.0   335600100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14539.38     863.69   19171.77
  Min Ch El (ft)            567.87    Shear (lb/sq ft)            0.57       1.04       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.17       3.17       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    138934.20   23099.74   165481.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1273.25     112.75    1546.45


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276017.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  182.33  793.21  593.22  778.66  1249.8  761.95 1415.01  755.52
 1678.87  748.12  1833.6  747.02 2157.18  747.02 2466.07  746.21 3295.69  718.04
 3362.04  714.65 3446.35  712.98 3456.81  712.89 3643.11  718.38 3809.31  717.02
 3941.41  715.58 4083.24  711.85 4429.93  703.53 4852.45  695.58  5166.9   694.5
 5302.21  693.09 5449.45  689.09  5512.8  685.66 5848.36  683.32 6171.64  683.18
 6302.05  684.04 6505.79  678.08 6659.87   675.1 6725.78  672.12 6771.15  672.12
 6910.38   674.2 7111.76  684.23 7170.06  682.17  7289.9  679.13 7626.32  665.21
 7670.67  665.09 7813.79  660.17 8085.15  637.89 8098.19  636.37 8258.07  629.77
 8386.47  628.89 8621.88  633.24 8783.67  632.14 8953.16  625.02 9125.54  622.24
 9259.07  606.97 9275.02  606.82 9358.06  600.86 9513.85  591.92 9566.93  591.92
 9605.83  594.64 9723.21   623.9 9822.88  630.8610181.97  628.3210328.42  620.27
10380.11  612.8910577.18  611.4910810.87  623.8811088.94  621.9211677.03  618.94
13031.41  618.9413254.32  611.9213827.36  611.9214268.21   614.914323.86  617.88
14596.12  615.7314602.59  608.6614701.36  607.3215311.71  591.9115831.31  585.96
15877.01  581.77 16037.9  577.5216079.41  573.4416144.73  567.8716551.74  567.87
16624.61  572.9716694.47  585.9616783.59  609.4716802.69  612.0717042.25  639.13
17484.47  644.5917921.89  647.5720043.87   645.120159.67   645.1 20390.3  645.54
20741.96  639.1821733.18  641.0621991.83  644.0423675.73  647.0224059.98  648.43
24485.21  652.2925138.86  661.7725363.94  662.9826483.83  662.9827122.24  655.96
27397.41  655.9627974.22  652.9828213.07  651.2528385.46  651.1228526.14  649.05
28675.49  650.0228970.93  654.9229294.21  657.7630397.63  681.3431065.11  682.87
32037.75  734.2332181.13  734.5632801.14  693.8632836.01  693.9434437.38  753.76
35485.76  750.2635684.18  751.2636037.78  769.0836079.43  769.53 36387.5   765.8
36720.76  776.3836879.63  778.0837657.73     790   38357  791.9838709.63     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515831.31     .1516694.47     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15831.3116694.47                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1497480.00   161652.20   1702565.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1497480.00   161652.20   1702565.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3071997.00   493328.80   3164674.00
  Top Width (ft)          34554.13    Top Width (ft)          14529.39     863.16   19161.58
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.05       3.05       1.86
  Max Chl Dpth (ft)         192.05    Hydr. Depth (ft)          103.07     187.28      88.85
  Conv. Total (cfs)       713948700.0    Conv. (cfs)            325891200.0   52334540.0   335722900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14542.83     865.22   19170.95
  Min Ch El (ft)            567.87    Shear (lb/sq ft)            0.57       1.04       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.17       3.16       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    138762.30   23081.20   165285.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1271.58     112.65    1544.25


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276014.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  182.38   793.2  593.37  778.65 1250.09  761.95 1415.35  755.51
 1679.27  748.12 1834.04  747.01  2157.7  747.01 2466.66   746.2 3296.48  718.06
 3362.85  714.66 3447.18  712.99 3457.64   712.9 3643.98  718.38 3810.22  717.01
 3942.35  715.57 4084.21  711.84 4430.99  703.51 4853.61  695.56 5168.14  694.48
 5303.48  693.08 5450.76  689.06 5514.12  685.63 5849.76  683.29 6173.12  683.16
 6303.56  684.02 6507.34  678.04 6661.46  675.05 6727.39  672.06 6772.77  672.06
 6912.04  674.15 7113.46  684.18 7171.78  682.13 7291.65   679.1 7628.15  665.21
  7672.5  665.11 7815.66  660.23 8087.09  637.98 8100.13  636.46 8260.04  629.84
 8388.48  628.96 8623.94  633.34 8785.77  632.23  8955.3   625.1 9127.73  622.32
 9261.29  607.06 9277.25  606.91  9360.3  600.93 9516.13  591.96 9569.22  591.96
 9608.13  594.69 9725.54  623.94 9825.23  630.9310184.41  628.39 10330.9  620.34
 10382.6  612.9610579.72  611.5710813.46  623.93 11091.6  621.9611679.83  618.97
13034.53  618.97 13257.5  611.9613830.67  611.9614271.63  614.9514327.29  617.94
14599.62  615.7814606.08  608.7214704.88  607.3815315.38  591.9315835.11  585.98
15880.94  581.7816042.31  577.5416083.95  573.4516149.47  567.8716556.72  567.87
16629.76  572.9616699.78  585.98 16788.9  609.4716807.99  612.0717047.53  639.09
 17489.7  644.5517927.07  647.5320048.82  645.0520164.61  645.0520395.22  645.49
20746.84  639.1521737.95  641.0321996.57  644.0223680.29  647.01 24064.5  648.43
24489.69  652.2925143.26  661.7825368.31  662.9926488.08  662.9927126.43  655.98
27401.57  655.9827978.32  652.9928217.14  651.2528389.51  651.1228530.18  649.04
28679.51  650.0128974.91  654.9129298.17  657.7530401.47  681.3131068.88  682.85
32041.41  734.1532184.77  734.4832804.71  693.8432839.59  693.9234440.78  753.67
35489.04  750.1935687.44   751.2   36041  769.0136082.66  769.4636390.69  765.75
36723.91  776.3436882.77  778.0437660.78     79038359.97  791.9938712.57     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515835.11     .1516699.78     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15835.1116699.78                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1497528.00   161925.80   1702897.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1497528.00   161925.80   1702897.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3070930.00   494029.20   3165041.00
  Top Width (ft)          34558.41    Top Width (ft)          14532.95     864.67   19160.79
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.05       3.05       1.86
  Max Chl Dpth (ft)         192.05    Hydr. Depth (ft)          103.04     187.27      88.87
  Conv. Total (cfs)       714118400.0    Conv. (cfs)            325855500.0   52421300.0   335841600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14546.39     866.73   19170.14
  Min Ch El (ft)            567.87    Shear (lb/sq ft)            0.57       1.04       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.17       3.16       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    138590.50   23062.63   165090.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1269.91     112.56    1542.05


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276011.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  182.42   793.2  593.51  778.63 1250.39  761.95 1415.69   755.5
 1679.67  748.11 1834.48     747 2158.22     747 2467.25  746.19 3297.27  718.07
 3363.65  714.68 3448.01     713 3458.46  712.91 3644.85  718.37 3811.13     717
 3943.29  715.55 4085.19  711.82 4432.05  703.49 4854.78  695.55 5169.38  694.47
 5304.76  693.06 5452.06  689.03 5515.44  685.59 5851.16  683.25  6174.6  683.14
 6305.07     684  6508.9     678 6663.06     675 6729.01     672  6774.4     672
 6913.69  674.09 7115.17  684.12  7173.5  682.08  7293.4  679.08 7629.98  665.22
 7674.34  665.13 7817.53  660.28 8089.02  638.07 8102.07  636.55 8262.02  629.91
 8390.49  629.04 8626.01  633.43 8787.88  632.33 8957.45  625.17 9129.91  622.39
 9263.51  607.15 9279.47     607 9362.54     601 9518.41     592 9571.51     592
 9610.43  594.74 9727.87  623.99 9827.59     63110186.84  628.4510333.37  620.41
10385.09  613.0410582.25  611.6410816.05  623.9811094.25     62211682.62     619
13037.65     61913260.67     61213833.99     61214275.05     61514330.72     618
14603.12  615.8414609.58  608.7814708.41  607.4415319.04  591.96 15838.9     586
15884.87   581.816046.73  577.5616088.49  573.46 16154.2  567.87 16561.7  567.87
16634.91  572.96 16705.1     58616794.21  609.47 16813.3  612.0717052.81  639.05
17494.93  644.5217932.26  647.4920053.78     64520169.55     64520400.13  645.44
20751.72  639.1121742.73     64122001.31     64423684.85     64724069.02  648.42
24494.16  652.2825147.67  661.7925372.69     66326492.34     66327130.62     656
27405.73     65627982.41     65328221.21  651.2628393.56  651.1228534.22  649.03
28683.53  649.99 28978.9  654.9129302.12  657.74 30405.3  681.2831072.64  682.82
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32045.07  734.0632188.41  734.3932808.29  693.8232843.16   693.934444.18  753.59
35492.33  750.11 35690.7  751.1436044.23  768.9436085.88  769.3936393.88   765.7
36727.06  776.29 36885.9     77837663.83     79038362.95  791.99 38715.5     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 15838.9     .15 16705.1     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       15838.9 16705.1                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1497585.00   162201.70   1703246.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1497585.00   162201.70   1703246.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3069858.00   494726.30   3165416.00
  Top Width (ft)          34562.70    Top Width (ft)          14536.50     866.20   19159.99
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.05       3.05       1.86
  Max Chl Dpth (ft)         192.05    Hydr. Depth (ft)          103.02     187.26      88.90
  Conv. Total (cfs)       714297300.0    Conv. (cfs)            325823400.0   52508420.0   335965500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14549.93     868.26   19169.33
  Min Ch El (ft)            567.87    Shear (lb/sq ft)            0.57       1.04       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.17       3.16       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    138418.60   23044.03   164894.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1268.24     112.46    1539.85


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276008.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  182.46  793.19  593.65  778.62 1250.69  761.94 1416.03  755.49
 1680.07   748.1 1834.92  746.99 2158.73  746.99 2467.84  746.17 3298.06  718.09
 3364.46  714.69 3448.83  713.01 3459.29  712.92 3645.73  718.37 3812.05  716.99
 3944.24  715.54 4086.17   711.8 4433.11  703.47 4855.94  695.53 5170.62  694.45
 5306.03  693.04 5453.37     689 5516.76  685.55 5852.56  683.22 6176.07  683.11
 6306.58  683.98 6510.46  677.96 6664.66  674.95 6730.62  671.94 6776.02  671.94
 6915.35  674.04 7116.87  684.07 7175.21  682.03 7295.14  679.05  7631.8  665.23
 7676.18  665.15 7819.41  660.34 8090.96  638.16 8104.01  636.64    8264  629.98
  8392.5  629.11 8628.07  633.53 8789.98  632.43 8959.59  625.25  9132.1  622.47
 9265.73  607.24 9281.69  607.09 9364.78  601.07 9520.69  592.04  9573.8  592.04
 9612.74  594.79  9730.2  624.04 9829.94  631.0710189.28  628.5110335.85  620.47
10387.57  613.1210584.79  611.7110818.64  624.0211096.91  622.0411685.42  619.03
13040.77  619.0313263.85  612.04 13837.3  612.0414278.47  615.0514334.15  618.06
14606.62  615.8914613.08  608.8514711.93   607.515322.71  591.9915842.69  586.02
 15888.8  581.8116051.14  577.5716093.02  573.4716158.93  567.8716566.68  567.87
16640.06  572.9516710.42  586.0216799.51  609.47 16818.6  612.0617058.09  639.02
17500.17  644.4817937.44  647.4520058.73  644.9520174.49  644.9520405.05  645.39
 20756.6  639.07 21747.5  640.9722006.06  643.9823689.41  646.9924073.54  648.42
24498.64  652.2825152.07   661.825377.07  663.01 26496.6  663.0127134.81  656.02
27409.89  656.0227986.51  653.0128225.28  651.2628397.61  651.1128538.25  649.01
28687.55  649.9828982.89   654.929306.07  657.7430409.14  681.26 31076.4   682.8
32048.72  733.9732192.05  734.3132811.86   693.832846.73  693.8834447.57   753.5
35495.61  750.0435693.96  751.0736047.45  768.8736089.09  769.3236397.06  765.66
36730.21  776.2436889.03  777.9637666.88     79038365.92     79238718.43     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515842.69     .1516710.42     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15842.6916710.42                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1497644.00   162480.40   1703574.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1497644.00   162480.40   1703574.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3068804.00   495442.40   3165754.00
  Top Width (ft)          34567.25    Top Width (ft)          14540.22     867.73   19159.29
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.05       3.05       1.86
  Max Chl Dpth (ft)         192.05    Hydr. Depth (ft)          103.00     187.25      88.92
  Conv. Total (cfs)       714468500.0    Conv. (cfs)            325789600.0   52597030.0   336081900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14553.64     869.79   19168.62
  Min Ch El (ft)            567.87    Shear (lb/sq ft)            0.57       1.03       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.17       3.16       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    138246.70   23025.39   164699.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1266.58     112.36    1537.65


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276005.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  182.51  793.19  593.79  778.61 1250.99  761.94 1416.36  755.49
 1680.48   748.1 1835.36  746.98 2159.25  746.98 2468.43  746.16 3298.85  718.11
 3365.26  714.71 3449.66  713.02 3460.12  712.93  3646.6  718.36 3812.96  716.98
 3945.18  715.52 4087.15  711.79 4434.17  703.45  4857.1  695.52 5171.85  694.43
  5307.3  693.02 5454.67  688.98 5518.08  685.52 5853.96  683.19 6177.55  683.09
 6308.09  683.96 6512.02  677.92 6666.25   674.9 6732.23  671.88 6777.64  671.88
 6917.01  673.99 7118.58  684.02 7176.93  681.99 7296.89  679.02 7633.63  665.24
 7678.02  665.16 7821.28   660.4  8092.9  638.24 8105.95  636.72 8265.98  630.05
 8394.51  629.18 8630.14  633.62 8792.08  632.52 8961.74  625.33 9134.29  622.54
 9267.95  607.33 9283.91  607.18 9367.03  601.14 9522.97  592.08  9576.1  592.08
 9615.04  594.83 9732.53  624.08 9832.29  631.1410191.72  628.5710338.32  620.54
10390.06  613.1910587.32  611.7810821.23  624.0711099.57  622.0811688.22  619.06
 13043.9  619.0613267.03  612.0813840.61  612.0814281.89   615.114337.58  618.12
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14610.11  615.9414616.58  608.9114715.45  607.5615326.38  592.0115846.49  586.04
15892.73  581.8216055.55  577.5916097.56  573.4816163.67  567.8716571.66  567.87
16645.21  572.9516715.73  586.0416804.82  609.4716823.91  612.0617063.37  638.98
 17505.4  644.4517942.63   647.420063.69   644.920179.43   644.920409.97  645.34
20761.48  639.0421752.27  640.94 22010.8  643.9623693.97  646.9824078.06  648.41
24503.11  652.2825156.47  661.8225381.45  663.0226500.86  663.02   27139  656.04
27414.04  656.0427990.61  653.0228229.35  651.2728401.66  651.1128542.29     649
28691.57  649.9728986.88  654.8929310.03  657.7330412.97  681.2331080.16  682.77
32052.38  733.8932195.69  734.2232815.43  693.78 32850.3  693.8634450.97  753.41
35498.89  749.9735697.23  751.0136050.68   768.836092.31  769.2536400.25  765.61
36733.36   776.236892.16  777.9237669.93     79038368.89  792.0138721.37     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515846.49     .1516715.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15846.4916715.73                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1497699.00   162753.70   1703923.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1497699.00   162753.70   1703923.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3067736.00   496133.60   3166131.00
  Top Width (ft)          34571.46    Top Width (ft)          14543.70     869.24   19158.52
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.05       3.05       1.86
  Max Chl Dpth (ft)         192.05    Hydr. Depth (ft)          102.98     187.24      88.94
  Conv. Total (cfs)       714647200.0    Conv. (cfs)            325757600.0   52683580.0   336206000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14557.11     871.31   19167.82
  Min Ch El (ft)            567.87    Shear (lb/sq ft)            0.57       1.03       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.17       3.15       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    138074.80   23006.73   164503.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1264.91     112.26    1535.46


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 276002.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  182.55  793.19  593.94   778.6 1251.29  761.94  1416.7  755.48
 1680.88  748.09  1835.8  746.97 2159.77  746.97 2469.03  746.15 3299.64  718.12
 3366.07  714.73 3450.48  713.03 3460.95  712.94 3647.47  718.36 3813.87  716.97
 3946.13  715.51 4088.13  711.77 4435.23  703.44 4858.27   695.5 5173.09  694.41
 5308.57     693 5455.98  688.95  5519.4  685.48 5855.36  683.15 6179.03  683.07
  6309.6  683.94 6513.58  677.88 6667.85  674.85 6733.84  671.82 6779.26  671.82
 6918.66  673.94 7120.28  683.96 7178.65  681.94 7298.64  678.99 7635.46  665.24
 7679.85  665.18 7823.15  660.45 8094.84  638.33 8107.89  636.81 8267.96  630.13
 8396.52  629.25 8632.21  633.72 8794.19  632.62 8963.88  625.41 9136.47  622.62
 9270.17  607.42 9286.13  607.27 9369.27  601.21 9525.25  592.12 9578.39  592.12
 9617.34  594.88 9734.86  624.13 9834.65  631.2110194.16  628.6310340.79  620.61
10392.55  613.2710589.85  611.8510823.82  624.1211102.22  622.1211691.02  619.09
13047.02  619.09 13270.2  612.1213843.93  612.1214285.31  615.1514341.01  618.18
14613.61  615.9914620.08  608.9714718.97  607.6215330.05  592.0415850.28  586.06
15896.66  581.8316059.97  577.61 16102.1  573.49 16168.4  567.8716576.64  567.87
16650.37  572.9416721.05  586.0616810.13  609.4716829.21  612.0617068.65  638.94
17510.63  644.4117947.81  647.3620068.64  644.8520184.38  644.8520414.89  645.29
20766.36     63921757.04  640.9122015.55  643.9423698.54  646.9724082.58  648.41
24507.58  652.2725160.88  661.8325385.83  663.0326505.12  663.0327143.19  656.06
27418.21  656.0627994.71  653.0328233.43  651.2728405.72  651.1128546.33  648.99
28695.59  649.9528990.87  654.8929313.98  657.7230416.81   681.231083.92  682.75
32056.04   733.832199.34  734.1432819.01  693.7632853.87  693.8434454.37  753.32
35502.18   749.935700.49  750.95 36053.9  768.7336095.54  769.1836403.43  765.56
36736.51  776.15 36895.3  777.8837672.98     79038371.86  792.01 38724.3     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515850.28     .1516721.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15850.2816721.05                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1497753.00   163031.30   1704269.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1497753.00   163031.30   1704269.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3066662.00   496838.30   3166500.00
  Top Width (ft)          34575.74    Top Width (ft)          14547.25     870.77   19157.72
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.05       3.05       1.86
  Max Chl Dpth (ft)         192.05    Hydr. Depth (ft)          102.96     187.23      88.96
  Conv. Total (cfs)       714825300.0    Conv. (cfs)            325724700.0   52771560.0   336329000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14560.64     872.84   19167.01
  Min Ch El (ft)            567.87    Shear (lb/sq ft)            0.57       1.03       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.17       3.15       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    137902.80   22988.03   164308.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1263.24     112.16    1533.26


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275999.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   182.6  793.18  594.08  778.58 1251.59  761.93 1417.04  755.47
 1681.28  748.08 1836.24  746.96 2160.28  746.96 2469.62  746.14 3300.43  718.14
 3366.87  714.74 3451.31  713.04 3461.78  712.95 3648.35  718.35 3814.78  716.96
 3947.07  715.49 4089.11  711.75 4436.29  703.42 4859.43  695.49 5174.33  694.39
 5309.84  692.98 5457.28  688.92 5520.72  685.44 5856.77  683.12 6180.51  683.05
```

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 6311.11  683.92 6515.14  677.84 6669.44   674.8 6735.45  671.76 6780.89  671.76
 6920.32  673.88 7121.98  683.91 7180.37   681.9 7300.38  678.97 7637.28  665.25
 7681.69   665.2 7825.02  660.51 8096.77  638.42 8109.83   636.9 8269.94   630.2
 8398.53  629.33 8634.27  633.81 8796.29  632.72 8966.03  625.49 9138.66  622.69
 9272.38  607.51 9288.36  607.36 9371.51  601.28 9527.53  592.16 9580.68  592.16
 9619.64  594.93 9737.19  624.18    9837  631.28 10196.6  628.6910343.27  620.68
10395.03  613.3510592.39  611.9310826.41  624.1611104.88  622.1611693.81  619.12
13050.14  619.1213273.38  612.1613847.24  612.1614288.72   615.214344.45  618.24
14617.11  616.0514623.58  609.04 14722.5  607.6815333.72  592.0615854.07  586.08
15900.59  581.8416064.38  577.6316106.64   573.516173.14  567.8716581.62  567.87
16655.52  572.9416726.37  586.0816815.44  609.4616834.52  612.0617073.93  638.91
17515.86  644.38   17953  647.32 20073.6   644.820189.32   644.8 20419.8  645.25
20771.24  638.9621761.81  640.8822020.29  643.92 23703.1  646.96 24087.1   648.4
24512.06  652.2725165.28  661.8425390.21  663.0426509.37  663.0427147.38  656.08
27422.36  656.08 27998.8  653.04 28237.5  651.2728409.77  651.1128550.36  648.98
28699.61  649.9428994.86  654.8829317.93  657.7130420.64  681.1731087.69  682.73
32059.69  733.7232202.98  734.0532822.58  693.7432857.44  693.8234457.77  753.23
35505.46  749.8335703.75  750.8836057.12  768.6636098.75  769.1136406.62  765.51
36739.66  776.1136898.43  777.8437676.03     79038374.84  792.0238727.24     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515854.07     .1516726.37     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15854.0716726.37                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1497805.00   163307.70   1704605.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1497805.00   163307.70   1704605.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3065588.00   497543.70   3166868.00
  Top Width (ft)          34580.30    Top Width (ft)          14550.97     872.30   19157.03
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.05       3.05       1.86
  Max Chl Dpth (ft)         192.05    Hydr. Depth (ft)          102.94     187.22      88.98
  Conv. Total (cfs)       714995300.0    Conv. (cfs)            325688100.0   52859050.0   336448100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14564.35     874.37   19166.30
  Min Ch El (ft)            567.87    Shear (lb/sq ft)            0.57       1.03       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.16       3.15       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    137730.90   22969.30   164112.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1261.57     112.06    1531.06


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275997.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  182.64  793.18  594.22  778.57 1251.89  761.93 1417.38  755.46
 1681.68  748.08 1836.68  746.95  2160.8  746.95 2470.21  746.12 3301.22  718.16
 3367.68  714.76 3452.13  713.05  3462.6  712.96 3649.22  718.35  3815.7  716.95
 3948.02  715.48 4090.08  711.74 4437.36   703.4 4860.59  695.47 5175.57  694.37
 5311.11  692.96 5458.59   688.9 5522.04  685.41 5858.17  683.09 6181.99  683.02
 6312.62   683.9  6516.7   677.8 6671.04  674.75 6737.06   671.7 6782.51   671.7
 6921.97  673.83 7123.69  683.86 7182.08  681.85 7302.13  678.94 7639.11  665.26
 7683.53  665.21  7826.9  660.57 8098.71  638.51 8111.77  636.99 8271.92  630.27
 8400.54   629.4 8636.34  633.91  8798.4  632.81 8968.17  625.57 9140.84  622.77
  9274.6   607.6 9290.58  607.45 9373.75  601.35 9529.81   592.2 9582.97   592.2
 9621.94  594.98 9739.52  624.22 9839.35  631.3510199.04  628.7510345.74  620.75
10397.52  613.4210594.92     612   10829  624.2111107.54   622.211696.61  619.15
13053.26  619.1513276.55   612.213850.55   612.214292.14  615.2514347.88   618.3
 14620.6   616.114627.08   609.114726.02  607.7415337.39  592.0915857.87   586.1
15904.52  581.8516068.79  577.6416111.17  573.5116177.87  567.86 16586.6  567.86
16660.67  572.9416731.69   586.116820.74  609.4616839.82  612.0517079.21  638.87
17521.09  644.3417958.18  647.2820078.55  644.7520194.26  644.7520424.72   645.2
20776.12  638.9321766.58  640.8522025.03   643.923707.66  646.9524091.62   648.4
24516.53  652.2725169.68  661.8525394.59  663.0526513.63  663.0527151.56   656.1
27426.52   656.1 28002.9  653.0528241.57  651.2828413.82  651.11 28554.4  648.96
28703.63  649.9228998.85  654.8729321.89  657.7130424.47  681.1431091.45   682.7
32063.35  733.6332206.62  733.9632826.16  693.7232861.01   693.834461.16  753.15
35508.75  749.7635707.02  750.8236060.35  768.5936101.97  769.05 36409.8  765.47
36742.81  776.0636901.56   777.837679.07     79038377.81  792.0338730.18     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515857.87     .1516731.69     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15857.8716731.69                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1497858.00   163588.70   1704934.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1497858.00   163588.70   1704934.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3064526.00   498271.30   3167203.00
  Top Width (ft)          34584.59    Top Width (ft)          14554.53     873.82   19156.24
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.05       3.05       1.86
  Max Chl Dpth (ft)         192.05    Hydr. Depth (ft)          102.91     187.21      89.00
  Conv. Total (cfs)       715169600.0    Conv. (cfs)            325654600.0   52949260.0   336565800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14567.89     875.89   19165.50
  Min Ch El (ft)            567.86    Shear (lb/sq ft)            0.57       1.03       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.16       3.15       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    137559.00   22950.54   163916.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1259.90     111.96    1528.86


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275994.*

INPUT
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Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  182.68  793.17  594.36  778.56 1252.19  761.93 1417.72  755.45
 1682.08  748.07 1837.12  746.94 2161.32  746.94  2470.8  746.11 3302.01  718.18
 3368.48  714.77 3452.96  713.06 3463.43  712.97 3650.09  718.34 3816.61  716.94
 3948.96  715.46 4091.06  711.72 4438.42  703.38 4861.75  695.46 5176.81  694.35
 5312.38  692.95  5459.9  688.87 5523.36  685.37 5859.57  683.05 6183.47     683
 6314.13  683.88 6518.25  677.76 6672.63   674.7 6738.67  671.64 6784.13  671.64
 6923.63  673.78 7125.39  683.81  7183.8   681.8 7303.88  678.91 7640.94  665.26
 7685.37  665.23 7828.77  660.62 8100.65   638.6 8113.71  637.08 8273.89  630.34
 8402.54  629.47  8638.4     634  8800.5  632.91 8970.32  625.64 9143.03  622.84
 9276.82  607.69  9292.8  607.54 9375.99  601.42 9532.09  592.24 9585.27  592.24
 9624.24  595.03 9741.85  624.27 9841.71  631.4210201.48  628.8210348.22  620.81
10400.01   613.510597.46  612.0710831.59  624.2611110.19  622.2411699.41  619.18
13056.39  619.1813279.73  612.2413853.86  612.2414295.56   615.314351.31  618.36
 14624.1  616.1514630.58  609.1614729.54   607.815341.06  592.1115861.66  586.12
15908.45  581.8716073.21  577.6616115.71  573.52 16182.6  567.8616591.57  567.86
16665.82  572.93   16737  586.1216826.05  609.4616845.13  612.0517084.49  638.84
17526.32  644.3117963.36  647.2420083.51   644.7 20199.2   644.720429.64  645.15
20780.99  638.8921771.36  640.8222029.78  643.8823712.22  646.9424096.14  648.39
24521.01  652.2625174.09  661.8625398.97  663.0626517.89  663.0627155.75  656.12
27430.68  656.1228006.99  653.0628245.64  651.2828417.87  651.1128558.44  648.95
28707.65  649.9129002.84  654.8629325.84   657.730428.31  681.1131095.21  682.68
32067.01  733.5432210.26  733.8832829.73   693.732864.58  693.7834464.56  753.06
35512.03  749.6835710.28  750.7636063.57  768.5236105.19  768.9836412.99  765.42
36745.96  776.02 36904.7  777.7637682.12     79038380.79  792.0338733.11     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515861.66     .15   16737     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15861.66   16737                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1497920.00   163863.30   1705285.00
  E.G. Slope (ft/ft)      0.000089    Area (sq ft)            1497920.00   163863.30   1705285.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3063464.00   498961.60   3167575.00
  Top Width (ft)          34588.87    Top Width (ft)          14558.08     875.34   19155.46
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.05       3.04       1.86
  Max Chl Dpth (ft)         192.06    Hydr. Depth (ft)          102.89     187.20      89.02
  Conv. Total (cfs)       715350800.0    Conv. (cfs)            325624300.0   53036050.0   336690600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14571.43     877.41   19164.70
  Min Ch El (ft)            567.86    Shear (lb/sq ft)            0.57       1.03       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.16       3.14       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    137387.00   22931.75   163721.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1258.23     111.86    1526.66


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275991.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  182.73  793.17   594.5  778.55 1252.49  761.93 1418.06  755.45
 1682.49  748.06 1837.56  746.93 2161.83  746.93 2471.39   746.1  3302.8  718.19
 3369.29  714.79 3453.79  713.07 3464.26  712.98 3650.96  718.34 3817.52  716.93
  3949.9  715.45 4092.04   711.7 4439.48  703.36 4862.92  695.44 5178.04  694.34
 5313.65  692.93  5461.2  688.84 5524.68  685.33 5860.97  683.02 6184.95  682.98
 6315.64  683.86 6519.81  677.72 6674.23  674.65 6740.29  671.58 6785.75  671.58
 6925.28  673.72  7127.1  683.75 7185.52  681.76 7305.62  678.88 7642.77  665.27
 7687.21  665.25 7830.64  660.68 8102.58  638.69 8115.65  637.17 8275.87  630.41
 8404.55  629.55 8640.47   634.1 8802.61  633.01 8972.46  625.72 9145.22  622.92
 9279.04  607.78 9295.02  607.63 9378.24  601.49 9534.37  592.28 9587.56  592.28
 9626.54  595.08 9744.18  624.32 9844.06  631.4910203.92  628.8810350.69  620.88
 10402.5  613.5810599.99  612.1410834.18   624.311112.85  622.2811702.21  619.21
13059.51  619.21 13282.9  612.2813857.18  612.2814298.98  615.3514354.74  618.42
 14627.6  616.2114634.07  609.2214733.06  607.8615344.72  592.1415865.45  586.14
15912.38  581.8816077.62  577.6816120.25  573.5316187.34  567.8616596.55  567.86
16670.97  572.9316742.32  586.1416831.36  609.4616850.43  612.0517089.77   638.8
17531.55  644.2717968.55   647.220088.46  644.6520204.14  644.6520434.55   645.1
20785.87  638.8621776.13  640.7922034.52  643.8623716.78  646.9324100.66  648.39
24525.48  652.2625178.49  661.8725403.35  663.0726522.15  663.0727159.94  656.14
27434.84  656.1428011.09  653.0728249.71  651.2928421.92   651.128562.47  648.94
28711.67  649.8929006.82  654.8629329.79  657.6930432.14  681.0831098.97  682.65
32070.66  733.46 32213.9  733.7932833.31  693.6732868.15  693.7634467.96  752.97
35515.32  749.6135713.54   750.7 36066.8  768.4536108.41  768.9136416.18  765.37
36749.11  775.9736907.83  777.7237685.17     79038383.76  792.0438736.05     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515865.45     .1516742.32     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15865.4516742.32                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1497968.00   164140.00   1705628.00
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)            1497968.00   164140.00   1705628.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3062390.00   499662.80   3167947.00
  Top Width (ft)          34593.08    Top Width (ft)          14561.54     876.87   19154.67
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.04       3.04       1.86
  Max Chl Dpth (ft)         192.06    Hydr. Depth (ft)          102.87     187.19      89.05
  Conv. Total (cfs)       715526500.0    Conv. (cfs)            325590000.0   53123620.0   336812800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14574.90     878.94   19163.89
  Min Ch El (ft)            567.86    Shear (lb/sq ft)            0.57       1.03       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.16       3.14       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    137215.10   22912.92   163525.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1256.55     111.76    1524.46
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CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275988.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  182.77  793.16  594.65  778.53 1252.79  761.92  1418.4  755.44
 1682.89  748.06    1838  746.92 2162.35  746.92 2471.98  746.08 3303.59  718.21
  3370.1   714.8 3454.61  713.08 3465.09  712.99 3651.84  718.33 3818.44  716.92
 3950.85  715.43 4093.02  711.69 4440.54  703.34 4864.08  695.43 5179.28  694.32
 5314.92  692.91 5462.51  688.81    5526   685.3 5862.37  682.99 6186.43  682.95
 6317.15  683.84 6521.37  677.68 6675.83   674.6  6741.9  671.52 6787.38  671.52
 6926.94  673.67  7128.8   683.7 7187.24  681.71 7307.37  678.86 7644.59  665.28
 7689.04  665.27 7832.51  660.74 8104.52  638.78 8117.59  637.26 8277.85  630.48
 8406.56  629.62 8642.53  634.19 8804.71   633.1 8974.61   625.8  9147.4  622.99
 9281.26  607.87 9297.25  607.72 9380.48  601.56 9536.65  592.32 9589.85  592.32
 9628.85  595.13 9746.51  624.36 9846.41  631.5610206.36  628.9410353.17  620.95
10404.98  613.6510602.52  612.2110836.77  624.3511115.51  622.32   11705  619.24
13062.63  619.2413286.08  612.3213860.49  612.32 14302.4   615.414358.17  618.48
 14631.1  616.2614637.57  609.2914736.58  607.9215348.39  592.1715869.24  586.16
15916.31  581.8916082.03   577.716124.79  573.5416192.07  567.8616601.53  567.86
16676.12  572.9216747.64  586.1616836.67  609.4616855.74  612.0417095.05  638.76
17536.79  644.2417973.73  647.1520093.42   644.620209.09   644.620439.47  645.05
20790.75  638.82 21780.9  640.7622039.27  643.8423721.34  646.9224105.18  648.38
24529.96  652.2625182.89  661.8925407.72  663.08 26526.4  663.0827164.13  656.16
   27439  656.1628015.19  653.0828253.78  651.2928425.98   651.128566.51  648.92
28715.69  649.8829010.81  654.8529333.75  657.6830435.98  681.0531102.73  682.63
32074.32  733.3732217.54  733.7132836.88  693.6532871.72  693.7434471.35  752.88
 35518.6  749.54 35716.8  750.6336070.02  768.3836111.63  768.8436419.36  765.32
36752.26  775.9236910.96  777.6837688.22     79038386.73  792.0538738.98     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515869.24     .1516747.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15869.2416747.64                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1498021.00   164417.40   1705982.00
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)            1498021.00   164417.40   1705982.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3061295.00   500365.80   3168340.00
  Top Width (ft)          34597.64    Top Width (ft)          14565.26     878.40   19153.97
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.04       3.04       1.86
  Max Chl Dpth (ft)         192.06    Hydr. Depth (ft)          102.85     187.18      89.07
  Conv. Total (cfs)       715703300.0    Conv. (cfs)            325554000.0   53211510.0   336937800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14578.60     880.47   19163.18
  Min Ch El (ft)            567.86    Shear (lb/sq ft)            0.57       1.03       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.16       3.14       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    137043.20   22894.06   163329.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1254.88     111.66    1522.26


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275985.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  182.81  793.16  594.79  778.52 1253.09  761.92 1418.74  755.43
 1683.29  748.05 1838.44  746.91 2162.87  746.91 2472.57  746.07 3304.38  718.23
  3370.9  714.82 3455.44  713.09 3465.92     713 3652.71  718.32 3819.35  716.91
 3951.79  715.42    4094  711.67  4441.6  703.32 4865.24  695.41 5180.52   694.3
 5316.19  692.89 5463.81  688.79 5527.33  685.26 5863.77  682.95  6187.9  682.93
 6318.66  683.82 6522.93  677.64 6677.42  674.55 6743.51  671.46    6789  671.46
  6928.6  673.62  7130.5  683.65 7188.96  681.67 7309.12  678.83 7646.42  665.28
 7690.88  665.28 7834.38  660.79 8106.46  638.86 8119.53  637.34 8279.83  630.55
 8408.57  629.69  8644.6  634.29 8806.81   633.2 8976.75  625.88 9149.59  623.07
 9283.48  607.96 9299.47  607.81 9382.72  601.63 9538.93  592.36 9592.14  592.36
 9631.15  595.18 9748.84  624.41 9848.77  631.63 10208.8     62910355.64  621.02
10407.47  613.7310605.06  612.2910839.36   624.411118.16  622.36 11707.8  619.27
13065.75  619.2713289.25  612.36 13863.8  612.3614305.82  615.4514361.61  618.54
14634.59  616.3114641.07  609.3514740.11  607.9815352.06  592.1915873.04  586.18
15920.24   581.916086.45  577.7216129.33  573.5516196.81  567.8616606.51  567.86
16681.27  572.9216752.95  586.1816841.97  609.4516861.04  612.0417100.33  638.73
17542.02   644.217978.92  647.1120098.37  644.5520214.03  644.5520444.39     645
20795.63  638.7821785.67  640.7322044.01  643.8223725.91  646.91 24109.7  648.38
24534.43  652.25 25187.3   661.9 25412.1  663.0926530.66  663.0927168.32  656.18
27443.16  656.1828019.28  653.0928257.85   651.328430.03   651.128570.55  648.91
28719.71  649.87 29014.8  654.84 29337.7  657.6830439.81  681.02 31106.5  682.61
32077.98  733.2832221.18  733.6232840.46  693.6332875.29  693.7234474.75  752.79
35521.88  749.4735720.07  750.5736073.24  768.3136114.85  768.7736422.55  765.28
36755.41  775.8836914.09  777.6437691.27     790 38389.7  792.0538741.91     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515873.04     .1516752.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15873.0416752.95                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1498083.00   164690.20   1706323.00
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)            1498083.00   164690.20   1706323.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3060250.00   501053.10   3168697.00
  Top Width (ft)          34601.92    Top Width (ft)          14568.82     879.91   19153.20
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.04       3.04       1.86
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  Max Chl Dpth (ft)          192.06    Hydr. Depth (ft)          102.83     187.17      89.09
  Conv. Total (cfs)        715880800.0    Conv. (cfs)            325523700.0   53297810.0   337059300.0
  Length Wtd. (ft)             5.00    Wetted Per. (ft)        14582.14     881.98   19162.38
  Min Ch El (ft)             567.86    Shear (lb/sq ft)            0.57       1.03       0.49
  Alpha                        1.06    Stream Power (lb/ft s)      1.16       3.13       0.91
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    136871.20   22875.18   163133.70
  C & E Loss (ft)              0.00    Cum SA (acres)           1253.21     111.55    1520.06


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275982.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  182.86  793.15  594.93  778.51 1253.39  761.92 1419.08  755.42
 1683.69  748.05 1838.88   746.9 2163.38   746.9 2473.16  746.06 3305.17  718.24
 3371.71  714.83 3456.26   713.1 3466.75  713.01 3653.58  718.32 3820.26   716.9
 3952.74  715.41 4094.98  711.65 4442.66   703.3  4866.4   695.4 5181.76  694.28
 5317.46  692.87 5465.12  688.76 5528.65  685.22 5865.17  682.92 6189.38  682.91
 6320.17   683.8 6524.49   677.6 6679.02   674.5 6745.12   671.4 6790.62   671.4
 6930.25  673.56 7132.21  683.59 7190.67  681.62 7310.86   678.8 7648.25  665.29
 7692.72   665.3 7836.26  660.85  8108.4  638.95 8121.47  637.43 8281.81  630.63
 8410.58  629.76 8646.67  634.38 8808.92   633.3  8978.9  625.96 9151.78  623.14
 9285.69  608.05 9301.69   607.9 9384.96   601.7 9541.21   592.4 9594.43   592.4
 9633.45  595.23 9751.17  624.46 9851.12   631.710211.24  629.0610358.12  621.09
10409.96  613.8110607.59  612.3610841.95  624.4411120.82   622.4 11710.6   619.3
13068.87   619.313292.43   612.413867.12   612.414309.24   615.514365.04   618.6
14638.09  616.3614644.57  609.4114743.63  608.0515355.73  592.2215876.83   586.2
15924.17  581.9116090.86  577.7316133.86  573.5516201.54  567.8616611.49  567.86
16686.43  572.9116758.27   586.216847.28  609.4516866.35  612.0417105.61  638.69
17547.25  644.17 17984.1  647.0720103.32   644.520218.97   644.520449.31  644.95
20800.51  638.7521790.44   640.722048.75   643.823730.47   646.924114.22  648.37
 24538.9  652.25 25191.7  661.9125416.48   663.126534.92   663.127172.51   656.2
27447.32   656.228023.38   653.128261.92   651.328434.08   651.128574.58   648.9
28723.73  649.8529018.79  654.8429341.66  657.6730443.65  680.9931110.26  682.58
32081.63   733.232224.82  733.5432844.03  693.6132878.86   693.734478.15  752.71
35525.17   749.435723.33  750.5136076.47  768.2436118.07   768.736425.74  765.23
36758.56  775.8336917.23   777.637694.32     79038392.68  792.0638744.85     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515876.83     .1516758.27     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15876.8316758.27                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.92    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                       Flow Area (sq ft)        1498132.00   164969.30   1706646.00
  E.G. Slope (ft/ft)       0.000088    Area (sq ft)             1498132.00   164969.30   1706646.00
  Q Total (cfs)            6730000.00    Flow (cfs)              3059198.00   501769.40   3169033.00
  Top Width (ft)           34606.21    Top Width (ft)           14572.37     881.44   19152.41
  Vel Total (ft/s)             2.00    Avg. Vel. (ft/s)            2.04       3.04       1.86
  Max Chl Dpth (ft)          192.06    Hydr. Depth (ft)          102.81     187.16      89.11
  Conv. Total (cfs)        716050200.0    Conv. (cfs)            325488800.0   53386640.0   337174800.0
  Length Wtd. (ft)             5.00    Wetted Per. (ft)        14585.68     883.52   19161.59
  Min Ch El (ft)             567.86    Shear (lb/sq ft)            0.57       1.03       0.49
  Alpha                        1.06    Stream Power (lb/ft s)      1.16       3.13       0.91
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    136699.30   22856.26   162937.90
  C & E Loss (ft)              0.00    Cum SA (acres)           1251.54     111.45    1517.87


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275979.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   182.9  793.15  595.07   778.5 1253.69  761.91 1419.42  755.41
  1684.1  748.04 1839.32  746.89  2163.9  746.89 2473.75  746.05 3305.96  718.26
 3372.51  714.85 3457.09  713.11 3467.57  713.02 3654.46  718.31 3821.17  716.89
 3953.68  715.39 4095.95  711.63 4443.72  703.28 4867.57  695.38    5183  694.26
 5318.73  692.85 5466.42  688.73 5529.97  685.19 5866.57  682.89 6190.86  682.89
 6321.68  683.78 6526.05  677.56 6680.61  674.45 6746.73  671.34 6792.24  671.34
 6931.91  673.51 7133.91  683.54 7192.39  681.58 7312.61  678.78 7650.07   665.3
 7694.56  665.32 7838.13  660.91 8110.33  639.04 8123.41  637.52 8283.79   630.7
 8412.59  629.84 8648.73  634.48 8811.02  633.39 8981.04  626.04 9153.96  623.21
 9287.91  608.14 9303.91  607.99 9387.21  601.77 9543.49  592.44 9596.73  592.44
 9635.75  595.28  9753.5   624.5 9853.47  631.7710213.68  629.1210360.59  621.15
10412.44  613.8810610.13  612.4310844.54  624.4911123.48  622.44 11713.4  619.33
   13072  619.3313295.61  612.4413870.43  612.4414312.65  615.5514368.47  618.66
14641.59  616.4214648.07  609.4714747.15  608.11 15359.4  592.2415880.62  586.22
 15928.1  581.9216095.27  577.75 16138.4  573.5616206.27  567.8616616.47  567.86
16691.58  572.9116763.59  586.2216852.59  609.4516871.65  612.0317110.88  638.65
17552.48  644.1317989.29  647.0320108.28  644.4520223.91  644.4520454.22  644.91
20805.39  638.7121795.21  640.67 22053.5  643.7823735.03  646.8924118.74  648.37
24543.38  652.25 25196.1  661.9225420.86  663.1126539.18  663.11 27176.7  656.22
27451.48  656.2228027.48  653.1128265.99   651.328438.13   651.128578.62  648.89
28727.75  649.8429022.78  654.8329345.61  657.6630447.48  680.9731114.02  682.56
32085.29  733.1132228.47  733.4532847.61  693.5932882.43  693.6834481.54  752.62
35528.45  749.3335726.59  750.4436079.69  768.1736121.29  768.6336428.92  765.18
36761.71  775.7936920.36  777.5637697.37     79038395.65  792.0738747.79     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515880.62     .1516763.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15880.6216763.59                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
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```
  E.G. Elev (ft)            759.98    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1498185.00   165245.90   1706982.00
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)            1498185.00   165245.90   1706982.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3058131.00   502472.40   3169397.00
  Top Width (ft)          34610.77    Top Width (ft)          14576.09     882.97   19151.72
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)           2.04       3.04       1.86
  Max Chl Dpth (ft)         192.06    Hydr. Depth (ft)         102.78     187.15      89.13
  Conv. Total (cfs)       716220600.0    Conv. (cfs)            325452700.0   53474160.0   337293800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14589.40     885.05   19160.88
  Min Ch El (ft)            567.86    Shear (lb/sq ft)           0.57       1.03       0.49
  Alpha                       1.06    Stream Power (lb/ft s)     1.16       3.13       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    136527.30   22837.30   162741.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1249.86     111.35    1515.67


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275976.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  182.94  793.14  595.21  778.48 1253.99  761.91 1419.75  755.41
  1684.5  748.03 1839.75  746.88 2164.42  746.88 2474.34  746.03 3306.75  718.28
 3373.32  714.87 3457.91  713.12  3468.4  713.03 3655.33  718.31 3822.09  716.88
 3954.63  715.38 4096.93  711.62 4444.79  703.26 4868.73  695.37 5184.23  694.24
    5320  692.83 5467.73  688.71 5531.29  685.15 5867.98  682.85 6192.34  682.86
 6323.19  683.76 6527.61  677.52 6682.21   674.4 6748.34  671.28 6793.86  671.28
 6933.56  673.46 7135.62  683.49 7194.11  681.53 7314.36  678.75  7651.9   665.3
 7696.39  665.33    7840  660.96 8112.27  639.13 8125.35  637.61 8285.77  630.77
  8414.6  629.91  8650.8  634.57 8813.13  633.49 8983.19  626.11 9156.15  623.29
 9290.13  608.23 9306.13  608.08 9389.45  601.84 9545.77  592.48 9599.02  592.48
 9638.05  595.33 9755.83  624.55 9855.83  631.8410216.12  629.1910363.07  621.22
10414.93  613.9610612.66   612.510847.13  624.5411126.13  622.48 11716.2  619.36
13075.12  619.3613298.78  612.4813873.74  612.4814316.07   615.6 14371.9  618.72
14645.08  616.4714651.57  609.5414750.67  608.1715363.07  592.2715884.42  586.24
15932.03  581.9416099.69  577.7716142.94  573.5716211.01  567.8616621.45  567.86
16696.73  572.91 16768.9  586.24 16857.9  609.4516876.96  612.0317116.16  638.62
17557.71   644.117994.47  646.9920113.23   644.420228.85   644.420459.14  644.86
20810.27  638.6721799.99  640.6422058.24  643.7623739.59  646.8824123.26  648.36
24547.85  652.2425200.51  661.9325425.24  663.1226543.44  663.1227180.88  656.24
27455.63  656.2428031.57  653.1228270.06  651.3128442.19   651.128582.66  648.87
28731.78  649.8229026.77  654.8229349.56  657.6530451.31  680.9431117.78  682.53
32088.95  733.0232232.11  733.3732851.18  693.57   32886  693.6634484.94  752.53
35531.73  749.2535729.85  750.3836082.92   768.136124.51  768.5636432.11  765.13
36764.86  775.7436923.49  777.5237700.42     79038398.62  792.0738750.72     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515884.42     .15 16768.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15884.42 16768.9                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1498239.00   165517.80   1707343.00
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)            1498239.00   165517.80   1707343.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3057056.00   503150.60   3169794.00
  Top Width (ft)          34614.99    Top Width (ft)          14579.57     884.48   19150.94
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)           2.04       3.04       1.86
  Max Chl Dpth (ft)         192.06    Hydr. Depth (ft)         102.76     187.14      89.15
  Conv. Total (cfs)       716403000.0    Conv. (cfs)            325421100.0   53559970.0   337422000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14592.86     886.56   19160.08
  Min Ch El (ft)            567.86    Shear (lb/sq ft)           0.57       1.03       0.49
  Alpha                       1.06    Stream Power (lb/ft s)     1.15       3.13       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    136355.30   22818.32   162546.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1248.19     111.25    1513.47


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275973.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  182.99  793.14  595.36  778.47 1254.29  761.91 1420.09   755.4
  1684.9  748.03 1840.19  746.87 2164.93  746.87 2474.93  746.02 3307.54  718.29
 3374.12  714.88 3458.74  713.13 3469.23  713.04  3656.2   718.3    3823  716.87
 3955.57  715.36 4097.91   711.6 4445.85  703.24 4869.89  695.35 5185.47  694.23
 5321.27  692.81 5469.04  688.68 5532.61  685.11 5869.38  682.82 6193.82  682.84
  6324.7  683.74 6529.17  677.48  6683.8  674.35 6749.95  671.22 6795.49  671.22
 6935.22   673.4 7137.32  683.44 7195.83  681.48  7316.1  678.72 7653.73  665.31
 7698.23  665.35 7841.87  661.02 8114.21  639.22 8127.29   637.7 8287.75  630.84
 8416.61  629.98 8652.86  634.67 8815.23  633.59 8985.33  626.19 9158.33  623.36
 9292.35  608.33 9308.36  608.17 9391.69  601.91 9548.05  592.52 9601.31  592.52
 9640.35  595.37 9758.16   624.6 9858.18  631.9110218.56  629.2510365.54  621.29
10417.42  614.04 10615.2  612.5810849.72  624.5811128.79  622.5211718.99  619.39
13078.24  619.3913301.96  612.5213877.05  612.5214319.49  615.6514375.33  618.78
14648.58  616.5214655.07   609.6 14754.2  608.2315366.74   592.315888.21  586.26
15935.96  581.95 16104.1  577.7916147.48  573.5816215.74  567.8616626.43  567.86
16701.88   572.916774.22  586.26 16863.2  609.4516882.27  612.0317121.44  638.58
17562.94  644.0617999.65  646.9520118.19  644.35 20233.8  644.3520464.06  644.81
20815.15  638.6421804.76  640.6122062.98  643.7423744.15  646.8724127.78  648.36
24552.32  652.2425204.91  661.9425429.62  663.1326547.69  663.1327185.07  656.26
27459.79  656.2628035.67  653.1328274.13  651.3128446.24   651.1 28586.7  648.86
28735.79  649.8129030.76  654.8229353.52  657.6530455.15  680.9131121.54  682.51
32092.61  732.9432235.75  733.2832854.75  693.5532889.57  693.6334488.34  752.44
35535.02  749.1835733.11  750.3236086.14  768.0336127.73   768.5 36435.3  765.08
36768.01   775.736926.62  777.4837703.46     790 38401.6  792.0838753.66     800

Manning's n Values        num=       3
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     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515888.21     .1516774.22     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15888.2116774.22                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1498292.00   165795.10   1707673.00
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)            1498292.00   165795.10   1707673.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3056005.00   503854.20   3170142.00
  Top Width (ft)          34619.28    Top Width (ft)          14583.11     886.01   19150.15
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.04       3.04       1.86
  Max Chl Dpth (ft)         192.06    Hydr. Depth (ft)          102.74     187.13      89.17
  Conv. Total (cfs)       716575900.0    Conv. (cfs)            325387700.0   53647810.0   337540400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14596.39     888.09   19159.28
  Min Ch El (ft)            567.86    Shear (lb/sq ft)            0.57       1.03       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.15       3.12       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    136183.30   22799.31   162350.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1246.52     111.15    1511.27


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275970.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  183.03  793.13   595.5  778.46 1254.59  761.91 1420.43  755.39
  1685.3  748.02 1840.63  746.86 2165.45  746.86 2475.52  746.01 3308.33  718.31
 3374.93   714.9 3459.57  713.14 3470.06  713.05 3657.07   718.3 3823.91  716.86
 3956.52  715.35 4098.89  711.58 4446.91  703.22 4871.05  695.34 5186.71  694.21
 5322.54   692.8 5470.34  688.65 5533.93  685.08 5870.78  682.79  6195.3  682.82
 6326.21  683.72 6530.72  677.44  6685.4   674.3 6751.57  671.16 6797.11  671.16
 6936.87  673.35 7139.02  683.38 7197.55  681.44 7317.85  678.69 7655.56  665.32
 7700.07  665.37 7843.74  661.08 8116.14  639.31 8129.23  637.79 8289.72  630.91
 8418.62  630.05 8654.93  634.76 8817.34  633.68 8987.48  626.27 9160.52  623.44
 9294.57  608.42 9310.58  608.26 9393.93  601.98 9550.33  592.56  9603.6  592.56
 9642.65  595.42 9760.48  624.64 9860.53  631.98   10221  629.3110368.01  621.36
 10419.9  614.1110617.73  612.6510852.31  624.6311131.45  622.5611721.79  619.42
13081.36  619.4213305.13  612.5613880.37  612.5614322.91   615.714378.76  618.84
14652.08  616.5814658.56  609.6614757.72  608.29 15370.4  592.32   15892  586.28
15939.89  581.9616108.51   577.816152.02  573.5916220.48  567.8516631.41  567.85
16707.03   572.916779.54  586.2816868.51  609.4516887.57  612.0317126.72  638.54
17568.18  644.0318004.84   646.920123.14   644.320238.74   644.320468.97  644.76
20820.03   638.621809.53  640.5822067.73  643.7223748.71  646.86 24132.3  648.35
 24556.8  652.2425209.31  661.96   25434  663.1426551.95  663.1427189.26  656.28
27463.95  656.2828039.77  653.14 28278.2  651.3228450.29  651.0928590.73  648.85
28739.82  649.7929034.75  654.8129357.47  657.6430458.98  680.8831125.31  682.49
32096.26  732.8532239.39   733.232858.33  693.5332893.14  693.6134491.74  752.35
 35538.3  749.1135736.38  750.2536089.36  767.9636130.95  768.4336438.48  765.04
36771.16  775.6536929.76  777.4437706.52     79038404.57  792.0938756.59     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   15892     .1516779.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         1589216779.54                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1498341.00   166077.20   1708027.00
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)            1498341.00   166077.20   1708027.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3054907.00   504576.90   3170516.00
  Top Width (ft)          34623.66    Top Width (ft)          14586.66     887.54   19149.46
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.04       3.04       1.86
  Max Chl Dpth (ft)         192.06    Hydr. Depth (ft)          102.72     187.12      89.19
  Conv. Total (cfs)       716756300.0    Conv. (cfs)            325352700.0   53738290.0   337665300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14599.94     889.62   19158.57
  Min Ch El (ft)            567.85    Shear (lb/sq ft)            0.56       1.03       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.15       3.12       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    136011.30   22780.26   162154.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1244.84     111.05    1509.07


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275967.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  183.08  793.13  595.64  778.45 1254.89  761.9 1420.77  755.38
  1685.7  748.01 1841.07  746.85 2165.97  746.85 2476.12     746 3309.12  718.33
 3375.73  714.91 3460.39  713.15 3470.89  713.06 3657.95  718.29 3824.82  716.85
 3957.46  715.33 4099.87  711.57 4447.97   703.2 4872.22  695.32 5187.95  694.19
 5323.81  692.78 5471.65  688.62 5535.25  685.04 5872.18  682.75 6196.78  682.79
 6327.72   683.7 6532.28   677.4 6686.99  674.25 6753.18   671.1 6798.73   671.1
 6938.53   673.3 7140.73  683.33 7199.26  681.39  7319.6  678.67 7657.38  665.32
 7701.91  665.39 7845.62  661.13 8118.08  639.39 8131.17  637.87  8291.7  630.98
 8420.63  630.13 8656.99  634.86 8819.44  633.78 8989.62  626.35 9162.71  623.51
 9296.79  608.51  9312.8  608.35 9396.17  602.05  9552.6   592.6 9605.89   592.6
 9644.96  595.47 9762.81  624.69 9862.89  632.0510223.44  629.3710370.49  621.43
10422.39  614.1910620.26  612.72 10854.9  624.68 11134.1   622.611724.59  619.45
13084.49  619.4513308.31   612.613883.68   612.614326.33  615.75 14382.2   618.9
14655.57  616.6314662.06  609.7214761.24  608.3515374.07  592.3515895.79   586.3
15943.82  581.9716112.92  577.8216156.55   573.616225.21  567.8516636.38  567.85
16712.18  572.8916784.86   586.316873.82  609.4416892.88  612.02   17132  638.51
17573.41  643.9918010.02  646.86 20128.1  644.2520243.68  644.2520473.89  644.71
20824.91  638.57 21814.3  640.5522072.47   643.723753.28  646.8524136.82  648.35
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24561.27  652.2325213.72  661.9725438.38  663.1526556.21  663.1527193.45   656.3
27468.11   656.328043.86  653.1528282.27  651.3228454.34  651.0928594.77  648.83
28743.84  649.7829038.73   654.829361.43  657.6330462.82  680.8531129.07  682.46
32099.92  732.7632243.03  733.11 32861.9  693.5132896.71  693.5934495.13  752.27
35541.59  749.0435739.64  750.1936092.59  767.8936134.17  768.3636441.67  764.99
36774.31   775.636932.89   777.437709.56     79038407.54  792.0938759.52     800

Manning's n Values        num=       3
     Sta   n Val      Sta   n Val     Sta   n Val
       0     .1515895.79     .1516784.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15895.7916784.86                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1498397.00   166354.50   1708366.00
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)            1498397.00   166354.50   1708366.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3053839.00   505279.20   3170882.00
  Top Width (ft)          34628.13    Top Width (ft)          14590.38     889.07   19148.69
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.04       3.04       1.86
  Max Chl Dpth (ft)         192.06    Hydr. Depth (ft)          102.70     187.11      89.22
  Conv. Total (cfs)       716930100.0    Conv. (cfs)            325317900.0   53826130.0   337786100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14603.65     891.15   19157.78
  Min Ch El (ft)            567.85    Shear (lb/sq ft)            0.56       1.03       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.15       3.12       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    135839.40   22761.18   161957.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1243.17     110.95    1506.87


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275964.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  183.12  793.13  595.78  778.44 1255.19   761.9 1421.11  755.38
 1686.11  748.01 1841.51  746.84 2166.48  746.84 2476.71  745.98 3309.91  718.35
 3376.54  714.93 3461.22  713.16 3471.71  713.07 3658.82  718.29 3825.74  716.84
  3958.4  715.32 4100.85  711.55 4449.03  703.18 4873.38  695.31 5189.19  694.17
 5325.08  692.76 5472.95   688.6 5536.57  685.01 5873.58  682.72 6198.25  682.77
 6329.23  683.68 6533.84  677.36 6688.59   674.2 6754.79  671.04 6800.35  671.04
 6940.18  673.25 7142.43  683.28 7200.98  681.35 7321.34  678.64 7659.21  665.33
 7703.75   665.4 7847.49  661.19 8120.02  639.48 8133.11  637.96 8293.68  631.06
 8422.64   630.2 8659.06  634.95 8821.55  633.88 8991.77  626.43 9164.89  623.59
    9299   608.6 9315.02  608.44 9398.42  602.12 9554.88  592.64 9608.19  592.64
 9647.26  595.52 9765.14  624.74 9865.24  632.1210225.88  629.4310372.96  621.49
10424.88  614.27 10622.8  612.7910857.49  624.7211136.76  622.6411727.39  619.48
13087.61  619.4813311.48  612.6413886.99  612.6414329.75   615.814385.63  618.96
14659.07  616.6814665.56  609.7914764.76  608.4115377.74  592.3715899.59  586.32
15947.75  581.9816117.34  577.8416161.09  573.6116229.94  567.8516641.36  567.85
16717.33  572.8916790.17  586.3216879.12  609.4416898.18  612.0217137.28  638.47
17578.64  643.9618015.21  646.8220133.05   644.220248.62   644.220478.81  644.66
20829.79  638.5321819.07  640.5222077.22  643.6823757.84  646.8424141.34  648.34
24565.75  652.2325218.12  661.9825442.76  663.1626560.47  663.1627197.64  656.32
27472.27  656.3228047.96  653.1628286.34  651.3228458.39  651.09 28598.8  648.82
28747.86  649.7729042.72  654.7929365.38  657.6230466.65  680.8231132.83  682.44
32103.58  732.6832246.67  733.0332865.48  693.4932900.28  693.5734498.53  752.18
35544.87  748.97 35742.9  750.1336095.81  767.8236137.39  768.2936444.86  764.94
36777.46  775.5636936.02  777.3637712.61     79038410.52   792.138762.46     800

Manning's n Values        num=       3
     Sta   n Val      Sta   n Val     Sta   n Val
       0     .1515899.59     .1516790.17     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15899.5916790.17                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1498448.00   166627.40   1708702.00
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)            1498448.00   166627.40   1708702.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3052791.00   505966.90   3171243.00
  Top Width (ft)          34632.34    Top Width (ft)          14593.85     890.58   19147.91
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)            2.04       3.04       1.86
  Max Chl Dpth (ft)         192.06    Hydr. Depth (ft)          102.68     187.10      89.24
  Conv. Total (cfs)       717103600.0    Conv. (cfs)            325284900.0   53912430.0   337906300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14607.10     892.67   19156.99
  Min Ch El (ft)            567.85    Shear (lb/sq ft)            0.56       1.03       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.15       3.12       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    135667.40   22742.07   161761.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1241.49     110.84    1504.68


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275962.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  183.16  793.12  595.93  778.42 1255.48   761.9 1421.45  755.37
 1686.51     748 1841.95  746.83    2167  746.83  2477.3  745.97  3310.7  718.36
 3377.35  714.94 3462.04  713.17 3472.54  713.08 3659.69  718.28 3826.65  716.83
 3959.35   715.3 4101.82  711.53 4450.09  703.17 4874.54  695.29 5190.42  694.15
 5326.35  692.74 5474.26  688.57 5537.89  684.97 5874.98  682.69 6199.73  682.75
 6330.74  683.66  6535.4  677.32 6690.19  674.15  6756.4  670.98 6801.98  670.98
 6941.84  673.19 7144.13  683.22  7202.7   681.3 7323.09  678.61 7661.04  665.34
 7705.58  665.42 7849.36  661.25 8121.96  639.57 8135.05  638.05 8295.66  631.13
 8424.65  630.27 8661.12  635.05 8823.65  633.97 8993.92  626.51 9167.08  623.66
 9301.22  608.69 9317.25  608.53 9400.66  602.19 9557.16  592.68 9610.48  592.68
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 9649.56  595.57 9767.47  624.78 9867.59  632.1910228.32  629.4910375.44  621.56
10427.37  614.3410625.33  612.8610860.08  624.7711139.42  622.6811730.18  619.51
13090.73  619.5113314.66  612.6813890.31  612.6814333.17  615.8514389.06  619.02
14662.57  616.7314669.06  609.8514768.29  608.4715381.41   592.415903.38  586.34
15951.68  581.9916121.75  577.8616165.63  573.6216234.68  567.8516646.34  567.85
16722.49  572.8916795.49  586.3416884.43  609.4416903.49  612.0217142.56  638.43
17583.87  643.9218020.39  646.7820138.01  644.1520253.56  644.1520483.73  644.61
20834.66  638.4921823.85  640.4922081.96  643.66 23762.4  646.8324145.86  648.33
24570.22  652.2325222.52  661.9925447.14  663.1726564.72  663.1727201.83  656.34
27476.43  656.3428052.06  653.1728290.41  651.3328462.45  651.0928602.84  648.81
28751.88  649.7529046.71  654.7929369.33  657.6230470.49  680.7931136.59  682.41
32107.23  732.5932250.31  732.9432869.05  693.4732903.85  693.5534501.93  752.09
35548.15   748.935746.16  750.0736099.04  767.7536140.61  768.2236448.04  764.89
36780.61  775.5136939.16  777.3237715.66     79038413.49  792.1138765.39     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515903.38     .1516795.49     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15903.3816795.49                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1498506.00   166903.90   1709049.00
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)            1498506.00   166903.90   1709049.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3051730.00   506660.80   3171609.00
  Top Width (ft)          34636.65    Top Width (ft)          14597.41     892.11   19147.13
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)            2.04       3.04       1.86
  Max Chl Dpth (ft)         192.06    Hydr. Depth (ft)          102.66     187.09      89.26
  Conv. Total (cfs)       717283100.0    Conv. (cfs)            325253200.0   53999890.0   338030000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14610.65     894.20   19156.19
  Min Ch El (ft)            567.85    Shear (lb/sq ft)            0.56       1.03       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.15       3.11       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    135495.40   22722.93   161565.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1239.82     110.74    1502.48


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275959.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  183.21  793.12  596.07  778.41 1255.78  761.89 1421.79  755.36
 1686.91     748 1842.39  746.82 2167.52  746.82 2477.89  745.96 3311.49  718.38
 3378.15  714.96 3462.87  713.18 3473.37  713.09 3660.57  718.28 3827.56  716.82
 3960.29  715.29  4102.8  711.52 4451.15  703.15  4875.7  695.28 5191.66  694.13
 5327.62  692.72 5475.56  688.54 5539.21  684.93 5876.38  682.65 6201.21  682.73
 6332.25  683.64 6536.96  677.28 6691.78   674.1 6758.01  670.92  6803.6  670.92
  6943.5  673.14 7145.84  683.17 7204.42  681.25 7324.83  678.58 7662.86  665.34
 7707.42  665.44 7851.23   661.3 8123.89  639.66 8136.99  638.14 8297.64   631.2
 8426.66  630.35 8663.19  635.14 8825.75  634.07 8996.06  626.58 9169.27  623.74
 9303.44  608.78 9319.47  608.62  9402.9  602.26 9559.44  592.72 9612.77  592.72
 9651.86  595.62  9769.8  624.83 9869.95  632.2610230.75  629.5510377.91  621.63
10429.85  614.4210627.87  612.9410862.67  624.8211142.07  622.7211732.98  619.54
13093.85  619.5413317.83  612.7213893.62  612.7214336.58   615.914392.49  619.08
14666.07  616.7914672.56  609.9114771.81  608.5315385.08  592.4215907.17  586.36
15955.61  582.0116126.17  577.8816170.17  573.6316239.41  567.8516651.32  567.85
16727.64  572.8816800.81  586.3616889.74  609.4416908.79  612.0117147.84   638.4
 17589.1  643.8918025.57  646.7420142.96   644.120258.51   644.120488.64  644.57
20839.54  638.4621828.62  640.46 22086.7  643.6423766.96  646.8224150.38  648.33
 24574.7  652.2225226.93     66225451.52  663.1826568.98  663.1827206.02  656.36
27480.59  656.3628056.15  653.1828294.49  651.33 28466.5  651.0928606.88  648.79
 28755.9  649.74 29050.7  654.7829373.29  657.6130474.32  680.7631140.36  682.39
32110.89   732.532253.96  732.8532872.62  693.4532907.43  693.5334505.32     752
35551.44  748.8335749.43     75036102.26  767.6836143.83  768.1536451.23  764.85
36783.76  775.4736942.29  777.2837718.71     79038416.46  792.1138768.33     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515907.17     .1516800.81     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15907.1716800.81                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1498554.00   167180.00   1709387.00
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)            1498554.00   167180.00   1709387.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3050655.00   507359.00   3171986.00
  Top Width (ft)          34641.21    Top Width (ft)          14601.13     893.64   19146.45
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)            2.04       3.03       1.86
  Max Chl Dpth (ft)         192.06    Hydr. Depth (ft)          102.63     187.08      89.28
  Conv. Total (cfs)       717452500.0    Conv. (cfs)            325215500.0   54087070.0   338149900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14614.37     895.73   19155.48
  Min Ch El (ft)            567.85    Shear (lb/sq ft)            0.56       1.03       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.15       3.11       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    135323.40   22703.75   161369.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1238.14     110.64    1500.28


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275956.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  183.25  793.11  596.21   778.4 1256.08  761.89 1422.13  755.35
 1687.31  747.99 1842.83  746.81 2168.03  746.81 2478.48  745.94 3312.28   718.4
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 3378.96  714.98 3463.69  713.19  3474.2   713.1 3661.44  718.27 3828.47  716.81
 3961.24  715.27 4103.78   711.5 4452.21  703.13 4876.87  695.26  5192.9  694.11
 5328.89   692.7 5476.87  688.51 5540.53   684.9 5877.78  682.62 6202.69   682.7
 6333.76  683.62 6538.52  677.24 6693.38  674.05 6759.62  670.86 6805.22  670.86
 6945.15  673.09 7147.54  683.12 7206.14  681.21 7326.58  678.56 7664.69  665.35
 7709.26  665.45  7853.1  661.36 8125.83  639.75 8138.93  638.23 8299.62  631.27
 8428.67  630.42 8665.26  635.24 8827.86  634.17 8998.21  626.66 9171.45  623.81
 9305.66  608.87 9321.69  608.71 9405.14  602.33 9561.72  592.76 9615.06  592.76
 9654.16  595.67 9772.13  624.88  9872.3  632.3310233.19  629.6210380.39   621.7
10432.34   614.5 10630.4  613.0110865.26  624.8611144.73  622.7611735.78  619.57
13096.97  619.5713321.01  612.7613896.93  612.76   14340  615.9514395.92  619.14
14669.56  616.8414676.06  609.9714775.33  608.5915388.75  592.4515910.97  586.38
15959.54  582.0216130.58  577.8916174.71  573.6416244.15  567.85 16656.3  567.85
16732.79  572.8816806.12  586.3816895.05  609.44 16914.1  612.0117153.12  638.36
17594.33  643.8518030.76  646.6920147.92  644.0520263.45  644.0520493.56  644.52
20844.42  638.4221833.39  640.4322091.45  643.6223771.52  646.81 24154.9  648.32
24579.17  652.2225231.33  662.0125455.89  663.1926573.24  663.1927210.21  656.38
27484.75  656.3828060.25  653.1928298.56  651.3428470.55  651.0928610.92  648.78
28759.92  649.7229054.69  654.7729377.24   657.630478.16  680.7331144.12  682.37
32114.55  732.42 32257.6  732.77 32876.2  693.43   32911  693.5134508.72  751.91
35554.72  748.7535752.69  749.9436105.48  767.6136147.05  768.0836454.41   764.8
36786.91  775.4236945.43  777.2437721.76     79038419.44  792.1238771.27     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515910.97     .1516806.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15910.9716806.12                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1498608.00   167453.50   1709748.00
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)             1498608.00   167453.50   1709748.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3049573.00   508043.90   3172383.00
  Top Width (ft)          34645.51    Top Width (ft)           14604.68     895.15   19145.68
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)             2.03       3.03       1.86
  Max Chl Dpth (ft)         192.06    Hydr. Depth (ft)           102.61     187.07      89.30
  Conv. Total (cfs)       717634600.0    Conv. (cfs)             325182600.0   54173830.0   338278100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         14617.91     897.24   19154.70
  Min Ch El (ft)            567.85    Shear (lb/sq ft)             0.56       1.02       0.49
  Alpha                       1.06    Stream Power (lb/ft s)       1.15       3.11       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    135151.30   22684.55   161173.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1236.47     110.54    1498.08


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275953.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  183.29  793.11  596.35  778.39 1256.38  761.89 1422.47  755.34
 1687.72  747.98 1843.27   746.8 2168.55   746.8 2479.07  745.93 3313.07  718.41
 3379.76  714.99 3464.52   713.2 3475.03  713.11 3662.31  718.27 3829.39   716.8
 3962.18  715.26 4104.76  711.48 4453.28  703.11 4878.03  695.25 5194.14   694.1
 5330.16  692.68 5478.17  688.49 5541.85  684.86 5879.18  682.59 6204.17  682.68
 6335.27   683.6 6540.08   677.2 6694.97     674 6761.23   670.8 6806.84   670.8
 6946.81  673.03 7149.25  683.06 7207.85  681.16 7328.33  678.53 7666.52  665.36
  7711.1  665.47 7854.98  661.42 8127.77  639.84 8140.87  638.32 8301.59  631.34
 8430.67  630.49 8667.32  635.33 8829.96  634.26 9000.35  626.74 9173.64  623.89
 9307.88  608.96 9323.91   608.8 9407.38   602.4    9564   592.8 9617.36   592.8
 9656.46  595.72 9774.46  624.92 9874.66   632.410235.63  629.6810382.86  621.77
10434.83  614.5710632.93  613.0810867.85  624.9111147.39   622.811738.58   619.6
 13100.1   619.613324.19   612.813900.24   612.814343.42     61614399.36   619.2
14673.06  616.8914679.56  610.0414778.85  608.6515392.42  592.4815914.76   586.4
15963.47  582.0316134.99  577.9116179.24  573.6516248.88  567.8516661.28  567.85
16737.94  572.8716811.44   586.416900.35  609.44 16919.4  612.01 17158.4  638.32
17599.56  643.8218035.94  646.6520152.87     64420268.39     64420498.48  644.47
 20849.3  638.3821838.16   640.422096.19   643.623776.08   646.824159.42  648.32
24583.64  652.2225235.73  662.0325460.27   663.2 26577.5   663.227214.39   656.4
27488.91   656.428064.35   653.228302.63  651.34 28474.6  651.0828614.95  648.77
28763.94  649.7129058.68  654.7729381.19  657.5930481.99   680.731147.88  682.34
 32118.2  732.3332261.24  732.6832879.77  693.4132914.57  693.4934512.12  751.83
   35558  748.6835755.95  749.8836108.71  767.5436150.27  768.01 36457.6  764.75
36790.06  775.3836948.56   777.237724.81     79038422.41  792.13 38774.2     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515914.76     .1516811.44     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15914.7616811.44                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1498659.00   167730.70   1710077.00
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)             1498659.00   167730.70   1710077.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3048527.00   508745.30   3172729.00
  Top Width (ft)          34649.80    Top Width (ft)           14608.22     896.68   19144.90
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)             2.03       3.03       1.86
  Max Chl Dpth (ft)         192.06    Hydr. Depth (ft)           102.59     187.06      89.32
  Conv. Total (cfs)       717806200.0    Conv. (cfs)             325148800.0   54261600.0   338395900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         14621.43     898.77   19153.90
  Min Ch El (ft)            567.85    Shear (lb/sq ft)             0.56       1.02       0.49
  Alpha                       1.06    Stream Power (lb/ft s)       1.14       3.11       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    134979.30   22665.31   160976.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1234.79     110.43    1495.89


CROSS SECTION


RIVER: BRAZOS
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REACH: UPPER BRAZOS       RS: 275950.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  183.34   793.1  596.49  778.37 1256.68  761.89 1422.81  755.34
 1688.12  747.98 1843.71  746.79 2169.07  746.79 2479.66  745.92 3313.85  718.43
 3380.57  715.01 3465.35  713.21 3475.86  713.12 3663.18  718.26  3830.3  716.79
 3963.13  715.24 4105.74  711.47 4454.34  703.09 4879.19  695.24 5195.38  694.08
 5331.43  692.67 5479.48  688.46 5543.18  684.82 5880.59  682.55 6205.65  682.66
 6336.78  683.58 6541.64  677.16 6696.57  673.95 6762.85  670.74 6808.46  670.74
 6948.46  672.98 7150.95  683.01 7209.57  681.12 7330.07   678.5 7668.35  665.36
 7712.93  665.49 7856.85  661.47  8129.7  639.93 8142.81  638.41 8303.57  631.41
 8432.68  630.56 8669.39  635.43 8832.07  634.36  9002.5  626.82 9175.83  623.96
  9310.1  609.05 9326.13  608.89 9409.63  602.47 9566.28  592.84 9619.65  592.84
  9658.76  595.77 9776.79  624.97 9877.01  632.4710238.07  629.7410385.34  621.83
10437.31  614.6510635.47  613.1510870.44  624.9611150.04  622.8411741.38  619.63
13103.22  619.6313327.36  612.8413903.56  612.8414346.84  616.0514402.79  619.26
14676.56  616.9414683.05   610.114782.37  608.7115396.08   592.515918.55  586.42
 15967.4  582.04 16139.4  577.9316183.78  573.6616253.61  567.8516666.26  567.85
16743.09  572.8716816.76  586.4216905.66  609.4316924.71     61217163.68  638.29
 17604.8  643.7818041.13  646.6120157.83  643.9520273.33  643.9520503.39  644.42
20854.18  638.3521842.93  640.3722100.94  643.5823780.65  646.7924163.94  648.31
24588.12  652.2125240.14  662.0425464.65  663.2126581.76  663.2127218.58  656.42
27493.07  656.4228068.44  653.21 28306.7  651.3528478.65  651.0828618.99  648.76
28767.96  649.6929062.67  654.7629385.15  657.5930485.82  680.6731151.64  682.32
32121.86  732.2532264.88   732.632883.35  693.3932918.14  693.4734515.52  751.74
35561.29  748.6135759.21  749.8136111.93  767.4736153.48  767.9536460.79   764.7
36793.21  775.3336951.69  777.1637727.86     79038425.38  792.1338777.14     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515918.55     .1516816.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15918.5516816.76                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1498710.00   168007.10   1710409.00
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)            1498710.00   168007.10   1710409.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3047485.00   509442.30   3173074.00
  Top Width (ft)          34654.11    Top Width (ft)          14611.69     898.21   19144.21
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)            2.03       3.03       1.86
  Max Chl Dpth (ft)         192.06    Hydr. Depth (ft)          102.57     187.05      89.34
  Conv. Total (cfs)       717978600.0    Conv. (cfs)            325115700.0   54348980.0   338513900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14624.89     900.30   19153.20
  Min Ch El (ft)            567.85    Shear (lb/sq ft)            0.56       1.02       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.14       3.10       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   134807.30   22646.04   160780.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1233.11     110.33    1493.69


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275947.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  183.38   793.1  596.64  778.36 1256.98  761.88 1423.14  755.33
 1688.52  747.97 1844.15  746.78 2169.59  746.78 2480.25  745.91 3314.64  718.45
 3381.37  715.02 3466.17  713.22 3476.68  713.13 3664.06  718.25 3831.21  716.78
 3964.07  715.23 4106.72  711.45  4455.4  703.07 4880.35  695.22 5196.61  694.06
  5332.7  692.65 5480.79  688.43  5544.5  684.79 5881.99  682.52 6207.13  682.63
 6338.29  683.56 6543.19  677.12 6698.16   673.9 6764.46  670.68 6810.09  670.68
 6950.12  672.93 7152.65  682.96 7211.29  681.07 7331.82  678.48 7670.17  665.37
 7714.77  665.51 7858.72  661.53 8131.64  640.01 8144.75  638.49 8305.55  631.48
 8434.69  630.64 8671.45  635.52 8834.17  634.46 9004.64   626.9 9178.01  624.04
 9312.31  609.14 9328.36  608.98 9411.87  602.54 9568.56  592.88 9621.94  592.88
 9661.07  595.82 9779.12  625.02 9879.36  632.5410240.51   629.810387.81   621.9
 10439.8  614.73   10638  613.2210873.03     625 11152.7  622.8811744.17  619.66
13106.34  619.6613330.54  612.8813906.87  612.8814350.26   616.114406.22  619.32
14680.05     61714686.55  610.16 14785.9  608.7715399.75  592.5315922.35  586.44
15971.33  582.0516143.82  577.9516188.32  573.6716258.35  567.8516671.24  567.85
16748.24  572.8616822.07  586.4416910.97  609.4316930.01     61217168.96  638.25
17610.03  643.7518046.31  646.5720162.78   643.920278.28   643.920508.31  644.37
20859.06  638.3121847.71  640.3422105.68  643.5623785.21  646.7824168.46  648.31
24592.59  652.2125244.54  662.0525469.03  663.2226586.01  663.2227222.77  656.44
27497.22  656.4428072.54  653.2228310.77  651.3528482.71  651.0828623.03  648.74
28771.98  649.6829066.66  654.75 29389.1  657.5830489.66  680.65 31155.4   682.3
32125.52  732.1632268.52  732.5132886.92  693.3732921.71  693.4534518.91  751.65
35564.57  748.5435762.48  749.7536115.16   767.436156.71  767.8836463.97  764.66
36796.36  775.2836954.82  777.1237730.91     79038428.36  792.1438780.07     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515922.35     .1516822.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15922.3516822.07                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1498760.00   168280.60   1710743.00
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)            1498760.00   168280.60   1710743.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3046422.00   510133.70   3173445.00
  Top Width (ft)          34658.59    Top Width (ft)          14615.42     899.72   19143.45
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)            2.03       3.03       1.86
  Max Chl Dpth (ft)         192.06    Hydr. Depth (ft)          102.55     187.04      89.36
  Conv. Total (cfs)       718147500.0    Conv. (cfs)            325078700.0   54435550.0   338633200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14628.62     901.81   19152.42
  Min Ch El (ft)            567.85    Shear (lb/sq ft)            0.56       1.02       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.14       3.10       0.91
```

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  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    134635.30   22626.74   160584.30
  C & E Loss (ft)            0.00    Cum SA (acres)           1231.44     110.23    1491.49


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275944.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  183.43  793.09  596.78  778.35 1257.28  761.88 1423.48  755.32
 1688.92  747.96 1844.59  746.77  2170.1  746.77 2480.84  745.89 3315.43  718.47
 3382.18  715.04    3467  713.23 3477.51  713.14 3664.93  718.25 3832.12  716.77
 3965.01  715.21 4107.69  711.43 4456.46  703.05 4881.52  695.21 5197.85  694.04
 5333.97  692.63 5482.09  688.41 5545.82  684.75 5883.39  682.49  6208.6  682.61
  6339.8  683.54 6544.75  677.08 6699.76  673.85 6766.07  670.62 6811.71  670.62
 6951.77  672.87 7154.36  682.91 7213.01  681.03 7333.57  678.45    7672  665.38
 7716.61  665.52 7860.59  661.59 8133.58   640.1  8146.7  638.58 8307.53  631.56
  8436.7  630.71 8673.52  635.62 8836.28  634.55 9006.79  626.98  9180.2  624.11
 9314.53  609.23 9330.58  609.07 9414.11  602.61 9570.84  592.92 9624.23  592.92
 9663.37  595.87 9781.45  625.06 9881.72  632.6110242.95  629.8610390.29  621.97
10442.29  614.8110640.54   613.310875.62  625.0511155.36  622.9211746.97  619.69
13109.46  619.6913333.71  612.9213910.18  612.9214353.68  616.1514409.65  619.38
14683.55  617.0514690.05  610.2314789.42  608.8415403.42  592.5515926.14  586.46
15975.26  582.0716148.23  577.9616192.86  573.6816263.08  567.8416676.22  567.84
16753.39  572.8616827.39  586.4616916.28  609.4316935.32     61217174.24  638.21
17615.26  643.7118051.49  646.5320167.73  643.8520283.22  643.8520513.23  644.32
20863.94  638.2821852.48  640.3122110.42  643.5423789.77  646.7724172.98   648.3
24597.06  652.2125248.94  662.0625473.41  663.2326590.27  663.2327226.96  656.46
27501.38  656.4628076.63  653.2328314.84  651.3528486.76  651.0828627.06  648.73
   28776  649.6729070.64  654.7529393.05  657.5730493.49  680.6231159.17  682.27
32129.17  732.0732272.16  732.43 32890.5  693.3432925.28  693.4334522.31  751.56
35567.86  748.4735765.74  749.6936118.38  767.3336159.93  767.8136467.16  764.61
36799.51  775.2436957.96  777.0837733.95     79038431.33  792.15   38783     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515926.14     .1516827.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15926.1416827.39                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.91    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1498811.00   168561.70   1711090.00
  E.G. Slope (ft/ft)      0.000088   Area (sq ft)            1498811.00   168561.70   1711090.00
  Q Total (cfs)           6730000.00   Flow (cfs)             3045341.00   510848.70   3173810.00
  Top Width (ft)          34662.89   Top Width (ft)          14618.97     901.25   19142.67
  Vel Total (ft/s)            1.99   Avg. Vel. (ft/s)            2.03       3.03       1.85
  Max Chl Dpth (ft)         192.07   Hydr. Depth (ft)          102.53     187.03      89.39
  Conv. Total (cfs)       718327100.0   Conv. (cfs)           325044700.0   54525480.0   338756900.0
  Length Wtd. (ft)            5.00   Wetted Per. (ft)        14632.15     903.35   19151.63
  Min Ch El (ft)            567.84   Shear (lb/sq ft)            0.56       1.02       0.49
  Alpha                       1.06   Stream Power (lb/ft s)      1.14       3.10       0.91
  Frctn Loss (ft)             0.00   Cum Volume (acre-ft)    134463.20   22607.41   160387.90
  C & E Loss (ft)             0.00   Cum SA (acres)           1229.76     110.12    1489.29


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275941.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  183.47  793.09  596.92  778.34 1257.58  761.88 1423.82  755.31
 1689.32  747.96 1845.03  746.76 2170.62  746.76 2481.43  745.88 3316.22  718.48
 3382.98  715.05 3467.82  713.24 3478.34  713.15  3665.8  718.24 3833.04  716.76
 3965.96   715.2 4108.67  711.42 4457.52  703.03 4882.68  695.19 5199.09  694.02
 5335.24  692.61  5483.4  688.38 5547.14  684.71 5884.79  682.46 6210.08  682.59
 6341.31  683.52 6546.31  677.04 6701.36   673.8 6767.68  670.56 6813.33  670.56
 6953.43  672.82 7156.06  682.85 7214.72  680.98 7335.31  678.42 7673.83  665.39
 7718.45  665.54 7862.46  661.64 8135.51  640.19 8148.64  638.67 8309.51  631.63
 8438.71  630.78 8675.58  635.71 8838.38  634.65 9008.93  627.05 9182.38  624.18
 9316.75  609.32  9332.8  609.16 9416.35  602.68 9573.12  592.96 9626.52  592.96
 9665.67  595.91 9783.78  625.11 9884.07  632.6810245.39  629.9210392.76  622.04
10444.77  614.8810643.07  613.3710878.21  625.0911158.02  622.9611749.77  619.72
13112.58  619.7213336.89  612.96 13913.5  612.9614357.09   616.214413.08  619.44
14687.05   617.114693.55  610.2914792.94   608.915407.09  592.5815929.93  586.48
15979.19  582.0816152.64  577.9816197.39  573.6916267.82  567.84 16681.2  567.84
16758.55  572.8616832.71  586.4816921.58  609.4316940.62     61217179.52  638.18
17620.49  643.6818056.68  646.4920172.69   643.820288.16   643.820518.15  644.27
20868.82  638.2421857.25  640.2822115.17  643.5223794.33  646.76 24177.5   648.3
24601.54   652.225253.35  662.0725477.79  663.2426594.53  663.2427231.15  656.48
27505.54  656.4828080.73  653.2428318.91  651.3628490.81  651.08 28631.1  648.72
28780.02  649.6529074.63  654.7429397.01  657.5630497.33  680.5931162.93  682.25
32132.83  731.99 32275.8  732.3432894.07  693.3232928.85  693.4134525.71  751.47
35571.14   748.4   35769  749.6336121.61  767.2636163.14  767.7436470.34  764.56
36802.66  775.1936961.09  777.04   37737     790 38434.3  792.1538785.94     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515929.93     .1516832.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15929.9316832.71                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.91    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1498870.00   168838.00   1711427.00
  E.G. Slope (ft/ft)      0.000088   Area (sq ft)            1498870.00   168838.00   1711427.00
```

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  Q Total (cfs)           6730000.00    Flow (cfs)              3044302.00   511541.20   3174157.00
  Top Width (ft)          34667.20    Top Width (ft)          14622.51     902.78   19141.90
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)            2.03       3.03       1.85
  Max Chl Dpth (ft)         192.07    Hydr. Depth (ft)          102.50     187.02      89.41
  Conv. Total (cfs)       718504100.0    Conv. (cfs)             325013800.0   54612840.0   338877400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14635.68     904.88   19150.84
  Min Ch El (ft)            567.84    Shear (lb/sq ft)            0.56       1.02       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.14       3.10       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    134291.20   22588.05   160191.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1228.08     110.02    1487.10


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275938.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  183.51  793.08  597.06  778.32 1257.88  761.88 1424.16   755.3
 1689.73  747.95 1845.47  746.75 2171.14  746.75 2482.02  745.87 3317.01   718.5
 3383.79  715.07 3468.65  713.25 3479.17  713.16 3666.68  718.24 3833.95  716.75
  3966.9  715.18 4109.65   711.4 4458.58  703.01 4883.84  695.18 5200.33     694
 5336.51  692.59  5484.7  688.35 5548.46  684.68 5886.19  682.42 6211.56  682.57
 6342.82   683.5 6547.87     677 6702.95  673.75 6769.29   670.5 6814.95   670.5
 6955.09  672.77 7157.77   682.8 7216.44  680.93 7337.06  678.39 7675.65  665.39
 7720.29  665.56 7864.34   661.7 8137.45  640.28 8150.58  638.76 8311.49   631.7
 8440.72  630.86 8677.65  635.81 8840.49  634.75 9011.08  627.13 9184.57  624.26
 9318.97  609.41 9335.02  609.25 9418.59  602.75  9575.4     593 9628.82     593
 9667.97  595.96 9786.11  625.16 9886.42  632.7510247.83  629.9810395.24  622.11
10447.26  614.9610645.61  613.44 10880.8  625.1411160.67     62311752.57  619.75
13115.71  619.7513340.06     61313916.81     61314360.51  616.2514416.51   619.5
14690.54  617.1614697.05  610.3514796.46  608.9615410.76   592.615933.72   586.5
15983.12  582.0916157.06     57816201.93   573.716272.55  567.8416686.18  567.84
 16763.7  572.8516838.03   586.516926.89  609.4316945.93  611.9917184.79  638.14
17625.72  643.6418061.86  646.4420177.64  643.75 20293.1  643.7520523.06  644.23
 20873.7   638.221862.02  640.2522119.91   643.523798.89  646.7524182.02  648.29
24606.01   652.225257.75  662.0825482.17  663.2526598.79  663.2527235.34   656.5
 27509.7   656.528084.83  653.2528322.98  651.3628494.86  651.0828635.14   648.7
28784.04  649.6429078.62  654.7329400.96  657.5630501.16  680.5631166.69  682.22
32136.49   731.932279.45  732.2632897.64   693.332932.42  693.3934529.11  751.39
35574.43  748.3235772.26  749.5636124.83  767.1936166.36  767.6736473.53  764.51
36805.81  775.1536964.22     77737740.05     79038437.27  792.1638788.88     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515933.72     .1516838.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15933.7216838.03                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1498917.00   169114.60   1711781.00
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)            1498917.00   169114.60   1711781.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3043218.00   512234.70   3174547.00
  Top Width (ft)          34671.57    Top Width (ft)          14626.05     904.31   19141.21
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)            2.03       3.03       1.85
  Max Chl Dpth (ft)         192.07    Hydr. Depth (ft)          102.48     187.01      89.43
  Conv. Total (cfs)       718681400.0    Conv. (cfs)             324978400.0   54700380.0   339002700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14639.22     906.41   19150.13
  Min Ch El (ft)            567.84    Shear (lb/sq ft)            0.56       1.02       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.14       3.09       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    134119.10   22568.65   159995.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1226.40     109.92    1484.90


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275935.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  183.56  793.08   597.2  778.31 1258.18  761.87  1424.5   755.3
 1690.13  747.95  1845.9  746.74 2171.65  746.74 2482.61  745.86  3317.8  718.52
 3384.59  715.08 3469.47  713.26    3480  713.17 3667.55  718.23 3834.86  716.74
 3967.85  715.17 4110.63  711.38 4459.64  702.99    4885  695.16 5201.57  693.99
 5337.78  692.57 5486.01  688.32 5549.78  684.64 5887.59  682.39 6213.04  682.54
 6344.33  683.48 6549.43  676.96 6704.55   673.7  6770.9  670.44 6816.58  670.44
 6956.74  672.72 7159.47  682.75 7218.16  680.89 7338.81  678.37 7677.48   665.4
 7722.12  665.57 7866.21  661.76 8139.39  640.37 8152.52  638.85 8313.47  631.77
 8442.73  630.93 8679.72   635.9 8842.59  634.84 9013.22  627.21 9186.76  624.33
 9321.19   609.5 9337.25  609.34 9420.84  602.82 9577.68  593.04 9631.11  593.04
 9670.27  596.01 9788.44   625.2 9888.78  632.8210250.27  630.0510397.71  622.17
10449.75  615.0410648.14  613.5110883.39  625.1911163.33  623.0411755.36  619.78
13118.83  619.7813343.24  613.0413920.12  613.0414363.93   616.314419.95  619.56
14694.04  617.2114700.55  610.4114799.99  609.0215414.43  592.6315937.52  586.52
15987.05   582.116161.47  578.0216206.47   573.716277.28  567.8416691.15  567.84
16768.85  572.8516843.34  586.52 16932.2  609.4216951.23  611.9917190.07  638.11
17630.95  643.6118067.05   646.4 20182.6   643.720298.04   643.720527.98  644.18
20878.58  638.1721866.79  640.2222124.65  643.4823803.46  646.7424186.54  648.29
24610.49   652.225262.15   662.125486.55  663.2626603.04  663.2627239.53  656.52
27513.86  656.5228088.92  653.2628327.05  651.3728498.91  651.0728639.17  648.69
28788.06  649.6229082.61  654.7229404.92  657.55   30505  680.5331170.45   682.2
32140.14  731.8132283.09  732.1732901.22  693.2832935.99  693.37 34532.5   751.3
35577.71  748.2535775.52   749.536128.05  767.1236169.58   767.636476.72  764.47
36808.96   775.136967.36  776.96 37743.1     79038440.25  792.1738791.81     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515937.52     .1516843.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15937.5216843.34                5       5       5             .1       .3
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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1498963.00   169387.90   1712111.00
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)            1498963.00   169387.90   1712111.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3042162.00   512925.40   3174913.00
  Top Width (ft)          34675.98    Top Width (ft)          14629.71     905.82   19140.45
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)            2.03       3.03       1.85
  Max Chl Dpth (ft)         192.07    Hydr. Depth (ft)          102.46     187.00      89.45
  Conv. Total (cfs)       718848600.0    Conv. (cfs)            324941100.0   54786880.0   339120600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14642.86     907.92   19149.35
  Min Ch El (ft)            567.84    Shear (lb/sq ft)            0.56       1.02       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.14       3.09       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    133947.10   22549.22   159798.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1224.72     109.81    1482.70


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275932.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev
       0     800  183.6  793.08  597.35   778.3 1258.48  761.87 1424.84  755.29
 1690.53  747.94 1846.34  746.73 2172.17  746.73 2483.21  745.84 3318.59  718.53
  3385.4   715.1  3470.3  713.27 3480.82  713.18 3668.42  718.23 3835.78  716.73
 3968.79  715.15 4111.61  711.36 4460.71  702.97 4886.17  695.15  5202.8  693.97
 5339.05  692.55 5487.31   688.3  5551.1   684.6 5888.99  682.36 6214.52  682.52
 6345.84  683.46 6550.99  676.92 6706.14  673.65 6772.51  670.38  6818.2  670.38
  6958.4  672.66 7161.17  682.69 7219.88  680.84 7340.55  678.34 7679.31  665.41
 7723.96  665.59 7868.08  661.81 8141.33  640.46 8154.46  638.94 8315.44  631.84
 8444.74     631 8681.78     636  8844.7  634.94 9015.37  627.29 9188.94  624.41
 9323.41  609.59 9339.47  609.43 9423.08  602.89 9579.96  593.08  9633.4  593.08
 9672.57  596.06 9790.77  625.25 9891.13  632.8910252.71  630.1110400.18  622.24
10452.23  615.1110650.67  613.5910885.98  625.2311165.99  623.0811758.16  619.81
13121.95  619.8113346.42  613.0813923.43  613.0814367.35  616.3514423.38  619.62
14697.54  617.2614704.05  610.4814803.51  609.0815418.09  592.6615941.31  586.54
15990.98  582.1116165.88  578.0416211.01  573.7116282.02  567.8416696.13  567.84
   16774  572.8416848.66  586.5416937.51  609.4216956.54  611.9917195.35  638.07
17636.19  643.5718072.23  646.3620187.55  643.6520302.99  643.65 20532.9  644.13
20883.46  638.1321871.56  640.19 22129.4  643.4623808.02  646.7324191.06  648.28
24614.96  652.1925266.56  662.1125490.93  663.27 26607.3  663.2727243.72  656.54
27518.02  656.5428093.02  653.2728331.12  651.3728502.97  651.0728643.21  648.68
28792.09  649.61 29086.6  654.7229408.87  657.5430508.83   680.531174.21  682.18
 32143.8  731.7332286.73  732.0932904.79  693.2632939.56  693.35 34535.9  751.21
35580.99  748.1835778.79  749.4436131.28  767.05 36172.8  767.53 36479.9  764.42
36812.11  775.0636970.49  776.9237746.15     79038443.22  792.1738794.75     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515941.31     .1516848.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15941.3116848.66                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1499019.00   169664.80   1712452.00
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)            1499019.00   169664.80   1712452.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3041112.00   513618.70   3175270.00
  Top Width (ft)          34680.29    Top Width (ft)          14633.25     907.35   19139.68
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)            2.03       3.03       1.85
  Max Chl Dpth (ft)         192.07    Hydr. Depth (ft)          102.44     186.99      89.47
  Conv. Total (cfs)       719026300.0    Conv. (cfs)            324909200.0   54874500.0   339242500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14646.39     909.45   19148.57
  Min Ch El (ft)            567.84    Shear (lb/sq ft)            0.56       1.02       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.14       3.09       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    133775.00   22529.76   159601.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1223.04     109.71    1480.51


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275929.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev
       0     800  183.64  793.07  597.49  778.29 1258.78  761.87 1425.18  755.28
 1690.93  747.93 1846.78  746.72 2172.69  746.72  2483.8  745.83 3319.38  718.55
 3386.21  715.12 3471.13  713.28 3481.65  713.19 3669.29  718.22 3836.69  716.72
 3969.74  715.14 4112.58  711.35 4461.77  702.95 4887.33  695.13 5204.04  693.95
 5340.33  692.53 5488.62  688.27 5552.42  684.57 5890.39  682.32    6216   682.5
 6347.35  683.44 6552.55  676.88 6707.74   673.6 6774.13  670.32 6819.82  670.32
 6960.05  672.61 7162.88  682.64  7221.6   680.8  7342.3  678.31 7681.14  665.41
  7725.8  665.61 7869.95  661.87 8143.26  640.54  8156.4  639.03 8317.42  631.91
 8446.75  631.07 8683.85  636.09  8846.8  635.04 9017.51  627.37 9191.13  624.48
 9325.62  609.68 9341.69  609.52 9425.32  602.96 9582.24  593.12 9635.69  593.12
 9674.87  596.11  9793.1   625.3 9893.48  632.9610255.15  630.1710402.66  622.31
10454.72  615.1910653.21  613.6610888.57  625.2811168.64  623.1211760.96  619.84
13125.07  619.8413349.59  613.1213926.75  613.1214370.77   616.414426.81  619.68
14701.04  617.3114707.54  610.5414807.03  609.1415421.76  592.68 15945.1  586.56
15994.91  582.12 16170.3  578.0516215.55  573.7216286.75  567.8416701.11  567.84
16779.15  572.8416853.98  586.5616942.81  609.4216961.84  611.9817200.63  638.03
17641.42  643.5418077.42  646.3220192.51   643.620307.93   643.620537.81  644.08
20888.33  638.0921876.34  640.1622134.14  643.4423812.58  646.7224195.58  648.28
24619.44  652.1925270.96  662.12 25495.3  663.2826611.56  663.28 27247.9  656.56
27522.18  656.5628097.12  653.2828335.19  651.3728507.02  651.0728647.25  648.67
28796.11  649.5929090.59  654.7129412.82  657.5330512.66  680.4731177.98  682.15
32147.46  731.6432290.37     73232908.37  693.2432943.13  693.33 34539.3  751.12
35584.27  748.1135782.05  749.37 36134.5  766.9736176.02  767.4736483.09  764.37
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36815.26  775.0136973.62  776.88 37749.2     790 38446.2  792.1838797.68     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 15945.1     .1516853.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       15945.116853.98                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1499075.00   169942.00   1712807.00
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)            1499075.00   169942.00   1712807.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3040050.00   514312.50   3175638.00
  Top Width (ft)          34684.79    Top Width (ft)          14636.79     908.88   19139.11
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)            2.03       3.03       1.85
  Max Chl Dpth (ft)         192.07    Hydr. Depth (ft)          102.42     186.98      89.49
  Conv. Total (cfs)       719206100.0    Conv. (cfs)            324877000.0   54962360.0   339366700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14649.93     910.98   19147.99
  Min Ch El (ft)            567.84    Shear (lb/sq ft)            0.56       1.02       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.13       3.09       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    133603.00   22510.27   159405.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1221.36     109.60    1478.31


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275927.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  183.69  793.07  597.63  778.28 1259.08  761.86 1425.52  755.27
 1691.34  747.93 1847.22  746.71  2173.2  746.71 2484.39  745.82 3320.17  718.57
 3387.01  715.13 3471.95  713.29 3482.48   713.2 3670.17  718.22  3837.6  716.71
 3970.68  715.12 4113.56  711.33 4462.83  702.93 4888.49  695.12 5205.28  693.93
  5341.6  692.52 5489.93  688.24 5553.74  684.53  5891.8  682.29 6217.48  682.47
 6348.86  683.42  6554.1  676.84 6709.33  673.55 6775.74  670.26 6821.44  670.26
 6961.71  672.56 7164.58  682.59 7223.31  680.75 7344.05  678.29 7682.96  665.42
 7727.64  665.62 7871.83  661.93  8145.2  640.63 8158.34  639.11  8319.4  631.99
 8448.76  631.15 8685.91  636.19  8848.9  635.13 9019.66  627.45 9193.32  624.56
 9327.84  609.77 9343.91  609.61 9427.56  603.03 9584.52  593.16 9637.98  593.16
 9677.18  596.16 9795.43  625.34 9895.84  633.0310257.59  630.2310405.13  622.38
10457.21  615.2710655.74  613.7310891.16  625.33 11171.3  623.1611763.76  619.87
 13128.2  619.8713352.77  613.1613930.06  613.1614374.19  616.4514430.24  619.74
14704.53  617.3714711.04   610.614810.55   609.215425.43  592.71 15948.9  586.58
15998.84  582.1416174.71  578.0716220.08  573.7316291.49  567.8416706.09  567.84
 16784.3  572.8316859.29  586.5816948.12  609.4216967.15  611.9817205.91     638
17646.65   643.5 18082.6  646.2820197.46  643.5520312.87  643.5520542.73  644.03
20893.21  638.0621881.11  640.1322138.89  643.4223817.14  646.71 24200.1  648.27
24623.91  652.1925275.36  662.1325499.68  663.2926615.82  663.2927252.09  656.58
27526.34  656.5828101.21  653.2928339.26  651.3828511.07  651.0728651.29  648.65
28800.13  649.5829094.58   654.729416.78  657.53 30516.5  680.4431181.74  682.13
32151.12  731.5532294.01  731.9232911.94  693.22 32946.7  693.31 34542.7  751.03
35587.56  748.0435785.31  749.3136137.73   766.936179.24   767.436486.28  764.32
36818.41  774.9736976.75  776.8437752.25     79038449.17  792.1938800.61     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 15948.9     .1516859.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       15948.916859.29                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1499115.00   170213.80   1713136.00
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)            1499115.00   170213.80   1713136.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3038981.00   514998.30   3176020.00
  Top Width (ft)          34689.27    Top Width (ft)          14640.53     910.39   19138.36
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)            2.03       3.03       1.85
  Max Chl Dpth (ft)         192.07    Hydr. Depth (ft)          102.39     186.97      89.51
  Conv. Total (cfs)       719369200.0    Conv. (cfs)            324836500.0   55048140.0   339484600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14653.65     912.49   19147.21
  Min Ch El (ft)            567.84    Shear (lb/sq ft)            0.56       1.02       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.13       3.08       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    133430.90   22490.75   159208.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1219.68     109.50    1476.11


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275924.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  183.73  793.06  597.77  778.26 1259.38  761.86 1425.86  755.27
 1691.74  747.92 1847.66   746.7 2173.72   746.7 2484.98   745.8 3320.96  718.58
 3387.82  715.15 3472.78   713.3 3483.31   713.2 3671.04  718.21 3838.51   716.7
 3971.62  715.11 4114.54  711.31 4463.89  702.91 4889.66   695.1 5206.52  693.91
 5342.87   692.5 5491.23  688.22 5555.06  684.49  5893.2  682.26 6218.96  682.45
 6350.37   683.4 6555.66   676.8 6710.93   673.5 6777.35   670.2 6823.07   670.2
 6963.36   672.5 7166.29  682.54 7225.03   680.7 7345.79  678.26 7684.79  665.43
 7729.48  665.64  7873.7  661.98 8147.14  640.72 8160.28   639.2 8321.38  632.06
 8450.77  631.22 8687.98  636.28 8851.01  635.23  9021.8  627.52  9195.5  624.63
 9330.06  609.86 9346.13   609.7  9429.8   603.1  9586.8   593.2 9640.28   593.2
 9679.48  596.21 9797.76  625.39 9898.19   633.110260.03  630.2910407.61  622.45
 10459.7  615.3410658.28   613.810893.75  625.3711173.96   623.211766.55   619.9
13131.32   619.913355.94   613.213933.37   613.214377.61   616.514433.67   619.8
14708.03  617.4214714.54  610.6614814.08  609.26 15429.1  592.7315952.69   586.6
16002.77  582.1516179.12  578.0916224.62  573.7416296.22  567.8416711.07  567.84
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16789.46  572.8316864.61   586.616953.43  609.4216972.46  611.9817211.19  637.96
17651.88  643.4718087.79  646.2420202.42   643.520317.81   643.520547.65  643.98
20898.09  638.0221885.88   640.122143.63   643.4 23821.7   646.724204.62  648.27
24628.38  652.1825279.77  662.1425504.06   663.326620.08   663.327256.28   656.6
 27530.5   656.628105.31   653.328343.33  651.3828515.12  651.0728655.32  648.64
28804.15  649.5729098.56   654.729420.73  657.5230520.33  680.41 31185.5   682.1
32154.77  731.4732297.65  731.8332915.52   693.232950.27  693.2934546.09  750.94
35590.84  747.9735788.57  749.2536140.95  766.8336182.46  767.3336489.46  764.27
36821.56  774.9236979.89   776.8 37755.3     79038452.14  792.1938803.55     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515952.69     .1516864.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15952.6916864.61                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1499186.00   170490.00   1713481.00
  E.G. Slope (ft/ft)      0.000087    Area (sq ft)            1499186.00   170490.00   1713481.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3037963.00   515682.30   3176355.00
  Top Width (ft)          34693.50    Top Width (ft)          14643.99     911.92   19137.59
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)            2.03       3.02       1.85
  Max Chl Dpth (ft)         192.07    Hydr. Depth (ft)          102.38     186.96      89.53
  Conv. Total (cfs)       719554200.0    Conv. (cfs)            324811100.0   55135410.0   339607700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14657.11     914.02   19146.43
  Min Ch El (ft)            567.84    Shear (lb/sq ft)            0.56       1.02       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.13       3.08       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    133258.80   22471.20   159012.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1218.00     109.39    1473.91


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275921.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  183.77  793.06  597.92  778.25 1259.68  761.86  1426.2  755.26
 1692.14  747.91  1848.1  746.69 2174.24  746.69 2485.57  745.79 3321.75   718.6
 3388.62  715.16  3473.6  713.31 3484.14  713.21 3671.91  718.21 3839.43  716.69
 3972.57  715.09 4115.52   711.3 4464.95   702.9 4890.82  695.09 5207.75  693.89
 5344.14  692.48 5492.54  688.19 5556.38  684.46  5894.6  682.22 6220.43  682.43
 6351.88  683.38 6557.22  676.76 6712.52  673.45 6778.96  670.14 6824.69  670.14
 6965.02  672.45 7167.99  682.48 7226.75  680.66 7347.54  678.23 7686.62  665.43
 7731.31  665.66 7875.57  662.04 8149.07  640.81 8162.22  639.29 8323.36  632.13
 8452.78  631.29 8690.04  636.38 8853.11  635.33 9023.95   627.6 9197.69  624.71
 9332.28  609.95 9348.36  609.79 9432.05  603.17 9589.08  593.24 9642.57  593.24
 9681.78  596.26 9800.09  625.44 9900.54  633.1710262.47  630.3510410.08  622.51
10462.18  615.4210660.81  613.8710896.34  625.4211176.61  623.2411769.35  619.93
13134.44  619.9313359.12  613.2413936.69  613.2414381.02  616.5514437.11  619.86
14711.53  617.4714718.04  610.73 14817.6  609.3215432.77  592.7615956.48  586.62
 16006.7  582.1616183.54  578.1116229.16  573.7516300.95  567.8416716.05  567.84
16794.61  572.8316869.93  586.6216958.73  609.4216977.76  611.9817216.47  637.92
17657.11  643.4318092.97  646.1920207.37  643.4520322.75  643.4520552.57  643.94
20902.97  637.9821890.65  640.0722148.37  643.3823826.26  646.6924209.14  648.26
24632.86  652.1825284.17  662.1625508.44  663.3126624.33  663.3127260.47  656.62
27534.65  656.6228109.41  653.31 28347.4  651.3928519.17  651.0728659.36  648.63
28808.17  649.5529102.55  654.6929424.69  657.5130524.17  680.3831189.26  682.08
32158.43  731.3832301.29  731.7532919.09  693.1832953.84  693.2734549.49  750.86
35594.12  747.8935791.84  749.1936144.17  766.7636185.68  767.2636492.65  764.23
36824.71  774.8736983.02  776.7637758.34     79038455.11   792.238806.48     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515956.48     .1516869.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15956.4816869.93                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1499225.00   170766.00   1713824.00
  E.G. Slope (ft/ft)      0.000087    Area (sq ft)            1499225.00   170766.00   1713824.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3036882.00   516374.40   3176744.00
  Top Width (ft)          34697.81    Top Width (ft)          14647.54     913.45   19136.82
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)            2.03       3.02       1.85
  Max Chl Dpth (ft)         192.07    Hydr. Depth (ft)          102.35     186.95      89.56
  Conv. Total (cfs)       719726000.0    Conv. (cfs)            324773100.0   55222590.0   339730300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14660.64     915.55   19145.65
  Min Ch El (ft)            567.84    Shear (lb/sq ft)            0.56       1.02       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.13       3.08       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    133086.70   22451.61   158815.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1216.32     109.29    1471.72


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275918.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  183.82  793.05  598.06  778.24 1259.98  761.86 1426.53  755.25
 1692.54  747.91 1848.54  746.68 2174.75  746.68 2486.16  745.78 3322.54  718.62
 3389.43  715.18 3474.43  713.32 3484.97  713.22 3672.79   718.2 3840.34  716.68
 3973.51  715.08  4116.5  711.28 4466.01  702.88 4891.98  695.07 5208.99  693.88
 5345.41  692.46 5493.84  688.16  5557.7  684.42    5896  682.19 6221.91  682.41
 6353.39  683.36 6558.78  676.72 6714.12   673.4 6780.57  670.08 6826.31  670.08
 6966.68   672.4 7169.69  682.43 7228.47  680.61 7349.29   678.2 7688.44  665.44
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 7733.15  665.68 7877.44   662.1 8151.01   640.9 8164.16  639.38 8325.34   632.2
 8454.79  631.37 8692.11  636.47 8855.22  635.42 9026.09  627.68 9199.88  624.78
  9334.5  610.04 9350.58  609.88 9434.29  603.24 9591.35  593.28 9644.86  593.28
 9684.08  596.31 9802.42  625.48  9902.9  633.2410264.91  630.4210412.56  622.58
10464.67   615.510663.34  613.9510898.93  625.4711179.27  623.2811772.15  619.96
13137.56  619.9613362.29  613.28   13940  613.2814384.44   616.614440.54  619.92
14715.02  617.5314721.54  610.7914821.12  609.3815436.44  592.7815960.28  586.64
16010.63  582.1716187.95  578.12 16233.7  573.7616305.69  567.8316721.03  567.83
16799.76  572.8216875.24  586.6416964.04  609.4116983.07  611.9717221.75  637.89
17662.34   643.418098.15  646.1520212.33   643.4 20327.7   643.420557.48  643.89
20907.85  637.9521895.42  640.0422153.12  643.3623830.82  646.6824213.66  648.26
24637.33  652.1825288.57  662.1725512.82  663.3226628.59  663.3227264.66  656.64
27538.81  656.64 28113.5  653.3228351.47  651.3928523.23  651.0728663.39  648.61
28812.19  649.5429106.54  654.6829428.64   657.5   30528  680.3631193.02  682.06
32162.09  731.2932304.94  731.6632922.66  693.1632957.41  693.2534552.89  750.77
35597.41  747.82 35795.1  749.12 36147.4  766.69 36188.9  767.1936495.84  764.18
36827.86  774.8336986.15  776.7237761.39     79038458.09  792.2138809.42     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515960.28     .1516875.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15960.2816875.24                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1499271.00   171045.30   1714153.00
  E.G. Slope (ft/ft)      0.000087    Area (sq ft)            1499271.00   171045.30   1714153.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3035826.00   517090.40   3177083.00
  Top Width (ft)          34702.20    Top Width (ft)          14651.09     914.96   19136.15
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)            2.02       3.02       1.85
  Max Chl Dpth (ft)         192.08    Hydr. Depth (ft)          102.33     186.94      89.58
  Conv. Total (cfs)       719896500.0    Conv. (cfs)            324737100.0   55312270.0   339847100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14664.19     917.07   19144.96
  Min Ch El (ft)            567.83    Shear (lb/sq ft)            0.56       1.02       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.13       3.08       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    132914.60   22432.00   158618.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1214.64     109.19    1469.52


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275915.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  183.86  793.05   598.2  778.23 1260.28  761.85 1426.87  755.24
 1692.94   747.9 1848.98  746.67 2175.27  746.67 2486.75  745.77 3323.33  718.64
 3390.23  715.19 3475.25  713.33 3485.79  713.23 3673.66  718.19 3841.25  716.67
 3974.46  715.06 4117.48  711.26 4467.07  702.86 4893.14  695.06 5210.23  693.86
 5346.68  692.44 5495.15  688.13 5559.02  684.38  5897.4  682.16 6223.39  682.38
  6354.9  683.34 6560.34  676.68 6715.72  673.35 6782.18  670.02 6827.93  670.02
 6968.33  672.34  7171.4  682.38 7230.19  680.57 7351.03  678.18 7690.27  665.45
 7734.99  665.69 7879.31  662.16 8152.95  640.99  8166.1  639.47 8327.32  632.27
  8456.8  631.44 8694.18  636.57 8857.32  635.52 9028.24  627.76 9202.06  624.86
 9336.72  610.14  9352.8  609.97 9436.53  603.31 9593.63  593.32 9647.15  593.32
 9686.38  596.36 9804.75  625.53 9905.25  633.3110267.35  630.4810415.03  622.65
10467.16  615.5710665.88  614.0210901.52  625.5111181.93  623.3211774.95  619.99
13140.68  619.9913365.47  613.3213943.31  613.3214387.86  616.6514443.97  619.98
14718.52  617.5814725.04  610.8514824.64  609.4415440.11  592.8115964.07  586.66
16014.56  582.1816192.36  578.1416238.24  573.7716310.42  567.8316726.01  567.83
16804.91  572.8216880.56  586.6616969.35  609.4116988.37  611.9717227.03  637.85
17667.57  643.3618103.34  646.1120217.28  643.3520332.64  643.35 20562.4  643.84
20912.73  637.91 21900.2  640.0122157.86  643.3423835.38  646.6724218.18  648.25
 24641.8  652.1825292.98  662.18 25517.2  663.3326632.85  663.3327268.85  656.66
27542.97  656.66 28117.6  653.3328355.55   651.428527.28  651.0628667.43   648.6
28816.21  649.5229110.53  654.6829432.59   657.530531.84  680.3331196.79  682.03
32165.74  731.2132308.58  731.5732926.24  693.1432960.98  693.2334556.29  750.68
 35600.7  747.7535798.36  749.0636150.62  766.6236192.12  767.1236499.02  764.13
36831.02  774.7836989.29  776.6837764.44     79038461.06  792.2138812.36     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515964.07     .1516880.56     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15964.0716880.56                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1499319.00   171321.30   1714495.00
  E.G. Slope (ft/ft)      0.000087    Area (sq ft)            1499319.00   171321.30   1714495.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3034751.00   517781.70   3177468.00
  Top Width (ft)          34706.68    Top Width (ft)          14654.81     916.49   19135.38
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)            2.02       3.02       1.85
  Max Chl Dpth (ft)         192.08    Hydr. Depth (ft)          102.31     186.93      89.60
  Conv. Total (cfs)       720068600.0    Conv. (cfs)            324699600.0   55399450.0   339969500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14667.90     918.60   19144.17
  Min Ch El (ft)            567.83    Shear (lb/sq ft)            0.56       1.02       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.13       3.07       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    132742.50   22412.35   158421.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1212.96     109.08    1467.32


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275912.*

INPUT
Description:
Station Elevation Data    num=     120
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  183.91  793.04  598.34  778.21 1260.58  761.85 1427.21  755.23
 1693.35  747.89 1849.42  746.66 2175.79  746.66 2487.34  745.75 3324.12  718.65
 3391.04  715.21 3476.08  713.34 3486.62  713.24 3674.53  718.19 3842.16  716.66
  3975.4  715.05 4118.45  711.25 4468.13  702.84 4894.31  695.04 5211.47  693.84
 5347.95  692.42 5496.45  688.11 5560.35  684.35  5898.8  682.12 6224.87  682.36
 6356.41  683.32  6561.9  676.64 6717.31   673.3 6783.79  669.96 6829.55  669.96
 6969.99  672.29  7173.1  682.32  7231.9  680.52 7352.78  678.15  7692.1  665.45
 7736.83  665.71 7881.19  662.21 8154.89  641.08 8168.04  639.56 8329.29  632.34
 8458.81  631.51 8696.24  636.67 8859.43  635.62 9030.38  627.84 9204.25  624.93
 9338.93  610.23 9355.02  610.06 9438.77  603.38 9595.91  593.36 9649.44  593.36
 9688.68  596.41 9807.08  625.58  9907.6  633.3810269.79  630.5410417.51  622.72
10469.64  615.6510668.41  614.0910904.11  625.5611184.58  623.3611777.75  620.02
13143.81  620.0213368.64  613.3613946.62  613.3614391.28   616.7 14447.4  620.04
14722.02  617.6314728.54  610.9114828.16   609.515443.77  592.8415967.86  586.68
16018.49  582.1916196.78  578.1616242.77  573.7816315.16  567.8316730.99  567.83
16810.06  572.8116885.88  586.6816974.66  609.4116993.68  611.9717232.31  637.81
17672.81  643.3318108.52  646.0720222.24   643.320337.58   643.320567.32  643.79
20917.61  637.8821904.97  639.9822162.61  643.3223839.95  646.66 24222.7  648.25
24646.28  652.1725521.58  662.1925521.58  663.3426637.11  663.3427273.04  656.68
27547.13  656.68 28121.7  653.3428359.62   651.428531.33  651.0628671.47  648.59
28820.23  649.5129114.52  654.6729436.55  657.4930535.67   680.331200.55  682.01
 32169.4  731.1232312.22  731.4932929.81  693.1232964.55  693.2134559.68  750.59
35603.98  747.6835801.62     74936153.85  766.5536195.34  767.0536502.21  764.08
36834.16  774.7436992.42  776.6437767.49     79038464.03  792.2238815.29     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515967.86     .1516885.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15967.8616885.88                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1499376.00   171598.10   1714831.00
  E.G. Slope (ft/ft)      0.000087    Area (sq ft)            1499376.00   171598.10   1714831.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3033715.00   518473.10   3177813.00
  Top Width (ft)          34711.00    Top Width (ft)          14658.35     918.02   19134.63
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)            2.02       3.02       1.85
  Max Chl Dpth (ft)         192.08    Hydr. Depth (ft)          102.29     186.92      89.62
  Conv. Total (cfs)       720244600.0    Conv. (cfs)            324668100.0   55486990.0   340089500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14671.43     920.13   19143.40
  Min Ch El (ft)            567.83    Shear (lb/sq ft)            0.56       1.02       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.13       3.07       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    132570.50   22392.67   158225.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1211.28     108.97    1465.13


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275909.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  183.95  793.04  598.48   778.2 1260.87  761.85 1427.55  755.23
 1693.75  747.89 1849.86  746.65  2176.3  746.65 2487.93  745.74 3324.91  718.67
 3391.84  715.22 3476.91  713.35 3487.45  713.25  3675.4  718.18 3843.08  716.65
 3976.35  715.03 4119.43  711.23  4469.2  702.82 4895.47  695.03 5212.71  693.82
 5349.22   692.4 5497.76  688.08 5561.67  684.31  5900.2  682.09 6226.35  682.34
 6357.92   683.3 6563.46   676.6 6718.91  673.25 6785.41   669.9 6831.18   669.9
 6971.64  672.24 7174.81  682.27 7233.62  680.48 7354.53  678.12 7693.93  665.46
 7738.66  665.73 7883.06  662.27 8156.82  641.16 8169.98  639.64 8331.27  632.42
 8460.81  631.58 8698.31  636.76 8861.53  635.71 9032.53  627.92 9206.44  625.01
 9341.15  610.32 9357.25  610.15 9441.01  603.45 9598.19   593.4 9651.74   593.4
 9690.98  596.46 9809.41  625.62 9909.96  633.4510272.23   630.610419.98  622.79
10472.13  615.7310670.95  614.16 10906.7  625.6111187.24   623.411780.54  620.05
13146.93  620.0513371.82   613.413949.94   613.4 14394.7  616.7514450.83   620.1
14725.52  617.6814732.04  610.9814831.69  609.5715447.44  592.8615971.66   586.7
16022.42  582.2116201.19  578.1816247.31  573.7916319.89  567.8316735.96  567.83
16815.21  572.81 16891.2   586.716979.96  609.4116998.98  611.9617237.59  637.78
17678.04  643.2918113.71  646.0320227.19  643.2520342.52  643.2520572.23  643.74
20922.49  637.8421909.74  639.9522167.35   643.323844.51  646.6524227.22  648.24
24650.75  652.1725301.79   662.225525.96  663.3526641.37  663.3527277.23   656.7
27551.29   656.728125.79  653.3528363.69   651.428535.38  651.0628675.51  648.58
28824.25  649.4929118.51  654.66 29440.5  657.4830539.51  680.2731204.31  681.98
32173.06  731.0332315.86   731.432933.39   693.132968.12  693.1934563.08   750.5
35607.26  747.6135804.89  748.9336157.07  766.4836198.56  766.9836505.39  764.04
36837.31  774.6936995.55   776.637770.54     79038467.01  792.2338818.23     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515971.66     .15 16891.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15971.66 16891.2                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1499422.00   171870.80   1715190.00
  E.G. Slope (ft/ft)      0.000087    Area (sq ft)            1499422.00   171870.80   1715190.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3032641.00   519147.20   3178212.00
  Top Width (ft)          34715.32    Top Width (ft)          14661.83     919.54   19133.94
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)            2.02       3.02       1.85
  Max Chl Dpth (ft)         192.08    Hydr. Depth (ft)          102.27     186.91      89.64
  Conv. Total (cfs)       720423000.0    Conv. (cfs)            324633600.0   55572900.0   340216500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14674.90     921.65   19142.70
  Min Ch El (ft)            567.83    Shear (lb/sq ft)            0.56       1.02       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.13       3.07       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    132398.30   22372.95   158028.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1209.59     108.87    1462.93


CROSS SECTION
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RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275906.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  183.99  793.03  598.63  778.19 1261.17  761.84 1427.89  755.22
 1694.15  747.88  1850.3  746.64 2176.82  746.64 2488.52  745.73  3325.7  718.69
 3392.65  715.24 3477.73  713.36 3488.28  713.26 3676.28  718.18 3843.99  716.64
 3977.29  715.02 4120.41  711.21 4470.26   702.8 4896.63  695.01 5213.94   693.8
 5350.49  692.39 5499.06  688.05 5562.99  684.27  5901.6  682.06 6227.83  682.31
 6359.43  683.28 6565.02  676.56  6720.5   673.2 6787.02  669.84  6832.8  669.84
  6973.3  672.19 7176.51  682.22 7235.34  680.43 7356.27  678.09 7695.75  665.47
  7740.5  665.74 7884.93  662.33 8158.76  641.25 8171.92  639.73 8333.25  632.49
 8462.82  631.66 8700.37  636.86 8863.64  635.81 9034.67  627.99 9208.62  625.08
 9343.37  610.41 9359.47  610.24 9443.26  603.52 9600.47  593.44 9654.03  593.44
 9693.29   596.5 9811.74  625.67 9912.31  633.5210274.67  630.6610422.46  622.86
10474.62   615.810673.48  614.2310909.29  625.65 11189.9  623.4411783.34  620.08
13150.05  620.08   13375  613.4413953.25  613.4414398.12   616.814454.26  620.16
14729.01  617.7414735.53  611.0414835.21  609.6315451.11  592.8915975.45  586.72
16026.35  582.22 16205.6   578.216251.85   573.816324.62  567.8316740.94  567.83
16820.37   572.816896.51  586.7216985.27  609.4117004.29  611.9617242.87  637.74
17683.27  643.2618118.89  645.9920232.14   643.220347.46   643.220577.15  643.69
20927.37   637.821914.51  639.9222172.09  643.2823849.07  646.6424231.74  648.23
24655.23  652.1725306.19  662.2125530.34  663.3626645.62  663.3627281.41  656.72
27555.45  656.7228129.89  653.3628367.76  651.4128539.43  651.0628679.54  648.56
28828.27  649.48 29122.5  654.6529444.45  657.4730543.34  680.2431208.07  681.96
32176.71  730.95 32319.5  731.3232936.96  693.0832971.69  693.1734566.48  750.42
35610.55  747.5435808.15  748.8736160.29  766.4136201.78  766.9236508.58  763.99
36840.46  774.6536998.68  776.5637773.59     79038469.98  792.2338821.16     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515975.45     .1516896.51     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15975.4516896.51                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1499471.00   172145.80   1715512.00
  E.G. Slope (ft/ft)      0.000087    Area (sq ft)            1499471.00   172145.80   1715512.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3031597.00   519840.40   3178563.00
  Top Width (ft)          34719.80    Top Width (ft)          14665.55     921.06   19133.19
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)            2.02       3.02       1.85
  Max Chl Dpth (ft)         192.08    Hydr. Depth (ft)          102.24     186.90      89.66
  Conv. Total (cfs)       720588600.0    Conv. (cfs)            324596500.0   55659890.0   340332200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14678.62     923.17   19141.93
  Min Ch El (ft)            567.83    Shear (lb/sq ft)            0.56       1.02       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.12       3.07       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    132226.20   22353.21   157831.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1207.91     108.76    1460.74


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275903.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  184.04  793.03  598.77  778.18 1261.47  761.84 1428.23  755.21
 1694.55  747.88 1850.74  746.63 2177.34  746.63 2489.11  745.72 3326.49   718.7
 3393.46  715.26 3478.56  713.37 3489.11  713.27 3677.15  718.17  3844.9  716.63
 3978.23     715 4121.39   711.2 4471.32  702.78 4897.79     695 5215.18  693.78
 5351.76  692.37 5500.37  688.03 5564.31  684.24    5903  682.02 6229.31  682.29
 6360.94  683.26 6566.57  676.52  6722.1  673.15 6788.63  669.78 6834.42  669.78
 6974.95  672.13 7178.21  682.16 7237.06  680.38 7358.02  678.07 7697.58  665.47
 7742.34  665.76  7886.8  662.38  8160.7  641.34 8173.86  639.82 8335.23  632.56
 8464.83  631.73 8702.44  636.95 8865.74  635.91 9036.82  628.07 9210.81  625.16
 9345.59   610.5 9361.69  610.33  9445.5  603.59 9602.75  593.48 9656.32  593.48
 9695.59  596.55 9814.06  625.72 9914.66  633.5910277.11  630.7210424.93  622.92
 10477.1  615.8810676.02  614.3110911.88   625.711192.55  623.4811786.14  620.11
13153.17  620.1113378.17  613.4813956.56  613.4814401.54  616.85 14457.7  620.22
14732.51  617.7914739.03   611.114838.73  609.6915454.78  592.9115979.24  586.74
16030.29  582.2316210.02  578.2116256.39  573.8116329.36  567.8316745.92  567.83
16825.52   572.816901.83  586.7416990.58  609.4117009.59  611.9617248.15   637.7
 17688.5  643.2218124.07  645.94 20237.1  643.1520352.41  643.1520582.07  643.64
20932.25  637.7721919.28  639.8922176.84  643.2623853.63  646.6324236.26  648.23
 24659.7  652.1625310.59  662.2325534.71  663.3726649.88  663.37 27285.6  656.74
27559.61  656.7428133.99  653.3728371.83  651.4128543.49  651.0628683.58  648.55
28832.29  649.4729126.49  654.6529448.41  657.4730547.17  680.2131211.83  681.94
32180.37  730.8632323.14  731.2332940.54  693.0632975.27  693.1534569.88  750.33
35613.83  747.4735811.41  748.8136163.52  766.34   36205  766.8536511.77  763.94
36843.61   774.637001.82  776.5237776.64     79038472.95  792.2438824.09     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515979.24     .1516901.83     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15979.2416901.83                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1499523.00   172422.70   1715854.00
  E.G. Slope (ft/ft)      0.000087    Area (sq ft)            1499523.00   172422.70   1715854.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3030545.00   520531.80   3178924.00
  Top Width (ft)          34724.12    Top Width (ft)          14669.09     922.59   19132.43
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)            2.02       3.02       1.85
  Max Chl Dpth (ft)         192.07    Hydr. Depth (ft)          102.22     186.89      89.68
  Conv. Total (cfs)       720765300.0    Conv. (cfs)            324563400.0   55747580.0   340454400.0
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```
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14682.15     924.70   19141.15
  Min Ch El (ft)            567.83    Shear (lb/sq ft)            0.56       1.01       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.12       3.06       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    132054.10   22333.43   157634.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1206.23     108.66    1458.54


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275900.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  184.08  793.03  598.91  778.16 1261.77  761.84 1428.57   755.2
 1694.96  747.87 1851.18  746.62 2177.85  746.62  2489.7   745.7 3327.28  718.72
 3394.26  715.27 3479.38  713.38 3489.94  713.28 3678.02  718.17 3845.81  716.62
 3979.18  714.99 4122.37  711.18 4472.38  702.76 4898.96  694.98 5216.42  693.76
 5353.03  692.35 5501.68     688 5565.63   684.2 5904.41  681.99 6230.78  682.27
 6362.45  683.24 6568.13  676.48 6723.69   673.1 6790.24  669.72 6836.04  669.72
 6976.61  672.08 7179.92  682.11 7238.77  680.34 7359.77  678.04 7699.41  665.48
 7744.18  665.78 7888.67  662.44 8162.63  641.43  8175.8  639.91 8337.21  632.63
 8466.84   631.8  8704.5  637.05 8867.84     636 9038.96  628.15 9212.99  625.23
 9347.81  610.59 9363.91  610.42 9447.74  603.66 9605.03  593.52 9658.61  593.52
 9697.89   596.6 9816.39  625.76 9917.02  633.6610279.54  630.78 10427.4  622.99
10479.59  615.9610678.55  614.3810914.47  625.7511195.21  623.5211788.94  620.14
13156.29  620.1413381.35  613.5213959.88  613.5214404.95   616.914461.13  620.28
14736.01  617.8414742.53  611.1614842.25  609.7515458.45  592.9415983.03  586.76
16034.21  582.2416214.43  578.2316260.92  573.8216334.09  567.83 16750.9  567.83
16830.67   572.816907.15  586.7616995.89   609.4 17014.9  611.9517253.43  637.67
17693.73  643.1918129.26   645.920242.05   643.120357.35   643.120586.99   643.6
20937.12  637.7321924.05  639.8622181.58  643.2423858.19  646.6224240.78  648.22
24664.18  652.1625314.99  662.24 25539.1  663.3826654.14  663.3827289.79  656.76
27563.77  656.7628138.08  653.38 28375.9  651.4228547.54  651.0628687.62  648.54
28836.31  649.4529130.47  654.6429452.36  657.4630551.01  680.18 31215.6  681.91
32184.03  730.7832326.78  731.1532944.11  693.0432978.84  693.1334573.27  750.24
35617.11  747.3935814.67  748.7536166.74  766.2736208.22  766.7836514.95  763.89
36846.77  774.5537004.95  776.4837779.69     79038475.93  792.2538827.03     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515983.03     .1516907.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15983.0316907.15                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1499575.00   172698.70   1716198.00
  E.G. Slope (ft/ft)      0.000087    Area (sq ft)            1499575.00   172698.70   1716198.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3029489.00   521217.80   3179294.00
  Top Width (ft)          34728.43    Top Width (ft)          14672.64     924.12   19131.67
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)            2.02       3.02       1.85
  Max Chl Dpth (ft)         192.07    Hydr. Depth (ft)          102.20     186.88      89.70
  Conv. Total (cfs)       720942300.0    Conv. (cfs)            324529900.0   55834760.0   340577600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14685.68     926.24   19140.38
  Min Ch El (ft)            567.83    Shear (lb/sq ft)            0.56       1.01       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.12       3.06       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    131882.00   22313.63   157437.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1204.54     108.55    1456.34


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275897.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  184.12  793.02  599.05  778.15 1262.07  761.84 1428.91  755.19
 1695.36  747.86 1851.62  746.61 2178.37  746.61  2490.3  745.69 3328.07  718.74
 3395.07  715.29 3480.21  713.39 3490.76  713.29  3678.9  718.16 3846.73  716.61
 3980.12  714.98 4123.35  711.16 4473.44  702.74 4900.12  694.97 5217.66  693.75
  5354.3  692.33 5502.98  687.97 5566.95  684.16 5905.81  681.96 6232.26  682.25
 6363.96  683.22 6569.69  676.44 6725.29  673.05 6791.85  669.66 6837.67  669.66
 6978.26  672.03 7181.62  682.06 7240.49  680.29 7361.51  678.01 7701.24  665.49
 7746.02   665.8 7890.55   662.5 8164.57  641.52 8177.74     640 8339.19   632.7
 8468.85  631.88 8706.57  637.14 8869.95   636.1 9041.11  628.23 9215.18   625.3
 9350.03  610.68 9366.13  610.51 9449.98  603.73 9607.31  593.56 9660.91  593.56
 9700.19  596.65 9818.72  625.81 9919.37  633.7310281.98  630.8510429.88  623.06
10482.08  616.0310681.08  614.4510917.06  625.7911197.87  623.5611791.73  620.17
13159.42  620.1713384.52  613.5613963.19  613.5614408.37  616.9514464.56  620.34
 14739.5   617.914746.03  611.2314845.78  609.8115462.12  592.9715986.83  586.78
16038.15  582.2516218.84  578.2516265.46  573.8316338.83  567.8316755.88  567.83
16835.82  572.7916912.46  586.7817001.19   609.4 17020.2  611.9517258.71  637.63
17698.96  643.1518134.44  645.8620247.01  643.0520362.29  643.05 20591.9  643.55
   20942  637.6921928.83  639.8322186.32  643.2223862.76  646.61 24245.3  648.22
24668.65  652.16 25319.4  662.2525543.47  663.39 26658.4  663.3927293.98  656.78
27567.93  656.7828142.18  653.3928379.97  651.4228551.59  651.0528691.65  648.52
28840.33  649.4429134.46  654.6329456.31  657.4530554.84  680.1531219.36  681.89
32187.69  730.6932330.42  731.0632947.68  693.0232982.41  693.1134576.67  750.15
 35620.4  747.3235817.94  748.6836169.96   766.236211.44  766.7136518.14  763.85
36849.91  774.5137008.09  776.4437782.73     790 38478.9  792.2538829.96     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515986.83     .1516912.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15986.8316912.46                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
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  W.S. Elev (ft)            759.90    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1499615.00   172971.80   1716550.00
  E.G. Slope (ft/ft)      0.000087    Area (sq ft)            1499615.00   172971.80   1716550.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3028409.00   521898.40   3179693.00
  Top Width (ft)          34732.81    Top Width (ft)          14676.19     925.63   19131.00
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)           2.02       3.02       1.85
  Max Chl Dpth (ft)         192.07    Hydr. Depth (ft)          102.18     186.87      89.73
  Conv. Total (cfs)       721115300.0    Conv. (cfs)            324492100.0   55921090.0   340702100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14689.22     927.75   19139.69
  Min Ch El (ft)            567.83    Shear (lb/sq ft)           0.56       1.01       0.49
  Alpha                       1.06    Stream Power (lb/ft s)     1.12       3.06       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    131709.90   22293.79   157240.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1202.86     108.45    1454.15


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275894.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  184.17  793.02  599.19  778.14 1262.37  761.83 1429.25  755.19
 1695.76  747.86 1852.06   746.6 2178.89   746.6 2490.89  745.68 3328.86  718.75
 3395.87   715.3 3481.03   713.4 3491.59   713.3 3679.77  718.16 3847.64   716.6
 3981.07  714.96 4124.32  711.15  4474.5  702.72 4901.28  694.95  5218.9  693.73
 5355.57  692.31 5504.29  687.94 5568.27  684.13 5907.21  681.92 6233.74  682.22
 6365.47   683.2 6571.25   676.4 6726.89     673 6793.46   669.6 6839.29   669.6
 6979.92  671.97 7183.32  682.01 7242.21  680.25 7363.26  677.99 7703.06  665.49
 7747.85  665.81 7892.42  662.55 8166.51  641.61 8179.68  640.09 8341.17  632.77
 8470.86  631.95 8708.64  637.24 8872.05   636.2 9043.25  628.31 9217.37  625.38
 9352.25  610.77 9368.36   610.6 9452.23   603.8 9609.59   593.6  9663.2   593.6
 9702.49   596.7 9821.05  625.86 9921.72   633.810284.42  630.9110432.35  623.13
10484.56  616.1110683.62  614.5210919.65  625.8411200.52   623.611794.53   620.2
13162.54   620.2 13387.7   613.6 13966.5   613.614411.79     61714467.99   620.4
   14743  617.9514749.53  611.29 14849.3  609.8715465.79  592.9915990.62   586.8
16042.08  582.2616223.26  578.27   16270  573.8416343.56  567.8316760.86  567.83
16840.97  572.7916917.78   586.8 17006.5   609.417025.51  611.9517263.99  637.59
 17704.2  643.1218139.63  645.8220251.96     64320367.23     64320596.82   643.5
20946.88  637.66 21933.6   639.822191.07   643.223867.32   646.624249.82  648.21
24673.12  652.15 25323.8  662.2625547.85   663.426662.65   663.427298.17   656.8
27572.09   656.828146.28   653.428384.04  651.4328555.64  651.0528695.69  648.51
28844.35  649.4229138.45  654.6329460.27  657.4430558.68  680.1231223.12  681.86
32191.34   730.632334.07  730.9832951.26  692.9932985.98  693.0934580.07  750.06
35623.68  747.25 35821.2  748.6236173.19  766.1336214.66  766.6436521.32   763.8
36853.07  774.4637011.22   776.437785.79     79038481.87  792.26 38832.9     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515990.62     .1516917.78     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15990.6216917.78                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1499669.00   173247.20   1716897.00
  E.G. Slope (ft/ft)      0.000087    Area (sq ft)            1499669.00   173247.20   1716897.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3027350.00   522581.50   3180069.00
  Top Width (ft)          34737.23    Top Width (ft)          14679.83     927.16   19130.24
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)           2.02       3.02       1.85
  Max Chl Dpth (ft)         192.07    Hydr. Depth (ft)          102.16     186.86      89.75
  Conv. Total (cfs)       721292400.0    Conv. (cfs)            324458300.0   56008040.0   340826100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14692.86     929.28   19138.92
  Min Ch El (ft)            567.83    Shear (lb/sq ft)           0.55       1.01       0.49
  Alpha                       1.06    Stream Power (lb/ft s)     1.12       3.06       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    131537.70   22273.92   157043.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1201.17     108.34    1451.95


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275892.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  184.21  793.01  599.34  778.13 1262.67  761.83 1429.59  755.18
 1696.16  747.85 1852.49  746.59 2179.41  746.59 2491.48  745.66 3329.65  718.77
 3396.68  715.32 3481.86  713.41 3492.42  713.31 3680.64  718.15 3848.55  716.59
 3982.01  714.95  4125.3  711.13 4475.56   702.7 4902.44  694.94 5220.13  693.71
 5356.84  692.29 5505.59  687.92 5569.59  684.09 5908.61  681.89 6235.22   682.2
 6366.98  683.18 6572.81  676.36 6728.48  672.95 6795.07  669.54 6840.91  669.54
 6981.58  671.92 7185.03  681.95 7243.93   680.2 7365.01  677.96 7704.89   665.5
 7749.69  665.83 7894.29  662.61 8168.45   641.7 8181.62  640.18 8343.14  632.84
 8472.87  632.02  8710.7  637.33 8874.16  636.29  9045.4  628.39 9219.55  625.45
 9354.46  610.86 9370.58  610.69 9454.47  603.87 9611.87  593.64 9665.49  593.64
 9704.79  596.75 9823.38   625.9 9924.08  633.8710286.86  630.9710434.83   623.2
10487.05  616.1910686.15   614.610922.24  625.8911203.18  623.6411797.33  620.23
13165.66  620.2313390.87  613.6413969.81  613.6414415.21  617.0514471.42  620.46
 14746.5     61814753.03  611.3514852.82  609.9315469.45  593.0215994.41  586.82
16046.01  582.2816227.67  578.2816274.54  573.8416348.29  567.8216765.84  567.82
16846.12  572.78 16923.1  586.8217011.81   609.417030.81  611.9517269.27  637.56
17709.43  643.0818144.81  645.7820256.92  642.9520372.17  642.9520601.74  643.45
20951.76  637.6221938.37  639.7722195.81  643.1823871.88  646.5924254.34  648.21
 24677.6  652.1525328.21  662.2725552.23  663.4126666.91  663.4127302.36  656.82
27576.24  656.8228150.37  653.4128388.11  651.43 28559.7  651.0528699.73   648.5
28848.38  649.4129142.44  654.6229464.22  657.4430562.51  680.0931226.88  681.84
   32195  730.5232337.71  730.8932954.83  692.9732989.55  693.0734583.46  749.98
35626.96  747.1835824.46  748.5636176.41  766.0636217.88  766.5736524.51  763.75
36856.21  774.4237014.35  776.3637788.83     79038484.84  792.2738835.84     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515994.41     .15 16923.1     .15
```

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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15994.41 16923.1                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1499719.00   173529.30   1717212.00
  E.G. Slope (ft/ft)      0.000087    Area (sq ft)            1499719.00   173529.30   1717212.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3026320.00   523301.90   3180378.00
  Top Width (ft)          34741.55    Top Width (ft)          14683.37     928.69   19129.49
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            2.02       3.02       1.85
  Max Chl Dpth (ft)         192.08    Hydr. Depth (ft)          102.14     186.85      89.77
  Conv. Total (cfs)       721462100.0    Conv. (cfs)            324424200.0   56098440.0   340939400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14696.39     930.81   19138.15
  Min Ch El (ft)            567.82    Shear (lb/sq ft)            0.55       1.01       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.12       3.05       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    131365.60   22254.02   156846.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1199.49     108.23    1449.76


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275889.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  184.26  793.01  599.48  778.11 1262.97  761.83 1429.93  755.17
 1696.57  747.84 1852.93  746.58 2179.92  746.58 2492.07  745.65 3330.44  718.79
 3397.48  715.33 3482.69  713.42 3493.25  713.32 3681.51  718.15 3849.47  716.58
 3982.96  714.93 4126.28  711.11 4476.63  702.68 4903.61  694.92 5221.37  693.69
 5358.11  692.27  5506.9  687.89 5570.91  684.05 5910.01  681.86  6236.7  682.18
 6368.49  683.16 6574.37  676.32 6730.08   672.9 6796.69  669.48 6842.53  669.48
 6983.23  671.87 7186.73   681.9 7245.65  680.15 7366.75  677.93 7706.72  665.51
 7751.53  665.85 7896.16  662.67 8170.38  641.78 8183.56  640.26 8345.12  632.92
 8474.88  632.09 8712.77  637.43 8876.26  636.39 9047.54  628.46 9221.74  625.53
 9356.68  610.95  9372.8  610.78 9456.71  603.94 9614.15  593.68 9667.78  593.68
 9707.09   596.8 9825.71  625.95 9926.43  633.94 10289.3  631.03 10437.3  623.26
10489.54  616.2610688.69  614.6710924.83  625.9311205.84  623.6811800.13  620.26
13168.78  620.2613394.05  613.6813973.13  613.6814418.63   617.114474.86  620.52
   14750  618.0514756.53  611.4114856.34  609.9915473.12  593.0415998.21  586.84
16049.94  582.2916232.08   578.316279.08  573.8516353.03  567.8216770.82  567.82
16851.28  572.7816928.41  586.8417017.12   609.417036.12  611.9417274.54  637.52
17714.66  643.0518149.99  645.7420261.87   642.920377.12   642.920606.65   643.4
20956.64  637.5921943.14  639.7422200.56  643.1623876.44  646.5824258.86   648.2
24682.07  652.1525332.61  662.2825556.61  663.4226671.17  663.4227306.55  656.84
 27580.4  656.8428154.47  653.4228392.18  651.4328563.75  651.0528703.76  648.49
28852.39  649.3929146.43  654.6129468.18  657.4330566.35  680.0631230.64  681.82
32198.65  730.4332341.35  730.8132958.41  692.9532993.12  693.0434586.86  749.89
35630.25  747.1135827.72  748.4936179.64  765.99 36221.1   766.5 36527.7   763.7
36859.37  774.3737017.48  776.3237791.88     79038487.82  792.2738838.77     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1515998.21     .1516928.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      15998.2116928.41                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1499777.00   173801.60   1717561.00
  E.G. Slope (ft/ft)      0.000087    Area (sq ft)            1499777.00   173801.60   1717561.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3025281.00   523974.70   3180745.00
  Top Width (ft)          34745.94    Top Width (ft)          14686.92     930.20   19128.82
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            2.02       3.01       1.85
  Max Chl Dpth (ft)         192.08    Hydr. Depth (ft)          102.12     186.84      89.79
  Conv. Total (cfs)       721640300.0    Conv. (cfs)            324392900.0   56184430.0   341062900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14699.93     932.32   19137.46
  Min Ch El (ft)            567.82    Shear (lb/sq ft)            0.55       1.01       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.12       3.05       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    131193.40   22234.08   156649.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1197.80     108.13    1447.56


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275886.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   184.3    793  599.62   778.1 1263.27  761.83 1430.26  755.16
 1696.97  747.84 1853.37  746.57 2180.44  746.57 2492.66  745.64 3331.23  718.81
 3398.29  715.35 3483.51  713.43 3494.08  713.33 3682.39  718.14 3850.38  716.57
  3983.9  714.92 4127.26  711.09 4477.69  702.66 4904.77  694.91 5222.61  693.67
 5359.38  692.26  5508.2  687.86 5572.23  684.02 5911.41  681.82 6238.18  682.15
    6370  683.14 6575.93  676.28 6731.67  672.85  6798.3  669.42 6844.16  669.42
 6984.89  671.81 7188.44  681.85 7247.36  680.11  7368.5   677.9 7708.54  665.52
 7753.37  665.86 7898.03  662.72 8172.32  641.87  8185.5  640.35  8347.1  632.99
 8476.89  632.17 8714.83  637.52 8878.37  636.49 9049.69  628.54 9223.93   625.6
  9358.9  611.04 9375.02  610.87 9458.95  604.01 9616.43  593.72 9670.07  593.72
  9709.4  596.85 9828.04     626 9928.78  634.0110291.74  631.0910439.78  623.33
10492.03  616.3410691.22  614.7410927.42  625.9811208.49  623.7211802.92  620.29
13171.91  620.2913397.22  613.7213976.44  613.7214422.05  617.1514478.29  620.58
14753.49  618.1114760.02  611.4814859.86  610.0515476.79  593.07   16002  586.86
16053.87   582.3 16236.5  578.3216283.61  573.8616357.76  567.82 16775.8  567.82
16856.43  572.7816933.73  586.8617022.42  609.3917041.42  611.9417279.82  637.49
17719.89  643.0118155.18  645.6920266.83  642.8520382.06  642.8520611.57  643.35
20961.52  637.5521947.91  639.71 22205.3  643.14   23881  646.5724263.38   648.2
24686.55  652.1425337.01   662.325560.99  663.4326675.43  663.4327310.74  656.86
27584.56  656.8628158.57  653.4328396.25  651.44 28567.8  651.05 28707.8  648.47
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28856.42  649.3829150.42  654.6129472.13  657.4230570.18  680.0431234.41  681.79
32202.31  730.3432344.99  730.7232961.98  692.9332996.69  693.0234590.26   749.8
35633.53  747.0435830.98  748.4336182.86  765.9236224.32  766.4336530.88  763.65
36862.52  774.3337020.62  776.2837794.93     79038490.79  792.28 38841.7     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   16002     .1516933.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         1600216933.73                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1499820.00   174077.40   1717912.00
  E.G. Slope (ft/ft)      0.000087    Area (sq ft)            1499820.00   174077.40   1717912.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3024203.00   524658.40   3181139.00
  Top Width (ft)          34750.25    Top Width (ft)          14690.47     931.73   19128.06
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            2.02       3.01       1.85
  Max Chl Dpth (ft)         192.08    Hydr. Depth (ft)          102.09     186.83      89.81
  Conv. Total (cfs)       721816300.0    Conv. (cfs)            324356400.0   56271470.0   341188400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14703.47     933.85   19136.69
  Min Ch El (ft)            567.82    Shear (lb/sq ft)            0.55       1.01       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.12       3.05       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    131021.30   22214.12   156451.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1196.12     108.02    1445.36


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275883.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  184.34     793  599.76  778.09 1263.57  761.82  1430.6  755.15
 1697.37  747.83 1853.81  746.56 2180.96  746.56 2493.25  745.63 3332.02  718.82
 3399.09  715.37 3484.34  713.44  3494.9  713.34 3683.26  718.14 3851.29  716.56
 3984.84   714.9 4128.24  711.08 4478.75  702.64 4905.93  694.89 5223.85  693.65
 5360.65  692.24 5509.51  687.84 5573.55  683.98 5912.81  681.79 6239.66  682.13
 6371.51  683.12 6577.49  676.24 6733.27   672.8 6799.91  669.36 6845.78  669.36
 6986.54  671.76 7190.14  681.79 7249.08  680.06 7370.25  677.88 7710.37  665.52
  7755.2  665.88 7899.91  662.78 8174.26  641.96 8187.44  640.44 8349.08  633.06
  8478.9  632.24  8716.9  637.62 8880.47  636.58 9051.83  628.62 9226.11  625.68
 9361.12  611.13 9377.24  610.96 9461.19  604.08 9618.71  593.76 9672.37  593.76
  9711.7   596.9 9830.37  626.04 9931.14  634.0810294.18  631.1510442.25   623.4
10494.51  616.4210693.75  614.8110930.01  626.0311211.15  623.7611805.72  620.32
13175.03  620.32 13400.4  613.7613979.75  613.7614425.46   617.214481.72  620.64
14756.99  618.1614763.52  611.5414863.39  610.1115480.46  593.0916005.79  586.88
 16057.8  582.3116240.91  578.3416288.15  573.87 16362.5  567.8216780.78  567.82
16861.58  572.7716939.05  586.8817027.73  609.3917046.73  611.94 17285.1  637.45
17725.12  642.9818160.36  645.6520271.78   642.8   20387   642.820616.49   643.3
 20966.4  637.5121952.69  639.6822210.04  643.1223885.56  646.56 24267.9  648.19
24691.02  652.1425341.41  662.3125565.37  663.4426679.69  663.4427314.92  656.88
27588.72  656.8828162.66  653.4428400.32  651.4428571.85  651.0528711.84  648.46
28860.44  649.3729154.41   654.629476.08  657.4130574.01  680.0131238.17  681.77
32205.97  730.2632348.63  730.6432965.55  692.9133000.26     69334593.65  749.71
35636.82  746.9635834.25  748.3736186.09  765.8536227.54  766.3736534.07  763.61
36865.66  774.2837023.75  776.2437797.98     79038493.77  792.2938844.64     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516005.79     .1516939.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16005.7916939.05                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1499873.00   174353.80   1718253.00
  E.G. Slope (ft/ft)      0.000087    Area (sq ft)            1499873.00   174353.80   1718253.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3023144.00   525346.80   3181509.00
  Top Width (ft)          34754.76    Top Width (ft)          14694.18     933.26   19127.31
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            2.02       3.01       1.85
  Max Chl Dpth (ft)         192.08    Hydr. Depth (ft)          102.07     186.82      89.83
  Conv. Total (cfs)       721989800.0    Conv. (cfs)            324320800.0   56358850.0   341310100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14707.18     935.39   19135.93
  Min Ch El (ft)            567.82    Shear (lb/sq ft)            0.55       1.01       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.12       3.05       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    130849.10   22194.12   156254.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1194.43     107.91    1443.17


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275880.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  184.39  792.99   599.9  778.08 1263.87  761.82 1430.94  755.15
 1697.77  747.83 1854.25  746.55 2181.47  746.55 2493.84  745.61 3332.81  718.84
  3399.9  715.38 3485.16  713.45 3495.73  713.35 3684.13  718.13  3852.2  716.55
 3985.79  714.89 4129.22  711.06 4479.81  702.63 4907.09  694.88 5225.09  693.64
 5361.92  692.22 5510.82  687.81 5574.87  683.95 5914.21  681.76 6241.14  682.11
 6373.02   683.1 6579.04   676.2 6734.86  672.75 6801.52   669.3  6847.4   669.3
  6988.2  671.71 7191.84  681.74  7250.8  680.02 7371.99  677.85  7712.2  665.53
 7757.04   665.9 7901.78  662.84 8176.19  642.05 8189.38  640.53 8351.06  633.13
 8480.91  632.31 8718.96  637.71 8882.58  636.68 9053.98   628.7  9228.3  625.75
 9363.34  611.22 9379.47  611.05 9463.44  604.15 9620.99   593.8 9674.66   593.8
    9714  596.95  9832.7  626.09 9933.49  634.1510296.62  631.2110444.73  623.47
   10497  616.4910696.29  614.88 10932.6  626.0711213.81   623.811808.52  620.35
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13178.15  620.3513403.58   613.813983.07   613.814428.88  617.2514485.15   620.7
14760.49  618.2114767.02   611.614866.91  610.1715484.13  593.1216009.58   586.9
16061.73  582.3216245.32  578.3616292.69  573.8816367.23  567.8216785.76  567.82
16866.73  572.7716944.37   586.917033.04  609.3917052.04  611.9317290.38  637.41
17730.35  642.9418165.55  645.6120276.74  642.7520391.94  642.7520621.41  643.26
20971.28  637.4821957.46  639.6522214.79   643.123890.12  646.5524272.42  648.19
24695.49  652.1425345.82  662.3225569.75  663.4526683.94  663.4527319.11   656.9
27592.88   656.928166.76  653.4528404.39  651.45 28575.9  651.0428715.87  648.45
28864.46  649.35 29158.4  654.5929480.04  657.4130577.85  679.9831241.93  681.74
32209.62  730.1732352.27  730.5532969.13  692.8933003.83  692.9834597.05  749.62
 35640.1  746.8935837.51  748.3136189.31  765.7836230.75   766.336537.26  763.56
36868.82  774.2337026.88   776.237801.03     79038496.74  792.2938847.57     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516009.58     .1516944.37     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16009.5816944.37                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1499912.00   174629.10   1718591.00
  E.G. Slope (ft/ft)      0.000087    Area (sq ft)            1499912.00   174629.10   1718591.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3022085.00   526031.80   3181884.00
  Top Width (ft)          34759.00    Top Width (ft)          14697.65     934.79   19126.56
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            2.01       3.01       1.85
  Max Chl Dpth (ft)         192.08    Hydr. Depth (ft)          102.05     186.81      89.85
  Conv. Total (cfs)       722161500.0    Conv. (cfs)            324284300.0   56445750.0   341431500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14710.64     936.92   19135.16
  Min Ch El (ft)            567.82    Shear (lb/sq ft)            0.55       1.01       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.11       3.04       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    130677.00   22174.09   156057.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1192.74     107.81    1440.97


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275877.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  184.43  792.99  600.05  778.07 1264.17  761.82 1431.28  755.14
 1698.17  747.82 1854.69  746.54 2181.99  746.54 2494.43   745.6 3333.59  718.86
 3400.71   715.4 3485.99  713.46 3496.56  713.36    3685  718.12 3853.12  716.54
 3986.73  714.87 4130.19  711.04 4480.87  702.61 4908.26  694.86 5226.32  693.62
 5363.19   692.2 5512.12  687.78  5576.2  683.91 5915.62  681.72 6242.61  682.09
 6374.53  683.08  6580.6  676.16 6736.46   672.7 6803.13  669.24 6849.02  669.24
 6989.85  671.66 7193.55  681.69 7252.52  679.97 7373.74  677.82 7714.03  665.54
 7758.88  665.92 7903.65  662.89 8178.13  642.14 8191.32  640.62 8353.04   633.2
 8482.92  632.38 8721.03  637.81 8884.68  636.78 9056.12  628.78 9230.49  625.83
 9365.55  611.31 9381.69  611.14 9465.68  604.22 9623.27  593.84 9676.95  593.84
  9716.3     597 9835.03  626.14 9935.84  634.2210299.06  631.28 10447.2  623.54
10499.49  616.5710698.82  614.96 10935.2  626.1211216.46  623.8411811.32  620.38
13181.27  620.3813406.75  613.8413986.38  613.84 14432.3   617.314488.58  620.76
14763.98  618.2614770.52  611.6714870.43  610.23 15487.8  593.1516013.38  586.92
16065.66  582.3316249.74  578.3716297.23  573.8916371.96  567.8216790.73  567.82
16871.88  572.7616949.68  586.9217038.35  609.3917057.34  611.9317295.66  637.38
17735.58  642.9118170.73  645.5720281.69   642.720396.88   642.720626.32  643.21
20976.16  637.4421962.23  639.6222219.53  643.0823894.69  646.5424276.94  648.18
24699.97  652.1325350.22  662.3325574.13  663.46 26688.2  663.46 27323.3  656.92
27597.04  656.9228170.86  653.4628408.46  651.4528579.96  651.0428719.91  648.43
28868.48  649.3429162.38  654.5829483.99   657.430581.68  679.9531245.69  681.72
32213.28  730.0832355.91  730.46 32972.7  692.87 33007.4  692.9634600.45  749.54
35643.38  746.8235840.77  748.2436192.54  765.7136233.98  766.2336540.44  763.51
36871.96  774.1937030.02  776.1637804.08     79038499.71   792.338850.51     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516013.38     .1516949.68     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16013.3816949.68                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1499958.00   174903.20   1718929.00
  E.G. Slope (ft/ft)      0.000087    Area (sq ft)            1499958.00   174903.20   1718929.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3021037.00   526716.60   3182247.00
  Top Width (ft)          34763.39    Top Width (ft)          14701.20     936.30   19125.89
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            2.01       3.01       1.85
  Max Chl Dpth (ft)         192.08    Hydr. Depth (ft)          102.03     186.80      89.87
  Conv. Total (cfs)       722332900.0    Conv. (cfs)            324248800.0   56532650.0   341551500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14714.18     938.43   19134.47
  Min Ch El (ft)            567.82    Shear (lb/sq ft)            0.55       1.01       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.11       3.04       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    130504.80   22154.03   155860.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1191.05     107.70    1438.78


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275874.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  184.47  792.98  600.19  778.05 1264.47  761.81 1431.62  755.13
 1698.58  747.81 1855.13  746.53 2182.51  746.53 2495.02  745.59 3334.38  718.87
 3401.51  715.41 3486.81  713.47 3497.39  713.37 3685.88  718.12 3854.03  716.53
 3987.68  714.86 4131.17  711.03 4481.93  702.59 4909.42  694.85 5227.56   693.6
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 5364.46  692.18 5513.43  687.75 5577.52  683.87 5917.02  681.69 6244.09  682.06
 6376.04  683.06 6582.16  676.12 6738.06  672.65 6804.74  669.18 6850.64  669.18
 6991.51   671.6 7195.25  681.64 7254.24  679.93 7375.49  677.79 7715.85  665.54
 7760.72  665.93 7905.52  662.95 8180.07  642.23 8193.26  640.71 8355.01  633.27
 8484.93  632.46  8723.1   637.9 8886.78  636.87 9058.27  628.86 9232.67   625.9
 9367.77   611.4 9383.91  611.23 9467.92  604.29 9625.55  593.88 9679.24  593.88
  9718.6  597.04 9837.36  626.18  9938.2  634.29 10301.5  631.3410449.68   623.6
10501.97  616.6510701.36  615.0310937.79  626.1711219.12  623.8811814.11  620.41
13184.39  620.4113409.93  613.8813989.69  613.8814435.72  617.3514492.01  620.82
14767.48  618.3214774.02  611.7314873.95   610.315491.46  593.1716017.17  586.94
16069.59  582.3516254.15  578.3916301.77   573.9 16376.7  567.8216795.71  567.82
16877.03  572.76   16955  586.9417043.65  609.3917062.64  611.9317300.94  637.34
17740.82  642.8718175.92  645.5320286.64  642.6520401.83  642.6520631.24  643.16
20981.04   637.4   21967  639.5922224.28  643.0623899.25  646.5324281.46  648.18
24704.44  652.1325354.62  662.3425578.51  663.4726692.46  663.4727327.49  656.94
 27601.2  656.9428174.95  653.4728412.54  651.4528584.01  651.0428723.95  648.42
 28872.5  649.3229166.37  654.5829487.95  657.3930585.52  679.9231249.46   681.7
32216.94     73032359.56  730.3832976.28  692.8533010.97  692.9434603.85  749.45
35646.67  746.7535844.04  748.1836195.76  765.64 36237.2  766.1636543.63  763.46
36875.12  774.1437033.15  776.1237807.12     79038502.68  792.3138853.45     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516017.17     .15   16955     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16017.17   16955                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1500011.00   175177.60   1719263.00
  E.G. Slope (ft/ft)      0.000087    Area (sq ft)            1500011.00   175177.60   1719263.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3019993.00   527396.60   3182611.00
  Top Width (ft)          34767.89    Top Width (ft)          14704.92     937.83   19125.14
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            2.01       3.01       1.85
  Max Chl Dpth (ft)         192.08    Hydr. Depth (ft)          102.01     186.79      89.90
  Conv. Total (cfs)       722503600.0    Conv. (cfs)            324213300.0   56619000.0   341671300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14717.89     939.96   19133.71
  Min Ch El (ft)            567.82    Shear (lb/sq ft)            0.55       1.01       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.11       3.04       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    130332.60   22133.94   155662.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1189.37     107.59    1436.58


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275871.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  184.52  792.98  600.33  778.04 1264.77  761.81 1431.96  755.12
 1698.98  747.81 1855.57  746.52 2183.02  746.52 2495.61  745.58 3335.17  718.89
 3402.32  715.43 3487.64  713.48 3498.22  713.38 3686.75  718.11 3854.94  716.52
 3988.62  714.84 4132.15  711.01 4482.99  702.57 4910.58  694.83  5228.8  693.58
 5365.73  692.16 5514.73  687.73 5578.84  683.84 5918.42  681.66 6245.57  682.04
 6377.55  683.04 6583.72  676.08 6739.65   672.6 6806.35  669.12 6852.27  669.12
 6993.17  671.55 7196.96  681.58 7255.95  679.88 7377.23  677.77 7717.68  665.55
 7762.56  665.95  7907.4  663.01 8182.01  642.31  8195.2   640.8 8356.99  633.35
 8486.94  632.53 8725.16     638 8888.89  636.97 9060.41  628.93 9234.86  625.98
 9369.99  611.49 9386.13  611.32 9470.16  604.36 9627.83  593.92 9681.53  593.92
  9720.9  597.09 9839.69  626.23 9940.55  634.3610303.94   631.410452.15  623.67
10504.46  616.7310703.89   615.110940.38  626.2111221.78  623.9211816.91  620.44
13187.52  620.44 13413.1  613.92   13993  613.9214439.14   617.414495.45  620.88
14770.98  618.3714777.52  611.7914877.48  610.3615495.13   593.216020.96  586.96
16073.52  582.3616258.56  578.41 16306.3  573.9116381.43  567.8216800.69  567.82
16882.18  572.7516960.32  586.9617048.96  609.3917067.95  611.9317306.22   637.3
17746.05  642.84 18181.1  645.49 20291.6   642.620406.77   642.620636.16  643.11
20985.92  637.3721971.77  639.5622229.02  643.0423903.81  646.5224285.98  648.17
24708.92  652.1325359.03  662.3525582.88  663.4826696.72  663.4827331.68  656.96
27605.36  656.9628179.05  653.4828416.61  651.4628588.06  651.0428727.98  648.41
28876.52  649.3129170.36  654.57 29491.9  657.3830589.35  679.8931253.22  681.67
 32220.6  729.91 32363.2  730.2932979.85  692.8333014.54  692.9234607.24  749.36
35649.95  746.68 35847.3  748.1236198.98  765.5736240.41  766.0936546.82  763.42
36878.27   774.137036.28  776.0837810.18     79038505.66  792.3138856.38     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516020.96     .1516960.32     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16020.9616960.32                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1500052.00   175454.10   1719606.00
  E.G. Slope (ft/ft)      0.000087    Area (sq ft)            1500052.00   175454.10   1719606.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3018924.00   528083.90   3182992.00
  Top Width (ft)          34772.21    Top Width (ft)          14708.46     939.36   19124.39
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            2.01       3.01       1.85
  Max Chl Dpth (ft)         192.08    Hydr. Depth (ft)          101.99     186.78      89.92
  Conv. Total (cfs)       722676700.0    Conv. (cfs)            324176300.0   56706370.0   341794000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14721.42     941.49   19132.94
  Min Ch El (ft)            567.82    Shear (lb/sq ft)            0.55       1.01       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.11       3.04       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    130160.40   22113.81   155465.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1187.68     107.48    1434.39


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275868.*
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INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  184.56  792.97  600.47  778.03 1265.07  761.81  1432.3  755.12
 1699.38   747.8 1856.01  746.51 2183.54  746.51  2496.2  745.56 3335.96  718.91
 3403.12  715.44 3488.47  713.49 3499.05  713.39 3687.62  718.11 3855.85  716.51
 3989.57  714.83 4133.13  710.99 4484.06  702.55 4911.74  694.82 5230.04  693.56
    5367  692.14 5516.04   687.7 5580.16   683.8 5919.82  681.62 6247.05  682.02
 6379.06  683.02 6585.28  676.04 6741.25  672.55 6807.97  669.06 6853.89  669.06
 6994.82   671.5 7198.66  681.53 7257.67  679.83 7378.98  677.74 7719.51  665.56
 7764.39  665.97 7909.27  663.06 8183.94   642.4 8197.14  640.88 8358.97  633.42
 8488.95   632.6 8727.23  638.09 8890.99  637.07 9062.56  629.01 9237.04  626.05
 9372.21  611.58 9388.36  611.41  9472.4  604.43  9630.1  593.96 9683.83  593.96
 9723.21  597.14 9842.02  626.28 9942.91  634.4310306.38  631.4610454.62  623.74
10506.95   616.810706.43  615.1710942.97  626.2611224.43  623.9611819.71  620.47
13190.64  620.4713416.28  613.9613996.32  613.9614442.56  617.4514498.88  620.94
14774.47  618.4214781.02  611.85   14881  610.42 15498.8  593.2216024.76  586.98
16077.45  582.3716262.98  578.4316310.84  573.9216386.17  567.8216805.67  567.82
16887.34  572.7516965.63  586.9817054.27  609.3817073.26  611.92 17311.5  637.27
17751.28   642.818186.28  645.4420296.55  642.5520411.71  642.5520641.07  643.06
20990.79  637.3321976.54  639.5322233.76  643.0223908.37  646.51 24290.5  648.17
24713.39  652.1225363.43  662.3725587.26  663.4926700.97  663.4927335.87  656.98
27609.52  656.9828183.14  653.4928420.68  651.4628592.11  651.0428732.02   648.4
28880.54  649.2929174.35  654.5629495.85  657.3830593.19  679.8631256.98  681.65
32224.25  729.8232366.84  730.2132983.43  692.8133018.11   692.934610.64  749.27
35653.23  746.6135850.56  748.0536202.21   765.536243.63  766.02   36550  763.37
36881.42  774.0537039.41  776.0437813.22     79038508.63  792.3238859.32     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516024.76     .1516965.63     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16024.7616965.63                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1500111.00   175726.20   1719958.00
  E.G. Slope (ft/ft)      0.000087    Area (sq ft)            1500111.00   175726.20   1719958.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3017894.00   528751.00   3183355.00
  Top Width (ft)          34776.53    Top Width (ft)          14711.94     940.87   19123.72
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            2.01       3.01       1.85
  Max Chl Dpth (ft)         192.08    Hydr. Depth (ft)          101.97     186.77      89.94
  Conv. Total (cfs)       722857700.0    Conv. (cfs)            324146700.0   56792230.0   341918700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14724.89     943.00   19132.26
  Min Ch El (ft)            567.82    Shear (lb/sq ft)            0.55       1.01       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.11       3.03       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    129988.30   22093.66   155268.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1185.99     107.37    1432.19


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275865.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   184.6  792.97  600.62  778.02 1265.37  761.81 1432.64  755.11
 1699.78  747.79 1856.45   746.5 2184.06   746.5 2496.79  745.55 3336.75  718.93
 3403.93  715.46 3489.29   713.5 3499.87   713.4  3688.5   718.1 3856.77   716.5
 3990.51  714.81 4134.11  710.98 4485.12  702.53 4912.91   694.8 5231.28  693.54
 5368.27  692.12 5517.34  687.67 5581.48  683.76 5921.22  681.59 6248.53  681.99
 6380.57     683 6586.84     676 6742.84   672.5 6809.58     669 6855.51     669
 6996.48  671.44 7200.36  681.48 7259.39  679.79 7380.73  677.71 7721.33  665.56
 7766.23  665.98 7911.14  663.12 8185.88  642.49 8199.08  640.97 8360.95  633.49
 8490.95  632.68 8729.29  638.19  8893.1  637.16  9064.7  629.09 9239.23  626.13
 9374.43  611.67 9390.58   611.5 9474.65   604.5 9632.38     594 9686.12     594
 9725.51  597.19 9844.35  626.32 9945.26   634.510308.82  631.52 10457.1  623.81
10509.43  616.8810708.96  615.2410945.56  626.3111227.09     62411822.51   620.5
13193.76   620.513419.45     61413999.63     61414445.98   617.514502.31     621
14777.97  618.4814784.51  611.9214884.52  610.4815502.47  593.2516028.55     587
16081.38  582.3816267.39  578.4416315.38  573.93 16390.9  567.8216810.65  567.82
16892.49  572.7516970.95     58717059.57  609.3817078.56  611.9217316.78  637.23
17756.51  642.7718191.47   645.420301.51   642.520416.65   642.520645.99  643.01
20995.67   637.321981.32   639.522238.51     64323912.93   646.524295.02  648.16
24717.87  652.1225367.83  662.3825591.64   663.526705.23   663.527340.06     657
27613.68     65728187.24   653.528424.75  651.4728596.16  651.0428736.06  648.38
28884.56  649.2829178.34  654.56 29499.8  657.3730597.02  679.8331260.74  681.63
32227.91  729.7432370.48  730.12   32987  692.7933021.68  692.8834614.04  749.18
35656.52  746.5335853.82  747.9936205.43  765.4336246.86  765.9536553.19  763.32
36884.57  774.0137042.55     77637816.27     790 38511.6  792.3338862.25     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516028.55     .1516970.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16028.5516970.95                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1500157.00   176002.50   1720292.00
  E.G. Slope (ft/ft)      0.000087    Area (sq ft)            1500157.00   176002.50   1720292.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3016847.00   529439.60   3183714.00
  Top Width (ft)          34780.85    Top Width (ft)          14715.48     942.40   19122.97
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            2.01       3.01       1.85
  Max Chl Dpth (ft)         192.08    Hydr. Depth (ft)          101.94     186.76      89.96
  Conv. Total (cfs)       723029500.0    Conv. (cfs)            324111300.0   56879710.0   342038500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14728.43     944.53   19131.49
  Min Ch El (ft)            567.82    Shear (lb/sq ft)            0.55       1.01       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.11       3.03       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    129816.10   22073.47   155070.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1184.30     107.27    1430.00
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CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275862.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  184.65  792.97  600.76     778 1265.67   761.8 1432.98   755.1
 1700.19  747.79 1856.89  746.49 2184.57  746.49 2497.39  745.54 3337.54  718.94
 3404.73  715.47 3490.12  713.51  3500.7  713.41 3689.37   718.1 3857.68  716.49
 3991.45   714.8 4135.09  710.96 4486.18  702.51 4914.07  694.79 5232.51  693.52
 5369.54  692.11 5518.65  687.64  5582.8  683.73 5922.62  681.56 6250.01  681.97
 6382.08  682.98  6588.4  675.96 6744.44  672.45 6811.19  668.94 6857.13  668.94
 6998.13  671.39 7202.07  681.42 7261.11  679.74 7382.47  677.69 7723.16  665.57
 7768.07     666 7913.01  663.18 8187.82  642.58 8201.02  641.06 8362.93  633.56
 8492.96  632.75 8731.36  638.28  8895.2  637.26 9066.85  629.17 9241.42   626.2
 9376.65  611.76  9392.8  611.59 9476.89  604.57 9634.66  594.04 9688.41  594.04
 9727.81  597.24 9846.68  626.37 9947.61  634.5710311.26  631.5810459.57  623.88
10511.92  616.9610711.49  615.3210948.15  626.3511229.75  624.0411825.31  620.53
13196.88  620.5313422.63  614.0414002.94  614.0414449.39  617.5514505.74  621.06
14781.47  618.5314788.01  611.9814888.04  610.5415506.14  593.2716032.34  587.02
16085.31  582.39 16271.8  578.4616319.92  573.9416395.63  567.8116815.63  567.81
16897.64  572.7416976.27  587.0217064.88  609.3817083.87  611.9217322.06  637.19
17761.74  642.7318196.65  645.3620306.46  642.45 20421.6  642.4520650.91  642.96
21000.55  637.2621986.09  639.4722243.25  642.98 23917.5  646.4924299.54  648.16
24722.34  652.1225372.24  662.3925596.02  663.5126709.49  663.5127344.25  657.02
27617.83  657.0228191.34  653.5128428.82  651.4728600.21  651.03 28740.1  648.37
28888.58  649.2729182.33  654.5529503.76  657.3630600.86   679.8 31264.5   681.6
32231.57  729.6532374.12  730.0432990.57  692.7733025.25  692.8634617.43   749.1
 35659.8  746.4635857.09  747.9336208.66  765.3636250.07  765.8836556.38  763.27
36887.72  773.9637045.68  775.9637819.32     79038514.58  792.3338865.18     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516032.34     .1516976.27     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16032.3416976.27                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1500202.00   176283.80   1720630.00
  E.G. Slope (ft/ft)      0.000087    Area (sq ft)            1500202.00   176283.80   1720630.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3015771.00   530150.40   3184079.00
  Top Width (ft)          34785.36    Top Width (ft)          14719.19     943.93   19122.23
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            2.01       3.01       1.85
  Max Chl Dpth (ft)         192.09    Hydr. Depth (ft)          101.92     186.76      89.98
  Conv. Total (cfs)       723201900.0    Conv. (cfs)            324072900.0   56969650.0   342159300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14732.14     946.07   19130.74
  Min Ch El (ft)            759.81    Shear (lb/sq ft)            0.55       1.01       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.11       3.03       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    129643.90   22053.26   154873.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1182.61     107.16    1427.80


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275859.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  184.69  792.96   600.9  777.99 1265.97   761.8 1433.32  755.09
 1700.59  747.78 1857.33  746.48 2185.09  746.48 2497.98  745.53 3338.33  718.96
 3405.54  715.49 3490.94  713.52 3501.53  713.42 3690.24  718.09 3858.59  716.48
  3992.4  714.78 4136.06  710.94 4487.24  702.49 4915.23  694.77 5233.75  693.51
 5370.81  692.09 5519.95  687.62 5584.12  683.69 5924.02  681.53 6251.49  681.95
 6383.59  682.96 6589.96  675.92 6746.03   672.4  6812.8  668.88 6858.76  668.88
 6999.79  671.34 7203.77  681.37 7262.82   679.7 7384.22  677.66 7724.99  665.58
 7769.91  666.02 7914.88  663.23 8189.75  642.67 8202.96  641.15 8364.91  633.63
 8494.97  632.82 8733.42  638.38 8897.31  637.36 9068.99  629.25  9243.6  626.27
 9378.87  611.85 9395.02  611.68 9479.13  604.64 9636.94  594.08  9690.7  594.08
 9730.11  597.29 9849.01  626.42 9949.97  634.64 10313.7  631.6410462.05  623.94
10514.41  617.0310714.03  615.3910950.74   626.411232.41  624.08 11828.1  620.56
13200.01  620.5613425.81  614.0814006.26  614.0814452.81   617.614509.17  621.12
14784.97  618.5814791.51  612.0414891.56   610.615509.81   593.316036.14  587.04
16089.24  582.4116276.21  578.4816324.46  573.9516400.37  567.8116820.61  567.81
16902.79  572.7416981.58  587.0417070.19  609.3817089.17  611.9117327.34  637.16
17766.97   642.718201.84  645.3220311.42   642.420426.54   642.420655.83  642.92
21005.43  637.2221990.86  639.4422247.99  642.9623922.06  646.4824304.06  648.15
24726.81  652.1125376.64   662.4 25600.4  663.5226713.75  663.5227348.43  657.04
27621.99  657.0428195.44  653.5228432.89  651.4828604.27  651.0328744.13  648.36
 28892.6  649.2529186.32  654.5429507.71  657.3530604.69  679.7731268.27  681.58
32235.22  729.5732377.76  729.9532994.15  692.7533028.82  692.8434620.83  749.01
35663.09  746.3935860.35  747.8736211.88  765.2936253.29  765.8236559.56  763.23
36890.87  773.9137048.81  775.9237822.37     79038517.55  792.3438868.12     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516036.14     .1516981.58     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16036.1416981.58                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1500248.00   176554.60   1720969.00
  E.G. Slope (ft/ft)      0.000087    Area (sq ft)            1500248.00   176554.60   1720969.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3014728.00   530817.20   3184455.00
  Top Width (ft)          34789.68    Top Width (ft)          14722.74     945.44   19121.50
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  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            2.01       3.01       1.85
  Max Chl Dpth (ft)         192.09    Hydr. Depth (ft)          101.90     186.74      90.00
  Conv. Total (cfs)       723373100.0    Conv. (cfs)            324037600.0   57054810.0   342280700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14735.68     947.58   19129.99
  Min Ch El (ft)            567.81    Shear (lb/sq ft)            0.55       1.01       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.11       3.03       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    129471.70   22033.01   154675.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1180.92     107.05    1425.61


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275856.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  184.74  792.96  601.04  777.98 1266.26   761.8 1433.65  755.08
 1700.99  747.77 1857.77  746.47 2185.61  746.47 2498.57  745.51 3339.12  718.98
 3406.34  715.51 3491.77  713.53 3502.36  713.43 3691.11  718.09  3859.5  716.47
 3993.34  714.77 4137.04  710.93  4488.3  702.47 4916.39  694.76 5234.99  693.49
 5372.08  692.07 5521.26  687.59 5585.44  683.65 5925.42  681.49 6252.96  681.93
  6385.1  682.94 6591.51  675.88 6747.63  672.35 6814.41  668.82 6860.38  668.82
 7001.44  671.28 7205.48  681.32 7264.54  679.65 7385.96  677.63 7726.82  665.58
 7771.74  666.03 7916.76  663.29 8191.69  642.76  8204.9  641.24 8366.89   633.7
 8496.98  632.89 8735.49  638.47 8899.41  637.45 9071.14  629.33 9245.79  626.35
 9381.08  611.94 9397.24  611.77 9481.37  604.71 9639.22  594.12    9693  594.12
 9732.41  597.34 9851.34  626.46 9952.32  634.7110316.14  631.7110464.52  624.01
 10516.9  617.1110716.56  615.4610953.33  626.4511235.06  624.12 11830.9  620.59
13203.13  620.5913428.98  614.1214009.57  614.1214456.23  617.6514512.61  621.18
14788.46  618.6314795.01   612.114895.09  610.6615513.48  593.3316039.93  587.06
16093.17  582.4216280.63   578.516328.99  573.96 16405.1  567.8116825.59  567.81
16907.94  572.73 16986.9  587.06 17075.5  609.3817094.48  611.9117332.62  637.12
17772.21  642.6618207.02  645.2820316.37  642.3520431.48  642.3520660.74  642.87
21010.31  637.1921995.63  639.4122252.74  642.9423926.62  646.4724308.58  648.15
24731.29  652.1125381.04  662.4125604.78  663.5326718.01  663.5327352.62  657.06
27626.15  657.0628199.53  653.5328436.96  651.4828608.32  651.0328748.17  648.34
28896.62  649.24 29190.3  654.5429511.67  657.3530608.52  679.7531272.03  681.55
32238.88  729.48 32381.4  729.8732997.72  692.7333032.39  692.8234624.23  748.92
35666.37  746.3235863.61   747.836215.11  765.2236256.51  765.7536562.75  763.18
36894.02  773.8737051.95  775.8837825.42     79038520.52  792.3538871.05     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516039.93     .15 16986.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16039.93 16986.9                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1500297.00   176830.90   1721296.00
  E.G. Slope (ft/ft)      0.000087    Area (sq ft)            1500297.00   176830.90   1721296.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3013703.00   531504.30   3184793.00
  Top Width (ft)          34794.09    Top Width (ft)          14726.29     946.97   19120.82
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            2.01       3.01       1.85
  Max Chl Dpth (ft)         192.09    Hydr. Depth (ft)          101.88     186.73      90.02
  Conv. Total (cfs)       723543200.0    Conv. (cfs)            324003600.0   57142090.0   342397500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14739.22     949.11   19129.29
  Min Ch El (ft)            567.81    Shear (lb/sq ft)            0.55       1.01       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.10       3.02       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    129299.40   22012.72   154478.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1179.23     106.94    1423.41


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275854.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  184.78  792.95  601.18  777.97 1266.56  761.79 1433.99  755.08
 1701.39  747.77 1858.21  746.46 2186.12  746.46 2499.16   745.5 3339.91  718.99
 3407.15  715.52 3492.59  713.54 3503.19  713.44 3691.99  718.08 3860.42  716.46
 3994.29  714.75 4138.02  710.91 4489.36  702.45 4917.56  694.75 5236.23  693.47
 5373.35  692.05 5522.57  687.56 5586.76  683.62 5926.83  681.46 6254.44   681.9
 6386.61  682.92 6593.07  675.84 6749.22   672.3 6816.02  668.76    6862  668.76
  7003.1  671.23 7207.18  681.27 7266.26   679.6 7387.71   677.6 7728.64  665.59
 7773.58  666.05 7918.63  663.35 8193.63  642.85 8206.84  641.33 8368.86  633.77
 8498.99  632.97 8737.56  638.57 8901.52  637.55 9073.28   629.4 9247.98  626.42
  9383.3  612.04 9399.47  611.86 9483.61  604.78  9641.5  594.16 9695.29  594.16
 9734.71  597.39 9853.67  626.51 9954.67  634.7810318.58  631.77   10467  624.08
10519.38  617.19 10719.1  615.5310955.92  626.4911237.72  624.16 11833.7  620.62
13206.25  620.6213432.16  614.1614012.88  614.1614459.65   617.714516.04  621.24
14791.96  618.6914798.51  612.1714898.61  610.7215517.14  593.3516043.72  587.08
 16097.1  582.4316285.04  578.5216333.53  573.9716409.84  567.8116830.57  567.81
16913.09  572.7316992.22  587.08 17080.8  609.3817099.78  611.91 17337.9  637.08
17777.44  642.6318212.21  645.2320321.33   642.320436.42   642.320665.66  642.82
21015.19  637.15 22000.4  639.3822257.48  642.9223931.18  646.46 24313.1  648.14
24735.76  652.1125385.45  662.4225609.16  663.5426722.26  663.5427356.81  657.08
27630.31  657.0828203.63  653.5428441.03  651.4828612.37  651.0328752.21  648.33
28900.64  649.2229194.29  654.5329515.62  657.3430612.36  679.7231275.79  681.53
32242.54  729.3932385.04  729.78 33001.3  692.7133035.96   692.834627.62  748.83
35669.66  746.2535866.87  747.7436218.33  765.1536259.73  765.6836565.93  763.13
36897.17  773.8237055.08  775.8437828.47     790 38523.5  792.3538873.99     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516043.72     .1516992.22     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16043.7216992.22                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
```

```
  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1500345.00   177106.30   1721654.00
  E.G. Slope (ft/ft)      0.000086    Area (sq ft)            1500345.00   177106.30   1721654.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3012624.00   532181.10   3185196.00
  Top Width (ft)          34798.52    Top Width (ft)          14729.94     948.50   19120.08
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            2.01       3.00       1.85
  Max Chl Dpth (ft)         192.09    Hydr. Depth (ft)          101.86     186.72      90.04
  Conv. Total (cfs)       723721500.0    Conv. (cfs)            323967400.0   57228950.0   342525200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14742.86     950.64   19128.53
  Min Ch El (ft)            567.81    Shear (lb/sq ft)            0.55       1.01       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.10       3.02       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    129127.20   21992.41   154280.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1177.54     106.83    1421.22


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275851.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  184.82  792.95  601.33  777.95 1266.86  761.79 1434.33  755.07
 1701.79  747.76 1858.64  746.45 2186.64  746.45 2499.75  745.49  3340.7  719.01
 3407.95  715.54 3493.42  713.55 3504.01  713.45 3692.86  718.08 3861.33  716.45
 3995.23  714.74    4139  710.89 4490.42  702.43 4918.72  694.73 5237.47  693.45
 5374.62  692.03 5523.87  687.54 5588.08  683.58 5928.23  681.43 6255.92  681.88
 6388.12   682.9 6594.63   675.8 6750.82  672.25 6817.63   668.7 6863.62   668.7
 7004.75  671.18 7208.88  681.21 7267.98  679.56 7389.46  677.58 7730.47   665.6
 7775.42  666.07  7920.5   663.4 8195.57  642.93 8208.78  641.41 8370.84  633.85
    8501  633.04 8739.62  638.66 8903.62  637.65 9075.43  629.48 9250.16   626.5
 9385.52  612.13 9401.69  611.95 9485.86  604.85 9643.78   594.2 9697.58   594.2
 9737.01  597.44    9856  626.56 9957.03  634.8510321.02  631.8310469.47  624.15
10521.87  617.2610721.63   615.610958.51  626.5411240.38   624.2 11836.5  620.65
13209.37  620.6513435.33   614.2 14016.2   614.214463.07  617.7514519.47   621.3
14795.46  618.7414802.01  612.2314902.13  610.7815520.81  593.3816047.51   587.1
16101.03  582.4416289.46  578.5316338.07  573.9816414.57  567.8116835.54  567.81
16918.25  572.7216997.54   587.117086.11  609.3717105.09   611.917343.18  637.05
17782.67  642.5918217.39  645.1920326.28  642.2520441.36  642.2520670.58  642.77
21020.07  637.1122005.18  639.3522262.23   642.923935.74  646.4524317.62  648.14
24740.23   652.125389.85  662.4425613.54  663.5526726.52  663.55   27361   657.1
27634.47   657.128207.72  653.55 28445.1  651.4928616.42  651.0328756.24  648.32
28904.66  649.2129198.28  654.5229519.57  657.3330616.19  679.6931279.55  681.51
 32246.2  729.3132388.69   729.733004.87  692.6933039.53  692.7834631.02  748.74
35672.94  746.1835870.13  747.6836221.55  765.0836262.95  765.6136569.12  763.08
36900.32  773.7837058.21   775.837831.52     79038526.47  792.3638876.93     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516047.51     .1516997.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16047.5116997.54                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1500387.00   177383.40   1721986.00
  E.G. Slope (ft/ft)      0.000086    Area (sq ft)            1500387.00   177383.40   1721986.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3011574.00   532871.90   3185554.00
  Top Width (ft)          34802.84    Top Width (ft)          14733.48     950.03   19119.34
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            2.01       3.00       1.85
  Max Chl Dpth (ft)         192.09    Hydr. Depth (ft)          101.84     186.71      90.07
  Conv. Total (cfs)       723892200.0    Conv. (cfs)            323930900.0   57316760.0   342644500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14746.39     952.17   19127.78
  Min Ch El (ft)            567.81    Shear (lb/sq ft)            0.55       1.01       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.10       3.02       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    128955.00   21972.07   154082.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1175.85     106.72    1419.02


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275848.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  184.87  792.94  601.47  777.94 1267.16  761.79 1434.67  755.06
  1702.2  747.76 1859.08  746.44 2187.16  746.44 2500.34  745.47 3341.49  719.03
 3408.76  715.55 3494.24  713.56 3504.84  713.46 3693.73  718.07 3862.24  716.44
 3996.18  714.72 4139.98  710.87 4491.48  702.41 4919.88  694.72  5238.7  693.43
  5375.9  692.01 5525.18  687.51  5589.4  683.54 5929.63  681.39  6257.4  681.86
 6389.63  682.88 6596.19  675.76 6752.42   672.2 6819.25  668.64 6865.25  668.64
 7006.41  671.13 7210.59  681.16  7269.7  679.51  7391.2  677.55  7732.3   665.6
 7777.26  666.09 7922.37  663.46  8197.5  643.02 8210.72   641.5 8372.82  633.92
 8503.01  633.11 8741.69  638.76 8905.72  637.74 9077.57  629.56 9252.35  626.57
 9387.74  612.22 9403.91  612.04  9488.1  604.92 9646.06  594.24 9699.87  594.24
 9739.31  597.49 9858.33   626.6 9959.38  634.9210323.46  631.8910471.95  624.22
10524.36  617.3410724.17  615.68 10961.1  626.5911243.03  624.2411839.29  620.68
13212.49  620.6813438.51  614.2414019.51  614.2414466.49   617.8 14522.9  621.36
14798.95  618.7914805.51  612.2914905.65  610.8415524.48   593.416051.31  587.12
16104.96  582.4516293.87  578.5516342.61  573.98 16419.3  567.8116840.52  567.81
 16923.4  572.7217002.85  587.1217091.42  609.3717110.39   611.917348.46  637.01
 17787.9  642.5618222.57  645.1520331.24   642.2 20446.3   642.220675.49  642.72
21024.95  637.0822009.95  639.3222266.97  642.88 23940.3  646.4424322.14  648.13
24744.71   652.125394.25  662.4525617.92  663.5626730.78  663.5627365.19  657.12
27638.63  657.1228211.82  653.5628449.17  651.4928620.47  651.0328760.28   648.3
28908.69  649.1929202.27  654.5129523.53  657.3230620.03  679.6631283.31  681.48
32249.85  729.2232392.33  729.6133008.45  692.6633043.11  692.7634634.42  748.66
35676.22   746.135873.39  747.6136224.78  765.0136266.17  765.54 36572.3  763.04
36903.47  773.7337061.34  775.7637834.57     79038529.44  792.3738879.86     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516051.31     .1517002.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16051.3117002.85                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1500445.00   177655.90   1722336.00
  E.G. Slope (ft/ft)      0.000086    Area (sq ft)            1500445.00   177655.90   1722336.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3010541.00   533540.30   3185919.00
  Top Width (ft)          34807.23    Top Width (ft)          14737.02     951.54   19118.67
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            2.01       3.00       1.85
  Max Chl Dpth (ft)         192.09    Hydr. Depth (ft)          101.81     186.70      90.09
  Conv. Total (cfs)       724071100.0    Conv. (cfs)            323899800.0   57402840.0   342768400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14749.92     953.68   19127.10
  Min Ch El (ft)            567.81    Shear (lb/sq ft)            0.55       1.00       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.10       3.02       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    128782.80   21951.69   153885.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1174.16     106.61    1416.83


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275845.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  184.91  792.94  601.61  777.93 1267.46  761.79 1435.01  755.05
  1702.6  747.75 1859.52  746.43 2187.67  746.43 2500.93  745.46 3342.28  719.04
 3409.57  715.57 3495.07  713.57 3505.67  713.47 3694.61  718.06 3863.16  716.43
 3997.12  714.71 4140.96  710.86 4492.55  702.39 4921.04   694.7 5239.94  693.41
 5377.17  691.99 5526.48  687.48 5590.72  683.51 5931.03  681.36 6258.88  681.83
 6391.14  682.86 6597.75  675.72 6754.01  672.15 6820.86  668.58 6866.87  668.58
 7008.07  671.07 7212.29  681.11 7271.41  679.47 7392.95  677.52 7734.12  665.61
  7779.1   666.1 7924.24  663.52 8199.44  643.11 8212.66  641.59  8374.8  633.99
 8505.02  633.19 8743.75  638.85 8907.83  637.84 9079.72  629.64 9254.54  626.65
 9389.96  612.31 9406.13  612.13 9490.34  604.99 9648.34  594.28 9702.16  594.28
 9741.62  597.54 9860.66  626.65 9961.73  634.9910325.89  631.9510474.42  624.28
10526.84  617.42 10726.7  615.7510963.69  626.6311245.69  624.2811842.09  620.71
13215.62  620.7113441.68  614.2814022.82  614.2814469.91  617.8514526.33  621.42
14802.45  618.85   14809  612.3514909.18   610.915528.15  593.43 16055.1  587.14
16108.89  582.4616298.28  578.5716347.14  573.9916424.04  567.81 16845.5  567.81
16928.55  572.7217008.17  587.1417096.73  609.37 17115.7   611.917353.74  636.97
17793.13  642.5218227.76  645.1120336.19  642.1520451.25  642.1520680.41  642.67
21029.83  637.0422014.72  639.2922271.71  642.8623944.87  646.4324326.66  648.12
24749.18   652.125398.66  662.4625622.29  663.5726735.04  663.5727369.38  657.14
27642.79  657.1428215.92  653.5728453.24   651.528624.53  651.0328764.32  648.29
28912.71  649.1829206.26  654.5129527.48  657.3230623.86  679.6331287.08  681.46
32253.51  729.1332395.97  729.5333012.02  692.6433046.68  692.7434637.82  748.57
35679.51  746.0335876.66  747.55   36228  764.9436269.39  765.4736575.49  762.99
36906.62  773.6937064.48  775.7237837.61     79038532.41  792.37 38882.8     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 16055.1     .1517008.17     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       16055.117008.17                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1500492.00   177931.30   1722668.00
  E.G. Slope (ft/ft)      0.000086    Area (sq ft)            1500492.00   177931.30   1722668.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3009506.00   534221.40   3186273.00
  Top Width (ft)          34811.56    Top Width (ft)          14740.56     953.07   19117.93
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            2.01       3.00       1.85
  Max Chl Dpth (ft)         192.09    Hydr. Depth (ft)          101.79     186.69      90.11
  Conv. Total (cfs)       724242300.0    Conv. (cfs)            323865000.0   57489700.0   342887600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14753.47     955.22   19126.34
  Min Ch El (ft)            567.81    Shear (lb/sq ft)            0.55       1.00       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.10       3.01       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    128610.60   21931.28   153687.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1172.47     106.50    1414.63


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275842.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  184.95  792.93  601.75  777.92 1267.76  761.78 1435.35  755.04
    1703  747.74 1859.96  746.42 2188.19  746.42 2501.52  745.45 3343.07  719.06
 3410.37  715.58  3495.9  713.58  3506.5  713.48 3695.48  718.06 3864.07  716.42
 3998.06  714.69 4141.93  710.84 4493.61  702.37 4922.21  694.69 5241.18   693.4
 5378.44  691.98 5527.79  687.45 5592.04  683.47 5932.43  681.33 6260.36  681.81
 6392.65  682.84 6599.31  675.68 6755.61   672.1 6822.47  668.52 6868.49  668.52
 7009.72  671.02 7213.99  681.05 7273.13  679.42  7394.7  677.49 7735.95  665.62
 7780.93  666.12 7926.12  663.57 8201.38   643.2  8214.6  641.68 8376.78  634.06
 8507.03  633.26 8745.82  638.95 8909.93  637.94 9081.86  629.72 9256.72  626.72
 9392.18   612.4 9408.36  612.22 9492.58  605.06 9650.62  594.32 9704.46  594.32
 9743.92  597.58 9862.99   626.7 9964.09  635.0610328.33  632.01 10476.9  624.35
10529.33  617.4910729.23  615.8210966.28  626.6811248.35  624.3211844.89  620.74
13218.74  620.7413444.86  614.3214026.13  614.3214473.32   617.914529.76  621.48
14805.95   618.9 14812.5  612.42 14912.7  610.9615531.82  593.4516058.89  587.16
16112.82  582.4816302.69  578.5916351.68     57416428.77  567.8116850.48  567.81
 16933.7  572.7117013.49  587.1617102.03  609.37   17121   611.917359.02  636.94
17798.36  642.4918232.94  645.0720341.15   642.120456.19   642.120685.33  642.62
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21034.71     63722019.49  639.2622276.46  642.8423949.43  646.4224331.18  648.12
24753.66  652.0925403.06  662.4725626.67  663.5826739.29  663.5827373.57  657.16
27646.95  657.1628220.01  653.5828457.31   651.528628.58  651.0228768.35  648.28
28916.73  649.1729210.25   654.529531.44  657.31 30627.7   679.631290.84  681.43
32257.17  729.0532399.61  729.4433015.59  692.6233050.25  692.7234641.21  748.48
35682.79  745.9635879.92  747.4936231.22  764.8736272.61   765.436578.68  762.94
36909.77  773.6437067.61  775.6837840.66     79038535.39  792.3838885.73     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516058.89     .1517013.49     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16058.8917013.49                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1500538.00   178206.10   1723013.00
  E.G. Slope (ft/ft)      0.000086    Area (sq ft)            1500538.00   178206.10   1723013.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3008439.00   534898.10   3186664.00
  Top Width (ft)          34816.07    Top Width (ft)          14744.28     954.60   19117.19
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            2.00       3.00       1.85
  Max Chl Dpth (ft)         192.09    Hydr. Depth (ft)          101.77     186.68      90.13
  Conv. Total (cfs)       724414800.0    Conv. (cfs)            323827300.0   57576250.0   343011400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14757.17     956.75   19125.58
  Min Ch El (ft)            567.81    Shear (lb/sq ft)            0.55       1.00       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.10       3.01       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    128438.30   21910.84   153489.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1170.78     106.40    1412.44


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275839.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800     185  792.93  601.89  777.91 1268.06  761.78 1435.69  755.04
  1703.4  747.74  1860.4  746.41 2188.71  746.41 2502.11  745.44 3343.86  719.08
 3411.18   715.6 3496.72  713.59 3507.33  713.49 3696.35  718.05 3864.98  716.41
 3999.01  714.68 4142.91  710.82 4494.67  702.36 4923.37  694.67 5242.42  693.38
 5379.71  691.96 5529.09  687.43 5593.37  683.43 5933.83  681.29 6261.84  681.79
 6394.16  682.82 6600.87  675.64  6757.2  672.05 6824.08  668.46 6870.11  668.46
 7011.38  670.97  7215.7     681 7274.85  679.38 7396.44  677.47 7737.78  665.62
 7782.77  666.14 7927.99  663.63 8203.31  643.29 8216.54  641.77 8378.76  634.13
 8509.04  633.33 8747.88  639.04 8912.04  638.03 9084.01   629.8 9258.91   626.8
 9394.39  612.49 9410.58  612.31 9494.83  605.13  9652.9  594.36 9706.75  594.36
 9746.22  597.63 9865.32  626.74 9966.44  635.1310330.77  632.0810479.37  624.42
10531.82  617.5710731.77  615.8910968.87  626.73   11251  624.3611847.69  620.77
13221.86  620.7713448.03  614.3614029.45  614.3614476.74  617.95 14533.2  621.54
14809.45  618.95   14816  612.4814916.22  611.0215535.49  593.4816062.69  587.18
16116.75  582.4916307.11   578.616356.22  574.0116433.51  567.8116855.46  567.81
16938.85  572.71 17018.8  587.1817107.34  609.3717126.31  611.8917364.29   636.9
17803.59  642.4518238.13  645.03 20346.1  642.0520461.13  642.0520690.24  642.58
21039.59  636.9722024.26  639.23 22281.2  642.8223953.99  646.41 24335.7  648.11
24758.13  652.0925407.46  662.4825631.05  663.5926743.55  663.5927377.76  657.18
27651.11  657.1828224.11  653.5928461.38   651.528632.63  651.0228772.39  648.27
28920.75  649.1529214.24  654.4929535.39   657.330631.53  679.57 31294.6  681.41
32260.82  728.9632403.25  729.3533019.17   692.633053.82   692.734644.61  748.39
35686.07  745.8935883.18  747.4336234.45   764.836275.83  765.3436581.86  762.89
36912.92  773.5937070.75  775.6437843.71     79038538.36  792.3938888.66     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516062.69     .15 17018.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16062.69 17018.8                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1500575.00   178478.90   1723356.00
  E.G. Slope (ft/ft)      0.000086    Area (sq ft)            1500575.00   178478.90   1723356.00
  Q Total (cfs)           6730000.00    Flow (cfs)            3007380.00   535573.00   3187047.00
  Top Width (ft)          34820.33    Top Width (ft)          14747.76     956.11   19116.46
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            2.00       3.00       1.85
  Max Chl Dpth (ft)         192.09    Hydr. Depth (ft)          101.75     186.67      90.15
  Conv. Total (cfs)       724586500.0    Conv. (cfs)            323790000.0   57662550.0   343133900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14760.64     958.26   19124.84
  Min Ch El (ft)            567.81    Shear (lb/sq ft)            0.55       1.00       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.10       3.01       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    128266.10   21890.37   153291.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1169.08     106.29    1410.25


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275836.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  185.04  792.92  602.04  777.89 1268.36  761.78 1436.03  755.03
 1703.81  747.73 1860.84   746.4 2189.23   746.4  2502.7  745.42 3344.65   719.1
 3411.98  715.61 3497.55   713.6 3508.16   713.5 3697.22  718.05 3865.89   716.4
 3999.95  714.66 4143.89  710.81 4495.73  702.34 4924.53  694.66 5243.65  693.36
 5380.98  691.94  5530.4   687.4 5594.69   683.4 5935.23  681.26 6263.32  681.77
 6395.67   682.8 6602.42   675.6  6758.8     672 6825.69   668.4 6871.73   668.4
 7013.03  670.91  7217.4  680.95 7276.57  679.33 7398.19  677.44 7739.61  665.63
 7784.61  666.15 7929.86  663.69 8205.25  643.38 8218.48  641.86 8380.74   634.2
 8511.05   633.4 8749.95  639.14 8914.14  638.13 9086.15  629.87 9261.09  626.87
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 9396.61  612.58  9412.8   612.4 9497.07   605.2 9655.18   594.4 9709.04   594.4
 9748.52  597.68 9867.64  626.79 9968.79   635.210333.21  632.1410481.85  624.49
 10534.3  617.65 10734.3  615.9710971.46  626.7711253.66   624.411850.48   620.8
13224.98   620.813451.21   614.414032.76   614.414480.16      61814536.63   621.6
14812.94      619 14819.5  612.5414919.74  611.0915539.16  593.5116066.48   587.2
16120.68   582.516311.52  578.6216360.76  574.0216438.24   567.816860.44   567.8
   16944   572.717024.12   587.217112.65  609.3617131.61  611.8917369.57  636.86
17808.83  642.4218243.31  644.9820351.05     64220466.07     64220695.16  642.53
21044.46  636.9322029.04   639.222285.95   642.823958.55   646.424340.22  648.11
24762.61  652.0925411.87   662.525635.43   663.626747.81   663.627381.95   657.2
27655.27   657.228228.21   653.628465.46  651.5128636.68  651.0228776.43  648.25
28924.77  649.1429218.23  654.4929539.34  657.2930635.36  679.5431298.36  681.39
32264.48  728.8732406.89  729.2733022.74  692.5833057.39  692.6834648.01   748.3
35689.36  745.8235886.45  747.3636237.67  764.7336279.05  765.2736585.05  762.84
36916.07  773.5537073.88   775.637846.76     79038541.34  792.39 38891.6     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516066.48     .1517024.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16066.4817024.12                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1500616.00   178759.70   1723700.00
  E.G. Slope (ft/ft)      0.000086    Area (sq ft)            1500616.00   178759.70   1723700.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3006310.00   536276.50   3187414.00
  Top Width (ft)          34824.72    Top Width (ft)          14751.29     957.64   19115.79
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            2.00       3.00       1.85
  Max Chl Dpth (ft)         192.10    Hydr. Depth (ft)          101.73     186.67      90.17
  Conv. Total (cfs)       724761800.0    Conv. (cfs)            323753100.0   57752260.0   343256400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14764.17     959.79   19124.15
  Min Ch El (ft)            567.80    Shear (lb/sq ft)            0.55       1.00       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.10       3.01       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    128093.80   21869.87   153094.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1167.39     106.18    1408.05


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275833.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  185.09  792.92  602.18  777.88 1268.66  761.78 1436.37  755.02
 1704.21  747.72 1861.28  746.39 2189.74  746.39 2503.29  745.41 3345.44  719.11
 3412.79  715.63 3498.37  713.61 3508.98  713.51  3698.1  718.04 3866.81  716.39
  4000.9  714.65 4144.87  710.79 4496.79  702.32  4925.7  694.64 5244.89  693.34
 5382.25  691.92 5531.71  687.37 5596.01  683.36 5936.63  681.23 6264.79  681.74
 6397.17  682.78 6603.98  675.56 6760.39  671.95  6827.3  668.34 6873.36  668.34
 7014.69  670.86 7219.11  680.89 7278.29  679.28 7399.94  677.41 7741.43  665.64
 7786.45  666.17 7931.73  663.74 8207.19  643.46 8220.42  641.95 8382.71  634.28
 8513.06  633.48 8752.02  639.23 8916.25  638.23  9088.3  629.95 9263.28  626.95
 9398.83  612.67 9415.02  612.49 9499.31  605.27 9657.46  594.44 9711.33  594.44
 9750.82  597.73 9869.97  626.84 9971.15  635.2710335.65   632.210484.32  624.56
10536.79  617.7210736.84  616.0410974.05  626.8211256.32  624.4411853.28  620.83
13228.11  620.8313454.39  614.4414036.07  614.4414483.58  618.0514540.06  621.66
14816.44  619.06   14823   612.614923.27  611.1515542.82  593.5316070.27  587.22
16124.61  582.5116315.93  578.64 16365.3  574.0316442.97   567.816865.42   567.8
16949.15   572.717029.44  587.2217117.96  609.3617136.92  611.8917374.85  636.83
17814.06  642.3818248.49  644.9420356.01  641.9520471.02  641.9520700.08  642.48
21049.34   636.922033.81  639.1722290.69  642.7823963.11  646.3924344.74   648.1
24767.08  652.0825416.27  662.5125639.81  663.6126752.07  663.6127386.13  657.22
27659.42  657.22 28232.3  653.6128469.53  651.5128640.74  651.0228780.46  648.24
28928.79  649.1229222.21  654.48 29543.3  657.29 30639.2  679.5131302.12  681.36
32268.14  728.7932410.54  729.1833026.32  692.5633060.96  692.6634651.41  748.22
35692.64  745.7535889.71   747.336240.89  764.6636282.27   765.236588.23   762.8
36919.22   773.537077.01  775.5637849.81     79038544.31   792.438894.54     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516070.27     .1517029.44     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16070.2717029.44                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1500672.00   179035.10   1724028.00
  E.G. Slope (ft/ft)      0.000086    Area (sq ft)            1500672.00   179035.10   1724028.00
  Q Total (cfs)           6730000.00    Flow (cfs)             3005300.00   536954.70   3187746.00
  Top Width (ft)          34829.05    Top Width (ft)          14754.83     959.17   19115.05
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            2.00       3.00       1.85
  Max Chl Dpth (ft)         192.09    Hydr. Depth (ft)          101.71     186.66      90.19
  Conv. Total (cfs)       724934700.0    Conv. (cfs)            323721500.0   57839090.0   343374100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14767.71     961.32   19123.39
  Min Ch El (ft)            567.80    Shear (lb/sq ft)            0.55       1.00       0.49
  Alpha                       1.06    Stream Power (lb/ft s)      1.09       3.01       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    127921.60   21849.33   152896.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1165.70     106.07    1405.86


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275830.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  185.13  792.92  602.32  777.87 1268.96  761.77 1436.71  755.01
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 1704.61  747.72 1861.72  746.38 2190.26  746.38 2503.88   745.4 3346.23  719.13
 3413.59  715.65  3499.2  713.62 3509.81  713.52 3698.97  718.04 3867.72  716.38
 4001.84  714.63 4145.85  710.77 4497.85   702.3 4926.86  694.63 5246.13  693.32
 5383.52   691.9 5533.01  687.35 5597.33  683.32 5938.03  681.19 6266.27  681.72
 6398.68  682.76 6605.54  675.52 6761.99   671.9 6828.91  668.28 6874.98  668.28
 7016.34  670.81 7220.81  680.84    7280  679.24 7401.68  677.39 7743.26  665.64
 7788.28  666.19  7933.6   663.8 8209.12  643.55 8222.36  642.03 8384.69  634.35
 8515.07  633.55 8754.08  639.33 8918.35  638.32 9090.44  630.03 9265.47  627.02
 9401.05  612.76 9417.24  612.58 9501.55  605.34 9659.74  594.48 9713.62  594.48
 9753.12  597.78  9872.3  626.88  9973.5  635.3410338.09  632.2610486.79  624.62
10539.28   617.810739.37  616.1110976.64  626.8711258.97  624.4811856.08  620.86
13231.23  620.8613457.56  614.4814039.38  614.48   14487   618.114543.49  621.72
14819.94  619.11 14826.5  612.6714926.79  611.2115546.49  593.5616074.07  587.24
16128.54  582.5216320.35  578.6616369.83  574.0416447.71   567.8 16870.4   567.8
16954.31   572.717034.75  587.2417123.26  609.3617142.22  611.8817380.13  636.79
17819.29  642.3518253.68   644.920360.96   641.920475.96   641.9   20705  642.43
21054.22  636.8622038.58  639.1422295.43  642.7623967.67  646.3824349.26   648.1
24771.55  652.0825420.67  662.5225644.19  663.6226756.33  663.6227390.32  657.24
27663.58  657.24 28236.4  653.62 28473.6  651.5228644.79  651.02 28784.5  648.23
28932.81  649.11 29226.2  654.4729547.25  657.2830643.03  679.4831305.89  681.34
32271.79   728.732414.18   729.133029.89  692.5433064.53  692.64 34654.8  748.13
35695.93  745.6835892.97  747.2436244.12  764.5936285.49  765.1336591.42  762.75
36922.37  773.4637080.14  775.5237852.86     79038547.28  792.4138897.47     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516074.07     .1517034.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16074.0717034.75                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1500715.00   179306.80   1724363.00
  E.G. Slope (ft/ft)      0.000086    Area (sq ft)            1500715.00   179306.80   1724363.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3004247.00   537625.80   3188128.00
  Top Width (ft)          34833.57    Top Width (ft)          14758.56     960.68   19114.33
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            2.00       3.00       1.85
  Max Chl Dpth (ft)         192.09    Hydr. Depth (ft)          101.68     186.65      90.21
  Conv. Total (cfs)       725101800.0    Conv. (cfs)            323682700.0   57924730.0   343494400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14771.42     962.83   19122.66
  Min Ch El (ft)            567.80    Shear (lb/sq ft)            0.55       1.00       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.09       3.00       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    127749.30   21828.77   152698.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1164.00     105.96    1403.66


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275827.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  185.17  792.91  602.46  777.86 1269.26  761.77 1437.04  755.01
 1705.01  747.71 1862.16  746.37 2190.78  746.37 2504.48  745.39 3347.02  719.15
  3414.4  715.66 3500.02  713.63 3510.64  713.53 3699.84  718.03 3868.63  716.37
 4002.79  714.62 4146.83  710.76 4498.91  702.28 4928.02  694.61 5247.37   693.3
 5384.79  691.88 5534.32  687.32 5598.65  683.29 5939.44  681.16 6267.75   681.7
 6400.19  682.74  6607.1  675.48 6763.58  671.85 6830.53  668.22  6876.6  668.22
    7018  670.75 7222.51  680.79 7281.72  679.19 7403.43  677.36 7745.09  665.65
 7790.12  666.21 7935.48  663.86 8211.06  643.64  8224.3  642.12 8386.67  634.42
 8517.08  633.62 8756.15  639.42 8920.46  638.42 9092.59  630.11 9267.65   627.1
 9403.27  612.85 9419.47  612.67 9503.79  605.41 9662.02  594.52 9715.92  594.52
 9755.42  597.83 9874.63  626.93 9975.85  635.4110340.53  632.3210489.27  624.69
10541.76  617.88 10741.9  616.1810979.23  626.9111261.63  624.5211858.88  620.89
13234.35  620.8913460.74  614.52 14042.7  614.5214490.42  618.1514546.92  621.78
14823.43  619.16   14830  612.7314930.31  611.2715550.16  593.5816077.86  587.26
16132.47  582.5316324.76  578.6816374.37  574.0516452.44   567.816875.38   567.8
16959.46  572.6917040.07  587.2617128.57  609.3617147.53  611.8817385.41  636.76
17824.52  642.3118258.86  644.8620365.92  641.85 20480.9  641.8520709.91  642.38
 21059.1  636.8222043.35  639.1122300.18  642.7423972.23  646.3724353.78  648.09
24776.03  652.0825425.08  662.5325648.57  663.6326760.58  663.6327394.51  657.26
27667.74  657.26 28240.5  653.6328477.67  651.5228648.84  651.0228788.54  648.21
28936.83  649.0929230.19  654.4729551.21  657.2730646.87  679.4531309.65  681.31
32275.45  728.6132417.82  729.0133033.47  692.52 33068.1  692.62 34658.2  748.04
35699.21   745.635896.23  747.1736247.34  764.5236288.71  765.0636594.61   762.7
36925.52  773.4137083.28  775.4837855.91     79038550.25  792.4138900.41     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516077.86     .1517040.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16077.8617040.07                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1500760.00   179582.70   1724726.00
  E.G. Slope (ft/ft)      0.000086    Area (sq ft)            1500760.00   179582.70   1724726.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3003177.00   538299.70   3188523.00
  Top Width (ft)          34837.89    Top Width (ft)          14762.03     962.21   19113.65
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            2.00       3.00       1.85
  Max Chl Dpth (ft)         192.09    Hydr. Depth (ft)          101.66     186.64      90.24
  Conv. Total (cfs)       725283300.0    Conv. (cfs)            323648400.0   58011860.0   343623000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14774.88     964.37   19121.96
  Min Ch El (ft)            567.80    Shear (lb/sq ft)            0.55       1.00       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.09       3.00       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    127577.10   21808.17   152500.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1162.31     105.85    1401.47


CROSS SECTION
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RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275824.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  185.22  792.91  602.61  777.84 1269.56  761.77 1437.38     755
 1705.41  747.71  1862.6  746.36 2191.29  746.36 2505.07  745.37 3347.81  719.16
  3415.2  715.68 3500.85  713.64 3511.47  713.54 3700.72  718.03 3869.54  716.36
 4003.73   714.6  4147.8  710.74 4499.98  702.26 4929.18   694.6 5248.61  693.28
 5386.06  691.86 5535.62  687.29 5599.97  683.25 5940.84  681.13 6269.23  681.67
  6401.7  682.72 6608.66  675.44 6765.18   671.8 6832.14  668.16 6878.22  668.16
 7019.66   670.7 7224.22  680.74 7283.44  679.15 7405.18  677.33 7746.91  665.66
 7791.96  666.22 7937.35  663.91    8213  643.73 8226.24  642.21 8388.65  634.49
 8519.08   633.7 8758.21  639.52 8922.56  638.52 9094.73  630.19 9269.84  627.17
 9405.49  612.94 9421.69  612.76 9506.04  605.48  9664.3  594.56 9718.21  594.56
 9757.73  597.88 9876.96  626.98 9978.21  635.4810342.97  632.3810491.74  624.76
10544.25  617.9510744.44  616.2510981.82  626.9611264.29  624.5611861.67  620.92
13237.47  620.9213463.91  614.5614046.01  614.5614493.83   618.214550.36  621.84
14826.93  619.2114833.49  612.7914933.83  611.3315553.83  593.6116081.65  587.28
 16136.4  582.5516329.17  578.6916378.91  574.0616457.18   567.816880.36   567.8
16964.61  572.6917045.39  587.2817133.88  609.3617152.83  611.8817390.69  636.72
17829.75  642.2818264.05  644.8220370.87   641.820485.84   641.820714.83  642.33
21063.98  636.7922048.12  639.0822304.92  642.72 23976.8  646.36 24358.3  648.09
 24780.5  652.0725429.48  662.5425652.95  663.6426764.84  663.64 27398.7  657.28
 27671.9  657.2828244.59  653.6428481.74  651.5328652.89  651.0128792.57   648.2
28940.85  649.0829234.18  654.4629555.16  657.26 30650.7  679.4331313.41  681.29
32279.11  728.5332421.46  728.9333037.04   692.533071.67   692.6 34661.6  747.95
35702.49  745.53 35899.5  747.1136250.57  764.4536291.93  764.99 36597.8  762.65
36928.67  773.3737086.41  775.4437858.96     79038553.23  792.4238903.34     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516081.65     .1517045.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16081.6517045.39                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1500810.00   179857.80   1725045.00
  E.G. Slope (ft/ft)      0.000086    Area (sq ft)            1500810.00   179857.80   1725045.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3002169.00   538980.00   3188852.00
  Top Width (ft)          34842.23    Top Width (ft)          14765.57     963.74   19112.92
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            2.00       3.00       1.85
  Max Chl Dpth (ft)         192.09    Hydr. Depth (ft)          101.64     186.62      90.26
  Conv. Total (cfs)       725451100.0    Conv. (cfs)            323614700.0   58098610.0   343737900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14778.42     965.90   19121.22
  Min Ch El (ft)            567.80    Shear (lb/sq ft)            0.55       1.00       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.09       3.00       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    127404.80   21787.54   152302.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1160.61     105.73    1399.28


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275821.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  185.26   792.9  602.75  777.83 1269.86  761.76 1437.72  754.99
 1705.82   747.7 1863.04  746.35 2191.81  746.35 2505.66  745.36  3348.6  719.18
 3416.01  715.69 3501.68  713.65  3512.3  713.54 3701.59  718.02 3870.46  716.35
 4004.68  714.59 4148.78  710.72 4501.04  702.24 4930.35  694.58 5249.84  693.27
 5387.33  691.84 5536.93  687.26 5601.29  683.21 5942.24  681.09 6270.71  681.65
 6403.21   682.7 6610.22   675.4 6766.78  671.75 6833.75   668.1 6879.85   668.1
 7021.31  670.65 7225.92  680.68 7285.16   679.1 7406.92   677.3 7748.74  665.67
  7793.8  666.24 7939.22  663.97 8214.94  643.82 8228.18   642.3 8390.63  634.56
 8521.09  633.77 8760.28  639.61 8924.67  638.61 9096.88  630.27 9272.03  627.25
  9407.7  613.03 9423.91  612.85 9508.28  605.55 9666.58   594.6  9720.5   594.6
 9760.03  597.93 9879.29  627.02 9980.56  635.5510345.41  632.4410494.22  624.83
10546.74  618.0310746.97  616.3310984.41  627.0111266.94   624.611864.47  620.95
13240.59  620.9513467.09   614.614049.32   614.614497.25  618.2514553.79   621.9
14830.43  619.2714836.99  612.8614937.35  611.39 15557.5  593.6416085.45   587.3
16140.33  582.5616333.59  578.7116383.45  574.0716461.91   567.816885.34   567.8
16969.76  572.6817050.71   587.317139.19  609.3617158.14  611.8717395.97  636.68
17834.98  642.2418269.23  644.7820375.83  641.7520490.78  641.7520719.75  642.28
21068.86  636.7522052.89  639.0522309.66   642.723981.36  646.3524362.82  648.08
24784.97  652.0725433.88  662.5525657.33  663.65 26769.1  663.6527402.89   657.3
27676.06   657.328248.69  653.6528485.81  651.5328656.94  651.0128796.61  648.19
28944.87  649.0729238.17  654.4529559.11  657.2630654.54   679.431317.17  681.27
32282.76  728.44 32425.1  728.8433040.62  692.4833075.24  692.58   34665  747.86
35705.78  745.4635902.76  747.0536253.79  764.3836295.15  764.9236600.98  762.61
36931.82  773.3237089.54   775.4   37862     790 38556.2  792.4338906.27     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516085.45     .1517050.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16085.4517050.71                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1500856.00   180132.00   1725387.00
  E.G. Slope (ft/ft)      0.000086    Area (sq ft)            1500856.00   180132.00   1725387.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3001109.00   539655.40   3189235.00
  Top Width (ft)          34846.74    Top Width (ft)          14769.29     965.26   19112.19
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            2.00       3.00       1.85
  Max Chl Dpth (ft)         192.09    Hydr. Depth (ft)          101.62     186.61      90.28
  Conv. Total (cfs)       725622500.0    Conv. (cfs)            323576900.0   58185160.0   343860400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14782.13     967.42   19120.47
  Min Ch El (ft)            567.80    Shear (lb/sq ft)            0.55       1.00       0.48
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  Alpha                        1.06    Stream Power (lb/ft s)       1.09       3.00       0.90
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    127232.50   21766.88   152104.40
  C & E Loss (ft)              0.00    Cum SA (acres)           1158.92     105.62    1397.08


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275819.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   185.3   792.9  602.89  777.82 1270.16  761.76 1438.06  754.98
 1706.22  747.69 1863.48  746.34 2192.33  746.34 2506.25  745.35 3349.39   719.2
 3416.82  715.71  3502.5  713.66 3513.13  713.55 3702.46  718.02 3871.37  716.34
 4005.62  714.58 4149.76  710.71  4502.1  702.22 4931.51  694.57 5251.08  693.25
  5388.6  691.83 5538.23  687.24 5602.61  683.18 5943.64  681.06 6272.19  681.63
 6404.72  682.68 6611.78  675.36 6768.37   671.7 6835.36  668.04 6881.47  668.04
 7022.97  670.59 7227.63  680.63 7286.87  679.05 7408.67  677.28 7750.57  665.67
 7795.64  666.26 7941.09  664.03 8216.87  643.91 8230.12  642.39 8392.61  634.63
  8523.1  633.84 8762.34  639.71 8926.77  638.71 9099.02  630.34 9274.21  627.32
 9409.92  613.12 9426.13  612.94 9510.52  605.62 9668.85  594.64 9722.79  594.64
 9762.33  597.98 9881.62  627.07 9982.91  635.6210347.85  632.5110496.69   624.9
10549.23  618.1110749.51   616.4   10987  627.05 11269.6  624.6411867.27  620.98
13243.72  620.9813470.26  614.6414052.64  614.6414500.67   618.314557.22  621.96
14833.92  619.3214840.49  612.9214940.88  611.4515561.17  593.6616089.24  587.32
16144.26  582.57   16338  578.7316387.99  574.0816466.64   567.816890.31   567.8
16974.91  572.6817056.02  587.3217144.49  609.3517163.45  611.8717401.25  636.65
17840.21  642.2118274.42  644.7320380.78   641.720495.73   641.720724.66  642.24
21073.74  636.7122057.67  639.0222314.41  642.6823985.92  646.3424367.34  648.08
24789.45  652.0725438.29  662.5725661.71  663.6626773.36  663.6627407.08  657.32
27680.22  657.3228252.79  653.6628489.88  651.53   28661  651.0128800.65  648.18
28948.89  649.0529242.16  654.4429563.06  657.2530658.37  679.3731320.94  681.24
32286.42  728.3532428.74  728.7633044.19  692.4633078.81  692.5634668.39  747.78
35709.06  745.3935906.02  746.9936257.02  764.3136298.37  764.8536604.17  762.56
36934.97  773.2737092.68  775.3637865.05     79038559.17  792.4338909.21     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516089.24     .1517056.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16089.2417056.02                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.89    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                       Flow Area (sq ft)       1500894.00   180405.00   1725724.00
  E.G. Slope (ft/ft)      0.000086     Area (sq ft)            1500894.00   180405.00   1725724.00
  Q Total (cfs)           6730000.00    Flow (cfs)              3000059.00   540327.40   3189613.00
  Top Width (ft)          34851.09     Top Width (ft)          14772.83     966.78   19111.48
  Vel Total (ft/s)            1.98     Avg. Vel. (ft/s)            2.00       3.00       1.85
  Max Chl Dpth (ft)         192.09     Hydr. Depth (ft)          101.60     186.60      90.30
  Conv. Total (cfs)       725791400.0    Conv. (cfs)            323538900.0   58271160.0   343981200.0
  Length Wtd. (ft)            5.00     Wetted Per. (ft)        14785.66     968.94   19119.74
  Min Ch El (ft)            567.80     Shear (lb/sq ft)            0.54       1.00       0.48
  Alpha                       1.06     Stream Power (lb/ft s)      1.09       2.99       0.90
  Frctn Loss (ft)             0.00     Cum Volume (acre-ft)    127060.30   21746.19   151906.30
  C & E Loss (ft)             0.00     Cum SA (acres)           1157.22     105.51    1394.89


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275816.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  185.35  792.89  603.03  777.81 1270.46  761.76  1438.4  754.97
 1706.62  747.69 1863.92  746.33 2192.84  746.33 2506.84  745.33 3350.18  719.21
 3417.62  715.72 3503.33  713.67 3513.95  713.56 3703.33  718.01 3872.28  716.33
 4006.56  714.56 4150.74  710.69 4503.16   702.2 4932.67  694.55 5252.32  693.23
 5389.87  691.81 5539.54  687.21 5603.93  683.14 5945.04  681.03 6273.67  681.61
 6406.23  682.66 6613.34  675.32 6769.97  671.65 6836.97  667.98 6883.09  667.98
 7024.62  670.54 7229.33  680.58 7288.59  679.01 7410.42  677.25  7752.4  665.68
 7797.47  666.27 7942.96  664.08 8218.81     644 8232.07  642.48 8394.59   634.7
 8525.11  633.91 8764.41   639.8 8928.87  638.81 9101.17  630.42  9276.4  627.39
 9412.14  613.21 9428.35  613.03 9512.76  605.69 9671.13  594.68 9725.08  594.68
 9764.63  598.03 9883.95  627.12 9985.27  635.6910350.29  632.5710499.17  624.96
10551.71  618.1810752.04  616.4710989.59   627.111272.26  624.6811870.07  621.01
13246.84  621.0113473.44  614.6814055.95  614.6814504.09  618.3514560.65  622.02
14837.42  619.3714843.99  612.98 14944.4  611.5115564.83  593.6916093.03  587.34
16148.19  582.5816342.41  578.7516392.52  574.0916471.38   567.816895.29   567.8
16980.06  572.6717061.34  587.34 17149.8  609.3517168.75  611.8717406.53  636.61
17845.45  642.17 18279.6  644.6920385.74  641.6520500.67  641.6520729.58  642.19
21078.62  636.6822062.44  638.9922319.15  642.6623990.48  646.3324371.86  648.07
24793.92  652.0625442.69  662.5825666.09  663.6726777.62  663.6727411.27  657.34
27684.38  657.3428256.88  653.6728493.95  651.5428665.05  651.0128804.68  648.16
28952.91  649.0429246.15  654.4429567.02  657.2430662.21  679.34 31324.7  681.22
32290.08  728.2732432.38  728.6733047.77  692.4433082.38  692.5434671.79  747.69
35712.34  745.3235909.28  746.9236260.24  764.2436301.59  764.7936607.36  762.51
36938.12  773.2337095.81  775.32 37868.1     79038562.15  792.4438912.14     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516093.03     .1517061.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16093.0317061.34                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.89    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                       Flow Area (sq ft)       1500951.00   180680.90   1726064.00
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```
  E.G. Slope (ft/ft)      0.000086    Area (sq ft)            1500951.00   180680.90   1726064.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2999040.00   541002.70   3189957.00
  Top Width (ft)          34855.47    Top Width (ft)          14776.37     968.31   19110.79
  Vel Total (ft/s)            1.97    Avg. Vel. (ft/s)            2.00       2.99       1.85
  Max Chl Dpth (ft)         192.09    Hydr. Depth (ft)          101.58     186.59      90.32
  Conv. Total (cfs)       725968700.0    Conv. (cfs)             323508000.0   58358250.0   344102400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14789.19     970.47   19119.04
  Min Ch El (ft)            567.80    Shear (lb/sq ft)            0.54       1.00       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.09       2.99       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    126888.00   21725.47   151708.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1155.53     105.40    1392.69


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275813.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  185.39  792.89  603.17  777.79 1270.76  761.76 1438.74  754.97
 1707.02  747.68 1864.36  746.32 2193.36  746.32 2507.43  745.32 3350.97  719.23
 3418.43  715.74 3504.15  713.68 3514.78  713.57 3704.21  718.01 3873.19  716.32
 4007.51  714.55 4151.72  710.67 4504.22  702.18 4933.83  694.54 5253.56  693.21
 5391.14  691.79 5540.84  687.18 5605.25   683.1 5946.44  680.99 6275.14  681.58
 6407.74  682.64 6614.89  675.28 6771.56   671.6 6838.58  667.92 6884.71  667.92
 7026.28  670.49 7231.03  680.52 7290.31  678.96 7412.16  677.22 7754.22  665.69
 7799.31  666.29 7944.84  664.14 8220.75  644.08 8234.01  642.57 8396.56  634.78
 8527.12  633.99 8766.48   639.9 8930.98   638.9 9103.31   630.5 9278.59  627.47
 9414.36   613.3 9430.58  613.12    9515  605.76 9673.41  594.72 9727.38  594.72
 9766.93  598.08 9886.28  627.16 9987.62  635.7610352.73  632.6310501.64  625.03
 10554.2  618.2610754.58  616.5410992.18  627.1411274.91  624.7211872.87  621.04
13249.96  621.0413476.61  614.7214059.26  614.7214507.51   618.414564.08  622.08
14840.92  619.4314847.49  613.0414947.92  611.57 15568.5  593.7116096.82  587.36
16152.12  582.5916346.83  578.7616397.06   574.116476.11   567.816900.27   567.8
16985.21  572.6717066.66  587.3617155.11  609.3517174.06  611.8717411.81  636.57
17850.68  642.1418284.78  644.6520390.69   641.620505.61   641.6 20734.5  642.14
 21083.5  636.6422067.21  638.96 22323.9  642.6423995.04  646.3224376.38  648.07
 24798.4  652.0625447.09  662.5925670.46  663.6826781.87  663.6827415.46  657.36
27688.54  657.3628260.98  653.6828498.02  651.54 28669.1  651.0128808.72  648.15
28956.93  649.0229250.14  654.4329570.97  657.2330666.04  679.3131328.46  681.19
32293.73  728.1832436.03  728.5933051.34  692.4233085.95  692.5234675.19   747.6
35715.63  745.2535912.54  746.8636263.46  764.17 36304.8  764.7236610.54  762.46
36941.27  773.1837098.94  775.2837871.15     79038565.12  792.4538915.08     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516096.82     .1517066.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16096.8217066.66                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1500998.00   180957.10   1726409.00
  E.G. Slope (ft/ft)      0.000086    Area (sq ft)            1500998.00   180957.10   1726409.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2997994.00   541680.10   3190326.00
  Top Width (ft)          34859.74    Top Width (ft)          14779.84     969.84   19110.07
  Vel Total (ft/s)            1.97    Avg. Vel. (ft/s)            2.00       2.99       1.85
  Max Chl Dpth (ft)         192.09    Hydr. Depth (ft)          101.56     186.58      90.34
  Conv. Total (cfs)       726146000.0    Conv. (cfs)             323474200.0   58445590.0   344226200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14792.66     972.00   19118.30
  Min Ch El (ft)            567.80    Shear (lb/sq ft)            0.54       1.00       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.09       2.99       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    126715.70   21704.71   151510.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1153.83     105.29    1390.50


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275810.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  185.43  792.88  603.32  777.78 1271.06  761.75 1439.08  754.96
 1707.43  747.67  1864.8  746.31 2193.88  746.31 2508.02  745.31 3351.76  719.25
 3419.23  715.76 3504.98  713.69 3515.61  713.58 3705.08     718 3874.11  716.31
 4008.45  714.53  4152.7  710.66 4505.28  702.16    4935  694.52  5254.8  693.19
 5392.41  691.77 5542.15  687.16 5606.57  683.07 5947.84  680.96 6276.62  681.56
 6409.25  682.62 6616.45  675.24 6773.16  671.55 6840.19  667.86 6886.33  667.86
 7027.93  670.44 7232.74  680.47 7292.03  678.92 7413.91   677.2 7756.05  665.69
 7801.15  666.31 7946.71   664.2 8222.68  644.17 8235.95  642.65 8398.54  634.85
 8529.13  634.06 8768.54  639.99 8933.08     639 9105.46  630.58 9280.77  627.54
 9416.58  613.39  9432.8  613.21 9517.25  605.83 9675.69  594.76 9729.67  594.76
 9769.23  598.13 9888.61  627.21 9989.97  635.8310355.17  632.6910504.12   625.1
10556.69  618.3410757.11  616.6110994.77  627.1911277.57  624.7611875.66  621.07
13253.08  621.0713479.79  614.7614062.58  614.7614510.93  618.4514567.52  622.14
14844.42  619.4814850.99  613.1114951.44  611.6315572.17  593.7416100.62  587.38
16156.05   582.616351.24  578.78 16401.6  574.1116480.85  567.7916905.25  567.79
16990.37  572.6717071.97  587.3817160.41  609.3517179.36  611.8617417.09  636.54
17855.91   642.118289.97  644.6120395.65  641.5520510.55  641.5520739.42  642.09
21088.38  636.6122071.98  638.9322328.64  642.6223999.61  646.31 24380.9  648.06
24802.87  652.06 25451.5   662.625674.84  663.6926786.13  663.6927419.64  657.38
 27692.7  657.3828265.08  653.6928502.09  651.5528673.15  651.0128812.76  648.14
28960.95  649.0129254.12  654.4229574.93  657.2330669.87  679.2831332.22  681.17
32297.39   728.132439.67   728.533054.91   692.433089.52   692.534678.59  747.51
35718.91  745.17 35915.8   746.836266.69   764.136308.03  764.6536613.73  762.42
36944.42  773.1437102.07  775.24 37874.2     79038568.09  792.4538918.02     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516100.62     .1517071.97     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      16100.6217071.97                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501037.00   181233.80   1726741.00
  E.G. Slope (ft/ft)      0.000086    Area (sq ft)            1501037.00   181233.80   1726741.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2996932.00   542373.30   3190695.00
  Top Width (ft)          34864.27    Top Width (ft)          14783.56     971.35   19109.35
  Vel Total (ft/s)            1.97    Avg. Vel. (ft/s)            2.00       2.99       1.85
  Max Chl Dpth (ft)         192.10    Hydr. Depth (ft)          101.53     186.58      90.36
  Conv. Total (cfs)       726313200.0    Conv. (cfs)             323434100.0   58533860.0   344345300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14796.38     973.52   19117.57
  Min Ch El (ft)            567.79    Shear (lb/sq ft)            0.54       1.00       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.09       2.99       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    126543.40   21683.92   151311.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1152.13     105.18    1388.31


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275807.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  185.48  792.88  603.46  777.77 1271.35  761.75 1439.42  754.95
 1707.83  747.67 1865.23   746.3 2194.39   746.3 2508.61   745.3 3352.55  719.27
 3420.04  715.77  3505.8   713.7 3516.44  713.59 3705.95  717.99 3875.02   716.3
  4009.4  714.52 4153.67  710.64 4506.34  702.14 4936.16  694.51 5256.03  693.17
 5393.68  691.75 5543.46  687.13 5607.89  683.03 5949.24  680.93  6278.1  681.54
 6410.76   682.6 6618.01   675.2 6774.75   671.5 6841.81   667.8 6887.96   667.8
 7029.59  670.38 7234.44  680.42 7293.75  678.87 7415.66  677.17 7757.88   665.7
 7802.99  666.33 7948.58  664.25 8224.62  644.26 8237.89  642.74 8400.52  634.92
 8531.14  634.13 8770.61  640.09 8935.19   639.1  9107.6  630.66 9282.96  627.62
  9418.8  613.48 9435.02   613.3 9519.49   605.9 9677.97   594.8 9731.96   594.8
 9771.54  598.17 9890.94  627.26 9992.33   635.910357.61  632.7510506.59  625.17
10559.17  618.4110759.64  616.6910997.36  627.2411280.23   624.811878.46   621.1
13256.21   621.113482.97   614.814065.89   614.814514.35   618.514570.95   622.2
14847.91  619.5314854.49  613.1714954.97  611.6915575.84  593.7616104.41   587.4
16159.98  582.6216355.65   578.816406.14  574.1216485.58  567.7916910.23  567.79
16995.52  572.6617077.29   587.417165.72  609.3517184.67  611.8617422.37   636.5
17861.14  642.0718295.15  644.57 20400.6   641.520515.49   641.520744.33  642.04
21093.26  636.5722076.75   638.922333.38   642.624004.17   646.324385.42  648.06
24807.35  652.05 25455.9  662.6125679.22   663.726790.39   663.727423.83   657.4
27696.86   657.428269.17   653.728506.16  651.5528677.21     65128816.79  648.12
28964.97  648.9929258.11  654.4229578.88  657.2230673.71  679.2531335.98  681.15
32301.05  728.0132443.31  728.4233058.49  692.3833093.09  692.4834681.98  747.42
 35722.2   745.135919.07  746.7336269.91  764.0336311.25  764.5836616.91  762.37
36947.57  773.0937105.21   775.237877.25     79038571.07  792.4638920.95     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516104.41    .1517077.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16104.4117077.29                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.95    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501080.00   181508.00   1727087.00
  E.G. Slope (ft/ft)      0.000086    Area (sq ft)            1501080.00   181508.00   1727087.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2995884.00   543042.90   3191073.00
  Top Width (ft)          34868.66    Top Width (ft)          14787.11     972.88   19108.68
  Vel Total (ft/s)            1.97    Avg. Vel. (ft/s)            2.00       2.99       1.85
  Max Chl Dpth (ft)         192.10    Hydr. Depth (ft)          101.51     186.57      90.38
  Conv. Total (cfs)       726486700.0    Conv. (cfs)             323398200.0   58620130.0   344468400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14799.92     975.05   19116.88
  Min Ch El (ft)            567.79    Shear (lb/sq ft)            0.54       1.00       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.08       2.98       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    126371.10   21663.11   151113.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1150.44     105.07    1386.11


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275804.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  185.52  792.87   603.6  777.76 1271.65  761.75 1439.76  754.94
 1708.23  747.66 1865.67  746.29 2194.91  746.29  2509.2  745.28 3353.34  719.28
 3420.84  715.79 3506.63  713.71 3517.27   713.6 3706.83  717.99 3875.93  716.29
 4010.34   714.5 4154.65  710.62 4507.41  702.12 4937.32  694.49 5257.27  693.16
 5394.95  691.73 5544.76   687.1 5609.22  682.99 5950.65  680.89 6279.58  681.51
 6412.27  682.58 6619.57  675.16 6776.35  671.45 6843.42  667.74 6889.58  667.74
 7031.25  670.33 7236.15  680.37 7295.46  678.83  7417.4  677.14 7759.71  665.71
 7804.82  666.34 7950.45  664.31 8226.56  644.35 8239.83  642.83  8402.5  634.99
 8533.15   634.2 8772.67  640.18 8937.29  639.19 9109.75  630.74 9285.14  627.69
 9421.01  613.57 9437.24  613.39 9521.73  605.97 9680.25  594.84 9734.25  594.84
 9773.84  598.22 9893.27   627.3 9994.68  635.9710360.05  632.8110509.07  625.24
10561.66  618.4910762.18  616.7610999.95  627.2811282.88  624.8411881.26  621.13
13259.33  621.1313486.14  614.84 14069.2  614.8414517.76  618.5514574.38  622.26
14851.41  619.5814857.98  613.2314958.49  611.7515579.51  593.79 16108.2  587.42
16163.91  582.6316360.07  578.8216410.67  574.1216490.31  567.7916915.21  567.79
17000.67  572.6617082.61  587.4217171.03  609.3517189.97  611.8617427.65  636.46
17866.37  642.0318300.34  644.5320405.55  641.4520520.44  641.4520749.25  641.99
21098.13  636.5322081.53  638.8722338.13  642.5824008.73  646.2924389.94  648.05
24811.82  652.05 25460.3  662.62 25683.6  663.7126794.65  663.7127428.02  657.42
27701.01  657.4228273.27  653.7128510.23  651.5628681.26     65128820.83  648.11
28968.99  648.98 29262.1  654.4129582.83  657.2130677.54  679.2231339.75  681.12
32304.71  727.9232446.95  728.3333062.06  692.3633096.66  692.4634685.38  747.33
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35725.48  745.0335922.33  746.6736273.14  763.9636314.46  764.51 36620.1  762.32
36950.72  773.0537108.34  775.16 37880.3     79038574.04  792.4738923.89     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 16108.2     .1517082.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       16108.217082.61                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.95    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501141.00   181783.70   1727440.00
  E.G. Slope (ft/ft)      0.000086    Area (sq ft)            1501141.00   181783.70   1727440.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2994852.00   543711.10   3191437.00
  Top Width (ft)          34873.01    Top Width (ft)          14790.64     974.41   19107.96
  Vel Total (ft/s)            1.97    Avg. Vel. (ft/s)            2.00       2.99       1.85
  Max Chl Dpth (ft)         192.10    Hydr. Depth (ft)          101.49     186.56      90.40
  Conv. Total (cfs)       726670500.0    Conv. (cfs)            323368600.0   58707100.0   344594800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14803.44     976.58   19116.14
  Min Ch El (ft)            567.79    Shear (lb/sq ft)            0.54       1.00       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.08       2.98       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    126198.80   21642.26   150915.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1148.74     104.96    1383.92


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275801.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  185.57  792.87  603.74  777.74 1271.95  761.74  1440.1  754.93
 1708.63  747.66 1866.11  746.28 2195.43  746.28 2509.79  745.27 3354.12   719.3
 3421.65   715.8 3507.46  713.72 3518.09  713.61  3707.7  717.98 3876.85  716.28
 4011.29  714.49 4155.63   710.6 4508.47  702.11 4938.48  694.48 5258.51  693.14
 5396.22  691.71 5546.07  687.07 5610.54  682.96 5952.05  680.86 6281.06  681.49
 6413.78  682.56 6621.13  675.12 6777.95   671.4 6845.03  667.68  6891.2  667.68
  7032.9  670.28 7237.85  680.31 7297.18  678.78 7419.15  677.11 7761.53  665.71
 7806.66  666.36 7952.33  664.37  8228.5  644.44 8241.77  642.92 8404.48  635.06
 8535.16  634.28 8774.74  640.28  8939.4  639.29 9111.89  630.81 9287.33  627.77
 9423.23  613.66 9439.47  613.48 9523.97  606.04 9682.53  594.88 9736.55  594.88
 9776.14  598.27  9895.6  627.35 9997.03  636.0410362.49  632.8710511.54   625.3
10564.15  618.5710764.71  616.8311002.54  627.3311285.54  624.8811884.06  621.16
13262.45  621.1613489.32  614.8814072.51  614.8814521.18   618.614577.81  622.32
14854.91  619.6414861.48  613.2914962.01  611.8215583.18  593.82   16112  587.44
16167.84  582.6416364.48  578.8416415.21  574.1316495.05  567.7916920.19  567.79
17005.82  572.6517087.92  587.4417176.34  609.3417195.28  611.8517432.93  636.43
 17871.6     64218305.52  644.4820410.51   641.420525.38   641.420754.17  641.95
21103.01   636.5 22086.3  638.8422342.87  642.5624013.29  646.2824394.46  648.05
24816.29  652.0525464.71  662.6425687.98  663.72 26798.9  663.7227432.21  657.44
27705.17  657.4428277.37  653.72 28514.3  651.5628685.31     65128824.87   648.1
28973.02  648.9729266.09   654.429586.79   657.230681.38  679.1931343.51   681.1
32308.36  727.8432450.59  728.2533065.64  692.3433100.23  692.4334688.78  747.25
35728.76  744.9635925.59  746.6136276.36  763.8936317.68  764.4436623.29  762.27
36953.87     77337111.47  775.1237883.35     79038577.01  792.4738926.82     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   16112     .1517087.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         1611217087.92                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.95    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501170.00   182055.90   1727764.00
  E.G. Slope (ft/ft)      0.000086    Area (sq ft)            1501170.00   182055.90   1727764.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2993792.00   544387.90   3191820.00
  Top Width (ft)          34877.53    Top Width (ft)          14794.37     975.92   19107.24
  Vel Total (ft/s)            1.97    Avg. Vel. (ft/s)            1.99       2.99       1.85
  Max Chl Dpth (ft)         192.10    Hydr. Depth (ft)          101.47     186.55      90.42
  Conv. Total (cfs)       726828900.0    Conv. (cfs)            323324600.0   58793000.0   344711300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14807.17     978.09   19115.42
  Min Ch El (ft)            567.79    Shear (lb/sq ft)            0.54       1.00       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.08       2.98       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    126026.50   21621.38   150717.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1147.04     104.84    1381.73


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275798.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  185.61  792.87  603.88  777.73 1272.25  761.74 1440.43  754.93
 1709.03  747.65 1866.55  746.27 2195.94  746.27 2510.38  745.26 3354.91  719.32
 3422.45  715.82 3508.28  713.73 3518.92  713.62 3708.57  717.98 3877.76  716.27
 4012.23  714.47 4156.61  710.59 4509.53  702.09 4939.65  694.46 5259.75  693.12
 5397.49   691.7 5547.37  687.05 5611.86  682.92 5953.45  680.83 6282.54  681.47
 6415.29  682.54 6622.69  675.08 6779.54  671.35 6846.64  667.62 6892.82  667.62
 7034.56  670.22 7239.55  680.26  7298.9  678.73  7420.9  677.09 7763.36  665.72
  7808.5  666.38  7954.2  664.42 8230.43  644.53 8243.71  643.01 8406.46  635.13
 8537.17  634.35  8776.8  640.37  8941.5  639.39 9114.04  630.89 9289.52  627.84
 9425.45  613.75 9441.69  613.57 9526.21  606.11 9684.81  594.92 9738.84  594.92
 9778.44  598.32 9897.93   627.4 9999.39  636.1110364.93  632.9410514.01  625.37
10566.63  618.6410767.25   616.911005.13  627.38 11288.2  624.9211886.85  621.19
13265.57  621.1913492.49  614.9214075.83  614.92 14524.6  618.6514581.24  622.38
 14858.4  619.6914864.98  613.3614965.53  611.8815586.85  593.8416115.79  587.46
```

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16171.77  582.6516368.89  578.8516419.75  574.1416499.78  567.7916925.17  567.79
17010.97  572.6517093.24  587.4617181.64  609.3417200.58  611.8517438.21  636.39
17876.84  641.9618310.71  644.4420415.46  641.3520530.32  641.3520759.08   641.9
21107.89  636.4622091.07  638.8122347.62  642.5424017.85  646.2724398.98  648.04
24820.77  652.0425469.11  662.6525692.36  663.7326803.16  663.73 27436.4  657.46
27709.33  657.4628281.46  653.7328518.38  651.5628689.36     651 28828.9  648.09
28977.04  648.9529270.08   654.429590.74   657.230685.21  679.1631347.27  681.08
32312.02  727.7532454.23  728.1633069.21  692.31 33103.8  692.4134692.18  747.16
35732.05  744.8935928.86  746.5436279.59  763.82 36320.9  764.3736626.47  762.23
36957.02  772.9537114.61  775.0837886.39     79038579.98  792.4838929.75     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516115.79     .1517093.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16115.7917093.24                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.95    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501209.00   182332.10   1728115.00
  E.G. Slope (ft/ft)      0.000086    Area (sq ft)            1501209.00   182332.10   1728115.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2992733.00   545064.10   3192203.00
  Top Width (ft)          34881.86    Top Width (ft)          14797.84     977.45   19106.57
  Vel Total (ft/s)            1.97    Avg. Vel. (ft/s)            1.99       2.99       1.85
  Max Chl Dpth (ft)         192.10    Hydr. Depth (ft)          101.45     186.54      90.45
  Conv. Total (cfs)       727005100.0    Conv. (cfs)            323288500.0   58880300.0   344836200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14810.63     979.62   19114.73
  Min Ch El (ft)            567.79    Shear (lb/sq ft)            0.54       1.00       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.08       2.98       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    125854.20   21600.46   150518.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1145.34     104.73    1379.53


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275795.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  185.65  792.86  604.03  777.72 1272.55  761.74 1440.77  754.92
 1709.44  747.64 1866.99  746.26 2196.46  746.26 2510.97  745.25  3355.7  719.33
 3423.26  715.83 3509.11  713.74 3519.75  713.63 3709.44  717.97 3878.67  716.26
 4013.17  714.46 4157.59  710.57 4510.59  702.07 4940.81  694.45 5260.99   693.1
 5398.76  691.68 5548.68  687.02 5613.18  682.88 5954.85  680.79 6284.02  681.44
  6416.8  682.52 6624.25  675.04 6781.14   671.3 6848.25  667.56 6894.45  667.56
 7036.21  670.17 7241.26  680.21 7300.62  678.69 7422.64  677.06 7765.19  665.73
 7810.34  666.39 7956.07  664.48 8232.37  644.61 8245.65   643.1 8408.44  635.21
 8539.18  634.42 8778.87  640.47 8943.61  639.48 9116.18  630.97  9291.7  627.92
 9427.67  613.85 9443.91  613.66 9528.46  606.18 9687.09  594.96 9741.13  594.96
 9780.74  598.37 9900.26  627.4410001.74  636.1810367.37     63310516.49  625.44
10569.12  618.7210769.78  616.9811007.72  627.4211290.85  624.9611889.65  621.22
13268.69  621.2213495.67  614.9614079.14  614.9614528.02   618.714584.67  622.44
 14861.9  619.7414868.48  613.4214969.05  611.9415590.51  593.8716119.58  587.48
 16175.7  582.6616373.31  578.8716424.29  574.1516504.52  567.7916930.15  567.79
17016.12  572.6417098.56  587.4817186.95  609.3417205.89  611.8517443.48  636.35
17882.07  641.9318315.89   644.420420.42   641.320535.26   641.3   20764  641.85
21112.77  636.4222095.84  638.7822352.36  642.5224022.41  646.26 24403.5  648.04
24825.24  652.0425473.51  662.6625696.74  663.7426807.42  663.7427440.59  657.48
27713.49  657.4828285.56  653.7428522.45  651.5728693.41     65128832.94  648.07
28981.06  648.9429274.07  654.39 29594.7  657.1930689.04  679.1431351.03  681.05
32315.68  727.6632457.87  728.0733072.79  692.2933107.37  692.3934695.57  747.07
35735.33  744.8235932.12  746.4836282.81  763.7536324.12   764.336629.66  762.18
36960.17  772.9137117.74  775.0437889.45     79038582.96  792.4938932.69     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516119.58     .1517098.56     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16119.5817098.56                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.95    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501258.00   182607.70   1728453.00
  E.G. Slope (ft/ft)      0.000086    Area (sq ft)            1501258.00   182607.70   1728453.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2991702.00   545738.30   3192561.00
  Top Width (ft)          34886.20    Top Width (ft)          14801.37     978.98   19105.85
  Vel Total (ft/s)            1.97    Avg. Vel. (ft/s)            1.99       2.99       1.85
  Max Chl Dpth (ft)         192.10    Hydr. Depth (ft)          101.43     186.53      90.47
  Conv. Total (cfs)       727179100.0    Conv. (cfs)            323254500.0   58967230.0   344957400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14814.16     981.15   19113.99
  Min Ch El (ft)            567.79    Shear (lb/sq ft)            0.54       1.00       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.08       2.97       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    125681.90   21579.52   150320.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1143.65     104.62    1377.34


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275792.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   185.7  792.86  604.17  777.71 1272.85  761.74 1441.11  754.91
 1709.84  747.64 1867.43  746.25 2196.98  746.25 2511.57  745.23 3356.49  719.35
 3424.06  715.85 3509.93  713.75 3520.58  713.64 3710.32  717.97 3879.58  716.25
 4014.12  714.44 4158.56  710.55 4511.65  702.05 4941.97  694.43 5262.22  693.08
 5400.03  691.66 5549.98  686.99  5614.5  682.85 5956.25  680.76  6285.5  681.42
 6418.31   682.5 6625.81     675 6782.73  671.25 6849.86   667.5 6896.07   667.5
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 7037.87  670.12 7242.96  680.15 7302.34  678.64 7424.39  677.03 7767.01  665.73
 7812.18  666.41 7957.94  664.54 8234.31   644.7 8247.59  643.18 8410.41  635.28
 8541.19   634.5 8780.94  640.56 8945.71  639.58 9118.33  631.05 9293.89  627.99
 9429.89  613.94 9446.13  613.75  9530.7  606.25 9689.37     595 9743.42     595
 9783.04  598.42 9902.59  627.4910004.09  636.2510369.81  633.0610518.96  625.51
10571.61   618.810772.31  617.0511010.31  627.4711293.51     62511892.45  621.25
13271.82  621.2513498.84     61514082.45     61514531.44  618.7514588.11   622.5
 14865.4   619.814871.98  613.4814972.58     61215594.18  593.8916123.38   587.5
16179.63  582.6716377.72  578.8916428.83  574.1616509.25  567.7916935.12  567.79
17021.28  572.6417103.88   587.517192.26  609.3417211.19  611.8517448.76  636.32
 17887.3  641.8918321.07  644.3620425.38  641.2520540.21  641.2520768.92   641.8
21117.65  636.3922100.61  638.75 22357.1   642.524026.97  646.2524408.02  648.03
24829.71  652.0425477.92  662.6725701.12  663.7526811.68  663.7527444.78   657.5
27717.65   657.528289.66  653.7528526.52  651.5728697.46     65128836.98  648.06
28985.08  648.9229278.06  654.3829598.65  657.1830692.88  679.1131354.79  681.03
32319.33  727.5832461.51  727.9933076.36  692.2733110.95  692.3734698.97  746.98
35738.61  744.7435935.38  746.4236286.04  763.6836327.34  764.2436632.84  762.13
36963.32  772.8637120.87     77537892.49     79038585.93  792.4938935.62     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516123.38     .1517103.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16123.3817103.88                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.95    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501309.00   182880.90   1728789.00
  E.G. Slope (ft/ft)      0.000086    Area (sq ft)            1501309.00   182880.90   1728789.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2990681.00   546404.40   3192915.00
  Top Width (ft)          34890.55    Top Width (ft)          14804.92     980.50   19105.13
  Vel Total (ft/s)            1.97    Avg. Vel. (ft/s)            1.99       2.99       1.85
  Max Chl Dpth (ft)         192.10    Hydr. Depth (ft)          101.41     186.52      90.49
  Conv. Total (cfs)       727352500.0    Conv. (cfs)            323221200.0   59053290.0   345078000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14817.70     982.68   19113.26
  Min Ch El (ft)            567.79    Shear (lb/sq ft)            0.54       0.99       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.08       2.97       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    125509.50   21558.54   150121.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1141.95     104.51    1375.15


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275789.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  185.74  792.85  604.31   777.7 1273.15  761.73 1441.45   754.9
 1710.24  747.63 1867.87  746.24 2197.49  746.24 2512.16  745.22 3357.28  719.37
 3424.87  715.86 3510.76  713.76 3521.41  713.65 3711.19  717.96  3880.5  716.24
 4015.06  714.43 4159.54  710.54 4512.71  702.03 4943.13  694.42 5263.46  693.06
  5401.3  691.64 5551.29  686.97 5615.82  682.81 5957.65  680.73 6286.97   681.4
 6419.82  682.48 6627.36  674.96 6784.33   671.2 6851.47  667.44 6897.69  667.44
 7039.52  670.06 7244.66   680.1 7304.05   678.6 7426.14     677 7768.84  665.74
 7814.01  666.43 7959.81  664.59 8236.24  644.79 8249.53  643.27 8412.39  635.35
  8543.2  634.57    8783  640.66 8947.81  639.68 9120.47  631.13 9296.08  628.07
 9432.11  614.03 9448.35  613.84 9532.94  606.32 9691.65  595.04 9745.71  595.04
 9785.34  598.47 9904.92  627.5410006.45  636.3210372.25  633.1210521.44  625.58
10574.09  618.8810774.85  617.12 11012.9  627.5211296.17  625.0411895.25  621.28
13274.94  621.2813502.02  615.0414085.77  615.0414534.86   618.814591.54  622.56
 14868.9  619.8514875.48  613.54 14976.1  612.0615597.85  593.9216127.17  587.52
16183.56  582.6916382.13  578.9116433.36  574.1716513.98  567.79 16940.1  567.79
17026.43  572.6417109.19  587.5217197.57  609.34 17216.5  611.8417454.04  636.28
17892.53  641.8618326.26  644.3220430.33   641.220545.15   641.220773.84  641.75
21122.53  636.3522105.38  638.7222361.85  642.4824031.54  646.2424412.54  648.02
24834.19  652.0325482.32  662.68 25705.5  663.7626815.94  663.7627448.96  657.52
27721.81  657.5228293.75  653.7628530.59  651.5828701.52  650.9928841.02  648.05
 28989.1  648.9129282.04  654.37 29602.6  657.1730696.71  679.0831358.56     681
32322.99  727.4932465.16   727.933079.93  692.2533114.52  692.3534702.37  746.89
 35741.9  744.6735938.64  746.3636289.26  763.6136330.56  764.1736636.03  762.08
36966.47  772.82   37124  774.9637895.54     79038588.91   792.538938.56     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516127.17     .1517109.19     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16127.1717109.19                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.95    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501343.00   183152.40   1729148.00
  E.G. Slope (ft/ft)      0.000086    Area (sq ft)            1501343.00   183152.40   1729148.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2989589.00   547063.90   3193347.00
  Top Width (ft)          34895.08    Top Width (ft)          14808.63     982.02   19104.42
  Vel Total (ft/s)            1.97    Avg. Vel. (ft/s)            1.99       2.99       1.85
  Max Chl Dpth (ft)         192.10    Hydr. Depth (ft)          101.38     186.51      90.51
  Conv. Total (cfs)       727524600.0    Conv. (cfs)            323179700.0   59138550.0   345206300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14821.41     984.20   19112.54
  Min Ch El (ft)            567.79    Shear (lb/sq ft)            0.54       0.99       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.08       2.97       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    125337.20   21537.53   149923.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1140.25     104.39    1372.96


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275786.*

INPUT
Description:
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```
Station Elevation Data     num=      120
     Sta     Elev      Sta     Elev      Sta     Elev      Sta     Elev      Sta     Elev
       0      800   185.78   792.85   604.45   777.68  1273.45   761.73  1441.79    754.9
 1710.64   747.62  1868.31   746.23  2198.01   746.23  2512.75   745.21  3358.07   719.39
 3425.68   715.88  3511.58   713.77  3522.24   713.66  3712.06   717.96  3881.41   716.23
 4016.01   714.41  4160.52   710.52  4513.77   702.01   4944.3    694.4   5264.7   693.04
 5402.57   691.62   5552.6   686.94  5617.14   682.78  5959.05   680.69  6288.45   681.38
 6421.33   682.46  6628.92   674.92  6785.92   671.15  6853.09   667.38  6899.31   667.38
 7041.18   670.01  7246.37   680.05  7305.77   678.55  7427.88   676.98  7770.67   665.75
 7815.85   666.45  7961.69   664.65  8238.18   644.88  8251.47   643.36  8414.37   635.42
 8545.21   634.64  8785.07   640.75  8949.92   639.77  9122.62   631.21  9298.26   628.14
 9434.32   614.12  9450.58   613.93  9535.18   606.39  9693.93   595.08  9748.01   595.08
 9787.65   598.52  9907.25   627.58 10008.8   636.3910374.68   633.1810523.91   625.64
10576.58   618.9510777.38   617.1911015.49   627.5611298.82   625.0811898.04   621.31
13278.06   621.3113505.19   615.0814089.08   615.0814538.28   618.8514594.97   622.62
14872.39    619.914878.98   613.6114979.62   612.1215601.52   593.9416130.96   587.54
16187.49    582.716386.55   578.92 16437.9   574.1816518.72   567.7916945.08   567.79
17031.58   572.6317114.51   587.5417202.87   609.33 17221.8   611.8417459.32   636.24
17897.76   641.8218331.44   644.2820435.28   641.1520550.09   641.1520778.75    641.7
21127.41   636.3222110.16   638.6922366.59   642.46 24036.1   646.2324417.06   648.02
24838.66   652.0325486.72   662.6925709.88   663.7726820.19   663.7727453.15   657.54
27725.97   657.5428297.85   653.7728534.66   651.5828705.57   650.9928845.05   648.03
28993.12   648.8929286.04   654.3729606.56   657.1730700.55   679.0531362.32   680.98
32326.65    727.4 32468.8   727.8233083.51   692.2333118.09   692.3334705.76   746.81
35745.18    744.635941.91   746.2936292.48   763.5436333.78    764.136639.21   762.03
36969.62   772.7737127.14   774.9237898.59      79038591.88   792.51 38941.5      800

Manning's n Values         num=        3
     Sta    n Val      Sta    n Val      Sta    n Val
       0      .1516130.96      .1517114.51      .15

Bank Sta: Left   Right     Lengths: Left Channel   Right      Coeff Contr.   Expan.
      16130.9617114.51                 5        5        5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.95    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1501394.00   183429.20   1729465.00
  E.G. Slope (ft/ft)      0.000086    Area (sq ft)             1501394.00   183429.20   1729465.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2988599.00   547746.60   3193655.00
  Top Width (ft)          34899.40    Top Width (ft)           14812.10     983.55   19103.74
  Vel Total (ft/s)            1.97    Avg. Vel. (ft/s)             1.99       2.99       1.85
  Max Chl Dpth (ft)         192.10    Hydr. Depth (ft)           101.36     186.50      90.53
  Conv. Total (cfs)       727694000.0    Conv. (cfs)             323147900.0   59226140.0   345319900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         14824.86     985.73   19111.84
  Min Ch El (ft)            567.79    Shear (lb/sq ft)             0.54       0.99       0.48
  Alpha                       1.06    Stream Power (lb/ft s)       1.08       2.97       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     125164.90   21516.49   149725.00
  C & E Loss (ft)             0.00    Cum SA (acres)            1138.55     104.28    1370.76


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS        RS: 275784.*

INPUT
Description:
Station Elevation Data     num=      120
     Sta     Elev      Sta     Elev      Sta     Elev      Sta     Elev      Sta     Elev
       0      800   185.83   792.84   604.6   777.67  1273.75   761.73  1442.13   754.89
 1711.05   747.62  1868.75   746.22  2198.53   746.22  2513.34   745.19  3358.86    719.4
 3426.48    715.9  3512.41   713.78  3523.06   713.67  3712.94   717.95  3882.32   716.22
 4016.95    714.4   4161.5    710.5  4514.83   701.99  4945.46   694.39  5265.94   693.03
 5403.84    691.6   5553.9   686.91  5618.46   682.74  5960.45   680.66  6289.93   681.35
 6422.84   682.44  6630.48   674.88  6787.52    671.1   6854.7   667.32  6900.94   667.32
 7042.83   669.96  7248.07      680  7307.49    678.5  7429.63   676.95   7772.5   665.75
 7817.69   666.46  7963.56   664.71  8240.12   644.97  8253.41   643.45  8416.35   635.49
 8547.21   634.71  8787.13   640.85  8952.02   639.87  9124.76   631.28  9300.45   628.22
 9436.54   614.21   9452.8   614.02  9537.42   606.46  9696.21   595.12   9750.3   595.12
 9789.95   598.57  9909.58   627.6310011.16   636.4610377.12   633.2410526.39   625.71
10579.07   619.0310779.92   617.2611018.08   627.6111301.48   625.1211900.84   621.34
13281.18   621.3413508.37   615.1214092.39   615.1214541.69    618.9 14598.4   622.68
14875.89   619.9514882.47   613.6714983.14   612.1815605.19   593.9716134.75   587.56
16191.42   582.7116390.96   578.9416442.44   574.1916523.45   567.7816950.06   567.78
17036.73   572.6317119.83   587.5617208.18   609.3317227.11   611.84 17464.6   636.21
17902.99   641.7918336.62   644.2320440.24    641.120555.03    641.120783.67   641.65
21132.29   636.2822114.93   638.6622371.33   642.4424040.66   646.2224421.58   648.01
24843.14   652.0325491.13   662.7125714.25   663.7826824.45   663.7827457.34   657.56
27730.13   657.5628301.95   653.7828538.73   651.5828709.62   650.9928849.09   648.02
28997.14   648.8829290.02   654.3629610.51   657.1630704.38   679.0231366.08   680.96
 32330.3   727.3232472.44   727.7333087.08   692.2133121.66   692.3134709.16   746.72
35748.46   744.5335945.17   746.2336295.71   763.47    36337   764.03 36642.4   761.99
36972.77   772.7337130.27   774.8837901.64      79038594.85   792.5138944.43      800

Manning's n Values         num=        3
     Sta    n Val      Sta    n Val      Sta    n Val
       0      .1516134.75      .1517119.83      .15

Bank Sta: Left   Right     Lengths: Left Channel   Right      Coeff Contr.   Expan.
      16134.7517119.83                 5        5        5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.95    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1501441.00   183709.10   1729807.00
  E.G. Slope (ft/ft)      0.000085    Area (sq ft)             1501441.00   183709.10   1729807.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2987551.00   548437.90   3194011.00
  Top Width (ft)          34903.75    Top Width (ft)           14815.64     985.08   19103.03
  Vel Total (ft/s)            1.97    Avg. Vel. (ft/s)             1.99       2.99       1.85
  Max Chl Dpth (ft)         192.11    Hydr. Depth (ft)           101.34     186.49      90.55
  Conv. Total (cfs)       727871300.0    Conv. (cfs)             323113300.0   59315340.0   345442700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         14828.40     987.26   19111.12
  Min Ch El (ft)            567.78    Shear (lb/sq ft)             0.54       0.99       0.48
  Alpha                       1.06    Stream Power (lb/ft s)       1.08       2.96       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     124992.50   21495.42   149526.50
  C & E Loss (ft)             0.00    Cum SA (acres)            1136.85     104.17    1368.57
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CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275781.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  185.87  792.84  604.74  777.66 1274.05  761.73 1442.47  754.88
 1711.45  747.61 1869.19  746.21 2199.04  746.21 2513.93  745.18 3359.65  719.42
 3427.29  715.91 3513.24  713.79 3523.89  713.68 3713.81  717.95 3883.23  716.21
  4017.9  714.38 4162.48  710.49  4515.9  701.97 4946.62  694.37 5267.18  693.01
 5405.11  691.58 5555.21  686.88 5619.78   682.7 5961.86  680.63 6291.41  681.33
 6424.35  682.42 6632.04  674.84 6789.12  671.05 6856.31  667.26 6902.56  667.26
 7044.49  669.91 7249.78  679.94 7309.21  678.46 7431.38  676.92 7774.32  665.76
 7819.53  666.48 7965.43  664.77 8242.06  645.06 8255.35  643.54 8418.33  635.56
 8549.22  634.79  8789.2  640.94 8954.13  639.97 9126.91  631.36 9302.64  628.29
 9438.76   614.3 9455.02  614.11 9539.67  606.53 9698.49  595.16 9752.59  595.16
 9792.25  598.62 9911.91  627.6810013.51  636.5310379.56  633.3110528.86  625.78
10581.56  619.1110782.45  617.3411020.67  627.6611304.14  625.1611903.64  621.37
 13284.3  621.3713511.55  615.16 14095.7  615.1614545.11  618.9514601.83  622.74
14879.39  620.0114885.97  613.7314986.67  612.2415608.86     59416138.55  587.58
16195.35  582.7216395.37  578.9616446.98   574.216528.19  567.7816955.04  567.78
17041.88  572.6217125.14  587.5817213.49  609.3317232.41  611.8317469.88  636.17
17908.22  641.7518341.81  644.1920445.19  641.0520559.97  641.0520788.59  641.61
21137.17  636.24 22119.7  638.6322376.08  642.4224045.22  646.21 24426.1  648.01
24847.61  652.0325495.53  662.7225718.63  663.7926828.71  663.7927461.53  657.58
27734.29  657.5828306.04  653.79 28542.8  651.5928713.67  650.9928853.13  648.01
29001.16  648.8729294.01  654.3529614.46  657.1530708.22  678.9931369.84  680.93
32333.96  727.2332476.08  727.6533090.66  692.1933125.23  692.2934712.56  746.63
35751.75  744.4635948.43  746.1736298.93  763.3936340.22  763.9636645.59  761.94
36975.92  772.6837133.41  774.8437904.69     79038597.82  792.5238947.36     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516138.55     .1517125.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16138.5517125.14                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.95    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501473.00   183981.20   1730154.00
  E.G. Slope (ft/ft)      0.000085    Area (sq ft)            1501473.00   183981.20   1730154.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2986492.00   549104.60   3194404.00
  Top Width (ft)          34908.26    Top Width (ft)          14819.18     986.59   19102.48
  Vel Total (ft/s)            1.97    Avg. Vel. (ft/s)            1.99       2.98       1.85
  Max Chl Dpth (ft)         192.11    Hydr. Depth (ft)          101.32     186.48      90.57
  Conv. Total (cfs)       728039300.0    Conv. (cfs)            323073300.0   59401150.0   345564800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14831.95     988.77   19110.55
  Min Ch El (ft)            567.78    Shear (lb/sq ft)            0.54       0.99       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.07       2.96       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    124820.20   21474.32   149327.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1135.15     104.06    1366.38


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275778.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  185.92  792.83  604.88  777.65 1274.35  761.72 1442.81  754.87
 1711.85   747.6 1869.63   746.2 2199.56   746.2 2514.52  745.17 3360.44  719.44
 3428.09  715.93 3514.06   713.8 3524.72  713.69 3714.68  717.94 3884.15   716.2
 4018.84  714.37 4163.46  710.47 4516.96  701.95 4947.78  694.36 5268.41  692.99
 5406.38  691.57 5556.51  686.86  5621.1  682.67 5963.26  680.59 6292.89  681.31
 6425.86   682.4  6633.6   674.8 6790.71     671 6857.92   667.2 6904.18   667.2
 7046.15  669.85 7251.48  679.89 7310.92  678.41 7433.12   676.9 7776.15  665.77
 7821.37   666.5  7967.3  664.82 8243.99  645.15 8257.29  643.63 8420.31  635.64
 8551.23  634.86 8791.26  641.04 8956.23  640.06 9129.05  631.44 9304.82  628.36
 9440.98  614.39 9457.24   614.2 9541.91   606.6 9700.77   595.2 9754.88   595.2
 9794.55  598.67 9914.24  627.7210015.86   636.6   10382  633.3710531.34  625.85
10584.04  619.1810784.99  617.4111023.26   627.711306.79   625.211906.44   621.4
13287.43   621.413514.72   615.214099.02   615.214548.53     61914605.27   622.8
14882.88  620.0614889.47  613.7914990.19   612.315612.53  594.0216142.34   587.6
16199.28  582.7316399.79  578.9816451.52  574.2116532.92  567.7816960.02  567.78
17047.04  572.6217130.46   587.617218.79  609.3317237.72  611.8317475.16  636.14
17913.46  641.7218346.99  644.1520450.15     64120564.92     641 20793.5  641.56
21142.05  636.2122124.47   638.622380.82   642.424049.78   646.224430.62     648
24852.09  652.0225499.93  662.7325723.01   663.826832.97   663.827465.72   657.6
27738.44   657.628310.14   653.828546.87  651.5928717.72  650.9928857.16     648
29005.18  648.85   29298  654.3529618.42  657.1430712.05  678.9631373.61  680.91
32337.62  727.1432479.72  727.5633094.23  692.17 33128.8  692.2734715.95  746.54
35755.04  744.3935951.69   746.136302.15  763.3236343.44  763.8936648.77  761.89
36979.07  772.6337136.54   774.837907.73     790 38600.8  792.53 38950.3     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516142.34     .1517130.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16142.3417130.46                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.95    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501520.00   184255.90   1730494.00
  E.G. Slope (ft/ft)      0.000085    Area (sq ft)            1501520.00   184255.90   1730494.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2985449.00   549774.90   3194776.00
  Top Width (ft)          34912.83    Top Width (ft)          14822.90     988.12   19101.81
  Vel Total (ft/s)            1.97    Avg. Vel. (ft/s)            1.99       2.98       1.85
  Max Chl Dpth (ft)         192.11    Hydr. Depth (ft)          101.30     186.47      90.59
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  Conv. Total (cfs)       728210500.0    Conv. (cfs)            323036400.0   59487650.0   345686400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14835.65     990.31   19109.86
  Min Ch El (ft)            567.78    Shear (lb/sq ft)            0.54       0.99       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.07       2.96       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    124647.80   21453.19   149129.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1133.44     103.94    1364.18


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275775.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  185.96  792.83  605.02  777.63 1274.65  761.72 1443.15  754.86
 1712.25   747.6 1870.07  746.19 2200.08  746.19 2515.11  745.16 3361.23  719.45
  3428.9  715.94 3514.89  713.81 3525.55   713.7 3715.55  717.93 3885.06  716.19
 4019.78  714.35 4164.43  710.45 4518.02  701.93 4948.95  694.34 5269.65  692.97
 5407.65  691.55 5557.82  686.83 5622.42  682.63 5964.66  680.56 6294.37  681.28
 6427.37  682.38 6635.16  674.76 6792.31  670.95 6859.53  667.14  6905.8  667.14
  7047.8   669.8 7253.18  679.84 7312.64  678.37 7434.87  676.87 7777.98  665.77
  7823.2  666.51 7969.17  664.88 8245.93  645.23 8259.23  643.72 8422.29  635.71
 8553.24  634.93 8793.33  641.13 8958.34  640.16  9131.2  631.52 9307.01  628.44
  9443.2  614.48 9459.47  614.29 9544.15  606.67 9703.05  595.24 9757.17  595.24
 9796.85  598.71 9916.57  627.7710018.22  636.6710384.44  633.4310533.81  625.92
10586.53  619.2610787.52  617.4811025.85  627.7511309.45  625.2411909.24  621.43
13290.55  621.43 13517.9  615.2414102.33  615.2414551.95  619.05 14608.7  622.86
14886.38  620.1114892.97  613.8614993.71  612.3615616.19  594.0516146.13  587.62
16203.21  582.75 16404.2     5791 6456.05  574.2216537.65  567.78   16965  567.78
17052.19  572.6117135.78  587.62 17224.1  609.3317243.03  611.8317480.44   636.1
17918.69  641.6818352.18  644.11 20455.1  640.9520569.86  640.9520798.42  641.51
21146.93  636.1722129.24  638.5722385.57  642.3824054.34  646.1924435.14     648
24856.56  652.0225504.34  662.7425727.39  663.8126837.22  663.8127469.91  657.62
 27742.6  657.6228314.23  653.8128550.94   651.628721.78  650.99 28861.2  647.98
 29009.2  648.8429301.99  654.3429622.37  657.1430715.88  678.9331377.37  680.88
32341.27  727.0632483.36  727.48 33097.8  692.1533132.37  692.2534719.35  746.45
35758.32  744.3235954.95  746.0436305.38  763.2536346.66  763.8236651.96  761.84
36982.22  772.5937139.67  774.7637910.79     79038603.77  792.5338953.23     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516146.13     .1517135.78     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16146.1317135.78                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.95    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501570.00   184529.90   1730829.00
  E.G. Slope (ft/ft)      0.000085    Area (sq ft)            1501570.00   184529.90   1730829.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2984433.00   550440.10   3195127.00
  Top Width (ft)          34917.18    Top Width (ft)          14826.43     989.65   19101.10
  Vel Total (ft/s)            1.97    Avg. Vel. (ft/s)            1.99       2.98       1.85
  Max Chl Dpth (ft)         192.11    Hydr. Depth (ft)          101.28     186.46      90.61
  Conv. Total (cfs)       728383600.0    Conv. (cfs)            323003200.0   59573780.0   345806500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14839.17     991.84   19109.14
  Min Ch El (ft)            567.78    Shear (lb/sq ft)            0.54       0.99       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.07       2.96       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    124475.50   21432.02   148930.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1131.74     103.83    1361.99


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275772.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800     186  792.82  605.16  777.62 1274.95  761.72 1443.49  754.86
 1712.65  747.59 1870.51  746.18  2200.6  746.18  2515.7  745.14 3362.02  719.47
  3429.7  715.96 3515.71  713.82 3526.38  713.71 3716.43  717.93 3885.97  716.18
 4020.73  714.34 4165.41  710.44 4519.08  701.91 4950.11  694.33 5270.89  692.95
 5408.92  691.53 5559.12   686.8 5623.74  682.59 5966.06  680.53 6295.85  681.26
 6428.88  682.36 6636.72  674.72  6793.9   670.9 6861.14  667.08 6907.42  667.08
 7049.46  669.75 7254.89  679.78 7314.36  678.32 7436.62  676.84  7779.8  665.78
 7825.04  666.53 7971.05  664.94 8247.87  645.32 8261.17   643.8 8424.26  635.78
 8555.25  635.01  8795.4  641.23 8960.44  640.26 9133.34   631.6  9309.2  628.51
 9445.42  614.57 9461.69  614.38 9546.39  606.74 9705.33  595.28 9759.47  595.28
 9799.15  598.76  9918.9  627.8110020.57  636.7410386.88  633.4910536.29  625.98
10589.02  619.3410790.05  617.5511028.44   627.811312.11  625.2811912.03  621.46
13293.67  621.4613521.07  615.2814105.64  615.2814555.37   619.114612.13  622.92
14889.88  620.1614896.47  613.9214997.23  612.4215619.86  594.0716149.93  587.64
16207.14  582.7616408.61  579.0116460.59  574.2316542.39  567.7816969.98  567.78
17057.34  572.6117141.09  587.6417229.41  609.3317248.33  611.8217485.72  636.06
17923.92  641.6518357.36  644.0720460.06   640.9 20574.8   640.920803.34  641.46
 21151.8  636.1322134.02  638.5422390.31  642.3624058.91  646.1824439.66  647.99
24861.04  652.0225508.74  662.7525731.77  663.8226841.48  663.82 27474.1  657.64
27746.76  657.6428318.33  653.8228555.01   651.628725.83  650.9928865.24  647.97
29013.22  648.8229305.98  654.3329626.32  657.1330719.72   678.931381.13  680.86
32344.93  726.97   32487  727.3933101.38  692.1333135.94  692.2334722.75  746.37
 35761.6  744.2435958.22  745.98 36308.6  763.1836349.88  763.7636655.15   761.8
36985.38  772.54 37142.8  774.7237913.83     79038606.75  792.5438956.17     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516149.93     .1517141.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16149.9317141.09                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.95    Element                   Left OB    Channel   Right OB
```

```
  Vel Head (ft)              0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.89    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1501614.00   184802.30   1731170.00
  E.G. Slope (ft/ft)     0.000085    Area (sq ft)            1501614.00   184802.30   1731170.00
  Q Total (cfs)          6730000.00    Flow (cfs)              2983402.00   551104.10   3195495.00
  Top Width (ft)         34921.47    Top Width (ft)          14829.91     991.16   19100.40
  Vel Total (ft/s)           1.97    Avg. Vel. (ft/s)            1.99       2.98       1.85
  Max Chl Dpth (ft)        192.11    Hydr. Depth (ft)          101.26     186.45      90.64
  Conv. Total (cfs)      728557200.0    Conv. (cfs)            322968600.0   59659860.0   345928700.0
  Length Wtd. (ft)           5.00    Wetted Per. (ft)        14842.65     993.35   19108.42
  Min Ch El (ft)           567.78    Shear (lb/sq ft)            0.54       0.99       0.48
  Alpha                      1.06    Stream Power (lb/ft s)      1.07       2.96       0.89
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    124303.10   21410.82   148731.90
  C & E Loss (ft)            0.00    Cum SA (acres)           1130.04     103.72    1359.80


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275769.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  186.05  792.82  605.31  777.61 1275.25  761.71 1443.82  754.85
 1713.06  747.59 1870.95  746.17 2201.11  746.17 2516.29  745.13 3362.81  719.49
 3430.51  715.97 3516.54  713.83  3527.2  713.72  3717.3  717.92 3886.89  716.17
 4021.67  714.32 4166.39  710.42 4520.14  701.89 4951.27  694.31 5272.13  692.93
 5410.19  691.51 5560.43  686.77 5625.06  682.56 5967.46   680.5 6297.32  681.24
 6430.39  682.34 6638.28  674.68  6795.5  670.85 6862.75  667.02 6909.05  667.02
 7051.11  669.69 7256.59  679.73 7316.08  678.28 7438.36  676.81 7781.63  665.79
 7826.88  666.55 7972.92  664.99  8249.8  645.41 8263.11  643.89 8426.24  635.85
 8557.26  635.08 8797.46  641.32 8962.54  640.35 9135.49  631.68 9311.38  628.59
 9447.63  614.66 9463.91  614.47 9548.63  606.81  9707.6  595.32 9761.76  595.32
 9801.45  598.81 9921.22  627.8610022.92  636.8110389.32  633.5510538.76  626.05
 10591.5  619.4110792.59  617.6211031.03  627.8411314.77  625.3211914.83  621.49
13296.79  621.4913524.25  615.3214108.96  615.3214558.79  619.1514615.56  622.98
14893.38  620.2214899.97  613.9815000.76  612.4815623.53   594.116153.72  587.66
16211.07  582.7716413.03  579.0316465.13  574.2416547.12  567.7816974.96  567.78
17062.49  572.6117146.41  587.6617234.72  609.3217253.63  611.82   17491  636.03
17929.15  641.6118362.55  644.0320465.01  640.8520579.74  640.8520808.26  641.41
21156.68   636.122138.79  638.5122395.05  642.3424063.47  646.1724444.19  647.99
24865.51  652.0125513.14  662.7725736.15  663.8326845.74  663.8327478.29  657.66
27750.92  657.6628322.43  653.8328559.08  651.6128729.88  650.9828869.27  647.96
29017.24  648.8129309.97  654.3329630.28  657.1230723.55  678.8731384.89  680.84
32348.59  726.8832490.64  727.3133104.95  692.1133139.51  692.2134726.15  746.28
35764.89  744.1735961.48  745.9236311.83  763.11 36353.1  763.6936658.33  761.75
36988.52   772.537145.94  774.6837916.88     79038609.72  792.5538959.11     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516153.72     .1517146.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16153.7217146.41                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.95    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.89    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1501659.00   185076.90   1731497.00
  E.G. Slope (ft/ft)     0.000085    Area (sq ft)            1501659.00   185076.90   1731497.00
  Q Total (cfs)          6730000.00    Flow (cfs)              2982370.00   551776.30   3195854.00
  Top Width (ft)         34926.01    Top Width (ft)          14833.63     992.69   19099.69
  Vel Total (ft/s)           1.97    Avg. Vel. (ft/s)            1.99       2.98       1.85
  Max Chl Dpth (ft)        192.11    Hydr. Depth (ft)          101.23     186.44      90.66
  Conv. Total (cfs)      728723500.0    Conv. (cfs)            322930600.0   59746270.0   346046600.0
  Length Wtd. (ft)           5.00    Wetted Per. (ft)        14846.37     994.88   19107.70
  Min Ch El (ft)           567.78    Shear (lb/sq ft)            0.54       0.99       0.48
  Alpha                      1.06    Stream Power (lb/ft s)      1.07       2.95       0.89
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    124130.80   21389.60   148533.20
  C & E Loss (ft)            0.00    Cum SA (acres)           1128.34     103.60    1357.61


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275766.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  186.09  792.82  605.45   777.6 1275.55  761.71 1444.16  754.84
 1713.46  747.58 1871.38  746.16 2201.63  746.16 2516.88  745.12  3363.6   719.5
 3431.31  715.99 3517.36  713.84 3528.03  713.73 3718.17  717.92  3887.8  716.16
 4022.62  714.31 4167.37   710.4  4521.2  701.87 4952.44   694.3 5273.37  692.92
 5411.46  691.49 5561.73  686.75 5626.39  682.52 5968.86  680.46  6298.8  681.22
  6431.9  682.32 6639.83  674.64 6797.09   670.8 6864.37  666.96 6910.67  666.96
 7052.77  669.64  7258.3  679.68  7317.8  678.23 7440.11  676.79 7783.46  665.79
 7828.72  666.56 7974.79  665.05 8251.74   645.5 8265.05  643.98 8428.22  635.92
 8559.27  635.15 8799.53  641.42 8964.65  640.45 9137.63  631.75 9313.57  628.66
 9449.85  614.75 9466.13  614.56 9550.88  606.88 9709.88  595.36 9764.05  595.36
 9803.76  598.86 9923.55  627.9110025.28  636.8810391.76  633.6110541.24  626.12
10593.99  619.4910795.12   617.711033.62  627.8911317.42  625.3611917.63  621.52
13299.92  621.5213527.42  615.3614112.27  615.3614562.21   619.214618.99  623.04
14896.87  620.2714903.47  614.0415004.28  612.54 15627.2  594.1216157.51  587.68
   16215  582.7816417.44  579.0516469.67  574.2516551.86  567.7816979.94  567.78
17067.64   572.617151.73  587.6817240.03  609.3217258.94  611.8217496.28  635.99
17934.38  641.5818367.73  643.9820469.96   640.820584.68   640.820813.17  641.36
21161.56  636.0622143.56  638.48 22399.8  642.3224068.03  646.1624448.71  647.98
24869.98  652.0125517.55  662.7825740.53  663.84   26850  663.8427482.47  657.68
27755.08  657.6828326.53  653.8428563.15  651.6128733.93  650.9828873.31  647.94
29021.26  648.7929313.96  654.3229634.23  657.1130727.39  678.8431388.65  680.81
32352.24   726.832494.29  727.2233108.53  692.0933143.08  692.1934729.54  746.19
35768.17   744.135964.74  745.8536315.05  763.0436356.32  763.6236661.52   761.7
36991.67  772.4537149.07  774.6437919.93     79038612.69  792.5538962.04     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
```

```
       0     .1516157.51     .1517151.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16157.5117151.73                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.95    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501702.00   185352.30   1731861.00
  E.G. Slope (ft/ft)      0.000085    Area (sq ft)            1501702.00   185352.30   1731861.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2981301.00   552441.30   3196258.00
  Top Width (ft)          34930.40    Top Width (ft)          14837.16     994.22   19099.02
  Vel Total (ft/s)            1.97    Avg. Vel. (ft/s)            1.99       2.98       1.85
  Max Chl Dpth (ft)         192.10    Hydr. Depth (ft)          101.21     186.43      90.68
  Conv. Total (cfs)       728904100.0    Conv. (cfs)            322894900.0   59833100.0   346176100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14849.90     996.41   19107.01
  Min Ch El (ft)            567.78    Shear (lb/sq ft)            0.54       0.99       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.07       2.95       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    123958.40   21368.34   148334.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1126.63     103.49    1355.41


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275763.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  186.13  792.81  605.59  777.58 1275.85  761.71  1444.5  754.83
 1713.86  747.57 1871.82  746.15 2202.15  746.15 2517.47  745.11 3364.39  719.52
 3432.12     716 3518.19  713.85 3528.86  713.74 3719.05  717.91 3888.71  716.15
 4023.56  714.29 4168.35  710.39 4522.26  701.85  4953.6  694.29  5274.6   692.9
 5412.73  691.47 5563.04  686.72 5627.71  682.48 5970.26  680.43 6300.28  681.19
 6433.41   682.3 6641.39   674.6 6798.69  670.75 6865.98   666.9 6912.29   666.9
 7054.42  669.59    7260  679.62 7319.51  678.18 7441.86  676.76 7785.29   665.8
 7830.55  666.58 7976.66  665.11 8253.68  645.59 8266.99  644.07  8430.2  635.99
 8561.28  635.22 8801.59  641.52 8966.75  640.55 9139.78  631.83 9315.75  628.74
 9452.07  614.84 9468.35  614.65 9553.12  606.95 9712.16   595.4 9766.34   595.4
 9806.06  598.91 9925.88  627.9510027.63  636.95 10394.2  633.6710543.71  626.19
10596.48  619.5710797.66  617.7711036.21  627.9411320.08   625.411920.43  621.55
13303.04  621.55 13530.6   615.414115.58   615.414565.62  619.2514622.42   623.1
14900.37  620.3214906.97  614.11 15007.8  612.6115630.87  594.15 16161.3   587.7
16218.93  582.7916421.85  579.0716474.21  574.2616556.59  567.7816984.91  567.78
17072.79   572.617157.04   587.717245.33  609.3217264.25  611.8217501.56  635.95
17939.61  641.5418372.92  643.9420474.92  640.7520589.62  640.7520818.09  641.31
21166.44  636.0222148.33  638.4522404.54   642.324072.59  646.1524453.22  647.98
24874.46  652.0125521.95  662.7925744.91  663.8526854.26  663.8527486.66   657.7
27759.24   657.728330.62  653.8528567.22  651.6128737.98  650.9828877.35  647.93
29025.29  648.7829317.94  654.3129638.19  657.1130731.22  678.8231392.42  680.79
 32355.9  726.7132497.93  727.14 33112.1  692.0733146.65  692.1734732.94   746.1
35771.45  744.03   35968  745.7936318.27  762.9736359.54  763.5536664.71  761.65
36994.82  772.41 37152.2   774.637922.98     79038615.66  792.5638964.98     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 16161.3     .1517157.04     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16161.317157.04                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.95    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501735.00   185624.80   1732187.00
  E.G. Slope (ft/ft)      0.000085    Area (sq ft)            1501735.00   185624.80   1732187.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2980270.00   553108.60   3196622.00
  Top Width (ft)          34934.75    Top Width (ft)          14840.70     995.74   19098.32
  Vel Total (ft/s)            1.97    Avg. Vel. (ft/s)            1.98       2.98       1.85
  Max Chl Dpth (ft)         192.10    Hydr. Depth (ft)          101.19     186.42      90.70
  Conv. Total (cfs)       729067700.0    Conv. (cfs)            322855600.0   59918810.0   346293300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14853.42     997.93   19106.29
  Min Ch El (ft)            567.78    Shear (lb/sq ft)            0.54       0.99       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.07       2.95       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    123786.00   21347.04   148135.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1124.93     103.37    1353.22


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275760.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  186.18  792.81  605.73  777.57 1276.15  761.71 1444.84  754.82
 1714.26  747.57 1872.26  746.14 2202.66  746.14 2518.06  745.09 3365.18  719.54
 3432.93  716.02 3519.02  713.86 3529.69  713.75 3719.92  717.91 3889.62  716.14
 4024.51  714.28 4169.33  710.37 4523.33  701.84 4954.76  694.27 5275.84  692.88
 5414.01  691.45 5564.35  686.69 5629.03  682.45 5971.66   680.4 6301.76  681.17
 6434.92  682.28 6642.95  674.56 6800.28   670.7 6867.59  666.84 6913.91  666.84
 7056.08  669.53  7261.7  679.57 7321.23  678.14  7443.6  676.73 7787.11  665.81
 7832.39   666.6 7978.53  665.16 8255.62  645.68 8268.93  644.16 8432.18  636.06
 8563.29   635.3 8803.66  641.61 8968.86  640.64 9141.92  631.91 9317.94  628.81
 9454.29  614.93 9470.58  614.74 9555.36  607.02 9714.44  595.44 9768.63  595.44
 9808.36  598.96 9928.21    62810029.98  637.0210396.64  633.7410546.18  626.26
10598.96  619.6410800.19  617.84 11038.8  627.9811322.74  625.4411923.22  621.58
13306.16  621.5813533.78  615.4414118.89  615.4414569.04   619.314625.86  623.16
14903.87  620.3814910.46  614.1715011.32  612.6715634.54  594.18 16165.1  587.72
16222.86   582.816426.27  579.0816478.74  574.2616561.32  567.7816989.89  567.78
17077.94  572.5917162.36  587.7217250.64  609.3217269.55  611.8117506.84  635.92
17944.85  641.51 18378.1   643.920479.88   640.720594.57   640.720823.01  641.27
21171.32  635.99 22153.1  638.4222409.29  642.2824077.15  646.1424457.74  647.97
24878.93     65225526.35   662.825749.29  663.8626858.51  663.8627490.85  657.72
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 27763.4  657.7228334.72  653.8628571.29  651.6228742.04  650.9828881.38  647.92
 29029.3  648.7729321.93   654.329642.14   657.130735.06  678.7931396.18  680.76
32359.56  726.6332501.57  727.0533115.68  692.0533150.22  692.1534736.34  746.01
35774.74  743.9635971.27  745.73 36321.5   762.936362.76  763.4836667.89  761.61
36997.97  772.3637155.34  774.5637926.03     79038618.64  792.5738967.91     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 16165.1     .1517162.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       16165.117162.36                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.95    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501775.00   185900.40   1732524.00
  E.G. Slope (ft/ft)      0.000085    Area (sq ft)            1501775.00   185900.40   1732524.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2979228.00   553784.90   3196988.00
  Top Width (ft)          34939.12    Top Width (ft)          14844.24     997.26   19097.62
  Vel Total (ft/s)            1.97    Avg. Vel. (ft/s)            1.98       2.98       1.85
  Max Chl Dpth (ft)         192.10    Hydr. Depth (ft)          101.17     186.41      90.72
  Conv. Total (cfs)       729239200.0    Conv. (cfs)             322818700.0   60006190.0   346414300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14856.96     999.45   19105.58
  Min Ch El (ft)            567.78    Shear (lb/sq ft)            0.54       0.99       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.07       2.95       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    123613.60   21325.72   147936.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1123.23     103.26    1351.03


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275757.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  186.22   792.8  605.87  777.56 1276.45   761.7 1445.18  754.82
 1714.67  747.56  1872.7  746.13 2203.18  746.13 2518.66  745.08 3365.97  719.56
 3433.73  716.04 3519.84  713.87 3530.52  713.76 3720.79   717.9 3890.54  716.13
 4025.45  714.26  4170.3  710.35 4524.39  701.82 4955.92  694.26 5277.08  692.86
 5415.28  691.43 5565.65  686.67 5630.35  682.41 5973.06  680.36 6303.24  681.15
 6436.43  682.26 6644.51  674.52 6801.88  670.65  6869.2  666.78 6915.54  666.78
 7057.74  669.48 7263.41  679.52 7322.95  678.09 7445.35   676.7 7788.94  665.82
 7834.23  666.62 7980.41  665.22 8257.55  645.76 8270.87  644.25 8434.16  636.14
  8565.3  635.37 8805.72  641.71 8970.96  640.74 9144.07  631.99 9320.13  628.89
 9456.51  615.02  9472.8  614.83  9557.6  607.09 9716.72  595.48 9770.93  595.48
 9810.66  599.01 9930.54  628.0510032.34  637.0910399.08   633.810548.66  626.32
10601.45  619.7210802.72  617.9111041.39  628.0311325.39  625.4811926.02  621.61
13309.28  621.6113536.95  615.4814122.21  615.4814572.46  619.3514629.29  623.22
14907.36  620.4314913.96  614.2315014.84  612.7315638.21   594.216168.89  587.74
16226.79  582.8216430.68   579.116483.28  574.2716566.06  567.7716994.87  567.77
 17083.1  572.5917167.68  587.7417255.95  609.3217274.86  611.8117512.12  635.88
17950.08  641.4718383.28  643.8620484.83  640.6520599.51  640.6520827.92  641.22
 21176.2  635.9522157.88  638.3922414.03  642.2624081.71  646.1324462.27  647.97
 24883.4     65225530.76  662.8125753.66  663.8726862.77  663.8727495.04  657.74
27767.56  657.7428338.81  653.8728575.37  651.6228746.09  650.9828885.42  647.91
29033.33  648.7529325.92   654.329646.09  657.0930738.89  678.7631399.94  680.74
32363.21  726.5432505.21  726.9633119.25  692.0333153.79  692.1334739.73  745.93
35778.02  743.8935974.53  745.6636324.72  762.8336365.98  763.4136671.08  761.56
37001.12  772.3137158.47  774.5237929.08     79038621.61  792.5738970.84     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516168.89     .1517167.68     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16168.8917167.68                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.95    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501816.00   186178.90   1732856.00
  E.G. Slope (ft/ft)      0.000085    Area (sq ft)            1501816.00   186178.90   1732856.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2978186.00   554472.40   3197342.00
  Top Width (ft)          34943.62    Top Width (ft)          14847.89     998.79   19096.94
  Vel Total (ft/s)            1.97    Avg. Vel. (ft/s)            1.98       2.98       1.85
  Max Chl Dpth (ft)         192.11    Hydr. Depth (ft)          101.15     186.40      90.74
  Conv. Total (cfs)       729408600.0    Conv. (cfs)             322780700.0   60094640.0   346533200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14860.60    1000.99   19104.88
  Min Ch El (ft)            567.77    Shear (lb/sq ft)            0.54       0.99       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.07       2.94       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    123441.30   21304.37   147737.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1121.52     103.14    1348.84


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275754.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  186.26   792.8  606.02  777.55 1276.74   761.7 1445.52  754.81
 1715.07  747.55 1873.14  746.12  2203.7  746.12 2519.25  745.07 3366.76  719.57
 3434.54  716.05 3520.67  713.88 3531.35  713.77 3721.66   717.9 3891.45  716.12
 4026.39  714.25 4171.28  710.33 4525.45   701.8 4957.09  694.24 5278.32  692.84
 5416.55  691.42 5566.96  686.64 5631.67  682.37 5974.47  680.33 6304.72  681.12
 6437.94  682.24 6646.07  674.48 6803.48   670.6 6870.81  666.72 6917.16  666.72
 7059.39  669.43 7265.11  679.47 7324.67  678.05  7447.1  676.68 7790.77  665.82
 7836.07  666.63 7982.28  665.28 8259.49  645.85 8272.81  644.33 8436.13  636.21
 8567.31  635.44 8807.79   641.8 8973.07  640.84 9146.21  632.07 9322.31  628.96
 9458.73  615.11 9475.02  614.92 9559.84  607.16    9719  595.52 9773.22  595.52
 9812.96  599.06 9932.87  628.0910034.69  637.1610401.52  633.8610551.13  626.39
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10603.94   619.810805.26  617.9911043.98  628.0811328.05  625.5211928.82  621.64
 13312.4  621.6413540.13  615.5214125.52  615.5214575.88   619.414632.72  623.28
14910.86  620.4814917.46   614.315018.37  612.7915641.87  594.2316172.68  587.76
16230.72  582.8316435.09  579.1216487.82  574.2816570.79  567.7716999.85  567.77
17088.25  572.59   17173  587.7617261.25  609.3217280.16  611.81 17517.4  635.84
17955.31  641.4418388.47  643.8220489.78   640.620604.45   640.620832.84  641.17
21181.08  635.9222162.65  638.3622418.77  642.2424086.28  646.1224466.79  647.96
24887.88     65225535.16  662.8225758.04  663.8826867.03  663.8827499.23  657.76
27771.72  657.7628342.91  653.8828579.44  651.6328750.14  650.9828889.46  647.89
29037.35  648.7429329.91  654.2929650.05  657.0830742.72  678.73 31403.7  680.72
32366.87  726.4532508.85  726.8833122.82  692.0133157.36  692.1134743.13  745.84
 35781.3  743.8135977.79   745.636327.95  762.76 36369.2  763.3436674.27  761.51
37004.27  772.27 37161.6  774.4837932.12     79038624.58  792.5838973.78     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516172.68     .15   17173     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16172.68   17173                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.95    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501859.00   186453.30   1733193.00
  E.G. Slope (ft/ft)      0.000085    Area (sq ft)            1501859.00   186453.30   1733193.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2977155.00   555138.40   3197706.00
  Top Width (ft)          34947.99    Top Width (ft)          14851.43    1000.32   19096.24
  Vel Total (ft/s)            1.97    Avg. Vel. (ft/s)            1.98       2.98       1.84
  Max Chl Dpth (ft)         192.11    Hydr. Depth (ft)          101.13     186.39      90.76
  Conv. Total (cfs)       729580400.0    Conv. (cfs)             322745100.0   60181000.0   346654400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14864.13    1002.52   19104.17
  Min Ch El (ft)            567.77    Shear (lb/sq ft)            0.54       0.99       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.06       2.94       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    123268.90   21282.98   147539.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1119.82     103.03    1346.65


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275751.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  186.31  792.79  606.16  777.54 1277.04   761.7 1445.86   754.8
 1715.47  747.55 1873.58  746.11 2204.21  746.11 2519.84  745.05 3367.55  719.59
 3435.34  716.07 3521.49  713.89 3532.17  713.78 3722.54  717.89 3892.36  716.11
 4027.34  714.23 4172.26  710.32 4526.51  701.78 4958.25  694.23 5279.55  692.82
 5417.82   691.4 5568.26  686.61 5632.99  682.34 5975.87   680.3  6306.2   681.1
 6439.45  682.22 6647.63  674.44 6805.07  670.55 6872.42  666.66 6918.78  666.66
 7061.05  669.38 7266.82  679.41 7326.39     678 7448.84  676.65 7792.59  665.83
 7837.91  666.65 7984.15  665.33 8261.43  645.94 8274.75  644.42 8438.11  636.28
 8569.32  635.52 8809.86   641.9 8975.17  640.93 9148.36  632.15  9324.5  629.04
 9460.95   615.2 9477.24  615.01 9562.09  607.23 9721.28  595.56 9775.51  595.56
 9815.26  599.11  9935.2  628.1410037.04  637.2310403.96  633.9210553.61  626.46
10606.43  619.8710807.79  618.0611046.57  628.1211330.71  625.5611931.62  621.67
13315.53  621.67 13543.3  615.5614128.83  615.56 14579.3  619.4514636.15  623.34
14914.36  620.5314920.96  614.3615021.89  612.8515645.54  594.2516176.48  587.78
16234.66  582.8416439.51  579.1416492.36  574.2916575.53  567.7717004.83  567.77
 17093.4  572.5817178.31  587.7817266.56  609.3117285.47   611.817522.68  635.81
17960.54   641.418393.65  643.7820494.74  640.5520609.39  640.5520837.76  641.12
21185.96  635.8822167.42  638.3322423.52  642.2224090.84  646.11 24471.3  647.96
24892.35  651.9925539.56  662.8425762.42  663.8926871.29  663.8927503.42  657.78
27775.88  657.7828347.01  653.8928583.51  651.6328754.19  650.9728893.49  647.88
29041.37  648.72 29333.9  654.28   29654  657.0830746.56   678.731407.46  680.69
32370.53  726.3732512.49  726.79 33126.4  691.9933160.93  692.0934746.53  745.75
35784.59  743.7435981.05  745.5436331.17  762.6936372.42  763.2736677.45  761.46
37007.43  772.2237164.73  774.4437935.18     79038627.55  792.5938976.71     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516176.48     .1517178.31     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16176.4817178.31                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.95    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501907.00   186724.90   1733537.00
  E.G. Slope (ft/ft)      0.000085    Area (sq ft)            1501907.00   186724.90   1733537.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2976128.00   555794.90   3198078.00
  Top Width (ft)          34952.35    Top Width (ft)          14854.97    1001.83   19095.55
  Vel Total (ft/s)            1.97    Avg. Vel. (ft/s)            1.98       2.98       1.84
  Max Chl Dpth (ft)         192.11    Hydr. Depth (ft)          101.10     186.38      90.78
  Conv. Total (cfs)       729754900.0    Conv. (cfs)             322710800.0   60266580.0   346777500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14867.67    1004.03   19103.46
  Min Ch El (ft)            567.77    Shear (lb/sq ft)            0.54       0.99       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.06       2.94       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    123096.50   21261.56   147340.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1118.11     102.91    1344.45


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275749.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  186.35  792.79   606.3  777.52 1277.34  761.69  1446.2  754.79
 1715.87  747.54 1874.02   746.1 2204.73   746.1 2520.43  745.04 3368.34  719.61
 3436.15  716.08 3522.32   713.9    3533  713.79 3723.41  717.89 3893.27   716.1
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 4028.28  714.22 4173.24   710.3 4527.57  701.76 4959.41  694.21 5280.79   692.8
 5419.09  691.38 5569.57  686.58 5634.31   682.3 5977.27  680.26 6307.67  681.08
 6440.96   682.2 6649.19   674.4 6806.67   670.5 6874.03   666.6  6920.4   666.6
  7062.7  669.32 7268.52  679.36  7328.1  677.95 7450.59  676.62 7794.42  665.84
 7839.74  666.67 7986.02  665.39 8263.36  646.03 8276.69  644.51 8440.09  636.35
 8571.33  635.59 8811.92  641.99 8977.28  641.03  9150.5  632.22 9326.69  629.11
 9463.16  615.29 9479.46   615.1 9564.33   607.3 9723.56   595.6  9777.8   595.6
 9817.56  599.16 9937.53  628.19 10039.4   637.3 10406.4  633.9810556.08  626.53
10608.91  619.9510810.33  618.1311049.16  628.1711333.36   625.611934.42   621.7
13318.65   621.713546.48   615.614132.15   615.614582.72   619.514639.58   623.4
14917.85  620.5914924.46  614.4215025.41  612.9115649.21  594.2816180.27   587.8
16238.58  582.8516443.92  579.1616496.89   574.316580.26  567.7717009.81  567.77
17098.55  572.5817183.63   587.817271.87  609.3117290.77   611.817527.96  635.77
17965.77  641.3718398.84  643.7320499.69   640.520614.34   640.520842.68  641.07
21190.84  635.8422172.19   638.322428.26   642.2 24095.4   646.124475.82  647.95
24896.83  651.9925543.97  662.85 25766.8   663.926875.54   663.927507.61   657.8
27780.03   657.8 28351.1   653.928587.58  651.6328758.25  650.9728897.53  647.87
29045.39  648.7129337.89  654.2829657.96  657.0730750.39  678.6731411.23  680.67
32374.19  726.2832516.13  726.7133129.97  691.96 33164.5  692.0734749.93  745.66
35787.87  743.6735984.32  745.4836334.39  762.6236375.64  763.2136680.64  761.42
37010.57  772.1837167.87   774.437938.22     79038630.53  792.5938979.65     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516180.27     .1517183.63     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16180.2717183.63                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.95    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501951.00   186999.60   1733889.00
  E.G. Slope (ft/ft)      0.000085    Area (sq ft)            1501951.00   186999.60   1733889.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2975065.00   556458.80   3198476.00
  Top Width (ft)          34956.89    Top Width (ft)          14858.69    1003.36   19094.84
  Vel Total (ft/s)            1.97    Avg. Vel. (ft/s)            1.98       2.98       1.84
  Max Chl Dpth (ft)         192.11    Hydr. Depth (ft)          101.08     186.37      90.80
  Conv. Total (cfs)       729929700.0    Conv. (cfs)             322672900.0   60353020.0   346903800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14871.39    1005.56   19102.74
  Min Ch El (ft)            567.77    Shear (lb/sq ft)            0.54       0.99       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.06       2.94       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    122924.10   21240.12   147141.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1116.41     102.80    1342.26


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275746.*

INPUT
Description:
Station Elevation Data     num=     120
     Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev
       0     800   186.4  792.78  606.44  777.51 1277.64  761.69 1446.54  754.79
 1716.27  747.54 1874.46  746.09 2205.25  746.09 2521.02  745.03 3369.13  719.62
 3436.95   716.1 3523.14  713.91 3533.83   713.8 3724.28  717.88 3894.19  716.09
 4029.23   714.2 4174.22  710.28 4528.63  701.74 4960.57   694.2 5282.03  692.79
 5420.36  691.36 5570.87  686.56 5635.63  682.26 5978.67  680.23 6309.15  681.06
 6442.47  682.18 6650.75  674.36 6808.26  670.45 6875.65  666.54 6922.03  666.54
 7064.36  669.27 7270.22  679.31 7329.82  677.91 7452.33   676.6 7796.25  665.84
 7841.58  666.68  7987.9  665.45  8265.3  646.12 8278.63   644.6 8442.07  636.42
 8573.34  635.66 8813.99  642.09 8979.38  641.13 9152.65   632.3 9328.87  629.19
 9465.38  615.38 9481.69  615.19 9566.57  607.37 9725.84  595.64  9780.1  595.64
 9819.87  599.21 9939.86  628.2310041.75  637.3710408.84  634.0410558.56   626.6
 10611.4  620.0310812.86   618.211051.75  628.2211336.02  625.6411937.21  621.73
13321.77  621.7313549.65  615.6414135.46  615.6414586.13  619.5514643.02  623.46
14921.35  620.6414927.96  614.4815028.93  612.9715652.88  594.3116184.06  587.82
16242.52  582.8616448.33  579.1716501.43  574.3116584.99  567.7717014.79  567.77
 17103.7  572.5717188.95  587.8217277.18  609.3117296.08   611.817533.23  635.73
   17971  641.3318404.02  643.6920504.65  640.4520619.28  640.4520847.59  641.02
21195.71  635.8122176.96  638.27   22433  642.1824099.96  646.0924480.35  647.95
 24901.3  651.9925548.37  662.8625771.18  663.91 26879.8  663.9127511.79  657.82
27784.19  657.82 28355.2  653.9128591.65  651.64 28762.3  650.9728901.57  647.85
29049.41  648.6929341.88  654.2729661.91  657.0630754.23  678.6431414.99  680.64
32377.84  726.1932519.78  726.6233133.55  691.9433168.07  692.0534753.32  745.57
35791.16   743.635987.58  745.4136337.62  762.5536378.86  763.1436683.82  761.37
37013.73  772.13   37171  774.3637941.27     790 38633.5   792.638982.59     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516184.06     .1517188.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16184.0617188.95                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.95    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501982.00   187275.80   1734237.00
  E.G. Slope (ft/ft)      0.000085    Area (sq ft)            1501982.00   187275.80   1734237.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2974003.00   557132.30   3198865.00
  Top Width (ft)          34961.23    Top Width (ft)          14862.16    1004.89   19094.18
  Vel Total (ft/s)            1.97    Avg. Vel. (ft/s)            1.98       2.97       1.84
  Max Chl Dpth (ft)         192.11    Hydr. Depth (ft)          101.06     186.36      90.83
  Conv. Total (cfs)       730102400.0    Conv. (cfs)             322633900.0   60440360.0   347028100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14874.86    1007.09   19102.06
  Min Ch El (ft)            567.77    Shear (lb/sq ft)            0.54       0.99       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.06       2.93       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    122751.70   21218.63   146941.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1114.70     102.68    1340.07


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275743.*
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INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  186.44  792.78  606.59   777.5 1277.94  761.69 1446.88  754.78
 1716.68  747.53  1874.9  746.08 2205.76  746.08 2521.61  745.02 3369.92  719.64
 3437.76  716.11 3523.97  713.92 3534.66  713.81 3725.16  717.88  3895.1  716.08
 4030.17  714.19  4175.2  710.27 4529.69  701.72 4961.74  694.18 5283.27  692.77
 5421.63  691.34 5572.18  686.53 5636.95  682.23 5980.07   680.2 6310.63  681.03
 6443.98  682.16  6652.3  674.32 6809.86   670.4 6877.26  666.48 6923.65  666.48
 7066.01  669.22 7271.93  679.25 7331.54  677.86 7454.08  676.57 7798.08  665.85
 7843.42   666.7 7989.77   665.5 8267.24  646.21 8280.57  644.69 8444.05  636.49
 8575.34  635.73 8816.05  642.18 8981.49  641.22  9154.8  632.38 9331.06  629.26
  9467.6  615.47 9483.91  615.28 9568.81  607.44 9728.12  595.68 9782.39  595.68
 9822.17  599.25 9942.19  628.28 10044.1  637.4410411.28   634.110561.03  626.66
10613.89   620.110815.39  618.2711054.34  628.2611338.68  625.6811940.01  621.76
13324.89  621.7613552.83  615.6814138.77  615.6814589.55   619.614646.45  623.52
14924.85  620.6914931.46  614.5515032.46  613.0315656.55  594.3316187.86  587.84
16246.45  582.8716452.75  579.1916505.97  574.3216589.73  567.7717019.77  567.77
17108.85  572.5717194.26  587.8417282.48  609.3117301.38   611.817538.51   635.7
17976.23   641.318409.21  643.65 20509.6   640.420624.22   640.420852.51  640.97
 21200.6  635.7722181.73  638.2422437.75  642.1624104.52  646.0824484.87  647.94
24905.78  651.9825552.77  662.8725775.56  663.9226884.06  663.9227515.98  657.84
27788.35  657.84 28359.3  653.9228595.72  651.6428766.35  650.9728905.61  647.84
29053.43  648.6829345.87  654.2629665.86  657.0530758.06  678.6131418.75  680.62
 32381.5  726.1132523.42  726.5433137.12  691.9233171.64  692.0334756.72  745.49
35794.44  743.5335990.84  745.3536340.84  762.4836382.07  763.0736687.01  761.32
37016.88  772.0937174.13  774.3237944.32     79038636.48  792.6138985.52     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516187.86     .1517194.26     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16187.8617194.26                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1502036.00   187546.50   1734561.00
  E.G. Slope (ft/ft)      0.000085    Area (sq ft)             1502036.00   187546.50   1734561.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2973017.00   557787.20   3199196.00
  Top Width (ft)          34965.58    Top Width (ft)           14865.70    1006.40   19093.48
  Vel Total (ft/s)            1.97    Avg. Vel. (ft/s)             1.98       2.97       1.84
  Max Chl Dpth (ft)         192.11    Hydr. Depth (ft)           101.04     186.35      90.85
  Conv. Total (cfs)       730272100.0    Conv. (cfs)             322602000.0   60525470.0   347144600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         14878.39    1008.60   19101.35
  Min Ch El (ft)            567.77    Shear (lb/sq ft)             0.54       0.99       0.48
  Alpha                       1.06    Stream Power (lb/ft s)       1.06       2.93       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    122579.30   21197.12   146742.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1113.00     102.57    1337.88


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275740.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  186.48  792.77  606.73  777.49 1278.24  761.69 1447.22  754.77
 1717.08  747.52 1875.34  746.07 2206.28  746.07  2522.2     745 3370.71  719.66
 3438.56  716.13  3524.8  713.93 3535.49  713.82 3726.03  717.87 3896.01  716.07
 4031.12  714.17 4176.17  710.25 4530.76   701.7  4962.9  694.17 5284.51  692.75
  5422.9  691.32 5573.49   686.5 5638.27  682.19 5981.47  680.16 6312.11  681.01
 6445.49  682.14 6653.86  674.28 6811.45  670.35 6878.87  666.42 6925.27  666.42
 7067.67  669.16 7273.63   679.2 7333.26  677.82 7455.83  676.54  7799.9  665.86
 7845.26  666.72 7991.64  665.56 8269.17   646.3 8282.51  644.78 8446.03  636.57
 8577.35  635.81 8818.12  642.28 8983.59  641.32 9156.94  632.46 9333.25  629.34
 9469.82  615.56 9486.13  615.37 9571.06  607.51  9730.4  595.72 9784.68  595.72
 9824.47   599.3 9944.52  628.3310046.46  637.5110413.72  634.1710563.51  626.73
10616.37  620.1810817.93  618.3511056.93  628.3111341.33  625.7211942.81  621.79
13328.01  621.79   13556  615.7214142.08  615.7214592.97  619.6514649.88  623.58
14928.35  620.7514934.95  614.6115035.98  613.0915660.22  594.3616191.65  587.86
16250.38  582.8916457.16  579.2116510.51  574.3316594.46  567.7717024.75  567.77
   17114  572.5617199.58  587.8617287.79  609.3117306.69  611.7917543.79  635.66
17981.47  641.2618414.39  643.6120514.56  640.3520629.16  640.3520857.43  640.93
21205.47  635.7322186.51  638.2122442.49  642.1424109.08  646.0724489.38  647.94
24910.25  651.9825557.18  662.8825779.94  663.9326888.32  663.9327520.17  657.86
27792.51  657.8628363.39  653.9328599.79  651.65 28770.4  650.9728909.64  647.83
29057.45  648.6729349.85  654.2529669.82  657.05 30761.9  678.5831422.51   680.6
32385.16  726.0232527.06  726.45 33140.7   691.933175.21  692.0134760.12   745.4
35797.72  743.46 35994.1  745.2936344.07  762.41 36385.3     763 36690.2  761.27
37020.02  772.0437177.27  774.2837947.37     79038639.45  792.6138988.45     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516191.65     .1517199.58     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16191.6517199.58                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1502070.00   187820.40   1734894.00
  E.G. Slope (ft/ft)      0.000085    Area (sq ft)             1502070.00   187820.40   1734894.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2971979.00   558452.70   3199568.00
  Top Width (ft)          34969.95    Top Width (ft)           14869.23    1007.93   19092.79
  Vel Total (ft/s)            1.97    Avg. Vel. (ft/s)             1.98       2.97       1.84
  Max Chl Dpth (ft)         192.11    Hydr. Depth (ft)           101.02     186.34      90.87
  Conv. Total (cfs)       730438700.0    Conv. (cfs)             322562900.0   60611510.0   347264200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         14881.93    1010.14   19100.65
  Min Ch El (ft)            567.77    Shear (lb/sq ft)             0.53       0.99       0.48
  Alpha                       1.06    Stream Power (lb/ft s)       1.06       2.93       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    122406.90   21175.58   146543.70
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  C & E Loss (ft)             0.00    Cum SA (acres)           1111.29     102.45    1335.69


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275737.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  186.53  792.77  606.87  777.47 1278.54  761.68 1447.55  754.76
 1717.48  747.52 1875.78  746.06  2206.8  746.06 2522.79  744.99  3371.5  719.67
 3439.37  716.14 3525.62  713.94 3536.32  713.83  3726.9  717.86 3896.92  716.06
 4032.06  714.16 4177.15  710.23 4531.82  701.68 4964.06  694.15 5285.74  692.73
 5424.17   691.3 5574.79  686.48 5639.59  682.15 5982.87  680.13 6313.59  680.99
    6447  682.12 6655.42  674.24 6813.05   670.3 6880.48  666.36 6926.89  666.36
 7069.33  669.11 7275.33  679.15 7334.97  677.77 7457.57  676.51 7801.73  665.86
 7847.09  666.74 7993.51  665.62 8271.11  646.38 8284.45  644.87 8448.01  636.64
 8579.36  635.88 8820.18  642.37 8985.69  641.42 9159.09  632.54 9335.43  629.41
 9472.04  615.66 9488.35  615.46  9573.3  607.58 9732.68  595.76 9786.97  595.76
 9826.77  599.35 9946.85  628.3710048.81  637.5810416.16  634.2310565.98   626.8
10618.86  620.2610820.46  618.4211059.52  628.3611343.99  625.7611945.61  621.82
13331.14  621.8213559.18  615.76 14145.4  615.7614596.39   619.714653.31  623.64
14931.84   620.814938.45  614.67 15039.5  613.1515663.88  594.3816195.44  587.88
16254.31   582.916461.57  579.2316515.05  574.34 16599.2  567.7717029.73  567.77
17119.16  572.56 17204.9  587.88 17293.1   609.317311.99  611.7917549.07  635.62
 17986.7  641.2318419.57  643.5720519.51   640.3 20634.1   640.320862.34  640.88
21210.35   635.722191.28  638.1822447.24  642.1224113.65  646.0624493.91  647.93
24914.72  651.9825561.58  662.8925784.32  663.9426892.58  663.9427524.36  657.88
27796.67  657.8828367.49  653.9428603.86  651.6528774.45  650.9728913.68  647.81
29061.47  648.6529353.84  654.2529673.77  657.0430765.73  678.5531426.28  680.57
32388.81  725.93 32530.7  726.3733144.27  691.8833178.78  691.9934763.52  745.31
35801.01  743.3835997.36  745.2236347.29  762.3436388.52  762.9336693.38  761.22
37023.18  771.99 37180.4  774.2437950.42     79038642.42  792.6238991.39     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516195.44     .15 17204.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16195.44 17204.9                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502121.00   188094.80   1735244.00
  E.G. Slope (ft/ft)      0.000085    Area (sq ft)            1502121.00   188094.80   1735244.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2970937.00   559113.10   3199950.00
  Top Width (ft)          34974.52    Top Width (ft)          14872.95    1009.46   19092.12
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.98       2.97       1.84
  Max Chl Dpth (ft)         192.11    Hydr. Depth (ft)          101.00     186.33      90.89
  Conv. Total (cfs)       730614900.0    Conv. (cfs)            322527600.0   60697820.0   347389500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14885.64    1011.67   19099.96
  Min Ch El (ft)            567.77    Shear (lb/sq ft)            0.53       0.98       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.06       2.93       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   122234.40   21154.01   146344.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1109.58     102.34    1333.50


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275734.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  186.57  792.76  607.01  777.46 1278.84  761.68 1447.89  754.75
 1717.88  747.51 1876.22  746.05 2207.31  746.05 2523.38  744.98 3372.29  719.69
 3440.17  716.16 3526.45  713.95 3537.14  713.84 3727.77  717.86 3897.84  716.05
    4033  714.15 4178.13  710.22 4532.88  701.66 4965.22  694.14 5286.98  692.71
 5425.44  691.29  5576.1  686.45 5640.91  682.12 5984.27   680.1 6315.07  680.96
 6448.51   682.1 6656.98   674.2 6814.65  670.25 6882.09   666.3 6928.51   666.3
 7070.98  669.06 7277.04   679.1 7336.69  677.73 7459.32  676.49 7803.56  665.87
 7848.93  666.75 7995.38  665.67 8273.05  646.47 8286.39  644.95 8449.98  636.71
 8581.37  635.95 8822.25  642.47  8987.8  641.51 9161.23  632.62 9337.62  629.48
 9474.25  615.75 9490.58  615.55 9575.54  607.65 9734.96   595.8 9789.26   595.8
 9829.07   599.4 9949.18  628.4210051.16  637.6510418.59  634.2910568.46  626.87
10621.35  620.33   10823  618.4911062.11   628.411346.65   625.8 11948.4  621.85
13334.26  621.8513562.36   615.814148.71   615.814599.81  619.7514656.74   623.7
14935.34  620.8514941.95  614.7315043.02  613.2115667.55  594.4116199.24   587.9
16258.24  582.9116465.98  579.2416519.58  574.3516603.93  567.7717034.71  567.77
17124.31  572.5617210.21   587.917298.41   609.3 17317.3  611.7917554.35  635.59
17991.93  641.1918424.76  643.5220524.47  640.2520639.05  640.2520867.26  640.83
21215.23  635.6622196.05  638.1522451.98   642.124118.21  646.0524498.43  647.93
 24919.2  651.9725565.98  662.91 25788.7  663.9526896.83  663.9527528.55   657.9
27800.83   657.928371.59  653.9528607.93  651.6628778.51  650.9628917.71   647.8
29065.49  648.6429357.83  654.2429677.72  657.0330769.57  678.5331430.04  680.55
32392.47  725.8532534.34  726.2833147.84  691.8633182.36  691.9734766.91  745.22
35804.29  743.3136000.63  745.1636350.52  762.2736391.73  762.8636696.57  761.18
37026.32  771.9537183.53   774.237953.47     79038645.39  792.6338994.32     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516199.24     .1517210.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16199.2417210.21                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502156.00   188367.00   1735585.00
  E.G. Slope (ft/ft)      0.000085    Area (sq ft)            1502156.00   188367.00   1735585.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2969894.00   559774.80   3200331.00
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  Top Width (ft)          34978.89    Top Width (ft)          14876.49    1010.97   19091.43
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.98       2.97       1.84
  Max Chl Dpth (ft)         192.11    Hydr. Depth (ft)          100.98     186.32      90.91
  Conv. Total (cfs)       730784500.0    Conv. (cfs)            322489200.0   60783760.0   347511500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14889.17    1013.18   19099.26
  Min Ch El (ft)            567.77    Shear (lb/sq ft)            0.53       0.98       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.06       2.93       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    122062.00   21132.40   146145.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1107.88     102.22    1331.30


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275731.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  186.61  792.76  607.15  777.45 1279.14  761.68 1448.23  754.75
 1718.29   747.5 1876.66  746.04 2207.83  746.04 2523.97  744.97 3373.08  719.71
 3440.98  716.18 3527.27  713.96 3537.97  713.85 3728.65  717.85 3898.75  716.04
 4033.95  714.13 4179.11   710.2 4533.94  701.64 4966.39  694.12 5288.22  692.69
 5426.71  691.27  5577.4  686.42 5642.24  682.08 5985.68  680.06 6316.55  680.94
 6450.02  682.08 6658.54  674.16 6816.24   670.2  6883.7  666.24 6930.14  666.24
 7072.64     669 7278.74  679.04 7338.41  677.68 7461.07  676.46 7805.38  665.88
 7850.77  666.77 7997.26  665.73 8274.99  646.56 8288.33  645.04 8451.96  636.78
 8583.38  636.03 8824.32  642.56  8989.9  641.61 9163.38  632.69  9339.8  629.56
 9476.47  615.84  9492.8  615.64 9577.78  607.72 9737.24  595.84 9791.56  595.84
 9831.37  599.45 9951.51  628.4710053.52  637.7210421.03  634.3510570.93  626.94
10623.83  620.4110825.53  618.56 11064.7  628.45 11349.3  625.84 11951.2  621.88
13337.38  621.8813565.53  615.8414152.02  615.8414603.23   619.814660.17  623.76
14938.84   620.914945.45   614.815046.54  613.2715671.22  594.4316203.03  587.92
16262.17  582.92 16470.4  579.2616524.12  574.3616608.66  567.7617039.68  567.76
17129.46  572.5517215.53  587.9217303.71   609.3 17322.6  611.7817559.63  635.55
17997.16  641.1618429.94  643.4820529.42   640.220643.99   640.220872.18  640.78
21220.11  635.6322200.82  638.1222456.72  642.0824122.77  646.0424502.95  647.92
24923.67  651.9725570.39  662.9225793.08  663.9626901.09  663.9627532.74  657.92
27804.99  657.9228375.68  653.96   28612  651.6628782.56  650.9628921.75  647.79
29069.51  648.6229361.82  654.2329681.68  657.02 30773.4   678.5 31433.8  680.52
32396.13  725.7632537.98   726.233151.42  691.8433185.93  691.9534770.31  745.13
35807.57  743.2436003.89   745.136353.74   762.236394.95  762.7936699.75  761.13
37029.48   771.937186.66  774.1637956.52     79038648.37  792.6338997.26     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516203.03     .1517215.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16203.0317215.53                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502204.00   188646.90   1735928.00
  E.G. Slope (ft/ft)      0.000085    Area (sq ft)            1502204.00   188646.90   1735928.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2968861.00   560458.90   3200680.00
  Top Width (ft)          34983.20    Top Width (ft)          14879.96    1012.50   19090.74
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.98       2.97       1.84
  Max Chl Dpth (ft)         192.12    Hydr. Depth (ft)          100.95     186.32      90.93
  Conv. Total (cfs)       730964200.0    Conv. (cfs)            322456400.0   60873020.0   347634900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14892.63    1014.71   19098.54
  Min Ch El (ft)            567.76    Shear (lb/sq ft)            0.53       0.98       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.05       2.92       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    121889.60   21110.76   145946.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1106.17     102.11    1329.11


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275728.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  186.66  792.76   607.3  777.44 1279.44  761.68 1448.57  754.74
 1718.69   747.5  1877.1  746.03 2208.35  746.03 2524.56  744.95 3373.86  719.73
 3441.79  716.19  3528.1  713.97  3538.8  713.86 3729.52  717.85 3899.66  716.03
 4034.89  714.12 4180.09  710.18    4535  701.62 4967.55  694.11 5289.46  692.68
 5427.98  691.25 5578.71  686.39 5643.56  682.04 5987.08  680.03 6318.03  680.92
 6451.53  682.06  6660.1  674.12 6817.84  670.15 6885.31  666.18 6931.76  666.18
 7074.29  668.95 7280.45  678.99 7340.13  677.63 7462.81  676.43 7807.21  665.88
 7852.61  666.79 7999.13  665.79 8276.92  646.65 8290.27  645.13 8453.94  636.85
 8585.39   636.1 8826.38  642.66 8992.01  641.71 9165.52  632.77 9341.99  629.63
 9478.69  615.93 9495.02  615.73 9580.02  607.79 9739.52  595.88 9793.85  595.88
 9833.67   599.5 9953.84  628.5110055.87  637.7910423.47  634.41 10573.4     627
10626.32  620.4910828.07  618.6311067.29   628.511351.96  625.88   11954  621.91
 13340.5  621.9113568.71  615.8814155.34  615.8814606.65  619.8514663.61  623.82
14942.33  620.9614948.95  614.8615050.07  613.3415674.89  594.4616206.82  587.94
 16266.1  582.9316474.81  579.2816528.66  574.37 16613.4  567.7617044.66  567.76
17134.61  572.5517220.85  587.9417309.02   609.317327.91  611.7817564.91  635.51
18002.39  641.1218435.12  643.4420534.38  640.1520648.93  640.15 20877.1  640.73
21224.99  635.5922205.59  638.0922461.47  642.0624127.33  646.0324507.46  647.91
24928.14  651.9725574.79  662.9325797.46  663.9726905.35  663.9727536.93  657.94
27809.15  657.9428379.78  653.9728616.07  651.6628786.61  650.9628925.79  647.78
29073.53  648.6129365.81  654.2329685.63  657.0230777.23  678.4731437.56   680.5
32399.78  725.6732541.62  726.1133154.99  691.82 33189.5  691.9334773.71  745.05
35810.86  743.1736007.15  745.0436356.96  762.1336398.18  762.7236702.94  761.08
37032.62  771.86 37189.8  774.1237959.57     79038651.34  792.64 39000.2     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516206.82     .1517220.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16206.8217220.85                5       5       5             .1       .3
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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502236.00   188921.10   1736252.00
  E.G. Slope (ft/ft)      0.000085    Area (sq ft)            1502236.00   188921.10   1736252.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2967835.00   561127.10   3201038.00
  Top Width (ft)          34987.56    Top Width (ft)          14883.49    1014.03   19090.04
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.98       2.97       1.84
  Max Chl Dpth (ft)         192.12    Hydr. Depth (ft)          100.93     186.31      90.95
  Conv. Total (cfs)       731127700.0    Conv. (cfs)             322417000.0   60959230.0   347751600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14896.16    1016.24   19097.83
  Min Ch El (ft)            567.76    Shear (lb/sq ft)            0.53       0.98       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.05       2.92       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    121717.20   21089.09   145746.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1104.46     101.99    1326.92


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275725.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   186.7  792.75  607.44  777.42 1279.74  761.67 1448.91  754.73
 1719.09  747.49 1877.54  746.02 2208.86  746.02 2525.16  744.94 3374.65  719.74
 3442.59  716.21 3528.92  713.98 3539.63  713.87 3730.39  717.84 3900.57  716.02
 4035.84   714.1 4181.07  710.17 4536.06   701.6 4968.71  694.09  5290.7  692.66
 5429.25  691.23 5580.01  686.37 5644.88  682.01 5988.48     680  6319.5   680.9
 6453.04  682.04 6661.66  674.08 6819.43   670.1 6886.93  666.12 6933.38  666.12
 7075.95   668.9 7282.15  678.94 7341.85  677.59 7464.56   676.4 7809.04  665.89
 7854.45   666.8    8001  665.84 8278.86  646.74 8292.21  645.22 8455.92  636.92
  8587.4  636.17 8828.45  642.75 8994.11   641.8 9167.67  632.85 9344.18  629.71
 9480.91  616.02 9497.24  615.82 9582.27  607.86  9741.8  595.92 9796.14  595.92
 9835.98  599.55 9956.17  628.5610058.22  637.8610425.91  634.4710575.88  627.07
10628.81  620.56 10830.6  618.7111069.88  628.5411354.62  625.92 11956.8  621.94
13343.63  621.9413571.88  615.9214158.65  615.9214610.06   619.914667.04  623.88
14945.83  621.0114952.45  614.9215053.59   613.415678.56  594.4916210.61  587.96
16270.03  582.9416479.22   579.3 16533.2  574.3816618.13  567.7617049.64  567.76
17139.76  572.5417226.17  587.9617314.33   609.317333.21  611.7817570.19  635.48
18007.62  641.0918440.31   643.420539.33   640.120653.87   640.120882.01  640.68
21229.87  635.5522210.36  638.0622466.21  642.0424131.89  646.0224511.99  647.91
24932.62  651.9625579.19  662.9425801.83  663.9826909.61  663.9827541.12  657.96
 27813.3  657.9628383.88  653.9828620.14  651.6728790.66  650.9628929.83  647.76
29077.55  648.59 29369.8  654.2229689.58  657.0130781.07  678.4431441.32  680.48
32403.44  725.5932545.27  726.0333158.57   691.833193.07  691.9134777.11  744.96
35814.14   743.136010.41  744.9736360.19  762.0636401.39  762.6636706.13  761.03
37035.78  771.8137192.93  774.0837962.61     79038654.32  792.6539003.13     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516210.61     .1517226.17     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16210.6117226.17                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502279.00   189196.20   1736588.00
  E.G. Slope (ft/ft)      0.000085    Area (sq ft)            1502279.00   189196.20   1736588.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2966798.00   561795.10   3201407.00
  Top Width (ft)          34992.14    Top Width (ft)          14887.21    1015.56   19089.38
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.97       2.97       1.84
  Max Chl Dpth (ft)         192.12    Hydr. Depth (ft)          100.91     186.30      90.97
  Conv. Total (cfs)       731296400.0    Conv. (cfs)             322378800.0   61045880.0   347871800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14899.87    1017.78   19097.16
  Min Ch El (ft)            567.76    Shear (lb/sq ft)            0.53       0.98       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.05       2.92       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    121544.70   21067.39   145547.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1102.75     101.87    1324.73


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275722.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  186.75  792.75  607.58  777.41 1280.04  761.67 1449.25  754.72
 1719.49  747.48 1877.97  746.01 2209.38  746.01 2525.75  744.93 3375.44  719.76
  3443.4  716.22 3529.75  713.99 3540.46  713.88 3731.27  717.84 3901.49  716.01
 4036.78  714.09 4182.04  710.15 4537.12  701.58 4969.87  694.08 5291.93  692.64
 5430.52  691.21 5581.32  686.34  5646.2  681.97 5989.88  679.96 6320.98  680.87
 6454.55  682.02 6663.21  674.04 6821.03  670.05 6888.54  666.06    6935  666.06
  7077.6  668.85 7283.85  678.88 7343.56  677.54 7466.31  676.38 7810.87   665.9
 7856.28  666.82 8002.87   665.9  8280.8  646.83 8294.15  645.31  8457.9  636.99
 8589.41  636.24 8830.51  642.85 8996.22   641.9 9169.81  632.93 9346.36  629.78
 9483.13  616.11 9499.46  615.91 9584.51  607.93 9744.08  595.96 9798.43  595.96
 9838.28   599.6  9958.5  628.6110060.58  637.9310428.35  634.5410578.35  627.14
10631.29  620.6410833.13  618.7811072.47  628.5911357.27  625.9611959.59  621.97
13346.75  621.9713575.06  615.9614161.96  615.9614613.48  619.9514670.47  623.94
14949.33  621.0614955.95  614.9815057.11  613.4615682.23  594.5116214.41  587.98
16273.96  582.9616483.64  579.3216537.74  574.3916622.87  567.7617054.62  567.76
17144.91  572.5417231.48  587.9817319.63   609.317338.52  611.7717575.47  635.44
18012.86  641.0518445.49  643.3620544.29  640.0520658.81  640.0520886.93  640.63
21234.75  635.5222215.14  638.0322470.96  642.0224136.45  646.0124516.51   647.9
24937.09  651.96 25583.6  662.9525806.21  663.9926913.87  663.99 27545.3  657.98
27817.46  657.9828387.97  653.9928624.21  651.6728794.71  650.9628933.86  647.75
29081.57  648.5829373.79  654.2129693.54     657 30784.9  678.4131445.09  680.45
 32407.1   725.532548.91  725.9433162.14  691.7833196.64  691.89 34780.5  744.87
35817.43  743.0336013.68  744.9136363.41  761.9936404.61  762.5936709.31  760.99
37038.93  771.7737196.07  774.0437965.66     79038657.29  792.6539006.07     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516214.41     .1517231.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16214.4117231.48                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502320.00   189465.50   1736939.00
  E.G. Slope (ft/ft)      0.000085    Area (sq ft)            1502320.00   189465.50   1736939.00
  Q Total (cfs)           6730000.00    Flow (cfs)            2965759.00   562438.10   3201803.00
  Top Width (ft)          34996.51    Top Width (ft)          14890.75    1017.07   19088.69
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.97       2.97       1.84
  Max Chl Dpth (ft)         192.12    Hydr. Depth (ft)          100.89     186.29      90.99
  Conv. Total (cfs)       731470100.0    Conv. (cfs)            322342300.0   61130260.0   347997500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14903.41    1019.29   19096.46
  Min Ch El (ft)            567.76    Shear (lb/sq ft)            0.53       0.98       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.05       2.92       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    121372.30   21045.66   145348.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1101.04     101.76    1322.54


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275719.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev
       0     800  186.79  792.74  607.72   777.4 1280.34  761.67 1449.59  754.71
 1719.89  747.48 1878.41    746  2209.9     746 2526.34  744.91 3376.23  719.78
  3444.2  716.24 3530.58    714 3541.28  713.88 3732.14  717.83  3902.4     716
 4037.73  714.07 4183.02  710.13 4538.18  701.57 4971.04  694.06 5293.17  692.62
 5431.79  691.19 5582.62  686.31 5647.52  681.93 5991.28  679.93 6322.46  680.85
 6456.06     682 6664.77    674 6822.62     670 6890.15    666 6936.63     666
 7079.26  668.79 7285.56  678.83 7345.28   677.5 7468.05  676.35 7812.69   665.9
 7858.12  666.84 8004.74  665.96 8282.74  646.92 8296.09   645.4 8459.88  637.07
 8591.42  636.32 8832.58  642.94 8998.32     642 9171.96  633.01 9348.55  629.86
 9485.35   616.2 9501.69    616 9586.75     608 9746.35    596 9800.72     596
 9840.58  599.65 9960.83  628.6510062.93    63810430.79  634.610580.83  627.21
10633.78  620.7210835.67  618.8511075.06  628.6411359.93    62611962.39     622
13349.87    62213578.23    61614165.27     616 14616.9    620 14673.9     624
14952.83  621.1214959.44  615.0515060.63  613.52 15685.9  594.54 16218.2     588
16277.89  582.9716488.05  579.3316542.27   574.4 16627.6  567.76 17059.6  567.76
17150.07  572.53 17236.8    58817324.94  609.2917343.83  611.7717580.75  635.41
18018.09  641.0218450.68  643.3220549.24    64020663.76    64020891.85  640.59
21239.63  635.4822219.91    638 22475.7    64224141.02    64624521.03   647.9
24941.57  651.96   25588  662.9625810.59    66426918.12    66427549.49     658
27821.62    65828392.07    65428628.28  651.6828798.77  650.96 28937.9  647.74
29085.59  648.5729377.78  654.2129697.49  656.9930788.74  678.3831448.85  680.43
32410.75  725.4132552.55  725.8633165.71  691.7633200.21  691.87 34783.9  744.78
35820.71  742.9536016.94  744.8536366.64  761.9236407.83  762.52 36712.5  760.94
37042.08  771.72 37199.2    77437968.71    79038660.26  792.66   39009     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 16218.2     .15 17236.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       16218.2 17236.8                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502357.00   189742.00   1737269.00
  E.G. Slope (ft/ft)      0.000085    Area (sq ft)            1502357.00   189742.00   1737269.00
  Q Total (cfs)           6730000.00    Flow (cfs)            2964729.00   563112.80   3202158.00
  Top Width (ft)          35000.88    Top Width (ft)          14894.28    1018.60   19088.00
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.97       2.97       1.84
  Max Chl Dpth (ft)         192.12    Hydr. Depth (ft)          100.87     186.28      91.01
  Conv. Total (cfs)       731638700.0    Conv. (cfs)            322304700.0   61217700.0   348116300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14906.94    1020.82   19095.76
  Min Ch El (ft)            567.76    Shear (lb/sq ft)            0.53       0.98       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.05       2.91       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    121199.80   21023.90   145148.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1099.33     101.64    1320.35


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275716.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev
       0     800  186.83  792.74  607.86  777.39 1280.64  761.66 1449.93  754.71
  1720.3  747.47 1878.85  745.99 2210.42  745.99 2526.93   744.9 3377.02  719.79
 3445.01  716.25  3531.4  714.01 3542.11  713.89 3733.01  717.83 3903.31  715.99
 4038.67  714.06    4184  710.11 4539.25  701.55  4972.2  694.05 5294.41   692.6
 5433.06  691.17 5583.93  686.29 5648.84   681.9 5992.68   679.9 6323.94  680.83
 6457.57  681.98 6666.33  673.96 6824.22  669.95 6891.76  665.94 6938.25  665.94
 7080.92  668.74 7287.26  678.78    7347  677.45  7469.8  676.32 7814.52  665.91
 7859.96  666.86 8006.62  666.01 8284.67     647 8298.03  645.49 8461.86  637.14
 8593.43  636.39 8834.64  643.04 9000.43  642.09  9174.1  633.09 9350.74  629.93
 9487.57  616.29 9503.91  616.09 9588.99  608.07 9748.63  596.04 9803.02  596.04
 9842.88   599.7 9963.16   628.710065.28  638.0710433.23  634.66 10583.3  627.28
10636.27   620.8 10838.2  618.9211077.65  628.6811362.59  626.0411965.19  622.03
13352.99  622.0313581.41  616.0414168.59  616.0414620.32  620.0514677.33  624.06
14956.32  621.1714962.94  615.1115064.16  613.5815689.56  594.5616221.99  588.02
16281.82  582.9816492.46  579.3516546.81   574.416632.33  567.7617064.58  567.76
17155.22  572.5317242.12  588.0217330.25  609.2917349.13  611.7717586.03  635.37
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18023.32  640.9818455.86  643.2720554.19  639.95 20668.7  639.9520896.76  640.54
21244.51  635.4422224.68  637.9722480.44  641.9824145.58  645.9924525.54  647.89
24946.04  651.95 25592.4  662.9825814.97  664.0126922.38  664.0127553.68  658.02
27825.78  658.0228396.17  654.0128632.35  651.6828802.82  650.9628941.94  647.72
29089.62  648.5529381.76   654.229701.45  656.9830792.57  678.3531452.61  680.41
32414.41  725.3332556.19  725.7733169.29  691.7433203.78  691.85 34787.3  744.69
35823.99  742.88 36020.2  744.7836369.86  761.8536411.05  762.4536715.69  760.89
37045.23  771.6737202.33  773.9637971.76     79038663.23  792.6739011.93     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516221.99     .1517242.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16221.9917242.12                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502401.00   190016.50   1737631.00
  E.G. Slope (ft/ft)      0.000085    Area (sq ft)            1502401.00   190016.50   1737631.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2963667.00   563770.00   3202563.00
  Top Width (ft)          35005.39    Top Width (ft)          14897.93    1020.13   19087.33
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.97       2.97       1.84
  Max Chl Dpth (ft)         192.12    Hydr. Depth (ft)          100.85     186.27      91.04
  Conv. Total (cfs)       731817700.0    Conv. (cfs)            322268100.0   61304140.0   348245500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14910.58    1022.35   19095.07
  Min Ch El (ft)            567.76    Shear (lb/sq ft)            0.53       0.98       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.05       2.91       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    121027.40   21002.10   144949.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1097.62     101.52    1318.16


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275714.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  186.88  792.73  608.01  777.37 1280.94  761.66 1450.27   754.7
  1720.7  747.47 1879.29  745.98 2210.93  745.98 2527.52  744.89 3377.81  719.81
 3445.81  716.27 3532.23  714.02 3542.94   713.9 3733.88  717.82 3904.23  715.98
 4039.61  714.04 4184.98   710.1 4540.31  701.53 4973.36  694.03 5295.65  692.58
 5434.33  691.15 5585.24  686.26 5650.16  681.86 5994.08  679.86 6325.42   680.8
 6459.08  681.96 6667.89  673.92 6825.81   669.9 6893.37  665.88 6939.87  665.88
 7082.57  668.69 7288.97  678.72 7348.72   677.4 7471.55   676.3 7816.35  665.92
  7861.8  666.87 8008.49  666.07 8286.61  647.09 8299.97  645.57 8463.83  637.21
 8595.44  636.46 8836.71  643.13 9002.53  642.19 9176.25  633.16 9352.92  630.01
 9489.78  616.38 9506.13  616.18 9591.23  608.14 9750.91  596.08 9805.31  596.08
 9845.18  599.75 9965.49  628.7510067.64  638.1410435.67  634.7210585.78  627.34
10638.76  620.8710840.74  618.9911080.24  628.7311365.24  626.0811967.99  622.06
13356.11  622.0613584.58  616.08 14171.9  616.0814623.74   620.114680.77  624.12
14959.82  621.2214966.44  615.1715067.68  613.6415693.23  594.5916225.79  588.04
16285.75  582.9916496.88  579.3716551.35  574.4116637.07  567.7617069.56  567.76
17160.37  572.5317247.43  588.0417335.56  609.2917354.44  611.7717591.31  635.33
18028.55  640.9518461.05  643.2320559.15   639.920673.64   639.920901.68  640.49
21249.38  635.4122229.45  637.9422485.19  641.9624150.14  645.9824530.07  647.89
24950.52  651.9525596.81  662.9925819.35  664.0226926.64  664.0227557.87  658.04
27829.94  658.0428400.26  654.0228636.43  651.6928806.87  650.9528945.97  647.71
29093.64  648.5429385.75  654.19 29705.4  656.9830796.41  678.3231456.37  680.38
32418.07  725.2432559.83  725.6833172.86  691.7233207.35  691.82 34790.7  744.61
35827.28  742.8136023.46  744.7236373.09  761.7836414.27  762.3836718.87  760.84
37048.38  771.6337205.46  773.9237974.81     79038666.21  792.6739014.87     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516225.79     .1517247.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16225.7917247.43                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502446.00   190287.10   1737960.00
  E.G. Slope (ft/ft)      0.000085    Area (sq ft)            1502446.00   190287.10   1737960.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2962665.00   564421.90   3202914.00
  Top Width (ft)          35009.77    Top Width (ft)          14901.47    1021.64   19086.66
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.97       2.97       1.84
  Max Chl Dpth (ft)         192.12    Hydr. Depth (ft)          100.83     186.26      91.06
  Conv. Total (cfs)       731986200.0    Conv. (cfs)            322233200.0   61389170.0   348363800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14914.13    1023.86   19094.38
  Min Ch El (ft)            567.76    Shear (lb/sq ft)            0.53       0.98       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.05       2.91       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    120854.90   20980.28   144749.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1095.91     101.40    1315.97


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275711.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  186.92  792.73  608.15  777.36 1281.24  761.66 1450.61  754.69
  1721.1  747.46 1879.73  745.97 2211.45  745.97 2528.11  744.88  3378.6  719.83
 3446.62  716.29 3533.05  714.03 3543.77  713.91 3734.76  717.82 3905.14  715.97
 4040.56  714.03 4185.96  710.08 4541.37  701.51 4974.52  694.02 5296.89  692.57
  5435.6  691.14 5586.54  686.23 5651.48  681.82 5995.48  679.83  6326.9  680.78
 6460.59  681.94 6669.45  673.88 6827.41  669.85 6894.98  665.82 6941.49  665.82
 7084.23  668.63 7290.67  678.67 7350.44  677.36 7473.29  676.27 7818.17  665.92
 7863.63  666.89 8010.36  666.13 8288.55  647.18 8301.91  645.66 8465.81  637.28
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 8597.45  636.53 8838.78  643.23 9004.63  642.29 9178.39  633.24 9355.11  630.08
    9492  616.47 9508.35  616.27 9593.48  608.21 9753.19  596.12  9807.6  596.12
 9847.48   599.8 9967.82  628.7910069.99  638.2110438.11  634.7810588.25  627.41
10641.24  620.9510843.27  619.0711082.83  628.78 11367.9  626.1211970.78  622.09
13359.24  622.0913587.76  616.1214175.21  616.1214627.16  620.15 14684.2  624.18
14963.32  621.2714969.94  615.23 15071.2   613.7 15696.9  594.6116229.58  588.06
16289.68     58316501.29  579.3916555.89  574.42 16641.8  567.7617074.54  567.76
17165.52  572.5217252.75  588.0617340.87  609.2917359.74  611.7617596.59   635.3
18033.78  640.9118466.23  643.19 20564.1  639.8520678.58  639.85 20906.6  640.44
21254.26  635.3722234.22  637.9122489.93  641.94 24154.7  645.9724534.59  647.88
24954.99  651.9525601.21     66325823.73  664.03 26930.9  664.0327562.06  658.06
 27834.1  658.0628404.36  654.03 28640.5  651.6928810.92  650.9528950.01   647.7
29097.66  648.5229389.74  654.1829709.35  656.9730800.24  678.2931460.13  680.36
32421.72  725.1632563.47   725.633176.44   691.733210.92   691.834794.09  744.52
35830.56  742.7436026.73  744.6636376.31  761.7136417.49  762.3136722.06   760.8
37051.53  771.58 37208.6  773.8837977.86     79038669.18  792.68 39017.8     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516229.58     .1517252.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16229.5817252.75                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502480.00   190562.00   1738297.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1502480.00   190562.00   1738297.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2961624.00   565087.50   3203288.00
  Top Width (ft)          35014.14    Top Width (ft)          14905.00    1023.17   19085.97
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.97       2.97       1.84
  Max Chl Dpth (ft)         192.12    Hydr. Depth (ft)          100.80     186.25      91.08
  Conv. Total (cfs)       732155300.0    Conv. (cfs)            322194500.0   61475750.0   348485100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14917.65    1025.40   19093.68
  Min Ch El (ft)            567.76    Shear (lb/sq ft)            0.53       0.98       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.05       2.91       0.88
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    120682.50   20958.42   144550.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1094.20     101.29    1313.78


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275708.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  186.96  792.72  608.29  777.35 1281.54  761.66 1450.94  754.68
  1721.5  747.45 1880.17  745.96 2211.97  745.96  2528.7  744.86 3379.39  719.85
 3447.42   716.3 3533.88  714.04  3544.6  713.92 3735.63  717.81 3906.05  715.96
  4041.5  714.01 4186.94  710.06 4542.43  701.49 4975.69     694 5298.12  692.55
 5436.87  691.12 5587.85   686.2  5652.8  681.79 5996.89   679.8 6328.38  680.76
  6462.1  681.92 6671.01  673.84 6829.01   669.8 6896.59  665.76 6943.12  665.76
 7085.88  668.58 7292.37  678.62 7352.15  677.31 7475.04  676.24    7820  665.93
 7865.47  666.91 8012.23  666.18 8290.48  647.27 8303.85  645.75 8467.79  637.35
 8599.46  636.61 8840.84  643.32 9006.74  642.38 9180.54  633.32 9357.29  630.16
 9494.22  616.56 9510.58  616.36 9595.72  608.28 9755.47  596.16 9809.89  596.16
 9849.78  599.84 9970.15  628.8410072.34  638.2810440.55  634.8410590.73  627.48
10643.73  621.03 10845.8  619.1411085.42  628.8211370.56  626.1611973.58  622.12
13362.36  622.1213590.94  616.1614178.53  616.1614630.57   620.214687.63  624.24
14966.81  621.3314973.44   615.315074.72  613.7615700.57  594.6416233.37  588.08
16293.61  583.0116505.71   579.416560.42  574.4316646.54  567.7617079.52  567.76
17170.67  572.5217258.07  588.0817346.17  609.2917365.05  611.7617601.87  635.26
18039.01  640.8818471.41  643.1520569.06   639.820683.53   639.820911.52  640.39
21259.14  635.3422238.99  637.8822494.67  641.9224159.26  645.9624539.11  647.88
24959.46  651.9425605.61  663.0125828.11  664.0426935.15  664.0427566.25  658.08
27838.26  658.0828408.46  654.0428644.57  651.6928814.97  650.9528954.05  647.69
29101.68  648.5129393.73  654.1829713.31  656.9630804.07  678.26 31463.9  680.33
32425.38  725.0732567.11  725.5133180.01  691.6833214.49  691.7834797.49  744.43
35833.84  742.6736029.99   744.636379.53  761.6436420.71  762.2436725.25  760.75
37054.68  771.5437211.73  773.8437980.91     79038672.15  792.6939020.74     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516233.37     .1517258.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16233.3717258.07                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502525.00   190837.40   1738639.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1502525.00   190837.40   1738639.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2960598.00   565750.60   3203652.00
  Top Width (ft)          35018.52    Top Width (ft)          14908.54    1024.70   19085.28
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.97       2.96       1.84
  Max Chl Dpth (ft)         192.12    Hydr. Depth (ft)          100.78     186.24      91.10
  Conv. Total (cfs)       732330400.0    Conv. (cfs)            322159800.0   61562610.0   348608000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14921.18    1026.93   19092.97
  Min Ch El (ft)            567.76    Shear (lb/sq ft)            0.53       0.98       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.05       2.90       0.88
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    120510.00   20936.53   144350.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1092.49     101.17    1311.59


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275705.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
```

```
       0     800  187.01  792.72  608.43  777.34 1281.84  761.65 1451.28  754.68
 1721.91  747.45 1880.61  745.95 2212.48  745.95 2529.29  744.85 3380.18  719.86
 3448.23  716.32  3534.7  714.05 3545.43  713.93  3736.5   717.8 3906.96  715.95
 4042.45     714 4187.91  710.05 4543.49  701.47 4976.85  693.99 5299.36  692.53
 5438.14   691.1 5589.15  686.18 5654.12  681.75 5998.29  679.76 6329.85  680.74
 6463.61   681.9 6672.57   673.8  6830.6  669.75 6898.21   665.7 6944.74   665.7
 7087.54  668.53 7294.08  678.57 7353.87  677.27 7476.79  676.21 7821.83  665.94
 7867.31  666.92  8014.1  666.24 8292.42  647.36 8305.79  645.84 8469.77  637.42
 8601.47  636.68 8842.91  643.42 9008.84  642.48 9182.68   633.4 9359.48  630.23
 9496.44  616.65  9512.8  616.45 9597.96  608.35 9757.75   596.2 9812.19   596.2
 9852.09  599.89 9972.48  628.89 10074.7  638.3510442.99   634.9 10593.2  627.55
10646.22   621.110848.34  619.2111088.01  628.8711373.21   626.211976.38  622.15
13365.48  622.1513594.11   616.214181.84   616.214633.99  620.2514691.06   624.3
14970.31  621.3814976.94  615.3615078.25  613.8215704.24  594.6716237.17   588.1
16297.54  583.0316510.12  579.4216564.96  574.4416651.27  567.7517084.49  567.75
17175.82  572.5117263.38   588.117351.48  609.2917370.35  611.7617607.14  635.22
18044.24  640.84 18476.6  643.1120574.01  639.7520688.47  639.7520916.43  640.34
21264.02   635.322243.77  637.8522499.42   641.924163.82  645.9524543.63  647.87
24963.94  651.9425610.02  663.0225832.49  664.0526939.41  664.0527570.44   658.1
27842.42   658.128412.55  654.0528648.64   651.728819.03  650.9528958.08  647.67
 29105.7  648.4929397.72  654.1729717.26  656.9530807.91  678.2331467.66  680.31
32429.04  724.9832570.76  725.4333183.59  691.6633218.06  691.7634800.89  744.34
35837.13   742.636033.25  744.5336382.76  761.5736423.93  762.1736728.43   760.7
37057.83  771.4937214.86   773.837983.96     79038675.12  792.6939023.68     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516237.17     .1517263.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16237.1717263.38                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502560.00   191112.70   1738988.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1502560.00   191112.70   1738988.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2959534.00   566421.70   3204045.00
  Top Width (ft)          35023.04    Top Width (ft)          14912.20    1026.21   19084.63
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.97       2.96       1.84
  Max Chl Dpth (ft)         192.13    Hydr. Depth (ft)          100.76     186.23      91.12
  Conv. Total (cfs)       732502500.0    Conv. (cfs)             322119800.0   61650120.0   348732600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14924.84    1028.44   19092.31
  Min Ch El (ft)            567.75    Shear (lb/sq ft)            0.53       0.98       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.05       2.90       0.88
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    120337.50   20914.61   144151.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1090.78     101.05    1309.39


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275702.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  187.05  792.71  608.57  777.33 1282.13  761.65 1451.62  754.67
 1722.31  747.44 1881.05  745.94    2213  745.94 2529.88  744.84 3380.97  719.88
 3449.04  716.33 3535.53  714.06 3546.25  713.94 3737.38   717.8 3907.88  715.94
 4043.39  713.98 4188.89  710.03 4544.55  701.45 4978.01  693.97  5300.6  692.51
 5439.41  691.08 5590.46  686.15 5655.44  681.72 5999.69  679.73 6331.33  680.71
 6465.12  681.88 6674.13  673.76  6832.2   669.7 6899.82  665.64 6946.36  665.64
 7089.19  668.47 7295.78  678.51 7355.59  677.22 7478.53  676.19 7823.66  665.95
 7869.15  666.94 8015.98   666.3 8294.36  647.45 8307.73  645.93 8471.75   637.5
 8603.47  636.75 8844.97  643.51 9010.95  642.58 9184.83  633.48 9361.67  630.31
 9498.66  616.74 9515.02  616.54  9600.2  608.42 9760.03  596.24 9814.48  596.24
 9854.39  599.94  9974.8  628.9310077.05  638.4210445.43  634.9710595.68  627.62
 10648.7  621.1810850.87  619.28 11090.6  628.9211375.87  626.2411979.18  622.18
 13368.6  622.1813597.29  616.2414185.15  616.2414637.41   620.314694.49  624.36
14973.81  621.4314980.44  615.4215081.77  613.8815707.91  594.6916240.96  588.12
16301.47  583.0416514.53  579.44 16569.5  574.45   16656  567.7517089.47  567.75
17180.97  572.51 17268.7  588.1217356.79  609.2817375.66  611.7517612.42  635.19
18049.48  640.8118481.78  643.0720578.97   639.720693.41   639.720921.35   640.3
 21268.9  635.2622248.54  637.8222504.16  641.8824168.38  645.9424548.15  647.87
24968.41  651.9425614.42  663.0325836.87  664.0626943.67  664.0627574.63  658.12
27846.58  658.1228416.65  654.0628652.71   651.728823.08  650.9528962.12  647.66
29109.72  648.4829401.71  654.1629721.21  656.9530811.74  678.2131471.42  680.29
 32432.7   724.9 32574.4  725.3433187.16  691.6333221.63  691.7434804.29  744.25
35840.41  742.5336036.51  744.4736385.98   761.536427.15  762.1136731.62  760.65
37060.98  771.45   37218  773.76   37987     790 38678.1   792.739026.61     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516240.96     .15 17268.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16240.96 17268.7                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502600.00   191386.30   1739304.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1502600.00   191386.30   1739304.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2958536.00   567085.30   3204379.00
  Top Width (ft)          35027.42    Top Width (ft)          14915.74    1027.74   19083.94
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.97       2.96       1.84
  Max Chl Dpth (ft)         192.13    Hydr. Depth (ft)          100.74     186.22      91.14
  Conv. Total (cfs)       732665900.0    Conv. (cfs)             322082900.0   61736110.0   348846800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14928.37    1029.97   19091.60
  Min Ch El (ft)            567.75    Shear (lb/sq ft)            0.53       0.98       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.04       2.90       0.88
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    120165.10   20892.65   143951.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1089.07     100.93    1307.20


CROSS SECTION
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RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275699.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  187.09  792.71  608.72  777.31 1282.43  761.65 1451.96  754.66
 1722.71  747.43 1881.49  745.93 2213.52  745.93 2530.47  744.83 3381.76   719.9
 3449.84  716.35 3536.36  714.07 3547.08  713.95 3738.25  717.79 3908.79  715.93
 4044.34  713.97 4189.87  710.01 4545.61  701.43 4979.17  693.96 5301.84  692.49
 5440.68  691.06 5591.76  686.12 5656.76  681.68 6001.09   679.7 6332.81  680.69
 6466.63  681.86 6675.68  673.72 6833.79  669.65 6901.43  665.58 6947.98  665.58
 7090.85  668.42 7297.49  678.46 7357.31  677.18 7480.28  676.16 7825.48  665.95
 7870.99  666.96 8017.85  666.35 8296.29  647.53 8309.67  646.02 8473.73  637.57
 8605.48  636.83 8847.04  643.61 9013.05  642.67 9186.97  633.55 9363.85  630.38
 9500.88  616.83 9517.24  616.63 9602.44  608.49 9762.31  596.28 9816.77  596.28
 9856.69  599.99 9977.13  628.9810079.41  638.4910447.87  635.0310598.15  627.68
10651.19  621.2610853.41  619.3611093.19  628.9611378.53  626.2811981.98  622.21
13371.73  622.2113600.46  616.2814188.46  616.2814640.83  620.3514697.92  624.42
 14977.3  621.4814983.93  615.4815085.29  613.9415711.58  594.7216244.75  588.14
 16305.4  583.0516518.94  579.4616574.04  574.4616660.74  567.7517094.45  567.75
17186.13  572.5117274.02  588.1417362.09  609.2817380.96  611.75 17617.7  635.15
18054.71  640.7718486.97  643.0220583.92  639.6520698.35  639.6520926.27  640.25
21273.78  635.2322253.31  637.7922508.91  641.8624172.95  645.9324552.67  647.86
24972.88  651.9325618.82  663.0525841.24  664.0726947.93  664.0727578.81  658.14
27850.74  658.1428420.75  654.0728656.78  651.7128827.13  650.9528966.16  647.65
29113.74  648.47 29405.7  654.1629725.17  656.9430815.58  678.1831475.18  680.26
32436.35  724.8132578.04  725.2633190.73  691.61 33225.2  691.7234807.68  744.17
 35843.7  742.4536039.78  744.41 36389.2  761.4336430.37  762.04 36734.8  760.61
37064.13   771.437221.13  773.7237990.05     79038681.07  792.7139029.55     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516244.75     .1517274.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16244.7517274.02                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502639.00   191660.40   1739650.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1502639.00   191660.40   1739650.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2957498.00   567741.90   3204760.00
  Top Width (ft)          35031.79    Top Width (ft)          14919.27    1029.27   19083.25
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.97       2.96       1.84
  Max Chl Dpth (ft)         192.12    Hydr. Depth (ft)          100.72     186.21      91.16
  Conv. Total (cfs)       732839400.0    Conv. (cfs)            322046200.0   61822240.0   348970900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14931.90    1031.50   19090.90
  Min Ch El (ft)            567.75    Shear (lb/sq ft)            0.53       0.98       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.04       2.90       0.88
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    119992.60   20870.67   143751.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1087.36     100.82    1305.01


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275696.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  187.14  792.71  608.86   777.3 1282.73  761.64  1452.3  754.65
 1723.11  747.43 1881.93  745.92 2214.03  745.92 2531.06  744.81 3382.55  719.91
 3450.65  716.36 3537.18  714.08 3547.91  713.96 3739.12  717.79  3909.7  715.92
 4045.28  713.95 4190.85     710 4546.68  701.41 4980.34  693.94 5303.08  692.47
 5441.95  691.04 5593.07  686.1 5658.08  681.64 6002.49  679.66 6334.29  680.67
 6468.14  681.84 6677.24  673.68 6835.39   669.6 6903.04  665.52  6949.6  665.52
  7092.5  668.37 7299.19  678.41 7359.02  677.13 7482.03  676.13 7827.31  665.96
 7872.82  666.98 8019.72  666.41 8298.23  647.62 8311.62   646.1 8475.71  637.64
 8607.49   636.9  8849.1   643.7 9015.16  642.77 9189.12  633.63 9366.04  630.45
 9503.09  616.92 9519.46  616.72 9604.69  608.56 9764.59  596.32 9819.06  596.32
 9858.99  600.04 9979.46  629.0310081.76  638.5610450.31  635.0910600.62  627.75
10653.68  621.3310855.94  619.4311095.79  629.0111381.18  626.3211984.77  622.24
13374.85  622.2413603.64  616.3214191.78  616.3214644.25   620.414701.36  624.48
 14980.8  621.5414987.43  615.5515088.81     61415715.24  594.7416248.54  588.16
16309.33  583.0616523.36  579.4816578.58  574.4716665.47  567.7517099.43  567.75
17191.28   572.517279.34  588.16 17367.4  609.2817386.27  611.7517622.98  635.11
18059.94  640.7418492.15  642.9820588.88   639.620703.29   639.620931.18   640.2
21278.66  635.1922258.08  637.7622513.65  641.8424177.51  645.9224557.19  647.86
24977.36  651.9325623.23  663.0625845.62  664.0826952.19  664.08   27583  658.16
27854.89  658.1628424.84  654.0828660.85  651.7128831.18  650.9428970.19  647.63
29117.76  648.4529409.68  654.1529729.12  656.9330819.41  678.1531478.95  680.24
32440.01  724.7232581.68  725.1733194.31  691.5933228.77   691.734811.08  744.08
35846.98  742.3836043.04  744.3436392.43  761.3636433.59  761.9736737.99  760.56
37067.28  771.3537224.26  773.68 37993.1     79038684.05  792.7139032.48     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516248.54     .1517279.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16248.5417279.34                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502691.00   191935.10   1739996.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1502691.00   191935.10   1739996.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2956469.00   568399.70   3205132.00
  Top Width (ft)          35036.38    Top Width (ft)          14922.98    1030.80   19082.59
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.97       2.96       1.84
  Max Chl Dpth (ft)         192.12    Hydr. Depth (ft)          100.70     186.20      91.18
  Conv. Total (cfs)       733015100.0    Conv. (cfs)            322011300.0   61908700.0   349095100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14935.61    1033.03   19090.23
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  Min Ch El (ft)            567.75    Shear (lb/sq ft)            0.53       0.98       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.04       2.90       0.88
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    119820.10   20848.65   143552.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1085.64     100.70    1302.82


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275693.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  187.18   792.7     609  777.29 1283.03  761.64 1452.64  754.64
 1723.52  747.42 1882.37  745.91 2214.55  745.91 2531.65   744.8 3383.34  719.93
 3451.45  716.38 3538.01  714.09 3548.74  713.97 3739.99  717.78 3910.61  715.91
 4046.23  713.94 4191.83  709.98 4547.74  701.39  4981.5  693.93 5304.31  692.45
 5443.22  691.02 5594.38  686.07 5659.41  681.61 6003.89  679.63 6335.77  680.64
 6469.65  681.82  6678.8  673.64 6836.98  669.55 6904.65  665.46 6951.23  665.46
 7094.16  668.32 7300.89  678.35 7360.74  677.08 7483.77  676.11 7829.14  665.97
 7874.66  666.99 8021.59  666.47 8300.17  647.71 8313.55  646.19 8477.68  637.71
  8609.5  636.97 8851.17   643.8 9017.26  642.87 9191.26  633.71 9368.23  630.53
 9505.31  617.01 9521.69  616.81 9606.93  608.63 9766.87  596.36 9821.35  596.36
 9861.29  600.09 9981.79  629.0710084.11  638.6310452.75  635.15 10603.1  627.82
10656.17  621.4110858.48   619.511098.38  629.0511383.84  626.3611987.57  622.27
13377.97  622.2713606.81  616.3614195.09  616.3614647.67  620.4514704.79  624.54
 14984.3  621.5914990.93  615.6115092.33  614.0615718.91  594.7716252.34  588.18
16313.26  583.0716527.77  579.4916583.11  574.4816670.21  567.7517104.41  567.75
17196.43   572.517284.65  588.1817372.71  609.2817391.57  611.7517628.26  635.08
18065.17   640.718497.34  642.9420593.83  639.5520708.23  639.55 20936.1  640.15
21283.54  635.1522262.85  637.7322518.39  641.8224182.07  645.9124561.71  647.85
24981.83  651.9325627.63  663.07   25850  664.0926956.44  664.0927587.19  658.18
27859.05  658.1828428.94  654.0928664.92  651.7128835.23  650.9428974.23  647.62
29121.78  648.4429413.67  654.1429733.08  656.9230823.25  678.1231482.71  680.21
32443.67  724.6432585.32  725.0933197.88  691.5733232.34  691.6834814.48  743.99
35850.27  742.31 36046.3  744.2836395.65  761.2936436.81   761.936741.18  760.51
37070.43  771.3137227.39  773.6437996.15     79038687.02  792.7239035.41     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516252.34     .1517284.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16252.3417284.65                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502725.00   192207.00   1740341.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1502725.00   192207.00   1740341.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2955427.00   569054.40   3205519.00
  Top Width (ft)          35040.75    Top Width (ft)          14926.52    1032.31   19081.92
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.97       2.96       1.84
  Max Chl Dpth (ft)         192.12    Hydr. Depth (ft)          100.67     186.19      91.20
  Conv. Total (cfs)       733185900.0    Conv. (cfs)             321972900.0   61994450.0   349218600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14939.15    1034.55   19089.54
  Min Ch El (ft)            567.75    Shear (lb/sq ft)            0.53       0.98       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.04       2.89       0.88
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    119647.60   20826.61   143352.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1083.93     100.58    1300.63


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275690.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  187.23   792.7  609.14  777.28 1283.33  761.64 1452.98  754.64
 1723.92  747.42 1882.81   745.9 2215.07   745.9 2532.25  744.79 3384.13  719.95
 3452.26  716.39 3538.83   714.1 3549.57  713.98 3740.87  717.78 3911.53   715.9
 4047.17  713.92 4192.81  709.96  4548.8  701.37 4982.66  693.91 5305.55  692.44
 5444.49  691.01 5595.68  686.04 5660.73  681.57 6005.29   679.6 6337.25  680.62
 6471.16   681.8 6680.36   673.6 6838.58   669.5 6906.26   665.4 6952.85   665.4
 7095.82  668.26  7302.6   678.3 7362.46  677.04 7485.52  676.08 7830.96  665.97
  7876.5  667.01 8023.46  666.52 8302.11   647.8  8315.5  646.28 8479.66  637.78
 8611.51  637.04 8853.24  643.89 9019.37  642.96 9193.41  633.79 9370.41   630.6
 9507.53   617.1 9523.91   616.9 9609.17   608.7 9769.15   596.4 9823.65   596.4
 9863.59  600.14 9984.12  629.1210086.47   638.710455.19  635.2110605.57  627.89
10658.65  621.4910861.01  619.5711100.96   629.1 11386.5   626.411990.37   622.3
13381.09   622.313609.99   616.4 14198.4   616.414651.09   620.514708.22   624.6
 14987.8  621.6414994.43  615.6715095.86  614.1315722.58  594.7916256.13   588.2
16317.19  583.0916532.18  579.5116587.65  574.4916674.94  567.7517109.39  567.75
17201.58  572.4917289.97   588.217378.02  609.2817396.88  611.7417633.54  635.04
 18070.4  640.6718502.52   642.920598.79   639.520713.18   639.520941.02   640.1
21288.42  635.1222267.63   637.722523.14   641.824186.63   645.924566.23  647.85
24986.31  651.9225632.03  663.0825854.38   664.1 26960.7   664.127591.38   658.2
27863.21   658.228433.04   654.128668.99  651.7228839.29  650.9428978.27  647.61
 29125.8  648.4229417.66  654.1429737.03  656.9230827.08  678.0931486.47  680.19
32447.32  724.5532588.96     72533201.46  691.5533235.91  691.6634817.87   743.9
35853.55  742.2436049.56  744.2236398.88  761.2236440.03  761.8336744.36  760.46
37073.58  771.2637230.53   773.6 37999.2     79038689.99  792.7339038.35     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516256.13     .1517289.97     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16256.1317289.97                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)             5.00       5.00       5.00
```

```
  Crit W.S. (ft)                      Flow Area (sq ft)       1502763.00   192480.40   1740668.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1502763.00   192480.40   1740668.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2954418.00   569711.60   3205870.00
  Top Width (ft)          35045.07    Top Width (ft)          14929.99    1033.84   19081.24
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.97       2.96       1.84
  Max Chl Dpth (ft)         192.12    Hydr. Depth (ft)          100.65     186.18      91.22
  Conv. Total (cfs)       733353300.0    Conv. (cfs)             321936400.0   62080220.0   349336600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14942.61    1036.08   19088.85
  Min Ch El (ft)            567.75    Shear (lb/sq ft)            0.53       0.98       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.04       2.89       0.88
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    119475.10   20804.53   143152.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1082.22     100.46    1298.44


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275687.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  187.27  792.69  609.29  777.26 1283.63  761.64 1453.32  754.63
 1724.32  747.41 1883.25  745.89 2215.58  745.89 2532.84  744.77 3384.92  719.96
 3453.06  716.41 3539.66  714.11 3550.39  713.99 3741.74  717.77 3912.44  715.89
 4048.11  713.91 4193.78  709.95 4549.86  701.35 4983.83   693.9 5306.79  692.42
 5445.76  690.99 5596.99  686.01 5662.05  681.53 6006.69  679.57 6338.73   680.6
 6472.67  681.78 6681.92  673.56 6840.18  669.45 6907.87  665.34 6954.47  665.34
 7097.47  668.21  7304.3  678.25 7364.18  676.99 7487.27  676.05 7832.79  665.98
 7878.34  667.03 8025.34  666.58 8304.04  647.89 8317.44  646.37 8481.64  637.85
 8613.52  637.12  8855.3  643.99 9021.47  643.06 9195.55  633.87  9372.6  630.68
 9509.75  617.19 9526.13  616.99 9611.41  608.77 9771.43  596.44 9825.94  596.44
 9865.89  600.19 9986.45  629.1710088.82  638.7710457.63  635.2710608.05  627.96
10661.14  621.5610863.54  619.6411103.56  629.1511389.16  626.4411993.17  622.33
13384.21  622.3313613.17  616.4414201.72  616.44 14654.5  620.5514711.65  624.66
14991.29   621.714997.93  615.7415099.38  614.1915726.25  594.8216259.92  588.22
16321.12   583.1 16536.6  579.5316592.19   574.516679.67  567.7517114.37  567.75
17206.73  572.4917295.29  588.2217383.32  609.2717402.18  611.7417638.82     635
18075.63  640.6318507.71  642.8620603.74  639.4520718.12  639.4520945.94  640.05
 21293.3  635.08 22272.4  637.6722527.88  641.7824191.19  645.8924570.75  647.84
24990.78  651.9225636.44  663.0925858.76  664.1126964.96  664.1127595.57  658.22
27867.37  658.2228437.13  654.1128673.06  651.7228843.34  650.94 28982.3   647.6
29129.82  648.4129421.65  654.1329740.98  656.9130830.92  678.0631490.23  680.17
32450.98  724.46 32592.6  724.9233205.03  691.5333239.48  691.6434821.27  743.81
35856.83  742.1736052.82  744.16 36402.1  761.1536443.25  761.7636747.55  760.41
37076.73  771.2237233.66  773.5638002.25     79038692.96  792.7339041.29     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516259.92     .1517295.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16259.9217295.29                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502797.00   192753.90   1741012.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1502797.00   192753.90   1741012.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2953377.00   570366.90   3206256.00
  Top Width (ft)          35049.45    Top Width (ft)          14933.52    1035.37   19080.56
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.97       2.96       1.84
  Max Chl Dpth (ft)         192.12    Hydr. Depth (ft)          100.63     186.17      91.25
  Conv. Total (cfs)       733524200.0    Conv. (cfs)             321898000.0   62166110.0   349460100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14946.14    1037.61   19088.15
  Min Ch El (ft)            567.75    Shear (lb/sq ft)            0.53       0.98       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.04       2.89       0.88
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    119302.60   20782.42   142952.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1080.50     100.34    1296.25


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275684.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  187.31  792.69  609.43  777.25 1283.93  761.63 1453.66  754.62
 1724.72   747.4 1883.69  745.88  2216.1  745.88 2533.43  744.76 3385.71  719.98
 3453.87  716.43 3540.48  714.12 3551.22     714 3742.61  717.77 3913.35  715.88
 4049.06  713.89 4194.76  709.93 4550.92  701.33 4984.99  693.88 5308.03   692.4
 5447.03  690.97 5598.29  685.99 5663.37   681.5 6008.09  679.53 6340.21  680.58
 6474.18  681.76 6683.48  673.52 6841.77   669.4 6909.48  665.28 6956.09  665.28
 7099.13  668.16    7306   678.2  7365.9  676.95 7489.01  676.02 7834.62  665.99
 7880.17  667.04 8027.21  666.64 8305.98  647.98 8319.38  646.46 8483.62  637.92
 8615.53  637.19 8857.37  644.08 9023.57  643.16  9197.7  633.95 9374.79  630.75
 9511.97  617.28 9528.35  617.08 9613.66  608.84 9773.71  596.48 9828.23  596.48
  9868.2  600.24 9988.78  629.2110091.17  638.8410460.07  635.3310610.52  628.02
10663.63  621.6410866.08  619.7211106.15  629.1911391.81  626.4811995.96  622.36
13387.34  622.3613616.34  616.4814205.03  616.4814657.92   620.614715.08  624.72
14994.79  621.7515001.43   615.8 15102.9  614.2515729.92  594.8516263.72  588.24
16325.05  583.1116541.01  579.5516596.73  574.5116684.41  567.7517119.35  567.75
17211.88  572.48 17300.6  588.2417388.63  609.2717407.49  611.74 17644.1  634.97
18080.87   640.618512.89  642.8220608.69   639.420723.06   639.420950.85     640
21298.18  635.0422277.17  637.6422532.62  641.7624195.76  645.8824575.27  647.84
24995.26  651.9225640.84  663.1125863.14  664.1226969.22  664.1227599.76  658.24
27871.53  658.2428441.23  654.1228677.13  651.7328847.39  650.9428986.34  647.58
29133.84  648.3929425.64  654.1229744.94   656.930834.75  678.0331493.99  680.14
32454.64  724.3832596.24  724.8333208.61  691.5133243.05  691.6234824.67  743.73
35860.12   742.136056.09  744.0936405.32  761.0836446.47  761.6936750.73  760.37
37079.88  771.1737236.79  773.52 38005.3     79038695.94  792.7439044.22     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516263.72     .15 17300.6     .15
```

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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16263.72 17300.6                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502838.00   193025.10   1741338.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1502838.00   193025.10   1741338.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2952363.00   571022.20   3206615.00
  Top Width (ft)          35054.03    Top Width (ft)          14937.24    1036.88   19079.90
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.96       2.96       1.84
  Max Chl Dpth (ft)         192.12    Hydr. Depth (ft)          100.61     186.16      91.27
  Conv. Total (cfs)       733688300.0    Conv. (cfs)            321859400.0   62251450.0   349577400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14949.86    1039.12   19087.48
  Min Ch El (ft)            567.75    Shear (lb/sq ft)            0.53       0.98       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.04       2.89       0.88
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    119130.10   20760.28   142753.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1078.79     100.22    1294.06


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275681.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  187.36  792.68  609.57  777.24 1284.23  761.63    1454  754.61
 1725.12   747.4 1884.12  745.87 2216.62  745.87 2534.02  744.75  3386.5     720
 3454.67  716.44 3541.31  714.13 3552.05  714.01 3743.49  717.76 3914.26  715.87
    4050  713.88 4195.74  709.91 4551.98  701.31 4986.15  693.87 5309.27  692.38
  5448.3  690.95  5599.6  685.96 5664.69  681.46  6009.5   679.5 6341.68  680.55
 6475.69  681.74 6685.04  673.48 6843.37  669.35  6911.1  665.22 6957.72  665.22
 7100.78   668.1 7307.71  678.14 7367.61   676.9 7490.76     676 7836.45  665.99
 7882.01  667.06 8029.08  666.69 8307.92  648.07 8321.32  646.55  8485.6     638
 8617.54  637.26 8859.43  644.18 9025.68  643.25 9199.84  634.02 9376.97  630.83
 9514.19  617.37 9530.58  617.17  9615.9  608.91 9775.99  596.52 9830.52  596.52
  9870.5  600.29 9991.11  629.2610093.53  638.9110462.51   635.4   10613  628.09
10666.11  621.7210868.61  619.7911108.74  629.2411394.47  626.5211998.76  622.39
13390.46  622.3913619.52  616.5214208.34  616.5214661.34  620.6514718.52  624.78
14998.29   621.815004.93  615.8615106.42  614.3115733.59  594.8716267.51  588.26
16328.98  583.1216545.42  579.5616601.27  574.5216689.14  567.7517124.33  567.75
17217.04  572.4817305.92  588.2617393.94  609.2717412.79  611.7317649.38  634.93
 18086.1  640.5618518.07  642.7720613.65  639.35   20728  639.3520955.77  639.96
21303.05  635.0122281.94  637.6122537.37  641.7424200.32  645.8724579.79  647.83
24999.73  651.9125645.24  663.1225867.52  664.1326973.47  664.1327603.95  658.26
27875.69  658.2628445.32  654.13 28681.2  651.7328851.44  650.9428990.38  647.57
29137.86  648.3829429.63  654.1129748.89  656.8930838.58     67831497.76  680.12
32458.29  724.2932599.89  724.7533212.18  691.4933246.62   691.634828.06  743.64
 35863.4  742.0236059.35  744.0336408.55  761.0136449.69  761.6336753.92  760.32
37083.03  771.1337239.93  773.4838008.35     79038698.91  792.7539047.16     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516267.51     .1517305.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16267.5117305.92                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502878.00   193300.30   1741697.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1502878.00   193300.30   1741697.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2951309.00   571679.30   3207012.00
  Top Width (ft)          35058.41    Top Width (ft)          14940.77    1038.41   19079.23
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.96       2.96       1.84
  Max Chl Dpth (ft)         192.12    Hydr. Depth (ft)          100.59     186.15      91.29
  Conv. Total (cfs)       733866900.0    Conv. (cfs)            321822800.0   62338260.0   349705800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14953.38    1040.65   19086.79
  Min Ch El (ft)            567.75    Shear (lb/sq ft)            0.53       0.98       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.04       2.88       0.88
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    118957.60   20738.11   142553.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1077.07     100.10    1291.87


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275678.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   187.4  792.68  609.71  777.23 1284.53  761.63 1454.33   754.6
 1725.53  747.39 1884.56  745.86 2217.13  745.86 2534.61  744.74 3387.29  720.02
 3455.48  716.46 3542.14  714.14 3552.88  714.02 3744.36  717.76 3915.18  715.86
 4050.95  713.86 4196.72   709.9 4553.04   701.3 4987.31  693.85  5310.5  692.36
 5449.58  690.93  5600.9  685.93 5666.01  681.42  6010.9  679.47 6343.16  680.53
  6477.2  681.72  6686.6  673.44 6844.96   669.3 6912.71  665.16 6959.34  665.16
 7102.44  668.05 7309.41  678.09 7369.33  676.85 7492.51  675.97 7838.27     666
 7883.85  667.08 8030.95  666.75 8309.85  648.15 8323.26  646.64 8487.58  638.07
 8619.55  637.34  8861.5  644.27 9027.78  643.35 9201.99   634.1 9379.16   630.9
  9516.4  617.47  9532.8  617.26 9618.14  608.98 9778.27  596.56 9832.81  596.56
  9872.8  600.34 9993.44  629.3110095.88  638.9810464.95  635.4610615.47  628.16
 10668.6  621.7910871.15  619.8611111.33  629.2911397.13  626.5612001.56  622.42
13393.58  622.4213622.69  616.5614211.65  616.5614664.76   620.714721.95  624.84
15001.78  621.8515008.42  615.9215109.95  614.3715737.25   594.9 16271.3  588.28
16332.91  583.1316549.84  579.58 16605.8  574.5316693.88  567.7417129.31  567.74
17222.19  572.4817311.24  588.2817399.25  609.27 17418.1  611.7317654.66  634.89
18091.33  640.5318523.26  642.73 20618.6   639.320732.95   639.320960.69  639.91
21307.93  634.9722286.71  637.5822542.11  641.7224204.88  645.8624584.31  647.83
 25004.2  651.9125649.65  663.13 25871.9  664.1426977.73  664.1427608.14  658.28
27879.85  658.2828449.42  654.1428685.27  651.7428855.49  650.9328994.42  647.56
29141.88  648.3729433.62  654.1129752.84  656.8930842.42  677.9731501.52  680.09
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32461.95   724.232603.53  724.6633215.75  691.47 33250.2  691.5834831.46  743.55
35866.68  741.9536062.61  743.9736411.77  760.9436452.91  761.5636757.11  760.27
37086.18  771.0837243.06  773.4438011.39     79038701.89  792.7539050.09     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 16271.3     .1517311.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       16271.317311.24                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502907.00   193579.40   1742033.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1502907.00   193579.40   1742033.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2950260.00   572360.80   3207380.00
  Top Width (ft)          35062.80    Top Width (ft)          14944.30    1039.94   19078.55
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.96       2.96       1.84
  Max Chl Dpth (ft)         192.13    Hydr. Depth (ft)          100.57     186.14      91.31
  Conv. Total (cfs)       734036500.0    Conv. (cfs)            321782800.0   62427000.0   349826700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14956.91    1042.19   19086.10
  Min Ch El (ft)            567.74    Shear (lb/sq ft)            0.53       0.97       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.04       2.88       0.88
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    118785.10   20715.90   142353.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1075.36      99.99    1289.68


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275676.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  187.44  792.67  609.85  777.21 1284.83  761.63 1454.67  754.6
 1725.93  747.38    1885  745.85 2217.65  745.85  2535.2  744.72 3388.08  720.03
 3456.28  716.47 3542.96  714.15 3553.71  714.03 3745.23  717.75 3916.09  715.85
 4051.89  713.85  4197.7  709.88  4554.1  701.28 4988.48  693.84 5311.74  692.34
 5450.85  690.91 5602.21   685.9 5667.33  681.39  6012.3  679.43 6344.64  680.51
 6478.71   681.7 6688.15   673.4 6846.56  669.25 6914.32   665.1 6960.96   665.1
 7104.09     668 7311.12  678.04 7371.05  676.81 7494.25  675.94  7840.1  666.01
 7885.69  667.09 8032.83  666.81 8311.79  648.24  8325.2  646.72 8489.56  638.14
 8621.56  637.41 8863.56  644.37 9029.89  643.45 9204.13  634.18 9381.35  630.98
 9518.62  617.56 9535.02  617.35 9620.38  609.05 9780.55   596.6 9835.11   596.6
  9875.1  600.38 9995.77  629.3510098.23  639.0510467.38  635.5210617.95  628.23
10671.09  621.8710873.68  619.9311113.92  629.3311399.78   626.612004.36  622.45
 13396.7  622.4513625.87   616.614214.97   616.614668.18  620.7514725.38   624.9
15005.28  621.9115011.92  615.9915113.47  614.4315740.92  594.9216275.09   588.3
16336.84  583.1416554.25   579.616610.34  574.5416698.61  567.7417134.29  567.74
17227.34  572.4717316.55   588.317404.55  609.27 17423.4  611.7317659.94  634.86
18096.56  640.4918528.44  642.6920623.56  639.2520737.89  639.25 20965.6  639.86
21312.81  634.9422291.48  637.5522546.86   641.724209.44  645.8524588.83  647.82
25008.68  651.9125654.05  663.1425876.28  664.1526981.99  664.1527612.32   658.3
27884.01   658.328453.52  654.1528689.34  651.7428859.55  650.9328998.45  647.54
 29145.9  648.3529437.61   654.1 29756.8  656.8830846.25  677.9431505.28  680.07
32465.61  724.1232607.17  724.5733219.33  691.4533253.77  691.5634834.86  743.46
35869.97  741.8836065.88   743.9   36415  760.8736456.12  761.4936760.29  760.22
37089.33  771.0337246.19   773.438014.45     79038704.86  792.7639053.02     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516275.09     .1517316.55     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16275.0917316.55                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502955.00   193852.30   1742372.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1502955.00   193852.30   1742372.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2949258.00   573011.80   3207730.00
  Top Width (ft)          35067.14    Top Width (ft)          14947.77    1041.46   19077.91
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.96       2.96       1.84
  Max Chl Dpth (ft)         192.13    Hydr. Depth (ft)          100.55     186.13      91.33
  Conv. Total (cfs)       734211100.0    Conv. (cfs)            321750100.0   62512870.0   349948200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14960.38    1043.71   19085.44
  Min Ch El (ft)            567.74    Shear (lb/sq ft)            0.53       0.97       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.03       2.88       0.88
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    118612.60   20693.67   142153.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1073.64      99.87    1287.49


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275673.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  187.49  792.67     610   777.2 1285.13  761.62 1455.01  754.59
 1726.33  747.38 1885.44  745.84 2218.17  745.84 2535.79  744.71 3388.87  720.05
 3457.09  716.49 3543.79  714.16 3554.54  714.04  3746.1  717.74    3917  715.84
 4052.84  713.83 4198.68  709.86 4555.17  701.26 4989.64  693.82 5312.98  692.33
 5452.12  690.89 5603.51  685.88 5668.65  681.35  6013.7   679.4 6346.12  680.48
 6480.22  681.68 6689.71  673.36 6848.15   669.2 6915.93  665.04 6962.58  665.04
 7105.75  667.94 7312.82  677.98 7372.77  676.76    7496  675.91 7841.93  666.01
 7887.53  667.11  8034.7  666.86 8313.73  648.33 8327.14  646.81 8491.53  638.21
 8623.57  637.48 8865.63  644.46 9031.99  643.54 9206.28  634.26 9383.53  631.05
 9520.84  617.65 9537.24  617.44 9622.62  609.12 9782.83  596.64  9837.4  596.64
  9877.4  600.43  9998.1   629.410100.59  639.1210469.82  635.5810620.42   628.3
10673.57  621.9510876.21     62011116.51  629.3811402.44  626.6412007.15  622.48
13399.83  622.4813629.04  616.6414218.28  616.64 14671.6   620.814728.81  624.96
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15008.78  621.9615015.42  616.0515116.99  614.4915744.59  594.9516278.89  588.32
16340.77  583.1616558.66  579.6216614.88  574.5516703.34  567.7417139.26  567.74
17232.49  572.4717321.87  588.3217409.86  609.2717428.71  611.7217665.22  634.82
18101.79  640.4618533.62  642.6520628.51   639.220742.83   639.220970.52  639.81
21317.69   634.922296.26  637.52 22551.6  641.68   24214  645.8424593.35  647.81
25013.15   651.925658.45  663.1525880.65  664.1626986.25  664.1627616.51  658.32
27888.17  658.3228457.62  654.1628693.41  651.74 28863.6  650.9329002.49  647.53
29149.93  648.3429441.59  654.0929760.75  656.8730850.09  677.9231509.04  680.05
32469.27  724.0332610.81  724.49 33222.9  691.4333257.34  691.5434838.26  743.37
35873.25  741.8136069.14  743.8436418.22   760.836459.35  761.4236763.48  760.18
37092.48  770.9937249.32  773.3638017.49     79038707.83  792.7739055.96     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516278.89     .1517321.87     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16278.8917321.87                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503000.00   194122.50   1742708.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1503000.00   194122.50   1742708.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2948240.00   573655.40   3208105.00
  Top Width (ft)          35071.70    Top Width (ft)          14951.50    1042.98   19077.23
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.96       2.96       1.84
  Max Chl Dpth (ft)         192.13    Hydr. Depth (ft)          100.53     186.12      91.35
  Conv. Total (cfs)       734379600.0    Conv. (cfs)            321712800.0   62597450.0   350069400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14964.10    1045.23   19084.75
  Min Ch El (ft)            567.74    Shear (lb/sq ft)            0.53       0.97       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.03       2.88       0.88
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    118440.10   20671.40   141953.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1071.93      99.75    1285.30


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275670.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  187.53  792.66  610.14  777.19 1285.43  761.62 1455.35  754.58
 1726.73  747.37 1885.88  745.83 2218.68  745.83 2536.38   744.7 3389.66  720.07
  3457.9   716.5 3544.61  714.17 3555.36  714.05 3746.98  717.74 3917.92  715.83
 4053.78  713.82 4199.65  709.84 4556.23  701.24  4990.8  693.81 5314.22  692.31
 5453.39  690.87 5604.82  685.85 5669.97  681.31  6015.1  679.37  6347.6  680.46
 6481.73  681.66 6691.27  673.32 6849.75  669.15 6917.54  664.98 6964.21  664.98
 7107.41  667.89 7314.52  677.93 7374.49  676.72 7497.75  675.89 7843.75  666.02
 7889.36  667.13 8036.57  666.92 8315.67  648.42 8329.08   646.9 8493.51  638.28
 8625.58  637.55  8867.7  644.56  9034.1  643.64 9208.42  634.34 9385.72  631.13
 9523.06  617.74 9539.46  617.53 9624.87  609.19  9785.1  596.68 9839.69  596.68
  9879.7  600.4810000.43  629.4510102.94  639.1910472.26  635.64 10622.9  628.36
10676.06  622.0210878.75  620.08 11119.1  629.43 11405.1  626.6812009.95  622.51
13402.95  622.5113632.22  616.6814221.59  616.6814675.01  620.8514732.24  625.02
15012.28  622.0115018.92  616.1115120.51  614.5515748.26  594.9816282.68  588.34
 16344.7  583.1716563.08  579.6416619.42  574.5516708.08  567.7417144.24  567.74
17237.64  572.4617327.19  588.3417415.17  609.2617434.02  611.72 17670.5  634.79
18107.02  640.4218538.81  642.6120633.47  639.1520747.77  639.1520975.44  639.76
21322.57  634.8622301.03  637.4922556.34  641.6624218.56  645.8324597.87  647.81
25017.63   651.925662.86  663.1625885.03  664.1726990.51  664.17 27620.7  658.34
27892.33  658.3428461.71  654.1728697.49  651.7528867.65  650.9329006.53  647.52
29153.95  648.3229445.58  654.0929764.71  656.8630853.92  677.89 31512.8  680.02
32472.92  723.9532614.45   724.433226.48  691.4133260.91  691.5234841.65  743.28
35876.54  741.74 36072.4  743.7836421.45  760.7336462.57  761.3536766.67  760.13
37095.63  770.9437252.46  773.3238020.54     790 38710.8  792.7739058.89     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516282.68     .1517327.19     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16282.6817327.19                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503023.00   194397.80   1743048.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1503023.00   194397.80   1743048.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2947185.00   574319.90   3208495.00
  Top Width (ft)          35076.10    Top Width (ft)          14955.03    1044.51   19076.56
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.96       2.95       1.84
  Max Chl Dpth (ft)         192.13    Hydr. Depth (ft)          100.50     186.11      91.37
  Conv. Total (cfs)       734546000.0    Conv. (cfs)            321670600.0   62684160.0   350191300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14967.63    1046.76   19084.07
  Min Ch El (ft)            567.74    Shear (lb/sq ft)            0.53       0.97       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.03       2.88       0.88
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    118267.60   20649.10   141753.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1070.21      99.63    1283.11


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275667.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  187.58  792.66  610.28  777.18 1285.73  761.62 1455.69  754.57
 1727.14  747.37 1886.32  745.82  2219.2  745.82 2536.97  744.69 3390.45  720.08
  3458.7  716.52 3545.44  714.18 3556.19  714.06 3747.85  717.73 3918.83  715.82
 4054.72   713.8 4200.63  709.83 4557.29  701.22 4991.96   693.8 5315.45  692.29
 5454.66  690.86 5606.13  685.82 5671.29  681.28  6016.5  679.33 6349.08  680.44
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 6483.24  681.64 6692.83  673.28 6851.34   669.1 6919.15  664.92 6965.83  664.92
 7109.06  667.84 7316.23  677.88  7376.2  676.67 7499.49  675.86 7845.58  666.03
  7891.2  667.15 8038.44  666.98  8317.6  648.51 8331.02  646.99 8495.49  638.35
 8627.59  637.63 8869.76  644.65  9036.2  643.74 9210.57  634.42  9387.9   631.2
 9525.28  617.83 9541.69  617.62 9627.11  609.26 9787.38  596.72 9841.98  596.72
    9882  600.5310002.76  629.4910105.29  639.26 10474.7   635.710625.37  628.43
10678.55   622.110881.28  620.1511121.69  629.4711407.75  626.7212012.75  622.54
13406.07  622.5413635.39  616.7214224.91  616.7214678.43   620.914735.67  625.08
15015.77  622.0715022.42  616.1715124.04  614.6115751.93     59516286.47  588.36
16348.63  583.1816567.49  579.6516623.96  574.5616712.81  567.7417149.22  567.74
17242.79  572.4617332.51  588.3617420.47  609.2617439.32  611.7217675.78  634.75
18112.25  640.3918543.99  642.5720638.42   639.120752.71   639.120980.36  639.71
21327.45  634.83 22305.8  637.4622561.09  641.6424223.12  645.8224602.39   647.8
 25022.1   651.925667.26  663.1825889.41  664.1826994.76  664.1827624.89  658.36
27896.48  658.3628465.81  654.1828701.56  651.75 28871.7  650.9329010.56  647.51
29157.97  648.3129449.57  654.0829768.66  656.8630857.76  677.8631516.57     680
32476.58  723.8632618.09  724.3233230.05  691.3933264.48   691.534845.05   743.2
35879.82  741.6736075.66  743.7236424.67  760.6636465.79  761.2836769.85  760.08
37098.78   770.937255.59  773.2838023.59     79038713.78  792.7839061.83     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516286.47     .1517332.51     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16286.4717332.51               5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503063.00   194672.80   1743355.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1503063.00   194672.80   1743355.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2946202.00   574987.70   3208810.00
  Top Width (ft)          35080.48    Top Width (ft)          14958.56    1046.04   19075.89
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.96       2.95       1.84
  Max Chl Dpth (ft)         192.13    Hydr. Depth (ft)          100.48     186.10      91.39
  Conv. Total (cfs)       734707600.0    Conv. (cfs)            321634000.0   62770860.0   350302800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14971.16    1048.29   19083.38
  Min Ch El (ft)            567.74    Shear (lb/sq ft)            0.53       0.97       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.03       2.87       0.88
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    118095.10   20626.77   141553.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1068.49      99.51    1280.92


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275664.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  187.62  792.66  610.42  777.17 1286.03  761.61 1456.03  754.57
 1727.54  747.36 1886.76  745.81 2219.72  745.81 2537.56  744.67 3391.24   720.1
 3459.51  716.53 3546.26  714.19 3557.02  714.07 3748.72  717.73 3919.74  715.81
 4055.67  713.79 4201.61  709.81 4558.35   701.2 4993.13  693.78 5316.69  692.27
 5455.93  690.84 5607.43   685.8 5672.61  681.24  6017.9   679.3 6350.56  680.42
 6484.75  681.62 6694.39  673.24 6852.94  669.05 6920.77  664.86 6967.45  664.86
 7110.72  667.78 7317.93  677.83 7377.92  676.63 7501.24  675.83 7847.41  666.03
 7893.04  667.16 8040.31  667.03 8319.54   648.6 8332.96  647.08 8497.47  638.43
  8629.6   637.7 8871.83  644.75 9038.31  643.83 9212.71  634.49 9390.09  631.28
  9527.5  617.92 9543.91  617.71 9629.35  609.33 9789.66  596.76 9844.28  596.76
 9884.31  600.5810005.09  629.5410107.65  639.3310477.14  635.7610627.84   628.5
10681.03  622.1810883.82  620.2211124.28  629.5211410.41  626.7612015.55  622.57
13409.19  622.5713638.57  616.7614228.22  616.7614681.85  620.9514739.11  625.14
15019.27  622.1215025.92  616.2415127.56  614.67 15755.6  595.0316290.27  588.38
16352.56  583.19 16571.9  579.6716628.49  574.5716717.55  567.74 17154.2  567.74
17247.95  572.4517337.82  588.3817425.78  609.2617444.62  611.7217681.06  634.71
18117.49  640.3518549.18  642.5220643.38  639.0520757.66  639.0520985.27  639.66
21332.33  634.7922310.57  637.4322565.83  641.6224227.69  645.8124606.91   647.8
25026.57  651.8925671.66  663.1925893.79  664.1926999.02  664.1927629.08  658.38
27900.64  658.38 28469.9  654.1928705.63  651.7628875.76  650.93 29014.6  647.49
29161.99  648.2929453.56  654.0729772.61  656.8530861.59  677.8331520.33  679.97
32480.24  723.7732621.73  724.2333233.63  691.3733268.05  691.4834848.45  743.11
 35883.1  741.5936078.92  743.6536427.89  760.59   36469  761.2136773.04  760.03
37101.93  770.8537258.73  773.2438026.64     79038716.75  792.7939064.77     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516290.27     .1517337.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16290.2717337.82               5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503106.00   194944.00   1743736.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1503106.00   194944.00   1743736.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2945126.00   575625.20   3209249.00
  Top Width (ft)          35085.00    Top Width (ft)          14962.22    1047.55   19075.23
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.96       2.95       1.84
  Max Chl Dpth (ft)         192.13    Hydr. Depth (ft)          100.46     186.10      91.41
  Conv. Total (cfs)       734891600.0    Conv. (cfs)            321597100.0   62856190.0   350438400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14974.81    1049.81   19082.71
  Min Ch El (ft)            567.74    Shear (lb/sq ft)            0.53       0.97       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.03       2.87       0.88
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    117922.50   20604.41   141352.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1066.78      99.39    1278.73


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275661.*

INPUT
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Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  187.66  792.65  610.56  777.15 1286.33  761.61 1456.37  754.56
 1727.94  747.35  1887.2   745.8 2220.24   745.8 2538.15  744.66 3392.03  720.12
 3460.31  716.55 3547.09   714.2 3557.85  714.08  3749.6  717.72 3920.65   715.8
 4056.61  713.77 4202.59  709.79 4559.41  701.18 4994.29  693.77 5317.93  692.25
  5457.2  690.82 5608.74  685.77 5673.93   681.2  6019.3  679.27 6352.03  680.39
 6486.26   681.6 6695.95   673.2 6854.54     669 6922.38   664.8 6969.07   664.8
 7112.37  667.73 7319.64  677.77 7379.64  676.58 7502.99  675.81 7849.24  666.04
 7894.88  667.18 8042.19  667.09 8321.48  648.68  8334.9  647.17 8499.45   638.5
 8631.61  637.77 8873.89  644.84 9040.41  643.93 9214.86  634.57 9392.28  631.35
 9529.71  618.01 9546.13   617.8 9631.59   609.4 9791.94   596.8 9846.57   596.8
 9886.61  600.6310007.42  629.59   10110  639.410479.58  635.8310630.32  628.57
10683.52  622.2510886.35  620.2911126.87  629.5711413.07   626.812018.35   622.6
13412.31   622.613641.75   616.814231.53   616.814685.27     62114742.54   625.2
15022.77  622.1715029.42   616.315131.08  614.7315759.27  595.0516294.06   588.4
16356.49   583.216576.32  579.6916633.03  574.5816722.28  567.7417159.18  567.74
 17253.1  572.4517343.14   588.417431.09  609.2617449.93  611.7117686.34  634.68
18122.72  640.3218554.36  642.4820648.33     639 20762.6     63920990.19  639.62
21337.21  634.7522315.34   637.422570.57   641.624232.25   645.824611.43  647.79
25031.05  651.8925676.07   663.225898.17   664.227003.28   664.227633.27   658.4
 27904.8   658.4   28474   654.2 28709.7  651.7628879.81  650.9229018.64  647.48
29166.01  648.2829457.55  654.0729776.57  656.8430865.42   677.831524.09  679.95
32483.89  723.6932625.38  724.15 33237.2  691.3533271.62  691.4634851.84  743.02
35886.39  741.5236082.19  743.5936431.12  760.5236472.22  761.1436776.23  759.99
37105.08  770.8137261.86   773.238029.69     79038719.72  792.79 39067.7     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516294.06     .1517343.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16294.0617343.14                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503145.00   195217.60   1744062.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1503145.00   195217.60   1744062.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2944124.00   576280.60   3209596.00
  Top Width (ft)          35089.40    Top Width (ft)          14965.75    1049.08   19074.57
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.96       2.95       1.84
  Max Chl Dpth (ft)         192.13    Hydr. Depth (ft)          100.44     186.08      91.43
  Conv. Total (cfs)       735058700.0    Conv. (cfs)             321560700.0   62942060.0   350555900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14978.34    1051.34   19082.04
  Min Ch El (ft)            567.74    Shear (lb/sq ft)            0.53       0.97       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.03       2.87       0.88
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    117750.00   20582.02   141152.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1065.06      99.27    1276.54


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275658.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  187.71  792.65  610.71  777.14 1286.63  761.61 1456.71  754.55
 1728.34  747.35 1887.64  745.79 2220.75  745.79 2538.74  744.65 3392.82  720.14
 3461.12  716.57 3547.92  714.21 3558.68  714.09 3750.47  717.72 3921.57  715.79
 4057.56  713.76 4203.57  709.78 4560.47  701.16 4995.45  693.75 5319.17  692.23
 5458.47   690.8 5610.04  685.74 5675.26  681.17 6020.71  679.23 6353.51  680.37
 6487.77  681.58 6697.51  673.16 6856.13  668.95 6923.99  664.74 6970.69  664.74
 7114.03  667.68 7321.34  677.72 7381.36  676.53 7504.73  675.78 7851.06  666.05
 7896.71   667.2 8044.06  667.15 8323.41  648.77 8336.84  647.26 8501.43  638.57
 8633.61  637.85 8875.96  644.94 9042.51  644.03    9217  634.65 9394.46  631.43
 9531.93   618.1 9548.35  617.89 9633.83  609.47 9794.22  596.84 9848.86  596.84
 9888.91  600.6810009.75  629.6310112.35  639.4710482.02  635.8910632.79  628.64
10686.01  622.3310888.89  620.3711129.46  629.6111415.72  626.8412021.14  622.63
13415.44  622.6313644.92  616.8414234.84  616.8414688.69  621.0514745.97  625.26
15026.26  622.2215032.92  616.36 15134.6  614.7915762.93  595.0816297.85  588.42
16360.42  583.2116580.73  579.7116637.57  574.5916727.01  567.7417164.16  567.74
17258.25  572.4517348.46  588.42 17436.4  609.2617455.24  611.7117691.62  634.64
18127.95  640.2818559.55  642.4420653.29  638.9520767.54  638.9520995.11  639.57
21342.09  634.7222320.12  637.3722575.32  641.5824236.81  645.7924615.95  647.79
25035.52  651.8925680.47  663.2125902.55  664.2127007.54  664.2127637.46  658.42
27908.96  658.42 28478.1  654.2128713.77  651.7628883.86  650.9229022.67  647.47
29170.03  648.2729461.54  654.0629780.52  656.8330869.26  677.7731527.85  679.93
32487.55   723.632629.02  724.0633240.78  691.3333275.19  691.4434855.24  742.93
35889.67  741.4536085.45  743.5336434.34  760.4536475.45  761.0836779.41  759.94
37108.23  770.7637264.99  773.1638032.74     790 38722.7   792.839070.64     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516297.85     .1517348.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16297.8517348.46                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503172.00   195491.20   1744398.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1503172.00   195491.20   1744398.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2943084.00   576936.90   3209979.00
  Top Width (ft)          35093.78    Top Width (ft)          14969.28    1050.61   19073.89
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.96       2.95       1.84
  Max Chl Dpth (ft)         192.13    Hydr. Depth (ft)          100.42     186.07      91.45
  Conv. Total (cfs)       735224400.0    Conv. (cfs)             321519600.0   63027950.0   350676800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14981.87    1052.87   19081.34
  Min Ch El (ft)            567.74    Shear (lb/sq ft)            0.52       0.97       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.03       2.87       0.88
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    117577.50   20559.59   140952.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1063.34      99.15    1274.35
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CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275655.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  187.75  792.64  610.85  777.13 1286.93  761.61 1457.05  754.54
 1728.74  747.34 1888.08  745.78 2221.27  745.78 2539.34  744.64 3393.61  720.15
 3461.92  716.58 3548.74  714.22 3559.51   714.1 3751.34  717.71 3922.48  715.78
  4058.5  713.74 4204.54  709.76 4561.53  701.14 4996.61  693.74 5320.41  692.21
 5459.74  690.78 5611.35  685.71 5676.58  681.13 6022.11   679.2 6354.99  680.35
 6489.28  681.56 6699.06  673.12 6857.73   668.9  6925.6  664.68 6972.32  664.68
 7115.68  667.63 7323.04  677.67 7383.08  676.49 7506.48  675.75 7852.89  666.05
 7898.55  667.21 8045.93   667.2 8325.35  648.86 8338.78  647.34 8503.41  638.64
 8635.62  637.92 8878.02  645.03 9044.62  644.12 9219.15  634.73 9396.65   631.5
 9534.15  618.19 9550.58  617.98 9636.08  609.54  9796.5  596.88 9851.15  596.88
 9891.21  600.7310012.08  629.6810114.71  639.5410484.46  635.9510635.27   628.7
 10688.5  622.4110891.42  620.4411132.05  629.6611418.38  626.8812023.94  622.66
13418.56  622.66 13648.1  616.8814238.16  616.8814692.11   621.1 14749.4  625.32
15029.76  622.2815036.41  616.4215138.12  614.86 15766.6   595.116301.65  588.44
16364.35  583.2316585.14  579.7216642.11   574.616731.75  567.7417169.14  567.74
 17263.4  572.4417353.77  588.4417441.71  609.2617460.54  611.7117696.89   634.6
18133.18  640.2518564.73   642.420658.24   638.920772.48   638.921000.02  639.52
21346.97  634.6822324.89  637.3422580.06  641.5624241.37  645.7824620.47  647.78
   25040  651.8825684.88  663.2225906.93  664.2227011.79  664.2227641.65  658.44
27913.12  658.4428482.19  654.2228717.84  651.7728887.91  650.9229026.71  647.45
29174.05  648.2529465.53  654.0529784.47  656.8330873.09  677.7431531.62   679.9
32491.21  723.5132632.66  723.9833244.35  691.3133278.76  691.4234858.64  742.84
35892.95  741.3836088.71  743.4636437.57  760.3836478.66  761.01 36782.6  759.89
37111.38  770.7237268.12  773.1238035.79     79038725.67  792.8139073.57     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516301.65     .1517353.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16301.6517353.77                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503219.00   195761.60   1744749.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1503219.00   195761.60   1744749.00
  Q Total (cfs)           6730000.00    Flow (cfs)            2942067.00   577576.60   3210357.00
  Top Width (ft)          35098.19    Top Width (ft)          14972.82    1052.12   19073.25
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.96       2.95       1.84
  Max Chl Dpth (ft)         192.13    Hydr. Depth (ft)          100.40     186.06      91.48
  Conv. Total (cfs)       735401500.0    Conv. (cfs)            321486000.0   63113040.0   350802500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14985.41    1054.38   19080.69
  Min Ch El (ft)            567.74    Shear (lb/sq ft)            0.52       0.97       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.03       2.86       0.88
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    117404.90   20537.14   140752.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1061.62      99.02    1272.17


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275652.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  187.79  792.64  610.99  777.12 1287.23   761.6 1457.39  754.53
 1729.15  747.33 1888.52  745.77 2221.79  745.77 2539.93  744.62  3394.4  720.17
 3462.73   716.6 3549.57  714.23 3560.33  714.11 3752.21  717.71 3923.39  715.77
 4059.45  713.73 4205.52  709.74  4562.6  701.12 4997.78  693.72 5321.64   692.2
 5461.01  690.76 5612.65  685.69  5677.9  681.09 6023.51  679.17 6356.47  680.32
 6490.79  681.54 6700.62  673.08 6859.32  668.85 6927.21  664.62 6973.94  664.62
 7117.34  667.57 7324.75  677.61 7384.79  676.44 7508.23  675.72 7854.72  666.06
 7900.39  667.23  8047.8  667.26 8327.29  648.95 8340.72  647.43 8505.38  638.71
 8637.63  637.99 8880.09  645.13 9046.72  644.22 9221.29  634.81 9398.84  631.57
 9536.37  618.28  9552.8  618.07 9638.32  609.61 9798.78  596.92 9853.44  596.92
 9893.51  600.7810014.41  629.7310117.06  639.61 10486.9  636.0110637.74  628.77
10690.98  622.4810893.95  620.5111134.64  629.7111421.04  626.9212026.74  622.69
13421.68  622.6913651.27  616.9214241.47  616.9214695.53  621.1514752.83  625.38
15033.26  622.3315039.91  616.4915141.65  614.9215770.27  595.1316305.44  588.46
16368.28  583.2416589.56  579.7416646.64  574.6116736.48  567.7317174.12  567.73
17268.55  572.4417359.09  588.4617447.01  609.2517465.85   611.717702.17  634.57
18138.41  640.2118569.91  642.36 20663.2  638.8520777.42  638.8521004.94  639.47
21351.85  634.6522329.66  637.3122584.81  641.5424245.93  645.7724624.99  647.78
25044.47  651.8825689.28  663.2325911.31  664.2327016.05  664.2327645.83  658.46
27917.28  658.4628486.29  654.2328721.91  651.7728891.96  650.9229030.75  647.44
29178.07  648.2429469.52  654.0429788.43  656.8230876.93  677.7131535.38  679.88
32494.86  723.43 32636.3  723.8933247.93  691.2833282.33   691.434862.04  742.76
35896.24  741.3136091.97   743.436440.79  760.3136481.88  760.9436785.79  759.84
37114.53  770.6737271.26  773.0838038.84     79038728.64  792.81 39076.5     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516305.44     .1517359.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16305.4417359.09                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503259.00   196040.50   1745067.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1503259.00   196040.50   1745067.00
  Q Total (cfs)           6730000.00    Flow (cfs)            2941051.00   578258.30   3210690.00
  Top Width (ft)          35111.35    Top Width (ft)          14976.53    1053.65   19081.18
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.96       2.95       1.84
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  Max Chl Dpth (ft)          192.14    Hydr. Depth (ft)          100.37     186.06      91.45
  Conv. Total (cfs)        735566500.0    Conv. (cfs)            321447000.0   63201700.0   350917700.0
  Length Wtd. (ft)             5.00    Wetted Per. (ft)        14989.12    1055.91   19088.59
  Min Ch El (ft)             567.73    Shear (lb/sq ft)            0.52       0.97       0.48
  Alpha                        1.06    Stream Power (lb/ft s)      1.03       2.86       0.88
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    117232.40   20514.65   140552.00
  C & E Loss (ft)              0.00    Cum SA (acres)           1059.90      98.90    1269.98


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275649.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  187.84  792.63  611.13   777.1 1287.52   761.6 1457.72  754.53
 1729.55  747.33 1888.96  745.76  2222.3  745.76 2540.52  744.61 3395.18  720.19
 3463.53  716.61 3550.39  714.24 3561.16  714.12 3753.09   717.7  3924.3  715.76
 4060.39  713.72  4206.5  709.73 4563.66   701.1 4998.94  693.71 5322.88  692.18
 5462.28  690.74 5613.96  685.66 5679.22  681.06 6024.91  679.13 6357.95   680.3
  6492.3  681.52 6702.18  673.04 6860.92   668.8 6928.82  664.56 6975.56  664.56
 7118.99  667.52 7326.45  677.56 7386.51   676.4 7509.97   675.7 7856.55  666.07
 7902.23  667.25 8049.67  667.32 8329.23  649.04 8342.66  647.52 8507.36  638.78
 8639.64  638.06 8882.16  645.22 9048.83  644.32 9223.44  634.89 9401.02  631.65
 9538.59  618.37 9555.02  618.16 9640.56  609.68 9801.06  596.96 9855.74  596.96
 9895.81  600.8310016.74  629.7710119.41  639.6810489.34  636.0710640.22  628.84
10693.47  622.5610896.49  620.5811137.23  629.7511423.69  626.9612029.54  622.72
 13424.8  622.7213654.45  616.9614244.78  616.9614698.94   621.214756.27  625.44
15036.75  622.3815043.41  616.5515145.17  614.9815773.94  595.1616309.23  588.48
16372.21  583.2516593.97  579.7616651.18  574.6216741.22  567.73 17179.1  567.73
 17273.7  572.4317364.41  588.4817452.32  609.2517471.15   611.717707.45  634.53
18143.64  640.18 18575.1  642.3220668.15   638.820782.37   638.821009.86  639.42
21356.72  634.6122334.43  637.2822589.55  641.5224250.49  645.7624629.51  647.77
25048.95  651.8825693.68  663.2525915.69  664.2427020.31  664.2427650.02  658.48
27921.44  658.4828490.39  654.2428725.98  651.7828896.02  650.9229034.78  647.43
29182.09  648.22 29473.5  654.0429792.38  656.8130880.76  677.6831539.14  679.85
32498.52  723.3432639.94  723.81 33251.5  691.26 33285.9  691.3834865.43  742.67
35899.52  741.2436095.23  743.3436444.02  760.24 36485.1  760.8736788.97  759.79
37117.68  770.6237274.39  773.0438041.88     79038731.62  792.8239079.44     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516309.23     .1517364.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16309.2317364.41                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.87    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                       Flow Area (sq ft)       1503284.00   196314.80   1745407.00
  E.G. Slope (ft/ft)       0.000084    Area (sq ft)            1503284.00   196314.80   1745407.00
  Q Total (cfs)            6730000.00    Flow (cfs)              2940011.00   578915.80   3211074.00
  Top Width (ft)           35131.31    Top Width (ft)          14980.01    1055.18   19096.13
  Vel Total (ft/s)             1.95    Avg. Vel. (ft/s)            1.96       2.95       1.84
  Max Chl Dpth (ft)          192.14    Hydr. Depth (ft)          100.35     186.05      91.40
  Conv. Total (cfs)        735733900.0    Conv. (cfs)            321406400.0   63287950.0   351039500.0
  Length Wtd. (ft)             5.00    Wetted Per. (ft)        14992.59    1057.44   19103.53
  Min Ch El (ft)             567.73    Shear (lb/sq ft)            0.52       0.97       0.48
  Alpha                        1.06    Stream Power (lb/ft s)      1.02       2.86       0.88
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    117059.80   20492.13   140351.70
  C & E Loss (ft)              0.00    Cum SA (acres)           1058.18      98.78    1267.78


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275646.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  187.88  792.63  611.28  777.09 1287.82   761.6 1458.06  754.52
 1729.95  747.32  1889.4  745.75 2222.82  745.75 2541.11   744.6 3395.97   720.2
 3464.34  716.63 3551.22  714.25 3561.99  714.13 3753.96   717.7 3925.22  715.75
 4061.33   713.7 4207.48  709.71 4564.72  701.08  5000.1  693.69 5324.12  692.16
 5463.55  690.73 5615.27  685.63 5680.54  681.02 6026.31   679.1 6359.43  680.28
 6493.81   681.5 6703.74     673 6862.51  668.75 6930.43   664.5 6977.18   664.5
 7120.65  667.47 7328.16  677.51 7388.23  676.35 7511.72  675.67 7858.37  666.07
 7904.07  667.27 8051.55  667.38 8331.16  649.13  8344.6  647.61 8509.34  638.86
 8641.65  638.14 8884.22  645.32 9050.93  644.41 9225.58  634.96 9403.21  631.72
 9540.81  618.46 9557.24  618.25  9642.8  609.75 9803.34     597 9858.03     597
 9898.11  600.8810019.07  629.8210121.77  639.7510491.78  636.1310642.69  628.91
10695.96  622.6410899.02  620.6511139.82   629.811426.35     62712032.33  622.75
13427.92  622.7513657.62     617 14248.1     61714702.36  621.25 14759.7   625.5
15040.25  622.4315046.91  616.6115148.69  615.0415777.61  595.1816313.03   588.5
16376.14  583.2616598.38  579.7816655.72  574.6316745.95  567.7317184.07  567.73
17278.85  572.4317369.72   588.517457.63  609.2517476.46   611.717712.73  634.49
18148.88  640.1418580.28  642.27 20673.1  638.7520787.31  638.7521014.78  639.37
 21361.6  634.57 22339.2  637.2522594.29   641.524255.06  645.7524634.03  647.77
25053.42  651.8825698.08  663.2625920.07  664.2527024.57  664.2527654.21   658.5
 27925.6   658.528494.48  654.2528730.05  651.7828900.07  650.9229038.82  647.42
29186.11  648.2129477.49  654.0329796.34   656.8 30884.6  677.65 31542.9  679.83
32502.18  723.2532643.58  723.7233255.07  691.2433289.47  691.3634868.83  742.58
 35902.8  741.17 36098.5  743.2736447.24  760.1736488.32   760.836792.16  759.75
37120.83  770.5837277.52     77338044.93     79038734.59  792.8339082.38     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516313.03     .1517369.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      16313.0317369.72                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503329.00   196584.80   1745768.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1503329.00   196584.80   1745768.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2938979.00   579549.80   3211471.00
  Top Width (ft)          35148.97    Top Width (ft)          14983.54    1056.69   19108.73
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.95       2.95       1.84
  Max Chl Dpth (ft)         192.14    Hydr. Depth (ft)          100.33     186.04      91.36
  Conv. Total (cfs)       735912800.0    Conv. (cfs)             321371800.0   63372680.0   351168300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14996.13    1058.96   19116.12
  Min Ch El (ft)            567.73    Shear (lb/sq ft)            0.52       0.97       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.02       2.86       0.88
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    116887.30   20469.59   140151.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1056.46      98.66    1265.59


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275643.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  187.92  792.62  611.42  777.08 1288.12  761.59  1458.4  754.51
 1730.35  747.31 1889.84  745.74 2223.34  745.74  2541.7  744.58 3396.76  720.22
 3465.15  716.64 3552.04  714.26 3562.82  714.14 3754.83  717.69 3926.13  715.74
 4062.28  713.69 4208.46  709.69 4565.78  701.06 5001.26  693.68 5325.36  692.14
 5464.82  690.71 5616.57  685.61 5681.86  680.98 6027.71  679.07 6360.91  680.26
 6495.32  681.48  6705.3  672.96 6864.11   668.7 6932.04  664.44 6978.81  664.44
 7122.31  667.41 7329.86  677.45 7389.95  676.31 7513.46  675.64  7860.2  666.08
  7905.9  667.28 8053.42  667.43  8333.1  649.22 8346.54   647.7 8511.32  638.93
 8643.66  638.21 8886.29  645.41 9053.04  644.51 9227.73  635.04  9405.4   631.8
 9543.02  618.55 9559.46  618.34 9645.04  609.82 9805.62  597.04 9860.32  597.04
 9900.42  600.92 10021.4  629.8710124.12  639.8210494.22   636.210645.17  628.98
10698.44  622.7210901.56  620.7311142.41  629.8511429.01  627.0412035.13  622.78
13431.05  622.78 13660.8  617.0414251.41  617.0414705.78   621.314763.13  625.56
15043.75  622.4915050.41  616.6715152.21   615.115781.28  595.2116316.82  588.52
16380.07  583.2716602.79   579.816660.26  574.6416750.68  567.7317189.05  567.73
17284.01  572.4217375.04  588.5217462.93  609.2517481.76  611.6917718.01  634.46
18154.11  640.1118585.47  642.2320678.06   638.720792.25   638.721019.69  639.32
21366.48  634.5422343.97  637.2222599.04  641.4824259.62  645.7424638.55  647.76
25057.89  651.8725702.49  663.2725924.45  664.2627028.83  664.26 27658.4  658.52
27929.76  658.5228498.58  654.2628734.12  651.7928904.12  650.9229042.86   647.4
29190.13   648.229481.48  654.0229800.29   656.830888.43  677.6231546.66  679.81
32505.83  723.1732647.22  723.6433258.65  691.2233293.04  691.3434872.23  742.49
35906.09  741.0936101.76  743.2136450.46   760.136491.54  760.7336795.34   759.7
37123.98  770.5337280.66  772.9638047.98     79038737.56  792.8339085.31     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516316.82     .1517375.04     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16316.8217375.04                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503364.00   196859.00   1746098.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1503364.00   196859.00   1746098.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2937953.00   580209.00   3211838.00
  Top Width (ft)          35170.32    Top Width (ft)          14987.25    1058.22   19124.85
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.95       2.95       1.84
  Max Chl Dpth (ft)         192.14    Hydr. Depth (ft)          100.31     186.03      91.30
  Conv. Total (cfs)       736076700.0    Conv. (cfs)             321331200.0   63458880.0   351286600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        14999.84    1060.49   19132.23
  Min Ch El (ft)            567.73    Shear (lb/sq ft)            0.52       0.97       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.02       2.86       0.88
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    116714.70   20447.01   139950.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1054.74      98.54    1263.40


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275641.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  187.97  792.62  611.56  777.07 1288.42  761.59 1458.74   754.5
 1730.76  747.31 1890.28  745.73 2223.85  745.73 2542.29  744.57 3397.55  720.24
 3465.95  716.66 3552.87  714.27 3563.65  714.15 3755.71  717.69 3927.04  715.73
 4063.22  713.67 4209.44  709.68 4566.84  701.04 5002.43  693.66  5326.6  692.12
 5466.09  690.69 5617.88  685.58 5683.18  680.95 6029.11  679.03 6362.38  680.23
 6496.83  681.46 6706.86  672.92 6865.71  668.65 6933.66  664.38 6980.43  664.38
 7123.96  667.36 7331.56   677.4 7391.66  676.26 7515.21  675.61 7862.03  666.09
 7907.74   667.3 8055.29  667.49 8335.04   649.3 8348.48  647.79  8513.3     639
 8645.67  638.28 8888.35  645.51 9055.14  644.61 9229.87  635.12 9407.58  631.87
 9545.24  618.64 9561.69  618.43 9647.29  609.89  9807.9  597.08 9862.61  597.08
 9902.72  600.9710023.73  629.9110126.47  639.8910496.66  636.2610647.64  629.04
10700.93  622.7910904.09   620.8   11145  629.8911431.66  627.0812037.93  622.81
13434.17  622.8113663.97  617.0814254.72  617.08 14709.2  621.3514766.56  625.62
15047.25  622.5415053.91  616.7415155.74  615.1615784.95  595.2316320.61  588.54
   16384  583.2816607.21  579.81 16664.8  574.6516755.42  567.7317194.03  567.73
17289.16  572.4217380.36  588.5417468.24  609.2517487.07  611.6917723.29  634.42
18159.34  640.0718590.65  642.1920683.01  638.6520797.19  638.6521024.61  639.28
21371.36   634.522348.75  637.1922603.78  641.4624264.18  645.7324643.07  647.76
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25062.37  651.8725706.89  663.2825928.82  664.2727033.08  664.2727662.59  658.54
27933.92  658.5428502.68  654.2728738.19  651.7928908.17  650.9129046.89  647.39
29194.15  648.1829485.47  654.0229804.24  656.7930892.27   677.631550.43  679.78
32509.49  723.0832650.87  723.5533262.22   691.233296.61  691.3234875.62   742.4
35909.38  741.0236105.02  743.1536453.69  760.0336494.76  760.6636798.53  759.65
37127.13  770.4937283.79  772.9238051.03     79038740.54  792.8439088.25     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516320.61     .1517380.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16320.6117380.36                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503407.00   197133.70   1746441.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1503407.00   197133.70   1746441.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2936940.00   580863.10   3212197.00
  Top Width (ft)          35192.10    Top Width (ft)          14990.78    1059.75   19141.57
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.95       2.95       1.84
  Max Chl Dpth (ft)         192.14    Hydr. Depth (ft)          100.29     186.02      91.24
  Conv. Total (cfs)       736250400.0    Conv. (cfs)            321296100.0   63545420.0   351408800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15003.36    1062.02   19148.93
  Min Ch El (ft)            567.73    Shear (lb/sq ft)            0.52       0.97       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.02       2.85       0.88
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    116542.10   20424.39   139750.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1053.02      98.42    1261.20


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275638.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  188.01  792.61   611.7  777.05 1288.72  761.59 1459.08  754.49
 1731.16   747.3 1890.71  745.72 2224.37  745.72 2542.88  744.56 3398.34  720.25
 3466.76  716.68  3553.7  714.28 3564.47  714.16 3756.58  717.68 3927.95  715.72
 4064.17  713.66 4210.41  709.66  4567.9  701.03 5003.59  693.65 5327.83   692.1
 5467.36  690.67 5619.18  685.55  5684.5  680.91 6030.51     679 6363.86  680.21
 6498.34  681.44 6708.42  672.88  6867.3   668.6 6935.27  664.32 6982.05  664.32
 7125.62  667.31 7333.27  677.35 7393.38  676.21 7516.96  675.59 7863.85   666.1
 7909.58  667.32 8057.16  667.55 8336.97  649.39 8350.42  647.87 8515.28  639.07
 8647.68  638.35 8890.42   645.6 9057.25   644.7 9232.02   635.2 9409.77  631.95
 9547.46  618.73 9563.91  618.52 9649.53  609.96 9810.18  597.12  9864.9  597.12
 9905.02  601.0210026.06  629.9610128.83  639.96 10499.1  636.3210650.12  629.11
10703.42  622.8710906.62  620.8711147.59  629.9411434.32  627.1212040.73  622.84
13437.29  622.8413667.15  617.1214258.04  617.1214712.62   621.414769.99  625.68
15050.74  622.5915057.41   616.815159.26  615.2215788.61  595.26 16324.4  588.56
16387.93   583.316611.62  579.8316669.33  574.6616760.15  567.7317199.01  567.73
17294.31  572.4217385.68  588.5617473.55  609.2417492.37  611.6917728.57  634.38
18164.57  640.0418595.84  642.1520687.97   638.620802.13   638.621029.53  639.23
21376.24  634.4622353.52  637.1622608.53  641.4424268.74  645.7224647.59  647.75
25066.84  651.8725711.29  663.29 25933.2  664.2827037.34  664.2827666.78  658.56
27938.07  658.5628506.77  654.2828742.26  651.7928912.22  650.9129050.93  647.38
29198.17  648.1729489.46  654.01 29808.2  656.78 30896.1  677.5731554.19  679.76
32513.15  722.9932654.51  723.46 33265.8  691.1833300.18   691.334879.02  742.32
35912.66  740.9536108.29  743.0936456.91  759.9636497.98  760.5936801.71   759.6
37130.28  770.4437286.92  772.8838054.08     79038743.51  792.8539091.18     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 16324.4     .1517385.68     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16324.417385.68                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503436.00   197405.70   1746775.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1503436.00   197405.70   1746775.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2935922.00   581511.10   3212567.00
  Top Width (ft)          35214.52    Top Width (ft)          14994.31    1061.28   19158.93
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.95       2.95       1.84
  Max Chl Dpth (ft)         192.14    Hydr. Depth (ft)          100.27     186.01      91.17
  Conv. Total (cfs)       736414500.0    Conv. (cfs)            321256400.0   63630490.0   351527600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15006.89    1063.55   19166.28
  Min Ch El (ft)            567.73    Shear (lb/sq ft)            0.52       0.97       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.02       2.85       0.87
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    116369.60   20401.75   139550.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1051.30      98.30    1259.00


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275635.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  188.06  792.61  611.84  777.04 1289.02  761.59 1459.42  754.49
 1731.56   747.3 1891.15  745.71 2224.89  745.71 2543.47  744.55 3399.13  720.27
 3467.56  716.69 3554.52  714.29  3565.3  714.17 3757.45  717.67 3928.87  715.71
 4065.11  713.64 4211.39  709.64 4568.96  701.01 5004.75  693.63 5329.07  692.09
 5468.63  690.65 5620.49  685.52 5685.82  680.87 6031.92  678.97 6365.34  680.19
 6499.85  681.42 6709.98  672.84  6868.9  668.55 6936.88  664.26 6983.67  664.26
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 7127.27  667.25 7334.97   677.3  7395.1  676.17  7518.7  675.56 7865.68   666.1
 7911.42  667.33 8059.03   667.6 8338.91  649.48 8352.36  647.96 8517.25  639.14
 8649.69  638.43 8892.48   645.7 9059.35   644.8 9234.16  635.28 9411.95  632.02
 9549.68  618.82 9566.13  618.61 9651.77  610.03 9812.46  597.16  9867.2  597.16
 9907.32  601.0710028.38  630.0110131.18  640.0310501.54  636.3810652.59  629.18
 10705.9  622.9510909.16  620.9411150.18  629.9911436.98  627.1612043.52  622.87
13440.41  622.8713670.33  617.1614261.35  617.1614716.04  621.4514773.42  625.74
15054.24  622.65 15060.9  616.8615162.78  615.2815792.28  595.28 16328.2  588.58
16391.86  583.3116616.04  579.8516673.87  574.6716764.89  567.7317203.99  567.73
17299.46  572.4117390.99  588.5817478.86  609.2417497.68  611.6917733.85  634.35
 18169.8     64018601.02  642.1120692.92  638.5520807.08  638.5521034.44  639.18
21381.12  634.4322358.29  637.1322613.27  641.42 24273.3  645.7124652.11  647.75
25071.31  651.86 25715.7   663.325937.58  664.29 27041.6  664.2927670.97  658.58
27942.23  658.5828510.87  654.2928746.33   651.828916.28  650.9129054.97  647.36
29202.19  648.1529493.45     65429812.15  656.7730899.93  677.5431557.95  679.74
 32516.8  722.9132658.15  723.3833269.37  691.1633303.75  691.2834882.42  742.23
35915.94  740.8836111.55  743.0236460.13  759.88 36501.2  760.53 36804.9  759.56
37133.43   770.437290.05  772.8438057.13     79038746.48  792.8539094.11     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 16328.2     .1517390.99     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       16328.217390.99                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503473.00   197676.50   1747115.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1503473.00   197676.50   1747115.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2934923.00   582156.90   3212920.00
  Top Width (ft)          35234.32    Top Width (ft)          14997.79    1062.79   19173.74
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.95       2.94       1.84
  Max Chl Dpth (ft)         192.14    Hydr. Depth (ft)          100.25     186.00      91.12
  Conv. Total (cfs)       736581400.0    Conv. (cfs)            321219900.0   63715590.0   351645900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15010.38    1065.06   19181.07
  Min Ch El (ft)            567.73    Shear (lb/sq ft)            0.52       0.97       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.02       2.85       0.87
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    116197.00   20379.08   139349.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1049.58      98.17    1256.80


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275632.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   188.1   792.6  611.99  777.03 1289.32  761.58 1459.76  754.48
 1731.96  747.29 1891.59   745.7  2225.4   745.7 2544.06  744.53 3399.92  720.29
 3468.37  716.71 3555.35   714.3 3566.13  714.18 3758.32  717.67 3929.78   715.7
 4066.06  713.63 4212.37  709.63 4570.03  700.99 5005.91  693.62 5330.31  692.07
  5469.9  690.63 5621.79   685.5 5687.14  680.84 6033.32  678.93 6366.82  680.16
 6501.36   681.4 6711.53   672.8 6870.49   668.5 6938.49   664.2 6985.29   664.2
 7128.93   667.2 7336.68  677.24 7396.82  676.12 7520.45  675.53 7867.51  666.11
 7913.26  667.35 8060.91  667.66 8340.85  649.57  8354.3  648.05 8519.23  639.21
  8651.7   638.5 8894.55  645.79 9061.46   644.9 9236.31  635.36 9414.14   632.1
  9551.9  618.91 9568.35   618.7 9654.01   610.1 9814.74   597.2 9869.49   597.2
 9909.62  601.1210030.71  630.0510133.53  640.110503.98  636.4410655.07  629.25
10708.39  623.0210911.69  621.0111152.77  630.0311439.63   627.212046.32   622.9
13443.54   622.9 13673.5   617.214264.66   617.214719.46   621.514776.86   625.8
15057.74   622.7 15064.4  616.93 15166.3  615.3415795.95  595.3116331.99   588.6
16395.79  583.3216620.45  579.8716678.41  574.6816769.62  567.7317208.97  567.73
17304.61  572.4117396.31   588.617484.16  609.2417502.98  611.6817739.13  634.31
18175.03  639.97 18606.2  642.0720697.88   638.520812.02   638.521039.36  639.13
   21386  634.3922363.06   637.122618.01   641.424277.87   645.724656.63  647.74
25075.79  651.86 25720.1  663.3225941.96   664.327045.86   664.327675.16   658.6
27946.39   658.628514.97   654.3 28750.4   651.828920.33  650.91   29059  647.35
29206.21  648.1429497.44     654 29816.1  656.7730903.77  677.5131561.71  679.71
32520.46  722.8232661.79  723.2933272.95  691.1433307.32  691.2634885.82  742.14
35919.23  740.8136114.81  742.9636463.36  759.8136504.42  760.4636808.09  759.51
37136.58  770.3537293.19   772.838060.18     79038749.46  792.8639097.05     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516331.99     .1517396.31     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16331.9917396.31                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503512.00   197949.80   1747458.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1503512.00   197949.80   1747458.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2934012.00   582830.10   3213158.00
  Top Width (ft)          35260.59    Top Width (ft)          15001.50    1064.32   19194.77
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.95       2.94       1.84
  Max Chl Dpth (ft)         192.14    Hydr. Depth (ft)          100.22     185.99      91.04
  Conv. Total (cfs)       736720600.0    Conv. (cfs)            321180800.0   63801330.0   351738500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15014.08    1066.59   19202.09
  Min Ch El (ft)            567.73    Shear (lb/sq ft)            0.52       0.97       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.02       2.85       0.87
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    116024.40   20356.37   139148.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1047.86      98.05    1254.60


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
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REACH: UPPER BRAZOS       RS: 275629.*

INPUT
Description:
Station Elevation Data    num=     120
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800  188.14   792.6  612.13  777.02 1289.62  761.58  1460.1  754.47
 1732.36  747.28 1892.03  745.69 2225.92  745.69 2544.65  744.52 3400.71  720.31
 3469.17  716.72 3556.17  714.31 3566.96  714.19  3759.2  717.66 3930.69  715.69
    4067  713.61 4213.35  709.61 4571.09  700.97 5007.08   693.6 5331.55  692.05
 5471.17  690.61  5623.1  685.47 5688.46   680.8 6034.72   678.9  6368.3  680.14
 6502.87  681.38 6713.09  672.76 6872.09  668.45  6940.1  664.14 6986.92  664.14
 7130.58  667.15 7338.38  677.19 7398.54  676.08  7522.2  675.51 7869.34  666.12
 7915.09  667.37 8062.78  667.72 8342.79  649.66 8356.24  648.14 8521.21  639.28
 8653.71  638.57 8896.62  645.89 9063.56  644.99 9238.45  635.43 9416.33  632.17
 9554.12     619 9570.58  618.79 9656.25  610.17 9817.02  597.24 9871.78  597.24
 9911.92 601.1710033.04   630.110135.89 640.1710506.42   636.510657.54  629.32
10710.88  623.110914.23  621.0911155.36 630.0811442.29  627.2412049.12  622.93
13446.66 622.9313676.68  617.2414267.97 617.2414722.87  621.5514780.29  625.86
15061.23  622.75 15067.9  616.9915169.83  615.415799.62  595.3416335.78  588.62
16399.72 583.3316624.86  579.8816682.95 574.6916774.35  567.7317213.95  567.73
17309.76  572.417401.63  588.6217489.47 609.2417508.29  611.6817744.41  634.27
18180.26 639.9318611.39  642.0220702.83 638.4520816.96  638.4521044.28  639.08
21390.88 634.3522367.83  637.0722622.76 641.3824282.43  645.6924661.15  647.74
25080.26  651.86 25724.5  663.3325946.34 664.3127050.12  664.3127679.34  658.62
27950.55 658.6228519.06  654.3128754.47 651.8128924.38  650.9129063.04  647.34
29210.24 648.1229501.42  653.9929820.06  656.76 30907.6  677.4831565.47  679.69
32524.12 722.7332665.43  723.2133276.52 691.1233310.89  691.2434889.21  742.05
35922.51 740.7436118.07   742.936466.58 759.7436507.64  760.3936811.27  759.46
37139.73   770.337296.32 772.7638063.23     79038752.43 792.8739099.98     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1516335.78     .1517401.63     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16335.7817401.63                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503543.00   198225.50   1747817.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1503543.00   198225.50   1747817.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2933106.00   583515.40   3213379.00
  Top Width (ft)          35288.06    Top Width (ft)          15005.03    1065.85   19217.18
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.95       2.94       1.84
  Max Chl Dpth (ft)         192.13    Hydr. Depth (ft)          100.20     185.98      90.95
  Conv. Total (cfs)       736858400.0    Conv. (cfs)            321141700.0   63888300.0   351828400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15017.61    1068.13   19224.49
  Min Ch El (ft)            567.73    Shear (lb/sq ft)            0.52       0.97       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.02       2.85       0.87
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    115851.80   20333.63   138948.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1046.14      97.93    1252.40


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275626.*

INPUT
Description:
Station Elevation Data    num=     120
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800  188.19   792.6  612.27     777 1289.92  761.58 1460.44  754.46
 1732.77  747.28 1892.47  745.68 2226.44  745.68 2545.24  744.51  3401.5  720.32
 3469.98  716.74     3557  714.32 3567.79   714.2 3760.07  717.66 3931.61  715.68
 4067.94   713.6 4214.33  709.59 4572.15  700.95 5008.24  693.59 5332.79  692.03
 5472.44   690.6  5624.4  685.44 5689.78  680.76 6036.12  678.87 6369.78  680.12
 6504.38  681.36 6714.65  672.72 6873.68   668.4 6941.71  664.08 6988.54  664.08
 7132.24   667.1 7340.08  677.14 7400.25  676.03 7523.94  675.48 7871.16  666.12
 7916.93  667.39 8064.65  667.77 8344.72  649.75 8358.18  648.23 8523.19  639.36
 8655.72  638.65 8898.68  645.98 9065.66  645.09  9240.6  635.51 9418.51  632.25
 9556.33  619.09  9572.8  618.88  9658.5  610.24  9819.3  597.28 9874.07  597.28
 9914.22 601.2210035.37  630.1510138.24 640.2410508.86  636.5610660.01  629.39
10713.36 623.1810916.76  621.1611157.95 630.1311444.95  627.2812051.92  622.96
13449.78 622.9613679.85  617.2814271.29 617.2814726.29   621.614783.72  625.92
15064.73   622.8 15071.4  617.0515173.35  615.4615803.29  595.3616339.58  588.64
16403.65 583.3416629.28   579.916687.48 574.6916779.09  567.7217218.93  567.72
17314.92  572.417406.94  588.6417494.78 609.2417513.59  611.6817749.69  634.24
 18185.5  639.918616.57  641.9820707.79   638.4 20821.9   638.4 21049.2  639.03
21395.76 634.3222372.61  637.04 22627.5  641.3624286.99  645.6824665.67  647.73
25084.74 651.8525728.91  663.3425950.72  664.3227054.37  664.3227683.53  658.64
27954.71 658.6428523.16  654.3228758.55  651.8128928.43  650.9129067.08  647.32
29214.26 648.1129505.41  653.9829824.01  656.7530911.44  677.4531569.24  679.66
32527.78 722.6532669.07  723.1233280.09   691.133314.46  691.2134892.61  741.96
35925.79 740.6636121.34  742.8336469.81  759.6736510.86  760.3236814.46  759.41
37142.88 770.2637299.45  772.7238066.27     790 38755.4  792.8739102.92     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1516339.58     .1517406.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16339.5817406.94                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503579.00   198501.10   1748186.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1503579.00   198501.10   1748186.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2932193.00   584203.80   3213604.00
  Top Width (ft)          35316.35    Top Width (ft)          15008.57    1067.36   19240.42
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.95       2.94       1.84
  Max Chl Dpth (ft)         192.14    Hydr. Depth (ft)          100.18     185.97      90.86
  Conv. Total (cfs)       737001400.0    Conv. (cfs)            321104000.0   63976070.0   351921300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15021.14    1069.64   19247.72
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  Min Ch El (ft)            567.72    Shear (lb/sq ft)            0.52       0.97       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.02       2.84       0.87
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    115679.20   20310.87   138747.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1044.42      97.81    1250.19


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275623.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  188.23  792.59  612.41  776.99 1290.22  761.58 1460.78  754.46
 1733.17  747.27 1892.91  745.67 2226.95  745.67 2545.83   744.5 3402.29  720.34
 3470.78  716.75 3557.82  714.33 3568.62  714.21 3760.94  717.65 3932.52  715.67
 4068.89  713.58 4215.31  709.57 4573.21  700.93  5009.4  693.57 5334.02  692.01
 5473.71  690.58 5625.71  685.42  5691.1  680.73 6037.52  678.83 6371.26   680.1
 6505.89  681.34 6716.21  672.68 6875.28  668.35 6943.32  664.02 6990.16  664.02
  7133.9  667.04 7341.79  677.08 7401.97  675.98 7525.69  675.45 7872.99  666.13
 7918.77   667.4 8066.52  667.83 8346.66  649.83 8360.12  648.32 8525.17  639.43
 8657.73  638.72 8900.75  646.08 9067.77  645.19 9242.74  635.59  9420.7  632.32
 9558.55  619.18 9575.02  618.97 9660.74  610.31 9821.58  597.32 9876.37  597.32
 9916.53  601.27 10037.7  630.1910140.59  640.31 10511.3  636.6310662.49  629.45
10715.85  623.25 10919.3  621.2311160.54  630.17 11447.6  627.3212054.71  622.99
 13452.9  622.9913683.03  617.32 14274.6  617.3214729.71  621.6514787.15  625.98
15068.23  622.86 15074.9  617.1115176.87  615.5215806.96  595.3916343.37  588.66
16407.58  583.3516633.69  579.9216692.02   574.716783.82  567.7217223.91  567.72
17320.07   572.417412.26  588.6617500.09  609.24 17518.9  611.6717754.97   634.2
18190.73  639.8618621.76  641.9420712.74  638.3520826.85  638.3521054.11  638.98
21400.64  634.2822377.38  637.0122632.24  641.3424291.55  645.6724670.19  647.73
25089.21  651.8525733.31  663.35 25955.1  664.3327058.63  664.3327687.72  658.66
27958.87  658.6628527.26  654.3328762.62  651.8228932.48   650.929071.12  647.31
29218.28   648.1 29509.4  653.9729827.96  656.7430915.27  677.42   31573  679.64
32531.43  722.5632672.71  723.0433283.67  691.0833318.04  691.1934896.01  741.88
35929.07  740.59 36124.6  742.7736473.03   759.636514.08  760.2536817.64  759.37
37146.03  770.2137302.59  772.6838069.32     79038758.38  792.8839105.86     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516343.37     .1517412.26     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16343.3717412.26                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503618.00   198774.40   1748521.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1503618.00   198774.40   1748521.00
  Q Total (cfs)           6730000.00    Flow (cfs)            2931342.00   584881.90   3213776.00
  Top Width (ft)          35343.64    Top Width (ft)          15012.04    1068.89   19262.72
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.95       2.94       1.84
  Max Chl Dpth (ft)         192.14    Hydr. Depth (ft)          100.16     185.96      90.77
  Conv. Total (cfs)       737133200.0    Conv. (cfs)            321068300.0   64061800.0   352003100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15024.61    1071.17   19270.00
  Min Ch El (ft)            567.72    Shear (lb/sq ft)            0.52       0.97       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.02       2.84       0.87
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    115506.70   20288.06   138547.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1042.69      97.69    1247.98


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275620.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  188.27  792.59  612.55  776.98 1290.52  761.57 1461.11  754.45
 1733.57  747.26 1893.35  745.66 2227.47  745.66 2546.43  744.48 3403.08  720.36
 3471.59  716.77 3558.65  714.34 3569.44  714.22 3761.82  717.65 3933.43  715.66
 4069.83  713.57 4216.28  709.56 4574.27  700.91 5010.56  693.56 5335.26  691.99
 5474.98  690.56 5627.02  685.39 5692.43  680.69 6038.92   678.8 6372.74  680.07
  6507.4  681.32 6717.77  672.64 6876.87   668.3 6944.94  663.96 6991.78  663.96
 7135.55  666.99 7343.49  677.03 7403.69  675.94 7527.44  675.42 7874.82  666.14
 7920.61  667.42  8068.4  667.89  8348.6  649.92 8362.06  648.41 8527.15   639.5
 8659.74  638.79 8902.81  646.17 9069.87  645.28 9244.89  635.67 9422.89   632.4
 9560.77  619.28 9577.24  619.06 9662.98  610.38 9823.85  597.36 9878.66  597.36
 9918.83  601.3210040.03  630.2410142.95  640.3810513.74  636.6910664.96  629.52
10718.34  623.3310921.83   621.311163.13  630.2211450.26  627.3612057.51  623.02
13456.02  623.02 13686.2  617.3614277.91  617.3614733.13   621.714790.58  626.04
15071.73  622.91 15078.4  617.1815180.39  615.5915810.62  595.4116347.16  588.68
16411.51  583.37 16638.1  579.9416696.56  574.7116788.56  567.7217228.89  567.72
17325.22  572.3917417.58  588.6817505.39  609.2317524.21  611.6717760.25  634.16
18195.96  639.8318626.94   641.9 20717.7   638.320831.79   638.321059.03  638.94
21405.52  634.2522382.15  636.9822636.99  641.3224296.11  645.6624674.71  647.72
25093.69  651.8525737.71  663.3625959.48  664.3427062.89  664.3427691.91  658.68
27963.03  658.6828531.35  654.3428766.69  651.8228936.54   650.929075.15   647.3
 29222.3  648.0829513.39  653.9729831.92  656.7430919.11  677.3931576.76  679.62
32535.09  722.4832676.36  722.9533287.24  691.0633321.61  691.1734899.41  741.79
35932.36  740.5236127.86  742.7136476.25  759.53 36517.3  760.1836820.83  759.32
37149.18  770.1737305.72  772.6438072.37     79038761.35  792.8939108.79     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516347.16     .1517417.58     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16347.1617417.58                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
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  E.G. Elev (ft)            759.93    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503652.00   199047.00   1748853.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1503652.00   199047.00   1748853.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2930477.00   585562.60   3213961.00
  Top Width (ft)          35374.10    Top Width (ft)          15015.75    1070.42   19287.93
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.95       2.94       1.84
  Max Chl Dpth (ft)         192.14    Hydr. Depth (ft)          100.14     185.95      90.67
  Conv. Total (cfs)       737257400.0    Conv. (cfs)             321027600.0   64147160.0   352082700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15028.32    1072.70   19295.19
  Min Ch El (ft)            567.72    Shear (lb/sq ft)            0.52       0.97       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.01       2.84       0.87
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    115334.10   20265.23   138346.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1040.97      97.56    1245.77


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275617.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev
       0     800  188.32  792.58   612.7  776.97 1290.82  761.57 1461.45  754.44
 1733.97  747.26 1893.79  745.65 2227.99  745.65 2547.02  744.47 3403.87  720.37
  3472.4  716.78 3559.48  714.35 3570.27  714.22 3762.69  717.64 3934.34  715.65
 4070.78  713.55 4217.26  709.54 4575.33  700.89 5011.73  693.54  5336.5  691.97
 5476.25  690.54 5628.32  685.36 5693.75  680.65 6040.32  678.77 6374.21  680.05
 6508.91   681.3 6719.33   672.6 6878.47  668.25 6946.55   663.9 6993.41   663.9
 7137.21  666.94 7345.19  676.98 7405.41  675.89 7529.18   675.4 7876.64  666.14
 7922.44  667.44 8070.27  667.94 8350.53  650.01    8364  648.49 8529.13  639.57
 8661.75  638.86 8904.88  646.27 9071.98  645.38 9247.03  635.75 9425.07  632.47
 9562.99  619.37 9579.46  619.15 9665.22  610.45 9826.13   597.4 9880.95   597.4
 9921.13  601.3710042.36  630.29 10145.3  640.4510516.17  636.7510667.44  629.59
10720.83  623.4110924.36  621.3711165.72  630.2711452.92   627.412060.31  623.05
13459.15  623.0513689.38   617.414281.22   617.414736.55  621.7514794.02   626.1
15075.22  622.96 15081.9  617.2415183.91  615.6515814.29  595.4416350.96   588.7
16415.44  583.3816642.52  579.96 16701.1  574.7216793.29  567.7217233.87  567.72
17330.37  572.3917422.89   588.7 17510.7  609.2317529.51  611.6717765.53  634.13
18201.19  639.7918632.12  641.8620722.65  638.2520836.73  638.2521063.95  638.89
21410.39  634.2122386.92  636.9522641.73   641.324300.67  645.6524679.23  647.71
25098.16  651.8425742.12  663.3725963.86  664.3527067.15  664.35 27696.1   658.7
27967.19   658.728535.45  654.3528770.76  651.8228940.59   650.929079.19  647.29
29226.32  648.0729517.38  653.9629835.87  656.7330922.94  677.3631580.52  679.59
32538.75  722.39   32680  722.8733290.82  691.0433325.18  691.15 34902.8   741.7
35935.64  740.4536131.12  742.6536479.48  759.4636520.52  760.1136824.02  759.27
37152.33  770.1237308.85   772.638075.42     79038764.32  792.8939111.73     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516350.96     .1517422.89     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16350.9617422.89                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503693.00   199316.80   1749220.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1503693.00   199316.80   1749220.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2929595.00   586223.60   3214182.00
  Top Width (ft)          35405.41    Top Width (ft)          15019.29    1071.93   19314.20
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.95       2.94       1.84
  Max Chl Dpth (ft)         192.14    Hydr. Depth (ft)          100.12     185.94      90.57
  Conv. Total (cfs)       737397100.0    Conv. (cfs)             320991800.0   64231730.0   352173500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15031.85    1074.21   19321.45
  Min Ch El (ft)            567.72    Shear (lb/sq ft)            0.52       0.96       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.01       2.84       0.87
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    115161.50   20242.37   138145.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1039.25      97.44    1243.55


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275614.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev
       0     800  188.36  792.58  612.84  776.96 1291.12  761.57 1461.79  754.43
 1734.38  747.25 1894.23  745.64  2228.5  745.64 2547.61  744.46 3404.66  720.39
  3473.2   716.8  3560.3  714.36  3571.1  714.23 3763.56  717.64 3935.26  715.64
 4071.72  713.54 4218.24  709.52 4576.39  700.87 5012.89  693.53 5337.74  691.96
 5477.52  690.52 5629.63  685.33 5695.07  680.62 6041.72  678.73 6375.69  680.03
 6510.42  681.28 6720.89  672.56 6880.07   668.2 6948.16  663.84 6995.03  663.84
 7138.86  666.88  7346.9  676.93 7407.12  675.85 7530.93  675.37 7878.47  666.15
 7924.28  667.45 8072.14     668 8352.47   650.1 8365.94  648.58  8531.1  639.64
 8663.75  638.94 8906.94  646.37 9074.08  645.48 9249.18  635.83 9427.26  632.54
 9565.21  619.46 9581.69  619.24 9667.46  610.52 9828.41  597.44 9883.24  597.44
 9923.43  601.4210044.69  630.3310147.66  640.5210518.61  636.8110669.91  629.66
10723.31  623.48 10926.9  621.4511168.31  630.3111455.58  627.4412063.11  623.08
13462.27  623.0813692.55  617.4414284.54  617.4414739.97   621.814797.45  626.16
15078.72  623.0215085.39   617.315187.44  615.7115817.96  595.4716354.75  588.72
16419.37  583.3916646.93  579.9716705.64  574.7316798.02  567.7217238.84  567.72
17335.52  572.3817428.21  588.7217516.01  609.2317534.82  611.6717770.81  634.09
18206.42  639.7618637.31  641.8120727.61   638.220841.67   638.221068.86  638.84
21415.27  634.1722391.69  636.9222646.48  641.2824305.23  645.6424683.75  647.71
25102.63  651.8425746.52  663.3925968.23  664.36 27071.4  664.3627700.29  658.72
27971.35  658.7228539.54  654.3628774.83  651.8328944.64   650.929083.23  647.27
29230.34  648.0529521.37  653.9529839.83  656.7230926.77  677.3331584.29  679.57
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 32542.4   722.332683.64  722.7833294.39  691.0233328.75  691.13 34906.2  741.61
35938.93  740.3836134.38  742.58 36482.7  759.3936523.74  760.04 36827.2  759.22
37155.48  770.0837311.98  772.5638078.47     79038767.29   792.939114.66     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516354.75     .1517428.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16354.7517428.21                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503718.00   199592.30   1749585.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1503718.00   199592.30   1749585.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2928679.00   586908.60   3214412.00
  Top Width (ft)          35437.80    Top Width (ft)          15022.81    1073.46   19341.52
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.95       2.94       1.84
  Max Chl Dpth (ft)         192.14    Hydr. Depth (ft)          100.10     185.93      90.46
  Conv. Total (cfs)       737532900.0    Conv. (cfs)            320950500.0   64318640.0   352263700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15035.39    1075.75   19348.76
  Min Ch El (ft)            567.72    Shear (lb/sq ft)            0.52       0.96       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.01       2.84       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    114988.90   20219.47   137944.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1037.52      97.32    1241.33


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275611.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  188.41  792.57  612.98  776.94 1291.42  761.56 1462.13  754.42
 1734.78  747.25 1894.67  745.63 2229.02  745.63  2548.2  744.44 3405.45  720.41
 3474.01  716.82 3561.13  714.37 3571.93  714.24 3764.43  717.63 3936.17  715.63
 4072.67  713.52 4219.22  709.51 4577.46  700.85 5014.05  693.51 5338.98  691.94
 5478.79   690.5 5630.93  685.31 5696.39  680.58 6043.12   678.7 6377.17     680
 6511.93  681.26 6722.45  672.52 6881.66  668.15 6949.77  663.78 6996.65  663.78
 7140.52  666.83  7348.6  676.87 7408.84   675.8 7532.68  675.34  7880.3  666.16
 7926.12  667.47 8074.01  668.06 8354.41  650.19 8367.88  648.67 8533.08  639.71
 8665.76  639.01 8909.01  646.46 9076.19  645.57 9251.32   635.9 9429.45  632.62
 9567.43  619.55 9583.91  619.33 9669.71  610.59 9830.69  597.48 9885.53  597.48
 9925.73  601.4710047.02  630.3810150.01  640.5910521.05  636.8710672.39  629.73
 10725.8  623.5610929.43  621.52 11170.9  630.3611458.23  627.4812065.91  623.11
13465.39  623.1113695.73  617.4814287.85  617.4814743.38  621.8514800.88  626.22
15082.22  623.0715088.89  617.3615190.96  615.7715821.63  595.4916358.54  588.74
 16423.3   583.416651.34  579.9916710.17  574.7416802.76  567.7217243.82  567.72
17340.67  572.3817433.53  588.7417521.31  609.2317540.12  611.6617776.09  634.06
18211.65  639.7218642.49  641.7720732.56  638.1520846.61  638.1521073.78  638.79
21420.15  634.1422396.46  636.8922651.22  641.26 24309.8  645.6324688.27   647.7
25107.11  651.8425750.92   663.425972.61  664.3727075.66  664.3727704.48  658.74
27975.51  658.7428543.64  654.37 28778.9  651.8328948.69   650.929087.26  647.26
29234.36  648.0429525.36  653.9529843.78  656.7130930.61   677.331588.05  679.54
32546.06  722.2232687.28   722.733297.96     69133332.32  691.11 34909.6  741.52
35942.21  740.3136137.64  742.5236485.93  759.3236526.96  759.9836830.39  759.18
37158.63  770.0337315.12  772.5238081.52     79038770.27  792.9139117.59     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516358.54     .1517433.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16358.5417433.53                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503764.00   199865.10   1749933.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1503764.00   199865.10   1749933.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2927790.00   587577.70   3214632.00
  Top Width (ft)          35466.95    Top Width (ft)          15026.52    1074.99   19365.44
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.95       2.94       1.84
  Max Chl Dpth (ft)         192.14    Hydr. Depth (ft)          100.07     185.92      90.36
  Conv. Total (cfs)       737672800.0    Conv. (cfs)            320914000.0   64404170.0   352354600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15039.09    1077.28   19372.66
  Min Ch El (ft)            567.72    Shear (lb/sq ft)            0.52       0.96       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.01       2.83       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    114816.30   20196.55   137743.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1035.80      97.19    1239.11


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275608.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  188.45  792.57  613.12  776.93 1291.72  761.56 1462.47  754.42
 1735.18  747.24 1895.11  745.62 2229.54  745.62 2548.79  744.43 3406.24  720.42
 3474.81  716.83 3561.95  714.38 3572.76  714.25 3765.31  717.63 3937.08  715.62
 4073.61  713.51  4220.2  709.49 4578.52  700.83 5015.21   693.5 5340.21  691.92
 5480.06  690.48 5632.24  685.28 5697.71  680.55 6044.53  678.67 6378.65  679.98
 6513.44  681.24    6724  672.48 6883.26   668.1 6951.38  663.72 6998.27  663.72
 7142.17  666.78 7350.31  676.82 7410.56  675.76 7534.42  675.31 7882.13  666.16
 7927.96  667.49 8075.88  668.11 8356.34  650.28 8369.82  648.76 8535.06  639.79
 8667.77  639.08 8911.08  646.56 9078.29  645.67 9253.47  635.98 9431.63  632.69
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 9569.64  619.64 9586.13  619.42 9671.95  610.66 9832.97  597.52 9887.83  597.52
 9928.03  601.5110049.35  630.4310152.36  640.6610523.49  636.9310674.86  629.79
10728.29  623.6410931.97  621.5911173.49  630.4111460.89  627.52 12068.7  623.14
13468.51  623.1413698.91  617.5214291.16  617.52 14746.8   621.914804.31  626.28
15085.71  623.1215092.39  617.4315194.48  615.83 15825.3  595.5216362.33  588.76
16427.23  583.4116655.75  580.0116714.71  574.7516807.49  567.72 17248.8  567.72
17345.82  572.3717438.85  588.7617526.62  609.2317545.43  611.6617781.37  634.02
18216.88  639.6918647.68  641.7320737.51   638.120851.55   638.1 21078.7  638.74
21425.03   634.122401.24  636.8622655.96  641.2424314.36  645.6224692.79   647.7
25111.58  651.8325755.33  663.4125976.99  664.3827079.92  664.3827708.67  658.76
27979.66  658.7628547.74  654.3828782.97  651.8428952.74   650.9 29091.3  647.25
29238.38  648.0229529.35  653.9429847.73  656.7130934.44  677.2831591.81  679.52
32549.72  722.1332690.92  722.6133301.54  690.9833335.89  691.09   34913  741.44
 35945.5  740.2336140.91  742.4636489.15  759.2536530.18  759.9136833.58  759.13
37161.79  769.9837318.25  772.4838084.57     79038773.24  792.9139120.53     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516362.33     .1517438.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16362.3317438.85                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503793.00   200139.10   1750272.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1503793.00   200139.10   1750272.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2926927.00   588260.90   3214813.00
  Top Width (ft)          35501.57    Top Width (ft)          15029.99    1076.52   19395.05
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.95       2.94       1.84
  Max Chl Dpth (ft)         192.14    Hydr. Depth (ft)          100.05     185.91      90.24
  Conv. Total (cfs)       737801100.0    Conv. (cfs)             320875200.0   64490270.0   352435700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15042.56    1078.81   19402.26
  Min Ch El (ft)            567.72    Shear (lb/sq ft)            0.52       0.96       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.01       2.83       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    114643.60   20173.59   137543.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1034.07      97.07    1236.89


Warning: Divided flow computed for this cross-section.

CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275606.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  188.49  792.56  613.27  776.92 1292.02  761.56 1462.81  754.41
 1735.58  747.23 1895.55  745.61 2230.06  745.61 2549.38  744.42 3407.03  720.44
 3475.62  716.85 3562.78  714.39 3573.58  714.26 3766.18  717.62 3937.99  715.61
 4074.55  713.49 4221.18  709.47 4579.58  700.81 5016.38  693.48 5341.45   691.9
 5481.33  690.46 5633.54  685.25 5699.03  680.51 6045.93  678.64 6380.13  679.96
 6514.95  681.22 6725.56  672.44 6884.85  668.05 6952.99  663.66  6999.9  663.66
 7143.83  666.72 7352.01  676.77 7412.28  675.71 7536.17  675.29 7883.95  666.17
  7929.8  667.51 8077.76  668.17 8358.28  650.37 8371.76  648.85 8537.04  639.86
 8669.78  639.16 8913.14  646.65  9080.4  645.77 9255.61  636.06 9433.82  632.77
 9571.86  619.73 9588.35  619.51 9674.19  610.73 9835.25  597.56 9890.12  597.56
 9930.33  601.5610051.68  630.4710154.72  640.7310525.93  636.9910677.34  629.86
10730.77  623.71 10934.5  621.6611176.08  630.4511463.54  627.56 12071.5  623.17
13471.63  623.1713702.08  617.5614294.48  617.5614750.22  621.9514807.74  626.34
15089.21  623.1715095.89  617.49   15198  615.8915828.97  595.5416366.13  588.78
16431.16  583.4216660.17  580.0316719.25  574.7616812.23  567.7217253.78  567.72
17350.98  572.3717444.16  588.7817531.93  609.2317550.73  611.6617786.64  633.98
18222.12  639.6518652.86  641.6920742.47  638.05 20856.5  638.0521083.62  638.69
21429.91  634.0622406.01  636.8322660.71  641.2224318.92  645.6124697.31  647.69
25116.05  651.8325759.73  663.4225981.37  664.3927084.18  664.3927712.85  658.78
27983.82  658.7828551.84  654.3928787.04  651.84 28956.8  650.8929095.34  647.23
 29242.4  648.0129533.33  653.9329851.69   656.730938.28  677.2531595.57   679.5
32553.37  722.0432694.56  722.5333305.11  690.9533339.46  691.0734916.39  741.35
35948.78  740.1636144.17  742.3936492.38  759.18 36533.4  759.8436836.77  759.08
37164.93  769.9437321.39  772.4438087.62     79038776.21  792.9239123.46     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516366.13     .1517444.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16366.1317444.16                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503833.00   200408.70   1750643.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1503833.00   200408.70   1750643.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2941627.00   592055.90   3196317.00
  Top Width (ft)          35527.77    Top Width (ft)          15033.53    1078.03   19416.21
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.96       2.95       1.83
  Max Chl Dpth (ft)         192.14    Hydr. Depth (ft)          100.03     185.90      90.16
  Conv. Total (cfs)       734032000.0    Conv. (cfs)             320839300.0   64574730.0   348618000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15046.09    1080.32   19423.41
  Min Ch El (ft)            567.72    Shear (lb/sq ft)            0.52       0.97       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.03       2.88       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    114471.00   20150.60   137342.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1032.35      96.95    1234.66


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275603.*

INPUT
Description:
Station Elevation Data    num=     120
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  188.54  792.56  613.41  776.91 1292.32  761.56 1463.15   754.4
 1735.98  747.23 1895.99   745.6 2230.57   745.6 2549.97  744.41 3407.82  720.46
 3476.42  716.86  3563.6   714.4 3574.41  714.27 3767.05  717.61 3938.91   715.6
  4075.5  713.48 4222.15  709.46 4580.64  700.79 5017.54  693.47 5342.69  691.88
  5482.6  690.45 5634.85  685.23 5700.35  680.47 6047.33   678.6 6381.61  679.94
 6516.46   681.2 6727.12   672.4 6886.45     668  6954.6   663.6 7001.52   663.6
 7145.48  666.67 7353.71  676.71    7414  675.66 7537.92  675.26 7885.78  666.18
 7931.63  667.52 8079.63  668.23 8360.22  650.45  8373.7  648.94 8539.02  639.93
 8671.79  639.23 8915.21  646.75  9082.5  645.86 9257.76  636.14    9436  632.84
 9574.08  619.82 9590.57   619.6 9676.43   610.8 9837.53   597.6 9892.41   597.6
 9932.64  601.6110054.01  630.5210157.07   640.810528.37  637.0610679.81  629.93
10733.26  623.7910937.04  621.7411178.67   630.5 11466.2   627.6 12074.3   623.2
13474.76   623.213705.26   617.614297.79   617.614753.64     62214811.17   626.4
15092.71  623.2315099.39  617.5515201.53  615.9515832.64  595.5716369.92   588.8
16435.09  583.4416664.58  580.0416723.79  574.7716816.96  567.7217258.76  567.72
17356.13  572.3717449.48   588.817537.24  609.2217556.04  611.6517791.92  633.95
18227.35  639.6218658.05  641.6520747.42     63820861.44     63821088.53  638.64
21434.79  634.0322410.78   636.822665.45   641.224323.48   645.624701.83  647.69
25120.53  651.8325764.13  663.4325985.75   664.427088.44   664.427717.04   658.8
27987.98   658.828555.93   654.428791.11  651.8428960.85  650.8929099.37  647.22
29246.42     64829537.32  653.9329855.64  656.6930942.11  677.2231599.33  679.47
32557.03  721.96 32698.2  722.4433308.69  690.9333343.03  691.0534919.79  741.26
35952.06  740.0936147.43  742.33 36495.6  759.1136536.62  759.7736839.95  759.03
37168.09  769.8937324.52   772.438090.66     79038779.19  792.92 39126.4     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516369.92     .1517449.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16369.9217449.48                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503856.00   200681.70   1750993.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1503856.00   200681.70   1750993.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2940570.00   592706.00   3196724.00
  Top Width (ft)          35532.18    Top Width (ft)          15037.06    1079.56   19415.57
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.96       2.95       1.83
  Max Chl Dpth (ft)         192.14    Hydr. Depth (ft)          100.01     185.89      90.19
  Conv. Total (cfs)       734199400.0    Conv. (cfs)            320797100.0   64660380.0   348741900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15049.63    1081.85   19422.75
  Min Ch El (ft)            567.72    Shear (lb/sq ft)            0.52       0.97       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.02       2.87       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    114298.40   20127.58   137141.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1030.62      96.82    1232.43


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275600.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  188.58  792.55  613.55  776.89 1292.61  761.55 1463.49  754.39
 1736.39  747.22 1896.43  745.59 2231.09  745.59 2550.56  744.39 3408.61  720.48
 3477.23  716.88 3564.43  714.41 3575.24  714.28 3767.93  717.61 3939.82  715.59
 4076.44  713.46 4223.13  709.44  4581.7  700.78  5018.7  693.45 5343.93  691.86
 5483.87  690.43 5636.16   685.2 5701.67  680.44 6048.73  678.57 6383.09  679.91
 6517.97  681.18 6728.68  672.36 6888.04  667.95 6956.22  663.54 7003.14  663.54
 7147.14  666.62 7355.42  676.66 7415.71  675.62 7539.66  675.23 7887.61  666.18
 7933.47  667.54  8081.5  668.28 8362.16  650.54 8375.64  649.02    8541     640
  8673.8   639.3 8917.27  646.84  9084.6  645.96  9259.9  636.22 9438.19  632.92
  9576.3  619.91  9592.8  619.69 9678.68  610.87 9839.81  597.64  9894.7  597.64
 9934.94  601.6610056.34  630.5710159.42  640.8710530.81  637.1210682.29     630
10735.75  623.8710939.57  621.8111181.26  630.5511468.86  627.64 12077.1  623.23
13477.88  623.2313708.43  617.64 14301.1  617.6414757.06  622.0514814.61  626.46
 15096.2  623.2815102.89  617.6115205.05  616.01 15836.3  595.5916373.71  588.82
16439.03  583.4516668.99  580.0616728.33  574.7816821.69  567.7117263.74  567.71
17361.28  572.36 17454.8  588.8217542.54  609.2217561.34  611.65 17797.2  633.91
18232.58  639.5818663.23  641.6120752.38  637.9520866.38  637.9521093.45   638.6
21439.67  633.9922415.55  636.77 22670.2  641.1824328.04  645.5924706.35  647.68
   25125  651.8225768.54  663.4525990.13  664.4127092.69  664.4127721.23  658.82
27992.14  658.8228560.03  654.4128795.18  651.85 28964.9  650.8929103.41  647.21
29250.44  647.9829541.31  653.92 29859.6  656.6830945.95  677.19 31603.1  679.45
32560.69  721.8732701.84  722.3633312.26  690.91 33346.6  691.0334923.19  741.17
35955.35  740.02 36150.7  742.2736498.82  759.0436539.84   759.736843.14  758.98
37171.23  769.8537327.65  772.3638093.71     79038782.16  792.9339129.34     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516373.71     .15 17454.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16373.71 17454.8                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503898.00   200961.00   1751355.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1503898.00   200961.00   1751355.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2939506.00   593375.40   3197119.00
  Top Width (ft)          35536.77    Top Width (ft)          15040.77    1081.09   19414.91
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.95       2.95       1.83
  Max Chl Dpth (ft)         192.15    Hydr. Depth (ft)           99.99     185.89      90.21
  Conv. Total (cfs)       734378900.0    Conv. (cfs)            320759500.0   64749230.0   348870200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15053.34    1083.39   19422.08
  Min Ch El (ft)            567.71    Shear (lb/sq ft)            0.52       0.97       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.02       2.87       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    114125.80   20104.53   136940.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1028.89      96.70    1230.20


CROSS SECTION
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RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275597.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  188.62  792.55  613.69  776.88 1292.91  761.55 1463.83  754.38
 1736.79  747.21 1896.86  745.58 2231.61  745.58 2551.15  744.38  3409.4  720.49
 3478.03  716.89 3565.26  714.42 3576.07  714.29  3768.8   717.6 3940.73  715.58
 4077.39  713.45 4224.11  709.42 4582.76  700.76 5019.87  693.44 5345.17  691.85
 5485.15  690.41 5637.46  685.17 5702.99   680.4 6050.13  678.54 6384.56  679.89
 6519.48  681.16 6730.24  672.32 6889.64   667.9 6957.83  663.48 7004.76  663.48
  7148.8  666.57 7357.12  676.61 7417.43  675.57 7541.41  675.21 7889.43  666.19
 7935.31  667.56 8083.37  668.34 8364.09  650.63 8377.58  649.11 8542.98  640.07
 8675.81  639.37 8919.34  646.94 9086.71  646.06 9262.05   636.3 9440.38  632.99
 9578.52     620 9595.02  619.78 9680.92  610.94 9842.09  597.68 9896.99  597.68
 9937.24 601.7110058.67  630.6110161.78  640.9410533.25  637.1810684.76  630.07
10738.23  623.94 10942.1  621.8811183.85  630.5911471.52  627.6812079.89  623.26
   13481  623.2613711.61  617.6814304.42  617.6814760.48   622.114818.04  626.52
 15099.7  623.3315106.39  617.6815208.57  616.0715839.97  595.6216377.51  588.84
16442.96  583.4616673.41  580.0816732.86  574.7916826.43  567.7117268.72  567.71
17366.43  572.3617460.11  588.8417547.85  609.2217566.65  611.6517802.48  633.87
18237.81  639.5518668.41  641.5620757.33   637.920871.32   637.921098.37  638.55
21444.55  633.9622420.32  636.7422674.94  641.1624332.61  645.5824710.87  647.68
25129.48  651.8225772.94  663.4625994.51  664.4227096.95  664.4227725.42  658.84
 27996.3  658.8428564.12  654.4228799.25  651.8528968.95  650.8929107.45   647.2
29254.46  647.97 29545.3  653.9129863.55  656.6830949.78  677.1631606.86  679.42
32564.34  721.7832705.49  722.2733315.84  690.8933350.17  691.0134926.59  741.08
35958.63  739.9536153.96  742.2136502.05  758.9736543.05  759.6336846.32  758.94
37174.38   769.837330.79  772.3238096.76     79038785.13  792.9439132.27     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516377.51     .1517460.11     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16377.5117460.11                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503931.00   201230.20   1751721.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1503931.00   201230.20   1751721.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2938439.00   594004.20   3197557.00
  Top Width (ft)          35540.91    Top Width (ft)          15044.31    1082.60   19414.00
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.95       2.95       1.83
  Max Chl Dpth (ft)         192.15    Hydr. Depth (ft)           99.97     185.88      90.23
  Conv. Total (cfs)       734557400.0    Conv. (cfs)             320721000.0   64833600.0   349002800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15056.87    1084.90   19421.15
  Min Ch El (ft)            567.71    Shear (lb/sq ft)            0.52       0.97       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.02       2.87       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    113953.20   20081.45   136739.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1027.17      96.57    1227.97


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275594.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  188.67  792.55  613.83  776.87 1293.21  761.55 1464.17  754.38
 1737.19  747.21  1897.3  745.57 2232.12  745.57 2551.74  744.37 3410.19  720.51
 3478.84  716.91 3566.08  714.43  3576.9   714.3 3769.67   717.6 3941.64  715.57
 4078.33  713.43 4225.09  709.41 4583.82  700.74 5021.03  693.42  5346.4  691.83
 5486.42  690.39 5638.77  685.14 5704.31  680.36 6051.53   678.5 6386.04  679.87
 6520.99  681.14  6731.8  672.28 6891.24  667.85 6959.44  663.42 7006.38  663.42
 7150.45  666.51 7358.83  676.56 7419.15  675.53 7543.16  675.18 7891.26   666.2
 7937.15  667.57 8085.24   668.4 8366.03  650.72 8379.52   649.2 8544.95  640.14
 8677.82  639.45  8921.4  647.03 9088.81  646.15 9264.19  636.37 9442.56  633.07
 9580.74  620.09 9597.24  619.87 9683.16  611.01 9844.37  597.72 9899.29  597.72
 9939.54  601.76   10061  630.6610164.13  641.0110535.69  637.2410687.23  630.13
10740.72  624.0210944.64  621.9511186.44  630.6411474.17  627.7212082.69  623.29
13484.12  623.2913714.78  617.7214307.73  617.72 14763.9  622.1514821.47  626.58
 15103.2  623.3815109.88  617.7415212.09  616.1315843.64  595.65 16381.3  588.86
16446.88  583.4716677.82   580.1 16737.4   574.816831.16  567.71 17273.7  567.71
17371.58  572.3517465.43  588.8617553.16  609.2217571.95  611.6417807.76  633.84
18243.04  639.51 18673.6  641.5220762.29  637.8520876.27  637.8521103.28   638.5
21449.43  633.92 22425.1  636.7122679.68  641.1424337.17  645.5724715.39  647.67
25133.95  651.8225777.34  663.4725998.89  664.4327101.21  664.4327729.61  658.86
28000.46  658.8628568.22  654.4328803.32  651.86   28973  650.8929111.48  647.18
29258.48  647.9529549.29   653.9 29867.5  656.6730953.62  677.1331610.62   679.4
   32568   721.732709.13  722.1833319.41  690.8733353.74  690.9934929.98     741
35961.91  739.8836157.22  742.1436505.27   758.936546.27  759.5636849.51  758.89
37177.54  769.7637333.92  772.2838099.81     79038788.11  792.94 39135.2     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 16381.3     .1517465.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       16381.317465.43                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503962.00   201504.10   1752072.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1503962.00   201504.10   1752072.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2937400.00   594653.10   3197947.00
  Top Width (ft)          35545.25    Top Width (ft)          15047.78    1084.13   19413.34
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.95       2.95       1.83
  Max Chl Dpth (ft)         192.15    Hydr. Depth (ft)           99.95     185.87      90.25
  Conv. Total (cfs)       734729700.0    Conv. (cfs)             320682800.0   64919650.0   349127300.0
```

```
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15060.34    1086.43   19420.47
  Min Ch El (ft)            567.71    Shear (lb/sq ft)            0.52       0.97       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.02       2.87       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    113780.50   20058.34   136537.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1025.44      96.45    1225.75


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275591.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  188.71  792.54  613.98  776.86 1293.51  761.54 1464.51  754.37
 1737.59   747.2 1897.74  745.56 2232.64  745.56 2552.33  744.36 3410.98  720.53
 3479.64  716.92 3566.91  714.44 3577.73  714.31 3770.54  717.59 3942.56  715.56
 4079.28  713.42 4226.07  709.39 4584.88  700.72 5022.19  693.41 5347.64  691.81
 5487.69  690.37 5640.07  685.12 5705.63  680.33 6052.93  678.47 6387.52  679.84
  6522.5  681.12 6733.36  672.24 6892.83   667.8 6961.05  663.36 7008.01  663.36
 7152.11  666.46 7360.53   676.5 7420.87  675.48  7544.9  675.15 7893.09   666.2
 7938.98  667.59 8087.12  668.45 8367.97  650.81 8381.46  649.29 8546.93  640.21
 8679.83  639.52 8923.47  647.13 9090.92  646.25 9266.34  636.45 9444.75  633.14
 9582.96  620.18 9599.46  619.96  9685.4  611.08 9846.65  597.76 9901.58  597.76
 9941.84  601.8110063.33  630.7110166.48  641.0810538.13   637.310689.71   630.2
10743.21   624.110947.17  622.0211189.03  630.6911476.83  627.7612085.49  623.32
13487.25  623.3213717.96  617.7614311.04  617.7614767.31   622.2 14824.9  626.64
 15106.7  623.4415113.38   617.815215.61  616.1915847.31  595.6716385.09  588.88
16450.81  583.4816682.23  580.1216741.94  574.81 16835.9  567.7117278.68  567.71
17376.73  572.3517470.75  588.8817558.47  609.2217577.26  611.6417813.04   633.8
18248.27  639.4818678.78  641.4820767.24   637.820881.21   637.8 21108.2  638.45
21454.31  633.8822429.87  636.6822684.43  641.1224341.73  645.5624719.91  647.67
25138.43  651.8125781.75  663.4826003.27  664.4427105.47  664.44 27733.8  658.88
28004.62  658.8828572.32  654.4428807.39  651.8628977.06  650.8929115.52  647.17
 29262.5  647.9429553.28   653.929871.46  656.6630957.45   677.131614.38  679.38
32571.66  721.6132712.77   722.133322.98  690.8533357.31  690.9734933.38  740.91
 35965.2   739.836160.48  742.08 36508.5  758.83 36549.5   759.5 36852.7  758.84
37180.68  769.7137337.05  772.2438102.86     79038791.08  792.9539138.14     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516385.09    .1517470.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16385.0917470.75                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503998.00   201777.10   1752434.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1503998.00   201777.10   1752434.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2936339.00   595295.80   3198366.00
  Top Width (ft)          35549.84    Top Width (ft)          15051.49    1085.66   19412.69
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.95       2.95       1.83
  Max Ch Dpth (ft)          192.15    Hydr. Depth (ft)           99.92     185.86      90.27
  Conv. Total (cfs)       734903400.0    Conv. (cfs)            320642700.0   65005180.0   349255500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15064.05    1087.96   19419.81
  Min Ch El (ft)            567.71    Shear (lb/sq ft)            0.52       0.97       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.02       2.86       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    113607.90   20035.19   136336.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1023.71      96.33    1223.52


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275588.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  188.75  792.54  614.12  776.84 1293.81  761.54 1464.84  754.36
    1738   747.2 1898.18  745.55 2233.16  745.55 2552.92  744.34 3411.77  720.54
 3480.45  716.94 3567.73  714.45 3578.55  714.32 3771.42  717.59 3943.47  715.55
 4080.22   713.4 4227.05  709.37 4585.95   700.7 5023.35  693.39 5348.88  691.79
 5488.96  690.35 5641.38  685.09 5706.95  680.29 6054.33  678.44    6389  679.82
 6524.01   681.1 6734.92   672.2 6894.43  667.75 6962.66   663.3 7009.63   663.3
 7153.76  666.41 7362.23  676.45 7422.59  675.43 7546.65  675.12 7894.92  666.21
 7940.82  667.61 8088.99  668.51 8369.91   650.9  8383.4  649.38 8548.91  640.29
 8681.84  639.59 8925.54  647.22 9093.02  646.35 9268.48  636.53 9446.94  633.22
 9585.17  620.27 9601.69  620.05 9687.64  611.15 9848.93   597.8 9903.87   597.8
 9944.14  601.8610065.66  630.7510168.84  641.1510540.57  637.3610692.18  630.27
 10745.7  624.1710949.71   622.111191.62  630.7311479.49   627.812088.29  623.35
13490.37  623.3513721.13   617.814314.35   617.814770.73  622.2514828.33   626.7
15110.19  623.4915116.88  617.8615219.14  616.2515850.98   595.716388.88   588.9
16454.75   583.516686.65  580.1316746.48  574.8216840.63  567.7117283.65  567.71
17381.88  572.3417476.06   588.917563.77  609.2117582.56  611.6417818.32  633.76
18253.51  639.4418683.97  641.44 20772.2  637.7520886.15  637.7521113.12   638.4
21459.19  633.8522434.64  636.6522689.17   641.124346.29  645.5524724.43  647.66
 25142.9  651.8125786.15  663.4926007.64  664.4527109.72  664.4527737.99   658.9
28008.78   658.928576.41  654.4528811.46  651.8728981.11  650.8829119.56  647.16
29266.53  647.9229557.27  653.8929875.41  656.6530961.28  677.0731618.14  679.35
32575.31  721.5232716.41  722.0133326.56  690.8333360.88  690.9534936.78  740.82
35968.48  739.7336163.75  742.0236511.72  758.7636552.71  759.4336855.88  758.79
37183.84  769.6637340.18   772.238105.91     79038794.05  792.9639141.07     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516388.88    .1517476.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16388.8817476.06                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
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  W.S. Elev (ft)            759.86    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504037.00   202048.90   1752805.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1504037.00   202048.90   1752805.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2935287.00   595931.20   3198783.00
  Top Width (ft)          35554.25    Top Width (ft)          15055.02    1087.18   19412.06
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)           1.95       2.95       1.82
  Max Chl Dpth (ft)         192.15    Hydr. Depth (ft)          99.90     185.85      90.29
  Conv. Total (cfs)       735083600.0    Conv. (cfs)            320606400.0   65090530.0   349386700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15067.58    1089.48   19419.16
  Min Ch El (ft)            567.71    Shear (lb/sq ft)           0.52       0.97       0.47
  Alpha                       1.06    Stream Power (lb/ft s)     1.02       2.86       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    113435.30   20012.02   136135.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1021.98      96.20    1221.29


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275585.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   188.8  792.53  614.26  776.83 1294.11  761.54 1465.18  754.35
  1738.4  747.19 1898.62  745.54 2233.67  745.54 2553.52  744.33 3412.56  720.56
 3481.26  716.96 3568.56  714.46 3579.38  714.33 3772.29  717.58 3944.38  715.54
 4081.16  713.39 4228.02  709.36 4587.01  700.68 5024.52  693.38 5350.12  691.77
 5490.23  690.33 5642.68  685.06 5708.28  680.25 6055.74   678.4 6390.48   679.8
 6525.52  681.08 6736.47  672.16 6896.02   667.7 6964.27  663.24 7011.25  663.24
 7155.42  666.35 7363.94   676.4  7424.3  675.39  7548.4   675.1 7896.74  666.22
 7942.66  667.62 8090.86  668.57 8371.84  650.98 8385.34  649.47 8550.89  640.36
 8683.85  639.67  8927.6  647.32 9095.13  646.44 9270.63  636.61 9449.12  633.29
 9587.39  620.36 9603.91  620.14 9689.89  611.22 9851.21  597.84 9906.16  597.84
 9946.45  601.9110067.99   630.810171.19  641.2210543.01  637.4310694.66  630.34
10748.18  624.2510952.24  622.1711194.21  630.7811482.14  627.8412091.08  623.38
13493.49  623.3813724.31  617.8414317.67  617.8414774.15   622.314831.77  626.76
15113.69  623.5415120.38  617.9315222.66  616.3115854.65  595.7216392.68  588.92
16458.68  583.5116691.06  580.1516751.02  574.8316845.36  567.7117288.63  567.71
17387.04  572.3417481.38  588.9217569.08  609.2117587.87  611.64 17823.6  633.73
18258.74  639.4118689.15   641.420777.15   637.720891.09   637.721118.04  638.35
21464.06  633.8122439.41  636.6222693.91  641.0824350.85  645.5424728.95  647.66
25147.37  651.8125790.55   663.526012.03  664.4627113.98  664.4627742.18  658.92
28012.94  658.9228580.51  654.4628815.54  651.8728985.16  650.8829123.59  647.14
29270.54  647.9129561.26  653.8829879.36  656.6530965.12  677.0431621.91  679.33
32578.97  721.4432720.05  721.9333330.13  690.8133364.45  690.9334940.17  740.73
35971.77  739.6636167.01  741.9536514.95  758.6936555.93  759.3636859.07  758.75
37186.98  769.6237343.32  772.1638108.96     79038797.03  792.9639144.01     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516392.68     .1517481.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16392.6817481.38                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504068.00   202320.30   1753147.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1504068.00   202320.30   1753147.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2934248.00   596571.20   3199181.00
  Top Width (ft)          35558.37    Top Width (ft)          15058.55    1088.70   19411.12
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)           1.95       2.95       1.82
  Max Chl Dpth (ft)         192.15    Hydr. Depth (ft)          99.88     185.84      90.32
  Conv. Total (cfs)       735255000.0    Conv. (cfs)            320567700.0   65175620.0   349511600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15071.11    1091.01   19418.21
  Min Ch El (ft)            567.71    Shear (lb/sq ft)           0.52       0.97       0.47
  Alpha                       1.06    Stream Power (lb/ft s)     1.02       2.86       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    113262.60   19988.81   135934.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1020.26      96.08    1219.06


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275582.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   188.84  792.53   614.4  776.82 1294.41  761.54 1465.52  754.35
  1738.8  747.18 1899.06  745.53 2234.19  745.53 2554.11  744.32 3413.35  720.58
 3482.06  716.97 3569.38  714.47 3580.21  714.34 3773.16  717.58  3945.3  715.53
 4082.11  713.37    4229  709.34 4588.07  700.66 5025.68  693.36 5351.35  691.75
  5491.5  690.32 5643.99  685.03  5709.6  680.22 6057.14  678.37 6391.96  679.78
 6527.03  681.06 6738.03  672.12 6897.62  667.65 6965.88  663.18 7012.87  663.18
 7157.07   666.3 7365.64  676.34 7426.02  675.34 7550.14  675.07 7898.57  666.23
  7944.5  667.64 8092.73  668.62 8373.78  651.07 8387.28  649.56 8552.87  640.43
 8685.86  639.74 8929.67  647.41 9097.23  646.54 9272.77  636.69 9451.31  633.37
 9589.61  620.45 9606.13  620.23 9692.13  611.29 9853.49  597.88 9908.46  597.88
 9948.75  601.9610070.32  630.8510173.54  641.2910545.45  637.4910697.13  630.41
10750.67  624.3310954.77  622.24 11196.8  630.83 11484.8  627.8812093.88  623.41
13496.61  623.4113727.49  617.8814320.98  617.8814777.57  622.35 14835.2  626.82
15117.19   623.615123.88  617.9915226.18  616.3815858.32  595.7516396.47  588.94
16462.61  583.5216695.47  580.1716755.55  574.83 16850.1  567.7117293.61  567.71
17392.19  572.34 17486.7  588.9417574.39  609.2117593.17  611.6317828.88  633.69
18263.97  639.3718694.34  641.3620782.11  637.6520896.03  637.6521122.95  638.31
21468.94  633.7722444.18  636.5922698.66  641.0624355.41  645.5324733.47  647.65
25151.85   651.825794.96  663.52 26016.4  664.4727118.24  664.4727746.37  658.94
28017.09  658.9428584.61  654.4728819.61  651.8728989.21  650.8829127.63  647.13
29274.57   647.929565.24  653.8829883.32  656.6430968.95  677.0131625.67   679.3
32582.63  721.3532723.69  721.8433333.71  690.7933368.02  690.9134943.57  740.64
35975.05  739.5936170.27  741.8936518.17  758.6236559.15  759.2936862.25   758.7
37190.14  769.5737346.45  772.1238112.01     790   38800  792.9739146.95     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516396.47     .15 17486.7     .15
```

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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16396.47 17486.7                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504091.00   202593.50   1753519.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1504091.00   202593.50   1753519.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2933169.00   597213.30   3199618.00
  Top Width (ft)          35562.73    Top Width (ft)          15062.02    1090.23   19410.47
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.95       2.95       1.82
  Max Chl Dpth (ft)         192.15    Hydr. Depth (ft)           99.86     185.83      90.34
  Conv. Total (cfs)       735430800.0    Conv. (cfs)            320526400.0   65261370.0   349643000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15074.59    1092.53   19417.55
  Min Ch El (ft)            567.71    Shear (lb/sq ft)            0.52       0.97       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.02       2.86       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    113090.00   19965.57   135733.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1018.53      95.95    1216.83


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275579.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  188.89  792.52  614.54  776.81 1294.71  761.53 1465.86  754.34
  1739.2  747.18  1899.5  745.52 2234.71  745.52  2554.7   744.3 3414.14   720.6
 3482.87  716.99 3570.21  714.48 3581.04  714.35 3774.04  717.57 3946.21  715.52
 4083.05  713.36 4229.98  709.32 4589.13  700.64 5026.84  693.35 5352.59  691.73
 5492.77   690.3 5645.29  685.01 5710.92  680.18 6058.54  678.34 6393.44  679.75
 6528.54  681.04 6739.59  672.08 6899.21   667.6  6967.5  663.12  7014.5  663.12
 7158.73  666.25 7367.35  676.29 7427.74   675.3 7551.89  675.04  7900.4  666.23
 7946.34  667.66  8094.6  668.68 8375.72  651.16 8389.22  649.64 8554.85   640.5
 8687.87  639.81 8931.73  647.51 9099.33  646.64 9274.92  636.77  9453.5  633.44
 9591.83  620.54 9608.35  620.32 9694.37  611.36 9855.77  597.92 9910.75  597.92
 9951.05  602.0110072.65  630.89 10175.9  641.3610547.89  637.5510699.61  630.47
10753.16   624.410957.31  622.3111199.39  630.8711487.46  627.9212096.68  623.44
13499.73  623.4413730.66  617.9214324.29  617.9214780.99   622.414838.63  626.88
15120.68  623.6515127.38  618.05 15229.7  616.4415861.98  595.7716400.26  588.96
16466.54  583.5316699.89  580.1916760.09  574.8416854.83  567.7117298.59  567.71
17397.34  572.3317492.02  588.96 17579.7  609.2117598.48  611.6317834.16  633.65
 18269.2  639.3418699.52  641.3120787.06   637.620900.98   637.621127.87  638.26
21473.82  633.7422448.96  636.56 22703.4  641.0424359.97  645.5224737.99  647.65
25156.32   651.825799.36  663.5326020.78  664.48 27122.5  664.4827750.55  658.96
28021.25  658.96 28588.7  654.4828823.68  651.8828993.27  650.8829131.67  647.12
29278.59  647.8829569.23  653.8729887.27  656.6330972.79  676.9931629.43  679.28
32586.29  721.2632727.33  721.7633337.28  690.7733371.59  690.8934946.97  740.56
35978.33  739.5236173.53  741.8336521.39  758.5536562.37  759.2236865.44  758.65
37193.29  769.5337349.58  772.0838115.05     79038802.97  792.9839149.88     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516400.26     .1517492.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16400.2617492.02                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504136.00   202867.40   1753858.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1504136.00   202867.40   1753858.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2932155.00   597861.80   3199984.00
  Top Width (ft)          35567.29    Top Width (ft)          15065.73    1091.76   19409.80
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.95       2.95       1.82
  Max Chl Dpth (ft)         192.15    Hydr. Depth (ft)           99.84     185.82      90.36
  Conv. Total (cfs)       735601000.0    Conv. (cfs)            320489800.0   65347360.0   349763900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15078.29    1094.07   19416.87
  Min Ch El (ft)            567.71    Shear (lb/sq ft)            0.52       0.97       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.02       2.86       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    112917.30   19942.30   135531.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1016.80      95.83    1214.61


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275576.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  188.93  792.52  614.69   776.8 1295.01  761.53  1466.2  754.33
  1739.6  747.17 1899.94  745.51 2235.22  745.51 2555.29  744.29 3414.92  720.61
 3483.67     717 3571.04  714.49 3581.87  714.36 3774.91  717.57 3947.12  715.51
    4084  713.34 4230.96   709.3 4590.19  700.62    5028  693.34 5353.83  691.72
 5494.04  690.28  5646.6  684.98 5712.24  680.14 6059.94   678.3 6394.92  679.73
 6530.05  681.02 6741.15  672.04 6900.81  667.55 6969.11  663.06 7016.12  663.06
 7160.39  666.19 7369.05  676.24 7429.46  675.25 7553.64  675.02 7902.22  666.24
 7948.17  667.68 8096.48  668.74 8377.65  651.25 8391.16  649.73 8556.83  640.57
 8689.88  639.88  8933.8   647.6 9101.44  646.73 9277.06  636.84 9455.68  633.52
 9594.05  620.63 9610.57  620.41 9696.61  611.43 9858.05  597.96 9913.04  597.96
 9953.35  602.0510074.98  630.9410178.25  641.4310550.33  637.6110702.08  630.54
10755.64  624.4810959.84  622.3811201.98  630.9211490.11  627.9612099.48  623.47
13502.86  623.4713733.84  617.9614327.61  617.9614784.41  622.4514842.06  626.94
15124.18   623.715130.88  618.1115233.23   616.515865.65   595.816404.06  588.98
16470.47  583.54 16704.3   580.216764.63  574.8516859.57  567.7117303.57  567.71
17402.49  572.3317497.33  588.98   17585  609.2117603.79  611.6317839.44  633.62
18274.43   639.3 18704.7  641.2720792.01  637.5520905.92  637.5521132.79  638.21
 21478.7   633.722453.73  636.5322708.15  641.0224364.54  645.5124742.51  647.64
25160.79   651.825803.76  663.5426025.16  664.4927126.76  664.4927754.74  658.98
28025.41  658.98 28592.8  654.4928827.75  651.8828997.32  650.8829135.71  647.11
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29282.61  647.8729573.22  653.8629891.22  656.6230976.62  676.9631633.19  679.26
32589.94  721.1832730.98  721.6733340.86  690.7533375.16  690.8734950.37  740.47
35981.62  739.4536176.79  741.7736524.62  758.4836565.59  759.1536868.62   758.6
37196.44  769.4837352.71  772.0438118.11     79038805.95  792.9839152.82     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516404.06     .1517497.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16404.0617497.33                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504173.00   203138.00   1754217.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1504173.00   203138.00   1754217.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2931117.00   598497.90   3200385.00
  Top Width (ft)          35571.70    Top Width (ft)          15069.27    1093.27   19409.16
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.95       2.95       1.82
  Max Chl Dpth (ft)         192.15    Hydr. Depth (ft)           99.82     185.81      90.38
  Conv. Total (cfs)       735776600.0    Conv. (cfs)            320452800.0   65432500.0   349891300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15081.83    1095.58   19416.21
  Min Ch El (ft)            567.71    Shear (lb/sq ft)            0.52       0.97       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.02       2.85       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    112744.70   19919.00   135330.50
  C & E Loss (ft)             0.00    Cum SA (acres)           1015.07      95.70    1212.38


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275573.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  188.97  792.51  614.83  776.78 1295.31  761.53 1466.54  754.32
 1740.01  747.16 1900.38   745.5 2235.74   745.5 2555.88  744.28 3415.71  720.63
 3484.48  717.02 3571.86   714.5 3582.69  714.37 3775.78  717.56 3948.03   715.5
 4084.94  713.33 4231.94  709.29 4591.25   700.6 5029.17  693.32 5355.07   691.7
 5495.31  690.26 5647.91  684.95 5713.56  680.11 6061.34  678.27 6396.39  679.71
 6531.56     681 6742.71     672  6902.4   667.5 6970.72     663 7017.74     663
 7162.04  666.14 7370.75  676.18 7431.18  675.21 7555.38  674.99 7904.05  666.25
 7950.01  667.69 8098.35  668.79 8379.59  651.34  8393.1  649.82  8558.8  640.64
 8691.88  639.96 8935.86   647.7 9103.54  646.83 9279.21  636.92 9457.87  633.59
 9596.27  620.72  9612.8   620.5 9698.85   611.5 9860.33     598 9915.33     598
 9955.65   602.110077.31  630.99 10180.6   641.510552.77  637.6710704.56  630.61
10758.13  624.5610962.38  622.4611204.57  630.9711492.77     62812102.28   623.5
13505.98   623.513737.01     61814330.92     61814787.83   622.514845.49     627
15127.68  623.7515134.38  618.1815236.75  616.5615869.32  595.8316407.85     589
 16474.4  583.5516708.71  580.2216769.17  574.86 16864.3  567.7117308.55  567.71
17407.64  572.3217502.65     58917590.31  609.2117609.09  611.6217844.72  633.58
18279.66  639.2718709.89  641.2320796.97   637.520910.86   637.5 21137.7  638.16
21483.58  633.67 22458.5   636.522712.89     641 24369.1   645.524747.03  647.64
25165.27  651.7925808.17  663.5526029.54   664.527131.01   664.527758.93     659
28029.57     659 28596.9   654.528831.82  651.8929001.37  650.8829139.74  647.09
29286.63  647.8529577.21  653.8629895.18  656.6230980.46  676.9331636.96  679.23
 32593.6  721.0932734.62  721.5933344.43  690.7333378.73  690.8534953.76  740.38
 35984.9  739.3836180.05   741.736527.84  758.4136568.81  759.0836871.81  758.56
37199.59  769.4437355.85     77238121.15     79038808.92  792.9939155.75     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516407.85     .1517502.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16407.8517502.65                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504195.00   203412.00   1754573.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1504195.00   203412.00   1754573.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2930042.00   599142.80   3200815.00
  Top Width (ft)          35575.80    Top Width (ft)          15072.79    1094.80   19408.21
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.95       2.95       1.82
  Max Chl Dpth (ft)         192.15    Hydr. Depth (ft)           99.80     185.80      90.40
  Conv. Total (cfs)       735950500.0    Conv. (cfs)            320411000.0   65518490.0   350021000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15085.35    1097.11   19415.25
  Min Ch El (ft)            567.71    Shear (lb/sq ft)            0.52       0.97       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.01       2.85       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    112572.00   19895.67   135129.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1013.34      95.57    1210.15


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275571.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  189.02  792.51  614.97  776.77 1295.61  761.53 1466.88  754.31
 1740.41  747.16 1900.82  745.49 2236.26  745.49 2556.47  744.27  3416.5  720.65
 3485.28  717.03 3572.69  714.51 3583.52  714.38 3776.65  717.56 3948.95  715.49
 4085.89  713.32 4232.92  709.27 4592.31  700.58 5030.33  693.31 5356.31  691.68
 5496.58  690.24 5649.21  684.93 5714.88  680.07 6062.74  678.24 6397.87  679.68
 6533.07  680.98 6744.27  671.96    6904  667.45 6972.33  662.94 7019.36  662.94
  7163.7  666.09 7372.46  676.13 7432.89  675.16 7557.13  674.96 7905.88  666.25
 7951.85  667.71 8100.22  668.85 8381.53  651.43 8395.04  649.91 8560.78  640.72
 8693.89  640.03 8937.93  647.79 9105.65  646.93 9281.35     637 9460.05  633.66
 9598.48  620.81 9615.02  620.59  9701.1  611.57  9862.6  598.04 9917.62  598.04
 9957.95  602.1510079.64  631.0310182.96  641.5710555.21  637.7310707.03  630.68
10760.62  624.6410964.91  622.5311207.16  631.0111495.43  628.0412105.07  623.53
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 13509.1  623.5313740.19  618.0414334.23  618.0414791.24  622.5514848.92  627.06
15131.17  623.8115137.87  618.2415240.27  616.6215872.99  595.8516411.64  589.02
16478.33  583.5716713.13  580.2416773.71  574.8716869.03   567.717313.53   567.7
17412.79  572.3217507.97  589.0217595.62   609.217614.39  611.62   17850  633.54
18284.89  639.2318715.07  641.1920801.92  637.45 20915.8  637.4521142.62  638.11
21488.46  633.6322463.27  636.4722717.63  640.9824373.66  645.4924751.55  647.63
25169.74  651.7925812.57  663.5626033.92  664.5127135.27  664.5127763.12  659.02
28033.73  659.0228600.99  654.5128835.89  651.8929005.42  650.8829143.78  647.08
29290.65  647.84 29581.2  653.8529899.13  656.6130984.29   676.931640.72  679.21
32597.26  721.0132738.26   721.5   33348  690.71 33382.3  690.8334957.16  740.29
35988.18   739.336183.32  741.6436531.07  758.3436572.03  759.01   36875  758.51
37202.73  769.3937358.98  771.96 38124.2     79038811.89     79339158.68     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516411.64     .1517507.97     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16411.6417507.97                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504229.00   203688.40   1754940.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1504229.00   203688.40   1754940.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2928980.00   599795.90   3201224.00
  Top Width (ft)          35580.22    Top Width (ft)          15076.32    1096.33   19407.57
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.95       2.94       1.82
  Max Chl Dpth (ft)         192.16    Hydr. Depth (ft)           99.77     185.79      90.43
  Conv. Total (cfs)       736130100.0    Conv. (cfs)             320373000.0   65605910.0   350151200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15088.88    1098.64   19414.59
  Min Ch El (ft)            567.70    Shear (lb/sq ft)            0.52       0.97       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.01       2.85       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    112399.30   19872.30   134927.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1011.61      95.45    1207.92


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275568.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  189.06   792.5  615.11  776.76 1295.91  761.52 1467.22  754.31
 1740.81  747.15 1901.26  745.48 2236.77  745.48 2557.06  744.25 3417.29  720.66
 3486.09  717.05 3573.51  714.52 3584.35  714.39 3777.53  717.55 3949.86  715.48
 4086.83   713.3 4233.89  709.25 4593.38  700.56 5031.49  693.29 5357.54  691.66
 5497.85  690.22 5650.52   684.9  5716.2  680.03 6064.14   678.2 6399.35  679.66
 6534.58  680.96 6745.83  671.92  6905.6   667.4 6973.94  662.88 7020.98  662.88
 7165.35  666.04 7374.16  676.08 7434.61  675.11 7558.88  674.93 7907.71  666.26
 7953.69  667.73 8102.09  668.91 8383.46  651.52 8396.99     650 8562.76  640.79
  8695.9   640.1    8940  647.89 9107.75  647.02  9283.5  637.08 9462.24  633.74
  9600.7   620.9 9617.24  620.68 9703.34  611.64 9864.88  598.08 9919.92  598.08
 9960.25   602.210081.97  631.0810185.31  641.6410557.65  637.7910709.51  630.75
 10763.1  624.7110967.45   622.611209.75  631.0611498.08  628.0812107.87  623.56
13512.22  623.5613743.36  618.0814337.54  618.0814794.66   622.614852.36  627.12
15134.67  623.8615141.37   618.315243.79  616.6815876.66  595.8816415.44  589.04
16482.26  583.5816717.54  580.2616778.24  574.8816873.77   567.717318.51   567.7
17417.95  572.3117513.28  589.0417600.93   609.2 17619.7  611.6217855.28  633.51
18290.12  639.1918720.26  641.1520806.88   637.420920.74   637.421147.54  638.06
21493.34  633.5922468.04  636.4422722.38  640.9624378.22  645.4824756.07  647.63
25174.22  651.7925816.97  663.57 26038.3  664.5227139.53  664.5227767.31  659.04
28037.89  659.0428605.09  654.5228839.96  651.8929009.47  650.8729147.81  647.07
29294.67  647.8229585.19  653.8429903.09   656.630988.12  676.8731644.48  679.18
32600.91  720.92 32741.9  721.4233351.58  690.6933385.88  690.8134960.56   740.2
35991.47  739.2336186.58  741.5836534.29  758.2736575.25  758.9536878.18  758.46
37205.89  769.3437362.11  771.9238127.25     79038814.86     79339161.62     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516415.44     .1517513.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16415.4417513.28                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504274.00   203958.60   1755307.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1504274.00   203958.60   1755307.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2927940.00   600425.60   3201634.00
  Top Width (ft)          35584.76    Top Width (ft)          15079.98    1097.84   19406.94
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.95       2.94       1.82
  Max Chl Dpth (ft)         192.16    Hydr. Depth (ft)           99.75     185.78      90.45
  Conv. Total (cfs)       736308900.0    Conv. (cfs)             320337000.0   65690740.0   350281100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15092.54    1100.16   19413.94
  Min Ch El (ft)            567.70    Shear (lb/sq ft)            0.52       0.97       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.01       2.85       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    112226.70   19848.91   134726.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1009.88      95.32    1205.69


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275565.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   189.1   792.5  615.26  776.75 1296.21  761.52 1467.56   754.3
 1741.21  747.14  1901.7  745.47 2237.29  745.47 2557.65  744.24 3418.08  720.68
 3486.89  717.07 3574.34  714.53 3585.18   714.4  3778.4  717.54 3950.77  715.47
 4087.77  713.29 4234.87  709.24 4594.44  700.54 5032.65  693.28 5358.78  691.64
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 5499.12   690.2 5651.82  684.87 5717.52     680 6065.54  678.17 6400.83  679.64
 6536.09  680.94 6747.39  671.88 6907.19  667.35 6975.55  662.82 7022.61  662.82
 7167.01  665.98 7375.86  676.03 7436.33  675.07 7560.62  674.91 7909.53  666.27
 7955.52  667.74 8103.96  668.96  8385.4   651.6 8398.92  650.09 8564.74  640.86
 8697.91  640.18 8942.06  647.98 9109.86  647.12 9285.64  637.16 9464.43  633.81
 9602.92  620.99 9619.46  620.77 9705.58  611.71 9867.16  598.12 9922.21  598.12
 9962.55  602.2510084.29  631.1310187.66  641.7110560.08  637.8610711.98  630.81
10765.59  624.7910969.98  622.6711212.34   631.111500.74  628.1212110.67  623.59
13515.34  623.5913746.54  618.1214340.86  618.1214798.08  622.6514855.79  627.18
15138.17  623.9115144.87  618.3715247.31  616.7415880.33   595.916419.23  589.06
16486.19  583.5916721.95  580.2816782.78  574.89 16878.5   567.717323.49   567.7
 17423.1  572.31 17518.6  589.0617606.23   609.217625.01  611.6217860.55  633.47
18295.36  639.1618725.44  641.1120811.83  637.3520925.69  637.3521152.45  638.01
21498.22  633.5622472.81  636.4122727.12  640.9424382.78  645.4724760.59  647.62
25178.69  651.7825821.38  663.5926042.68  664.5327143.79  664.53 27771.5  659.06
28042.05  659.0628609.19  654.5328844.03   651.929013.53  650.8729151.85  647.05
29298.69  647.8129589.18  653.8329907.04  656.5930991.96  676.8431648.24  679.16
32604.57  720.8332745.54  721.3333355.15  690.6733389.45  690.7934963.95  740.12
35994.75  739.1636189.84  741.5136537.51   758.236578.47  758.8836881.37  758.41
37209.04   769.337365.25  771.88 38130.3     79038817.84  793.0139164.55     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516419.23     .15 17518.6     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16419.23 17518.6                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504303.00   204231.10   1755653.00
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            1504303.00   204231.10   1755653.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2926908.00   601067.50   3202025.00
  Top Width (ft)          35589.13    Top Width (ft)          15083.51    1099.37   19406.25
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.95       2.94       1.82
  Max Chl Dpth (ft)         192.16    Hydr. Depth (ft)           99.73     185.77      90.47
  Conv. Total (cfs)       736478200.0    Conv. (cfs)            320297700.0   65776090.0   350404400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15096.06    1101.69   19413.24
  Min Ch El (ft)            567.70    Shear (lb/sq ft)            0.52       0.97       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.01       2.84       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    112054.00   19825.48   134524.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1008.15      95.20    1203.47


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275562.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  189.15   792.5   615.4  776.73 1296.51  761.52  1467.9  754.29
 1741.62  747.14 1902.14  745.46 2237.81  745.46 2558.24  744.23 3418.87   720.7
  3487.7  717.08 3575.16  714.54 3586.01  714.41 3779.27  717.54 3951.68  715.46
 4088.72  713.27 4235.85  709.22  4595.5  700.52 5033.82  693.26 5360.02  691.62
 5500.39  690.18 5653.13  684.84 5718.84  679.96 6066.95  678.14 6402.31  679.61
  6537.6  680.92 6748.94  671.84 6908.79   667.3 6977.16  662.76 7024.23  662.76
 7168.66  665.93 7377.57  675.97 7438.05  675.02 7562.37  674.88 7911.36  666.27
 7957.36  667.76 8105.84  669.02 8387.34  651.69 8400.87  650.18 8566.72  640.93
 8699.92  640.25 8944.13  648.08 9111.96  647.22 9287.79  637.24 9466.61  633.89
 9605.14  621.08 9621.69  620.86 9707.82  611.78 9869.44  598.16  9924.5  598.16
 9964.86   602.310086.62  631.1710190.02  641.7810562.52  637.9210714.46  630.88
10768.08  624.8710972.51  622.7511214.93  631.15 11503.4  628.1612113.47  623.62
13518.47  623.6213749.71  618.1614344.17  618.16 14801.5   622.714859.22  627.24
15141.67  623.9715148.37  618.4315250.84   616.8   15884  595.9316423.02  589.08
16490.12   583.616726.37  580.2916787.32   574.916883.24   567.717328.47   567.7
17428.25  572.3117523.92  589.0817611.54   609.217630.31  611.6117865.83  633.44
18300.59  639.1218730.62  641.0620816.79   637.320930.63   637.321157.37  637.97
 21503.1  633.5222477.59  636.3822731.87  640.9224387.34  645.4624765.11  647.62
25183.17  651.7825825.78   663.626047.06  664.5427148.04  664.5427775.69  659.08
28046.21  659.0828613.28  654.54 28848.1   651.929017.58  650.8729155.89  647.04
29302.71   647.829593.16  653.8329910.99  656.5930995.79  676.81   31652  679.14
32608.23  720.7532749.18  721.2533358.73  690.6533393.02  690.7734967.35  740.03
35998.04  739.0936193.11  741.4536540.74  758.1336581.69  758.8136884.56  758.37
37212.19  769.2537368.38  771.8438133.35     79038820.81  793.0239167.49     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516423.02     .1517523.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16423.0217523.92                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504331.00   204505.40   1756002.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1504331.00   204505.40   1756002.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2925852.00   601714.00   3202435.00
  Top Width (ft)          35593.28    Top Width (ft)          15087.03    1100.90   19405.35
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.94       2.84       1.82
  Max Chl Dpth (ft)         192.15    Hydr. Depth (ft)           99.71     185.76      90.49
  Conv. Total (cfs)       736651500.0    Conv. (cfs)            320257500.0   65862340.0   350531700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15099.59    1103.22   19412.32
  Min Ch El (ft)            567.70    Shear (lb/sq ft)            0.52       0.97       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.01       2.84       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    111881.30   19802.02   134323.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1006.42      95.07    1201.24


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275559.*
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INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  189.19  792.49  615.54  776.72 1296.81  761.51 1468.23  754.28
 1742.02  747.13 1902.58  745.45 2238.32  745.45 2558.83  744.22 3419.66  720.71
 3488.51   717.1 3575.99  714.55 3586.84  714.42 3780.15  717.53  3952.6  715.45
 4089.66  713.26 4236.83   709.2 4596.56  700.51 5034.98  693.25 5361.26  691.61
 5501.66  690.17 5654.43  684.82 5720.16  679.92 6068.35   678.1 6403.79  679.59
 6539.11   680.9  6750.5   671.8 6910.38  667.25 6978.78   662.7 7025.85   662.7
 7170.32  665.88 7379.27  675.92 7439.76  674.98 7564.12  674.85 7913.19  666.28
  7959.2  667.78 8107.71  669.08 8389.28  651.78 8402.81  650.26  8568.7     641
 8701.93  640.32 8946.19  648.17 9114.07  647.31 9289.94  637.31  9468.8  633.96
 9607.36  621.18 9623.91  620.95 9710.06  611.85 9871.72   598.2 9926.79   598.2
 9967.16  602.3510088.95  631.2210192.37  641.8510564.96  637.9810716.93  630.95
10770.56  624.9410975.05  622.8211217.52   631.211506.05   628.212116.26  623.65
13521.59  623.6513752.89   618.214347.48   618.214804.92  622.7514862.65   627.3
15145.16  624.0215151.87  618.4915254.36  616.8615887.66  595.9516426.81   589.1
16494.05  583.6116730.78  580.3116791.86  574.9116887.97   567.717333.45   567.7
 17433.4   572.317529.23   589.117616.85   609.217635.62  611.6117871.11   633.4
18305.82  639.0918735.81  641.0220821.74  637.2520935.57  637.2521162.29  637.92
21507.98  633.4822482.36  636.3522736.61   640.924391.91  645.4524769.63  647.61
25187.64  651.7825830.18  663.6126051.44  664.55 27152.3  664.5527779.88   659.1
28050.37   659.128617.38  654.5528852.17  651.9129021.63  650.8729159.93  647.03
29306.73  647.7829597.15  653.8229914.95  656.5830999.63  676.7831655.77  679.11
32611.88  720.6632752.82  721.16 33362.3  690.6333396.59  690.7534970.75  739.94
36001.32  739.0236196.37  741.3936543.96  758.0636584.91  758.7436887.74  758.32
37215.34  769.2137371.51   771.8 38136.4     79038823.79  793.0239170.43     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516426.81     .1517529.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16426.8117529.23                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504367.00   204777.10   1756374.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1504367.00   204777.10   1756374.00
  Q Total (cfs)           6730000.00    Flow (cfs)            2924783.00   602347.40   3202870.00
  Top Width (ft)          35597.82    Top Width (ft)          15090.74    1102.42   19404.66
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.94       2.94       1.82
  Max Chl Dpth (ft)         192.15    Hydr. Depth (ft)           99.69     185.75      90.51
  Conv. Total (cfs)       736829300.0    Conv. (cfs)            320217800.0   65947590.0   350663900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15103.30    1104.74   19411.62
  Min Ch El (ft)            567.70    Shear (lb/sq ft)            0.52       0.97       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.01       2.84       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    111708.70   19778.53   134121.70
  C & E Loss (ft)             0.00    Cum SA (acres)           1004.68      94.94    1199.01


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275556.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  189.24  792.49  615.68  776.71 1297.11  761.51 1468.57  754.27
 1742.42  747.13 1903.02  745.44 2238.84  745.44 2559.42   744.2 3420.45  720.73
 3489.31  717.11 3576.82  714.56 3587.66  714.43 3781.02  717.53 3953.51  715.44
 4090.61  713.24 4237.81  709.19 4597.62  700.49 5036.14  693.23  5362.5  691.59
 5502.93  690.15 5655.74  684.79 5721.48  679.89 6069.75  678.07 6405.27  679.57
 6540.62  680.88 6752.06  671.76 6911.98   667.2 6980.39  662.64 7027.47  662.64
 7171.98  665.82 7380.98  675.87 7441.48  674.93 7565.86  674.82 7915.02  666.29
 7961.04   667.8 8109.58  669.13 8391.21  651.87 8404.75  650.35 8570.68  641.07
 8703.94  640.39 8948.26  648.27 9116.17  647.41 9292.08  637.39 9470.99  634.04
 9609.58  621.27 9626.13  621.04 9712.31  611.92    9874  598.24 9929.08  598.24
 9969.46   602.410091.28  631.2710194.72  641.92 10567.4  638.04 10719.4  631.02
10773.05  625.0210977.58  622.8911220.11  631.2411508.71  628.2412119.06  623.68
13524.71  623.6813756.07  618.24 14350.8  618.2414808.34   622.814866.08  627.36
15148.66  624.0715155.37  618.5515257.88  616.9215891.33  595.9816430.61  589.12
16497.98  583.6216735.19  580.3316796.39  574.92 16892.7   567.717338.42   567.7
17438.55   572.317534.55  589.1217622.15   609.217640.92  611.6117876.39  633.36
18311.05  639.0518740.99  640.98 20826.7   637.220940.51   637.221167.21  637.87
21512.86  633.4522487.13  636.3222741.35  640.8824396.47  645.4424774.15   647.6
25192.11  651.7725834.59  663.6226055.81  664.5627156.56  664.5627784.06  659.12
28054.53  659.1228621.48  654.5628856.24  651.9129025.68  650.8729163.96  647.02
29310.75  647.7729601.14  653.81 29918.9  656.5731003.46  676.7531659.53  679.09
32615.54  720.5732756.46  721.0733365.88   690.633400.16  690.7334974.14  739.85
36004.61  738.9536199.63  741.3336547.18  757.9936588.13  758.6736890.93  758.27
37218.49  769.1637374.64  771.7638139.45     79038826.76  793.0339173.36     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516430.61     .1517534.55     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16430.6117534.55                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504401.00   205048.20   1756742.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1504401.00   205048.20   1756742.00
  Q Total (cfs)           6730000.00    Flow (cfs)            2923734.00   602977.90   3203289.00
  Top Width (ft)          35602.24    Top Width (ft)          15094.28    1103.94   19404.02
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.94       2.94       1.82
  Max Chl Dpth (ft)         192.15    Hydr. Depth (ft)           99.67     185.74      90.53
  Conv. Total (cfs)       737006700.0    Conv. (cfs)            320180000.0   66032500.0   350794200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15106.83    1106.27   19410.96
  Min Ch El (ft)            567.70    Shear (lb/sq ft)            0.52       0.96       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.01       2.84       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    111536.00   19755.01   133920.00
  C & E Loss (ft)             0.00    Cum SA (acres)           1002.95      94.82    1196.78
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CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275553.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  189.28  792.48  615.82   776.7 1297.41  761.51 1468.91  754.27
 1742.82  747.12 1903.45  745.43 2239.36  745.43 2560.01  744.19 3421.24  720.75
 3490.12  717.13 3577.64  714.57 3588.49  714.44 3781.89  717.52 3954.42  715.43
 4091.55  713.23 4238.79  709.17 4598.68  700.47  5037.3  693.22 5363.73  691.57
  5504.2  690.13 5657.05  684.76  5722.8  679.85 6071.15  678.04 6406.74  679.55
 6542.12  680.86 6753.62  671.72 6913.57  667.15    6982  662.58  7029.1  662.58
 7173.63  665.77 7382.68  675.81  7443.2  674.88 7567.61   674.8 7916.84  666.29
 7962.88  667.81 8111.45  669.19 8393.15  651.96 8406.69  650.44 8572.65  641.14
 8705.95  640.47 8950.32  648.36 9118.28  647.51 9294.23  637.47 9473.17  634.11
 9611.79  621.36 9628.35  621.13 9714.55  611.99 9876.28  598.28 9931.38  598.28
 9971.76  602.4510093.61  631.3110197.08  641.9910569.84   638.110721.88  631.09
10775.54   625.110980.12  622.96 11222.7  631.2911511.37  628.2812121.86  623.71
13527.83  623.7113759.24  618.2814354.11  618.2814811.75  622.8514869.52  627.42
15152.16  624.1215158.87  618.62 15261.4  616.98   15895  596.01 16434.4  589.14
16501.91  583.6416739.61  580.3516800.93  574.9316897.44   567.7 17343.4   567.7
17443.71  572.2917539.87  589.1417627.46  609.1917646.23   611.617881.67  633.33
18316.28  639.0218746.18  640.9420831.65  637.1520945.46  637.1521172.12  637.82
21517.73  633.41 22491.9  636.29 22746.1  640.8624401.03  645.4324778.67   647.6
25196.59  651.7725838.99  663.6326060.19  664.5727160.82  664.5727788.25  659.14
28058.68  659.1428625.57  654.5728860.31  651.9229029.73  650.87   29168     647
29314.77  647.7529605.13  653.8129922.86  656.5631007.29  676.7231663.29  679.07
 32619.2  720.4932760.11  720.9933369.45  690.5833403.73  690.7134977.54  739.76
36007.89  738.8736202.89  741.2636550.41  757.9236591.35   758.636894.12  758.22
37221.64  769.1237377.78  771.72 38142.5     79038829.73  793.04 39176.3     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 16434.4     .1517539.87     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       16434.417539.87                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1504425.00   205319.80   1757097.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)             1504425.00   205319.80   1757097.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2922687.00   603612.70   3203701.00
  Top Width (ft)          35606.55    Top Width (ft)           15097.75    1105.47   19403.33
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.94       2.94       1.82
  Max Chl Dpth (ft)         192.15    Hydr. Depth (ft)           99.65     185.73      90.56
  Conv. Total (cfs)       737177900.0    Conv. (cfs)            320139700.0   66117380.0   350920800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         15110.30    1107.80   19410.27
  Min Ch El (ft)            567.70    Shear (lb/sq ft)            0.52       0.96       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.01       2.84       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    111363.30   19731.46   133718.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1001.22      94.69    1194.56


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275550.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  189.32  792.48  615.97  776.68 1297.71  761.51 1469.25  754.26
 1743.22  747.11 1903.89  745.42 2239.88  745.42 2560.61  744.18 3422.03  720.77
 3490.92  717.14 3578.47  714.58 3589.32  714.45 3782.76  717.52 3955.33  715.42
  4092.5  713.21 4239.76  709.15 4599.74  700.45 5038.47   693.2 5364.97  691.55
 5505.47  690.11 5658.35  684.74 5724.12  679.81 6072.55     678 6408.22  679.52
 6543.64  680.84 6755.18  671.68 6915.17   667.1 6983.61  662.52 7030.72  662.52
 7175.29  665.72 7384.38  675.76 7444.92  674.84 7569.36  674.77 7918.67   666.3
 7964.71  667.83 8113.33  669.25 8395.09  652.05 8408.63  650.53 8574.63  641.22
 8707.96  640.54 8952.39  648.46 9120.38   647.6 9296.37  637.55 9475.36  634.19
 9614.01  621.45 9630.57  621.22 9716.79  612.06 9878.56  598.32 9933.67  598.32
 9974.06   602.510095.94  631.3610199.43  642.0610572.28  638.1610724.35  631.15
10778.03  625.1710982.65  623.0311225.29  631.3411514.02  628.3212124.66  623.74
13530.96  623.7413762.42  618.3214357.42  618.3214815.17   622.914872.95  627.48
15155.65  624.1815162.36  618.6815264.93  617.0415898.67  596.0316438.19  589.16
16505.84  583.6516744.02  580.3616805.47  574.9416902.17   567.717348.38   567.7
17448.86  572.2917545.19  589.1617632.77  609.1917651.53   611.617886.95  633.29
18321.52  638.9818751.36   640.920836.61   637.1 20950.4   637.121177.04  637.77
21522.61  633.3722496.67  636.2622750.84  640.8424405.59  645.4224783.19  647.59
25201.06  651.7725843.39  663.6426064.57  664.5827165.08  664.5827792.44  659.16
28062.84  659.1628629.67  654.5828864.38  651.9229033.79  650.8629172.04  646.99
29318.79  647.7429609.12   653.829926.81  656.5631011.13  676.6931667.05  679.04
32622.85   720.432763.75   720.933373.02  690.56 33407.3  690.6934980.94  739.67
36011.17   738.836206.16   741.236553.63  757.8536594.57  758.53 36897.3  758.17
37224.79  769.0737380.91  771.6838145.54     790 38832.7  793.0439179.23     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516438.19     .1517545.19     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16438.1917545.19                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1504462.00   205594.00   1757466.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)             1504462.00   205594.00   1757466.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2921636.00   604252.10   3204112.00
  Top Width (ft)          35610.95    Top Width (ft)           15101.27    1107.00   19402.68
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  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.94       2.94       1.82
  Max Chl Dpth (ft)         192.15    Hydr. Depth (ft)           99.62     185.72      90.58
  Conv. Total (cfs)       737358100.0    Conv. (cfs)            320102800.0   66203590.0   351051600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15113.83    1109.33   19409.60
  Min Ch El (ft)            567.70    Shear (lb/sq ft)            0.52       0.96       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.01       2.83       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    111190.60   19707.87   133516.70
  C & E Loss (ft)             0.00    Cum SA (acres)            999.48      94.56    1192.33


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275547.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  189.37  792.47  616.11  776.67    1298   761.5 1469.59  754.25
 1743.63  747.11 1904.33  745.41 2240.39  745.41  2561.2  744.16 3422.82  720.78
 3491.73  717.16 3579.29  714.59 3590.15  714.46 3783.64  717.51 3956.25  715.41
 4093.44   713.2 4240.74  709.14  4600.8  700.43 5039.63  693.19 5366.21  691.53
 5506.74  690.09 5659.66  684.71 5725.45  679.78 6073.95  677.97  6409.7   679.5
 6545.15  680.82 6756.74  671.64 6916.77  667.05 6985.22  662.46 7032.34  662.46
 7176.94  665.66 7386.09  675.71 7446.64  674.79  7571.1  674.74  7920.5  666.31
 7966.55  667.85  8115.2   669.3 8397.02  652.14 8410.57  650.62 8576.61  641.29
 8709.97  640.61 8954.46  648.55 9122.48   647.7 9298.52  637.63 9477.55  634.26
 9616.23  621.54  9632.8  621.31 9719.03  612.13 9880.84  598.36 9935.96  598.36
 9976.36  602.5510098.27  631.4110201.78  642.1310574.72  638.2210726.83  631.22
10780.51  625.2510985.18  623.1111227.88  631.3811516.68  628.3612127.46  623.77
13534.08  623.7713765.59  618.3614360.73  618.3614818.59  622.9514876.38  627.54
15159.15  624.2315165.86  618.7415268.45  617.1115902.34  596.0616441.99  589.18
16509.77  583.6616748.43  580.3816810.01  574.9516906.91   567.717353.36   567.7
17454.01  572.29 17550.5  589.1817638.08  609.1917656.84   611.617892.23  633.25
18326.75  638.9518756.54  640.8620841.56  637.0520955.34  637.0521181.96  637.72
21527.49  633.3422501.45  636.2322755.58  640.8224410.15  645.4124787.71  647.59
25205.54  651.76 25847.8  663.6626068.95  664.5927169.33  664.5927796.63  659.18
   28067  659.1828633.77  654.5928868.46  651.9229037.84  650.8629176.07  646.98
29322.81  647.7229613.11  653.7929930.76  656.5531014.96  676.6731670.81  679.02
32626.51  720.3132767.39  720.82 33376.6  690.5433410.87  690.6734984.34  739.59
36014.46  738.7336209.42  741.1436556.86  757.7836597.79  758.4636900.49  758.13
37227.94  769.0237384.04  771.6438148.59     79038835.68  793.0539182.16     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516441.99     .15 17550.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16441.99 17550.5                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504494.00   205862.90   1757795.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1504494.00   205862.90   1757795.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2920613.00   604886.50   3204500.00
  Top Width (ft)          35615.29    Top Width (ft)          15105.00    1108.51   19401.79
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.94       2.94       1.82
  Max Chl Dpth (ft)         192.15    Hydr. Depth (ft)           99.60     185.71      90.60
  Conv. Total (cfs)       737521400.0    Conv. (cfs)            320061600.0   66287780.0   351172000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15117.56    1110.84   19408.69
  Min Ch El (ft)            567.70    Shear (lb/sq ft)            0.52       0.96       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.00       2.83       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    111017.90   19684.26   133314.90
  C & E Loss (ft)             0.00    Cum SA (acres)            997.75      94.44    1190.10


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275544.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  189.41  792.47  616.25  776.66  1298.3   761.5 1469.93  754.24
 1744.03   747.1 1904.77   745.4 2240.91   745.4 2561.79  744.15 3423.61   720.8
 3492.53  717.17 3580.12   714.6 3590.98  714.47 3784.51  717.51 3957.16   715.4
 4094.39  713.18 4241.72  709.12 4601.87  700.41 5040.79  693.17 5367.45  691.51
 5508.01  690.07 5660.96  684.68 5726.77  679.74 6075.35  677.94 6411.18  679.48
 6546.65   680.8  6758.3   671.6 6918.36     667 6986.83   662.4 7033.96   662.4
  7178.6  665.61 7387.79  675.66 7448.35  674.75 7572.85  674.72 7922.32  666.31
 7968.39  667.86 8117.07  669.36 8398.96  652.22 8412.51  650.71 8578.59  641.36
 8711.98  640.68 8956.52  648.65 9124.59   647.8 9300.66  637.71 9479.73  634.34
 9618.45  621.63 9635.02   621.4 9721.28   612.2 9883.12   598.4 9938.25   598.4
 9978.67   602.6 10100.6  631.4510204.14   642.210577.16  638.29 10729.3  631.29
   10783  625.3310987.72  623.1811230.47  631.4311519.34   628.412130.25   623.8
 13537.2   623.813768.77   618.414364.05   618.414822.01     62314879.81   627.6
15162.65  624.2815169.36   618.815271.97  617.1715906.01  596.0816445.78   589.2
 16513.7  583.6716752.85   580.416814.55  574.9616911.64  567.6917358.34  567.69
17459.16  572.2817555.82   589.217643.38  609.1917662.14  611.5917897.51  633.22
18331.98  638.9118761.73  640.8120846.52     63720960.28     63721186.87  637.67
21532.37   633.322506.22   636.222760.33   640.824414.71   645.424792.23  647.58
25210.01  651.76 25852.2  663.6726073.33   664.627173.59   664.627800.82   659.2
28071.16   659.228637.86   654.628872.53  651.9329041.89  650.8629180.11  646.96
29326.84  647.71 29617.1  653.7929934.72  656.54 31018.8  676.6431674.58  678.99
32630.17  720.2332771.03  720.7333380.17  690.5233414.44  690.6534987.73   739.5
36017.74  738.6636212.68  741.0736560.08  757.7136601.01   758.436903.68  758.08
37231.09  768.9837387.18   771.638151.64     79038838.65  793.06 39185.1     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516445.78     .1517555.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16445.7817555.82                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
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  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504525.00   206141.90   1758171.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1504525.00   206141.90   1758171.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2919532.00   605544.80   3204923.00
  Top Width (ft)          35619.65    Top Width (ft)          15108.52    1110.04   19401.09
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.94       2.94       1.82
  Max Chl Dpth (ft)         192.16    Hydr. Depth (ft)           99.58     185.71      90.62
  Conv. Total (cfs)       737705300.0    Conv. (cfs)             320022900.0   66376460.0   351306000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15121.08    1112.37   19407.98
  Min Ch El (ft)            567.69    Shear (lb/sq ft)            0.52       0.96       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.00       2.83       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    110845.20   19660.61   133113.10
  C & E Loss (ft)             0.00    Cum SA (acres)            996.02      94.31    1187.88


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275541.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  189.45  792.46  616.39  776.65  1298.6   761.5 1470.27  754.24
 1744.43  747.09 1905.21  745.39 2241.43  745.39 2562.38  744.14  3424.4  720.82
 3493.34  717.19 3580.94  714.61 3591.81  714.48 3785.38   717.5 3958.07  715.39
 4095.33  713.17  4242.7   709.1 4602.93  700.39 5041.95  693.16 5368.69   691.5
 5509.28  690.05 5662.27  684.65 5728.09   679.7 6076.75   677.9 6412.66  679.45
 6548.16  680.78 6759.85  671.56 6919.96  666.95 6988.44  662.34 7035.59  662.34
 7180.25  665.56  7389.5   675.6 7450.07   674.7  7574.6  674.69 7924.15  666.32
 7970.23  667.88 8118.94  669.42  8400.9  652.31 8414.45  650.79 8580.57  641.43
 8713.99  640.76 8958.59  648.74 9126.69  647.89 9302.81  637.78 9481.92  634.41
 9620.67  621.72 9637.24  621.49 9723.52  612.27  9885.4  598.44 9940.54  598.44
 9980.97  602.6410102.93   631.510206.49  642.27 10579.6  638.3510731.78  631.36
10785.49   625.410990.25  623.2511233.06  631.4811521.99  628.4412133.05  623.83
13540.32  623.8313771.94  618.4414367.36  618.4414825.43  623.0514883.24  627.66
15166.15  624.3415172.86  618.8715275.49  617.2315909.67  596.1116449.57  589.22
16517.63  583.6816757.26  580.4216819.08  574.9716916.37  567.6917363.32  567.69
17464.31  572.2817561.14  589.2217648.69  609.1917667.45  611.5917902.79  633.18
18337.21  638.8818766.91  640.7720851.47  636.9520965.22  636.9521191.79  637.63
21537.25  633.2722510.99  636.1722765.07  640.7824419.28  645.3924796.75  647.58
25214.48  651.76 25856.6  663.6826077.71  664.6127177.85  664.6127805.01  659.22
28075.32  659.2228641.96  654.61 28876.6  651.9329045.94  650.8629184.15  646.95
29330.86   647.729621.09  653.7829938.67  656.5331022.63  676.6131678.34  678.97
32633.82  720.1432774.67  720.6533383.75   690.533418.01  690.6234991.13  739.41
36021.02  738.5936215.94  741.01 36563.3  757.6436604.23  758.3336906.86  758.03
37234.24  768.9337390.31  771.5638154.69     79038841.62  793.0639188.04     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516449.57     .1517561.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16449.5717561.14                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504556.00   206414.30   1758523.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1504556.00   206414.30   1758523.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2918502.00   606180.90   3205317.00
  Top Width (ft)          35624.00    Top Width (ft)          15111.99    1111.57   19400.43
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.94       2.94       1.82
  Max Chl Dpth (ft)         192.16    Hydr. Depth (ft)           99.56     185.70      90.64
  Conv. Total (cfs)       737878000.0    Conv. (cfs)             319984900.0   66461750.0   351431300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15124.56    1113.90   19407.31
  Min Ch El (ft)            567.69    Shear (lb/sq ft)            0.52       0.96       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.00       2.83       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    110672.50   19636.93   132911.30
  C & E Loss (ft)             0.00    Cum SA (acres)            994.28      94.18    1185.65


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275538.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   189.5  792.46  616.53  776.63  1298.9   761.49 1470.61  754.23
 1744.83  747.09 1905.65  745.38 2241.94  745.38 2562.97  744.13 3425.19  720.83
 3494.14  717.21 3581.77  714.62 3592.63  714.49 3786.26   717.5 3958.99  715.38
 4096.27  713.15 4243.68  709.08 4603.99  700.37 5043.12  693.14 5369.92  691.48
 5510.55  690.04 5663.57  684.63 5729.41  679.67 6078.15  677.87 6414.14  679.43
 6549.67  680.76 6761.41  671.52 6921.55   666.9 6990.06  662.28 7037.21  662.28
 7181.91  665.51  7391.2  675.55 7451.79  674.66 7576.34  674.66 7925.98  666.33
 7972.06   667.9 8120.81  669.47 8402.84   652.4 8416.39  650.88 8582.55   641.5
    8716  640.83 8960.65  648.84  9128.8  647.99 9304.95  637.86  9484.1  634.49
 9622.89  621.81 9639.46  621.58 9725.76  612.34 9887.68  598.48 9942.84  598.48
 9983.27  602.6910105.26  631.5510208.84  642.3410582.04  638.4110734.25  631.43
10787.97  625.4810992.79  623.3211235.65  631.5211524.65  628.4812135.85  623.86
13543.44  623.8613775.12  618.4814370.67  618.4814828.85   623.114886.68  627.72
15169.64  624.3915176.36  618.9315279.02  617.2915913.34  596.1416453.37  589.24
16521.56  583.6916761.67  580.4416823.62  574.9716921.11  567.69 17368.3  567.69
17469.46  572.2717566.45  589.24   17654  609.1817672.75  611.5917908.07  633.14
18342.44  638.84 18772.1  640.7320856.42   636.920970.17   636.921196.71  637.58
21542.13  633.2322515.76  636.1422769.82  640.7624423.84  645.3824801.27  647.57
25218.96  651.7525861.01  663.6926082.09  664.6227182.11  664.62 27809.2  659.24
28079.48  659.2428646.06  654.6228880.67  651.9429049.99  650.8629188.18  646.94
29334.88  647.6829625.07  653.7729942.62  656.5331026.47  676.58 31682.1  678.95
32637.48  720.0532778.31  720.5633387.32  690.4833421.58   690.634994.53  739.32
36024.31  738.52 36219.2  740.9536566.53  757.5736607.45  758.2636910.05  757.98
37237.39  768.8937393.45  771.5238157.74     790 38844.6  793.0739190.97     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516453.37     .1517566.45     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16453.3717566.45                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504585.00   206684.90   1758890.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1504585.00   206684.90   1758890.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2917430.00   606813.80   3205756.00
  Top Width (ft)          35628.54    Top Width (ft)          15115.71    1113.08   19399.75
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.94       2.94       1.82
  Max Chl Dpth (ft)         192.16    Hydr. Depth (ft)           99.54     185.69      90.67
  Conv. Total (cfs)       738051500.0    Conv. (cfs)             319942600.0   66546770.0   351562100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15128.27    1115.42   19406.61
  Min Ch El (ft)            567.69    Shear (lb/sq ft)            0.52       0.96       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.00       2.82       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    110499.80   19613.22   132709.40
  C & E Loss (ft)             0.00    Cum SA (acres)            992.55      94.05    1183.42


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275536.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  189.54  792.45  616.68  776.62  1299.2  761.49 1470.95  754.22
 1745.24  747.08 1906.09  745.37 2242.46  745.37 2563.56  744.11 3425.98  720.85
 3494.95  717.22  3582.6  714.63 3593.46   714.5 3787.13  717.49  3959.9  715.37
 4097.22  713.14 4244.65  709.07 4605.05  700.35 5044.28  693.13 5371.16  691.46
 5511.82  690.02 5664.88   684.6 5730.73  679.63 6079.56  677.84 6415.62  679.41
 6551.18  680.74 6762.97  671.48 6923.15  666.85 6991.67  662.22 7038.83  662.22
 7183.56  665.45  7392.9   675.5 7453.51  674.61 7578.09  674.63 7927.81  666.33
  7973.9  667.92 8122.69  669.53 8404.77  652.49 8418.33  650.97 8584.53  641.57
    8718   640.9 8962.72  648.93  9130.9  648.09  9307.1  637.94 9486.29  634.56
  9625.1   621.9 9641.68  621.67    9728  612.41 9889.96  598.52 9945.13  598.52
 9985.57  602.7410107.59  631.59 10211.2  642.4110584.48  638.4710736.73  631.49
10790.46  625.5610995.32  623.3911238.24  631.5711527.31  628.5212138.65  623.89
13546.57  623.8913778.29  618.5214373.99  618.5214832.27  623.1514890.11  627.78
15173.14  624.4415179.86  618.9915282.54  617.3515917.01  596.1616457.16  589.26
16525.49  583.7116766.09  580.4516828.16  574.9816925.84  567.6917373.28  567.69
17474.61  572.2717571.77  589.2617659.31  609.1817678.06  611.5917913.35  633.11
18347.67  638.8118777.28  640.6920861.38  636.8520975.11  636.8521201.62  637.53
21547.01  633.1922520.53  636.1122774.56  640.74 24428.4  645.3724805.79  647.57
25223.43  651.7525865.41   663.726086.47  664.6327186.37  664.6327813.38  659.26
28083.64  659.2628650.15  654.6328884.74  651.9429054.04  650.8629192.22  646.93
 29338.9  647.6729629.06  653.7629946.58  656.52 31030.3  676.5531685.86  678.92
32641.14  719.9732781.95  720.4833390.89  690.4633425.15  690.5834997.93  739.23
36027.59  738.4436222.47  740.8936569.75   757.536610.67  758.1936913.23  757.94
37240.54  768.8437396.58  771.4838160.79     79038847.57  793.0839193.91     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516457.16     .1517571.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16457.1617571.77                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504626.00   206957.00   1759248.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1504626.00   206957.00   1759248.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2916397.00   607442.30   3206161.00
  Top Width (ft)          35632.69    Top Width (ft)          15119.24    1114.61   19398.84
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.94       2.94       1.82
  Max Chl Dpth (ft)         192.16    Hydr. Depth (ft)           99.52     185.68      90.69
  Conv. Total (cfs)       738231900.0    Conv. (cfs)             319907400.0   66631980.0   351692500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15131.80    1116.95   19405.69
  Min Ch El (ft)            567.69    Shear (lb/sq ft)            0.52       0.96       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.00       2.82       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    110327.10   19589.48   132507.50
  C & E Loss (ft)             0.00    Cum SA (acres)            990.81      93.93    1181.20


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275533.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  189.58  792.45  616.82  776.61  1299.5  761.49 1471.29  754.21
 1745.64  747.08 1906.53  745.36 2242.98  745.36 2564.15   744.1 3426.77  720.87
 3495.75  717.24 3583.42  714.64 3594.29  714.51    3788  717.48 3960.81  715.36
 4098.16  713.12 4245.63  709.05 4606.11  700.33 5045.44  693.11  5372.4  691.44
 5513.09     690 5666.18  684.57 5732.05  679.59 6080.96   677.8  6417.1  679.39
 6552.69  680.72 6764.53  671.44 6924.74   666.8 6993.28  662.16 7040.45  662.16
 7185.22   665.4 7394.61  675.44 7455.23  674.56 7579.83  674.61 7929.63  666.34
 7975.74  667.93 8124.56  669.59 8406.71  652.58 8420.27  651.06  8586.5  641.65
 8720.01  640.98 8964.78  649.03 9133.01  648.18 9309.24  638.02 9488.48  634.63
 9627.32  621.99 9643.91  621.76 9730.24  612.48 9892.24  598.56 9947.42  598.56
 9987.87  602.7910109.92  631.6410213.55  642.4810586.92  638.53 10739.2  631.56
10792.95  625.6310997.86  623.4711240.83  631.6211529.96  628.5612141.44  623.92
13549.69  623.9213781.47  618.56 14377.3  618.5614835.68   623.214893.54  627.84
15176.64  624.4915183.36  619.0515286.06  617.4115920.68  596.1916460.95  589.28
16529.42  583.72 16770.5  580.47 16832.7  574.9916930.58  567.6917378.26  567.69
17479.77  572.2617577.09  589.2817664.61  609.1817683.36  611.5817918.63  633.07
 18352.9  638.7718782.47  640.6520866.33   636.820980.05   636.821206.54  637.48
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21551.89  633.16 22525.3  636.08 22779.3  640.7224432.96  645.3624810.31  647.56
25227.91  651.7525869.81  663.7126090.85  664.6427190.62  664.6427817.57  659.28
 28087.8  659.2828654.25  654.6428888.81  651.95 29058.1  650.8529196.26  646.91
29342.92  647.6529633.05  653.7629950.53  656.5131034.13  676.5231689.62   678.9
32644.79  719.88 32785.6  720.3933394.47  690.4433428.72  690.5635001.32  739.15
36030.88  738.3736225.73  740.8236572.98  757.4336613.89  758.1236916.42  757.89
37243.69   768.837399.71  771.4438163.84     79038850.54  793.0839196.84     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516460.95     .1517577.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16460.9517577.09                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504652.00   207230.70   1759597.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1504652.00   207230.70   1759597.00
  Q Total (cfs)           6730000.00    Flow (cfs)            2915357.00   608084.10   3206559.00
  Top Width (ft)          35637.04    Top Width (ft)          15122.76    1116.14   19398.14
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.94       2.93       1.82
  Max Chl Dpth (ft)         192.16    Hydr. Depth (ft)           99.50     185.67      90.71
  Conv. Total (cfs)       738402500.0    Conv. (cfs)            319867200.0   66717810.0   351817400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15135.32    1118.48   19404.97
  Min Ch El (ft)            567.69    Shear (lb/sq ft)            0.52       0.96       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.00       2.82       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    110154.40   19565.71   132305.60
  C & E Loss (ft)             0.00    Cum SA (acres)            989.08      93.80    1178.97


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275530.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  189.63  792.44  616.96   776.6  1299.8  761.49 1471.62   754.2
 1746.04  747.07 1906.97  745.35 2243.49  745.35 2564.74  744.09 3427.56  720.88
 3496.56  717.25 3584.25  714.65 3595.12  714.52 3788.87  717.48 3961.72  715.35
 4099.11  713.11 4246.61  709.03 4607.17  700.31  5046.6   693.1 5373.64  691.42
 5514.36  689.98 5667.49  684.55 5733.37  679.56 6082.36  677.77 6418.57  679.36
  6554.2   680.7 6766.09   671.4 6926.34  666.75 6994.89   662.1 7042.07   662.1
 7186.88  665.35 7396.31  675.39 7456.94  674.52 7581.58  674.58 7931.46  666.35
 7977.58  667.95 8126.43  669.64 8408.65  652.67 8422.21  651.15 8588.48  641.72
 8722.02  641.05 8966.85  649.12 9135.11  648.28 9311.39   638.1 9490.66  634.71
 9629.54  622.08 9646.13  621.85 9732.49  612.55 9894.52   598.6 9949.71   598.6
 9990.17  602.8410112.25  631.6910215.91  642.5510589.36  638.5910741.67  631.63
10795.43  625.7111000.39  623.5411243.42  631.6611532.62   628.612144.24  623.95
13552.81  623.9513784.65   618.614380.61   618.6 14839.1  623.2514896.97   627.9
15180.13  624.5515186.85  619.1215289.58  617.4715924.35  596.2116464.74   589.3
16533.35  583.7316774.91  580.4916837.23     57516935.31  567.6917383.23  567.69
17484.92  572.26 17582.4   589.317669.92  609.1817688.67  611.5817923.91  633.03
18358.13  638.7418787.65  640.6120871.29  636.7520984.99  636.7521211.46  637.43
21556.77  633.1222530.08  636.0522784.05   640.724437.52  645.3524814.83  647.56
25232.38  651.7425874.22  663.7326095.22  664.6527194.88  664.6527821.76   659.3
28091.96   659.328658.35  654.6528892.88  651.9529062.15  650.8529200.29   646.9
29346.94  647.6429637.04  653.7529954.48   656.531037.97  676.4931693.39  678.87
32648.45  719.7932789.24  720.3133398.04  690.4233432.29  690.5435004.72  739.06
36034.16   738.336228.99  740.76 36576.2  757.3636617.11  758.0536919.61  757.84
37246.84  768.7537402.84   771.438166.89     79038853.52  793.0939199.77     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516464.74     .15 17582.4     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16464.74 17582.4                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504686.00   207501.20   1759963.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1504686.00   207501.20   1759963.00
  Q Total (cfs)           6730000.00    Flow (cfs)            2914315.00   608710.10   3206975.00
  Top Width (ft)          35641.44    Top Width (ft)          15126.29    1117.66   19397.49
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.94       2.93       1.82
  Max Chl Dpth (ft)         192.16    Hydr. Depth (ft)           99.47     185.66      90.73
  Conv. Total (cfs)       738579000.0    Conv. (cfs)            319829400.0   66802450.0   351947100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15138.85    1120.00   19404.31
  Min Ch El (ft)            567.69    Shear (lb/sq ft)            0.52       0.96       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.00       2.82       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    109981.70   19541.91   132103.60
  C & E Loss (ft)             0.00    Cum SA (acres)            987.34      93.67    1176.74


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275527.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  189.67  792.44   617.1  776.59  1300.1  761.48 1471.96   754.2
 1746.44  747.06 1907.41  745.34 2244.01  745.34 2565.33  744.08 3428.35   720.9
 3497.37  717.27 3585.07  714.66 3595.95  714.53 3789.75  717.47 3962.64  715.34
 4100.05  713.09 4247.59  709.02 4608.23  700.29 5047.77  693.08 5374.88   691.4
 5515.63  689.96  5668.8  684.52 5734.69  679.52 6083.76  677.74 6420.05  679.34
 6555.71  680.68 6767.65  671.36 6927.93   666.7  6996.5  662.04  7043.7  662.04
 7188.53  665.29 7398.02  675.34 7458.66  674.47 7583.33  674.55 7933.29  666.35
 7979.42  667.97  8128.3   669.7 8410.58  652.75 8424.15  651.24 8590.46  641.79
 8724.03  641.12 8968.92  649.22 9137.22  648.38 9313.53  638.18 9492.85  634.78
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 9631.76  622.17 9648.35  621.94 9734.73  612.62  9896.8  598.64    9952  598.64
 9992.47  602.8910114.58  631.7310218.26  642.62 10591.8  638.6510744.15   631.7
10797.92  625.7911002.92  623.6111246.01  631.7111535.28  628.6412147.04  623.98
13555.93  623.9813787.82  618.6414383.92  618.6414842.52   623.3 14900.4  627.96
15183.63   624.615190.35  619.18 15293.1  617.5315928.02  596.2416468.54  589.32
16537.28  583.7416779.33  580.5116841.77  575.0116940.04  567.6917388.21  567.69
17490.07  572.2617587.72  589.3217675.23  609.1817693.97  611.5817929.19     633
18363.37   638.718792.84  640.5620876.24   636.720989.93   636.721216.38  637.38
21561.65  633.0822534.85  636.0222788.79  640.6824442.08  645.3424819.35  647.55
25236.86  651.7425878.62  663.74 26099.6  664.6627199.14  664.6627825.95  659.32
28096.12  659.3228662.44  654.6628896.95  651.95 29066.2  650.8529204.33  646.89
29350.96  647.6229641.03  653.7429958.44   656.5 31041.8  676.4631697.15  678.85
32652.11  719.7132792.88  720.2233401.62   690.433435.86  690.5235008.12  738.97
36037.44  738.2336232.25   740.736579.43  757.2936620.32  757.9836922.79  757.79
37249.99   768.737405.98  771.3638169.93     79038856.49   793.139202.71     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516468.54     .1517587.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16468.5417587.72                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504718.00   207772.00   1760328.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1504718.00   207772.00   1760328.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2913261.00   609338.50   3207401.00
  Top Width (ft)          35645.97    Top Width (ft)          15129.95    1119.18   19396.84
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.94       2.93       1.82
  Max Chl Dpth (ft)         192.16    Hydr. Depth (ft)           99.45     185.65      90.75
  Conv. Total (cfs)       738753100.0    Conv. (cfs)            319789000.0   66887180.0   352076900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15142.51    1121.53   19403.65
  Min Ch El (ft)            567.69    Shear (lb/sq ft)            0.51       0.96       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.00       2.81       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    109809.00   19518.08   131901.50
  C & E Loss (ft)             0.00    Cum SA (acres)            985.60      93.54    1174.52


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275524.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  189.72  792.44  617.24  776.57  1300.4  761.48  1472.3  754.19
 1746.84  747.06 1907.85  745.33 2244.53  745.33 2565.92  744.06 3429.14  720.92
 3498.17  717.28  3585.9  714.67 3596.77  714.54 3790.62  717.47 3963.55  715.33
    4101  713.08 4248.57     709  4609.3  700.27 5048.93  693.07 5376.11  691.38
  5516.9  689.94  5670.1  684.49 5736.01  679.49 6085.16   677.7 6421.53  679.32
 6557.22  680.66 6769.21  671.32 6929.53  666.65 6998.11  661.98 7045.32  661.98
 7190.19  665.24 7399.72  675.28 7460.38  674.43 7585.07  674.52 7935.11  666.36
 7981.25  667.98 8130.17  669.76 8412.52  652.84 8426.09  651.33 8592.44  641.86
 8726.04  641.19 8970.98  649.31 9139.32  648.47 9315.68  638.25 9495.04  634.86
 9633.98  622.26 9650.57  622.03 9736.97  612.69 9899.08  598.68  9954.3  598.68
 9994.78  602.9410116.91  631.7810220.61  642.6910594.24  638.7210746.62  631.77
10800.41  625.8611005.46  623.68 11248.6  631.7611537.94  628.6812149.84  624.01
13559.06  624.01   13791  618.6814387.24  618.6814845.94  623.3514903.83  628.02
15187.13  624.6515193.85  619.2415296.63  617.5915931.69  596.2616472.33  589.34
16541.21  583.7516783.74  580.5216846.31  575.0216944.78  567.6917393.19  567.69
17495.22  572.2517593.04  589.3417680.54  609.1817699.28  611.5717934.47  632.96
 18368.6  638.6718798.02  640.52 20881.2  636.6520994.88  636.6521221.29  637.33
21566.53  633.0522539.62  635.9922793.54  640.6624446.65  645.3324823.87  647.55
25241.33  651.7425883.02  663.7526103.98  664.67 27203.4  664.6727830.14  659.34
28100.27  659.3428666.54  654.6728901.02  651.9629070.25  650.8529208.37  646.87
29354.98  647.6129645.02  653.7429962.39  656.4931045.64  676.4331700.91  678.83
32655.77  719.6232796.52  720.1433405.19  690.3833439.43   690.535011.52  738.88
36040.73  738.1636235.52  740.6336582.65  757.2236623.54  757.9236925.98  757.75
37253.14  768.6637409.11  771.3238172.98     79038859.46   793.139205.64     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516472.33     .1517593.04     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16472.3317593.04                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504754.00   208046.20   1760672.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1504754.00   208046.20   1760672.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2912232.00   609979.90   3207789.00
  Top Width (ft)          35650.07    Top Width (ft)          15133.47    1120.71   19395.89
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.94       2.93       1.82
  Max Chl Dpth (ft)         192.16    Hydr. Depth (ft)           99.43     185.64      90.78
  Conv. Total (cfs)       738929000.0    Conv. (cfs)            319752300.0   66973520.0   352203300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15146.04    1123.05   19402.68
  Min Ch El (ft)            567.69    Shear (lb/sq ft)            0.51       0.96       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.00       2.81       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    109636.30   19494.21   131699.50
  C & E Loss (ft)             0.00    Cum SA (acres)            983.87      93.41    1172.29


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275521.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  189.76  792.43  617.39  776.56  1300.7  761.48 1472.64  754.18
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 1747.25  747.05 1908.29  745.32 2245.04  745.32 2566.51  744.05 3429.93  720.94
 3498.98   717.3 3586.72  714.68  3597.6  714.55 3791.49  717.46 3964.46  715.32
 4101.94  713.06 4249.55  708.98 4610.36  700.25 5050.09  693.05 5377.35  691.37
 5518.17  689.92 5671.41  684.46 5737.33  679.45 6086.56  677.67 6423.01  679.29
 6558.73  680.64 6770.77  671.28 6931.13   666.6 6999.72  661.92 7046.94  661.92
 7191.84  665.19 7401.42  675.23  7462.1  674.38 7586.82   674.5 7936.94  666.37
 7983.09     668 8132.05  669.81 8414.46  652.93 8428.03  651.41 8594.42  641.93
 8728.05  641.27 8973.05  649.41 9141.42  648.57 9317.82  638.33 9497.22  634.93
  9636.2  622.35  9652.8  622.12 9739.21  612.76 9901.35  598.72 9956.59  598.72
 9997.08  602.9910119.24  631.8310222.97  642.7610596.68  638.78 10749.1  631.83
10802.89  625.9411007.99  623.7611251.19   631.811540.59  628.7212152.63  624.04
13562.18  624.0413794.17  618.7214390.55  618.7214849.36   623.414907.27  628.08
15190.62   624.715197.35   619.315300.15  617.6515935.35  596.2916476.12  589.36
16545.14  583.7616788.15  580.5416850.85  575.0316949.51  567.6917398.17  567.69
17500.37  572.2517598.36  589.3617685.84  609.1717704.59  611.5717939.75  632.92
18373.83  638.63 18803.2  640.4820886.15   636.620999.82   636.621226.21  637.29
 21571.4  633.0122544.39  635.9622798.28  640.6424451.21  645.3224828.39  647.54
 25245.8  651.7325887.43  663.7626108.36  664.6827207.65  664.6827834.33  659.36
28104.43  659.3628670.63  654.6828905.09  651.9629074.31  650.85 29212.4  646.86
   29359   647.629649.01  653.7329966.35  656.4831049.47   676.431704.67   678.8
32659.42  719.5432800.16  720.0533408.77  690.36   33443  690.4835014.91  738.79
36044.01  738.0936238.78  740.5736585.88  757.1536626.77  757.8536929.16   757.7
37256.29  768.6137412.24  771.2838176.03     79038862.43  793.1139208.58     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516476.12     .1517598.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16476.1217598.36                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504782.00   208318.70   1761043.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1504782.00   208318.70   1761043.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2911171.00   610609.60   3208220.00
  Top Width (ft)          35654.46    Top Width (ft)          15137.00    1122.24   19395.23
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.93       2.93       1.82
  Max Chl Dpth (ft)         192.16    Hydr. Depth (ft)           99.41     185.63      90.80
  Conv. Total (cfs)       739106500.0    Conv. (cfs)            319712500.0   67058760.0   352335200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15149.56    1124.59   19402.01
  Min Ch El (ft)            567.69    Shear (lb/sq ft)            0.51       0.96       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.99       2.81       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    109463.50   19470.31   131497.30
  C & E Loss (ft)             0.00    Cum SA (acres)            982.13      93.28    1170.06


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275518.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   189.8  792.43  617.53  776.55    1301  761.48 1472.98  754.17
 1747.65  747.04 1908.73  745.31 2245.56  745.31  2567.1  744.04 3430.72  720.95
 3499.78  717.31 3587.55  714.69 3598.43  714.55 3792.36  717.46 3965.37  715.31
 4102.88  713.05 4250.52  708.97 4611.42  700.24 5051.26  693.04 5378.59  691.35
 5519.44   689.9 5672.71  684.44 5738.65  679.41 6087.96  677.64 6424.49  679.27
 6560.24  680.62 6772.32  671.24 6932.72  666.55 7001.34  661.86 7048.56  661.86
  7193.5  665.13 7403.13  675.18 7463.81  674.33 7588.57  674.47 7938.77  666.38
 7984.93  668.02 8133.92  669.87  8416.4  653.02 8429.97   651.5  8596.4     642
 8730.06  641.34 8975.11   649.5 9143.53  648.67 9319.97  638.41 9499.41  635.01
 9638.41  622.44 9655.02  622.21 9741.45  612.83 9903.63  598.76 9958.88  598.76
 9999.38  603.0410121.57  631.8710225.32  642.8310599.12  638.8410751.57   631.9
10805.38  626.0211010.53  623.8311253.78  631.8511543.25  628.7612155.43  624.07
 13565.3  624.0713797.35  618.7614393.86  618.7614852.78  623.45 14910.7  628.14
15194.12  624.7615200.85  619.3715303.67  617.7115939.02  596.3216479.92  589.38
16549.07  583.7816792.56  580.5616855.39  575.0416954.25  567.6817403.15  567.68
17505.52  572.2417603.67  589.3817691.15  609.1717709.89  611.5717945.03  632.89
18379.06   638.618808.39  640.4420891.11  636.5521004.76  636.5521231.13  637.24
21576.28  632.9822549.16  635.9322803.02  640.6224455.77  645.3124832.91  647.54
25250.28  651.7325891.83  663.7726112.74  664.6927211.91  664.6927838.52  659.38
28108.59  659.3828674.73  654.6928909.16  651.9729078.36  650.8529216.44  646.85
29363.02  647.58   29653  653.72 29970.3  656.4731053.31  676.3831708.44  678.78
32663.08  719.45 32803.8  719.9733412.34  690.3433446.57  690.4635018.31  738.71
36047.29  738.0236242.04  740.51 36589.1  757.0836629.98  757.7836932.35  757.65
37259.44  768.5737415.38  771.2438179.08     79038865.41  793.1239211.52     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516479.92     .1517603.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16479.9217603.67                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504804.00   208592.20   1761366.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1504804.00   208592.20   1761366.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2910154.00   611264.90   3208581.00
  Top Width (ft)          35658.80    Top Width (ft)          15140.53    1123.75   19394.53
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.93       2.93       1.82
  Max Chl Dpth (ft)         192.17    Hydr. Depth (ft)           99.39     185.62      90.82
  Conv. Total (cfs)       739267600.0    Conv. (cfs)            319670500.0   67145370.0   352451700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15153.10    1126.10   19401.29
  Min Ch El (ft)            567.68    Shear (lb/sq ft)            0.51       0.96       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.99       2.81       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    109290.80   19446.39   131295.20
  C & E Loss (ft)             0.00    Cum SA (acres)            980.39      93.16    1167.84


CROSS SECTION
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RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275515.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  189.85  792.42  617.67  776.54  1301.3  761.47 1473.32  754.16
 1748.05  747.04 1909.17   745.3 2246.08   745.3  2567.7  744.02 3431.51  720.97
 3500.59  717.33 3588.38   714.7 3599.26  714.56 3793.24  717.45 3966.29   715.3
 4103.83  713.03  4251.5  708.95 4612.48  700.22 5052.42  693.02 5379.83  691.33
 5520.71  689.89 5674.02  684.41 5739.97  679.38 6089.36  677.61 6425.97  679.25
 6561.75   680.6 6773.88   671.2 6934.32   666.5 7002.95   661.8 7050.19   661.8
 7195.15  665.08 7404.83  675.13 7465.53  674.29 7590.31  674.44  7940.6  666.38
 7986.77  668.04 8135.79  669.93 8418.33  653.11 8431.91  651.59 8598.38  642.08
 8732.07  641.41 8977.18   649.6 9145.63  648.76 9322.11  638.49  9501.6  635.08
 9640.63  622.53 9657.24   622.3  9743.7   612.9 9905.91   598.8 9961.17   598.8
10001.68  603.09 10123.9  631.9210227.67   642.910601.56   638.910754.05  631.97
10807.87  626.0911013.06   623.911256.38   631.911545.91   628.812158.23   624.1
13568.42   624.113800.52   618.814397.18   618.8 14856.2   623.514914.13   628.2
15197.62  624.8115204.35  619.4315307.19  617.7715942.69  596.3416483.71   589.4
   16553  583.7916796.98  580.5816859.92  575.0516958.98  567.6817408.13  567.68
17510.67  572.2417608.99   589.417696.46  609.17 17715.2  611.56 17950.3  632.85
18384.29  638.5618813.57   640.420896.06   636.5 21009.7   636.521236.04  637.19
21581.16  632.9422553.94   635.922807.77   640.624460.33   645.324837.43  647.53
25254.75  651.7325896.23  663.7926117.12   664.727216.17   664.727842.71   659.4
28112.75   659.428678.83   654.728913.23  651.9729082.41  650.8529220.48  646.83
29367.04  647.5729656.98  653.7229974.25  656.4731057.14  676.35 31712.2  678.75
32666.74  719.3632807.45  719.8833415.91  690.3233450.14  690.4435021.71  738.62
36050.58  737.94 36245.3  740.4536592.32  757.01 36633.2  757.7136935.54   757.6
37262.59  768.5237418.51   771.238182.13     79038868.38  793.1239214.45     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516483.71     .1517608.99     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16483.7117608.99                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504840.00   208864.30   1761735.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1504840.00   208864.30   1761735.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2909102.00   611893.50   3209005.00
  Top Width (ft)          35663.39    Top Width (ft)          15144.24    1125.28   19393.87
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.93       2.93       1.82
  Max Chl Dpth (ft)         192.17    Hydr. Depth (ft)            99.37     185.61      90.84
  Conv. Total (cfs)       739444400.0    Conv. (cfs)            319631300.0   67230500.0   352582600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15156.81    1127.63   19400.63
  Min Ch El (ft)            567.68    Shear (lb/sq ft)            0.51       0.96       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.99       2.81       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    109118.10   19422.43   131093.00
  C & E Loss (ft)             0.00    Cum SA (acres)            978.65      93.03    1165.61


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275512.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  189.89  792.42  617.81  776.52  1301.6  761.47 1473.66  754.16
 1748.45  747.03  1909.6  745.29 2246.59  745.29 2568.29  744.01  3432.3  720.99
 3501.39  717.35  3589.2  714.71 3600.09  714.57 3794.11  717.45  3967.2  715.29
 4104.77  713.02 4252.48  708.93 4613.54   700.2 5053.58  693.01 5381.06  691.31
 5521.98  689.87 5675.32  684.38  5741.3  679.34 6090.77  677.57 6427.45  679.23
 6563.26  680.58 6775.44  671.16 6935.91  666.45 7004.56  661.74 7051.81  661.74
 7196.81  665.03 7406.53  675.07 7467.25  674.24 7592.06  674.42 7942.42  666.39
  7988.6  668.05 8137.66  669.99 8420.27   653.2 8433.85  651.68 8600.35  642.15
 8734.08  641.49 8979.24  649.69 9147.74  648.86 9324.26  638.57 9503.78  635.16
 9642.85  622.62 9659.46  622.39 9745.94  612.97 9908.19  598.84 9963.47  598.84
10003.98  603.1410126.23  631.9710230.03  642.97   10604  638.9610756.52  632.04
10810.36  626.1711015.59  623.9711258.96  631.9411548.56  628.8412161.03  624.13
13571.54  624.13 13803.7  618.8414400.49  618.8414859.61  623.5514917.56  628.26
15201.12  624.8615207.85  619.4915310.72  617.8315946.36  596.37 16487.5  589.42
16556.93   583.816801.39   580.616864.46  575.0616963.71  567.6817413.11  567.68
17515.83  572.2317614.31  589.4217701.77  609.17 17720.5  611.5617955.58  632.82
18389.53  638.5318818.76  640.3620901.02  636.4521014.64  636.4521240.96  637.14
21586.04   632.922558.71  635.8722812.51  640.5824464.89  645.2924841.95  647.53
25259.22  651.7325900.64   663.8 26121.5  664.7127220.43  664.7127846.89  659.42
28116.91  659.4228682.92  654.71 28917.3  651.9729086.46  650.8429224.52  646.82
29371.06  647.5529660.97  653.7129978.21  656.4631060.98  676.3231715.96  678.73
32670.39  719.2832811.09  719.7933419.49   690.333453.71  690.4235025.11  738.53
36053.86  737.8736248.57  740.3836595.55  756.9436636.42  757.6436938.72  757.56
37265.74  768.4837421.64  771.1638185.18     79038871.36  793.1339217.39     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 16487.5     .1517614.31     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       16487.517614.31                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504862.00   209137.80   1762087.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1504862.00   209137.80   1762087.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2908043.00   612529.40   3209427.00
  Top Width (ft)          35667.43    Top Width (ft)          15147.71    1126.81   19392.91
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.93       2.93       1.82
  Max Chl Dpth (ft)         192.17    Hydr. Depth (ft)            99.35     185.60      90.86
  Conv. Total (cfs)       739618800.0    Conv. (cfs)            319590400.0   67316230.0   352712100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15160.28    1129.17   19399.64
  Min Ch El (ft)            567.68    Shear (lb/sq ft)            0.51       0.96       0.47
```

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  Alpha                        1.06    Stream Power (lb/ft s)      0.99       2.80       0.86
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    108945.40   19398.44   130890.70
  C & E Loss (ft)              0.00    Cum SA (acres)            976.92      92.90    1163.38


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275509.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  189.93  792.41  617.96  776.51  1301.9  761.47    1474  754.15
 1748.86  747.02 1910.04  745.28 2247.11  745.28 2568.88     744 3433.09     721
  3502.2  717.36 3590.03  714.72 3600.92  714.58 3794.98  717.44 3968.11  715.28
 4105.72     713 4253.46  708.92  4614.6  700.18 5054.74  692.99  5382.3  691.29
 5523.26  689.85 5676.63  684.36 5742.62   679.3 6092.17  677.54 6428.92   679.2
 6564.77  680.56    6777  671.12 6937.51   666.4 7006.17  661.68 7053.43  661.68
 7198.47  664.97 7408.24  675.02 7468.97   674.2 7593.81  674.39 7944.25   666.4
 7990.44  668.07 8139.53  670.04 8422.21  653.29 8435.79  651.77 8602.33  642.22
 8736.09  641.56 8981.31  649.79 9149.84  648.96  9326.4  638.65 9505.97  635.23
 9645.07  622.71 9661.68  622.48 9748.18  613.04 9910.47  598.88 9965.76  598.88
10006.28  603.1810128.56  632.0110232.38  643.0410606.44  639.02   10759  632.11
10812.84  626.2511018.13  624.0411261.55  631.9911551.22  628.8812163.82  624.16
13574.67  624.1613806.88  618.88 14403.8  618.8814863.03   623.614920.99  628.32
15204.61  624.9215211.34  619.5515314.24   617.915950.03  596.39 16491.3  589.44
16560.86  583.81 16805.8  580.61   16869  575.0716968.45  567.6817418.09  567.68
17520.98  572.2317619.62  589.4417707.07  609.1717725.81  611.5617960.86  632.78
18394.76  638.4918823.94  640.3120905.97   636.421019.59   636.421245.88  637.09
21590.92  632.8722563.48  635.8422817.25  640.5624469.45  645.2824846.47  647.52
 25263.7  651.7225905.04  663.8126125.88  664.7227224.69  664.7227851.08  659.44
28121.07  659.4428687.02  654.7228921.38  651.9829090.51  650.8429228.55  646.81
29375.08  647.5429664.96   653.729982.16  656.4531064.81  676.2931719.72  678.71
32674.05  719.1932814.73  719.7133423.06  690.2733457.29   690.4 35028.5  738.44
36057.14   737.836251.83  740.3236598.77  756.8736639.64  757.5736941.91  757.51
37268.89  768.4337424.77  771.1238188.23     79038874.33  793.1439220.32     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 16491.3     .1517619.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       16491.317619.62                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.85    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                       Flow Area (sq ft)       1504901.00   209407.50   1762464.00
  E.G. Slope (ft/ft)      0.000083     Area (sq ft)            1504901.00   209407.50   1762464.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2906998.00   613149.60   3209852.00
  Top Width (ft)          35671.83     Top Width (ft)          15151.24    1128.32   19392.27
  Vel Total (ft/s)            1.94     Avg. Vel. (ft/s)            1.93       2.93       1.82
  Max Chl Dpth (ft)         192.17     Hydr. Depth (ft)           99.33     185.59      90.88
  Conv. Total (cfs)       739800700.0    Conv. (cfs)            319554100.0   67400970.0   352845600.0
  Length Wtd. (ft)            5.00     Wetted Per. (ft)        15163.82    1130.67   19398.99
  Min Ch El (ft)            567.68     Shear (lb/sq ft)            0.51       0.96       0.47
  Alpha                       1.06     Stream Power (lb/ft s)      0.99       2.80       0.85
  Frctn Loss (ft)             0.00     Cum Volume (acre-ft)    108772.60   19374.42   130688.40
  C & E Loss (ft)             0.00     Cum SA (acres)            975.18      92.77    1161.16


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275506.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  189.98  792.41   618.1   776.5  1302.2  761.46 1474.34  754.14
 1749.26  747.02 1910.48  745.27 2247.63  745.27 2569.47  743.99 3433.88  721.02
    3503  717.38 3590.85  714.73 3601.74  714.59 3795.86  717.44 3969.02  715.27
 4106.66  712.99 4254.44   708.9 4615.66  700.16 5055.91  692.98 5383.54  691.27
 5524.53  689.83 5677.94  684.33 5743.94  679.27 6093.57  677.51  6430.4  679.18
 6566.28  680.54 6778.56  671.08  6939.1  666.35 7007.78  661.62 7055.05  661.62
 7200.12  664.92 7409.94  674.97 7470.69  674.15 7595.55  674.36 7946.08   666.4
 7992.28  668.09 8141.41   670.1 8424.14  653.37 8437.73  651.86 8604.31  642.29
  8738.1  641.63 8983.38  649.88 9151.95  649.05 9328.55  638.72 9508.16  635.31
 9647.29   622.8 9663.91  622.57 9750.42  613.11 9912.75  598.92 9968.05  598.92
10008.58  603.2310130.89  632.0610234.73  643.1110608.88  639.0910761.47  632.17
10815.33  626.3211020.66  624.1211264.15  632.0411553.88  628.9212166.62  624.19
13577.79  624.1913810.05  618.9214407.11  618.9214866.45  623.6514924.43  628.38
15208.11  624.9715214.84  619.6215317.76  617.96 15953.7  596.4216495.09  589.46
16564.79  583.8216810.22  580.6316873.54  575.0816973.18  567.6817423.07  567.68
17526.13  572.2317624.94  589.4617712.38  609.1717731.11  611.5617966.14  632.74
18399.99  638.4618829.12  640.2720910.93  636.3521024.53  636.35 21250.8  637.04
 21595.8  632.8322568.25  635.81   22822  640.5424474.02  645.2724850.99  647.52
25268.17  651.7225909.44  663.8226130.26  664.7327228.94  664.7327855.27  659.46
28125.23  659.4628691.12  654.7328925.45  651.9829094.57  650.8429232.59   646.8
 29379.1  647.5229668.95  653.6929986.12  656.4431068.64  676.2631723.48  678.68
32677.71   719.132818.37  719.6233426.64  690.2533460.86  690.38 35031.9  738.35
36060.43  737.7336255.09  740.26   36602   756.836642.86   757.5 36945.1  757.46
37272.04  768.3837427.91  771.0838191.28     790 38877.3  793.1439223.25     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516495.09     .1517624.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16495.0917624.94                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.85    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                       Flow Area (sq ft)       1504921.00   209679.80   1762831.00
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  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1504921.00   209679.80   1762831.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2905919.00   613782.30   3210299.00
  Top Width (ft)          35676.41    Top Width (ft)          15154.95    1129.85   19391.62
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.93       2.93       1.82
  Max Chl Dpth (ft)         192.17    Hydr. Depth (ft)           99.30     185.58      90.91
  Conv. Total (cfs)       739971700.0    Conv. (cfs)             319509300.0   67486100.0   352976300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15167.52    1132.21   19398.32
  Min Ch El (ft)            567.68    Shear (lb/sq ft)            0.51       0.96       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.99       2.80       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    108599.90   19350.36   130486.10
  C & E Loss (ft)             0.00    Cum SA (acres)            973.44      92.64    1158.93


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275503.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  190.02   792.4  618.24  776.49  1302.5  761.46 1474.68  754.13
 1749.66  747.01 1910.92  745.26 2248.14  745.26 2570.06  743.97 3434.67  721.04
 3503.81  717.39 3591.68  714.74 3602.57   714.6 3796.73  717.43 3969.94  715.26
 4107.61  712.97 4255.42  708.88 4616.73  700.14 5057.07  692.96 5384.78  691.26
  5525.8  689.81 5679.24   684.3 5745.26  679.23 6094.97  677.47 6431.88  679.16
 6567.79  680.52 6780.12  671.04  6940.7   666.3 7009.39  661.56 7056.68  661.56
 7201.78  664.87 7411.65  674.91  7472.4  674.11  7597.3  674.33  7947.9  666.41
 7994.12   668.1 8143.28  670.16 8426.08  653.46 8439.67  651.95 8606.29  642.36
 8740.11   641.7 8985.44  649.98 9154.05  649.15 9330.69   638.8 9510.34  635.38
 9649.51  622.89 9666.13  622.66 9752.66  613.18 9915.03  598.96 9970.34  598.96
10010.89  603.2810133.22  632.1110237.09  643.1810611.31  639.1510763.95  632.24
10817.82   626.4 11023.2  624.1911266.74  632.0811556.53  628.9612169.42  624.22
13580.91  624.2213813.23  618.9614410.43  618.9614869.87   623.714927.86  628.44
15211.61  625.0215218.34  619.6815321.28  618.0215957.37  596.4416498.88  589.48
16568.72  583.8416814.63  580.6516878.08  575.0916977.92  567.6817428.05  567.68
17531.28  572.2217630.26  589.4817717.69  609.1617736.42  611.5517971.42  632.71
18405.22  638.4218834.31  640.2320915.88   636.321029.47   636.321255.71  636.99
21600.68  632.7922573.02  635.7822826.74  640.5224478.58  645.2624855.51  647.51
25272.65  651.7225913.85  663.8326134.64  664.74 27233.2  664.7427859.46  659.48
28129.39  659.4828695.21  654.7428929.52  651.9929098.62  650.8429236.62  646.78
29383.12  647.5129672.94  653.6929990.07  656.4431072.48  676.2331727.25  678.66
32681.37  719.0232822.01  719.5433430.21  690.2333464.43  690.36 35035.3  738.27
36063.71  737.6636258.35  740.1936605.22  756.7336646.08  757.4336948.28  757.41
37275.19  768.3437431.04  771.0438194.32     79038880.27  793.1539226.19     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516498.88     .1517630.26     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16498.8817630.26                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504966.00   209951.10   1763165.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1504966.00   209951.10   1763165.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2904939.00   614410.00   3210651.00
  Top Width (ft)          35680.73    Top Width (ft)          15158.47    1131.38   19390.88
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.93       2.93       1.82
  Max Chl Dpth (ft)         192.17    Hydr. Depth (ft)           99.28     185.57      90.93
  Conv. Total (cfs)       740143400.0    Conv. (cfs)             319475600.0   67570800.0   353096900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15171.05    1133.74   19397.58
  Min Ch El (ft)            567.68    Shear (lb/sq ft)            0.51       0.96       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.99       2.80       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    108427.10   19326.28   130283.80
  C & E Loss (ft)             0.00    Cum SA (acres)            971.70      92.51    1156.71


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275500.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  190.07   792.4  618.38  776.47  1302.8  761.46 1475.01  754.13
 1750.06  747.01 1911.36  745.25 2248.66  745.25 2570.65  743.96 3435.45  721.06
 3504.62  717.41  3592.5  714.75  3603.4  714.61  3797.6  717.43 3970.85  715.25
 4108.55  712.96 4256.39  708.87 4617.79  700.12 5058.23  692.95 5386.02  691.24
 5527.07  689.79 5680.55  684.27 5746.58  679.19 6096.37  677.44 6433.36  679.13
  6569.3   680.5 6781.68     671  6942.3  666.25    7011   661.5  7058.3   661.5
 7203.43  664.82 7413.35  674.86 7474.12  674.06 7599.05  674.31 7949.73  666.42
 7995.96  668.12 8145.15  670.21 8428.02  653.55 8441.61  652.03 8608.27  642.43
 8742.12  641.78 8987.51  650.07 9156.16  649.25 9332.84  638.88 9512.53  635.46
 9651.72  622.99 9668.35  622.75 9754.91  613.25 9917.31     599 9972.63     599
10013.19  603.3310135.55  632.1510239.44  643.2510613.75  639.2110766.42  632.31
 10820.3  626.4811025.73  624.2611269.33  632.1311559.19     62912172.22  624.25
13584.03  624.25 13816.4     61914413.74     61914873.29  623.7514931.29   628.5
 15215.1  625.0715221.84  619.74 15324.8  618.0815961.03  596.4716502.68   589.5
16572.65  583.8516819.04  580.6716882.61   575.116982.65  567.6817433.03  567.68
17536.43  572.2217635.57   589.517722.99  609.1617741.72  611.55 17976.7  632.67
18410.45  638.3918839.49  640.1920920.83  636.2521034.41  636.2521260.63  636.95
21605.56  632.7622577.79  635.7522831.49   640.524483.14  645.2524860.03   647.5
25277.12  651.7125918.25  663.8426139.02  664.7527237.46  664.7527863.65   659.5
28133.54   659.528699.31  654.7528933.59  651.9929102.67  650.8429240.66  646.77
29387.14   647.529676.93  653.6829994.02  656.4331076.31   676.231731.01  678.63
32685.02  718.9332825.65  719.4533433.79  690.21   33468  690.34 35038.7  738.18
   36067  737.5936261.61  740.1336608.44  756.66 36649.3  757.3736951.47  757.36
37278.34  768.2937434.17     77138197.38     79038883.25  793.1639229.12     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516502.68     .1517635.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
```

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      16502.6817635.57                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504981.00   210220.00   1763529.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1504981.00   210220.00   1763529.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2903877.00   615033.30   3211090.00
  Top Width (ft)          35685.08    Top Width (ft)          15161.95    1132.89   19390.23
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.93       2.93       1.82
  Max Chl Dpth (ft)         192.17    Hydr. Depth (ft)           99.26     185.56      90.95
  Conv. Total (cfs)       740313700.0    Conv. (cfs)            319432400.0   67654900.0   353226400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15174.53    1135.25   19396.91
  Min Ch El (ft)            567.68    Shear (lb/sq ft)            0.51       0.96       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.99       2.80       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    108254.40   19302.16   130081.40
  C & E Loss (ft)             0.00    Cum SA (acres)            969.96      92.38    1154.48


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275498.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  190.11  792.39  618.52  776.46  1303.1  761.46 1475.35  754.12
 1750.46     747  1911.8  745.24 2249.18  745.24 2571.24  743.95 3436.24  721.07
 3505.42  717.42 3593.33  714.76 3604.23  714.62 3798.48  717.42 3971.76  715.24
 4109.49  712.94 4257.37  708.85 4618.85   700.1 5059.39  692.93 5387.25  691.22
 5528.34  689.77 5681.85  684.25  5747.9  679.16 6097.77  677.41 6434.84  679.11
 6570.81  680.48 6783.24  670.96 6943.89   666.2 7012.62  661.44 7059.92  661.44
 7205.09  664.76 7415.05  674.81 7475.84  674.01 7600.79  674.28 7951.56  666.42
 7997.79  668.14 8147.02  670.27 8429.96  653.64 8443.55  652.12 8610.25   642.5
 8744.13  641.85 8989.57  650.17 9158.26  649.34 9334.98  638.96 9514.71  635.53
 9653.94  623.08 9670.57  622.84 9757.15  613.32 9919.59  599.04 9974.93  599.04
10015.49  603.3810137.88   632.210241.79  643.3210616.19  639.27 10768.9  632.38
10822.79  626.5511028.27  624.3311271.92  632.1811561.85  629.0412175.02  624.28
13587.16  624.2813819.58  619.0414417.05  619.0414876.71   623.814934.72  628.56
 15218.6  625.1315225.34  619.8115328.33  618.14 15964.7   596.516506.47  589.52
16576.58  583.8616823.46  580.6816887.15  575.1116987.38  567.68   17438  567.68
17541.58  572.2117640.89  589.52 17728.3  609.1617747.03  611.5517981.98  632.63
18415.68  638.3518844.68  640.1520925.79   636.221039.35   636.221265.55   636.9
21610.44  632.7222582.57  635.7222836.23  640.48 24487.7  645.2424864.55   647.5
 25281.6  651.7125922.65  663.8626143.39  664.7627241.72  664.7627867.84  659.52
28137.71  659.5228703.41  654.7628937.66     65229106.72  650.84 29244.7  646.76
29391.17  647.4829680.92  653.6729997.98  656.4231080.15  676.1731734.77  678.61
32688.68  718.8432829.29  719.3733437.36  690.1933471.57  690.3235042.09  738.09
36070.28  737.5136264.88  740.0736611.67  756.5936652.52   757.336954.66  757.32
37281.49  768.25 37437.3  770.9638200.42     79038886.22  793.1639232.06     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516506.47    .1517640.89     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16506.4717640.89                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505015.00   210494.40   1763887.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1505015.00   210494.40   1763887.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2902829.00   615668.40   3211502.00
  Top Width (ft)          35689.18    Top Width (ft)          15165.48    1134.42   19389.28
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.93       2.92       1.82
  Max Chl Dpth (ft)         192.17    Hydr. Depth (ft)           99.24     185.55      90.97
  Conv. Total (cfs)       740493500.0    Conv. (cfs)            319394700.0   67741230.0   353357600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15178.05    1136.78   19395.95
  Min Ch El (ft)            567.68    Shear (lb/sq ft)            0.51       0.95       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.99       2.79       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    108081.60   19278.02   129878.90
  C & E Loss (ft)             0.00    Cum SA (acres)            968.22      92.25    1152.26


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275495.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  190.15  792.39  618.67  776.45 1303.39  761.45 1475.69  754.11
 1750.87  746.99 1912.24  745.23 2249.69  745.23 2571.83  743.94 3437.03  721.09
 3506.23  717.44 3594.16  714.77 3605.06  714.63 3799.35  717.41 3972.68  715.23
 4110.44  712.93 4258.35  708.83 4619.91  700.08 5060.56  692.92 5388.49   691.2
 5529.61  689.76 5683.16  684.22 5749.22  679.12 6099.17  677.37 6436.32  679.09
 6572.32  680.46 6784.79  670.92 6945.49  666.15 7014.23  661.38 7061.54  661.38
 7206.74  664.71 7416.76  674.76 7477.56  673.97 7602.54  674.25 7953.39  666.43
 7999.63  668.15  8148.9  670.33 8431.89  653.73 8445.49  652.21 8612.22  642.58
 8746.14  641.92 8991.64  650.26 9160.37  649.44 9337.13  639.04  9516.9  635.61
 9656.16  623.17  9672.8  622.93 9759.39  613.39 9921.87  599.08 9977.22  599.08
10017.79  603.43 10140.2  632.2510244.15  643.3910618.63  639.3310771.37  632.45
10825.28  626.63 11030.8   624.411274.51  632.22 11564.5  629.0812177.81  624.31
13590.28  624.3113822.75  619.0814420.37  619.0814880.12  623.8514938.15  628.62
 15222.1  625.1815228.84  619.8715331.85   618.215968.37  596.5216510.26  589.54
16580.51  583.8716827.87   580.716891.69  575.1116992.12  567.6817442.98  567.68
17546.74  572.2117646.21  589.5417733.61  609.1617752.33  611.5417987.26   632.6
18420.91  638.3218849.86   640.120930.74  636.15 21044.3  636.1521270.46  636.85
21615.32  632.6922587.34  635.6922840.97  640.4624492.26  645.2324869.07  647.49
25286.07  651.7125927.06  663.8726147.77  664.7727245.97  664.7727872.03  659.54
28141.86  659.54 28707.5  654.7728941.73     65229110.77  650.8329248.74  646.74
29395.19  647.47 29684.9  653.6730001.93  656.4131083.98  676.1431738.53  678.59
32692.34  718.7632832.93  719.2833440.94  690.1733475.14   690.335045.49     738
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36073.56  737.4436268.14  740.0136614.89  756.5236655.74  757.2336957.84  757.27
37284.64   768.237440.44  770.9238203.47     790 38889.2  793.17   39235     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516510.26     .1517646.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16510.2617646.21                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.84    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505045.00   210767.50   1764246.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1505045.00   210767.50   1764246.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2901778.00   616302.80   3211919.00
  Top Width (ft)          35693.75    Top Width (ft)          15169.19    1135.95   19388.61
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.93       2.92       1.82
  Max Chl Dpth (ft)         192.16    Hydr. Depth (ft)           99.22     185.54      90.99
  Conv. Total (cfs)       740665900.0    Conv. (cfs)             319353300.0   67826820.0   353485700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15181.77    1138.32   19395.27
  Min Ch El (ft)            567.68    Shear (lb/sq ft)            0.51       0.95       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.99       2.79       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    107908.90   19253.84   129676.40
  C & E Loss (ft)             0.00    Cum SA (acres)            966.48      92.12    1150.03


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275492.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   190.2  792.39  618.81  776.44 1303.69  761.45 1476.03   754.1
 1751.27  746.99 1912.68  745.22 2250.21  745.22 2572.42  743.92 3437.82  721.11
 3507.03  717.46 3594.98  714.78 3605.88  714.64 3800.22  717.41 3973.59  715.22
 4111.38  712.91 4259.33  708.81 4620.97  700.06 5061.72   692.9 5389.73  691.18
 5530.88  689.74 5684.46  684.19 5750.54  679.08 6100.57  677.34  6437.8  679.07
 6573.83  680.44 6786.35  670.88 6947.08   666.1 7015.84  661.32 7063.16  661.32
  7208.4  664.66 7418.46   674.7 7479.28  673.92 7604.29  674.22 7955.21  666.44
 8001.47  668.17 8150.77  670.38 8433.83  653.82 8447.43   652.3  8614.2  642.65
 8748.14     642  8993.7  650.36 9162.47  649.54 9339.27  639.12 9519.09  635.68
 9658.38  623.26 9675.02  623.02 9761.63  613.46 9924.15  599.12 9979.51  599.12
10020.09  603.4810142.53  632.29 10246.5  643.4610621.07  639.3910773.84  632.51
10827.76  626.7111033.33  624.48 11277.1  632.2711567.16  629.1212180.61  624.34
 13593.4  624.3413825.93  619.1214423.68  619.1214883.54   623.914941.58  628.68
 15225.6  625.2315232.34  619.9315335.37  618.2615972.04  596.5516514.05  589.56
16584.44  583.8816832.29  580.7216896.23  575.1216996.85  567.6717447.96  567.67
17551.89  572.2117651.53  589.5617738.92  609.1617757.64  611.5417992.54  632.56
18426.14  638.2818855.04  640.06 20935.7   636.121049.24   636.121275.38   636.8
 21620.2  632.6522592.11  635.6622845.72  640.4424496.82  645.2224873.59  647.49
25290.54   651.725931.46  663.8826152.15  664.7827250.23  664.7827876.21  659.56
28146.02  659.56 28711.6  654.78 28945.8     65229114.83  650.8329252.77  646.73
29399.21  647.4529688.89  653.6630005.88  656.4131087.82  676.1131742.29  678.56
32695.99  718.6732836.57   719.233444.51  690.1533478.71  690.2835048.89  737.91
36076.85  737.37 36271.4  739.9436618.11  756.4536658.96  757.1636961.03  757.22
37287.79  768.1637443.57  770.8838206.52     79038892.17  793.1839237.93     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516514.05     .1517651.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16514.0517651.53                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.84    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505075.00   211044.50   1764615.00
  E.G. Slope (ft/ft)      0.000083    Area (sq ft)            1505075.00   211044.50   1764615.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2900716.00   616949.40   3212335.00
  Top Width (ft)          35698.08    Top Width (ft)          15172.71    1137.48   19387.89
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.93       2.92       1.82
  Max Chl Dpth (ft)         192.17    Hydr. Depth (ft)           99.20     185.54      91.02
  Conv. Total (cfs)       740847200.0    Conv. (cfs)             319314600.0   67914600.0   353618000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15185.29    1139.85   19394.53
  Min Ch El (ft)            567.67    Shear (lb/sq ft)            0.51       0.95       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.98       2.79       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    107736.10   19229.63   129473.90
  C & E Loss (ft)             0.00    Cum SA (acres)            964.74      91.99    1147.80


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275489.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  190.24  792.38  618.95  776.43 1303.99  761.45 1476.37  754.09
 1751.67  746.98 1913.12  745.21 2250.73  745.21 2573.01  743.91 3438.61  721.12
 3507.84  717.47 3595.81  714.79 3606.71  714.65 3801.09   717.4  3974.5  715.21
 4112.33   712.9 4260.31   708.8 4622.03  700.04 5062.88  692.89 5390.97  691.16
 5532.15  689.72 5685.77  684.16 5751.86  679.05 6101.98  677.31 6439.27  679.04
 6575.34  680.42 6787.91  670.84 6948.68  666.05 7017.45  661.26 7064.79  661.26
 7210.06   664.6 7420.17  674.65 7480.99  673.88 7606.03   674.2 7957.04  666.44
 8003.31  668.19 8152.64  670.44 8435.77   653.9 8449.37  652.39 8616.18  642.72
 8750.15  642.07 8995.77  650.45 9164.57  649.63 9341.42  639.19 9521.27  635.75
  9660.6  623.35 9677.24  623.11 9763.88  613.53 9926.43  599.16  9981.8  599.16
10022.39  603.5310144.86  632.3410248.85  643.5310623.51  639.4510776.32  632.58
10830.25  626.7911035.87  624.5511279.69  632.3211569.82  629.1612183.41  624.37
13596.52  624.37 13829.1  619.1614426.99  619.1614886.96  623.9514945.02  628.74
15229.09  625.2915235.83  619.9915338.89  618.3215975.71  596.5716517.85  589.58
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16588.37  583.89 16836.7  580.7416900.77  575.1317001.59  567.6717452.94  567.67
17557.04   572.217656.84  589.5817744.22  609.1517762.94  611.5417997.82  632.52
18431.38  638.2518860.23  640.0220940.65  636.0521054.18  636.05 21280.3  636.75
21625.07  632.6122596.88  635.6322850.46  640.4224501.38  645.2124878.11  647.48
25295.02   651.725935.86  663.8926156.53  664.7927254.49  664.79 27880.4  659.58
28150.18  659.58 28715.7  654.7928949.87  652.0129118.88  650.8329256.81  646.72
29403.23  647.4429692.88  653.6530009.84   656.431091.65  676.0831746.06  678.54
32699.65  718.5832840.21  719.1133448.09  690.1333482.28  690.2635052.28  737.83
36080.13   737.336274.66  739.8836621.34  756.3836662.18  757.0936964.21  757.17
37290.94  768.11 37446.7  770.8438209.57     79038895.14  793.1839240.86     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516517.85     .1517656.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16517.8517656.84                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.84    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505112.00   211314.20   1764963.00
  E.G. Slope (ft/ft)      0.000082    Area (sq ft)            1505112.00   211314.20   1764963.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2899709.00   617573.30   3212718.00
  Top Width (ft)          35702.46    Top Width (ft)          15176.24    1138.99   19387.23
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.93       2.92       1.82
  Max Chl Dpth (ft)         192.17    Hydr. Depth (ft)           99.18     185.53      91.04
  Conv. Total (cfs)       741019400.0    Conv. (cfs)             319278000.0   67999070.0   353742400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15188.83    1141.36   19393.86
  Min Ch El (ft)            567.67    Shear (lb/sq ft)            0.51       0.95       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.98       2.79       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    107563.40   19205.39   129271.30
  C & E Loss (ft)             0.00    Cum SA (acres)            962.99      91.86    1145.58


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275486.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  190.28  792.38  619.09  776.41 1304.29  761.44 1476.71  754.09
 1752.07  746.97 1913.56   745.2 2251.25   745.2  2573.6   743.9  3439.4  721.14
 3508.64  717.49 3596.63   714.8 3607.54  714.66 3801.97   717.4 3975.41   715.2
 4113.27  712.89 4261.29  708.78 4623.09  700.02 5064.04  692.87 5392.21  691.14
 5533.42   689.7 5687.07  684.14 5753.18  679.01 6103.38  677.27 6440.75  679.02
 6576.85   680.4 6789.47   670.8 6950.27     666 7019.06   661.2 7066.41   661.2
 7211.71  664.55 7421.87   674.6 7482.71  673.83 7607.78  674.17 7958.87  666.45
 8005.15  668.21 8154.51   670.5  8437.7  653.99 8451.31  652.48 8618.16  642.79
 8752.16  642.14 8997.83  650.55 9166.68  649.73 9343.56  639.27 9523.46  635.83
 9662.82  623.44 9679.46   623.2 9766.12   613.6 9928.71   599.2 9984.09   599.2
10024.69  603.5810147.19  632.3910251.21   643.610625.95  639.5210778.79  632.65
10832.74  626.86 11038.4  624.6211282.28  632.3611572.47   629.212186.21   624.4
13599.64   624.413832.28   619.2 14430.3   619.214890.38     62414948.45   628.8
15232.59  625.3415239.33  620.0615342.42  618.3815979.38   596.616521.64   589.6
 16592.3  583.9116841.11  580.76 16905.3  575.1417006.32  567.6717457.92  567.67
17562.19   572.217662.16   589.617749.53  609.1517768.25  611.54 18003.1  632.49
18436.61  638.2118865.41  639.9820945.61     63621059.12     63621285.22   636.7
21629.95  632.5822601.65   635.622855.21   640.424505.95   645.224882.63  647.48
25299.49   651.725940.27   663.926160.91   664.827258.75   664.827884.59   659.6
28154.34   659.628719.79   654.828953.94  652.0129122.93  650.8329260.85  646.71
29407.25  647.4229696.87  653.6530013.79  656.3931095.48  676.0631749.82  678.51
 32703.3   718.532843.86  719.0333451.66  690.1133485.85  690.2435055.68  737.74
36083.41  737.2336277.93  739.8236624.56   756.3 36665.4  757.02 36967.4  757.13
37294.09  768.0637449.84   770.838212.62     79038898.11  793.19 39243.8     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516521.64     .1517662.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16521.6417662.16                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.84    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505134.00   211584.40   1765303.00
  E.G. Slope (ft/ft)      0.000082    Area (sq ft)            1505134.00   211584.40   1765303.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2898669.00   618199.40   3213133.00
  Top Width (ft)          35706.77    Top Width (ft)          15179.90    1140.52   19386.34
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.93       2.92       1.82
  Max Chl Dpth (ft)         192.17    Hydr. Depth (ft)           99.15     185.52      91.06
  Conv. Total (cfs)       741185000.0    Conv. (cfs)             319234700.0   68083220.0   353867100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15192.49    1142.89   19392.96
  Min Ch El (ft)            567.67    Shear (lb/sq ft)            0.51       0.95       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.98       2.78       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    107390.60   19181.12   129068.70
  C & E Loss (ft)             0.00    Cum SA (acres)            961.25      91.73    1143.35


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275483.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  190.33  792.37  619.23   776.4 1304.59  761.44 1477.05  754.08
 1752.48  746.97    1914  745.19 2251.76  745.19  2574.2  743.89 3440.19  721.16
 3509.45   717.5 3597.46  714.81 3608.37  714.67 3802.84  717.39 3976.33  715.19
 4114.22  712.87 4262.26  708.76 4624.15     700 5065.21  692.86 5393.44  691.13
 5534.69  689.68 5688.38  684.11  5754.5  678.97 6104.78  677.24 6442.23     679
 6578.36  680.38 6791.03  670.76 6951.87  665.95 7020.67  661.14 7068.03  661.14
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 7213.37   664.5 7423.57  674.54 7484.43  673.78 7609.53  674.14 7960.69  666.46
 8006.98  668.22 8156.38  670.55 8439.64  654.08 8453.25  652.56 8620.14  642.86
 8754.17  642.21  8999.9  650.64 9168.78  649.83 9345.71  639.35 9525.65   635.9
 9665.03  623.53 9681.68  623.29 9768.36  613.67 9930.99  599.24 9986.39  599.24
   10027  603.6310149.52  632.4310253.56  643.6710628.39  639.5810781.27  632.72
10835.23  626.9411040.94  624.6911284.87  632.4111575.13  629.24   12189  624.43
13602.77  624.4313835.46  619.2414433.62  619.24 14893.8  624.0514951.88  628.86
15236.09  625.3915242.83  620.1215345.94  618.4415983.04  596.6216525.43  589.62
16596.23  583.9216845.52  580.7716909.84  575.1517011.05  567.67 17462.9  567.67
17567.34  572.1917667.48  589.6217754.84  609.1517773.55  611.5318008.38  632.45
18441.84  638.18 18870.6  639.9420950.56  635.9521064.06  635.9521290.13  636.66
21634.83  632.5422606.43  635.5722859.95  640.3824510.51  645.1924887.15  647.47
25303.96  651.6925944.67  663.9126165.29  664.8127263.01  664.8127888.78  659.62
 28158.5  659.6228723.89  654.8128958.01  652.0229126.98  650.8329264.88  646.69
29411.27  647.4129700.86  653.6430017.74  656.3831099.32  676.0331753.58  678.49
32706.96  718.41 32847.5  718.9433455.23  690.0933489.42  690.2235059.08  737.65
 36086.7  737.1636281.19  739.7536627.79  756.2336668.62  756.9536970.59  757.08
37297.24  768.0237452.97  770.7638215.67     79038901.09   793.239246.73     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516525.43     .1517667.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16525.4317667.48                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.84    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505168.00   211859.20   1765671.00
  E.G. Slope (ft/ft)      0.000082    Area (sq ft)            1505168.00   211859.20   1765671.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2897621.00   618833.60   3213546.00
  Top Width (ft)          35711.09    Top Width (ft)          15183.42    1142.05   19385.61
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.93       2.92       1.82
  Max Chl Dpth (ft)         192.17    Hydr. Depth (ft)           99.13     185.51      91.08
  Conv. Total (cfs)       741365800.0    Conv. (cfs)            319197200.0   68169700.0   353998900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15196.01    1144.42   19392.21
  Min Ch El (ft)            567.67    Shear (lb/sq ft)            0.51       0.95       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.98       2.78       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    107217.80   19156.82   128866.10
  C & E Loss (ft)             0.00    Cum SA (acres)            959.51      91.59    1141.13


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275480.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  190.37  792.37  619.38  776.39 1304.89  761.44 1477.39  754.07
 1752.88  746.96 1914.44  745.18 2252.28  745.18 2574.79  743.87 3440.98  721.17
 3510.25  717.52 3598.28  714.82  3609.2  714.68 3803.71  717.39 3977.24  715.18
 4115.16  712.86 4263.24  708.75 4625.22  699.98 5066.37  692.85 5394.68  691.11
 5535.96  689.66 5689.69  684.08 5755.82  678.94 6106.18  677.21 6443.71  678.97
 6579.87  680.36 6792.59  670.72 6953.46   665.9 7022.28  661.08 7069.65  661.08
 7215.02  664.44 7425.28  674.49 7486.15  673.74 7611.27  674.12 7962.52  666.46
 8008.82  668.24 8158.26  670.61 8441.58  654.17 8455.19  652.65 8622.12  642.93
 8756.18  642.29 9001.97  650.74 9170.89  649.92 9347.85  639.43 9527.83  635.98
 9667.25  623.62 9683.91  623.38  9770.6  613.74 9933.27  599.28 9988.68  599.28
 10029.3  603.6810151.85  632.4810255.91  643.7410630.83  639.6410783.74  632.79
10837.71  627.0211043.47  624.7611287.46  632.4611577.79  629.28 12191.8  624.46
13605.89  624.4613838.63  619.2814436.93  619.2814897.22   624.114955.31  628.92
15239.58  625.4415246.33  620.1815349.46   618.515986.71  596.6516529.23  589.64
16600.16  583.9316849.94  580.7916914.38  575.1617015.79  567.6717467.88  567.67
17572.49  572.1917672.79  589.6417760.15  609.1517778.86  611.5318013.66  632.41
18447.07  638.1418875.78   639.920955.52   635.921069.01   635.921295.05  636.61
21639.71   632.5 22611.2  635.5422864.69  640.3624515.07  645.1824891.67  647.47
25308.44  651.6925949.07  663.9326169.67  664.8227267.26  664.8227892.97  659.64
28162.66  659.6428727.99  654.8228962.08  652.0229131.04  650.8329268.92  646.68
29415.29   647.429704.85  653.63 30021.7  656.3831103.15     67631757.34  678.47
32710.62  718.3232851.14  718.8633458.81  690.0733492.99   690.235062.47  737.56
36089.98  737.0836284.45  739.6936631.01  756.1636671.84  756.8836973.77  757.03
37300.39  767.9737456.11  770.7238218.71     79038904.06   793.239249.67     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516529.23     .1517672.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16529.2317672.79                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.84    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505196.00   212127.10   1766026.00
  E.G. Slope (ft/ft)      0.000082    Area (sq ft)            1505196.00   212127.10   1766026.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2896594.00   619451.10   3213955.00
  Top Width (ft)          35715.48    Top Width (ft)          15186.96    1143.56   19384.96
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.92       2.92       1.82
  Max Chl Dpth (ft)         192.17    Hydr. Depth (ft)           99.11     185.50      91.10
  Conv. Total (cfs)       741536500.0    Conv. (cfs)            319157500.0   68253430.0   354125500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15199.54    1145.93   19391.54
  Min Ch El (ft)            567.67    Shear (lb/sq ft)            0.51       0.95       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.98       2.78       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    107045.10   19132.48   128663.40
  C & E Loss (ft)             0.00    Cum SA (acres)            957.77      91.46    1138.90


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275477.*

INPUT
Description:
```

```
Station Elevation Data     num=      120
      Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev
        0      800  190.41   792.36  619.52   776.38 1305.19   761.44 1477.73   754.06
 1753.28   746.96 1914.88   745.17  2252.8   745.17 2575.38   743.86 3441.77   721.19
 3511.06   717.53 3599.11   714.83 3610.03   714.69 3804.58   717.38 3978.15   715.17
  4116.1   712.84 4264.22   708.73 4626.28   699.97 5067.53   692.83 5395.92   691.09
 5537.23   689.64 5690.99   684.06 5757.15    678.9 6107.58   677.17 6445.19   678.95
 6581.38   680.34 6794.15   670.68 6955.06   665.85  7023.9   661.02 7071.28   661.02
 7216.68   664.39 7426.98   674.44 7487.86   673.69 7613.02   674.09 7964.35   666.47
 8010.66   668.26 8160.13   670.67 8443.51   654.26 8457.13   652.74  8624.1   643.01
 8758.19   642.36 9004.03   650.83 9172.99   650.02    9350   639.51 9530.02   636.05
 9669.47   623.71 9686.13   623.47 9772.84   613.81 9935.55   599.32 9990.97   599.32
 10031.6  603.7210154.18   632.5310258.27   643.8110633.27    639.710786.22   632.85
 10840.2   627.09   11046   624.8411290.05    632.511580.44   629.32 12194.6   624.49
13609.01  624.4913841.81   619.3214440.24   619.3214900.64   624.1514958.74   628.98
15243.08   625.515249.83   620.2415352.98   618.5615990.38   596.6816533.02   589.66
16604.09  583.9416854.35   580.8116918.92   575.1717020.52   567.6717472.86   567.67
17577.64  572.1817678.11   589.6617765.45   609.1517784.16   611.5318018.94   632.38
 18452.3  638.1118880.97   639.8520960.47   635.8521073.95   635.8521299.97   636.56
21644.59  632.4722615.97   635.5122869.44   640.3424519.63   645.1724896.19   647.46
25312.91  651.6925953.48   663.9426174.05   664.8327271.52   664.8327897.16   659.66
28166.82  659.6628732.08   654.8328966.15   652.0229135.09   650.8229272.96   646.67
29419.31  647.3829708.84   653.6230025.65   656.3731106.99   675.97 31761.1   678.44
32714.28  718.2432854.78   718.7733462.38   690.0533496.56   690.1835065.87   737.47
36093.27  737.0136287.71   739.6336634.23   756.0936675.06   756.8236976.96   756.98
37303.54  767.9337459.24   770.6838221.77      79038907.03   793.2139252.61      800

Manning's n Values         num=        3
      Sta    n Val     Sta    n Val     Sta    n Val
        0     .1516533.02     .1517678.11     .15

Bank Sta: Left   Right     Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16533.0217678.11                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.84    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505222.00   212400.30   1766395.00
  E.G. Slope (ft/ft)      0.000082    Area (sq ft)            1505222.00   212400.30   1766395.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2895534.00   620078.90   3214387.00
  Top Width (ft)          35719.79    Top Width (ft)          15190.48    1145.09   19384.22
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.92       2.92       1.82
  Max Chl Dpth (ft)         192.17    Hydr. Depth (ft)           99.09     185.49      91.13
  Conv. Total (cfs)       741714400.0    Conv. (cfs)             319117200.0   68339000.0   354258100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15203.08    1147.47   19390.79
  Min Ch El (ft)            567.67    Shear (lb/sq ft)            0.51       0.95       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.98       2.78       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    106872.30   19108.12   128460.60
  C & E Loss (ft)             0.00    Cum SA (acres)            956.02      91.33    1136.68


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS        RS: 275474.*

INPUT
Description:
Station Elevation Data     num=      120
      Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev
        0      800  190.46   792.36  619.66   776.36 1305.49   761.43 1478.07   754.05
 1753.68   746.95 1915.32   745.16 2253.31   745.16 2575.97   743.85 3442.56   721.21
 3511.86   717.55 3599.94   714.84 3610.85    714.7 3805.46   717.38 3979.06   715.16
 4117.05   712.83  4265.2   708.71 4627.34   699.95 5068.69   692.82 5397.16   691.07
  5538.5   689.63  5692.3   684.03 5758.47   678.86 6108.98   677.14 6446.67   678.93
 6582.89   680.32 6795.71   670.64 6956.66    665.8 7025.51   660.96  7072.9   660.96
 7218.33   664.34 7428.69   674.39 7489.58   673.65 7614.77   674.06 7966.18   666.48
  8012.5   668.27    8162   670.72 8445.45   654.35 8459.07   652.83 8626.07   643.08
  8760.2   642.43  9006.1   650.93  9175.1   650.12 9352.14   639.59 9532.21   636.13
 9671.69    623.8 9688.35   623.56 9775.08   613.88 9937.83   599.36 9993.26   599.36
 10033.9  603.7710156.51   632.5710260.62   643.8810635.71   639.7610788.69   632.92
10842.69  627.1711048.54   624.9111292.64   632.55 11583.1   629.36 12197.4   624.52
13612.13  624.5213844.98   619.3614443.56   619.3614904.05    624.214962.18   629.04
15246.58  625.5515253.33   620.3115356.51   618.6315994.05    596.716536.81   589.68
16608.02  583.9516858.76   580.8316923.46   575.1817025.26   567.6717477.84   567.67
 17582.8  572.1817683.43   589.6817770.76   609.1517789.47   611.5218024.21   632.34
18457.54  638.0718886.15   639.8120965.43    635.821078.89    635.821304.88   636.51
21649.47  632.4322620.74   635.4822874.18   640.3224524.19   645.1624900.71   647.46
25317.39  651.6825957.88   663.9526178.43   664.8427275.78   664.8427901.35   659.68
28170.98  659.6828736.18   654.8428970.22   652.0329139.14   650.8229276.99   646.65
29423.33  647.3729712.83   653.6230029.61   656.3631110.82   675.9431764.87   678.42
32717.93  718.1532858.42   718.6833465.96   690.0333500.13   690.1635069.27   737.39
36096.55  736.9436290.98   739.5636637.46   756.0236678.28   756.7536980.14   756.94
37306.69  767.8837462.37   770.6438224.81      790   38910   793.2239255.54      800

Manning's n Values         num=        3
      Sta    n Val     Sta    n Val     Sta    n Val
        0     .1516536.81     .1517683.43     .15

Bank Sta: Left   Right     Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16536.8117683.43                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.84    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505243.00   212672.00   1766747.00
  E.G. Slope (ft/ft)      0.000082    Area (sq ft)            1505243.00   212672.00   1766747.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2894471.00   620708.10   3214822.00
  Top Width (ft)          35724.14    Top Width (ft)          15194.19    1146.62   19383.34
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.92       2.92       1.82
  Max Chl Dpth (ft)         192.17    Hydr. Depth (ft)           99.07     185.48      91.15
  Conv. Total (cfs)       741883800.0    Conv. (cfs)             319072900.0   68423960.0   354386900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15206.78    1149.00   19389.89
  Min Ch El (ft)            567.67    Shear (lb/sq ft)            0.51       0.95       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.98       2.78       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    106699.50   19083.72   128257.90
  C & E Loss (ft)             0.00    Cum SA (acres)            954.28      91.20    1134.45
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CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275471.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   190.5  792.35   619.8  776.35 1305.79  761.43  1478.4  754.05
 1754.08  746.94 1915.76  745.15 2253.83  745.15 2576.56  743.83 3443.35  721.23
 3512.67  717.56 3600.76  714.85 3611.68  714.71 3806.33  717.37 3979.98  715.15
 4117.99  712.81 4266.18   708.7  4628.4  699.93 5069.86   692.8  5398.4  691.05
 5539.77  689.61  5693.6     684 5759.79  678.83 6110.38  677.11 6448.15  678.91
  6584.4   680.3 6797.26   670.6 6958.25  665.75 7027.12   660.9 7074.52   660.9
 7219.99  664.29 7430.39  674.33  7491.3   673.6 7616.51  674.03    7968  666.48
 8014.33  668.29 8163.87  670.78 8447.39  654.44 8461.01  652.92 8628.05  643.15
 8762.21   642.5 9008.16  651.02  9177.2  650.21 9354.29  639.66 9534.39   636.2
 9673.91  623.89 9690.57  623.65 9777.33  613.95  9940.1   599.4 9995.56   599.4
 10036.2  603.8210158.84  632.6210262.97  643.9510638.15  639.8210791.17  632.99
10845.17  627.2511051.07  624.9811295.23   632.611585.76   629.412200.19  624.55
13615.25  624.5513848.16   619.414446.87   619.414907.47  624.2514965.61   629.1
15250.08   625.615256.83  620.3715360.03  618.6915997.72  596.7316540.61   589.7
16611.95  583.9616863.18  580.8416927.99  575.1917029.99  567.6717482.81  567.67
17587.95  572.1817688.74   589.717776.07  609.1417794.78  611.5218029.49   632.3
18462.77  638.0418891.33  639.7720970.38  635.7521083.83  635.75 21309.8  636.46
21654.35  632.3922625.51  635.4522878.92   640.324528.76  645.1524905.23  647.45
25321.86  651.6825962.28  663.96 26182.8  664.8527280.04  664.8527905.54   659.7
28175.13   659.728740.28  654.8528974.29  652.0329143.19  650.8229281.03  646.64
29427.35  647.3529716.81  653.6130033.56  656.3531114.66  675.9131768.63   678.4
32721.59  718.0732862.07   718.633469.53   690.01 33503.7  690.1435072.67   737.3
36099.84  736.8736294.24   739.536640.68  755.95 36681.5  756.6836983.33  756.89
37309.84  767.84 37465.5   770.638227.86     79038912.98  793.2239258.48     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516540.61     .1517688.74     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16540.6117688.74                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.84    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505279.00   212942.20   1767104.00
  E.G. Slope (ft/ft)      0.000082    Area (sq ft)            1505279.00   212942.20   1767104.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2893453.00   621329.20   3215218.00
  Top Width (ft)          35728.41    Top Width (ft)          15197.67    1148.13   19382.60
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.92       2.92       1.82
  Max Chl Dpth (ft)         192.17    Hydr. Depth (ft)           99.05     185.47      91.17
  Conv. Total (cfs)       742060900.0    Conv. (cfs)            319036900.0   68508780.0   354515300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15210.27    1150.51   19389.15
  Min Ch El (ft)            567.67    Shear (lb/sq ft)            0.51       0.95       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.98       2.77       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    106526.70   19059.29   128055.00
  C & E Loss (ft)             0.00    Cum SA (acres)            952.53      91.07    1132.23


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275468.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  190.55  792.35  619.95  776.34 1306.09  761.43 1478.74  754.04
 1754.49  746.94 1916.19  745.14 2254.35  745.14 2577.15  743.82 3444.14  721.24
 3513.48  717.58 3601.59  714.86 3612.51  714.72  3807.2  717.37 3980.89  715.14
 4118.94   712.8 4267.16  708.68 4629.46  699.91 5071.02  692.79 5399.63  691.03
 5541.04  689.59 5694.91  683.97 5761.11  678.79 6111.78  677.07 6449.63  678.88
 6585.91  680.28 6798.82  670.56 6959.85   665.7 7028.73  660.84 7076.14  660.84
 7221.65  664.23 7432.09  674.28 7493.02  673.56 7618.26  674.01 7969.83  666.49
 8016.17  668.31 8165.74  670.84 8449.33  654.52 8462.95  653.01 8630.03  643.22
 8764.22  642.58 9010.23  651.12  9179.3  650.31 9356.43  639.74 9536.58  636.28
 9676.13  623.98 9692.79  623.74 9779.57  614.02 9942.38  599.44 9997.85  599.44
 10038.5  603.8710161.17  632.6710265.33  644.0210640.59  639.8810793.64  633.06
10847.66  627.3211053.61  625.0511297.82  632.6411588.41  629.4412202.99  624.58
13618.38  624.5813851.33  619.4414450.18  619.4414910.89   624.314969.04  629.16
15253.57  625.6515260.33  620.4315363.55  618.7516001.39  596.75 16544.4  589.72
16615.88  583.9816867.59  580.8616932.53   575.217034.72  567.6717487.79  567.67
 17593.1  572.1717694.06  589.7217781.38  609.1417800.08  611.5218034.77  632.27
   18468     63818896.52  639.7320975.33   635.721088.78   635.721314.72  636.41
21659.23  632.3622630.29  635.4222883.67  640.2824533.32  645.1424909.75  647.45
25326.34  651.6825966.69  663.9726187.18  664.8627284.29  664.8627909.72  659.72
28179.29  659.7228744.37  654.8628978.37  652.0429147.24  650.8229285.07  646.63
29431.37  647.34 29720.8   653.630037.51  656.3531118.49  675.8831772.39  678.37
32725.25  717.9832865.71  718.5133473.11  689.9933507.27  690.1235076.06  737.21
36103.12   736.8 36297.5  739.4436643.91  755.8836684.72  756.6136986.52  756.84
37312.99  767.7937468.64  770.5638230.91     79038915.95  793.2339261.41     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 16544.4     .1517694.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       16544.417694.06                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.84    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505312.00   213213.40   1767455.00
  E.G. Slope (ft/ft)      0.000082    Area (sq ft)            1505312.00   213213.40   1767455.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2892441.00   621951.70   3215608.00
  Top Width (ft)          35732.80    Top Width (ft)          15201.20    1149.66   19381.94
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.92       2.92       1.82
  Max Chl Dpth (ft)         192.17    Hydr. Depth (ft)           99.03     185.46      91.19
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  Conv. Total (cfs)       742233500.0    Conv. (cfs)            318999400.0   68593370.0   354640700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15213.79    1152.04   19388.47
  Min Ch El (ft)            567.67    Shear (lb/sq ft)            0.51       0.95       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.98       2.77       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    106354.00   19034.84   127852.20
  C & E Loss (ft)             0.00    Cum SA (acres)            950.79      90.94    1130.00


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275465.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  190.59  792.34  620.09  776.33 1306.39  761.43 1479.08  754.03
 1754.89  746.93 1916.63  745.13 2254.86  745.13 2577.74  743.81 3444.93  721.26
 3514.28   717.6 3602.41  714.87 3613.34  714.73 3808.08  717.36  3981.8  715.13
 4119.88  712.78 4268.13  708.66 4630.52  699.89 5072.18  692.77 5400.87  691.02
 5542.31  689.57 5696.21  683.95 5762.43  678.75 6113.18  677.04  6451.1  678.86
 6587.42  680.26 6800.38  670.52 6961.44  665.65 7030.34  660.78 7077.77  660.78
  7223.3  664.18  7433.8  674.23 7494.74  673.51 7620.01  673.98 7971.66   666.5
 8018.01  668.33 8167.62  670.89 8451.26  654.61 8464.89   653.1 8632.01  643.29
 8766.23  642.65 9012.29  651.21 9181.41  650.41 9358.58  639.82 9538.76  636.35
 9678.34  624.07 9695.02  623.83 9781.81  614.09 9944.66  599.4810000.14  599.48
 10040.8  603.92 10163.5  632.7110267.68  644.0910643.03  639.9510796.12  633.13
10850.15   627.411056.14  625.1311300.41  632.6911591.07  629.4812205.79  624.61
 13621.5  624.6113854.51  619.4814453.49  619.4814914.31  624.3514972.47  629.22
15257.07  625.7115263.82  620.4915367.07  618.8116005.06  596.7816548.19  589.74
16619.81  583.99   16872  580.8816937.07  575.2117039.46  567.6617492.77  567.66
17598.25  572.1717699.38  589.7417786.68  609.1417805.38  611.5118040.05  632.23
18473.23  637.97 18901.7  639.6920980.29  635.6521093.72  635.6521319.64  636.36
21664.11  632.3222635.06  635.3922888.41  640.2624537.88  645.1324914.27  647.44
25330.81  651.6725971.09  663.9826191.56  664.8727288.55  664.8727913.91  659.74
28183.45  659.7428748.47  654.8728982.44  652.0429151.29  650.82 29289.1  646.62
29435.39  647.3229724.79   653.630041.47  656.3431122.33  675.8531776.15  678.35
 32728.9  717.8932869.35  718.4333476.68  689.9733510.84   690.135079.46  737.12
 36106.4  736.7336300.76  739.3836647.13  755.8136687.94  756.54 36989.7  756.79
37316.14  767.7437471.77  770.5238233.96     79038918.93  793.2439264.34     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516548.19     .1517699.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16548.1917699.38                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.84    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505334.00   213490.90   1767819.00
  E.G. Slope (ft/ft)      0.000082    Area (sq ft)            1505334.00   213490.90   1767819.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2891375.00   622601.10   3216024.00
  Top Width (ft)          35737.18    Top Width (ft)          15204.72    1151.19   19381.28
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.92       2.92       1.82
  Max Chl Dpth (ft)         192.18    Hydr. Depth (ft)           99.00     185.45      91.21
  Conv. Total (cfs)       742409600.0    Conv. (cfs)            318957600.0   68681290.0   354770700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15217.33    1153.58   19387.79
  Min Ch El (ft)            567.66    Shear (lb/sq ft)            0.51       0.95       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.97       2.77       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    106181.20   19010.35   127649.30
  C & E Loss (ft)             0.00    Cum SA (acres)            949.04      90.81    1127.78


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275463.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  190.63  792.34  620.23  776.31 1306.69  761.42 1479.42  754.02
 1755.29  746.92 1917.07  745.12 2255.38  745.12 2578.33   743.8 3445.72  721.28
 3515.09  717.61 3603.24  714.88 3614.17  714.74 3808.95  717.35 3982.71  715.12
 4120.83  712.77 4269.11  708.65 4631.58  699.87 5073.34  692.76 5402.11     691
 5543.58  689.55 5697.52  683.92 5763.75  678.72 6114.59  677.01 6452.58  678.84
 6588.93  680.24 6801.94  670.48 6963.04   665.6 7031.95  660.72 7079.39  660.72
 7224.96  664.13  7435.5  674.17 7496.45  673.46 7621.75  673.95 7973.48   666.5
 8019.85  668.34 8169.49  670.95  8453.2   654.7 8466.83  653.18 8633.99  643.36
 8768.24  642.72 9014.36  651.31 9183.51   650.5 9360.72   639.9 9540.95  636.43
 9680.56  624.16 9697.24  623.92 9784.05  614.16 9946.94  599.5210002.43  599.52
10043.11  603.9710165.83  632.7610270.03  644.1610645.47  640.0110798.59  633.19
10852.63  627.4811058.68   625.2   11303  632.7411593.73  629.5212208.59  624.64
13624.62  624.6413857.68  619.5214456.81  619.5214917.73   624.4 14975.9  629.28
15260.57  625.7615267.32  620.5615370.59  618.8716008.72  596.8116551.98  589.76
16623.74     58416876.42   580.916941.61  575.2217044.19  567.6617497.75  567.66
 17603.4  572.16 17704.7  589.7617791.99  609.1417810.69  611.5118045.33  632.19
18478.46  637.9318906.89  639.6520985.24   635.621098.66   635.621324.55  636.32
21668.99  632.2922639.83  635.3622893.16  640.2424542.44  645.1224918.79  647.44
25335.28  651.6725975.49     66426195.94  664.8827292.81  664.88 27918.1  659.76
28187.61  659.7628752.57  654.8828986.51  652.0529155.35  650.8229293.14   646.6
29439.41  647.3129728.78  653.5930045.42  656.3331126.16  675.8231779.92  678.32
32732.56  717.8132872.99  718.3433480.25  689.9533514.41  690.0835082.86  737.03
36109.69  736.6536304.03  739.3136650.36  755.7436691.16  756.4736992.89  756.75
37319.29   767.7 37474.9  770.4838237.01     790 38921.9  793.2439267.28     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516551.98     .15 17704.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16551.98 17704.7                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
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  Vel Head (ft)              0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)           759.84    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1505357.00   213763.20   1768176.00
  E.G. Slope (ft/ft)     0.000082    Area (sq ft)            1505357.00   213763.20   1768176.00
  Q Total (cfs)          6730000.00    Flow (cfs)              2890307.00   623228.90   3216465.00
  Top Width (ft)         35741.46    Top Width (ft)          15208.43    1152.72   19380.32
  Vel Total (ft/s)           1.93    Avg. Vel. (ft/s)           1.92       2.92       1.82
  Max Chl Dpth (ft)        192.18    Hydr. Depth (ft)          98.98     185.44      91.24
  Conv. Total (cfs)      742582600.0    Conv. (cfs)            318914000.0   68766550.0   354902000.0
  Length Wtd. (ft)           5.00    Wetted Per. (ft)        15221.03    1155.11   19386.82
  Min Ch El (ft)           567.66    Shear (lb/sq ft)           0.51       0.95       0.47
  Alpha                      1.06    Stream Power (lb/ft s)     0.97       2.77       0.85
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    106008.40   18985.82   127446.40
  C & E Loss (ft)            0.00    Cum SA (acres)            947.30      90.67    1125.55


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275460.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  190.68  792.34  620.37   776.3 1306.99  761.42 1479.76  754.02
 1755.69  746.92 1917.51  745.11  2255.9  745.11 2578.92  743.78 3446.51  721.29
 3515.89  717.63 3604.06  714.89    3615  714.75 3809.82  717.35 3983.63  715.11
 4121.77  712.75 4270.09  708.63 4632.65  699.85 5074.51  692.74 5403.35  690.98
 5544.85  689.53 5698.83  683.89 5765.07  678.68 6115.99  676.97 6454.06  678.81
 6590.44  680.22  6803.5  670.44 6964.63  665.55 7033.56  660.66 7081.01  660.66
 7226.61  664.07 7437.21  674.12 7498.17  673.42  7623.5  673.93 7975.31  666.51
 8021.69  668.36 8171.36  671.01 8455.14  654.79 8468.77  653.27 8635.97  643.43
 8770.25   642.8 9016.43  651.41 9185.62   650.6 9362.87  639.98 9543.14   636.5
 9682.78  624.25 9699.46  624.01  9786.3  614.23 9949.22  599.56 10004.72  599.56
10045.41  604.0210168.16   632.810272.39  644.2310647.91  640.0710801.06  633.26
10855.12  627.5511061.21  625.2711305.59  632.7811596.38  629.5612211.38  624.67
13627.74  624.6713860.86  619.5614460.12  619.5614921.15  624.4514979.33  629.34
15264.06  625.8115270.82  620.6215374.12  618.9316012.39  596.8316555.78  589.78
16627.67  584.0116880.83  580.9216946.14  575.2317048.93  567.6617502.73  567.66
17608.55  572.1617710.01  589.78 17797.3  609.14   17816  611.5118050.61  632.16
18483.69   637.918912.07   639.6 20990.2  635.55 21103.6  635.5521329.47  636.27
21673.87  632.25 22644.6  635.33 22897.9  640.22   24547  645.1124923.31  647.43
25339.76  651.67 25979.9  664.0126200.32  664.8927297.07  664.8927922.29  659.78
28191.77  659.7828756.66  654.8928990.58  652.05 29159.4  650.8129297.18  646.59
29443.44   647.329732.77  653.5830049.38  656.3231129.99  675.7931783.68   678.3
32736.22  717.7232876.63  718.2633483.83  689.9233517.98  690.0635086.25  736.95
36112.97  736.5836307.29  739.2536653.58  755.6736694.38   756.436996.08   756.7
37322.45  767.6537478.04  770.4438240.06     79038924.87  793.2539270.21     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516555.78     .1517710.01     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16555.7817710.01                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)           759.84    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1505401.00   214031.70   1768536.00
  E.G. Slope (ft/ft)     0.000082    Area (sq ft)            1505401.00   214031.70   1768536.00
  Q Total (cfs)          6730000.00    Flow (cfs)              2889310.00   623838.50   3216852.00
  Top Width (ft)         35745.80    Top Width (ft)          15211.91    1154.23   19379.67
  Vel Total (ft/s)           1.93    Avg. Vel. (ft/s)           1.92       2.91       1.82
  Max Chl Dpth (ft)        192.18    Hydr. Depth (ft)          98.96     185.43      91.26
  Conv. Total (cfs)      742762200.0    Conv. (cfs)            318881100.0   68850460.0   355030600.0
  Length Wtd. (ft)           5.00    Wetted Per. (ft)        15224.51    1156.62   19386.16
  Min Ch El (ft)           567.66    Shear (lb/sq ft)           0.51       0.95       0.47
  Alpha                      1.06    Stream Power (lb/ft s)     0.97       2.76       0.85
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    105835.60   18961.27   127243.40
  C & E Loss (ft)            0.00    Cum SA (acres)            945.55      90.54    1123.33


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275457.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  190.72  792.33  620.51  776.29 1307.29  761.42  1480.1  754.01
  1756.1  746.91 1917.95   745.1 2256.41   745.1 2579.51  743.77  3447.3  721.31
  3516.7  717.64 3604.89   714.9 3615.82  714.76 3810.69  717.34 3984.54   715.1
 4122.71  712.74 4271.07  708.61 4633.71  699.83 5075.67  692.73 5404.59  690.96
 5546.12  689.51 5700.13  683.87 5766.39  678.64 6117.39  676.94 6455.54  678.79
 6591.95   680.2 6805.06   670.4 6966.23   665.5 7035.18   660.6 7082.63   660.6
 7228.27  664.02 7438.91  674.07 7499.89  673.37 7625.25   673.9 7977.14  666.52
 8023.52  668.38 8173.23  671.06 8457.08  654.88 8470.71  653.36 8637.95  643.51
 8772.26  642.87 9018.49   651.5 9187.72   650.7 9365.01  640.06 9545.32  636.58
    9685  624.34 9701.68   624.1 9788.54   614.3  9951.5   599.610007.02   599.6
10047.71  604.0710170.49  632.8510274.74   644.310650.35  640.1310803.54  633.33
10857.61  627.6311063.74  625.3411308.18  632.8311599.04   629.612214.18   624.7
13630.87   624.713864.04   619.614463.43   619.614924.57   624.514982.77   629.4
15267.56  625.8715274.32  620.6815377.64  618.9916016.06  596.8616559.57   589.8
 16631.6  584.0216885.24  580.9316950.68  575.2417053.66  567.6617507.71  567.66
17613.71  572.1517715.33   589.817802.61  609.14 17821.3  611.5118055.89  632.12
18488.92  637.8618917.26  639.5620995.15   635.521108.54   635.521334.39  636.22
21678.74  632.2122649.37   635.322902.64   640.224551.56   645.124927.83  647.43
25344.23  651.66 25984.3  664.02 26204.7   664.927301.33   664.927926.48   659.8
28195.93   659.828760.76   654.928994.65  652.0529163.45  650.8129301.21  646.58
29447.46  647.2829736.76  653.5730053.33  656.3231133.83  675.7731787.44  678.28
32739.88  717.6332880.27  718.17 33487.4   689.933521.55  690.0435089.65  736.86
36116.25  736.5136310.55  739.19 36656.8   755.636697.59  756.3336999.26  756.65
37325.59  767.6137481.17   770.438243.11     79038927.84  793.2639273.15     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
```

```
       0     .1516559.57     .1517715.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16559.5717715.33                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.84    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505420.00   214306.00   1768889.00
  E.G. Slope (ft/ft)      0.000082    Area (sq ft)            1505420.00   214306.00   1768889.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2888257.00   624476.20   3217267.00
  Top Width (ft)          35750.10    Top Width (ft)          15215.43    1155.76   19378.91
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.92       2.91       1.82
  Max Chl Dpth (ft)         192.18    Hydr. Depth (ft)           98.94     185.42      91.28
  Conv. Total (cfs)       742933600.0    Conv. (cfs)            318838500.0   68936750.0   355158400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15228.04    1158.15   19385.38
  Min Ch El (ft)            567.66    Shear (lb/sq ft)            0.51       0.95       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.97       2.76       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    105662.80   18936.69   127040.40
  C & E Loss (ft)             0.00    Cum SA (acres)            943.81      90.41    1121.11


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275454.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  190.76  792.33  620.66  776.28 1307.59  761.41 1480.44     754
  1756.5  746.91 1918.39  745.09 2256.93  745.09  2580.1  743.76 3448.09  721.33
  3517.5  717.66 3605.72  714.91 3616.65  714.77 3811.57  717.34 3985.45  715.09
 4123.66  712.72 4272.05   708.6 4634.77  699.81 5076.83  692.71 5405.82  690.94
 5547.39  689.49 5701.44  683.84 5767.71  678.61 6118.79  676.91 6457.02  678.77
 6593.46  680.18 6806.62  670.36 6967.83  665.45 7036.79  660.54 7084.25  660.54
 7229.92  663.97 7440.61  674.01 7501.61  673.33 7626.99  673.87 7978.97  666.53
 8025.36  668.39  8175.1  671.12 8459.01  654.97 8472.65  653.45 8639.92  643.58
 8774.27  642.94 9020.56   651.6 9189.83  650.79 9367.16  640.13 9547.51  636.65
 9687.22  624.43 9703.91  624.19 9790.78  614.37 9953.78  599.6410009.31  599.64
10050.01  604.1210172.82   632.910277.09  644.3710652.79  640.1910806.01   633.4
10860.09  627.7111066.28  625.4111310.77  632.88 11601.7  629.6412216.98  624.73
13633.99  624.7313867.21  619.6414466.75  619.6414927.98  624.55 14986.2  629.46
15271.06  625.9215277.82  620.7415381.16  619.0516019.73  596.8816563.36  589.82
16635.53  584.0316889.66  580.9516955.22  575.2517058.39  567.6617512.69  567.66
17618.86  572.1517720.65  589.8217807.91  609.1317826.61   611.518061.17  632.09
18494.15  637.8318922.44  639.5221000.11  635.4521113.48  635.45 21339.3  636.17
21683.62  632.1822654.14  635.2722907.39  640.1824556.12  645.0924932.35  647.42
25348.71  651.66 25988.7  664.0326209.08  664.9127305.58  664.9127930.67  659.82
28200.09  659.8228764.86  654.9128998.72  652.06 29167.5  650.8129305.25  646.56
29451.48  647.2729740.75  653.5730057.28  656.3131137.66  675.74 31791.2  678.25
32743.53  717.5532883.91  718.0933490.98  689.8833525.12  690.0135093.05  736.77
36119.54  736.4436313.81  739.1236660.03  755.5336700.82  756.2737002.45   756.6
37328.74  767.56 37484.3  770.3638246.16     79038930.82  793.2639276.09     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516563.36     .1517720.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16563.3617720.65                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.84    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505448.00   214577.80   1769247.00
  E.G. Slope (ft/ft)      0.000082    Area (sq ft)            1505448.00   214577.80   1769247.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2887213.00   625101.60   3217686.00
  Top Width (ft)          35754.67    Top Width (ft)          15219.14    1157.29   19378.24
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.92       2.91       1.82
  Max Chl Dpth (ft)         192.18    Hydr. Depth (ft)           98.92     185.41      91.30
  Conv. Total (cfs)       743104400.0    Conv. (cfs)            318796500.0   69021650.0   355286300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15231.75    1159.69   19384.71
  Min Ch El (ft)            567.66    Shear (lb/sq ft)            0.51       0.95       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.97       2.76       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    105490.00   18912.07   126837.30
  C & E Loss (ft)             0.00    Cum SA (acres)            942.06      90.28    1118.88


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275451.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  190.81  792.32   620.8  776.26 1307.89  761.41 1480.78  753.99
  1756.9   746.9 1918.83  745.08 2257.45  745.08 2580.69  743.75 3448.88  721.34
 3518.31  717.67 3606.54  714.92 3617.48  714.78 3812.44  717.33 3986.37  715.08
  4124.6  712.71 4273.03  708.58 4635.83  699.79    5078   692.7 5407.06  690.92
 5548.66  689.48 5702.74  683.81 5769.03  678.57 6120.19  676.87  6458.5  678.75
 6594.97  680.16 6808.17  670.32 6969.42   665.4  7038.4  660.48 7085.88  660.48
 7231.58  663.91 7442.32  673.96 7503.33  673.28 7628.74  673.84 7980.79  666.53
  8027.2  668.41 8176.98  671.18 8460.95  655.05 8474.59  653.54  8641.9  643.65
 8776.28  643.01 9022.62  651.69 9191.93  650.89  9369.3  640.21  9549.7  636.72
 9689.44  624.52 9706.13  624.28 9793.02  614.44 9956.06  599.68 10011.6  599.68
10052.31  604.1710175.15  632.9410279.45  644.4410655.22  640.2510808.49  633.47
10862.58  627.7811068.81  625.4911313.36  632.9211604.35  629.6812219.78  624.76
13637.11  624.7613870.39  619.6814470.06  619.68 14931.4   624.614989.63  629.52
15274.55  625.9715281.32  620.8115384.68  619.11 16023.4  596.9116567.16  589.84
16639.46  584.0516894.07  580.9716959.76  575.2517063.13  567.6617517.67  567.66
17624.01  572.1517725.96  589.8417813.22  609.1317831.91   611.518066.45  632.05
18499.39  637.7918927.62  639.4821005.06   635.421118.43   635.421344.22  636.12
 21688.5  632.1422658.92  635.2422912.13  640.1624560.69  645.0824936.87  647.42
25353.18  651.6625993.11  664.0426213.46  664.9227309.84  664.9227934.86  659.84
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28204.25  659.8428768.95  654.9229002.79  652.0629171.55  650.8129309.29  646.55
 29455.5  647.2529744.74  653.5630061.24   656.3 31141.5  675.7131794.96  678.23
32747.19  717.4632887.55     71833494.55  689.86 33528.7  689.9935096.45  736.68
36122.82  736.3736317.07  739.0636663.25  755.4636704.04   756.237005.64  756.55
37331.89  767.5237487.43  770.32 38249.2     79038933.79  793.2739279.02     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516567.16     .1517725.96     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16567.1617725.96               5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.84    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505486.00   214845.10   1769612.00
  E.G. Slope (ft/ft)      0.000082    Area (sq ft)            1505486.00   214845.10   1769612.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2886194.00   625705.40   3218102.00
  Top Width (ft)          35758.97    Top Width (ft)          15222.67    1158.80   19377.50
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.92       2.91       1.82
  Max Chl Dpth (ft)         192.18    Hydr. Depth (ft)           98.90     185.40      91.32
  Conv. Total (cfs)       743283700.0    Conv. (cfs)             318760900.0   69104990.0   355417900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15235.28    1161.20   19383.95
  Min Ch El (ft)            567.66    Shear (lb/sq ft)            0.51       0.95       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.97       2.76       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    105317.20   18887.43   126634.20
  C & E Loss (ft)             0.00    Cum SA (acres)            940.31      90.14    1116.66


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275448.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  190.85  792.32  620.94  776.25 1308.19  761.41 1481.12  753.98
  1757.3  746.89 1919.27  745.07 2257.96  745.07 2581.29  743.73 3449.67  721.36
 3519.11  717.69 3607.37  714.93 3618.31  714.79 3813.31  717.33 3987.28  715.07
 4125.55  712.69    4274  708.56 4636.89  699.77 5079.16  692.68  5408.3   690.9
 5549.93  689.46 5704.05  683.78 5770.35  678.53 6121.59  676.84 6459.98  678.72
 6596.48  680.14 6809.73  670.28 6971.02  665.35 7040.01  660.42  7087.5  660.42
 7233.23  663.86 7444.02  673.91 7505.04  673.23 7630.49  673.82 7982.62  666.54
 8029.04  668.43 8178.85  671.23 8462.89  655.14 8476.53  653.63 8643.88  643.72
 8778.28  643.09 9024.69  651.79 9194.04  650.99 9371.45  640.29 9551.88   636.8
 9691.66  624.61 9708.35  624.37 9795.26  614.51 9958.34  599.7210013.89  599.72
10054.61  604.2210177.48  632.99 10281.8  644.5110657.66  640.3210810.96  633.53
10865.07  627.8611071.35  625.5611315.95  632.9711607.01  629.7212222.58  624.79
13640.23  624.7913873.56  619.7214473.37  619.7214934.82  624.6514993.06  629.58
15278.05  626.0215284.82  620.8715388.21  619.1716027.07  596.9316570.95  589.86
16643.39  584.0616898.48  580.9916964.29  575.2617067.86  567.6617522.65  567.66
17629.16  572.1417731.28  589.8617818.53  609.1317837.22   611.518071.73  632.01
18504.62  637.7618932.81  639.4421010.02  635.3521123.37  635.3521349.14  636.07
21693.38   632.122663.69  635.2122916.88  640.1424565.25  645.0724941.39  647.41
25357.65  651.6525997.51  664.0526217.84  664.93 27314.1  664.9327939.05  659.86
28208.41  659.8628773.05  654.9329006.86  652.0729175.61  650.8129313.32  646.54
29459.52  647.2429748.72  653.5530065.19  656.2931145.33  675.6831798.73   678.2
32750.85  717.37 32891.2  717.9233498.12  689.8433532.27  689.9735099.84  736.59
36126.11   736.336320.34     73936666.48  755.3936707.25  756.1337008.82  756.51
37335.04  767.4737490.57  770.2838252.25     79038936.77  793.2839281.95     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516570.95     .1517731.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16570.9517731.28               5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.84    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505518.00   215117.70   1769979.00
  E.G. Slope (ft/ft)      0.000082    Area (sq ft)            1505518.00   215117.70   1769979.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2885147.00   626325.70   3218528.00
  Top Width (ft)          35763.14    Top Width (ft)          15226.19    1160.33   19376.62
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.92       2.91       1.82
  Max Chl Dpth (ft)         192.18    Hydr. Depth (ft)           98.88     185.39      91.35
  Conv. Total (cfs)       743464600.0    Conv. (cfs)             318722800.0   69190340.0   355551500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15238.80    1162.73   19383.06
  Min Ch El (ft)            567.66    Shear (lb/sq ft)            0.51       0.95       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.97       2.76       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    105144.40   18862.75   126431.00
  C & E Loss (ft)             0.00    Cum SA (acres)            938.57      90.01    1114.43


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275445.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   190.9  792.31  621.08  776.24 1308.49  761.41 1481.46  753.98
 1757.71  746.89 1919.71  745.06 2258.48  745.06 2581.88  743.72 3450.46  721.38
 3519.92   717.7 3608.19  714.94 3619.14   714.8 3814.19  717.32 3988.19  715.06
 4126.49  712.68 4274.98  708.54 4637.95  699.75 5080.32  692.67 5409.54  690.89
  5551.2  689.44 5705.35  683.76 5771.67   678.5 6122.99  676.81 6461.45   678.7
 6597.99  680.12 6811.29  670.24 6972.61   665.3 7041.62  660.36 7089.12  660.36
 7234.89  663.81 7445.72  673.86 7506.76  673.19 7632.23  673.79 7984.45  666.55
 8030.87  668.45 8180.72  671.29 8464.82  655.23 8478.47  653.71 8645.86  643.79
 8780.29  643.16 9026.75  651.88 9196.14  651.08 9373.59  640.37 9554.07  636.87
 9693.87   624.7 9710.57  624.46 9797.51  614.58 9960.62  599.7610016.18  599.76
10056.91  604.2710179.81  633.0410284.16  644.58 10660.1  640.3810813.44   633.6
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10867.56  627.9411073.88  625.6311318.54  633.0211609.67  629.7612225.37  624.82
13643.35  624.8213876.74  619.7614476.68  619.7614938.24   624.714996.49  629.64
15281.55  626.0815288.31  620.9315391.73  619.2316030.74  596.9616574.74  589.88
16647.32  584.07 16902.9     58116968.83  575.27 17072.6  567.6617527.63  567.66
17634.31  572.14 17736.6  589.8817823.83  609.1317842.52  611.4918077.01  631.98
18509.85  637.7218937.99   639.421014.97   635.321128.31   635.321354.06  636.02
21698.26  632.0722668.46  635.1822921.62  640.1224569.81  645.0624945.91   647.4
25362.13  651.6526001.91  664.0726222.21  664.9427318.36  664.9427943.23  659.88
28212.57  659.8828777.14  654.9429010.93  652.0729179.66  650.8129317.36  646.53
29463.54  647.2229752.71  653.5530069.14  656.2931149.17  675.6531802.49  678.18
 32754.5  717.2932894.84  717.83 33501.7  689.8233535.84  689.9535103.24  736.51
36129.39  736.23 36323.6  738.94 36669.7  755.3236710.47  756.0637012.01  756.46
 37338.2  767.42 37493.7  770.24 38255.3     79038939.74  793.2839284.89     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516574.74     .15 17736.6     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16574.74 17736.6                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.84    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505530.00   215390.70   1770305.00
  E.G. Slope (ft/ft)      0.000082    Area (sq ft)            1505530.00   215390.70   1770305.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2884130.00   626966.90   3218903.00
  Top Width (ft)          35767.48    Top Width (ft)          15229.67    1161.86   19375.96
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.92       2.91       1.82
  Max Chl Dpth (ft)         192.18    Hydr. Depth (ft)           98.86     185.38      91.37
  Conv. Total (cfs)       743623600.0    Conv. (cfs)            318678600.0   69275980.0   355669000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15242.29    1164.26   19382.38
  Min Ch El (ft)            567.66    Shear (lb/sq ft)            0.51       0.95       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.97       2.75       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    104971.60   18838.04   126227.90
  C & E Loss (ft)             0.00    Cum SA (acres)            936.82      89.88    1112.21


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275442.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  190.94  792.31  621.22  776.23 1308.78   761.4  1481.8  753.97
 1758.11  746.88 1920.15  745.05    2259  745.05 2582.47  743.71 3451.25   721.4
 3520.73  717.72 3609.02  714.95 3619.96  714.81 3815.06  717.32  3989.1  715.05
 4127.44  712.66 4275.96  708.53 4639.01  699.73 5081.48  692.65 5410.78  690.87
 5552.47  689.42 5706.66  683.73 5772.99  678.46 6124.39  676.77 6462.93  678.68
  6599.5   680.1 6812.85   670.2 6974.21  665.25 7043.23   660.3 7090.74   660.3
 7236.55  663.76 7447.43   673.8 7508.48  673.14 7633.98  673.76 7986.27  666.55
 8032.71  668.46 8182.59  671.35 8466.76  655.32 8480.42   653.8 8647.84  643.86
  8782.3  643.23 9028.82  651.98 9198.25  651.18 9375.74  640.45 9556.25  636.95
 9696.09   624.8 9712.79  624.55 9799.75  614.65  9962.9   599.810018.48   599.8
10059.22  604.3110182.14  633.0810286.51  644.6510662.54  640.4410815.91  633.67
10870.04  628.0111076.42   625.711321.13  633.0611612.33   629.812228.17  624.85
13646.48  624.8513879.91   619.8   14480   619.814941.66  624.7514999.93   629.7
15285.05  626.1315291.81     62115395.25  619.29 16034.4  596.9916578.54   589.9
16651.25  584.0816907.31  581.0216973.37  575.2817077.33  567.6617532.61  567.66
17639.46  572.1317741.91   589.917829.14  609.1317847.83  611.4918082.29  631.94
18515.08  637.6918943.18  639.3521019.93  635.2521133.25  635.2521358.97  635.98
21703.14  632.0322673.23  635.1522926.36   640.124574.37  645.0524950.43   647.4
 25366.6  651.6526006.32  664.0826226.59  664.9527322.62  664.9527947.42   659.9
28216.72   659.928781.24  654.95   29015  652.0829183.71  650.81 29321.4  646.51
29467.56  647.21 29756.7  653.54 30073.1  656.28   31153  675.6231806.25  678.16
32758.16   717.232898.48  717.7533505.27   689.833539.41  689.9335106.64  736.42
36132.67  736.1536326.86  738.8736672.93  755.2536713.69  755.99 37015.2  756.41
37341.34  767.3837496.83   770.238258.35     79038942.71  793.2939287.82     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516578.54     .1517741.91     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16578.5417741.91                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.84    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505563.00   215660.10   1770678.00
  E.G. Slope (ft/ft)      0.000082    Area (sq ft)            1505563.00   215660.10   1770678.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2883075.00   627579.60   3219346.00
  Top Width (ft)          35771.96    Top Width (ft)          15233.39    1163.37   19375.21
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.91       2.91       1.82
  Max Chl Dpth (ft)         192.18    Hydr. Depth (ft)           98.83     185.38      91.39
  Conv. Total (cfs)       743801900.0    Conv. (cfs)            318638400.0   69360300.0   355803200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15246.01    1165.77   19381.62
  Min Ch El (ft)            567.66    Shear (lb/sq ft)            0.50       0.95       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.97       2.75       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    104798.80   18813.31   126024.60
  C & E Loss (ft)             0.00    Cum SA (acres)            935.07      89.74    1109.98


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275439.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  190.98   792.3  621.37  776.22 1309.08   761.4 1482.13  753.96
 1758.51  746.87 1920.59  745.04 2259.51  745.04 2583.06  743.69 3452.04  721.41
 3521.53  717.74 3609.84  714.96 3620.79  714.82 3815.93  717.31 3990.02  715.04
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 4128.38  712.65 4276.94  708.51 4640.08  699.71 5082.65  692.64 5412.01  690.85
 5553.74   689.4 5707.96   683.7 5774.32  678.42  6125.8  676.74 6464.41  678.65
 6601.01  680.08 6814.41  670.16  6975.8   665.2 7044.84  660.24 7092.37  660.24
  7238.2   663.7 7449.13  673.75  7510.2   673.1 7635.73  673.73  7988.1  666.56
 8034.55  668.48 8184.46   671.4  8468.7  655.41 8482.36  653.89 8649.82  643.94
 8784.31  643.31 9030.89  652.07 9200.35  651.28 9377.88  640.53 9558.44  637.02
 9698.31  624.89 9715.02  624.64 9801.99  614.72 9965.18  599.8410020.77  599.84
10061.52  604.3610184.47  633.1310288.86  644.7210664.98   640.510818.39  633.74
10872.53  628.0911078.95  625.7711323.72  633.1111614.98  629.8412230.97  624.88
 13649.6  624.8813883.09  619.8414483.31  619.8414945.08   624.815003.36  629.76
15288.54  626.1815295.31  621.0615398.77  619.3516038.07  597.0116582.33  589.92
16655.19  584.0916911.72  581.0416977.91  575.2917082.06  567.6517537.58  567.65
17644.62  572.1317747.23  589.9217834.45  609.1217853.13  611.4918087.57   631.9
18520.31  637.6518948.36  639.3121024.88   635.2 21138.2   635.221363.89  635.93
21708.02      632   22678  635.1222931.11  640.0824578.93  645.0424954.95  647.39
25371.08  651.6426010.72  664.0926230.97  664.9627326.87  664.9627951.61  659.92
28220.88  659.9228785.34  654.9629019.07  652.0829187.76   650.829325.44   646.5
29471.58   647.229760.69  653.5330077.05  656.2731156.83  675.5931810.01  678.13
32761.82  717.1132902.12  717.6633508.85  689.7833542.98  689.9135110.04  736.33
36135.96  736.0836330.12  738.8136676.15  755.1836716.91  755.9237018.38  756.36
 37344.5  767.3337499.96  770.16 38261.4     79038945.68   793.339290.76     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516582.33     .1517747.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16582.3317747.23                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.84    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505603.00   215937.10   1771052.00
  E.G. Slope (ft/ft)      0.000082    Area (sq ft)            1505603.00   215937.10   1771052.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2882036.00   628215.80   3219749.00
  Top Width (ft)          35776.35    Top Width (ft)          15236.91    1164.90   19374.54
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.91       2.91       1.82
  Max Chl Dpth (ft)         192.19    Hydr. Depth (ft)           98.81     185.37      91.41
  Conv. Total (cfs)       743988300.0    Conv. (cfs)            318603400.0   69448020.0   355936900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15249.53    1167.31   19380.93
  Min Ch El (ft)            567.65    Shear (lb/sq ft)            0.50       0.95       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.97       2.75       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    104625.90   18788.54   125821.40
  C & E Loss (ft)             0.00    Cum SA (acres)            933.32      89.61    1107.76


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275436.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  191.03   792.3  621.51   776.2 1309.38   761.4 1482.47  753.95
 1758.91  746.87 1921.03  745.03 2260.03  745.03 2583.65  743.68 3452.83  721.43
 3522.34  717.75 3610.67  714.97 3621.62  714.83  3816.8  717.31 3990.93  715.03
 4129.32  712.63 4277.92  708.49 4641.14   699.7 5083.81  692.62 5413.25  690.83
 5555.01  689.38 5709.27  683.68 5775.64  678.39  6127.2  676.71 6465.89  678.63
 6602.52  680.06 6815.97  670.12  6977.4  665.15 7046.46  660.18 7093.99  660.18
 7239.86  663.65 7450.84   673.7 7511.91  673.05 7637.47  673.71 7989.93  666.57
 8036.39   668.5 8186.34  671.46 8470.63   655.5  8484.3  653.98  8651.8  644.01
 8786.32  643.38 9032.95  652.17 9202.45  651.37 9380.03   640.6 9560.63   637.1
 9700.53  624.98 9717.24  624.73 9804.23  614.79 9967.46  599.8810023.06  599.88
10063.82  604.41 10186.8  633.1810291.22  644.7910667.42  640.5610820.86  633.81
10875.02  628.1711081.48  625.8511326.31  633.1511617.64  629.8812233.77  624.91
13652.72  624.9113886.26  619.8814486.62  619.88 14948.5  624.8515006.79  629.82
15292.04  626.2415298.81  621.1215402.29  619.4216041.74  597.0416586.12  589.94
16659.12   584.116916.14  581.0616982.45   575.3 17086.8  567.6517542.56  567.65
17649.77  572.1217752.55  589.9417839.76  609.1217858.44  611.4918092.85  631.87
18525.54  637.6218953.54  639.2721029.84  635.1521143.14  635.1521368.81  635.88
 21712.9  631.9622682.77  635.0922935.85  640.0624583.49  645.0324959.47  647.39
25375.55  651.6426015.12   664.126235.35  664.9727331.13  664.97 27955.8  659.94
28225.04  659.9428789.44  654.9729023.14  652.0829191.82   650.829329.47  646.49
 29475.6  647.1829764.68  653.53   30081  656.2631160.67  675.5631813.77  678.11
32765.47  717.0332905.76  717.5733512.42  689.7633546.55  689.8935113.43  736.24
36139.24  736.0136333.39  738.7536679.37  755.1136720.13  755.8537021.57  756.32
37347.64  767.29 37503.1  770.1238264.45     79038948.66   793.3 39293.7     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516586.12     .1517752.55     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16586.1217752.55                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.84    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505612.00   216209.90   1771397.00
  E.G. Slope (ft/ft)      0.000082    Area (sq ft)            1505612.00   216209.90   1771397.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2880973.00   628846.80   3220181.00
  Top Width (ft)          35780.43    Top Width (ft)          15240.43    1166.43   19373.57
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.91       2.91       1.82
  Max Chl Dpth (ft)         192.19    Hydr. Depth (ft)           98.79     185.36      91.43
  Conv. Total (cfs)       744155000.0    Conv. (cfs)            318557200.0   69533360.0   356064400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15253.07    1168.84   19379.95
  Min Ch El (ft)            567.65    Shear (lb/sq ft)            0.50       0.94       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.96       2.75       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    104453.10   18763.73   125618.00
  C & E Loss (ft)             0.00    Cum SA (acres)            931.57      89.47    1105.54


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275433.*
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```
INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  191.07  792.29  621.65  776.19 1309.68  761.39 1482.81  753.94
 1759.31  746.86 1921.47  745.02 2260.55  745.02 2584.24  743.67 3453.62  721.45
 3523.14  717.77  3611.5  714.98 3622.45  714.84 3817.68   717.3 3991.84  715.02
 4130.27  712.62  4278.9  708.48  4642.2  699.68 5084.97  692.61 5414.49  690.81
 5556.28  689.36 5710.58  683.65 5776.96  678.35  6128.6  676.68 6467.37  678.61
 6604.03  680.04 6817.53  670.08 6978.99   665.1 7048.07  660.12 7095.61  660.12
 7241.51   663.6 7452.54  673.64 7513.63  673.01 7639.22  673.68 7991.76  666.57
 8038.23  668.51 8188.21  671.52 8472.57  655.59 8486.24  654.07 8653.77  644.08
 8788.33  643.45 9035.02  652.26 9204.56  651.47 9382.17  640.68 9562.81  637.17
 9702.75  625.07 9719.46  624.82 9806.47  614.86 9969.74  599.9210025.35  599.92
10066.12  604.4610189.13  633.2210293.57  644.8610669.86  640.6210823.34  633.87
 10877.5  628.2411084.02  625.92 11328.9   633.211620.29  629.9212236.56  624.94
13655.84  624.9413889.44  619.9214489.94  619.9214951.91   624.915010.22  629.88
15295.54  626.2915302.31  621.1815405.82  619.4816045.41  597.0616589.91  589.96
16663.04  584.1216920.55  581.0816986.98  575.3117091.53  567.6517547.54  567.65
17654.92  572.1217757.87  589.9617845.06  609.1217863.74  611.4818098.13  631.83
18530.78  637.5818958.73  639.2321034.79   635.121148.08   635.121373.72  635.83
21717.78  631.9222687.55  635.0622940.59  640.0424588.06  645.0224963.99  647.38
25380.03  651.6426019.53  664.1126239.73  664.9827335.39  664.9827959.99  659.96
 28229.2  659.9628793.53  654.9829027.21  652.0929195.87   650.829333.51  646.47
29479.62  647.1729768.67  653.5230084.96  656.26 31164.5  675.5331817.54  678.08
32769.13  716.94 32909.4  717.49   33516  689.7433550.12  689.8735116.83  736.15
36142.52  735.9436336.65  738.68 36682.6  755.0436723.35  755.7937024.75  756.27
 37350.8  767.2437506.23  770.08 38267.5     79038951.63  793.3139296.63     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516589.91     .1517757.87     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16589.9117757.87                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.84    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1505643.00   216479.30   1771762.00
  E.G. Slope (ft/ft)      0.000082    Area (sq ft)             1505643.00   216479.30   1771762.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2879933.00   629457.60   3220610.00
  Top Width (ft)          35784.99    Top Width (ft)           15244.14    1167.96   19372.90
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)             1.91       2.91       1.82
  Max Chl Dpth (ft)         192.19    Hydr. Depth (ft)            98.77     185.35      91.46
  Conv. Total (cfs)       744329100.0    Conv. (cfs)             318516700.0   69617180.0   356195200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         15256.77    1170.37   19379.27
  Min Ch El (ft)            567.65    Shear (lb/sq ft)             0.50       0.94       0.47
  Alpha                       1.06    Stream Power (lb/ft s)       0.96       2.74       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    104280.30   18738.90   125414.70
  C & E Loss (ft)             0.00    Cum SA (acres)             929.82      89.34    1103.31


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275430.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  191.11  792.29  621.79  776.18 1309.98  761.39 1483.15  753.94
 1759.72  746.85 1921.91  745.01 2261.07  745.01 2584.83  743.66 3454.41  721.46
 3523.95  717.78 3612.32  714.99 3623.28  714.85 3818.55  717.29 3992.75  715.01
 4131.21   712.6 4279.87  708.46 4643.26  699.66 5086.13  692.59 5415.73  690.79
 5557.55  689.35 5711.88  683.62 5778.28  678.32    6130  676.64 6468.85  678.59
 6605.54  680.02 6819.09  670.04 6980.59  665.05 7049.68  660.06 7097.23  660.06
 7243.17  663.54 7454.24  673.59 7515.35  672.96 7640.97  673.65 7993.58  666.58
 8040.06  668.53 8190.08  671.57 8474.51  655.67 8488.18  654.16 8655.75  644.15
 8790.34  643.52 9037.08  652.36 9206.66  651.57 9384.32  640.76    9565  637.25
 9704.96  625.16 9721.68  624.91 9808.72  614.93 9972.02  599.9610027.65  599.96
10068.42  604.5110191.46  633.2710295.92  644.93 10672.3  640.6810825.81  633.94
10879.99  628.3211086.55  625.9911331.49  633.2511622.95  629.9612239.36  624.97
13658.96  624.9713892.62  619.9614493.25  619.9614955.33  624.9515013.65  629.94
15299.03  626.3415305.81  621.2515409.34  619.5416049.08  597.0916593.71  589.98
16666.97  584.1316924.96  581.0916991.52  575.3217096.27  567.6517552.52  567.65
17660.07  572.1217763.18  589.9817850.37  609.1217869.05  611.4818103.41  631.79
18536.01  637.5518963.91  639.1921039.74  635.0521153.02  635.0521378.64  635.78
21722.65  631.8922692.32  635.0322945.34  640.0224592.62  645.0124968.51  647.38
 25384.5  651.6326023.93  664.1326244.11  664.9927339.65  664.9927964.18  659.98
28233.36  659.9828797.63  654.9929031.28  652.0929199.92   650.829337.55  646.46
29483.64  647.1529772.66  653.5130088.91  656.2531168.34   675.5 31821.3  678.06
32772.79  716.8632913.04   717.433519.57  689.7233553.69  689.8535120.23  736.07
36145.81  735.8736339.91  738.6236685.82  754.9736726.57  755.7237027.94  756.22
37353.95   767.237509.36  770.0438270.55     790 38954.6  793.3239299.57     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516593.71     .1517763.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16593.7117763.18                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.84    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1505675.00   216748.80   1772099.00
  E.G. Slope (ft/ft)      0.000082    Area (sq ft)             1505675.00   216748.80   1772099.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2878940.00   630078.30   3220981.00
  Top Width (ft)          35789.23    Top Width (ft)           15247.62    1169.47   19372.14
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)             1.91       2.91       1.82
  Max Chl Dpth (ft)         192.19    Hydr. Depth (ft)            98.75     185.34      91.48
  Conv. Total (cfs)       744498600.0    Conv. (cfs)             318479500.0   69701700.0   356317300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         15260.25    1171.88   19378.51
  Min Ch El (ft)            567.65    Shear (lb/sq ft)             0.50       0.94       0.47
  Alpha                       1.06    Stream Power (lb/ft s)       0.96       2.74       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    104107.50   18714.04   125211.30
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  C & E Loss (ft)             0.00    Cum SA (acres)            928.07      89.21    1101.09


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275428.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  191.16  792.28  621.94  776.17 1310.28  761.39 1483.49  753.93
 1760.12  746.85 1922.34     745 2261.58     745 2585.42  743.64 3455.19  721.48
 3524.75   717.8 3613.15     715 3624.11  714.86 3819.42  717.29 3993.67     715
 4132.16  712.59 4280.85  708.44 4644.32  699.64  5087.3  692.58 5416.96  690.78
 5558.83  689.33 5713.19  683.59  5779.6  678.28  6131.4  676.61 6470.33  678.56
 6607.05     680 6820.64     670 6982.19     665 7051.29     660 7098.85     660
 7244.82  663.49 7455.95  673.54 7517.07  672.91 7642.71  673.63 7995.41  666.59
  8041.9  668.55 8191.95  671.63 8476.45  655.76 8490.12  654.25 8657.73  644.22
 8792.35   643.6 9039.15  652.45 9208.77  651.66 9386.46  640.84 9567.19  637.32
 9707.18  625.25 9723.91     625 9810.96     615 9974.29     60010029.94     600
10070.72  604.5610193.79  633.3210298.28     64510674.74  640.7510828.29  634.01
10882.48   628.411089.09  626.0611334.08  633.2911625.61     63012242.16     625
13662.09     62513895.79     62014496.56     62014958.75     62515017.08     630
15302.53  626.3915309.31  621.3115412.86   619.616052.75  597.11 16597.5     590
16670.91  584.1416929.38  581.1116996.06  575.33   17101  567.65 17557.5  567.65
17665.22  572.11 17768.5     59017855.68  609.1217874.36  611.4818108.69  631.76
18541.24  637.51 18969.1  639.15 21044.7     63521157.96     63521383.56  635.73
21727.54  631.8522697.09     63522950.08     64024597.18     64524973.03  647.37
25388.97  651.6326028.33  664.1426248.49     665 27343.9     66527968.37     660
28237.52     66028801.72     65529035.36   652.129203.97   650.829341.58  646.45
29487.66  647.1429776.64   653.530092.87  656.2431172.17  675.4731825.06  678.04
32776.45  716.7732916.69  717.3233523.14   689.733557.26  689.8335123.62  735.98
36149.09   735.836343.17  738.5636689.05   754.936729.79  755.6537031.12  756.17
37357.09  767.15 37512.5     77038273.59     79038957.58  793.32 39302.5     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 16597.5     .15 17768.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       16597.5 17768.5                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.84    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505701.00   217021.40   1772455.00
  E.G. Slope (ft/ft)      0.000082    Area (sq ft)            1505701.00   217021.40   1772455.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2877910.00   630702.80   3221388.00
  Top Width (ft)          35793.61    Top Width (ft)          15251.14    1171.00   19371.46
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.91       2.91       1.82
  Max Chl Dpth (ft)         192.19    Hydr. Depth (ft)           98.73     185.33      91.50
  Conv. Total (cfs)       744671700.0    Conv. (cfs)            318439500.0   69787000.0   356445200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15263.78    1173.41   19377.81
  Min Ch El (ft)            567.65    Shear (lb/sq ft)            0.50       0.94       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.96       2.74       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   103934.60   18689.14   125007.90
  C & E Loss (ft)             0.00    Cum SA (acres)            926.32      89.07    1098.87


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275425.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   191.2  792.28  622.08  776.15 1310.58  761.39 1483.83  753.92
 1760.52  746.84 1922.78  744.99  2262.1  744.99 2586.01  743.63 3455.98   721.5
 3525.56  717.81 3613.97  715.01 3624.93  714.87  3820.3  717.28 3994.58  714.99
  4133.1  712.57 4281.83  708.43 4645.38  699.62 5088.46  692.56  5418.2  690.76
  5560.1  689.31 5714.49  683.57 5780.92  678.24  6132.8  676.58 6471.81  678.54
 6608.56  679.98  6822.2  669.96 6983.78  664.95  7052.9  659.94 7100.48  659.94
 7246.48  663.44 7457.65  673.49 7518.79  672.87 7644.46   673.6 7997.24  666.59
 8043.74  668.57 8193.83  671.69 8478.38  655.85 8492.06  654.33 8659.71  644.29
 8794.36  643.67 9041.21  652.55 9210.87  651.76 9388.61  640.92 9569.37   637.4
  9709.4  625.34 9726.13  625.09  9813.2  615.07 9976.58  600.0410032.23  600.04
10073.02  604.6110196.11  633.3610300.63  645.0710677.18  640.8110830.76  634.08
10884.96  628.4711091.62  626.1411336.67  633.3411628.27  630.0412244.96  625.03
13665.21  625.0313898.97  620.0414499.88  620.0414962.17  625.0515020.52  630.06
15306.03  626.45 15312.8  621.3715416.38  619.6616056.42  597.1416601.29  590.02
16674.84  584.1516933.79  581.13 17000.6  575.3417105.73  567.6517562.48  567.65
17670.37  572.1117773.82  590.0217860.99  609.1217879.66  611.4718113.96  631.72
18546.47  637.4818974.28   639.121049.65  634.9521162.91  634.9521388.48  635.68
21732.41  631.8122701.86  634.9722954.83  639.9824601.74  644.9924977.55  647.37
25393.45  651.6326032.74  664.1526252.87  665.0127348.16  665.0127972.56  660.02
28241.68  660.0228805.82  655.0129039.43   652.129208.02   650.829345.62  646.43
29491.68  647.1229780.63   653.530096.82  656.2331176.01  675.4531828.82  678.01
 32780.1  716.6832920.33  717.2333526.72  689.6833560.83  689.8135127.02  735.89
36152.38  735.7236346.44   738.536692.27  754.8336733.01  755.5837034.31  756.13
37360.25   767.137515.63  769.9638276.64     79038960.55  793.3339305.43     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516601.29     .1517773.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16601.2917773.82                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.84    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505720.00   217293.00   1772829.00
  E.G. Slope (ft/ft)      0.000082    Area (sq ft)            1505720.00   217293.00   1772829.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2876838.00   631317.70   3221845.00
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  Top Width (ft)          35797.79    Top Width (ft)          15254.66    1172.53   19370.60
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.91       2.91       1.82
  Max Chl Dpth (ft)         192.19    Hydr. Depth (ft)           98.71     185.32      91.52
  Conv. Total (cfs)       744850300.0    Conv. (cfs)             318397200.0   69871790.0   356581200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15267.31    1174.95   19376.93
  Min Ch El (ft)            567.65    Shear (lb/sq ft)            0.50       0.94       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.96       2.74       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    103761.80   18664.22   124804.40
  C & E Loss (ft)             0.00    Cum SA (acres)            924.57      88.94    1096.64


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275422.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  191.24  792.28  622.22  776.14 1310.88  761.38 1484.17  753.91
 1760.92  746.84 1923.22  744.98 2262.62  744.98  2586.6  743.62 3456.77  721.52
 3526.36  717.83  3614.8  715.02 3625.76  714.88 3821.17  717.28 3995.49  714.98
 4134.05  712.56 4282.81  708.41 4646.44   699.6 5089.62  692.55 5419.44  690.74
 5561.37  689.29  5715.8  683.54 5782.24  678.21  6134.2  676.54 6473.28  678.52
 6610.07  679.96 6823.76  669.92 6985.38   664.9 7054.51  659.88  7102.1  659.88
 7248.14  663.38 7459.36  673.43  7520.5  672.82  7646.2  673.57 7999.07   666.6
 8045.58  668.58  8195.7  671.74 8480.32  655.94    8494  654.42 8661.69  644.36
 8796.37  643.74 9043.28  652.64 9212.98  651.86 9390.75     641 9571.56  637.47
 9711.62  625.43 9728.35  625.18 9815.44  615.14 9978.85  600.0810034.52  600.08
10075.33  604.6610198.44  633.4110302.98  645.1410679.62  640.8710833.23  634.15
10887.45  628.5511094.15  626.2111339.26  633.3911630.92  630.0812247.75  625.06
13668.33  625.0613902.14  620.0814503.19  620.0814965.59   625.115023.95  630.12
15309.53   626.5 15316.3  621.4315419.91  619.7216060.08  597.1716605.09  590.04
16678.77  584.16 16938.2  581.1517005.14  575.3517110.47  567.6517567.46  567.65
17675.52   572.117779.13  590.0417866.29  609.1117884.96  611.4718119.24  631.68
 18551.7  637.4418979.47  639.0621054.61   634.921167.85   634.921393.39  635.64
21737.29  631.7822706.63  634.9422959.57  639.96 24606.3  644.9824982.07  647.36
25397.92  651.6226037.14  664.1626257.25  665.0227352.42  665.0227976.74  660.04
28245.84  660.0428809.92  655.02 29043.5   652.129212.08  650.7929349.66  646.42
 29495.7  647.1129784.62  653.4930100.77  656.2331179.84  675.4231832.58  677.99
32783.76   716.632923.97  717.1533530.29  689.66 33564.4  689.7935130.42   735.8
36155.66  735.65 36349.7  738.4336695.49  754.7636736.23  755.51 37037.5  756.08
37363.39  767.0637518.77  769.9238279.69     79038963.52  793.3439308.37     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516605.09     .1517779.13     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16605.0917779.13                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.84    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505747.00   217561.80   1773180.00
  E.G. Slope (ft/ft)      0.000082    Area (sq ft)            1505747.00   217561.80   1773180.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2875803.00   631934.10   3222263.00
  Top Width (ft)          35802.26    Top Width (ft)          15258.38    1174.04   19369.83
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.91       2.90       1.82
  Max Chl Dpth (ft)         192.19    Hydr. Depth (ft)           98.68     185.31      91.54
  Conv. Total (cfs)       745019200.0    Conv. (cfs)             318354900.0   69955880.0   356708400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15271.03    1176.46   19376.15
  Min Ch El (ft)            567.65    Shear (lb/sq ft)            0.50       0.94       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.96       2.74       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    103589.00   18639.26   124600.90
  C & E Loss (ft)             0.00    Cum SA (acres)            922.82      88.80    1094.42


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275419.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  191.29  792.27  622.36  776.13 1311.18  761.38 1484.51  753.91
 1761.33  746.83 1923.66  744.97 2263.13  744.97 2587.19  743.61 3457.56  721.53
 3527.17  717.84 3615.62  715.03 3626.59  714.89 3822.04  717.27  3996.4  714.97
 4134.99  712.54 4283.79  708.39  4647.5  699.58 5090.78  692.53 5420.68  690.72
 5562.64  689.27  5717.1  683.51 5783.56  678.17  6135.6  676.51 6474.76  678.49
 6611.58  679.94 6825.32  669.88 6986.97  664.85 7056.12  659.82 7103.72  659.82
 7249.79  663.33 7461.06  673.38 7522.22  672.78 7647.95  673.54 8000.89  666.61
 8047.41   668.6 8197.57   671.8 8482.26  656.03 8495.94  654.51 8663.67  644.44
 8798.38  643.82 9045.35  652.74 9215.08  651.95  9392.9  641.07 9573.75  637.55
 9713.84  625.52 9730.57  625.27 9817.68  615.21 9981.13  600.1210036.81  600.12
10077.63  604.7110200.77  633.4610305.34  645.2110682.06  640.9310835.71  634.21
10889.94  628.6311096.69  626.2811341.85  633.4311633.58  630.1212250.55  625.09
13671.45  625.0913905.32  620.12 14506.5  620.1214969.01  625.1515027.38  630.18
15313.02  626.55 15319.8   621.515423.43  619.7816063.75  597.1916608.88  590.06
 16682.7  584.1716942.62  581.1617009.67  575.36 17115.2  567.6517572.44  567.65
17680.68   572.117784.45  590.06 17871.6  609.1117890.27  611.4718124.52  631.65
18556.93  637.4118984.65  639.0221059.56  634.8521172.79  634.8521398.31  635.59
21742.17  631.7422711.41  634.9122964.31  639.9424610.87  644.9724986.59  647.36
25402.39  651.6226041.54  664.1726261.63  665.0327356.68  665.0327980.93  660.06
   28250  660.0628814.01  655.0329047.57  652.1129216.13  650.7929353.69  646.41
29499.72   647.129788.61  653.4830104.73  656.2231183.68  675.3931836.35  677.96
32787.41  716.5132927.61  717.0633533.87  689.6433567.97  689.7735133.82  735.71
36158.94  735.5836352.96  738.3736698.72  754.6936739.45  755.4437040.68  756.03
37366.55  767.01 37521.9  769.8838282.74     790 38966.5  793.34 39311.3     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516608.88     .1517784.45     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16608.8817784.45                5       5       5             .1       .3
```

```
CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.84    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505782.00   217834.50   1773540.00
  E.G. Slope (ft/ft)      0.000082    Area (sq ft)            1505782.00   217834.50   1773540.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2874790.00   632554.80   3222655.00
  Top Width (ft)          35806.58    Top Width (ft)          15261.85    1175.57   19369.16
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.91       2.90       1.82
  Max Chl Dpth (ft)         192.19    Hydr. Depth (ft)           98.66     185.30      91.57
  Conv. Total (cfs)       745198200.0    Conv. (cfs)            318319200.0   70041420.0   356837600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15274.50    1177.99   19375.47
  Min Ch El (ft)            567.65    Shear (lb/sq ft)            0.50       0.94       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.96       2.73       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    103416.10   18614.27   124397.30
  C & E Loss (ft)             0.00    Cum SA (acres)            921.07      88.67    1092.20


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275416.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  191.33  792.27   622.5  776.12 1311.48  761.38 1484.85   753.9
 1761.73  746.82  1924.1  744.96 2263.65  744.96 2587.78  743.59 3458.35  721.55
 3527.98  717.86 3616.45  715.04 3627.42  714.89 3822.91  717.27 3997.32  714.96
 4135.94  712.53 4284.77  708.38 4648.57  699.56 5091.95  692.52 5421.92   690.7
 5563.91  689.25 5718.41  683.49 5784.88  678.13 6137.01  676.48 6476.24  678.47
 6613.09  679.92 6826.88  669.84 6988.57   664.8 7057.74  659.76 7105.34  659.76
 7251.45  663.28 7462.76  673.33 7523.94  672.73  7649.7  673.52 8002.72  666.61
 8049.25  668.62 8199.44  671.86 8484.19  656.12 8497.88   654.6 8665.65  644.51
 8800.39  643.89 9047.41  652.83 9217.19  652.05 9395.04  641.15 9575.93  637.62
 9716.06  625.61 9732.79  625.36 9819.93  615.28 9983.41  600.1610039.11  600.16
10079.93  604.76 10203.1   633.510307.69  645.28 10684.5  640.9910838.18  634.28
10892.43  628.7111099.22  626.3511344.44  633.4811636.24  630.1612253.35  625.12
13674.58  625.1213908.49  620.1614509.81  620.1614972.42   625.215030.81  630.24
15316.52   626.6 15323.3  621.5615426.95  619.8416067.42  597.2216612.67  590.08
16686.63  584.1916947.03  581.1817014.21  575.3717119.94  567.6517577.42  567.65
17685.83   572.117789.77  590.0817876.91  609.1117895.58  611.46 18129.8  631.61
18562.16  637.3718989.83  638.9821064.52   634.821177.73   634.821403.23  635.54
21747.05  631.7122716.18  634.8822969.06  639.9224615.43  644.9624991.11  647.35
25406.87  651.6226045.95  664.1826266.01  665.0427360.94  665.0427985.12  660.08
28254.16  660.0828818.11  655.0429051.64  652.1129220.18  650.7929357.73   646.4
29503.74  647.08 29792.6  653.4830108.68  656.2131187.51  675.3631840.11  677.94
32791.07  716.4232931.25  716.9833537.44  689.6233571.54  689.7535137.21  735.62
36162.23  735.5136356.22  738.3136701.94  754.6236742.67  755.3737043.87  755.98
 37369.7  766.9737525.03  769.8438285.79     79038969.47  793.3539314.24     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516612.67     .1517789.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16612.6717789.77                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.83    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505804.00   218104.30   1773895.00
  E.G. Slope (ft/ft)      0.000082    Area (sq ft)            1505804.00   218104.30   1773895.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2873757.00   633166.50   3223077.00
  Top Width (ft)          35810.86    Top Width (ft)          15265.38    1177.10   19368.39
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.91       2.90       1.82
  Max Chl Dpth (ft)         192.18    Hydr. Depth (ft)           98.64     185.29      91.59
  Conv. Total (cfs)       745369500.0    Conv. (cfs)            318278000.0   70125260.0   356966300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15278.03    1179.52   19374.68
  Min Ch El (ft)            567.65    Shear (lb/sq ft)            0.50       0.94       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.96       2.73       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    103243.30   18589.25   124193.70
  C & E Loss (ft)             0.00    Cum SA (acres)            919.32      88.53    1089.97


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275413.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  191.38  792.26  622.65   776.1 1311.78  761.38 1485.19  753.89
 1762.13  746.82 1924.54  744.95 2264.17  744.95 2588.38  743.58 3459.14  721.57
 3528.78  717.88 3617.28  715.05 3628.25   714.9 3823.79  717.26 3998.23  714.95
 4136.88  712.51 4285.74  708.36 4649.63  699.54 5093.11   692.5 5423.15  690.68
 5565.18  689.23 5719.72  683.46  5786.2   678.1 6138.41  676.44 6477.72  678.45
  6614.6   679.9 6828.44   669.8 6990.16  664.75 7059.35   659.7 7106.97   659.7
  7253.1  663.23 7464.47  673.27 7525.66  672.68 7651.44  673.49 8004.55  666.62
 8051.09  668.63 8201.31  671.91 8486.13   656.2 8499.82  654.69 8667.62  644.58
  8802.4  643.96 9049.48  652.93 9219.29  652.15 9397.19  641.23 9578.12   637.7
 9718.28   625.7 9735.02  625.45 9822.17  615.35 9985.69   600.2 10041.4   600.2
10082.23  604.8110205.43  633.5510310.04  645.3510686.94  641.0510840.66  634.35
10894.91  628.7811101.76  626.4211347.03  633.5311638.89   630.212256.15  625.15
 13677.7  625.1513911.67   620.214513.13   620.214975.84  625.2515034.24   630.3
15320.02  626.66 15326.8  621.6215430.47   619.916071.09  597.2416616.46   590.1
16690.56   584.216951.44   581.217018.75  575.3817124.67  567.6417582.39  567.64
17690.98  572.0917795.09   590.117882.21  609.1117900.88  611.4618135.08  631.57
 18567.4  637.3418995.02  638.9421069.47  634.7521182.67  634.7521408.14  635.49
21751.93  631.6722720.95  634.85 22973.8   639.924619.99  644.9524995.63  647.35
25411.34  651.6126050.35   664.226270.38  665.0527365.19  665.0527989.31   660.1
28258.31   660.128822.21  655.0529055.71  652.1229224.23  650.7929361.77  646.38
29507.77  647.0729796.59  653.4730112.63   656.231191.34  675.3331843.87  677.92
32794.73  716.3432934.89  716.8933541.02   689.633575.11  689.7335140.61  735.54
36165.51  735.4436359.48  738.2436705.16  754.5536745.89   755.337047.05  755.94
37372.85  766.9237528.16   769.838288.84     79038972.44  793.3639317.18     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516616.46     .1517795.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16616.4617795.09                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.83    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505837.00   218382.20   1774233.00
  E.G. Slope (ft/ft)      0.000081    Area (sq ft)            1505837.00   218382.20   1774233.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2872743.00   633813.60   3223444.00
  Top Width (ft)          35815.04    Top Width (ft)          15268.90    1178.63   19367.52
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.91       2.90       1.82
  Max Chl Dpth (ft)         192.19    Hydr. Depth (ft)           98.62     185.28      91.61
  Conv. Total (cfs)       745544400.0    Conv. (cfs)            318240300.0   70213400.0   357090800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15281.56    1181.05   19373.80
  Min Ch El (ft)            567.64    Shear (lb/sq ft)            0.50       0.94       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.96       2.73       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    103070.50   18564.20   123990.10
  C & E Loss (ft)             0.00    Cum SA (acres)            917.56      88.40    1087.75


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275410.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  191.42  792.26  622.79  776.09 1312.08  761.37 1485.52  753.88
 1762.53  746.81 1924.98  744.94 2264.68  744.94 2588.97  743.57 3459.93  721.58
 3529.59  717.89  3618.1  715.06 3629.07  714.91 3824.66  717.26 3999.14  714.94
 4137.82   712.5 4286.72  708.34 4650.69  699.52 5094.27  692.49 5424.39  690.66
 5566.45  689.21 5721.02  683.43 5787.52  678.06 6139.81  676.41  6479.2  678.43
 6616.11  679.88    6830  669.76 6991.76   664.7 7060.96  659.64 7108.59  659.64
 7254.76  663.17 7466.17  673.22 7527.38  672.64 7653.19  673.46 8006.37  666.63
 8052.93  668.65 8203.19  671.97 8488.07  656.29 8501.76  654.78  8669.6  644.65
 8804.41  644.03 9051.54  653.02 9221.39  652.24 9399.33  641.31 9580.31  637.77
 9720.49  625.79 9737.24  625.54 9824.41  615.42 9987.97  600.2410043.69  600.24
10084.53  604.8510207.76   633.6 10312.4  645.4210689.38  641.1110843.13  634.42
 10897.4  628.8611104.29  626.511349.62  633.5711641.55  630.2412258.95  625.18
13680.82  625.1813914.84  620.2414516.44  620.2414979.26   625.315037.68  630.36
15323.51  626.71 15330.3  621.68   15434  619.9616074.76  597.2716620.26  590.12
16694.49  584.2116955.86  581.2217023.29  575.39 17129.4  567.6417587.37  567.64
17696.13  572.09 17800.4  590.1217887.52  609.1117906.19  611.4618140.36  631.54
18572.63   637.3 19000.2   638.921074.43   634.721187.62   634.721413.06  635.44
21756.81  631.6322725.72  634.8222978.54  639.8824624.55  644.9425000.15  647.34
25415.82  651.6126054.75  664.2126274.76  665.0627369.45  665.06 27993.5  660.12
28262.47  660.12 28826.3  655.0629059.78  652.1229228.28  650.79 29365.8  646.37
29511.79  647.0529800.58  653.4630116.59   656.231195.18   675.331847.63  677.89
32798.38  716.2532938.54  716.8133544.59  689.5733578.68  689.7135144.01  735.45
36168.79  735.3736362.75  738.1836708.39  754.4836749.11  755.2437050.24  755.89
   37376  766.88 37531.3  769.7638291.89     79038975.41  793.3639320.11     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516620.26     .15 17800.4     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16620.26 17800.4                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.83    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505866.00   218650.20   1774597.00
  E.G. Slope (ft/ft)      0.000081    Area (sq ft)            1505866.00   218650.20   1774597.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2871700.00   634420.40   3223879.00
  Top Width (ft)          35819.50    Top Width (ft)          15272.61    1180.14   19366.74
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.91       2.90       1.82
  Max Chl Dpth (ft)         192.19    Hydr. Depth (ft)           98.60     185.27      91.63
  Conv. Total (cfs)       745718500.0    Conv. (cfs)            318199100.0   70297030.0   357222300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15285.27    1182.57   19373.01
  Min Ch El (ft)            567.64    Shear (lb/sq ft)            0.50       0.94       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.96       2.73       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    102897.60   18539.12   123786.40
  C & E Loss (ft)             0.00    Cum SA (acres)            915.81      88.26    1085.53


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275407.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  191.46  792.25  622.93  776.08 1312.38  761.37 1485.86  753.87
 1762.93   746.8 1925.42  744.93  2265.2  744.93 2589.56  743.55 3460.72   721.6
 3530.39  717.91 3618.93  715.07  3629.9  714.92 3825.53  717.25 4000.06  714.93
 4138.77  712.49  4287.7  708.33 4651.75   699.5 5095.43  692.47 5425.63  690.65
 5567.72   689.2 5722.33   683.4 5788.84  678.02 6141.21  676.38 6480.68   678.4
 6617.62  679.86 6831.56  669.72 6993.36  664.65 7062.57  659.58 7110.21  659.58
 7256.41  663.12 7467.88  673.17 7529.09  672.59 7654.94  673.43  8008.2  666.63
 8054.77  668.67 8205.06  672.03 8490.01  656.38  8503.7  654.87 8671.58  644.72
 8806.41  644.11 9053.61  653.12  9223.5  652.34 9401.48  641.39 9582.49  637.84
 9722.71  625.88 9739.46  625.63 9826.65  615.49 9990.25  600.2810045.98  600.28
10086.83   604.910210.09  633.6410314.75  645.4910691.82  641.1810845.61  634.49
10899.89  628.9411106.82  626.5711352.21  633.6211644.21  630.2812261.74  625.21
13683.94  625.2113918.02  620.2814519.75  620.2814982.68  625.3515041.11  630.42
15327.01  626.76 15333.8  621.7515437.52  620.0216078.43  597.2916624.05  590.14
16698.42  584.2216960.27  581.2417027.83   575.417134.14  567.6417592.35  567.64
17701.28  572.0817805.72  590.1417892.83  609.1117911.49  611.4618145.64   631.5
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18577.86  637.2719005.39  638.8521079.38  634.6521192.56  634.6521417.98  635.39
21761.69   631.622730.49  634.7922983.29  639.8624629.11  644.9325004.67  647.34
25420.29  651.6126059.16  664.2226279.14  665.0727373.71  665.0727997.69  660.14
28266.63  660.14 28830.4  655.0729063.85  652.1329232.34  650.7929369.84  646.36
29515.81  647.0429804.57  653.4630120.54  656.1931199.01  675.2731851.39  677.87
32802.04  716.1632942.18  716.7233548.16  689.5533582.25  689.6935147.41  735.36
36172.08  735.2936366.01  738.1236711.61  754.4136752.33  755.1737053.43  755.84
37379.15  766.8337534.43  769.7238294.93     79038978.39  793.3739323.05     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516624.05     .1517805.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16624.0517805.72                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.83    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505893.00   218922.30   1774961.00
  E.G. Slope (ft/ft)      0.000081    Area (sq ft)            1505893.00   218922.30   1774961.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2870666.00   635038.30   3224296.00
  Top Width (ft)          35823.88    Top Width (ft)          15276.13    1181.67   19366.07
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.91       2.90       1.82
  Max Chl Dpth (ft)         192.19    Hydr. Depth (ft)           98.58     185.27      91.65
  Conv. Total (cfs)       745894700.0    Conv. (cfs)            318159600.0   70382120.0   357352900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15288.80    1184.10   19372.33
  Min Ch El (ft)            567.64    Shear (lb/sq ft)            0.50       0.94       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.95       2.73       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    102724.80   18514.01   123582.70
  C & E Loss (ft)             0.00    Cum SA (acres)            914.06      88.13    1083.30


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275404.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  191.51  792.25  623.07  776.07 1312.68  761.37  1486.2  753.87
 1763.34   746.8 1925.86  744.92 2265.72  744.92 2590.15  743.54 3461.51  721.62
  3531.2  717.92 3619.75  715.08 3630.73  714.93 3826.41  717.25 4000.97  714.92
 4139.71  712.47 4288.68  708.31 4652.81  699.48  5096.6  692.46 5426.87  690.63
 5568.99  689.18 5723.63  683.38 5790.17  677.99 6142.61  676.34 6482.16  678.38
 6619.13  679.84 6833.11  669.68 6994.95   664.6 7064.18  659.52 7111.83  659.52
 7258.07  663.07 7469.58  673.12 7530.81  672.55 7656.68  673.41 8010.03  666.64
  8056.6  668.68 8206.93  672.08 8491.94  656.47 8505.64  654.95 8673.56  644.79
 8808.42  644.18 9055.67  653.21  9225.6  652.44 9403.62  641.47 9584.68  637.92
 9724.93  625.97 9741.68  625.72  9828.9  615.56 9992.53  600.3210048.27  600.32
10089.13  604.9510212.42  633.69 10317.1  645.5610694.26  641.2410848.08  634.55
10902.37  629.0111109.36  626.64 11354.8  633.6711646.86  630.3212264.54  625.24
13687.06  625.24 13921.2  620.3214523.07  620.32 14986.1   625.415044.54  630.48
15330.51  626.8215337.29  621.8115441.04  620.0816082.09  597.3216627.84  590.16
16702.35  584.2316964.68  581.2517032.36   575.417138.87  567.6417597.33  567.64
17706.43  572.0817811.04  590.1617898.14   609.1 17916.8  611.4518150.92  631.47
18583.09  637.2319010.57  638.8121084.34   634.6 21197.5   634.6 21422.9  635.34
21766.57  631.5622735.26  634.7622988.03  639.8424633.67  644.9225009.19  647.33
25424.77   651.626063.56  664.2326283.52  665.0827377.97  665.0828001.88  660.16
28270.79  660.16 28834.5  655.0829067.92  652.1329236.39  650.7829373.88  646.34
29519.83  647.0229808.55  653.4530124.49  656.1831202.85  675.2431855.16  677.84
 32805.7  716.0832945.82  716.6433551.74  689.5333585.82  689.67 35150.8  735.27
36175.36  735.2236369.27  738.0636714.84  754.3436755.55   755.137056.61  755.79
 37382.3  766.7837537.56  769.6838297.98     79038981.36  793.3839325.98     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516627.84     .1517811.04     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16627.8417811.04                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.83    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505909.00   219196.00   1775333.00
  E.G. Slope (ft/ft)      0.000081    Area (sq ft)            1505909.00   219196.00   1775333.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2869600.00   635663.80   3224736.00
  Top Width (ft)          35828.20    Top Width (ft)          15279.61    1183.20   19365.39
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.91       2.90       1.82
  Max Chl Dpth (ft)         192.19    Hydr. Depth (ft)           98.56     185.26      91.68
  Conv. Total (cfs)       746071300.0    Conv. (cfs)            318116800.0   70468130.0   357486300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15292.28    1185.63   19371.64
  Min Ch El (ft)            567.64    Shear (lb/sq ft)            0.50       0.94       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.95       2.72       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    102551.90   18488.86   123379.00
  C & E Loss (ft)             0.00    Cum SA (acres)            912.30      87.99    1081.08


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275401.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  191.55  792.24  623.21  776.06 1312.98  761.36 1486.54  753.86
 1763.74  746.79  1926.3  744.91 2266.23  744.91 2590.74  743.53  3462.3  721.63
    3532  717.94 3620.58  715.09 3631.56  714.94 3827.28  717.24 4001.88  714.91
 4140.66  712.46 4289.66  708.29 4653.87  699.46 5097.76  692.44 5428.11  690.61
 5570.26  689.16 5724.94  683.35 5791.49  677.95 6144.01  676.31 6483.63  678.36
 6620.64  679.82 6834.67  669.64 6996.55  664.55 7065.79  659.46 7113.46  659.46
 7259.72  663.01 7471.28  673.06 7532.53   672.5 7658.43  673.38 8011.86  666.65
 8058.44   668.7  8208.8  672.14 8493.88  656.56 8507.58  655.04 8675.54  644.87
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 8810.43  644.25 9057.74  653.31 9227.71  652.53 9405.77  641.54 9586.86  637.99
 9727.15  626.06 9743.91  625.81 9831.14  615.63 9994.81  600.3610050.57  600.36
10091.44     60510214.75  633.7410319.46  645.63 10696.7   641.310850.56  634.62
10904.86  629.0911111.89  626.7111357.39  633.7111649.52  630.3612267.34  625.27
13690.19  625.2713924.37  620.3614526.38  620.3614989.52  625.4515047.97  630.54
   15334  626.8715340.79  621.8715444.56  620.1516085.76  597.3516631.64  590.18
16706.28  584.25 16969.1  581.27 17036.9  575.4117143.61  567.6417602.31  567.64
17711.59  572.0717816.35  590.1817903.45   609.1 17922.1  611.45 18156.2  631.43
18588.32   637.219015.76  638.7721089.29  634.5521202.44  634.5521427.81   635.3
21771.45  631.5222740.04  634.7322992.78  639.8224638.23  644.9125013.71  647.33
25429.24   651.626067.96  664.24 26287.9  665.0927382.22  665.0928006.07  660.18
28274.95  660.1828838.59  655.0929071.99  652.1329240.44  650.7829377.91  646.33
29523.85  647.0129812.54  653.4430128.45  656.1731206.68  675.2131858.92  677.82
32809.36  715.9932949.46  716.5533555.31  689.5133589.39  689.65 35154.2  735.18
36178.64  735.1536372.54  737.9936718.06  754.2736758.77  755.03 37059.8  755.74
37385.45  766.74 37540.7  769.6438301.03     79038984.34  793.3839328.91     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516631.64     .1517816.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16631.6417816.35                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.83    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505941.00   219463.00   1775691.00
  E.G. Slope (ft/ft)      0.000081    Area (sq ft)            1505941.00   219463.00   1775691.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2868574.00   636266.40   3225160.00
  Top Width (ft)          35832.65    Top Width (ft)          15283.32    1184.71   19364.62
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.90       2.90       1.82
  Max Chl Dpth (ft)         192.19    Hydr. Depth (ft)           98.53     185.25      91.70
  Conv. Total (cfs)       746244200.0    Conv. (cfs)             318076800.0   70551280.0   357616200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15296.00    1187.14   19370.85
  Min Ch El (ft)            567.64    Shear (lb/sq ft)            0.50       0.94       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.95       2.72       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    102379.00   18463.69   123175.20
  C & E Loss (ft)             0.00    Cum SA (acres)            910.55      87.86    1078.86


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275398.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  191.59  792.24  623.36  776.04 1313.28  761.36 1486.88  753.85
 1764.14  746.79 1926.74   744.9 2266.75   744.9 2591.33  743.52 3463.09  721.65
 3532.81  717.95  3621.4   715.1 3632.39  714.95 3828.15  717.24 4002.79   714.9
  4141.6  712.44 4290.63  708.27 4654.93  699.45 5098.92  692.43 5429.34  690.59
 5571.53  689.14 5726.24  683.32 5792.81  677.91 6145.41  676.28 6485.11  678.33
 6622.15   679.8 6836.23   669.6 6998.14   664.5  7067.4   659.4 7115.08   659.4
 7261.38  662.96 7472.99  673.01 7534.25  672.46 7660.18  673.35 8013.68  666.66
 8060.28  668.72 8210.67   672.2 8495.82  656.65 8509.52  655.13 8677.52  644.94
 8812.44  644.33 9059.81   653.4 9229.81  652.63 9407.91  641.62 9589.05  638.07
 9729.37  626.15 9746.13   625.9 9833.38   615.7 9997.09   600.410052.86   600.4
10093.74  605.0510217.08  633.7810321.81   645.710699.14  641.3610853.03  634.69
10907.35  629.1711114.43  626.7811359.98  633.7611652.18   630.412270.14   625.3
13693.31   625.313927.55   620.414529.69   620.414992.94   625.5 15051.4   630.6
 15337.5  626.9215344.29  621.9315448.08  620.2116089.43  597.3716635.43   590.2
16710.21  584.2616973.51  581.2917041.44  575.4217148.34  567.6417607.29  567.64
17716.74  572.0717821.67   590.217908.75   609.117927.41  611.4518161.48  631.39
18593.55  637.1619020.94  638.7321094.25   634.521207.38   634.521432.73  635.25
21776.32  631.4922744.81   634.722997.52   639.8 24642.8   644.925018.23  647.32
25433.71   651.626072.37  664.2526292.28   665.127386.48   665.128010.25   660.2
28279.11   660.228842.69   655.129076.06  652.1429244.49  650.7829381.95  646.32
29527.87     64729816.53  653.43 30132.4  656.1731210.52  675.1831862.68   677.8
32813.01   715.9 32953.1  716.4733558.89  689.4933592.96  689.63 35157.6   735.1
36181.93  735.08 36375.8  737.9336721.29   754.236761.99  754.9637062.99   755.7
 37388.6  766.6937543.83   769.638304.08     79038987.31  793.3939331.85     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516635.43     .1517821.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16635.4317821.67                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.83    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505959.00   219734.40   1776021.00
  E.G. Slope (ft/ft)      0.000081    Area (sq ft)            1505959.00   219734.40   1776021.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2867561.00   636890.30   3225549.00
  Top Width (ft)          35836.84    Top Width (ft)          15286.84    1186.24   19363.76
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.90       2.90       1.82
  Max Chl Dpth (ft)         192.19    Hydr. Depth (ft)           98.51     185.24      91.72
  Conv. Total (cfs)       746407900.0    Conv. (cfs)             318034200.0   70635950.0   357737800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15299.52    1188.67   19369.98
  Min Ch El (ft)            567.64    Shear (lb/sq ft)            0.50       0.94       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.95       2.72       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    102206.20   18438.48   122971.30
  C & E Loss (ft)             0.00    Cum SA (acres)            908.79      87.72    1076.64


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275395.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
```

```
       0     800  191.64  792.23   623.5  776.03 1313.58  761.36 1487.22  753.84
 1764.54  746.78 1927.18  744.89 2267.27  744.89 2591.92   743.5 3463.88  721.67
 3533.61  717.97 3622.23  715.11 3633.22  714.96 3829.02  717.23 4003.71  714.89
 4142.55  712.43 4291.61  708.26    4656  699.43 5100.08  692.41 5430.58  690.57
  5572.8  689.12 5727.55  683.29 5794.13  677.88 6146.81  676.24 6486.59  678.31
 6623.66  679.78 6837.79  669.56 6999.74  664.45 7069.02  659.34  7116.7  659.34
 7263.04  662.91 7474.69  672.96 7535.96  672.41 7661.92  673.33 8015.51  666.66
 8062.12  668.74 8212.55  672.25 8497.75  656.74 8511.46  655.22  8679.5  645.01
 8814.45   644.4 9061.87   653.5 9231.92  652.73 9410.06   641.7 9591.24  638.14
 9731.59  626.24 9748.35  625.99 9835.62  615.77 9999.37  600.4410055.15  600.44
10096.04   605.110219.41  633.8310324.16  645.7710701.58  641.4210855.51  634.76
10909.83  629.2411116.96  626.8611362.57  633.8111654.83  630.4412272.93  625.33
13696.43  625.3313930.72  620.44   14533  620.4414996.35  625.5515054.83  630.66
   15341  626.9715347.79     62215451.61  620.27 16093.1   597.416639.22  590.22
16714.14  584.2716977.92  581.3117045.98  575.4317153.07  567.6417612.27  567.64
17721.89  572.0717826.99  590.2217914.06   609.117932.71  611.4418166.76  631.36
18598.79  637.1319026.12  638.69 21099.2  634.4521212.33  634.4521437.65   635.2
 21781.2  631.4522749.58  634.6723002.26  639.7824647.36  644.8925022.75  647.32
25438.19  651.5926076.77  664.2726296.66  665.1127390.74  665.1128014.44  660.22
28283.27  660.2228846.79  655.1129080.13  652.1429248.54  650.7829385.99  646.31
29531.89  646.9829820.52  653.4330136.36  656.1631214.35  675.1631866.44  677.77
32816.67  715.8232956.74  716.3833562.46  689.4733596.54  689.61   35161  735.01
36185.21  735.0136379.06  737.8736724.51  754.1336765.21  754.8937066.17  755.65
37391.75  766.6537546.96  769.5638307.13     79038990.28   793.439334.79     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516639.22     .1517826.99     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16639.2217826.99                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.83    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505985.00   220005.40   1776369.00
  E.G. Slope (ft/ft)      0.000081    Area (sq ft)            1505985.00   220005.40   1776369.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2866544.00   637506.00   3225950.00
  Top Width (ft)          35841.10    Top Width (ft)          15290.36    1187.77   19362.97
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.90       2.90       1.82
  Max Chl Dpth (ft)         192.19    Hydr. Depth (ft)           98.49     185.23      91.74
  Conv. Total (cfs)       746579500.0    Conv. (cfs)             317994500.0   70720500.0   357864500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15303.04    1190.20   19369.17
  Min Ch El (ft)            567.64    Shear (lb/sq ft)            0.50       0.94       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.95       2.72       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    102033.30   18413.24   122767.40
  C & E Loss (ft)             0.00    Cum SA (acres)            907.04      87.58    1074.41


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275393.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  191.68  792.23  623.64  776.02 1313.88  761.36 1487.56  753.83
 1764.95  746.77 1927.62  744.88 2267.78  744.88 2592.51  743.49 3464.67  721.69
 3534.42  717.99 3623.06  715.12 3634.04  714.97  3829.9  717.22 4004.62  714.88
 4143.49  712.41 4292.59  708.24 4657.06  699.41 5101.25   692.4 5431.82  690.55
 5574.07   689.1 5728.85  683.27 5795.45  677.84 6148.21  676.21 6488.07  678.29
 6625.17  679.76 6839.35  669.52 7001.33   664.4 7070.63  659.28 7118.32  659.28
 7264.69  662.85 7476.39   672.9 7537.68  672.36 7663.67   673.3 8017.34  666.67
 8063.96  668.75 8214.42  672.31 8499.69  656.82  8513.4  655.31 8681.47  645.08
 8816.46  644.47 9063.94  653.59 9234.02  652.82  9412.2  641.78 9593.42  638.22
  9733.8  626.33 9750.57  626.08 9837.86  615.8410001.65  600.4810057.44  600.48
10098.34  605.1510221.74  633.8810326.52  645.8410704.01  641.4810857.98  634.83
10912.32  629.32 11119.5  626.9311365.16  633.8511657.49  630.4812275.73  625.36
13699.55  625.36 13933.9  620.4814536.32  620.4814999.77   625.615058.27  630.72
 15344.5  627.0315351.29  622.0615455.13  620.3316096.77  597.4216643.02  590.24
16718.07  584.2816982.33  581.3217050.52  575.4417157.81  567.6417617.25  567.64
17727.04  572.06 17832.3  590.2417919.37   609.117938.02  611.4418172.04  631.32
18604.02  637.0919031.31  638.6421104.15   634.421217.27   634.421442.56  635.15
21786.08  631.4122754.35  634.6423007.01  639.7624651.92  644.8825027.27  647.31
25442.66  651.5926081.17  664.2826301.04  665.12   27395  665.1228018.63  660.24
28287.43  660.2428850.88  655.12 29084.2  652.15 29252.6  650.7829390.03  646.29
29535.91  646.9729824.51  653.4230140.31  656.1531218.18  675.1331870.21  677.75
32820.32  715.7332960.38  716.2933566.04  689.4533600.11  689.5935164.39  734.92
 36188.5  734.9436382.32   737.836727.73  754.0636768.43  754.8237069.36   755.6
 37394.9   766.637550.09  769.5238310.18     79038993.25   793.439337.72     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516643.02     .15 17832.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16643.02 17832.3                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.83    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506018.00   220276.00   1776750.00
  E.G. Slope (ft/ft)      0.000081    Area (sq ft)            1506018.00   220276.00   1776750.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2865503.00   638114.80   3226383.00
  Top Width (ft)          35845.47    Top Width (ft)          15293.89    1189.28   19362.30
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.90       2.90       1.82
  Max Chl Dpth (ft)         192.19    Hydr. Depth (ft)           98.47     185.22      91.76
  Conv. Total (cfs)       746763500.0    Conv. (cfs)             317957300.0   70805470.0   358000700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15306.58    1191.72   19368.49
  Min Ch El (ft)            567.64    Shear (lb/sq ft)            0.50       0.94       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.95       2.72       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    101860.50   18387.97   122563.50
  C & E Loss (ft)             0.00    Cum SA (acres)            905.28      87.45    1072.19


CROSS SECTION
```

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RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275390.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  191.73  792.23  623.78  776.01 1314.17  761.35  1487.9  753.83
 1765.35  746.77 1928.06  744.87  2268.3  744.87  2593.1  743.48 3465.46   721.7
 3535.22     718 3623.88  715.13 3634.87  714.98 3830.77  717.22 4005.53  714.87
 4144.43   712.4 4293.57  708.22 4658.12  699.39 5102.41  692.39 5433.06  690.54
 5575.34  689.08 5730.16  683.24 5796.77   677.8 6149.62  676.18 6489.55  678.27
 6626.68  679.74 6840.91  669.48 7002.93  664.35 7072.24  659.22 7119.94  659.22
 7266.35   662.8  7478.1  672.85  7539.4  672.32 7665.42  673.27 8019.16  666.68
 8065.79  668.77 8216.29  672.37 8501.63  656.91 8515.34   655.4 8683.45  645.15
 8818.47  644.54    9066  653.69 9236.13  652.92 9414.35  641.86 9595.61  638.29
 9736.02  626.42 9752.79  626.17 9840.11  615.9110003.93  600.5210059.74  600.52
10100.64   605.210224.07  633.9210328.87  645.9110706.45  641.5510860.45  634.89
10914.81   629.411122.03     62711367.75   633.911660.15  630.5212278.53  625.39
13702.68  625.3913937.07  620.5214539.63  620.5215003.19  625.65 15061.7  630.78
15347.99  627.0815354.79  622.1215458.65  620.3916100.44  597.4516646.81  590.26
   16722  584.2916986.75  581.3417055.05  575.4517162.54  567.6417622.23  567.64
17732.19  572.0617837.62  590.2617924.67  609.0917943.32  611.4418177.32  631.28
18609.25  637.0619036.49   638.621109.11  634.3521222.21  634.3521447.48   635.1
21790.96  631.3822759.12  634.6123011.75  639.7424656.48  644.8725031.79  647.31
25447.13  651.5926085.58  664.2926305.42  665.1327399.26  665.1328022.82  660.26
28291.59  660.2628854.98  655.1329088.27  652.1529256.65  650.7829394.06  646.28
29539.93  646.95 29828.5  653.4130144.26  656.1431222.02   675.131873.97  677.73
32823.98  715.6432964.02  716.2133569.61  689.4333603.68  689.5735167.79  734.83
36191.78  734.8736385.59  737.7436730.96  753.9936771.64  754.7537072.55  755.55
37398.05  766.5637553.23  769.4838313.23     79038996.23  793.4139340.66     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516646.81     .1517837.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16646.8117837.62                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.83    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506031.00   220546.60   1777099.00
  E.G. Slope (ft/ft)      0.000081    Area (sq ft)            1506031.00   220546.60   1777099.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2864450.00   638734.40   3226815.00
  Top Width (ft)          35849.88    Top Width (ft)          15297.56    1190.81   19361.51
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.90       2.90       1.82
  Max Chl Dpth (ft)         192.19    Hydr. Depth (ft)           98.45     185.21      91.79
  Conv. Total (cfs)       746928600.0    Conv. (cfs)            317910800.0   70889900.0   358127900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15310.25    1193.25   19367.69
  Min Ch El (ft)            567.64    Shear (lb/sq ft)            0.50       0.94       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      0.95       2.71       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    101687.60   18362.67   122359.60
  C & E Loss (ft)             0.00    Cum SA (acres)            903.53      87.31    1069.97


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275387.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  191.77  792.22  623.92  775.99 1314.47  761.35 1488.24  753.82
 1765.75  746.76  1928.5  744.86 2268.82  744.86 2593.69  743.47 3466.25  721.72
 3536.03  718.02 3624.71  715.14  3635.7  714.99 3831.64  717.21 4006.44  714.86
 4145.38  712.38 4294.55  708.21 4659.18  699.37 5103.57  692.37  5434.3  690.52
 5576.61  689.07 5731.47  683.21 5798.09  677.77 6151.02  676.14 6491.03  678.24
 6628.19  679.72 6842.47  669.44 7004.52   664.3 7073.85  659.16 7121.57  659.16
    7268  662.75  7479.8   672.8 7541.12  672.27 7667.16  673.24 8020.99  666.68
 8067.63  668.79 8218.16  672.42 8503.57     657 8517.28  655.48 8685.43  645.22
 8820.48  644.62 9068.07  653.78 9238.23  653.02 9416.49  641.94  9597.8  638.37
 9738.24  626.51 9755.02  626.26 9842.35  615.9810006.21  600.5610062.03  600.56
10102.94  605.25 10226.4  633.9710331.22  645.9810708.89  641.6110862.93  634.96
10917.29  629.4711124.56  627.0711370.34  633.95 11662.8  630.5612281.33  625.42
 13705.8  625.4213940.25  620.5614542.94  620.5615006.61   625.715065.13  630.84
15351.49  627.1315358.29  622.1815462.17  620.4516104.11  597.48 16650.6  590.28
16725.93   584.316991.16  581.3617059.59  575.4617167.28  567.6317627.21  567.63
17737.34  572.0517842.94  590.2817929.98  609.0917948.63  611.43 18182.6  631.25
18614.48  637.0219041.68  638.5621114.06   634.321227.15   634.3 21452.4  635.05
21795.84  631.3422763.89  634.58 23016.5  639.7224661.04  644.8625036.31   647.3
25451.61  651.5826089.98   664.326309.79  665.1427403.51  665.1428027.01  660.28
28295.74  660.2828859.08  655.1429092.34  652.15 29260.7  650.77 29398.1  646.27
29543.95  646.9429832.49  653.4130148.22  656.1431225.85  675.0731877.73   677.7
32827.64  715.5632967.66  716.1233573.18  689.4133607.25  689.5535171.19  734.74
36195.07  734.7936388.85  737.6836734.18  753.9236774.86  754.6937075.73  755.51
 37401.2  766.5137556.36  769.4438316.28     790 38999.2  793.4239343.59     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 16650.6     .1517842.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       16650.617842.94                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.83    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506057.00   220824.60   1777463.00
  E.G. Slope (ft/ft)      0.000081    Area (sq ft)            1506057.00   220824.60   1777463.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2863398.00   639373.20   3227230.00
  Top Width (ft)          35854.06    Top Width (ft)          15301.08    1192.34   19360.64
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.90       2.90       1.82
  Max Chl Dpth (ft)         192.20    Hydr. Depth (ft)           98.43     185.20      91.81
  Conv. Total (cfs)       747110000.0    Conv. (cfs)            317871200.0   70978020.0   358260800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15313.78    1194.78   19366.80
```

```
  Min Ch El (ft)            567.63    Shear (lb/sq ft)            0.50       0.94       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.95       2.71       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    101514.70   18337.34   122155.60
  C & E Loss (ft)             0.00    Cum SA (acres)            901.77      87.17    1067.75


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275384.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  191.81  792.22  624.07  775.98 1314.77  761.35 1488.58  753.81
 1766.15  746.75 1928.93  744.85 2269.33  744.85 2594.28  743.45 3467.04  721.74
 3536.84  718.03 3625.53  715.15 3636.53     715 3832.52  717.21 4007.36  714.85
 4146.32  712.37 4295.53  708.19 4660.24  699.35 5104.73  692.36 5435.53   690.5
 5577.88  689.05 5732.77  683.19 5799.41  677.73 6152.42  676.11 6492.51  678.22
  6629.7   679.7 6844.03   669.4 7006.12  664.25 7075.46   659.1 7123.19   659.1
 7269.66   662.7 7481.51  672.74 7542.84  672.23 7668.91  673.22 8022.82  666.69
 8069.47   668.8 8220.03  672.48  8505.5  657.09 8519.22  655.57 8687.41   645.3
 8822.49  644.69 9070.13  653.88 9240.33  653.11 9418.64  642.01 9599.98  638.44
 9740.46  626.61 9757.24  626.35 9844.59  616.0510008.49   600.610064.32   600.6
10105.25   605.310228.73  634.0210333.58  646.0510711.33  641.67 10865.4  635.03
10919.78  629.55 11127.1  627.1511372.93  633.9911665.46   630.612284.12  625.45
13708.92  625.4513943.42   620.614546.25   620.615010.03  625.7515068.56   630.9
15354.99  627.1915361.79  622.25 15465.7  620.5116107.77   597.516654.39   590.3
16729.86  584.3216995.57  581.3817064.13  575.4717172.01  567.6317632.19  567.63
17742.49  572.0517848.26   590.317935.29  609.0917953.93  611.4318187.88  631.21
18619.71  636.9919046.86  638.5221119.02  634.25 21232.1  634.2521457.31     635
21800.72  631.3122768.67  634.5523021.24   639.7 24665.6  644.8525040.83  647.29
25456.08  651.5826094.38  664.3126314.17  665.1527407.77  665.15 28031.2   660.3
 28299.9   660.328863.17  655.1529096.42  652.1629264.75  650.7729402.13  646.25
29547.97  646.9229836.48   653.430152.17  656.1331229.69  675.0431881.49  677.68
 32831.3  715.47 32971.3  716.0433576.76  689.3933610.82  689.5335174.58  734.66
36198.35  734.7236392.11  737.6236737.41  753.8536778.09  754.6237078.92  755.46
37404.35  766.4737559.49   769.438319.32     79039002.17  793.4239346.52     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516654.39     .1517848.26     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16654.3917848.26               5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.83    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506082.00   221093.80   1777801.00
  E.G. Slope (ft/ft)      0.000081    Area (sq ft)            1506082.00   221093.80   1777801.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2862399.00   639982.90   3227619.00
  Top Width (ft)          35858.32    Top Width (ft)          15304.60    1193.87   19359.85
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.90       2.89       1.82
  Max Chl Dpth (ft)         192.20    Hydr. Depth (ft)           98.41     185.19      91.83
  Conv. Total (cfs)       747277500.0    Conv. (cfs)             317831500.0   71061630.0   358384400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15317.30    1196.31   19366.00
  Min Ch El (ft)            567.63    Shear (lb/sq ft)            0.50       0.94       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.95       2.71       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    101341.80   18311.98   121951.50
  C & E Loss (ft)             0.00    Cum SA (acres)            900.02      87.04    1065.52


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275381.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  191.86  792.21  624.21  775.97 1315.07  761.34 1488.91   753.8
 1766.55  746.75 1929.37  744.84 2269.85  744.84 2594.87  743.44 3467.83  721.75
 3537.64  718.05 3626.36  715.16 3637.36  715.01 3833.39   717.2 4008.27  714.84
 4147.27  712.35  4296.5  708.17  4661.3  699.33  5105.9  692.34 5436.77  690.48
 5579.15  689.03 5734.08  683.16 5800.73  677.69 6153.82  676.08 6493.99   678.2
 6631.21  679.68 6845.58  669.36 7007.72   664.2 7077.07  659.04 7124.81  659.04
 7271.31  662.64 7483.21  672.69 7544.55  672.18 7670.66  673.19 8024.65   666.7
 8071.31  668.82 8221.91  672.54 8507.44  657.18 8521.16  655.66 8689.39  645.37
  8824.5  644.76  9072.2  653.97 9242.44  653.21 9420.78  642.09 9602.17  638.52
 9742.68   626.7 9759.46  626.44 9846.83  616.1210010.77  600.6410066.61  600.64
10107.55  605.3510231.06  634.0610335.93  646.1210713.77  641.7310867.88   635.1
10922.27  629.6311129.63  627.2211375.52  634.0411668.12  630.6412286.92  625.48
13712.04  625.48 13946.6  620.6414549.57  620.6415013.45   625.815071.99  630.96
15358.48  627.2415365.28  622.3115469.22  620.5716111.44  597.5316658.19  590.32
16733.79  584.3316999.99   581.417068.67  575.4817176.74  567.6317637.16  567.63
17747.65  572.0417853.57  590.32 17940.6  609.0917959.24  611.4318193.16  631.17
18624.94  636.9519052.04  638.4821123.97   634.221237.04   634.221462.23  634.96
 21805.6  631.2722773.44  634.5223025.98  639.6824670.17  644.8425045.35  647.29
25460.56  651.5826098.79  664.3226318.55  665.1627412.03  665.1628035.39  660.32
28304.06  660.3228867.27  655.1629100.49  652.16 29268.8  650.7729406.17  646.24
29551.99  646.9129840.46  653.3930156.12  656.1231233.52  675.0131885.25  677.65
32834.95  715.3932974.95  715.9533580.33  689.3733614.39  689.5135177.98  734.57
36201.63  734.6536395.37  737.5536740.63  753.78 36781.3  754.5537082.11  755.41
 37407.5  766.4237562.62  769.3638322.38     79039005.15  793.4339349.46     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516658.19     .1517853.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16658.1917853.57               5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.83    Reach Len. (ft)             5.00       5.00       5.00
```

```
  Crit W.S. (ft)                      Flow Area (sq ft)       1506111.00   221362.70   1778165.00
  E.G. Slope (ft/ft)      0.000081    Area (sq ft)            1506111.00   221362.70   1778165.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2861363.00   640591.20   3228046.00
  Top Width (ft)          35862.88    Top Width (ft)          15308.31    1195.38   19359.18
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.90       2.89       1.82
  Max Chl Dpth (ft)         192.20    Hydr. Depth (ft)           98.39     185.18      91.85
  Conv. Total (cfs)       747450900.0    Conv. (cfs)             317790200.0   71145690.0   358515000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15321.02    1197.83   19365.32
  Min Ch El (ft)            567.63    Shear (lb/sq ft)            0.50       0.94       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.95       2.71       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    101169.00   18286.59   121747.40
  C & E Loss (ft)             0.00    Cum SA (acres)            898.26      86.90    1063.30


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275378.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   191.9  792.21  624.35  775.96 1315.37  761.34 1489.25   753.8
 1766.96  746.74 1929.81  744.83 2270.37  744.83 2595.47  743.43 3468.62  721.77
 3538.45  718.06 3627.18  715.17 3638.19  715.02 3834.26   717.2 4009.18  714.83
 4148.21  712.34 4297.48  708.16 4662.36  699.31 5107.06  692.33 5438.01  690.46
 5580.42  689.01 5735.38  683.13 5802.05  677.66 6155.22  676.04 6495.46  678.17
 6632.72  679.66 6847.14  669.32 7009.31  664.15 7078.68  658.98 7126.43  658.98
 7272.97  662.59 7484.91  672.64 7546.27  672.13  7672.4  673.16 8026.47   666.7
 8073.14  668.84 8223.78   672.6 8509.38  657.27  8523.1  655.75 8691.37  645.44
 8826.51  644.83 9074.27  654.07 9244.54  653.31 9422.93  642.17 9604.36  638.59
  9744.9  626.79 9761.68  626.53 9849.07  616.1910013.04  600.68 10068.9  600.68
10109.85  605.3910233.39  634.1110338.28  646.1910716.21  641.7910870.35  635.17
10924.76   629.711132.17  627.2911378.11  634.0911670.77  630.6812289.72  625.51
13715.16  625.5113949.78  620.6814552.88  620.6815016.87  625.8515075.43  631.02
15361.98  627.2915368.78  622.3715472.74  620.6316115.11  597.5516661.98  590.34
16737.72  584.34 17004.4  581.4117073.21  575.4917181.48  567.6317642.14  567.63
 17752.8  572.0417858.89  590.34 17945.9  609.0917964.54  611.4318198.44  631.14
18630.17  636.9219057.23  638.4421128.93  634.1521241.98  634.1521467.15  634.91
21810.48  631.2322778.21  634.4923030.73  639.6624674.73  644.8325049.87  647.28
25465.03  651.5826103.19  664.3426322.93  665.1727416.29  665.1728039.58  660.34
28308.22  660.3428871.37  655.1729104.56  652.1729272.86  650.7729410.21  646.23
29556.01   646.929844.45  653.3930160.08  656.1131237.36  674.9831889.02  677.63
32838.61   715.332978.59  715.8733583.91  689.3533617.96  689.4935181.38  734.48
36204.92  734.5836398.63  737.4936743.86  753.7136784.52  754.4837085.29  755.36
37410.65  766.3737565.76  769.3238325.42     79039008.12  793.4439352.39     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516661.98     .1517858.89     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16661.9817858.89                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.83    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506135.00   221635.20   1778508.00
  E.G. Slope (ft/ft)      0.000081    Area (sq ft)            1506135.00   221635.20   1778508.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2860355.00   641214.00   3228431.00
  Top Width (ft)          35867.19    Top Width (ft)          15311.79    1196.91   19358.49
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.90       2.89       1.82
  Max Chl Dpth (ft)         192.20    Hydr. Depth (ft)           98.36     185.17      91.87
  Conv. Total (cfs)       747620700.0    Conv. (cfs)             317750500.0   71231040.0   358639200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15324.50    1199.36   19364.62
  Min Ch El (ft)            567.63    Shear (lb/sq ft)            0.50       0.93       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.94       2.70       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    100996.10   18261.16   121543.30
  C & E Loss (ft)             0.00    Cum SA (acres)            896.50      86.76    1061.08


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275375.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   191.94   792.2  624.49  775.94 1315.67  761.34 1489.59  753.79
 1767.36  746.73 1930.25  744.82 2270.89  744.82 2596.06  743.41 3469.41  721.79
 3539.25  718.08 3628.01  715.18 3639.01  715.03 3835.13  717.19 4010.09  714.82
 4149.16  712.32 4298.46  708.14 4663.42  699.29 5108.22  692.31 5439.25  690.44
 5581.69  688.99 5736.69   683.1 5803.37  677.62 6156.62  676.01 6496.94  678.15
 6634.23  679.64  6848.7  669.28 7010.91   664.1  7080.3  658.92 7128.06  658.92
 7274.63  662.54 7486.62  672.59 7547.99  672.09 7674.15  673.13  8028.3  666.71
 8074.98  668.86 8225.65  672.65 8511.31  657.36 8525.04  655.84 8693.34  645.51
 8828.52  644.91 9076.33  654.16 9246.65   653.4 9425.07  642.25 9606.54  638.67
 9747.11  626.88 9763.91  626.62 9851.32  616.2610015.33  600.72 10071.2  600.72
10112.15  605.4410235.72  634.1610340.64  646.2610718.65  641.8510872.83  635.23
10927.24  629.78 11134.7  627.36 11380.7  634.1311673.43  630.7212292.52  625.54
13718.29  625.5413952.95  620.7214556.19  620.7215020.28   625.915078.86  631.08
15365.48  627.3415372.28  622.4415476.26  620.6916118.78  597.5816665.77  590.36
16741.65  584.3517008.81  581.4317077.74   575.517186.21  567.6317647.12  567.63
17757.95  572.0417864.21  590.3617951.21  609.0917969.85  611.4218203.71   631.1
18635.41  636.8819062.41  638.3921133.88   634.121246.92   634.121472.07  634.86
21815.36   631.222782.98  634.4623035.47  639.6424679.29  644.8225054.39  647.28
25469.51  651.5726107.59  664.3526327.31  665.1827420.54  665.1828043.76  660.36
28312.38  660.3628875.46  655.1829108.63  652.1729276.91  650.7729414.25  646.22
29560.04  646.8829848.44  653.3830164.03  656.1131241.19  674.9531892.78  677.61
32842.27  715.2132982.23  715.7833587.48  689.3333621.53  689.4735184.78  734.39
 36208.2  734.5136401.89  737.4336747.08  753.6436787.74  754.4137088.48  755.32
 37413.8  766.3337568.89  769.2838328.47     79039011.09  793.4439355.33     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516665.77     .1517864.21     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16665.7717864.21                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.83    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506167.00   221906.40   1778874.00
  E.G. Slope (ft/ft)      0.000081    Area (sq ft)            1506167.00   221906.40   1778874.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2859322.00   641819.00   3228859.00
  Top Width (ft)          35871.27    Top Width (ft)          15315.31    1198.44   19357.52
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.90       2.89       1.82
  Max Chl Dpth (ft)         192.20    Hydr. Depth (ft)           98.34     185.16      91.90
  Conv. Total (cfs)       747803100.0    Conv. (cfs)            317713200.0   71315630.0   358774200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15328.01    1200.89   19363.63
  Min Ch El (ft)            567.63    Shear (lb/sq ft)            0.50       0.93       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.94       2.70       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    100823.20   18235.71   121339.10
  C & E Loss (ft)             0.00    Cum SA (acres)            894.74      86.62    1058.86


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275372.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  191.99   792.2  624.64  775.93 1315.97  761.34 1489.93  753.78
 1767.76  746.73 1930.69  744.81  2271.4  744.81 2596.65   743.4  3470.2   721.8
 3540.06  718.09 3628.84  715.19 3639.84  715.04 3836.01  717.19 4011.01  714.81
  4150.1  712.31 4299.44  708.12 4664.49  699.27 5109.38   692.3 5440.49  690.43
 5582.96  688.97 5737.99  683.08 5804.69  677.58 6158.02  675.98 6498.42  678.13
 6635.74  679.62 6850.26  669.24  7012.5  664.05 7081.91  658.86 7129.68  658.86
 7276.28  662.48 7488.32  672.53 7549.71  672.04  7675.9  673.11 8030.13  666.72
 8076.82  668.87 8227.52  672.71 8513.25  657.44 8526.98  655.93 8695.32  645.58
 8830.53  644.98  9078.4  654.26 9248.75   653.5 9427.22  642.33 9608.73  638.74
 9749.33  626.97 9766.13  626.71 9853.56  616.33 10017.6  600.7610073.49  600.76
10114.45  605.4910238.05   634.210342.99  646.3310721.09  641.91 10875.3   635.3
10929.73  629.8611137.23  627.4311383.29  634.1811676.09  630.7612295.32  625.57
13721.41  625.5713956.13  620.7614559.51  620.76 15023.7  625.9515082.29  631.14
15368.98   627.415375.78   622.515479.79  620.7516122.45   597.616669.57  590.38
16745.58  584.3617013.23  581.4517082.28  575.5117190.95  567.63 17652.1  567.63
 17763.1  572.0317869.52  590.3817956.52  609.0817975.15  611.4218208.99  631.06
18640.64  636.85 19067.6  638.3521138.84  634.0521251.86  634.0521476.98  634.81
21820.24  631.1622787.75  634.4323040.21  639.6224683.85  644.8125058.91  647.27
25473.98  651.57   26112  664.3626331.69  665.19 27424.8  665.1928047.95  660.38
28316.54  660.3828879.56  655.19 29112.7  652.1829280.96  650.7729418.28   646.2
29564.05  646.8729852.43  653.3730167.99   656.131245.02  674.9231896.54  677.58
32845.93  715.1332985.87   715.733591.05  689.31 33625.1  689.4535188.17   734.3
36211.48  734.4436405.16  737.36 36750.3  753.5736790.96  754.3437091.66  755.27
37416.95  766.2837572.02  769.2438331.52     79039014.07  793.4539358.27     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516669.57     .1517869.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16669.5717869.52                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.83    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506191.00   222174.40   1779237.00
  E.G. Slope (ft/ft)      0.000081    Area (sq ft)            1506191.00   222174.40   1779237.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2858292.00   642423.30   3229285.00
  Top Width (ft)          35875.63    Top Width (ft)          15318.84    1199.95   19356.84
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.90       2.89       1.81
  Max Chl Dpth (ft)         192.20    Hydr. Depth (ft)           98.32     185.15      91.92
  Conv. Total (cfs)       747976800.0    Conv. (cfs)            317672500.0   71399370.0   358904900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15331.56    1202.40   19362.95
  Min Ch El (ft)            567.63    Shear (lb/sq ft)            0.50       0.93       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.94       2.70       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    100650.30   18210.22   121134.90
  C & E Loss (ft)             0.00    Cum SA (acres)            892.99      86.49    1056.63


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275369.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  192.03  792.19  624.78  775.92 1316.27  761.33 1490.27  753.77
 1768.16  746.72 1931.13   744.8 2271.92   744.8 2597.24  743.39 3470.99  721.82
 3540.86  718.11 3629.66   715.2 3640.67  715.05 3836.88  717.18 4011.92   714.8
 4151.04  712.29 4300.42  708.11 4665.55  699.25 5110.55  692.28 5441.72  690.41
 5584.23  688.95  5739.3  683.05 5806.02  677.55 6159.42  675.94  6499.9  678.11
 6637.25   679.6 6851.82   669.2  7014.1     664 7083.52   658.8  7131.3   658.8
 7277.94  662.43 7490.03  672.48 7551.43     672 7677.64  673.08 8031.95  666.72
 8078.66  668.89 8229.39  672.77 8515.19  657.53 8528.92  656.02  8697.3  645.65
 8832.54  645.05 9080.46  654.35 9250.86   653.6 9429.37  642.41 9610.91  638.82
 9751.55  627.06 9768.35   626.8  9855.8  616.410019.88   600.810075.78   600.8
10116.75  605.5410240.38  634.2510345.34   646.410723.53  641.9810877.78  635.37
10932.22  629.9311139.77  627.5111385.88  634.2311678.74   630.812298.11   625.6
13724.53   625.6 13959.3   620.814562.82   620.815027.12     62615085.72   631.2
15372.47  627.4515379.28  622.5615483.31  620.8116126.12  597.6316673.36   590.4
16749.51  584.3717017.64  581.4717086.82  575.5217195.68  567.6317657.08  567.63
17768.25  572.0317874.84   590.417961.83  609.0817980.46  611.4218214.27  631.03
18645.87  636.8119072.78  638.3121143.79     634 21256.8     634 21481.9  634.76
21825.12  631.1222792.53   634.423044.96   639.624688.41   644.825063.43  647.27
25478.45  651.57 26116.4  664.3726336.07   665.227429.06   665.228052.14   660.4
 28320.7   660.428883.66   655.229116.77  652.1829285.01  650.7729422.32  646.19
29568.08  646.8529856.42  653.3630171.94  656.0931248.86  674.89 31900.3  677.56
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32849.58  715.0432989.51  715.6133594.63  689.2933628.67  689.4335191.57  734.22
36214.77  734.3636408.42   737.336753.53   753.536794.18  754.2737094.85  755.22
 37420.1  766.2437575.16   769.238334.57     79039017.04  793.46 39361.2     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516673.36     .1517874.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16673.3617874.84                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.83    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506209.00   222445.50   1779589.00
  E.G. Slope (ft/ft)      0.000081    Area (sq ft)            1506209.00   222445.50   1779589.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2857247.00   643039.30   3229714.00
  Top Width (ft)          35880.06    Top Width (ft)          15322.54    1201.48   19356.04
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.90       2.89       1.81
  Max Chl Dpth (ft)         192.20    Hydr. Depth (ft)           98.30     185.14      91.94
  Conv. Total (cfs)       748144700.0    Conv. (cfs)             317627600.0   71483870.0   359033200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15335.26    1203.93   19362.13
  Min Ch El (ft)            567.63    Shear (lb/sq ft)            0.50       0.93       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.94       2.70       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    100477.40   18184.70   120930.70
  C & E Loss (ft)             0.00    Cum SA (acres)            891.23      86.35    1054.41


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275366.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  192.07  792.19  624.92  775.91 1316.57  761.33 1490.61  753.76
 1768.57  746.72 1931.57  744.79 2272.44  744.79 2597.83  743.38 3471.78  721.84
 3541.67  718.13 3630.49  715.21  3641.5  715.06 3837.75  717.18 4012.83  714.79
 4151.99  712.28  4301.4  708.09 4666.61  699.23 5111.71  692.27 5442.96  690.39
  5585.5  688.93 5740.61  683.02 5807.34  677.51 6160.83  675.91 6501.38  678.08
 6638.76  679.58 6853.38  669.16 7015.69  663.95 7085.13  658.74 7132.92  658.74
 7279.59  662.38 7491.73  672.43 7553.14  671.95 7679.39  673.05 8033.78  666.73
  8080.5  668.91 8231.27  672.82 8517.12  657.62 8530.86   656.1 8699.28  645.72
 8834.54  645.13 9082.53  654.45 9252.96  653.69 9431.51  642.48  9613.1  638.89
 9753.77  627.15 9770.57  626.89 9858.04  616.4710022.16  600.8410078.07  600.84
10119.05  605.5910242.71   634.3 10347.7  646.4710725.97  642.0410880.25  635.44
 10934.7  630.01 11142.3  627.5811388.47  634.27 11681.4  630.8412300.91  625.63
13727.65  625.6313962.48  620.8414566.13  620.8415030.54  626.0515089.15  631.26
15375.97   627.515382.78  622.6215486.83  620.8716129.79  597.6616677.15  590.42
16753.44  584.3917022.05  581.4817091.36  575.5317200.41  567.6317662.06  567.63
 17773.4  572.0217880.16  590.4217967.13  609.0817985.77  611.4118219.55  630.99
 18651.1  636.7819077.96  638.2721148.75  633.9521261.75  633.9521486.82  634.71
21829.99  631.09 22797.3  634.37 23049.7  639.5824692.97  644.7925067.95  647.26
25482.93  651.56 26120.8  664.3826340.45  665.2127433.32  665.2128056.33  660.42
28324.86  660.4228887.75  655.2129120.84  652.1829289.06  650.7629426.36  646.18
 29572.1  646.8429860.41  653.3630175.89  656.0831252.69  674.8631904.06  677.53
32853.24  714.9532993.16  715.53 33598.2  689.2733632.24   689.435194.97  734.13
36218.05  734.2936411.68  737.2436756.75  753.43 36797.4  754.2137098.04  755.17
37423.25  766.1937578.29  769.1638337.62     79039020.01  793.4639364.14     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516677.15     .1517880.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16677.1517880.16                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.83    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506230.00   222717.30   1779957.00
  E.G. Slope (ft/ft)      0.000081    Area (sq ft)            1506230.00   222717.30   1779957.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2856204.00   643652.30   3230144.00
  Top Width (ft)          35884.43    Top Width (ft)          15326.06    1203.01   19355.36
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.90       2.89       1.81
  Max Chl Dpth (ft)         192.20    Hydr. Depth (ft)           98.28     185.13      91.96
  Conv. Total (cfs)       748321000.0    Conv. (cfs)             317586500.0   71568860.0   359165600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15338.79    1205.47   19361.44
  Min Ch El (ft)            567.63    Shear (lb/sq ft)            0.50       0.93       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.94       2.70       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    100304.50   18159.15   120726.40
  C & E Loss (ft)             0.00    Cum SA (acres)            889.47      86.21    1052.19


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275363.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  192.12  792.18  625.06  775.89 1316.87  761.33 1490.95  753.76
 1768.97  746.71 1932.01  744.78 2272.95  744.78 2598.42  743.36 3472.57  721.86
 3542.47  718.14 3631.31  715.22 3642.33  715.07 3838.63  717.17 4013.75  714.78
 4152.93  712.26 4302.37  708.07 4667.67  699.21 5112.87  692.25  5444.2  690.37
 5586.77  688.92 5741.91     683 5808.66  677.47 6162.23  675.88 6502.86  678.06
 6640.27  679.56 6854.94  669.12 7017.29   663.9 7086.74  658.68 7134.55  658.68
 7281.25  662.32 7493.43  672.37 7554.86  671.91 7681.14  673.03 8035.61  666.74
 8082.33  668.92 8233.14  672.88 8519.06  657.71  8532.8  656.19 8701.26   645.8
 8836.55   645.2 9084.59  654.54 9255.07  653.79 9433.66  642.56 9615.29  638.96
 9755.99  627.24 9772.79  626.98 9860.28  616.5410024.44  600.8810080.36  600.88
10121.35  605.6410245.04  634.3410350.05  646.5410728.41   642.110882.73  635.51
10937.19  630.0911144.84  627.6511391.06  634.3211684.06  630.8812303.71  625.66
13730.78  625.6613965.65  620.8814569.45  620.8815033.96   626.115092.58  631.32
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15379.47  627.5615386.28  622.6915490.35  620.9416133.45  597.6816680.95  590.44
16757.37   584.417026.47   581.517095.89  575.5417205.15  567.6317667.04  567.63
17778.55  572.0217885.47  590.4417972.44  609.0817991.07  611.4118224.83  630.95
18656.33  636.7419083.15  638.23 21153.7   633.921266.69   633.921491.73  634.67
21834.87  631.0522802.07  634.3423054.45  639.5624697.54  644.7825072.47  647.26
 25487.4  651.5626125.21  664.3926344.83  665.2227437.58  665.2228060.52  660.44
28329.02  660.4428891.85  655.2229124.91  652.1929293.12  650.7629430.39  646.16
29576.12  646.82 29864.4  653.3530179.85  656.0831256.53  674.8431907.83  677.51
32856.89  714.87 32996.8  715.4433601.78  689.2433635.81  689.3835198.36  734.04
36221.34  734.2236414.95  737.1836759.98  753.3636800.62  754.1437101.22  755.12
 37426.4  766.1537581.43  769.1238340.67     79039022.98  793.4739367.07     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516680.95     .1517885.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16680.9517885.47                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.83    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506257.00   222984.90   1780300.00
  E.G. Slope (ft/ft)      0.000081    Area (sq ft)            1506257.00   222984.90   1780300.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2855207.00   644256.10   3230538.00
  Top Width (ft)          35888.62    Top Width (ft)          15329.54    1204.52   19354.55
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.90       2.89       1.81
  Max Chl Dpth (ft)         192.20    Hydr. Depth (ft)           98.26     185.12      91.98
  Conv. Total (cfs)       748490800.0    Conv. (cfs)            317547700.0   71652260.0   359290900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15342.28    1206.98   19360.62
  Min Ch El (ft)            567.63    Shear (lb/sq ft)            0.50       0.93       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.94       2.69       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    100131.60   18133.57   120522.10
  C & E Loss (ft)             0.00    Cum SA (acres)            887.71      86.07    1049.97


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275360.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  192.16  792.18   625.2  775.88 1317.17  761.33 1491.29  753.75
 1769.37   746.7 1932.45  744.77 2273.47  744.77 2599.01  743.35 3473.36  721.87
 3543.28  718.16 3632.14  715.23 3643.15  715.08  3839.5  717.16 4014.66  714.77
 4153.88  712.25 4303.35  708.05 4668.73  699.19 5114.04  692.24 5445.44  690.35
 5588.04   688.9 5743.22  682.97 5809.98  677.44 6163.63  675.84 6504.34  678.04
 6641.78  679.54  6856.5  669.08 7018.89  663.85 7088.35  658.62 7136.17  658.62
  7282.9  662.27 7495.14  672.32 7556.58  671.86 7682.88     673 8037.44  666.74
 8084.17  668.94 8235.01  672.94    8521   657.8 8534.74  656.28 8703.24  645.87
 8838.56  645.27 9086.66  654.64 9257.17  653.89  9435.8  642.64 9617.47  639.04
 9758.21  627.33 9775.02  627.07 9862.53  616.6110026.72  600.9210082.66  600.92
10123.66  605.6910247.37  634.3910352.41  646.6110730.85  642.16 10885.2  635.57
10939.68  630.1611147.37  627.7211393.65  634.3711686.71  630.9212306.51  625.69
 13733.9  625.6913968.83  620.9214572.76  620.9215037.38  626.1515096.02  631.38
15382.96  627.6115389.77  622.7515493.87     62116137.12  597.7116684.74  590.46
 16761.3  584.4117030.88  581.5217100.43  575.5417209.88  567.6217672.02  567.62
17783.71  572.0117890.79  590.4617977.75  609.0817996.38  611.4118230.11  630.92
18661.56  636.7119088.33  638.1921158.65  633.8521271.63  633.8521496.65  634.62
21839.75  631.0222806.84  634.3123059.19  639.54 24702.1  644.7725076.99  647.25
25491.88  651.5626129.61  664.4126349.21  665.2327441.83  665.2328064.71  660.46
28333.18  660.4628895.95  655.2329128.98  652.1929297.17  650.7629434.43  646.15
29580.14  646.8129868.39  653.34 30183.8  656.0731260.36  674.8131911.59  677.49
32860.55  714.7833000.44  715.3633605.35  689.2233639.38  689.3635201.76  733.95
36224.62  734.1536418.21  737.11 36763.2  753.2936803.84  754.0737104.41  755.08
37429.55   766.137584.56  769.0838343.71     79039025.96  793.48   39370     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516684.74     .1517890.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16684.7417890.79                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.83    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506281.00   223263.00   1780642.00
  E.G. Slope (ft/ft)      0.000081    Area (sq ft)            1506281.00   223263.00   1780642.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2854182.00   644900.40   3230918.00
  Top Width (ft)          35892.82    Top Width (ft)          15333.06    1206.05   19353.70
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.89       2.89       1.81
  Max Chl Dpth (ft)         192.21    Hydr. Depth (ft)           98.24     185.12      92.01
  Conv. Total (cfs)       748664900.0    Conv. (cfs)            317507600.0   71740610.0   359416700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15345.80    1208.51   19359.76
  Min Ch El (ft)            567.62    Shear (lb/sq ft)            0.50       0.93       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.94       2.69       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    99958.75   18107.96   120317.70
  C & E Loss (ft)             0.00    Cum SA (acres)            885.95      85.93    1047.75


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275358.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  192.21  792.18  625.35  775.87 1317.47  761.32 1491.63  753.74
 1769.77   746.7 1932.89  744.76 2273.99  744.76  2599.6  743.34 3474.15  721.89
 3544.09  718.17 3632.96  715.24 3643.98  715.09 3840.37  717.16 4015.57  714.76
 4154.82  712.23 4304.33  708.04 4669.79  699.18  5115.2  692.22 5446.68  690.33
 5589.31  688.88 5744.52  682.94  5811.3   677.4 6165.03  675.81 6505.81  678.01
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 6643.29  679.52 6858.05  669.04 7020.48   663.8 7089.96  658.56 7137.79  658.56
 7284.56  662.22 7496.84  672.27  7558.3  671.81 7684.63  672.97 8039.26  666.75
 8086.01  668.96 8236.88  672.99 8522.94  657.89 8536.68  656.37 8705.22  645.94
 8840.57  645.34 9088.73  654.73 9259.27  653.98 9437.95  642.72 9619.66  639.11
 9760.42  627.42 9777.24  627.16 9864.77  616.68   10029  600.9610084.95  600.96
10125.96  605.7410249.69  634.4410354.76  646.6810733.29  642.2210887.67  635.64
10942.16  630.2411149.91  627.7911396.24  634.4111689.37  630.96 12309.3  625.72
13737.02  625.7213972.01  620.9614576.07  620.9615040.79   626.215099.45  631.44
15386.46  627.6615393.27  622.81 15497.4  621.0616140.79  597.7316688.53  590.48
16765.23  584.4217035.29  581.5417104.97  575.5517214.62  567.62   17677  567.62
17788.86  572.0117896.11  590.4817983.05  609.0818001.68  611.4118235.39  630.88
18666.79  636.6719093.52  638.1421163.61   633.821276.57   633.821501.57  634.57
21844.63  630.9822811.61  634.2823063.93  639.5224706.66  644.7625081.51  647.25
25496.35  651.5526134.01  664.4226353.58  665.2427446.09  665.24 28068.9  660.48
28337.33  660.4828900.04  655.2429133.05   652.229301.22  650.7629438.47  646.14
29584.16   646.829872.38  653.3430187.75  656.06 31264.2  674.7831915.35  677.46
32864.21  714.6933004.08  715.2733608.93   689.233642.95  689.3435205.16  733.86
 36227.9  734.0836421.47  737.0536766.42  753.2236807.06     75437107.59  755.03
 37432.7  766.0537587.69  769.0438346.77     79039028.93  793.4839372.94     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516688.53     .1517896.11     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16688.5317896.11                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.83    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506309.00   223534.00   1781022.00
  E.G. Slope (ft/ft)      0.000081    Area (sq ft)            1506309.00   223534.00   1781022.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2853125.00   645504.70   3231370.00
  Top Width (ft)          35897.36    Top Width (ft)          15336.77    1207.58   19353.01
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.89       2.89       1.81
  Max Chl Dpth (ft)         192.21    Hydr. Depth (ft)           98.22     185.11      92.03
  Conv. Total (cfs)       748844700.0    Conv. (cfs)            317466200.0   71825070.0   359553400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15349.51    1210.04   19359.05
  Min Ch El (ft)            567.62    Shear (lb/sq ft)            0.49       0.93       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.94       2.69       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    99785.85   18082.32   120113.30
  C & E Loss (ft)             0.00    Cum SA (acres)            884.19      85.80    1045.53


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275355.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  192.25  792.17  625.49  775.86 1317.77  761.32 1491.97  753.73
 1770.17  746.69 1933.33  744.75  2274.5  744.75 2600.19  743.33 3474.94  721.91
 3544.89  718.19 3633.79  715.25 3644.81   715.1 3841.24  717.15 4016.48  714.75
 4155.77  712.22 4305.31  708.02 4670.85  699.16 5116.36  692.21 5447.91  690.31
 5590.58  688.86 5745.83  682.91 5812.62  677.36 6166.43  675.78 6507.29  677.99
  6644.8   679.5 6859.61     669 7022.08  663.75 7091.58   658.5 7139.41   658.5
 7286.22  662.16 7498.54  672.22 7560.02  671.77 7686.38  672.94 8041.09  666.76
 8087.85  668.98 8238.76  673.05 8524.87  657.97 8538.62  656.46 8707.19  646.01
 8842.58  645.42 9090.79  654.83 9261.38  654.08 9440.09   642.8 9621.85  639.19
 9762.64  627.51 9779.46  627.25 9867.01  616.7510031.28     60110087.24     601
10128.26  605.7910252.02  634.4810357.11  646.7510735.73  642.2810890.15  635.71
10944.65  630.3211152.44  627.8711398.83  634.4611692.03     631 12312.1  625.75
13740.14  625.7513975.18     62114579.38     62115044.21  626.2515102.88   631.5
15389.96  627.7115396.77  622.8715500.92  621.1216144.46  597.7616692.32   590.5
16769.16  584.4317039.71  581.5617109.51  575.5617219.35  567.6217681.97  567.62
17794.01  572.0117901.43   590.517988.36  609.0718006.99   611.418240.67  630.84
18672.03  636.64 19098.7   638.121168.56  633.7521281.52  633.7521506.49  634.52
21849.51  630.9422816.38  634.2523068.68   639.524711.22  644.7525086.03  647.24
25500.82  651.5526138.42  664.4326357.96  665.2527450.35  665.2528073.09   660.5
28341.49   660.528904.14  655.2529137.12   652.229305.27  650.76 29442.5  646.13
29588.18  646.7829876.36  653.3330191.71  656.0531268.03  674.7531919.11  677.44
32867.87  714.6133007.72  715.18 33612.5  689.1833646.52  689.3235208.55  733.78
36231.19  734.0136424.73  736.9936769.65  753.1536810.28  753.9337110.78  754.98
37435.85  766.0137590.82     76938349.81     79039031.91  793.4939375.88     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516692.32     .1517901.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16692.3217901.43                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.83    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506321.00   223804.50   1781367.00
  E.G. Slope (ft/ft)      0.000081    Area (sq ft)            1506321.00   223804.50   1781367.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2852094.00   646118.60   3231787.00
  Top Width (ft)          35901.60    Top Width (ft)          15340.29    1209.11   19352.20
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.89       2.89       1.81
  Max Chl Dpth (ft)         192.21    Hydr. Depth (ft)           98.19     185.10      92.05
  Conv. Total (cfs)       749011100.0    Conv. (cfs)            317422000.0   71909370.0   359679700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15353.03    1211.57   19358.23
  Min Ch El (ft)            567.62    Shear (lb/sq ft)            0.49       0.93       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.94       2.69       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    99612.95   18056.65   119908.80
  C & E Loss (ft)             0.00    Cum SA (acres)            882.43      85.66    1043.31


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275352.*

INPUT
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Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  192.29  792.17  625.63  775.85 1318.07  761.32  1492.3  753.72
 1770.58  746.68 1933.77  744.74 2275.02  744.74 2600.78  743.31 3475.72  721.92
  3545.7   718.2 3634.61  715.26 3645.64  715.11 3842.12  717.15  4017.4  714.74
 4156.71   712.2 4306.29     708 4671.92  699.14 5117.52  692.19 5449.15   690.3
 5591.85  688.84 5747.13  682.89 5813.94  677.33 6167.83  675.75 6508.77  677.97
 6646.31  679.48 6861.17  668.96 7023.67   663.7 7093.19  658.44 7141.03  658.44
 7287.87  662.11 7500.25  672.16 7561.73  671.72 7688.12  672.92 8042.92  666.76
 8089.68  668.99 8240.63  673.11 8526.81  658.06 8540.56  656.55 8709.17  646.08
 8844.59  645.49 9092.86  654.92 9263.48  654.18 9442.24  642.88 9624.03  639.26
 9764.86   627.6 9781.68  627.34 9869.25  616.8210033.56  601.0410089.53  601.04
10130.56  605.8410254.35  634.5310359.47  646.8210738.17  642.3410892.62  635.78
10947.14  630.3911154.97  627.9411401.42  634.5111694.69  631.04 12314.9  625.78
13743.26  625.7813978.36  621.04 14582.7  621.0415047.63   626.315106.31  631.56
15393.46  627.7715400.27  622.9415504.44  621.1816148.13  597.7816696.12  590.52
16773.09  584.4417044.12  581.5717114.04  575.5717224.08  567.6217686.95  567.62
17799.16     57217906.74  590.5217993.67  609.0718012.29   611.418245.95  630.81
18677.26   636.619103.89  638.0621173.52   633.721286.46   633.7 21511.4  634.47
21854.39  630.9122821.16  634.2223073.42  639.4824715.78  644.7425090.55  647.24
 25505.3  651.5526142.82  664.4426362.34  665.2627454.61  665.2628077.27  660.52
28345.65  660.5228908.23  655.2629141.19   652.229309.32  650.7629446.54  646.11
 29592.2  646.7729880.35  653.3230195.66  656.0531271.87  674.7231922.88  677.41
32871.52  714.5233011.36   715.133616.07  689.1633650.09   689.335211.95  733.69
36234.47  733.93   36428  736.9236772.87  753.08 36813.5  753.8637113.97  754.93
   37439  765.9637593.96  768.9638352.86     79039034.88   793.539378.81     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516696.12     .1517906.74     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16696.1217906.74                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.83    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506356.00   224074.90   1781726.00
  E.G. Slope (ft/ft)      0.000081    Area (sq ft)            1506356.00   224074.90   1781726.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2851089.00   646728.00   3232183.00
  Top Width (ft)          35905.96    Top Width (ft)          15343.82    1210.62   19351.53
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.89       2.89       1.81
  Max Chl Dpth (ft)         192.21    Hydr. Depth (ft)           98.17     185.09      92.07
  Conv. Total (cfs)       749188700.0    Conv. (cfs)            317385400.0   71994250.0   359809000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15356.57    1213.09   19357.54
  Min Ch El (ft)            567.62    Shear (lb/sq ft)           0.49       0.93       0.46
  Alpha                       1.06    Stream Power (lb/ft s)     0.94       2.69       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    99440.05   18030.94   119704.30
  C & E Loss (ft)             0.00    Cum SA (acres)            880.67      85.52    1041.08


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275349.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  192.34  792.16  625.77  775.83 1318.37  761.31 1492.64  753.72
 1770.98  746.68 1934.21  744.73 2275.54  744.73 2601.37   743.3 3476.51  721.94
  3546.5  718.22 3635.44  715.27 3646.47  715.12 3842.99  717.14 4018.31  714.73
 4157.65  712.19 4307.27  707.99 4672.98  699.12 5118.69  692.18 5450.39  690.28
 5593.12  688.82 5748.44  682.86 5815.26  677.29 6169.23  675.71 6510.25  677.95
 6647.82  679.46 6862.73  668.92 7025.27  663.65  7094.8  658.38 7142.66  658.38
 7289.53  662.06 7501.95  672.11 7563.45  671.68 7689.87  672.89 8044.74  666.77
 8091.52  669.01  8242.5  673.16 8528.75  658.15  8542.5  656.64 8711.15  646.15
  8846.6  645.56 9094.92  655.02 9265.59  654.27 9444.38  642.95 9626.22  639.34
 9767.08  627.69 9783.91  627.43  9871.5  616.8910035.84  601.0810091.83  601.08
10132.86  605.8910256.68  634.5810361.82  646.8910740.61  642.41 10895.1  635.85
10949.62  630.4711157.51  628.0111404.01  634.5511697.34  631.08 12317.7  625.81
13746.39  625.8113981.53  621.0814586.01  621.0815051.05  626.3515109.74  631.62
15396.95  627.8215403.77     62315507.96  621.24 16151.8  597.8116699.91  590.54
16777.02  584.4617048.53  581.5917118.58  575.5817228.82  567.6217691.93  567.62
17804.31     57217912.06  590.5417998.98  609.07 18017.6   611.418251.23  630.77
18682.49  636.5719109.07  638.0221178.47  633.65 21291.4  633.6521516.32  634.42
21859.27  630.8722825.93  634.1923078.17  639.4624720.34  644.7325095.07  647.23
25509.77  651.5426147.22  664.4526366.72  665.2727458.87  665.2728081.46  660.54
28349.81  660.5428912.33  655.2729145.26  652.2129313.38  650.7529450.58   646.1
29596.22  646.7529884.34  653.3230199.62  656.04 31275.7  674.6931926.64  677.39
32875.18  714.43   33015  715.0133619.65  689.1433653.66  689.2835215.35   733.6
36237.75  733.8636431.26  736.8636776.09  753.0136816.72  753.7937117.15  754.89
37442.15  765.9237597.09  768.9238355.91     79039037.85   793.539381.75     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516699.91     .1517912.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16699.9117912.06                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.83    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506371.00   224343.70   1782087.00
  E.G. Slope (ft/ft)      0.000081    Area (sq ft)            1506371.00   224343.70   1782087.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2850029.00   647328.60   3232642.00
  Top Width (ft)          35910.16    Top Width (ft)          15347.47    1212.15   19350.54
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.89       2.89       1.81
  Max Chl Dpth (ft)         192.21    Hydr. Depth (ft)           98.15     185.08      92.09
  Conv. Total (cfs)       749360700.0    Conv. (cfs)            317340200.0   72077650.0   359942800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15360.23    1214.62   19356.54
  Min Ch El (ft)            567.62    Shear (lb/sq ft)           0.49       0.93       0.46
  Alpha                       1.06    Stream Power (lb/ft s)     0.93       2.68       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    99267.14   18005.21   119499.80
  C & E Loss (ft)             0.00    Cum SA (acres)            878.91      85.38    1038.86
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CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275346.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  192.38  792.16  625.91  775.82 1318.67  761.31 1492.98  753.71
 1771.38  746.67 1934.65  744.72 2276.05  744.72 2601.96  743.29  3477.3  721.96
 3547.31  718.23 3636.27  715.28  3647.3  715.13 3843.86  717.14 4019.22  714.72
  4158.6  712.17 4308.24  707.97 4674.04   699.1 5119.85  692.16 5451.63  690.26
  5594.4   688.8 5749.74  682.83 5816.58  677.26 6170.63  675.68 6511.73  677.92
 6649.33  679.44 6864.29  668.88 7026.86   663.6 7096.41  658.32 7144.28  658.32
 7291.18  662.01 7503.66  672.06 7565.17  671.63 7691.62  672.86 8046.57  666.78
 8093.36  669.03 8244.37  673.22 8530.68  658.24 8544.44  656.72 8713.13  646.23
 8848.61  645.64 9096.99  655.11 9267.69  654.37 9446.53  643.03 9628.41  639.41
  9769.3  627.78 9786.13  627.52 9873.74  616.9610038.12  601.1210094.12  601.12
10135.16  605.9410259.01  634.6210364.17  646.9610743.05  642.4710897.57  635.92
10952.11  630.5511160.04  628.08 11406.6   634.6   11700  631.12 12320.5  625.84
13749.51  625.8413984.71  621.1214589.32  621.1215054.47   626.415113.18  631.68
15400.45  627.8715407.27  623.0615511.49   621.316155.46  597.84 16703.7  590.56
16780.95  584.4717052.95  581.6117123.12  575.5917233.55  567.6217696.91  567.62
17809.46  571.9917917.38  590.5618004.29  609.07 18022.9  611.3918256.51  630.74
18687.72  636.5319114.26  637.9821183.43   633.621296.34   633.621521.24  634.37
21864.15  630.83 22830.7  634.1623082.91  639.4424724.91  644.7225099.59  647.23
25514.25  651.5426151.63  664.47 26371.1  665.2827463.12  665.2828085.65  660.56
28353.97  660.5628916.43  655.2829149.33  652.2129317.43  650.7529454.62  646.09
29600.24  646.7429888.33  653.3130203.57  656.0331279.53  674.66 31930.4  677.37
32878.84  714.3533018.64  714.9333623.23  689.1233657.23  689.2635218.75  733.51
36241.04  733.7936434.52   736.836779.32  752.9436819.94  753.7237120.34  754.84
 37445.3  765.8737600.22  768.8838358.96     79039040.82  793.5139384.68     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 16703.7     .1517917.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       16703.717917.38                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.83    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506390.00   224615.70   1782431.00
  E.G. Slope (ft/ft)      0.000081    Area (sq ft)            1506390.00   224615.70   1782431.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2849017.00   647946.30   3233037.00
  Top Width (ft)          35914.53    Top Width (ft)          15350.99    1213.68   19349.85
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.89       2.88       1.81
  Max Chl Dpth (ft)         192.21    Hydr. Depth (ft)           98.13     185.07      92.12
  Conv. Total (cfs)       749528400.0    Conv. (cfs)            317298500.0   72162570.0   360067300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15363.75    1216.15   19355.84
  Min Ch El (ft)            567.62    Shear (lb/sq ft)            0.49       0.93       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.93       2.68       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    99094.23   17979.44   119295.20
  C & E Loss (ft)             0.00    Cum SA (acres)            877.14      85.24    1036.64


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275343.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  192.42  792.15  626.06  775.81 1318.97  761.31 1493.32   753.7
 1771.78  746.67 1935.08  744.71 2276.57  744.71 2602.56  743.27 3478.09  721.98
 3548.11  718.25 3637.09  715.29 3648.12  715.14 3844.74  717.13 4020.13  714.71
 4159.54  712.16 4309.22  707.95  4675.1  699.08 5121.01  692.15 5452.87  690.24
 5595.67  688.79 5751.05  682.81  5817.9  677.22 6172.04  675.65 6513.21   677.9
 6650.84  679.42 6865.85  668.84 7028.46  663.55 7098.02  658.26  7145.9  658.26
 7292.84  661.95 7505.36     672 7566.89  671.58 7693.36  672.84  8048.4  666.78
  8095.2  669.04 8246.24  673.28 8532.62  658.33 8546.38  656.81 8715.11   646.3
 8850.62  645.71 9099.05  655.21  9269.8  654.47 9448.67  643.11 9630.59  639.49
 9771.52  627.87 9788.35  627.61 9875.98  617.03 10040.4  601.1610096.41  601.16
10137.46  605.9810261.34  634.6710366.53  647.0310745.49  642.5310900.05  635.98
 10954.6  630.6311162.58  628.1511409.19  634.6511702.66  631.1612323.29  625.87
13752.63  625.8713987.88  621.1614592.64  621.1615057.89  626.4515116.61  631.74
15403.95  627.9215410.77  623.1215515.01  621.3616159.13  597.86 16707.5  590.58
16784.88  584.4817057.36  581.6317127.66   575.617238.29  567.6217701.89  567.62
17814.62  571.9917922.69  590.5818009.59  609.0718028.21  611.3918261.79   630.7
18692.95   636.519119.44  637.9421188.38  633.5521301.28  633.5521526.15  634.33
21869.03   630.822835.47  634.1323087.65  639.4224729.47  644.7125104.11  647.22
25518.72  651.5426156.03  664.4826375.48  665.2927467.38  665.2928089.84  660.58
28358.13  660.5828920.53  655.29 29153.4  652.2229321.48  650.7529458.65  646.07
29604.26  646.7229892.32   653.330207.52  656.0231283.37  674.6331934.16  677.34
32882.49  714.2633022.29  714.84 33626.8   689.1 33660.8  689.2435222.14  733.42
36244.32  733.7236437.78  736.7436782.54  752.8736823.16  753.6637123.53  754.79
37448.45  765.8337603.36  768.8438362.01     790 39043.8  793.5239387.61     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 16707.5     .1517922.69     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       16707.517922.69                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.83    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506417.00   224882.40   1782790.00
  E.G. Slope (ft/ft)      0.000081    Area (sq ft)            1506417.00   224882.40   1782790.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2848000.00   648541.30   3233459.00
  Top Width (ft)          35918.76    Top Width (ft)          15354.52    1215.19   19349.04
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.89       2.88       1.81
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  Max Chl Dpth (ft)          192.21    Hydr. Depth (ft)           98.11     185.06      92.14
  Conv. Total (cfs)        749703400.0    Conv. (cfs)            317259300.0   72245700.0   360198400.0
  Length Wtd. (ft)             5.00    Wetted Per. (ft)        15367.29    1217.66   19355.02
  Min Ch El (ft)             567.62    Shear (lb/sq ft)            0.49       0.93       0.46
  Alpha                        1.06    Stream Power (lb/ft s)      0.93       2.68       0.84
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    98921.32   17953.64   119090.60
  C & E Loss (ft)              0.00    Cum SA (acres)            875.38      85.10    1034.42


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275340.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  192.47  792.15   626.2   775.8 1319.26  761.31 1493.66  753.69
 1772.19  746.66 1935.52   744.7 2277.09   744.7 2603.15  743.26 3478.88  721.99
 3548.92  718.27 3637.92   715.3 3648.95  715.15 3845.61  717.13 4021.05   714.7
 4160.49  712.14  4310.2  707.94 4676.16  699.06 5122.17  692.13  5454.1  690.22
 5596.94  688.77 5752.36  682.78 5819.22  677.18 6173.44  675.61 6514.69  677.88
 6652.35   679.4 6867.41   668.8 7030.05   663.5 7099.63   658.2 7147.52   658.2
 7294.49   661.9 7507.06  671.95  7568.6  671.54 7695.11  672.81 8050.23  666.79
 8097.04  669.06 8248.12  673.33 8534.56  658.42 8548.32   656.9 8717.09  646.37
 8852.63  645.78 9101.12   655.3  9271.9  654.56 9450.82  643.19 9632.78  639.56
 9773.73  627.96 9790.57   627.7 9878.22   617.110042.68   601.2 10098.7   601.2
10139.77  606.0310263.67  634.7210368.88   647.110747.92  642.5910902.52  636.05
10957.09   630.711165.11  628.2311411.78  634.6911705.31   631.212326.09   625.9
13755.75   625.913991.06   621.214595.95   621.215061.31   626.515120.04   631.8
15407.44  627.9815414.26  623.1915518.53  621.42 16162.8  597.8916711.29   590.6
16788.81  584.4917061.77  581.64 17132.2  575.6117243.02  567.6217706.87  567.62
17819.77  571.9917928.01   590.6 18014.9  609.0618033.51  611.3918267.07  630.66
18698.18  636.4619124.62  637.8921193.34   633.521306.23   633.521531.07  634.28
21873.91  630.7622840.24   634.1 23092.4   639.424734.03   644.725108.63  647.22
25523.19  651.5326160.43  664.4926379.86   665.327471.64   665.328094.03   660.6
28362.29   660.628924.62   655.329157.48  652.2229325.53  650.7529462.69  646.06
29608.28  646.7129896.31  653.2930211.48  656.02 31287.2   674.631937.92  677.32
32886.15  714.1733025.93  714.7633630.38  689.0833664.38  689.2235225.54  733.34
36247.61  733.6536441.04  736.6736785.77  752.7936826.38  753.5937126.71  754.74
 37451.6  765.7837606.49   768.838365.06     79039046.77  793.5239390.55     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516711.29     .1517928.01     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16711.2917928.01                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.83    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                       Flow Area (sq ft)       1506445.00   225155.00   1783149.00
  E.G. Slope (ft/ft)       0.000081    Area (sq ft)            1506445.00   225155.00   1783149.00
  Q Total (cfs)            6730000.00    Flow (cfs)             2846982.00   649154.60   3233863.00
  Top Width (ft)           35923.12    Top Width (ft)          15358.05    1216.72   19348.35
  Vel Total (ft/s)             1.91    Avg. Vel. (ft/s)            1.89       2.88       1.81
  Max Chl Dpth (ft)          192.21    Hydr. Depth (ft)           98.09     185.05      92.16
  Conv. Total (cfs)        749879600.0    Conv. (cfs)            317220500.0   72331020.0   360328100.0
  Length Wtd. (ft)             5.00    Wetted Per. (ft)        15370.82    1219.19   19354.32
  Min Ch El (ft)             567.62    Shear (lb/sq ft)            0.49       0.93       0.46
  Alpha                        1.06    Stream Power (lb/ft s)      0.93       2.68       0.84
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    98748.41   17927.81   118885.90
  C & E Loss (ft)              0.00    Cum SA (acres)            873.62      84.96    1032.20


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275337.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  192.51  792.14  626.34  775.78 1319.56   761.3    1494  753.69
 1772.59  746.65 1935.96  744.69  2277.6  744.69 2603.74  743.25 3479.67  722.01
 3549.72  718.28 3638.74  715.31 3649.78  715.16 3846.48  717.12 4021.96  714.69
 4161.43  712.13 4311.18  707.92 4677.22  699.04 5123.34  692.12 5455.34   690.2
 5598.21  688.75 5753.66  682.75 5820.54  677.15 6174.84  675.58 6516.17  677.85
 6653.86  679.38 6868.96  668.76 7031.65  663.45 7101.24  658.14 7149.15  658.14
 7296.15  661.85 7508.77   671.9 7570.32  671.49 7696.86  672.78 8052.05   666.8
 8098.87  669.08 8249.99  673.39  8536.5  658.51 8550.26  656.99 8719.07  646.44
 8854.64  645.85 9103.19   655.4 9274.01  654.66 9452.96  643.27 9634.96  639.64
 9775.95  628.05 9792.79  627.79 9880.46  617.1710044.96  601.2410100.99  601.24
10142.07  606.08   10266  634.7610371.23  647.1710750.36  642.65   10905  636.12
10959.57  630.7811167.64   628.311414.38  634.7411707.97  631.2412328.89  625.93
13758.88  625.9313994.23  621.2414599.26  621.2415064.72  626.5515123.47  631.86
15410.94  628.0315417.76  623.2515522.05  621.4816166.47  597.9116715.08  590.62
16792.74   584.517066.19  581.6617136.73  575.6217247.75  567.6217711.85  567.62
17824.92  571.9817933.33  590.6218020.21  609.0618038.82  611.3818272.35  630.63
18703.42  636.4319129.81  637.8521198.29  633.4521311.17  633.4521535.99  634.23
21878.79  630.7322845.02  634.0723097.14  639.3824738.59  644.6925113.15  647.21
25527.67  651.5326164.84   664.526384.24  665.31 27475.9  665.3128098.22  660.62
28366.45  660.6228928.72  655.3129161.55  652.2329329.59  650.7529466.72  646.05
 29612.3   646.729900.29  653.2930215.43  656.0131291.04  674.5731941.69  677.29
32889.81  714.0933029.57  714.6733633.95  689.0633667.95   689.235228.94  733.25
36250.89  733.58 36444.3  736.6136788.99  752.72 36829.6  753.52 37129.9   754.7
37454.75  765.7337609.62  768.7638368.11     79039049.74  793.5339393.48     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516715.08     .1517933.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16715.0817933.33                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
```

```
  E.G. Elev (ft)            759.89    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.82    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506464.00   225426.60   1783495.00
  E.G. Slope (ft/ft)      0.000081    Area (sq ft)            1506464.00   225426.60   1783495.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2845952.00   649770.10   3234278.00
  Top Width (ft)          35927.46    Top Width (ft)          15361.71    1218.25   19347.51
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)           1.89       2.88       1.81
  Max Chl Dpth (ft)         192.20    Hydr. Depth (ft)          98.07     185.04      92.18
  Conv. Total (cfs)       750047700.0    Conv. (cfs)            317176800.0   72415830.0   360455100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15374.49    1220.73   19353.46
  Min Ch El (ft)            567.62    Shear (lb/sq ft)           0.49       0.93       0.46
  Alpha                       1.06    Stream Power (lb/ft s)     0.93       2.68       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    98575.49   17901.95   118681.30
  C & E Loss (ft)             0.00    Cum SA (acres)            871.86      84.82    1029.98


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275334.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  192.56  792.14  626.48  775.77 1319.86   761.3 1494.34  753.68
 1772.99  746.65  1936.4  744.68 2278.12  744.68 2604.33  743.24 3480.46  722.03
 3550.53   718.3 3639.57  715.32 3650.61  715.17 3847.35  717.12 4022.87  714.68
 4162.38  712.11 4312.16   707.9 4678.28  699.02  5124.5   692.1 5456.58  690.19
 5599.48  688.73 5754.97  682.72 5821.86  677.11 6176.24  675.55 6517.64  677.83
 6655.37  679.36 6870.52  668.72 7033.25   663.4 7102.86  658.08 7150.77  658.08
  7297.8  661.79 7510.47  671.85 7572.04  671.45  7698.6  672.75 8053.88  666.81
 8100.71   669.1 8251.86  673.45 8538.43  658.59  8552.2  657.08 8721.04  646.51
 8856.65  645.93 9105.25  655.49 9276.11  654.76 9455.11  643.35 9637.15  639.71
 9778.17  628.14 9795.02  627.88 9882.71  617.2410047.24  601.2810103.29  601.28
10144.37  606.1310268.33  634.8110373.59  647.24 10752.8  642.7110907.47  636.19
10962.06  630.8611170.18  628.3711416.96  634.7911710.63  631.2812331.69  625.96
   13762  625.9613997.41  621.2814602.57  621.2815068.14   626.6 15126.9  631.92
15414.44  628.0815421.26  623.3115525.57  621.5416170.14  597.9416718.88  590.64
16796.67  584.51 17070.6  581.6817141.27  575.6317252.49  567.6117716.83  567.61
17830.07  571.9817938.64  590.6418025.51  609.0618044.12  611.3818277.62  630.59
18708.65  636.3919134.99  637.8121203.25   633.421316.11   633.421540.91  634.18
21883.66  630.6922849.79  634.0423101.88  639.3624743.15  644.6825117.67  647.21
25532.14  651.5326169.24  664.5126388.62  665.3227480.15  665.3228102.41  660.64
28370.61  660.6428932.81  655.3229165.62  652.2329333.64  650.7529470.76  646.04
29616.32  646.6829904.29  653.2830219.38     65631294.87  674.5531945.45  677.27
32893.46     71433033.21  714.5933637.52  689.0433671.52  689.1835232.34  733.16
36254.18   733.536447.57  736.5536792.21  752.6536832.82  753.4537133.09  754.65
 37457.9  765.6937612.75  768.7238371.16     79039052.72  793.5439396.42     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516718.88     .1517938.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16718.8817938.64                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.82    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506481.00   225699.30   1783851.00
  E.G. Slope (ft/ft)      0.000080    Area (sq ft)            1506481.00   225699.30   1783851.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2844909.00   650392.70   3234699.00
  Top Width (ft)          35931.68    Top Width (ft)          15365.24    1219.76   19346.69
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)           1.89       2.88       1.81
  Max Chl Dpth (ft)         192.21    Hydr. Depth (ft)          98.04     185.04      92.20
  Conv. Total (cfs)       750221600.0    Conv. (cfs)            317134000.0   72502020.0   360585500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15378.02    1222.24   19352.63
  Min Ch El (ft)            567.61    Shear (lb/sq ft)           0.49       0.93       0.46
  Alpha                       1.06    Stream Power (lb/ft s)     0.93       2.67       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    98402.57   17876.06   118476.50
  C & E Loss (ft)             0.00    Cum SA (acres)            870.09      84.68    1027.76


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275331.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   192.6  792.13  626.63  775.76 1320.16   761.3 1494.68  753.67
 1773.39  746.64 1936.84  744.67 2278.64  744.67 2604.92  743.22 3481.25  722.04
 3551.33  718.31  3640.4  715.33 3651.44  715.18 3848.23  717.11 4023.78  714.67
 4163.32   712.1 4313.14  707.89 4679.35     699 5125.66  692.09 5457.82  690.17
 5600.75  688.71 5756.27   682.7 5823.19  677.07 6177.64  675.51 6519.12  677.81
 6656.88  679.34 6872.08  668.68 7034.84  663.35 7104.47  658.02 7152.39  658.02
 7299.46  661.74 7512.18  671.79 7573.76   671.4 7700.35  672.73 8055.71  666.81
 8102.55  669.11 8253.73   673.5 8540.37  658.68 8554.14  657.17 8723.02  646.58
 8858.66     646 9107.32  655.59 9278.21  654.85 9457.25  643.42 9639.34  639.79
 9780.39  628.23 9797.24  627.97 9884.95  617.3110049.52  601.3210105.58  601.32
10146.67  606.1810270.66  634.8610375.94  647.3110755.24  642.7710909.95  636.26
10964.55  630.9311172.71  628.4411419.55  634.8311713.28  631.3212334.48  625.99
13765.12  625.9914000.59  621.3214605.89  621.3215071.56  626.6515130.33  631.98
15417.93  628.1415424.76  623.37 15529.1   621.616173.81  597.9616722.67  590.66
 16800.6  584.5317075.01   581.717145.81  575.6417257.22  567.6117721.81  567.61
17835.22  571.9717943.96  590.6618030.82  609.0618049.43  611.38 18282.9  630.55
18713.88  636.3619140.18  637.77 21208.2  633.3521321.05  633.3521545.82  634.13
21888.54  630.6522854.56  634.0123106.63  639.3424747.71  644.67 25122.2   647.2
25536.62  651.5226173.64  664.52   26393  665.3327484.41  665.33 28106.6  660.66
28374.77  660.6628936.91  655.3329169.69  652.2329337.69  650.74 29474.8  646.02
29620.34  646.6729908.27  653.2730223.34  655.9931298.71  674.5231949.21  677.25
32897.12  713.9233036.85   714.5 33641.1  689.0233675.09  689.1635235.73  733.07
36257.46  733.4336450.83  736.4836795.44  752.5836836.04  753.3837136.27   754.6
37461.05  765.6437615.89  768.68 38374.2     79039055.69  793.5439399.36     800

Manning's n Values        num=       3
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     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516722.67     .1517943.96     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16722.6717943.96                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.82    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506520.00   225969.40   1784216.00
  E.G. Slope (ft/ft)      0.000080    Area (sq ft)            1506520.00   225969.40   1784216.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2843912.00   650988.80   3235099.00
  Top Width (ft)          35936.04    Top Width (ft)          15368.75    1221.29   19346.00
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.89       2.88       1.81
  Max Chl Dpth (ft)         192.21    Hydr. Depth (ft)           98.02     185.03      92.23
  Conv. Total (cfs)       750402700.0    Conv. (cfs)            317099500.0   72585990.0   360717200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15381.55    1223.77   19351.92
  Min Ch El (ft)            567.61    Shear (lb/sq ft)            0.49       0.93       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.93       2.67       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    98229.65   17850.14   118271.70
  C & E Loss (ft)             0.00    Cum SA (acres)            868.33      84.54    1025.54


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275328.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  192.64  792.13  626.77  775.75 1320.46  761.29 1495.02  753.66
 1773.79  746.63 1937.28  744.66 2279.15  744.66 2605.51  743.21 3482.04  722.06
 3552.14  718.33 3641.22  715.34 3652.26  715.19  3849.1  717.11  4024.7  714.66
 4164.26  712.08 4314.11  707.87 4680.41  698.98 5126.82  692.07 5459.05  690.15
 5602.02  688.69 5757.58  682.67 5824.51  677.04 6179.04  675.48  6520.6  677.79
 6658.39  679.32 6873.64  668.64 7036.44   663.3 7106.08  657.96 7154.01  657.96
 7301.12  661.69 7513.88  671.74 7575.48  671.36  7702.1   672.7 8057.54  666.82
 8104.39  669.13  8255.6  673.56 8542.31  658.77 8556.08  657.25    8725  646.65
 8860.67  646.07 9109.38  655.68 9280.32  654.95  9459.4   643.5 9641.52  639.86
 9782.61  628.32 9799.46  628.06 9887.19  617.3810051.79  601.3610107.87  601.36
10148.97  606.2310272.99   634.910378.29  647.3810757.68  642.8410912.42  636.32
10967.03  631.0111175.25  628.5211422.14  634.8811715.94  631.3612337.28  626.02
13768.24  626.0214003.76  621.36 14609.2  621.3615074.98   626.715133.77  632.04
15421.43  628.1915428.26  623.4415532.62  621.6716177.48  597.9916726.46  590.68
16804.53  584.5417079.43  581.7217150.35  575.6517261.96  567.6117726.79  567.61
17840.38  571.9717949.28  590.6818036.13  609.0618054.73  611.3818288.18  630.52
18719.11  636.3219145.36  637.7321213.16   633.321325.99   633.321550.74  634.08
21893.42  630.6222859.33  633.9823111.37  639.3224752.28  644.6625126.71  647.19
25541.09  651.5226178.05  664.5426397.38  665.3427488.67  665.3428110.78  660.68
28378.92  660.6828941.01  655.3429173.76  652.2429341.74  650.7429478.84  646.01
29624.37  646.6529912.26  653.2730227.29  655.9831302.54  674.4931952.97  677.22
32900.78  713.8333040.49  714.4233644.67     68933678.66  689.1435239.13  732.98
36260.74  733.3636454.09  736.4236798.66  752.5136839.26  753.3137139.46  754.55
 37464.2   765.637619.02  768.6438377.25     79039058.66  793.5539402.29     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516726.46     .1517949.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16726.4617949.28                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.82    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506531.00   226239.50   1784567.00
  E.G. Slope (ft/ft)      0.000080    Area (sq ft)            1506531.00   226239.50   1784567.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2842862.00   651599.50   3235539.00
  Top Width (ft)          35940.45    Top Width (ft)          15372.46    1222.82   19345.17
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.89       2.88       1.81
  Max Chl Dpth (ft)         192.21    Hydr. Depth (ft)           98.00     185.01      92.25
  Conv. Total (cfs)       750568100.0    Conv. (cfs)            317052200.0   72670100.0   360845800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15385.25    1225.30   19351.08
  Min Ch El (ft)            567.61    Shear (lb/sq ft)            0.49       0.93       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.93       2.67       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    98056.73   17824.19   118066.90
  C & E Loss (ft)             0.00    Cum SA (acres)            866.56      84.40    1023.32


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275325.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  192.69  792.12  626.91  775.73 1320.76  761.29 1495.36  753.65
  1774.2  746.63 1937.72  744.65 2279.67  744.65  2606.1   743.2 3482.83  722.08
 3552.95  718.34 3642.05  715.35 3653.09   715.2 3849.97   717.1 4025.61  714.65
 4165.21  712.07 4315.09  707.85 4681.47  698.96 5127.99  692.06 5460.29  690.13
 5603.29  688.67 5758.88  682.64 5825.83     677 6180.44  675.45 6522.08  677.76
  6659.9   679.3  6875.2   668.6 7038.03  663.25 7107.69   657.9 7155.64   657.9
 7302.77  661.63 7515.58  671.69 7577.19  671.31 7703.84  672.67 8059.36  666.83
 8106.22  669.15 8257.48  673.62 8544.24  658.86 8558.02  657.34 8726.98  646.73
 8862.67  646.15 9111.45  655.78 9282.42  655.05 9461.54  643.58 9643.71  639.93
 9784.83  628.42 9801.68  628.15 9889.43  617.4510054.08   601.410110.16   601.4
10151.27  606.2810275.32  634.9510380.65  647.4510760.12   642.9 10914.9  636.39
10969.52  631.0911177.78  628.5911424.74  634.93 11718.6   631.412340.08  626.05
13771.36  626.0514006.94   621.414612.51   621.4 15078.4  626.75 15137.2   632.1
15424.93  628.2415431.76   623.515536.14  621.7316181.14  598.0216730.26   590.7
16808.46  584.5517083.84  581.7317154.89  575.6617266.69  567.6117731.77  567.61
17845.53  571.96 17954.6   590.718041.44  609.0618060.04  611.3718293.46  630.48
18724.34  636.2919150.54  637.6921218.11  633.2521330.94  633.2521555.66  634.03
 21898.3  630.58 22864.1  633.9523116.12   639.324756.84  644.6525131.23  647.19
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25545.56  651.5226182.45  664.5526401.75  665.3527492.93  665.3528114.97   660.7
28383.08   660.7 28945.1  655.3529177.83  652.2429345.79  650.7429482.87     646
29628.39  646.6429916.25  653.2630231.25  655.9831306.37  674.4631956.73   677.2
32904.43  713.7433044.13  714.3333648.25  688.9833682.23  689.1235242.53   732.9
36264.02  733.2936457.36  736.3636801.89  752.4436842.48  753.2437142.64  754.51
37467.35  765.5537622.15   768.6 38380.3     79039061.64  793.5639405.23     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516730.26     .15 17954.6     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16730.26 17954.6                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.82    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506544.00   226511.30   1784901.00
  E.G. Slope (ft/ft)      0.000080    Area (sq ft)            1506544.00   226511.30   1784901.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2841845.00   652221.10   3235934.00
  Top Width (ft)          35944.65    Top Width (ft)          15375.98    1224.34   19344.32
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.89       2.88       1.81
  Max Chl Dpth (ft)         192.21    Hydr. Depth (ft)           97.98     185.01      92.27
  Conv. Total (cfs)       750732700.0    Conv. (cfs)             317008300.0   72755380.0   360969100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15388.79    1226.83   19350.22
  Min Ch El (ft)            567.61    Shear (lb/sq ft)            0.49       0.93       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.93       2.67       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    97883.80   17798.20   117862.10
  C & E Loss (ft)             0.00    Cum SA (acres)            864.80      84.26    1021.10


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275322.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  192.73  792.12  627.05  775.72 1321.06  761.29 1495.69  753.65
  1774.6  746.62 1938.16  744.64 2280.19  744.64 2606.69  743.19 3483.62  722.09
 3553.75  718.36 3642.87  715.36 3653.92  715.21 3850.85  717.09 4026.52  714.64
 4166.15  712.06 4316.07  707.84 4682.53  698.94 5129.15  692.04 5461.53  690.11
 5604.56  688.66 5760.19  682.62 5827.15  676.96 6181.84  675.41 6523.56  677.74
 6661.41  679.28 6876.76  668.56 7039.63   663.2  7109.3  657.84 7157.26  657.84
 7304.43  661.58 7517.29  671.63 7578.91  671.26 7705.59  672.64 8061.19  666.83
 8108.06  669.16 8259.35  673.67 8546.18  658.95 8559.96  657.43 8728.96   646.8
 8864.68  646.22 9113.51  655.87 9284.53  655.14 9463.69  643.66  9645.9  640.01
 9787.04  628.51  9803.9  628.24 9891.67  617.5210056.35  601.4410112.45  601.44
10153.58  606.3310277.65     635   10383  647.5210762.56  642.9610917.37  636.46
10972.01  631.1611180.32  628.6611427.33  634.9711721.25  631.4412342.88  626.08
13774.49  626.0814010.11  621.4414615.83  621.4415081.82   626.815140.63  632.16
15428.43  628.2915435.26  623.5615539.66  621.7916184.81  598.0416734.05  590.72
16812.39  584.5617088.25  581.7517159.42  575.6717271.42  567.6117736.74  567.61
17850.68  571.9617959.91  590.7218046.74  609.0518065.35  611.3718298.74  630.44
18729.57  636.2519155.73  637.6421223.06   633.221335.88   633.221560.57  633.99
21903.18  630.5422868.88  633.9223120.86  639.28 24761.4  644.6425135.75  647.18
25550.04  651.5126186.85  664.5626406.13  665.3627497.19  665.3628119.16  660.72
28387.24  660.72 28949.2  655.36 29181.9  652.2529349.85  650.7429486.91  645.98
29632.41  646.6229920.24  653.25 30235.2  655.9731310.21  674.43 31960.5  677.17
32908.09  713.6633047.77  714.2533651.82  688.96 33685.8   689.135245.93  732.81
36267.31  733.2236460.62  736.2936805.11  752.37 36845.7  753.1737145.83  754.46
 37470.5  765.5137625.29  768.5638383.35     79039064.61  793.5639408.16     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516734.05     .1517959.91     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16734.0517959.91                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.82    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506581.00   226779.90   1785284.00
  E.G. Slope (ft/ft)      0.000080    Area (sq ft)            1506581.00   226779.90   1785284.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2840819.00   652807.40   3236374.00
  Top Width (ft)          35948.82    Top Width (ft)          15379.46    1225.86   19343.50
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.89       2.88       1.81
  Max Chl Dpth (ft)         192.21    Hydr. Depth (ft)           97.96     185.00      92.29
  Conv. Total (cfs)       750921000.0    Conv. (cfs)             316973300.0   72839040.0   361108600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15392.27    1228.35   19349.38
  Min Ch El (ft)            567.61    Shear (lb/sq ft)            0.49       0.93       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.93       2.67       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    97710.87   17772.19   117657.20
  C & E Loss (ft)             0.00    Cum SA (acres)            863.03      84.12    1018.88


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275320.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  192.77  792.12  627.19  775.71 1321.36  761.29 1496.03  753.64
    1775  746.62  1938.6  744.63 2280.71  744.63 2607.28  743.17 3484.41  722.11
 3554.56  718.38  3643.7  715.37 3654.75  715.22 3851.72  717.09 4027.44  714.63
  4167.1  712.04 4317.05  707.82 4683.59  698.92 5130.31  692.03 5462.77  690.09
 5605.83  688.64  5761.5  682.59 5828.47  676.93 6183.24  675.38 6525.04  677.72
 6662.92  679.26 6878.32  668.52 7041.22  663.15 7110.91  657.78 7158.88  657.78
 7306.08  661.53 7518.99  671.58 7580.63  671.22 7707.33  672.62 8063.02  666.84
  8109.9  669.18 8261.22  673.73 8548.12  659.04 8561.91  657.52 8730.94  646.87
 8866.69  646.29 9115.58  655.97 9286.63  655.24 9465.83  643.74 9648.08  640.08
 9789.26   628.6 9806.13  628.33 9893.92  617.5910058.63  601.4810114.75  601.48
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10155.88  606.3810279.98  635.0410385.35  647.59   10765  643.0210919.84  636.53
 10974.5  631.2411182.85  628.7311429.92  635.0211723.91  631.4812345.67  626.11
13777.61  626.1114013.29  621.4814619.14  621.4815085.24  626.8515144.06  632.22
15431.92  628.3515438.75  623.6315543.19  621.8516188.48  598.0716737.84  590.74
16816.32  584.5717092.67  581.7717163.96  575.6817276.16  567.6117741.72  567.61
17855.83  571.9617965.23  590.7418052.05  609.0518070.65  611.3718304.02  630.41
 18734.8  636.2219160.91   637.621228.02  633.1521340.82  633.1521565.49  633.94
21908.06  630.5122873.65  633.89 23125.6  639.2624765.96  644.6325140.28  647.18
25554.51  651.5126191.26  664.5726410.51  665.3727501.44  665.3728123.35  660.74
 28391.4  660.74 28953.3  655.3729185.97  652.25 29353.9  650.7429490.95  645.97
29636.43  646.6129924.23  653.2530239.15  655.9631314.04   674.431964.26  677.15
32911.75  713.5733051.42  714.1633655.39  688.9433689.37  689.0835249.32  732.72
36270.59  733.1536463.88  736.2336808.34   752.336848.91  753.1137149.02  754.41
37473.65  765.4637628.42  768.52 38386.4     79039067.58  793.5739411.09     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516737.84     .1517965.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16737.8417965.23                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.82    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506591.00   227050.40   1785624.00
  E.G. Slope (ft/ft)      0.000080    Area (sq ft)            1506591.00   227050.40   1785624.00
  Q Total (cfs)           6730000.00    Flow (cfs)            2839801.00   653420.60   3236778.00
  Top Width (ft)          35953.17    Top Width (ft)          15382.98    1227.39   19342.80
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.88       2.88       1.81
  Max Chl Dpth (ft)         192.21    Hydr. Depth (ft)           97.94     184.99      92.31
  Conv. Total (cfs)       751083600.0    Conv. (cfs)            316928400.0   72923260.0   361231900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15395.79    1229.88   19348.68
  Min Ch El (ft)            567.61    Shear (lb/sq ft)            0.49       0.93       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.92       2.66       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    97537.94   17746.14   117452.20
  C & E Loss (ft)             0.00    Cum SA (acres)            861.27      83.98    1016.66


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275317.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  192.82  792.11  627.34   775.7 1321.66  761.28 1496.37  753.63
  1775.4  746.61 1939.04  744.62 2281.22  744.62 2607.87  743.16  3485.2  722.13
 3555.36  718.39 3644.52  715.38 3655.58  715.23 3852.59  717.08 4028.35  714.62
 4168.04  712.03 4318.03   707.8 4684.65  698.91 5131.47  692.01 5464.01  690.07
  5607.1  688.62  5762.8  682.56 5829.79  676.89 6184.65  675.35 6526.52  677.69
 6664.43  679.24 6879.88  668.48 7042.82   663.1 7112.52  657.72  7160.5  657.72
 7307.74  661.48  7520.7  671.53 7582.35  671.17 7709.08  672.59 8064.84  666.85
 8111.74   669.2 8263.09  673.79 8550.06  659.12 8563.84  657.61 8732.92  646.94
  8868.7  646.36 9117.65  656.06 9288.74  655.34 9467.98  643.82 9650.27  640.16
 9791.48  628.69 9808.35  628.42 9896.16  617.6610060.91  601.5210117.04  601.52
10158.18  606.4310282.31  635.0910387.71  647.6610767.44  643.0810922.32   636.6
10976.98  631.3211185.38   628.811432.51  635.0611726.57  631.5212348.47  626.14
13780.73  626.1414016.46  621.5214622.45  621.5215088.65   626.915147.49  632.28
15435.42   628.415442.25  623.6915546.71  621.9116192.15  598.0916741.63  590.76
16820.25  584.5917097.08  581.79 17168.5  575.6817280.89  567.61 17746.7  567.61
17860.98  571.9517970.55  590.7618057.36  609.0518075.96  611.36 18309.3  630.37
18740.04  636.18 19166.1  637.5621232.97   633.121345.76   633.121570.41  633.89
21912.94  630.4722878.42  633.8623130.35  639.2424770.52  644.6225144.79  647.17
25558.99  651.5126195.66  664.5826414.89  665.38 27505.7  665.3828127.54  660.76
28395.56  660.7628957.39  655.3829190.04  652.2629357.95  650.7429494.98  645.96
29640.45   646.629928.22  653.2430243.11  655.9531317.88  674.3731968.02  677.13
32915.41  713.4833055.06  714.0833658.97  688.9233692.94  689.0635252.72  732.63
36273.88  733.0836467.14  736.1736811.56  752.2336852.14  753.04 37152.2  754.36
 37476.8  765.4137631.55  768.4838389.45     79039070.55  793.5839414.03     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516741.63     .1517970.55     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16741.6317970.55                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.82    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506618.00   227321.00   1785983.00
  E.G. Slope (ft/ft)      0.000080    Area (sq ft)            1506618.00   227321.00   1785983.00
  Q Total (cfs)           6730000.00    Flow (cfs)            2838779.00   654025.30   3237196.00
  Top Width (ft)          35957.71    Top Width (ft)          15386.68    1228.92   19342.11
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.88       2.88       1.81
  Max Chl Dpth (ft)         192.21    Hydr. Depth (ft)           97.92     184.98      92.34
  Conv. Total (cfs)       751256500.0    Conv. (cfs)            316887200.0   73007540.0   361361800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15399.50    1231.41   19347.98
  Min Ch El (ft)            567.61    Shear (lb/sq ft)            0.49       0.92       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.92       2.66       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    97365.00   17720.06   117247.20
  C & E Loss (ft)             0.00    Cum SA (acres)            859.50      83.84    1014.44


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275314.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  192.86  792.11  627.48  775.69 1321.96  761.28 1496.71  753.62
 1775.81   746.6 1939.48  744.61 2281.74  744.61 2608.46  743.15 3485.99  722.15
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 3556.17  718.41 3645.35  715.39 3656.41  715.23 3853.46  717.08 4029.26  714.61
 4168.99  712.01 4319.01  707.78 4685.71  698.89 5132.64     692 5465.24  690.06
 5608.37   688.6 5764.11  682.53 5831.11  676.85 6186.05  675.31 6527.99  677.67
 6665.94  679.22 6881.43  668.44 7044.42  663.05 7114.14  657.66 7162.12  657.66
 7309.39  661.42  7522.4  671.47 7584.06  671.13 7710.83  672.56 8066.67  666.85
 8113.58  669.21 8264.96  673.84 8551.99  659.21 8565.79   657.7 8734.89  647.01
 8870.71  646.44 9119.71  656.16 9290.84  655.43 9470.12  643.89 9652.46  640.23
  9793.7  628.78 9810.57  628.51  9898.4  617.7310063.19  601.5610119.33  601.56
10160.48  606.4810284.64  635.1410390.06  647.7310769.88  643.1410924.79  636.66
10979.47  631.3911187.92  628.88 11435.1  635.1111729.22  631.5612351.27  626.17
13783.85  626.1714019.64  621.5614625.76  621.5615092.07  626.9515150.93  632.34
15438.92  628.4515445.75  623.7515550.23  621.9716195.82  598.1216745.43  590.78
16824.18   584.617101.49   581.817173.04  575.6917285.63  567.6117751.68  567.61
17866.13  571.9517975.86  590.7818062.67  609.0518081.26  611.3618314.58  630.33
18745.27  636.1519171.28  637.5221237.93  633.0521350.71  633.0521575.33  633.84
21917.82  630.4322883.19  633.8323135.09  639.2224775.08  644.6125149.31  647.17
25563.46   651.526200.06  664.5926419.27  665.3927509.96  665.3928131.73  660.78
28399.72  660.7828961.49  655.3929194.11  652.26   29362  650.7429499.02  645.94
29644.47  646.5829932.21  653.2330247.06  655.9531321.71  674.3431971.78   677.1
32919.06   713.4 33058.7  713.9933662.54  688.8933696.51  689.0435256.12  732.54
36277.16     73336470.41  736.1136814.79  752.1636855.36  752.9737155.39  754.31
37479.95  765.3737634.68  768.44 38392.5     79039073.53  793.5839416.96     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516745.43     .1517975.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16745.4317975.86                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.82    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506643.00   227589.50   1786352.00
  E.G. Slope (ft/ft)      0.000080    Area (sq ft)            1506643.00   227589.50   1786352.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2837745.00   654621.30   3237633.00
  Top Width (ft)          35961.92    Top Width (ft)          15390.21    1230.43   19341.28
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.88       2.88       1.81
  Max Chl Dpth (ft)         192.21    Hydr. Depth (ft)           97.90     184.97      92.36
  Conv. Total (cfs)       751436200.0    Conv. (cfs)             316847600.0   73091550.0   361497000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15403.03    1232.92   19347.13
  Min Ch El (ft)            567.61    Shear (lb/sq ft)            0.49       0.92       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.92       2.66       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    97192.06   17693.96   117042.20
  C & E Loss (ft)             0.00    Cum SA (acres)            857.74      83.70    1012.22


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275311.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   192.9   792.1  627.62  775.67 1322.26  761.28 1497.05  753.61
 1776.21   746.6 1939.92   744.6 2282.26   744.6 2609.05  743.13 3486.78  722.16
 3556.97  718.42 3646.18   715.4 3657.23  715.24 3854.34  717.07 4030.17   714.6
 4169.93     712 4319.98  707.77 4686.77  698.87  5133.8  691.98 5466.48  690.04
 5609.64  688.58 5765.41  682.51 5832.43  676.82 6187.45  675.28 6529.47  677.65
 6667.45   679.2 6882.99   668.4 7046.01     663 7115.75   657.6 7163.75   657.6
 7311.05  661.37  7524.1  671.42 7585.78  671.08 7712.57  672.54  8068.5  666.86
 8115.41  669.23 8266.84   673.9 8553.93   659.3 8567.73  657.79 8736.87  647.08
 8872.72  646.51 9121.78  656.26 9292.95  655.53 9472.27  643.97 9654.64  640.31
 9795.92  628.87 9812.79   628.6 9900.64   617.810065.47   601.610121.62   601.6
10162.78  606.5210286.97  635.1810392.41   647.810772.32  643.2110927.27  636.73
10981.96  631.4711190.45  628.9511437.69  635.1611731.88   631.612354.07   626.2
13786.97   626.214022.81   621.614629.08   621.615095.49    62715154.36   632.4
15442.41  628.5115449.25  623.8115553.75  622.0316199.49  598.1516749.22   590.8
16828.11  584.6117105.91  581.8217177.58   575.717290.36  567.6117756.66  567.61
17871.28  571.9417981.18   590.818067.97  609.0518086.57  611.3618319.86   630.3
 18750.5  636.1119176.46  637.4821242.88     63321355.65    63321580.24  633.79
 21922.7   630.422887.96   633.823139.84   639.224779.64   644.625153.83  647.16
25567.94   651.526204.47  664.6126423.65   665.427514.22   665.428135.92   660.8
28403.88   660.828965.59   655.429198.18  652.2629366.05  650.7329503.06  645.93
29648.49  646.5729936.19  653.2230251.01  655.9431325.54  674.3131975.54  677.08
32922.72  713.3133062.34   713.933666.12  688.8733700.08  689.0235259.52  732.46
36280.45  732.9336473.67  736.0436818.01  752.0936858.57   752.937158.57  754.27
 37483.1  765.3237637.82   768.438395.55     790 39076.5  793.59 39419.9     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516749.22     .1517981.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16749.2217981.18                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.82    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506657.00   227860.80   1786690.00
  E.G. Slope (ft/ft)      0.000080    Area (sq ft)            1506657.00   227860.80   1786690.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2836731.00   655235.20   3238035.00
  Top Width (ft)          35966.12    Top Width (ft)          15393.72    1231.96   19340.44
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.88       2.88       1.81
  Max Chl Dpth (ft)         192.21    Hydr. Depth (ft)           97.87     184.96      92.38
  Conv. Total (cfs)       751601500.0    Conv. (cfs)             316804000.0   73176190.0   361621300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15406.56    1234.45   19346.28
  Min Ch El (ft)            567.61    Shear (lb/sq ft)            0.49       0.92       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.92       2.66       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    97019.13   17667.82   116837.10
  C & E Loss (ft)             0.00    Cum SA (acres)            855.97      83.56    1010.00


CROSS SECTION


RIVER: BRAZOS
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REACH: UPPER BRAZOS       RS: 275308.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  192.95   792.1  627.76  775.66 1322.56  761.28 1497.39  753.61
 1776.61  746.59 1940.36  744.59 2282.77  744.59 2609.65  743.12 3487.57  722.18
 3557.78  718.44    3647  715.41 3658.06  715.25 3855.21  717.07 4031.09  714.59
 4170.87  711.98 4320.96  707.75 4687.84  698.85 5134.96  691.97 5467.72  690.02
 5610.91  688.56 5766.72  682.48 5833.75  676.78 6188.85  675.25 6530.95  677.62
 6668.96  679.18 6884.55  668.36 7047.61  662.95 7117.36  657.54 7165.37  657.54
 7312.71  661.32 7525.81  671.37  7587.5  671.03 7714.32  672.51 8070.33  666.87
 8117.25  669.25 8268.71  673.96 8555.87  659.39 8569.67  657.87 8738.85  647.16
 8874.73  646.58 9123.84  656.35 9295.05  655.63 9474.41  644.05 9656.83  640.38
 9798.14  628.96 9815.02  628.69 9902.88  617.8710067.75  601.6410123.92  601.64
10165.08  606.57 10289.3  635.2310394.77  647.8710774.76  643.2710929.74   636.8
10984.44  631.5511192.99  629.0211440.28   635.211734.54  631.6412356.86  626.23
 13790.1  626.2314025.99  621.6414632.39  621.6415098.91  627.0515157.79  632.46
15445.91  628.5615452.75  623.8815557.28  622.0916203.16  598.1716753.01  590.82
16832.04  584.6217110.32  581.8417182.11  575.7117295.09   567.617761.64   567.6
17876.44  571.94 17986.5  590.8218073.28  609.0518091.87  611.3618325.14  630.26
18755.73  636.0819181.65  637.4421247.84  632.9521360.59  632.9521585.16  633.74
21927.58  630.3622892.73  633.7723144.58  639.1824784.21  644.5925158.36  647.16
25572.41   651.526208.87  664.6226428.03  665.4127518.47  665.4128140.11  660.82
28408.04  660.8228969.68  655.4129202.25  652.2729370.11  650.7329507.09  645.92
29652.51  646.5529940.18  653.2230254.97  655.9331329.38  674.2831979.31  677.06
32926.38  713.2233065.98  713.8233669.69  688.8533703.65     68935262.91  732.37
36283.73  732.8636476.93  735.9836821.23  752.0236861.79  752.8337161.76  754.22
37486.25  765.2837640.95  768.3638398.59     79039079.48   793.639422.84     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516753.01     .15 17986.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16753.01 17986.5                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.82    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506678.00   228137.30   1787038.00
  E.G. Slope (ft/ft)      0.000080    Area (sq ft)            1506678.00   228137.30   1787038.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2835709.00   655864.60   3238427.00
  Top Width (ft)          35970.28    Top Width (ft)          15397.20    1233.49   19339.59
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.88       2.87       1.81
  Max Chl Dpth (ft)         192.22    Hydr. Depth (ft)           97.85     184.95      92.40
  Conv. Total (cfs)       751776800.0    Conv. (cfs)            316763700.0   73263570.0   361749500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15410.04    1235.99   19345.42
  Min Ch El (ft)            567.60    Shear (lb/sq ft)            0.49       0.92       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.92       2.65       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    96846.18   17641.65   116632.00
  C & E Loss (ft)             0.00    Cum SA (acres)            854.20      83.41    1007.78


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275305.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  192.99  792.09   627.9  775.65 1322.86  761.27 1497.73   753.6
 1777.01  746.58  1940.8  744.58 2283.29  744.58 2610.24  743.11 3488.36   722.2
 3558.58  718.45 3647.83  715.42 3658.89  715.26 3856.08  717.06    4032  714.58
 4171.82  711.97 4321.94  707.73  4688.9  698.83 5136.12  691.95 5468.96     690
 5612.18  688.54 5768.02  682.45 5835.07  676.74 6190.25  675.21 6532.43   677.6
 6670.47  679.16 6886.11  668.32  7049.2   662.9 7118.97  657.48 7166.99  657.48
 7314.36  661.26 7527.51  671.32 7589.22  670.99 7716.07  672.48 8072.15  666.87
 8119.09  669.27 8270.58  674.01  8557.8  659.48 8571.61  657.96 8740.83  647.23
 8876.74  646.65 9125.91  656.45 9297.16  655.72 9476.56  644.13 9659.01  640.46
 9800.36  629.05 9817.24  628.78 9905.13  617.9410070.03  601.6810126.21  601.68
10167.38  606.6210291.63  635.2810397.12  647.94 10777.2  643.3310932.22  636.87
10986.93  631.6211195.52  629.0911442.87  635.2511737.19  631.6812359.66  626.26
13793.22  626.2614029.17  621.68 14635.7  621.6815102.33   627.115161.22  632.52
15449.41  628.6115456.25  623.94 15560.8  622.1516206.82   598.216756.81  590.84
16835.97  584.6317114.73  581.8617186.65  575.7217299.83   567.617766.62   567.6
17881.59  571.9317991.81  590.8418078.59  609.0418097.18  611.3518330.42  630.22
18760.96  636.0419186.83  637.3921252.79   632.921365.53   632.921590.08  633.69
21932.46  630.3322897.51  633.7423149.32  639.1624788.77  644.5825162.88  647.15
25576.88  651.4926213.27  664.6326432.41  665.4227522.73  665.4228144.29  660.84
 28412.2  660.8428973.78  655.4229206.32  652.2729374.16  650.7329511.13  645.91
29656.53  646.5429944.17  653.2130258.92  655.9231333.21  674.2531983.07  677.03
32930.03  713.1433069.62  713.7333673.27  688.8333707.22  688.9835266.31  732.28
36287.01  732.7936480.19  735.9236824.46  751.9536865.01  752.7637164.95  754.17
 37489.4  765.2337644.09  768.3238401.64     79039082.45   793.639425.77     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516756.81     .1517991.81     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16756.8117991.81                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.82    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506707.00   228405.10   1787417.00
  E.G. Slope (ft/ft)      0.000080    Area (sq ft)            1506707.00   228405.10   1787417.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2834667.00   656455.90   3238877.00
  Top Width (ft)          35974.82    Top Width (ft)          15400.91    1235.00   19338.91
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.88       2.87       1.81
  Max Chl Dpth (ft)         192.22    Hydr. Depth (ft)           97.83     184.94      92.43
  Conv. Total (cfs)       751956400.0    Conv. (cfs)            316723000.0   73347140.0   361886200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15413.76    1237.50   19344.72
  Min Ch El (ft)            567.60    Shear (lb/sq ft)            0.49       0.92       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.92       2.65       0.84
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  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    96673.23   17615.45   116426.90
  C & E Loss (ft)            0.00    Cum SA (acres)            852.44      83.27    1005.56


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275302.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  193.04  792.09  628.05  775.64 1323.16  761.27 1498.07  753.59
 1777.41  746.58 1941.24  744.57 2283.81  744.57 2610.83   743.1 3489.15  722.21
 3559.39  718.47 3648.65  715.43 3659.72  715.27 3856.96  717.06 4032.91  714.57
 4172.76  711.95 4322.92  707.72 4689.96  698.81 5137.29  691.94  5470.2  689.98
 5613.45  688.52 5769.33  682.42 5836.39  676.71 6191.65  675.18 6533.91  677.58
 6671.98  679.14 6887.67  668.28  7050.8  662.85 7120.58  657.42 7168.61  657.42
 7316.02  661.21 7529.22  671.26 7590.94  670.94 7717.81  672.45 8073.98  666.88
 8120.93  669.28 8272.45  674.07 8559.74  659.57 8573.55  658.05 8742.81   647.3
 8878.75  646.73 9127.97  656.54 9299.26  655.82  9478.7  644.21  9661.2  640.53
 9802.57  629.14 9819.46  628.87 9907.37  618.0110072.31  601.72 10128.5  601.72
10169.69  606.6710293.96  635.3210399.47  648.0110779.64  643.3910934.69  636.94
10989.42   631.711198.05  629.1611445.46   635.311739.85  631.7212362.46  626.29
13796.34  626.2914032.34  621.7214639.02  621.7215105.75  627.1515164.65  632.58
15452.91  628.6615459.75     62415564.32  622.2116210.49  598.22 16760.6  590.86
 16839.9  584.6417119.15  581.8817191.19  575.7317304.56   567.6 17771.6   567.6
17886.74  571.9317997.13  590.8618083.89  609.0418102.48  611.35 18335.7  630.19
18766.19  636.0119192.02  637.3521257.75  632.8521370.47  632.8521594.99  633.65
21937.33  630.2922902.28  633.7123154.07  639.1424793.33  644.5725167.39  647.15
25581.36  651.4926217.68  664.6426436.79  665.4327526.99  665.4328148.48  660.86
28416.36  660.8628977.88  655.4329210.39  652.2829378.21  650.7329515.17  645.89
29660.55  646.5229948.16   653.230262.88  655.9231337.05  674.2331986.83  677.01
32933.69  713.0533073.27  713.6533676.84  688.8133710.79  688.9635269.71  732.19
 36290.3  732.7236483.45  735.8536827.68  751.8836868.23  752.6937168.13  754.12
37492.55  765.1937647.22  768.2838404.69     79039085.42  793.61 39428.7     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 16760.6     .1517997.13     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       16760.617997.13                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.82    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1506727.00   228675.50   1787750.00
  E.G. Slope (ft/ft)     0.000080    Area (sq ft)            1506727.00   228675.50   1787750.00
  Q Total (cfs)          6730000.00    Flow (cfs)              2833672.00   657064.10   3239264.00
  Top Width (ft)         35979.02    Top Width (ft)          15404.43    1236.53   19338.06
  Vel Total (ft/s)           1.91    Avg. Vel. (ft/s)            1.88       2.87       1.81
  Max Chl Dpth (ft)        192.22    Hydr. Depth (ft)           97.81     184.93      92.45
  Conv. Total (cfs)      752122400.0    Conv. (cfs)            316681700.0   73431290.0   362009300.0
  Length Wtd. (ft)           5.00    Wetted Per. (ft)        15417.28    1239.03   19343.87
  Min Ch El (ft)           567.60    Shear (lb/sq ft)            0.49       0.92       0.46
  Alpha                      1.06    Stream Power (lb/ft s)      0.92       2.65       0.84
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    96500.29   17589.21   116221.70
  C & E Loss (ft)            0.00    Cum SA (acres)            850.67      83.13    1003.34


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275299.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  193.08  792.08  628.19  775.62 1323.46  761.27 1498.41  753.58
 1777.82  746.57 1941.67  744.56 2284.32  744.56 2611.42  743.08 3489.94  722.23
  3560.2  718.48 3649.48  715.44 3660.55  715.28 3857.83  717.05 4033.82  714.56
 4173.71  711.94  4323.9   707.7 4691.02  698.79 5138.45  691.92 5471.43  689.96
 5614.72  688.51 5770.63   682.4 5837.71  676.67 6193.05  675.15 6535.39  677.56
 6673.49  679.12 6889.23  668.24 7052.39   662.8 7122.19  657.36 7170.24  657.36
 7317.67  661.16 7530.92  671.21 7592.65   670.9 7719.56  672.43 8075.81  666.89
 8122.76   669.3 8274.33  674.13 8561.68  659.66 8575.49  658.14 8744.79  647.37
 8880.76   646.8 9130.04  656.64 9301.36  655.92 9480.85  644.29 9663.39  640.61
 9804.79  629.23 9821.68  628.96 9909.61  618.0810074.59  601.7610130.79  601.76
10171.99  606.7210296.29  635.3710401.83  648.0810782.08  643.4510937.17     637
 10991.9  631.7811200.59  629.2411448.05  635.3411742.51  631.7612365.26  626.32
13799.46  626.3214035.52  621.7614642.33  621.7615109.16   627.215168.09  632.64
 15456.4  628.7215463.24  624.0615567.84  622.2716214.16  598.2516764.39  590.88
16843.83  584.6617123.56  581.8917195.73  575.74 17309.3   567.617776.58   567.6
17891.89  571.9318002.45  590.88 18089.2  609.0418107.79  611.3518340.98  630.15
18771.43  635.97 19197.2  637.31 21262.7   632.821375.42   632.821599.91   633.6
21942.21  630.2522907.05  633.6823158.81  639.1224797.89  644.5625171.92  647.14
25585.83  651.4926222.08  664.6526441.16  665.4427531.25  665.4428152.67  660.88
28420.51  660.8828981.97  655.4429214.46  652.2829382.26  650.73 29519.2  645.88
29664.57  646.5129952.15   653.230266.83  655.9131340.88   674.231990.59  676.98
32937.35  712.9633076.91  713.5633680.41  688.7933714.36  688.9435273.11   732.1
36293.58  732.6536486.72  735.7936830.91  751.8136871.45  752.6237171.32  754.08
 37495.7  765.1437650.35  768.2438407.74     79039088.39  793.6239431.64     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516764.39     .1518002.45     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16764.3918002.45                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.82    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1506742.00   228945.20   1788116.00
  E.G. Slope (ft/ft)     0.000080    Area (sq ft)            1506742.00   228945.20   1788116.00
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  Q Total (cfs)           6730000.00    Flow (cfs)              2832628.00   657662.40   3239710.00
  Top Width (ft)          35983.23    Top Width (ft)          15407.95    1238.06   19337.22
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.88       2.87       1.81
  Max Chl Dpth (ft)         192.22    Hydr. Depth (ft)           97.79     184.92      92.47
  Conv. Total (cfs)       752297300.0    Conv. (cfs)             316638700.0   73515260.0   362143400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15420.81    1240.56   19343.02
  Min Ch El (ft)            567.60    Shear (lb/sq ft)            0.49       0.92       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.92       2.65       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    96327.34   17562.95   116016.50
  C & E Loss (ft)             0.00    Cum SA (acres)            848.90      82.99    1001.12


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275296.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  193.12  792.08  628.33  775.61 1323.76  761.26 1498.75  753.58
 1778.22  746.56 1942.11  744.55 2284.84  744.55 2612.01  743.07 3490.73  722.25
    3561   718.5  3650.3  715.45 3661.38  715.29  3858.7  717.05 4034.74  714.55
 4174.65  711.92 4324.88  707.68 4692.08  698.77 5139.61  691.91 5472.67  689.95
 5615.99  688.49 5771.94  682.37 5839.04  676.63 6194.45  675.11 6536.87  677.53
    6675   679.1 6890.79   668.2 7053.99  662.75  7123.8   657.3 7171.86   657.3
 7319.33   661.1 7532.62  671.16 7594.37  670.85 7721.31   672.4 8077.63  666.89
  8124.6  669.32  8276.2  674.18 8563.62  659.74 8577.43  658.23 8746.77  647.44
 8882.77  646.87 9132.11  656.73 9303.47  656.01 9482.99  644.36 9665.57  640.68
 9807.01  629.32  9823.9  629.05 9911.85  618.1510076.87   601.810133.08   601.8
10174.29  606.7710298.62  635.4210404.18  648.1510784.52  643.5110939.64  637.07
10994.39  631.8511203.12  629.3111450.64  635.3911745.16   631.812368.06  626.35
13802.58  626.3514038.69   621.814645.64   621.815112.58  627.2515171.52   632.7
 15459.9  628.7715466.74  624.1315571.36  622.3316217.83  598.2716768.19   590.9
16847.76  584.6717127.97  581.9117200.27  575.7517314.03   567.617781.55   567.6
17897.04  571.9218007.77   590.918094.51  609.0418113.09  611.3418346.26  630.11
18776.66  635.9419202.39  637.2721267.66  632.7521380.36  632.7521604.83  633.55
21947.09  630.2222911.82  633.6523163.55   639.124802.45  644.5525176.44  647.14
 25590.3  651.4826226.48  664.6626445.54  665.4527535.51  665.4528156.86   660.9
28424.67   660.928986.07  655.4529218.54  652.2829386.31  650.7329523.24  645.87
29668.59   646.529956.14  653.1930270.78   655.931344.72  674.1731994.36  676.96
   32941  712.8833080.55  713.4833683.99  688.7733717.93  688.92 35276.5  732.01
36296.86  732.5736489.98  735.7336834.13  751.7436874.67  752.5637174.51  754.03
37498.86  765.0937653.48   768.238410.79     79039091.37  793.6239434.57     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516768.19     .1518007.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16768.1918007.77                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.82    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506777.00   229215.00   1788465.00
  E.G. Slope (ft/ft)      0.000080    Area (sq ft)            1506777.00   229215.00   1788465.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2831637.00   658264.40   3240098.00
  Top Width (ft)          35987.73    Top Width (ft)          15411.61    1239.58   19336.53
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.88       2.87       1.81
  Max Chl Dpth (ft)         192.22    Hydr. Depth (ft)           97.77     184.91      92.49
  Conv. Total (cfs)       752470100.0    Conv. (cfs)             316600600.0   73599450.0   362270000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15424.48    1242.09   19342.31
  Min Ch El (ft)            567.60    Shear (lb/sq ft)            0.49       0.92       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.92       2.65       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    96154.38   17536.65   115811.20
  C & E Loss (ft)             0.00    Cum SA (acres)            847.13      82.85     998.90


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275293.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  193.17  792.07  628.47   775.6 1324.06  761.26 1499.09  753.57
 1778.62  746.56 1942.55  744.54 2285.36  744.54  2612.6  743.06 3491.52  722.26
 3561.81  718.52 3651.13  715.46  3662.2   715.3 3859.57  717.04 4035.65  714.54
  4175.6  711.91 4325.85  707.67 4693.14  698.75 5140.77   691.9 5473.91  689.93
 5617.26  688.47 5773.25  682.34 5840.36   676.6 6195.86  675.08 6538.34  677.51
 6676.51  679.08 6892.35  668.16 7055.58   662.7 7125.42  657.24 7173.48  657.24
 7320.98  661.05 7534.33   671.1 7596.09  670.81 7723.05  672.37 8079.46   666.9
 8126.44  669.33 8278.07  674.24 8565.55  659.83 8579.37  658.32 8748.74  647.51
 8884.78  646.95 9134.17  656.83 9305.57  656.11 9485.14  644.44 9667.76  640.76
 9809.23  629.41 9826.13  629.14 9914.09  618.2210079.15  601.8410135.38  601.84
10176.59  606.8210300.95  635.4610406.53  648.2210786.96  643.5710942.12  637.14
10996.88  631.9311205.66  629.3811453.23  635.4411747.82  631.8412370.85  626.38
13805.71  626.3814041.87  621.8414648.95  621.84   15116   627.315174.95  632.76
 15463.4  628.8215470.24  624.1915574.89   622.4 16221.5   598.316771.98  590.92
 16851.7  584.6817132.38  581.93 17204.8  575.7617318.76   567.617786.53   567.6
17902.19  571.9218013.08  590.9218099.82  609.04 18118.4  611.3418351.54  630.08
18781.89   635.919207.57  637.2321272.61   632.7 21385.3   632.721609.75   633.5
21951.97  630.1822916.59  633.62 23168.3  639.0824807.02  644.5425180.96  647.13
25594.78  651.4826230.89  664.6826449.92  665.4627539.76  665.4628161.05  660.92
28428.83  660.9228990.17  655.4629222.61  652.2929390.37  650.7229527.28  645.85
29672.61  646.4829960.13  653.1830274.74  655.8931348.55  674.1431998.12  676.94
32944.66  712.7933084.19  713.3933687.56  688.75 33721.5   688.9 35279.9  731.93
36300.15   732.536493.24  735.6736837.35  751.6736877.89  752.4937177.69  753.98
   37502  765.0537656.62  768.1638413.84     79039094.34  793.6339437.51     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516771.98     .1518013.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16771.9818013.08                5       5       5             .1       .3
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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.82    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506781.00   229483.40   1788812.00
  E.G. Slope (ft/ft)      0.000080    Area (sq ft)            1506781.00   229483.40   1788812.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2830601.00   658866.90   3240533.00
  Top Width (ft)          35991.91    Top Width (ft)          15415.13    1241.10   19335.69
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.88       2.87       1.81
  Max Chl Dpth (ft)         192.22    Hydr. Depth (ft)           97.75     184.90      92.51
  Conv. Total (cfs)       752634800.0    Conv. (cfs)            316554000.0   73682940.0   362397900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15428.00    1243.61   19341.46
  Min Ch El (ft)            567.60    Shear (lb/sq ft)            0.49       0.92       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.92       2.64       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    95981.43   17510.33   115605.90
  C & E Loss (ft)             0.00    Cum SA (acres)            845.36      82.70     996.68


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275290.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  193.21  792.07  628.62  775.59 1324.36  761.26 1499.42  753.56
 1779.02  746.55 1942.99  744.53 2285.87  744.53 2613.19  743.05 3492.31  722.28
 3562.61  718.53 3651.95  715.47 3663.03  715.31 3860.45  717.03 4036.56  714.53
 4176.54  711.89 4326.83  707.65  4694.2  698.73 5141.94  691.88 5475.15  689.91
 5618.53  688.45 5774.55  682.32 5841.68  676.56 6197.26  675.05 6539.82  677.49
 6678.02  679.06  6893.9  668.12 7057.18  662.65 7127.03  657.18  7175.1  657.18
 7322.64     661 7536.03  671.05 7597.81  670.76  7724.8  672.34 8081.29  666.91
 8128.28  669.35 8279.94   674.3 8567.49  659.92 8581.31  658.41 8750.72  647.59
 8886.79  647.02 9136.24  656.92 9307.68  656.21 9487.28  644.52 9669.95  640.83
 9811.45   629.5 9828.35  629.23 9916.34  618.2910081.43  601.8810137.67  601.88
10178.89  606.8710303.27  635.5110408.89  648.29 10789.4  643.6410944.59  637.21
10999.36  632.0111208.19  629.4511455.82  635.4811750.48  631.8812373.65  626.41
13808.83  626.4114045.04  621.8814652.27  621.8815119.42  627.3515178.38  632.82
15466.89  628.8715473.74  624.2515578.41  622.4616225.17  598.3316775.77  590.94
16855.62  584.69 17136.8  581.9517209.34  575.77 17323.5   567.617791.51   567.6
17907.34  571.91 18018.4  590.9418105.12  609.03 18123.7  611.3418356.82  630.04
18787.12  635.8719212.75  637.1921277.57  632.6521390.24  632.6521614.66  633.45
21956.85  630.1422921.37  633.5923173.04  639.0624811.58  644.5325185.47  647.13
25599.25  651.4826235.29  664.69 26454.3  665.4727544.02  665.4728165.24  660.94
28432.99  660.9428994.26  655.4729226.68  652.2929394.42  650.7229531.31  645.84
29676.63  646.4729964.12  653.1830278.69  655.8931352.39  674.1132001.88  676.91
32948.32   712.733087.83  713.3133691.14  688.7333725.07  688.88 35283.3  731.84
36303.43  732.43 36496.5   735.636840.58   751.636881.11  752.4237180.88  753.93
37505.16     76537659.75  768.1238416.89     79039097.31  793.6439440.45     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516775.77     .15 18018.4     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16775.77 18018.4                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.82    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506798.00   229754.80   1789164.00
  E.G. Slope (ft/ft)      0.000080    Area (sq ft)            1506798.00   229754.80   1789164.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2829583.00   659475.10   3240941.00
  Top Width (ft)          35996.27    Top Width (ft)          15418.65    1242.63   19334.99
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.88       2.87       1.81
  Max Chl Dpth (ft)         192.22    Hydr. Depth (ft)           97.73     184.89      92.54
  Conv. Total (cfs)       752804900.0    Conv. (cfs)            316511700.0   73767620.0   362525500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15431.53    1245.14   19340.75
  Min Ch El (ft)            567.60    Shear (lb/sq ft)            0.49       0.92       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.91       2.64       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    95808.48   17483.97   115400.60
  C & E Loss (ft)             0.00    Cum SA (acres)            843.59      82.56     994.46


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275287.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  193.25  792.07  628.76  775.57 1324.65  761.26 1499.76  753.55
 1779.43  746.55 1943.43  744.52 2286.39  744.52 2613.78  743.03  3493.1   722.3
 3563.42  718.55 3652.78  715.48 3663.86  715.32 3861.32  717.03 4037.47  714.52
 4177.48  711.88 4327.81  707.63 4695.27  698.71  5143.1  691.87 5476.39  689.89
  5619.8  688.43 5775.86  682.29    5843  676.52 6198.66  675.01  6541.3  677.46
 6679.53  679.04 6895.46  668.08 7058.78   662.6 7128.64  657.12 7176.73  657.12
 7324.29  660.95 7537.73     671 7599.53  670.71 7726.55  672.32 8083.12  666.91
 8130.12  669.37 8281.81  674.35 8569.43  660.01 8583.25  658.49  8752.7  647.66
  8888.8  647.09  9138.3  657.02 9309.78   656.3 9489.43   644.6 9672.13  640.91
 9813.67  629.59 9830.57  629.32 9918.58  618.3610083.71  601.9210139.96  601.92
10181.19  606.92 10305.6  635.5610411.24  648.3610791.84   643.710947.06  637.28
11001.85  632.0811210.73  629.5311458.41  635.5311753.13  631.9212376.45  626.44
13811.95  626.4414048.22  621.9214655.58  621.9215122.84   627.415181.81  632.88
15470.39  628.9315477.24  624.3115581.93  622.5216228.83  598.3516779.56  590.96
16859.55   584.717141.21  581.9617213.88  575.7817328.23   567.617796.49   567.6
 17912.5  571.9118023.72  590.9618110.43  609.0318129.01  611.33 18362.1  630.01
18792.35  635.8319217.94  637.1421282.52   632.621395.18   632.621619.58   633.4
21961.73  630.1122926.14  633.5623177.79  639.0424816.14  644.52   25190  647.12
25603.73  651.4726239.69   664.726458.68  665.4827548.28  665.4828169.43  660.96
28437.15  660.9628998.36  655.4829230.75   652.329398.47  650.7229535.35  645.83
29680.65  646.45 29968.1  653.1730282.64  655.8831356.22  674.0832005.64  676.89
32951.97  712.6233091.47  713.2233694.71  688.7133728.64  688.8635286.69  731.75
36306.71  732.3636499.77  735.54 36843.8  751.5336884.33  752.3537184.07  753.89
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 37508.3  764.9637662.88  768.0838419.94     79039100.29  793.6439443.38     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516779.56     .1518023.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16779.5618023.72                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.82    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506824.00   230026.70   1789527.00
  E.G. Slope (ft/ft)      0.000080    Area (sq ft)            1506824.00   230026.70   1789527.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2828552.00   660076.60   3241371.00
  Top Width (ft)          36000.33    Top Width (ft)          15422.17    1244.16   19333.99
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.88       2.87       1.81
  Max Chl Dpth (ft)         192.22    Hydr. Depth (ft)           97.71     184.89      92.56
  Conv. Total (cfs)       752985800.0    Conv. (cfs)            316472400.0   73852640.0   362660700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15435.07    1246.67   19339.74
  Min Ch El (ft)            567.60    Shear (lb/sq ft)            0.49       0.92       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.91       2.64       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    95635.52   17457.58   115195.20
  C & E Loss (ft)             0.00    Cum SA (acres)            841.82      82.42     992.24


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275285.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   193.3  792.06   628.9  775.56 1324.95  761.25  1500.1  753.54
 1779.83  746.54 1943.87  744.51 2286.91  744.51 2614.37  743.02 3493.89  722.32
 3564.22  718.56 3653.61  715.49 3664.69  715.33 3862.19  717.02 4038.39  714.51
 4178.43  711.86 4328.79  707.62 4696.33  698.69 5144.26  691.85 5477.62  689.87
 5621.07  688.41 5777.16  682.26 5844.32  676.49 6200.06  674.98 6542.78  677.44
 6681.04  679.02 6897.02  668.04 7060.37  662.55 7130.25  657.06 7178.35  657.06
 7325.95  660.89 7539.44  670.95 7601.24  670.67 7728.29  672.29 8084.94  666.92
 8131.95  669.39 8283.69  674.41 8571.36   660.1 8585.19  658.58 8754.68  647.73
  8890.8  647.16 9140.37  657.11 9311.89   656.4 9491.57  644.68 9674.32  640.98
 9815.88  629.68 9832.79  629.41 9920.82  618.4310085.99  601.9610142.25  601.96
10183.49  606.9710307.93   635.610413.59  648.4310794.28  643.7610949.54  637.34
11004.34  632.1611213.26   629.6   11461  635.5811755.79  631.9612379.25  626.47
13815.07  626.47 14051.4  621.9614658.89  621.9615126.26  627.4515185.25  632.94
15473.89  628.9815480.74  624.3815585.45  622.58 16232.5  598.3816783.36  590.98
16863.48  584.7117145.62  581.9817218.42  575.7917332.97   567.617801.47   567.6
17917.65  571.9118029.03  590.9818115.74  609.0318134.31  611.3318367.38  629.97
18797.58   635.819223.12   637.121287.47  632.5521400.12  632.55 21624.5  633.35
21966.61  630.0722930.91  633.5323182.53  639.02 24820.7  644.5125194.52  647.12
 25608.2  651.47 26244.1  664.7126463.06  665.4927552.54  665.4928173.62  660.98
28441.31  660.9829002.46  655.4929234.82   652.329402.52  650.7229539.39  645.82
29684.68  646.4429972.09  653.16 30286.6  655.8731360.05  674.05 32009.4  676.86
32955.63  712.5333095.11  713.1433698.29  688.6933732.21  688.8435290.09  731.66
   36310  732.2936503.03  735.4836847.02  751.4636887.55  752.2837187.25  753.84
37511.46  764.9137666.02  768.0438422.98     79039103.26  793.6539446.32     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516783.36     .1518029.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16783.3618029.03                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.82    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506843.00   230293.20   1789887.00
  E.G. Slope (ft/ft)      0.000080    Area (sq ft)            1506843.00   230293.20   1789887.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2827523.00   660669.20   3241808.00
  Top Width (ft)          36004.87    Top Width (ft)          15425.88    1245.67   19333.31
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.88       2.87       1.81
  Max Chl Dpth (ft)         192.22    Hydr. Depth (ft)           97.68     184.88      92.58
  Conv. Total (cfs)       753155100.0    Conv. (cfs)            316428400.0   73935570.0   362791100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15438.78    1248.18   19339.04
  Min Ch El (ft)            567.60    Shear (lb/sq ft)            0.49       0.92       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.91       2.64       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    95462.55   17431.16   114989.70
  C & E Loss (ft)             0.00    Cum SA (acres)            840.05      82.28     990.02


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275282.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  193.34  792.06  629.04  775.55 1325.25  761.25 1500.44  753.54
 1780.23  746.53 1944.31   744.5 2287.42   744.5 2614.96  743.01 3494.68  722.33
 3565.03  718.58 3654.43   715.5 3665.52  715.34 3863.07  717.02  4039.3   714.5
 4179.37  711.85 4329.77   707.6 4697.39  698.67 5145.43  691.84 5478.86  689.85
 5622.34  688.39 5778.47  682.23 5845.64  676.45 6201.46  674.95 6544.26  677.42
 6682.55     679 6898.58     668 7061.97   662.5 7131.86     657 7179.97     657
 7327.61  660.84 7541.14  670.89 7602.96  670.62 7730.04  672.26 8086.77  666.93
 8133.79   669.4 8285.56  674.47  8573.3  660.19 8587.13  658.67 8756.66   647.8
 8892.81  647.24 9142.43  657.21 9313.99   656.5 9493.72  644.76 9676.51  641.05
  9818.1  629.77 9835.02   629.5 9923.06   618.510088.27     60210144.54     602
 10185.8  607.0210310.26  635.6510415.95   648.510796.71  643.8210952.01  637.41
11006.83  632.2411215.79  629.6711463.59  635.6211758.45     63212382.04   626.5
 13818.2   626.514054.57     62214662.21     62215129.68   627.515188.68     633
15477.38  629.0315484.24  624.4415588.98  622.6416236.17   598.416787.15     591
16867.42  584.7317150.04     58217222.96   575.8 17337.7  567.5917806.45  567.59
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 17922.8   571.918034.35     59118121.05  609.0318139.62  611.3318372.65  629.93
18802.81  635.7619228.31  637.0621292.43   632.521405.07   632.521629.41  633.31
21971.49  630.0422935.68   633.523187.27     63924825.26   644.525199.04  647.11
25612.68  651.47 26248.5  664.7226467.44   665.527556.79   665.5 28177.8     661
28445.47     66129006.55   655.529238.89  652.3129406.57  650.7229543.42   645.8
 29688.7  646.4229976.08  653.1530290.55  655.8631363.89  674.0232013.17  676.84
32959.29  712.4533098.75  713.0533701.86  688.6733735.79  688.8235293.49  731.57
36313.28  732.2236506.29  735.4136850.25  751.3936890.77  752.2137190.44  753.79
37514.61  764.8737669.15     76838426.04     79039106.23  793.6639449.25     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516787.15     .1518034.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16787.1518034.35                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.82    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506864.00   230568.20   1790239.00
  E.G. Slope (ft/ft)      0.000080    Area (sq ft)            1506864.00   230568.20   1790239.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2826502.00   661288.40   3242210.00
  Top Width (ft)          36009.01    Top Width (ft)          15429.36    1247.20   19332.45
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.88       2.87       1.81
  Max Chl Dpth (ft)         192.23    Hydr. Depth (ft)           97.66     184.87      92.60
  Conv. Total (cfs)       753331300.0    Conv. (cfs)            316388200.0   74022180.0   362920900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15442.26    1249.72   19338.17
  Min Ch El (ft)            567.59    Shear (lb/sq ft)            0.49       0.92       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.91       2.64       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    95289.59   17404.71   114784.30
  C & E Loss (ft)             0.00    Cum SA (acres)            838.28      82.13     987.80


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275279.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  193.39  792.05  629.18  775.54 1325.55  761.25 1500.78  753.53
 1780.63  746.53 1944.75  744.49 2287.94  744.49 2615.55    743 3495.47  722.35
 3565.83  718.59 3655.26  715.51 3666.34  715.35 3863.94  717.01 4040.21  714.49
 4180.32  711.83 4330.75  707.58 4698.45  698.65 5146.59  691.82  5480.1  689.83
 5623.61  688.38 5779.77  682.21 5846.96  676.41 6202.86  674.91 6545.74   677.4
 6684.06  678.98 6900.14  667.96 7063.56  662.45 7133.47  656.94 7181.59  656.94
 7329.26  660.79 7542.85  670.84 7604.68  670.58 7731.79  672.24  8088.6  666.93
 8135.63  669.42 8287.43  674.52 8575.24  660.27 8589.07  658.76 8758.64  647.87
 8894.82  647.31  9144.5   657.3  9316.1  656.59 9495.86  644.83 9678.69  641.13
 9820.32  629.86 9837.24  629.59  9925.3  618.5710090.54  602.0410146.84  602.04
 10188.1  607.0610312.59   635.7 10418.3  648.5710799.15  643.8810954.49  637.48
11009.31  632.3111218.33  629.7411466.18  635.67 11761.1  632.0412384.84  626.53
13821.32  626.5314057.75  622.0414665.52  622.0415133.09  627.5515192.11  633.06
15480.88  629.0915487.73   624.5 15592.5   622.716239.84  598.4316790.94  591.02
16871.35  584.7417154.45  582.0217227.49  575.8117342.43  567.5917811.43  567.59
17927.95   571.918039.67  591.0218126.35  609.0318144.92  611.3318377.93   629.9
18808.05  635.7319233.49  637.0221297.38  632.4521410.01  632.4521634.33  633.26
21976.37     63022940.45  633.4723192.02  638.9824829.82  644.4925203.55  647.11
25617.15  651.46 26252.9  664.7326471.82  665.5127561.05  665.5128181.99  661.02
28449.63  661.0229010.65  655.5129242.96  652.3129410.63  650.7229547.46  645.79
29692.72  646.4129980.07  653.1530294.51  655.8631367.72  673.9932016.93  676.82
32962.95  712.3633102.39  712.9733705.43  688.6533739.36  688.7935296.88  731.49
36316.57  732.1436509.55  735.3536853.47  751.3236893.99  752.1437193.62  753.74
37517.75  764.8237672.28  767.9638429.08     79039109.21  793.6639452.18     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516790.94     .1518039.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16790.9418039.67                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.82    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506887.00   230838.50   1790582.00
  E.G. Slope (ft/ft)      0.000080    Area (sq ft)            1506887.00   230838.50   1790582.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2825510.00   661891.30   3242599.00
  Top Width (ft)          36013.35    Top Width (ft)          15432.88    1248.73   19331.74
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.88       2.87       1.81
  Max Chl Dpth (ft)         192.23    Hydr. Depth (ft)           97.64     184.86      92.62
  Conv. Total (cfs)       753500200.0    Conv. (cfs)            316348000.0   74106270.0   363045900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15445.79    1251.25   19337.46
  Min Ch El (ft)            567.59    Shear (lb/sq ft)            0.49       0.92       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.91       2.63       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    95116.63   17378.23   114578.80
  C & E Loss (ft)             0.00    Cum SA (acres)            836.51      81.99     985.58


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275276.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  193.43  792.05  629.33  775.53 1325.85  761.24 1501.12  753.52
 1781.03  746.52 1945.19  744.48 2288.46  744.48 2616.14  742.98 3496.25  722.37
 3566.64  718.61 3656.08  715.52 3667.17  715.36 3864.81  717.01 4041.13  714.48
 4181.26  711.82 4331.72  707.57 4699.51  698.64 5147.75  691.81 5481.34  689.82
 5624.88  688.36 5781.08  682.18 5848.28  676.38 6204.26  674.88 6547.22  677.37
 6685.57  678.96  6901.7  667.92 7065.16   662.4 7135.08  656.88 7183.21  656.88
 7330.92  660.73 7544.55  670.79  7606.4  670.53 7733.53  672.21 8090.42  666.94
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 8137.47  669.44  8289.3  674.58 8577.18  660.36 8591.01  658.85 8760.62  647.94
 8896.83  647.38 9146.57   657.4  9318.2  656.69 9498.01  644.91 9680.88   641.2
 9822.54  629.95 9839.46  629.68 9927.55  618.6410092.82  602.0810149.13  602.08
 10190.4  607.1110314.92  635.7410420.66  648.6410801.59  643.9410956.96  637.55
 11011.8  632.3911220.86  629.8111468.77  635.7211763.76  632.0812387.64  626.56
13824.44  626.5614060.92  622.0814668.83  622.0815136.51   627.615195.54  633.12
15484.38  629.1415491.23  624.5615596.02  622.7616243.51  598.4516794.74  591.04
16875.28  584.7517158.87  582.0417232.03  575.8217347.17  567.5917816.41  567.59
 17933.1  571.8918044.98  591.0418131.66  609.0318150.23  611.3218383.21  629.86
18813.28  635.6919238.68  636.9821302.34   632.421414.95   632.421639.25  633.21
21981.25  629.9622945.22  633.4423196.76  638.9624834.38  644.4825208.08   647.1
25621.62  651.4626257.31  664.75 26476.2  665.5227565.31  665.5228186.18  661.04
28453.79  661.0429014.75  655.5229247.03  652.3129414.68  650.71 29551.5  645.78
29696.74   646.429984.06  653.1430298.46  655.8531371.56  673.9632020.69  676.79
 32966.6  712.2733106.04  712.8833709.01  688.6333742.93  688.7735300.28   731.4
36319.85  732.0736512.82  735.29 36856.7  751.2536897.21  752.0837196.81   753.7
37520.91  764.7737675.41  767.9238432.13     79039112.18  793.6739455.12     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516794.74     .1518044.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16794.7418044.98                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.82    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506905.00   231106.00   1790948.00
  E.G. Slope (ft/ft)      0.000080    Area (sq ft)            1506905.00   231106.00   1790948.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2824463.00   662484.40   3243052.00
  Top Width (ft)          36017.75    Top Width (ft)          15436.59    1250.24   19330.92
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.87       2.87       1.81
  Max Chl Dpth (ft)         192.23    Hydr. Depth (ft)           97.62     184.85      92.65
  Conv. Total (cfs)       753673000.0    Conv. (cfs)             316303400.0   74189690.0   363179900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15449.51    1252.76   19336.62
  Min Ch El (ft)            567.59    Shear (lb/sq ft)            0.49       0.92       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.91       2.63       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    94943.66   17351.72   114373.20
  C & E Loss (ft)             0.00    Cum SA (acres)            834.74      81.85     983.36


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275273.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  193.47  792.04  629.47  775.51 1326.15  761.24 1501.46  753.51
 1781.44  746.51 1945.63  744.47 2288.97  744.47 2616.74  742.97 3497.04  722.38
 3567.44  718.62 3656.91  715.53    3668  715.37 3865.68    717 4042.04  714.47
 4182.21   711.8  4332.7  707.55 4700.57  698.62 5148.91  691.79 5482.58   689.8
 5626.15  688.34 5782.39  682.15  5849.6  676.34 6205.66  674.85  6548.7  677.35
 6687.08  678.94 6903.26  667.88 7066.75  662.35  7136.7  656.82 7184.84  656.82
 7332.57  660.68 7546.25  670.73 7608.12  670.48 7735.28  672.18 8092.25  666.95
  8139.3  669.45 8291.17  674.64 8579.11  660.45 8592.95  658.94 8762.59  648.01
 8898.84  647.46 9148.63  657.49  9320.3  656.79 9500.15  644.99 9683.06  641.28
 9824.76  630.04 9841.68  629.77 9929.79  618.71 10095.1  602.1210151.42  602.12
 10192.7  607.1610317.25  635.7910423.01  648.7110804.03     64410959.44  637.62
11014.29  632.47 11223.4  629.8911471.36  635.7611766.42  632.1212390.44  626.59
13827.56  626.59 14064.1  622.1214672.14  622.1215139.93  627.6515198.97  633.18
15487.88  629.1915494.73  624.6315599.54  622.8216247.18  598.4816798.53  591.06
16879.21  584.7617163.28  582.0517236.57  575.82 17351.9  567.5917821.39  567.59
17938.25  571.89 18050.3  591.0618136.97  609.0218155.54  611.3218388.49  629.82
18818.51  635.6619243.86  636.9321307.29  632.3521419.89  632.3521644.17  633.16
21986.12  629.93   22950  633.4123201.51  638.9424838.95  644.47 25212.6   647.1
 25626.1  651.4626261.71  664.7626480.57  665.5327569.57  665.5328190.37  661.06
28457.95  661.0629018.84  655.53 29251.1  652.3229418.73  650.7129555.54  645.76
29700.76  646.3829988.05  653.1330302.41  655.8431375.39  673.9432024.45  676.77
32970.26  712.1933109.68  712.7933712.58  688.61 33746.5  688.7535303.68  731.31
36323.13     73236516.08  735.2336859.92  751.1836900.43  752.01   37200  753.65
37524.05  764.7337678.55  767.8838435.18     79039115.15  793.6839458.05     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516798.53     .15 18050.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16798.53 18050.3                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.82    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506927.00   231378.90   1791296.00
  E.G. Slope (ft/ft)      0.000080    Area (sq ft)            1506927.00   231378.90   1791296.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2823453.00   663095.10   3243452.00
  Top Width (ft)          36021.93    Top Width (ft)          15440.10    1251.77   19330.06
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.87       2.87       1.81
  Max Chl Dpth (ft)         192.23    Hydr. Depth (ft)           97.60     184.84      92.67
  Conv. Total (cfs)       753846700.0    Conv. (cfs)             316263100.0   74275190.0   363308400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15453.02    1254.30   19335.74
  Min Ch El (ft)            567.59    Shear (lb/sq ft)            0.49       0.92       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.91       2.63       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    94770.69   17325.18   114167.60
  C & E Loss (ft)             0.00    Cum SA (acres)            832.97      81.70     981.14


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275270.*

INPUT
Description:
Station Elevation Data    num=     120
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  193.52  792.04  629.61   775.5 1326.45  761.24  1501.8   753.5
 1781.84  746.51 1946.07  744.46 2289.49  744.46 2617.33  742.96 3497.83   722.4
 3568.25  718.64 3657.73  715.54 3668.83  715.38 3866.56     717 4042.95  714.46
 4183.15  711.79 4333.68  707.53 4701.63   698.6 5150.08  691.78 5483.81  689.78
 5627.42  688.32 5783.69  682.13 5850.92   676.3 6207.06  674.82 6550.17  677.33
 6688.59  678.92 6904.81  667.84 7068.35   662.3 7138.31  656.76 7186.46  656.76
 7334.23  660.63 7547.96  670.68 7609.83  670.44 7737.03  672.15 8094.08  666.96
 8141.14  669.47 8293.05  674.69 8581.05  660.54 8594.89  659.02 8764.57  648.09
 8900.85  647.53  9150.7  657.59 9322.41  656.88  9502.3  645.07 9685.25  641.35
 9826.98  630.13  9843.9  629.86 9932.03  618.7810097.38  602.1610153.71  602.16
   10195  607.2110319.58  635.8410425.36  648.7810806.47  644.0710961.91  637.68
11016.77  632.5411225.93  629.9611473.95  635.8111769.08  632.1612393.23  626.62
13830.68  626.6214067.27  622.1614675.46  622.1615143.35   627.7 15202.4  633.24
15491.37  629.2415498.23  624.6915603.06  622.8816250.85  598.5116802.32  591.08
16883.14  584.7717167.69  582.0717241.11  575.8317356.64  567.5917826.37  567.59
17943.41  571.8818055.62  591.0818142.28  609.0218160.84  611.3218393.77  629.79
18823.74  635.6219249.04  636.8921312.25   632.321424.84   632.321649.08  633.11
   21991  629.8922954.77  633.3823206.25  638.9224843.51  644.4625217.12  647.09
25630.57  651.4526266.11  664.7726484.95  665.5427573.83  665.5428194.56  661.08
 28462.1  661.0829022.94  655.5429255.17  652.3229422.78  650.7129559.57  645.75
29704.78  646.3729992.04  653.1330306.37  655.8331379.23  673.9132028.21  676.74
32973.91   712.133113.32  712.7133716.16  688.5933750.07  688.7335307.08  731.22
36326.42  731.9336519.34  735.1636863.14  751.1136903.65  751.9437203.18   753.6
37527.21  764.6837681.68  767.8438438.23     79039118.12  793.6839460.99     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516802.32     .1518055.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16802.3218055.62                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.82    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506934.00   231649.60   1791664.00
  E.G. Slope (ft/ft)      0.000080    Area (sq ft)            1506934.00   231649.60   1791664.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2822402.00   663696.90   3243901.00
  Top Width (ft)          36026.28    Top Width (ft)          15443.62    1253.30   19329.36
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.87       2.87       1.81
  Max Chl Dpth (ft)         192.23    Hydr. Depth (ft)           97.58     184.83      92.69
  Conv. Total (cfs)       754019100.0    Conv. (cfs)            316217700.0   74359600.0   363441800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15456.55    1255.83   19335.04
  Min Ch El (ft)            567.59    Shear (lb/sq ft)            0.48       0.92       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.91       2.63       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    94597.72   17298.61   113962.00
  C & E Loss (ft)             0.00    Cum SA (acres)            831.19      81.56     978.92


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275267.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  193.56  792.03  629.75  775.49 1326.75  761.24 1502.14   753.5
 1782.24   746.5 1946.51  744.45 2290.01  744.45 2617.92  742.94 3498.62  722.42
 3569.06  718.66 3658.56  715.55 3669.66  715.39 3867.43  716.99 4043.86  714.45
  4184.1  711.77 4334.66  707.51  4702.7  698.58 5151.24  691.76 5485.05  689.76
 5628.69   688.3    5785   682.1 5852.24  676.27 6208.47  674.78 6551.65   677.3
  6690.1   678.9 6906.37   667.8 7069.95  662.25 7139.92   656.7 7188.08   656.7
 7335.88  660.57 7549.66  670.63 7611.55  670.39 7738.77  672.13 8095.91  666.96
 8142.98  669.49 8294.92  674.75 8582.99  660.63 8596.83  659.11 8766.55  648.16
 8902.86   647.6 9152.76  657.68 9324.51  656.98 9504.44  645.15 9687.44  641.43
 9829.19  630.23 9846.13  629.95 9934.27  618.8510099.66   602.2   10156   602.2
 10197.3  607.2610321.91  635.8810427.72  648.8510808.91  644.1310964.39  637.75
11019.26  632.6211228.46  630.0311476.54  635.8611771.73   632.212396.03  626.65
13833.81  626.6514070.45   622.214678.77   622.215146.77  627.7515205.84   633.3
15494.87   629.315501.73  624.7515606.59  622.9416254.51  598.5316806.12   591.1
16887.07  584.7817172.11  582.0917245.64  575.8417361.37  567.5917831.35  567.59
17948.56  571.8818060.94   591.118147.58  609.0218166.14  611.3118399.05  629.75
18828.97  635.5919254.23  636.85 21317.2  632.2521429.78  632.25   21654  633.06
21995.88  629.8522959.54  633.3523210.99   638.924848.07  644.4525221.64  647.08
25635.04  651.4526270.52  664.7826489.33  665.5527578.08  665.5528198.75   661.1
28466.26   661.129027.04  655.5529259.24  652.3329426.83  650.7129563.61  645.74
 29708.8  646.3529996.03  653.1230310.32  655.8331383.06  673.8832031.98  676.72
32977.57  712.0133116.96  712.6233719.73  688.5633753.64  688.7135310.47  731.13
 36329.7  731.86 36522.6   735.136866.37  751.0436906.87  751.8737206.37  753.55
37530.36  764.6437684.81   767.838441.28     790 39121.1  793.6939463.93     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516806.12     .1518060.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16806.1218060.94                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.82    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506966.00   231918.10   1792019.00
  E.G. Slope (ft/ft)      0.000080    Area (sq ft)            1506966.00   231918.10   1792019.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2821409.00   664285.70   3244306.00
  Top Width (ft)          36030.42    Top Width (ft)          15447.10    1254.82   19328.49
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.87       2.86       1.81
  Max Chl Dpth (ft)         192.23    Hydr. Depth (ft)           97.56     184.82      92.71
  Conv. Total (cfs)       754196900.0    Conv. (cfs)            316180900.0   74443120.0   363572800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15460.04    1257.35   19334.16
  Min Ch El (ft)            567.59    Shear (lb/sq ft)            0.48       0.92       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.91       2.63       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    94424.74   17272.00   113756.30
  C & E Loss (ft)             0.00    Cum SA (acres)            829.42      81.42     976.71


CROSS SECTION
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RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275264.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   193.6  792.03  629.89  775.48 1327.05  761.23 1502.48  753.49
 1782.64   746.5 1946.95  744.44 2290.52  744.44 2618.51  742.93 3499.41  722.44
 3569.86  718.67 3659.39  715.56 3670.49   715.4  3868.3  716.99 4044.78  714.44
 4185.04  711.76 4335.64   707.5 4703.76  698.56  5152.4  691.75 5486.29  689.74
 5629.96  688.28  5786.3  682.07 5853.56  676.23 6209.87  674.75 6553.13  677.28
  6691.6  678.88 6907.93  667.76 7071.54   662.2 7141.53  656.64  7189.7  656.64
 7337.54  660.52 7551.37  670.57 7613.27  670.35 7740.52   672.1 8097.73  666.97
 8144.82  669.51 8296.79  674.81 8584.92  660.72 8598.77   659.2 8768.53  648.23
 8904.87  647.67 9154.83  657.78 9326.62  657.08 9506.59  645.22 9689.62   641.5
 9831.41  630.32 9848.35  630.04 9936.52  618.9210101.94  602.24 10158.3  602.24
 10199.6  607.3110324.24  635.9310430.07  648.9210811.35  644.1910966.86  637.82
11021.75   632.7   11231   630.111479.13   635.911774.39  632.2412398.83  626.68
13836.93  626.6814073.62  622.2414682.08  622.2415150.19   627.815209.27  633.36
15498.37  629.3515505.23  624.8115610.11     62316258.18  598.5616809.91  591.12
   16891   584.817176.52  582.1117250.18  575.85 17366.1  567.5917836.32  567.59
17953.71  571.8818066.25  591.1218152.89  609.0218171.45  611.3118404.33  629.71
 18834.2  635.5519259.41  636.8121322.16   632.221434.72   632.221658.92  633.01
22000.76  629.8222964.31  633.3223215.74  638.8824852.63  644.4425226.16  647.08
25639.52  651.4526274.92  664.7926493.71  665.5627582.34  665.5628202.94  661.12
28470.42  661.1229031.13  655.5629263.31  652.3329430.89  650.7129567.65  645.73
29712.82  646.3430000.01  653.1130314.27  655.8231386.89  673.8532035.74   676.7
32981.23  711.93 33120.6  712.54 33723.3  688.5433757.21  688.6935313.87  731.05
36332.98  731.7936525.87  735.0436869.59  750.9736910.09   751.837209.55   753.5
37533.51  764.5937687.95  767.7638444.33     79039124.07   793.739466.86     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516809.91     .1518066.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16809.9118066.25                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.82    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506976.00   232184.30   1792350.00
  E.G. Slope (ft/ft)      0.000080    Area (sq ft)            1506976.00   232184.30   1792350.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2820406.00   664883.10   3244711.00
  Top Width (ft)          36034.94    Top Width (ft)          15450.81    1256.34   19327.80
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.87       2.86       1.81
  Max Chl Dpth (ft)         192.23    Hydr. Depth (ft)           97.53     184.81      92.73
  Conv. Total (cfs)       754353200.0    Conv. (cfs)            316134000.0   74525510.0   363693700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15463.75    1258.87   19333.45
  Min Ch El (ft)            567.59    Shear (lb/sq ft)            0.48       0.92       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.91       2.62       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    94251.77   17245.36   113550.60
  C & E Loss (ft)             0.00    Cum SA (acres)            827.65      81.27     974.49


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275261.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  193.65  792.02  630.04  775.46 1327.35  761.23 1502.81  753.48
 1783.05  746.49 1947.39  744.43 2291.04  744.43  2619.1  742.92  3500.2  722.45
 3570.67  718.69 3660.21  715.57 3671.31  715.41 3869.18  716.98 4045.69  714.43
 4185.98  711.74 4336.61  707.48 4704.82  698.54 5153.56  691.73 5487.53  689.72
 5631.24  688.26 5787.61  682.04 5854.88  676.19 6211.27  674.72 6554.61  677.26
 6693.12  678.86 6909.49  667.72 7073.14  662.15 7143.14  656.58 7191.33  656.58
  7339.2  660.47 7553.07  670.52 7614.99   670.3 7742.27  672.07 8099.56  666.98
 8146.66  669.52 8298.66  674.86 8586.86  660.81 8600.71  659.29 8770.51   648.3
 8906.88  647.75 9156.89  657.87 9328.72  657.17 9508.73   645.3 9691.81  641.58
 9833.63  630.41 9850.57  630.13 9938.76  618.9910104.22  602.2810160.59  602.28
10201.91  607.3610326.57  635.9810432.42  648.9910813.79  644.2510969.34  637.89
11024.23  632.7811233.53  630.1711481.72  635.9511777.05  632.2812401.63  626.71
13840.05  626.71 14076.8  622.28 14685.4  622.28 15153.6  627.85 15212.7  633.42
15501.86   629.415508.73  624.8815613.63  623.0616261.85  598.58 16813.7  591.14
16894.93  584.8117180.93  582.1217254.72  575.8617370.84  567.59 17841.3  567.59
17958.86  571.8718071.57  591.14 18158.2  609.0218176.76  611.3118409.61  629.68
18839.44  635.52 19264.6  636.7721327.11  632.1521439.66  632.1521663.83  632.97
22005.64  629.7822969.08  633.2923220.48  638.8624857.19  644.4325230.68  647.07
25643.99  651.4426279.32  664.8126498.09  665.57 27586.6  665.5728207.12  661.14
28474.58  661.1429035.23  655.5729267.38  652.3329434.94  650.7129571.68  645.71
29716.84  646.32   30004  653.1130318.23  655.8131390.73  673.82 32039.5  676.67
32984.89  711.8433124.24  712.4533726.88  688.5233760.78  688.6735317.27  730.96
36336.27  731.7236529.13  734.9736872.82   750.936913.31  751.7337212.74  753.46
37536.66  764.5537691.08  767.7238447.38     79039127.05   793.7 39469.8     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 16813.7     .1518071.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       16813.718071.57                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.82    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507005.00   232457.30   1792711.00
  E.G. Slope (ft/ft)      0.000080    Area (sq ft)            1507005.00   232457.30   1792711.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2819387.00   665485.10   3245128.00
  Top Width (ft)          36038.99    Top Width (ft)          15454.32    1257.87   19326.80
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.87       2.86       1.81
  Max Chl Dpth (ft)         192.23    Hydr. Depth (ft)           97.51     184.80      92.76
  Conv. Total (cfs)       754535600.0    Conv. (cfs)            316096300.0   74611020.0   363828300.0
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```
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15467.27    1260.40   19332.44
  Min Ch El (ft)            567.59    Shear (lb/sq ft)            0.48       0.92       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.91       2.62       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    94078.79   17218.70   113344.80
  C & E Loss (ft)             0.00    Cum SA (acres)            825.87      81.13     972.27


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275258.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  193.69  792.02  630.18  775.45 1327.65  761.23 1503.15  753.47
 1783.45  746.48 1947.82  744.42 2291.56  744.42 2619.69  742.91 3500.99  722.47
 3571.47   718.7 3661.04  715.58 3672.14  715.42 3870.05  716.98  4046.6  714.42
 4186.93  711.73 4337.59  707.46 4705.88  698.52 5154.73  691.72 5488.77  689.71
 5632.51  688.24 5788.91  682.02 5856.21  676.16 6212.67  674.68 6556.09  677.24
 6694.62  678.84 6911.05  667.68 7074.73   662.1 7144.75  656.52 7192.95  656.52
 7340.85  660.42 7554.77  670.47  7616.7  670.26 7744.01  672.04 8101.39  666.98
 8148.49  669.54 8300.53  674.92  8588.8  660.89 8602.65  659.38 8772.49  648.37
 8908.89  647.82 9158.96  657.97 9330.83  657.27 9510.88  645.38    9694  641.65
 9835.85   630.5 9852.79  630.22    9941  619.06 10106.5  602.3210162.88  602.32
10204.21  607.41 10328.9  636.0210434.78  649.0610816.23  644.3110971.81  637.96
11026.72  632.8511236.07  630.2511484.31     636 11779.7  632.3212404.42  626.74
13843.17  626.7414079.98  622.3214688.71  622.3215157.02   627.915216.13  633.48
15505.36  629.4615512.23  624.9415617.15  623.1216265.52  598.6116817.49  591.16
16898.86  584.8217185.34  582.1417259.26  575.8717375.57  567.5917846.28  567.59
17964.01  571.8718076.89  591.1618163.51  609.0218182.06  611.3118414.89  629.64
18844.67  635.4819269.78  636.7321332.07   632.1 21444.6   632.121668.75  632.92
22010.52  629.7422973.86  633.2623225.22  638.8424861.75  644.42 25235.2  647.07
25648.47  651.4426283.73  664.8226502.47  665.5827590.86  665.5828211.31  661.16
28478.74  661.1629039.32  655.5829271.46  652.3429438.99   650.729575.72   645.7
29720.86  646.3130007.99   653.130322.18   655.831394.56  673.7932043.26  676.65
32988.54  711.7533127.89  712.3733730.45   688.533764.35  688.6535320.66  730.87
36339.55  731.6436532.39  734.9136876.04  750.8336916.53  751.6637215.93  753.41
37539.81   764.537694.21  767.6838450.43     79039130.02  793.7139472.73     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516817.49    .1518076.89     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16817.4918076.89                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.87    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.82    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507013.00   232727.00   1793070.00
  E.G. Slope (ft/ft)      0.000080    Area (sq ft)            1507013.00   232727.00   1793070.00
  Q Total (cfs)          6730000.00    Flow (cfs)              2818351.00   666083.60   3245565.00
  Top Width (ft)          36043.33    Top Width (ft)          15457.84    1259.40   19326.09
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.87       2.86       1.81
  Max Chl Dpth (ft)         192.23    Hydr. Depth (ft)           97.49     184.79      92.78
  Conv. Total (cfs)       754704800.0    Conv. (cfs)            316051000.0   74694880.0   363958900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15470.80    1261.93   19331.72
  Min Ch El (ft)            567.59    Shear (lb/sq ft)            0.48       0.92       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.90       2.62       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    93905.80   17192.00   113139.00
  C & E Loss (ft)             0.00    Cum SA (acres)            824.10      80.98     970.05


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275255.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  193.73  792.02  630.32  775.44 1327.95  761.23 1503.49  753.47
 1783.85  746.48 1948.26  744.41 2292.08  744.41 2620.28  742.89 3501.78  722.49
 3572.28  718.72 3661.86  715.59 3672.97  715.43 3870.92  716.97 4047.51  714.41
 4187.87  711.71 4338.57  707.45 4706.94   698.5 5155.89   691.7    5490  689.69
 5633.78  688.23 5790.22  681.99 5857.53  676.12 6214.07  674.65 6557.57  677.21
 6696.13  678.82 6912.61  667.64 7076.33  662.05 7146.36  656.46 7194.57  656.46
 7342.51  660.36 7556.48  670.42 7618.42  670.21 7745.76  672.02 8103.21  666.99
 8150.33  669.56 8302.41  674.98 8590.74  660.98 8604.59  659.47 8774.46  648.44
  8910.9  647.89 9161.03  658.06 9332.93  657.37 9513.02  645.46 9696.18  641.73
 9838.07  630.59 9855.01  630.31 9943.24  619.1310108.78  602.3610165.17  602.36
10206.51  607.4610331.23  636.0710437.13  649.1310818.67  644.3710974.29  638.02
11029.21  632.93 11238.6  630.32 11486.9  636.0411782.36  632.3612407.22  626.77
 13846.3  626.7714083.15  622.3614692.02  622.3615160.44  627.9515219.56  633.54
15508.86  629.5115515.72     62515620.68  623.1916269.19  598.6316821.29  591.18
16902.79  584.8317189.76  582.1617263.79  575.8817380.31  567.5917851.26  567.59
17969.16  571.86 18082.2  591.1818168.81  609.0118187.37   611.318420.17   629.6
 18849.9  635.4519274.96  636.6821337.02  632.0521449.55  632.0521673.67  632.87
 22015.4  629.7122978.63  633.2323229.97  638.8224866.32  644.4125239.72  647.06
25652.94  651.4426288.13  664.8326506.85  665.5927595.12  665.59 28215.5  661.18
 28482.9  661.1829043.42  655.5929275.53  652.3429443.04   650.729579.76  645.69
29724.88   646.330011.98  653.0930326.13   655.8 31398.4  673.7632047.03  676.62
 32992.2  711.6733131.53  712.2833734.03  688.4833767.92  688.6335324.06  730.78
36342.84  731.5736535.65  734.8536879.27  750.7636919.75  751.5937219.11  753.36
37542.96  764.4537697.34  767.6438453.47     79039132.99  793.7239475.66     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516821.29     .15 18082.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16821.29 18082.2                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.87    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
```

```
  W.S. Elev (ft)            759.81    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507035.00   232994.40   1793433.00
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            1507035.00   232994.40   1793433.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2817342.00   666672.10   3245986.00
  Top Width (ft)          36047.63    Top Width (ft)          15461.32    1260.91   19325.40
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.87       2.86       1.81
  Max Chl Dpth (ft)         192.22    Hydr. Depth (ft)           97.47     184.78      92.80
  Conv. Total (cfs)       754880100.0    Conv. (cfs)            316011200.0   74778230.0   364090600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15474.29    1263.45   19331.02
  Min Ch El (ft)            567.59    Shear (lb/sq ft)            0.48       0.92       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.90       2.62       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    93732.82   17165.27   112933.20
  C & E Loss (ft)             0.00    Cum SA (acres)            822.32      80.84     967.83


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275252.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  193.78  792.01  630.46  775.43 1328.25  761.22 1503.83  753.46
 1784.25  746.47  1948.7   744.4 2292.59   744.4 2620.87  742.88 3502.57   722.5
 3573.08  718.73 3662.69   715.6  3673.8  715.44 3871.79  716.96 4048.43   714.4
 4188.82   711.7 4339.55  707.43    4708  698.48 5157.05  691.69 5491.24  689.67
 5635.05  688.21 5791.52  681.96 5858.85  676.09 6215.47  674.62 6559.05  677.19
 6697.64   678.8 6914.17   667.6 7077.92     662 7147.98   656.4 7196.19   656.4
 7344.16  660.31 7558.18  670.36 7620.14  670.16 7747.51  671.99 8105.04     667
 8152.17  669.57 8304.28  675.03 8592.67  661.07 8606.53  659.56 8776.44  648.52
 8912.91  647.97 9163.09  658.16 9335.04  657.46 9515.17  645.54 9698.37   641.8
 9840.29  630.68 9857.24   630.4 9945.48   619.210111.06   602.410167.46   602.4
10208.81  607.5110333.56  636.1210439.48   649.210821.11  644.4410976.76  638.09
 11031.7  633.0111241.14  630.3911489.49  636.0911785.02   632.412410.02   626.8
13849.42   626.814086.33   622.414695.33   622.415163.86     628   15223   633.6
15512.36  629.5615519.22  625.07 15624.2  623.2516272.86  598.6616825.08   591.2
16906.72  584.8417194.17  582.1817268.33  575.8917385.04  567.5817856.24  567.58
17974.31  571.8618087.52   591.218174.12  609.0118192.67   611.318425.45  629.57
18855.13  635.4119280.15  636.6421341.97     63221454.49     63221678.59  632.82
22020.28  629.67 22983.4   633.223234.71   638.824870.88   644.425244.24  647.06
25657.42  651.4326292.53  664.8426511.23   665.627599.37   665.628219.69   661.2
28487.06   661.229047.52   655.6 29279.6  652.35 29447.1   650.729583.79  645.67
 29728.9  646.2830015.97  653.0830330.09  655.7931402.23  673.7332050.79   676.6
32995.86  711.5833135.17   712.2 33737.6  688.4633771.49  688.6135327.46  730.69
36346.12   731.536538.91  734.7936882.49  750.6936922.96  751.53 37222.3  753.31
37546.11  764.4137700.48   767.638456.52     79039135.96  793.72 39478.6     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516825.08     .1518087.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16825.0818087.52                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.87    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.81    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507049.00   233269.90   1793789.00
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            1507049.00   233269.90   1793789.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2816290.00   667294.60   3246415.00
  Top Width (ft)          36051.99    Top Width (ft)          15465.02    1262.44   19324.52
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.87       2.86       1.81
  Max Chl Dpth (ft)         192.23    Hydr. Depth (ft)           97.45     184.78      92.82
  Conv. Total (cfs)       755052600.0    Conv. (cfs)            315965400.0   74865160.0   364222000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15478.00    1264.98   19330.13
  Min Ch El (ft)            567.58    Shear (lb/sq ft)            0.48       0.91       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.90       2.62       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    93559.84   17138.51   112727.30
  C & E Loss (ft)             0.00    Cum SA (acres)            820.55      80.69     965.61


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275250.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  193.82  792.01   630.6  775.41 1328.55  761.22 1504.17  753.45
 1784.66  746.46 1949.14  744.39 2293.11  744.39 2621.46  742.87 3503.36  722.52
 3573.89  718.75 3663.51  715.61 3674.63  715.45 3872.67  716.96 4049.34  714.39
 4189.76  711.68 4340.53  707.41 4709.06  698.46 5158.21  691.67 5492.48  689.65
 5636.32  688.19 5792.83  681.94 5860.17  676.05 6216.87  674.58 6560.52  677.17
 6699.15  678.78 6915.73  667.56 7079.52  661.95 7149.59  656.34 7197.81  656.34
 7345.82  660.26 7559.89  670.31 7621.86  670.12 7749.25  671.96 8106.87     667
 8154.01  669.59 8306.15  675.09 8594.61  661.16 8608.47  659.64 8778.42  648.59
 8914.92  648.04 9165.16  658.25 9337.14  657.56 9517.31  645.62 9700.56  641.88
  9842.5  630.77 9859.46  630.49 9947.73  619.2710113.34  602.4410169.76  602.44
10211.11  607.5610335.89  636.1610441.84  649.2710823.55   644.510979.23  638.16
11034.18  633.0811243.67  630.4611492.08  636.1411787.67  632.4412412.82  626.83
13852.54  626.83 14089.5  622.4414698.65  622.4415167.28  628.0515226.43  633.66
15515.85  629.6115522.72  625.1315627.72  623.3116276.53  598.6916828.87  591.22
16910.65  584.8517198.58   582.217272.87   575.917389.77  567.5817861.22  567.58
17979.47  571.8518092.84  591.2218179.43  609.0118197.98   611.318430.73  629.53
18860.36  635.3819285.33   636.621346.93  631.9521459.43  631.95 21683.5  632.77
22025.16  629.6422988.17  633.1723239.46  638.7824875.44  644.3925248.76  647.05
25661.89  651.4326296.94  664.8526515.61  665.6127603.63  665.6128223.88  661.22
28491.22  661.2229051.61  655.6129283.67  652.3529451.15   650.729587.83  645.66
29732.92  646.2730019.96  653.0830334.04  655.7831406.07   673.732054.55  676.58
32999.51  711.4933138.81  712.1133741.18  688.4433775.06  688.5935330.86  730.61
36349.41  731.4336542.18  734.7236885.71  750.6236926.18  751.4637225.48  753.27
37549.26  764.3637703.61  767.5638459.57     79039138.94  793.7339481.54     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516828.87     .1518092.84     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16828.8718092.84                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.87    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.81    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507069.00   233541.20   1794124.00
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            1507069.00   233541.20   1794124.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2815300.00   667900.00   3246800.00
  Top Width (ft)          36056.20    Top Width (ft)          15468.54    1263.97   19323.70
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.87       2.86       1.81
  Max Chl Dpth (ft)         192.23    Hydr. Depth (ft)           97.43     184.77      92.85
  Conv. Total (cfs)       755220400.0    Conv. (cfs)            315924500.0   74949730.0   364346100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15481.52    1266.51   19329.29
  Min Ch El (ft)            567.58    Shear (lb/sq ft)            0.48       0.91       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.90       2.61       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    93386.85   17111.72   112521.40
  C & E Loss (ft)             0.00    Cum SA (acres)            818.77      80.55     963.40


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275247.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  193.87     792  630.75   775.4 1328.85  761.22 1504.51  753.44
 1785.06  746.46 1949.58  744.38 2293.63  744.38 2622.05  742.86 3504.15  722.54
 3574.69  718.77 3664.34  715.62 3675.45  715.46 3873.54  716.95 4050.25  714.38
 4190.71  711.67 4341.51   707.4 4710.12  698.44 5159.38  691.66 5493.72  689.63
 5637.59  688.17 5794.14  681.91 5861.49  676.01 6218.27  674.55    6562  677.14
 6700.66  678.76 6917.28  667.52 7081.11   661.9  7151.2  656.28 7199.44  656.28
 7347.47   660.2 7561.59  670.26 7623.58  670.07    7751  671.94  8108.7  667.01
 8155.85  669.61 8308.02  675.15 8596.55  661.25 8610.41  659.73  8780.4  648.66
 8916.93  648.11 9167.22  658.35 9339.24  657.66 9519.46  645.69 9702.74  641.95
 9844.72  630.86 9861.68  630.58 9949.97  619.3410115.62  602.4810172.05  602.48
10213.41  607.6110338.22  636.2110444.19  649.3410825.99  644.5610981.71  638.23
11036.67  633.16 11246.2  630.5411494.67  636.1811790.33  632.4812415.62  626.86
13855.66  626.8614092.68  622.4814701.96  622.48 15170.7   628.115229.86  633.72
15519.35  629.6715526.22  625.1915631.24  623.3716280.19  598.7116832.67  591.24
16914.58  584.87   17203  582.2117277.41  575.9117394.51  567.58 17866.2  567.58
17984.62  571.8518098.15  591.2418184.73  609.0118203.28  611.2918436.01  629.49
18865.59  635.3419290.52  636.5621351.88   631.921464.37   631.921688.42  632.72
22030.04   629.622992.94  633.14 23244.2  638.76   24880  644.3825253.28  647.05
25666.36  651.4326301.34  664.8626519.99  665.6227607.89  665.6228228.07  661.24
28495.38  661.2429055.71  655.6229287.74  652.36 29455.2   650.729591.87  645.65
29736.94  646.2530023.95  653.07   30338  655.77 31409.9  673.6732058.31  676.55
33003.17  711.4133142.45  712.0333744.75  688.4233778.63  688.5735334.25  730.52
36352.69  731.3636545.44  734.6636888.94  750.5536929.41  751.3937228.67  753.22
37552.41  764.3237706.75  767.5238462.62     79039141.91  793.7439484.47     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516832.67     .1518098.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16832.6718098.15                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.87    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.81    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507084.00   233807.30   1794483.00
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            1507084.00   233807.30   1794483.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2814277.00   668484.60   3247239.00
  Top Width (ft)          36060.37    Top Width (ft)          15472.06    1265.48   19322.83
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.87       2.86       1.81
  Max Chl Dpth (ft)         192.23    Hydr. Depth (ft)           97.41     184.76      92.87
  Conv. Total (cfs)       755392600.0    Conv. (cfs)            315881700.0   75032440.0   364478500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15485.06    1268.02   19328.41
  Min Ch El (ft)            567.58    Shear (lb/sq ft)            0.48       0.91       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.90       2.61       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    93213.86   17084.90   112315.50
  C & E Loss (ft)             0.00    Cum SA (acres)            817.00      80.40     961.18


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275244.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  193.91     792  630.89  775.39 1329.15  761.21 1504.85  753.43
 1785.46  746.45 1950.02  744.37 2294.14  744.37 2622.64  742.84 3504.94  722.55
  3575.5  718.78 3665.17  715.63 3676.28  715.47 3874.41  716.95 4051.16  714.37
 4191.65  711.66 4342.48  707.38 4711.19  698.42 5160.54  691.64 5494.95  689.61
 5638.86  688.15 5795.44  681.88 5862.81  675.98 6219.68  674.52 6563.48  677.12
 6702.17  678.74 6918.84  667.48 7082.71  661.85 7152.81  656.22 7201.06  656.22
 7349.13  660.15 7563.29   670.2 7625.29  670.03 7752.75  671.91 8110.52  667.02
 8157.68  669.63  8309.9  675.21 8598.48  661.34 8612.35  659.82 8782.38  648.73
 8918.94  648.18 9169.29  658.44 9341.35  657.75  9521.6  645.77 9704.93  642.02
 9846.94  630.95  9863.9  630.67 9952.21  619.41 10117.9  602.5210174.34  602.52
10215.71  607.6510340.55  636.2610446.54  649.4110828.43  644.6210984.18   638.3
11039.16  633.2411248.74  630.6111497.26  636.2311792.99  632.5212418.41  626.89
13858.78  626.8914095.85  622.5214705.27  622.5215174.12  628.1515233.29  633.78
15522.85  629.7215529.72  625.2515634.77  623.4316283.86  598.7416836.46  591.26
16918.51  584.8817207.41  582.2317281.95  575.9217399.24  567.5817871.18  567.58
17989.77  571.8518103.47  591.2618190.04  609.0118208.59  611.2918441.29  629.46
18870.82  635.31 19295.7  636.5221356.84  631.8521469.31  631.8521693.34  632.68
22034.92  629.5622997.71  633.1123248.94  638.7424884.56  644.37 25257.8  647.04
25670.84  651.4326305.74  664.8826524.37  665.6327612.15  665.6328232.26  661.26
28499.53  661.2629059.81  655.6329291.81  652.3629459.25   650.7 29595.9  645.64
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29740.96  646.2430027.93  653.0630341.95  655.7731413.74  673.6432062.07  676.53
33006.83  711.3233146.09  711.9433748.32   688.4 33782.2  688.5535337.65  730.43
36355.97  731.29 36548.7   734.636892.16  750.4836932.62  751.3237231.86  753.17
37555.56  764.2737709.88  767.4838465.67     79039144.89  793.7439487.41     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516836.46     .1518103.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16836.4618103.47                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.87    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.81    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507110.00   234076.80   1794823.00
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            1507110.00   234076.80   1794823.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2813288.00   669083.50   3247629.00
  Top Width (ft)          36064.89    Top Width (ft)          15475.77    1267.01   19322.12
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.87       2.86       1.81
  Max Chl Dpth (ft)         192.23    Hydr. Depth (ft)           97.39     184.75      92.89
  Conv. Total (cfs)       755559400.0    Conv. (cfs)            315840400.0   75116240.0   364602700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15488.76    1269.55   19327.69
  Min Ch El (ft)            567.58    Shear (lb/sq ft)            0.48       0.91       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.90       2.61       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    93040.87   17058.04   112109.50
  C & E Loss (ft)             0.00    Cum SA (acres)            815.22      80.26     958.96


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275241.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  193.95  791.99  631.03  775.38 1329.45  761.21 1505.19  753.43
 1785.86  746.44 1950.46  744.36 2294.66  744.36 2623.23  742.83 3505.73  722.57
 3576.31   718.8 3665.99  715.64 3677.11  715.48 3875.29  716.94 4052.08  714.36
 4192.59  711.64 4343.46  707.36 4712.25   698.4  5161.7  691.63 5496.19  689.59
 5640.13  688.13 5796.75  681.85 5864.13  675.94 6221.08  674.48 6564.96   677.1
 6703.68  678.72  6920.4  667.44 7084.31   661.8 7154.42  656.16 7202.68  656.16
 7350.79   660.1    7565  670.15 7627.01  669.98 7754.49  671.88 8112.35  667.02
 8159.52  669.64 8311.77  675.26 8600.42  661.42 8614.29  659.91 8784.36   648.8
 8920.94  648.26 9171.35  658.54 9343.45  657.85 9523.75  645.85 9707.12   642.1
 9849.16  631.04 9866.13  630.76 9954.45  619.4810120.18  602.5610176.63  602.56
10218.02   607.710342.88   636.3 10448.9  649.4810830.87  644.6810986.66  638.36
11041.64  633.3111251.27  630.6811499.85  636.2811795.64  632.5612421.21  626.92
13861.91  626.9214099.03  622.5614708.59  622.5615177.53   628.215236.72  633.84
15526.34  629.7715533.22  625.3215638.29  623.4916287.53  598.7616840.25  591.28
16922.44  584.8917211.82  582.2517286.48  575.9317403.98  567.5817876.16  567.58
17994.92  571.8418108.79  591.2818195.35     60918213.89  611.2918446.56  629.42
18876.06  635.2719300.89  636.4821361.79   631.821474.26   631.821698.25  632.63
22039.79  629.5323002.49  633.0823253.69  638.7224889.12  644.3625262.32  647.04
25675.31  651.4226310.15  664.8926528.74  665.64 27616.4  665.6428236.45  661.28
28503.69  661.28 29063.9  655.6429295.88  652.36 29463.3   650.729599.94  645.62
29744.99  646.2230031.92  653.06 30345.9  655.7631417.57  673.6232065.84   676.5
33010.48  711.2333149.73  711.86 33751.9  688.3833785.77  688.5335341.05  730.34
36359.26  731.2136551.96  734.5336895.39  750.4136935.84  751.2537235.05  753.12
37558.71  764.2337713.01  767.4438468.72     79039147.86  793.7539490.34     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516840.25     .1518108.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16840.2518108.79                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.87    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.81    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507134.00   234347.50   1795185.00
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            1507134.00   234347.50   1795185.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2812275.00   669675.90   3248049.00
  Top Width (ft)          36069.02    Top Width (ft)          15479.24    1268.54   19321.24
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.87       2.86       1.81
  Max Chl Dpth (ft)         192.23    Hydr. Depth (ft)           97.36     184.74      92.91
  Conv. Total (cfs)       755738600.0    Conv. (cfs)            315801600.0   75200580.0   364736400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15492.24    1271.09   19326.80
  Min Ch El (ft)            567.58    Shear (lb/sq ft)            0.48       0.91       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.90       2.61       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    92867.88   17031.16   111903.40
  C & E Loss (ft)             0.00    Cum SA (acres)            813.45      80.11     956.74


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275238.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800     194  791.99  631.17  775.36 1329.75  761.21 1505.53  753.42
 1786.26  746.44  1950.9  744.35 2295.18  744.35 2623.83  742.82 3506.52  722.59
 3577.11  718.81 3666.82  715.65 3677.94  715.49 3876.16  716.94 4052.99  714.35
 4193.54  711.63 4344.44  707.35 4713.31  698.38 5162.86  691.61 5497.43  689.58
  5641.4  688.11 5798.05  681.83 5865.45   675.9 6222.48  674.45 6566.44  677.08
 6705.19   678.7 6921.96   667.4  7085.9  661.75 7156.03   656.1  7204.3   656.1
 7352.44  660.04  7566.7   670.1 7628.73  669.93 7756.24  671.85 8114.18  667.03
 8161.36  669.66 8313.64  675.32 8602.36  661.51 8616.23     660 8786.34  648.87
 8922.95  648.33 9173.42  658.63 9345.56  657.95 9525.89  645.93  9709.3  642.17
 9851.38  631.13 9868.35  630.85 9956.69  619.5510122.46   602.610178.93   602.6
10220.32  607.7510345.21  636.3510451.25  649.5510833.31  644.7410989.13  638.43
11044.13  633.3911253.81  630.7511502.44  636.32 11798.3   632.612424.01  626.95
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13865.03  626.95 14102.2   622.6 14711.9   622.615180.95  628.2515240.15   633.9
15529.84  629.8315536.72  625.3815641.81  623.55 16291.2  598.7916844.04   591.3
16926.37   584.917216.24  582.2717291.02  575.9417408.71  567.5817881.13  567.58
18000.07  571.8418114.11   591.318200.66     609 18219.2  611.2818451.84  629.39
18881.29  635.2419306.07  636.4321366.75  631.75 21479.2  631.7521703.17  632.58
22044.67  629.4923007.26  633.0523258.43   638.724893.69  644.3525266.84  647.03
25679.79  651.4226314.55   664.926533.12  665.6527620.66  665.6528240.63   661.3
28507.85   661.3   29068  655.6529299.95  652.3729467.36  650.6929603.98  645.61
29749.01  646.2130035.91  653.0530349.86  655.75 31421.4  673.59 32069.6  676.48
33014.14  711.1533153.38  711.7733755.47  688.3633789.34  688.5135344.45  730.25
36362.54  731.1436555.23  734.4736898.61  750.3436939.06  751.1837238.23  753.08
37561.86  764.1837716.14   767.438471.77     79039150.83  793.7639493.27     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516844.04     .1518114.11     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16844.0418114.11                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.87    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.81    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507143.00   234617.40   1795544.00
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            1507143.00   234617.40   1795544.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2811238.00   670270.90   3248491.00
  Top Width (ft)          36073.23    Top Width (ft)          15482.75    1270.07   19320.41
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.87       2.86       1.81
  Max Chl Dpth (ft)         192.23    Hydr. Depth (ft)           97.34     184.73      92.94
  Conv. Total (cfs)       755909600.0    Conv. (cfs)             315756600.0   75284420.0   364868500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15495.77    1272.62   19325.96
  Min Ch El (ft)            567.58    Shear (lb/sq ft)            0.48       0.91       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.90       2.61       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    92694.88   17004.25   111697.30
  C & E Loss (ft)             0.00    Cum SA (acres)            811.67      79.97     954.52


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275235.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  194.04  791.98  631.32  775.35 1330.04  761.21 1505.87  753.41
 1786.67  746.43 1951.34  744.34 2295.69  744.34 2624.42   742.8 3507.31  722.61
 3577.92  718.83 3667.64  715.66 3678.77   715.5 3877.03  716.93  4053.9  714.34
 4194.48  711.61 4345.42  707.33 4714.37  698.37 5164.03   691.6 5498.67  689.56
 5642.67   688.1 5799.36   681.8 5866.77  675.87 6223.88  674.42 6567.92  677.05
  6706.7  678.68 6923.52  667.36  7087.5   661.7 7157.64  656.04 7205.93  656.04
  7354.1  659.99  7568.4  670.05 7630.45  669.89 7757.99  671.83    8116  667.04
  8163.2  669.68 8315.51  675.38 8604.29   661.6 8618.17  660.09 8788.31  648.94
 8924.96   648.4 9175.49  658.73 9347.66  658.04 9528.04  646.01 9711.49  642.25
  9853.6  631.22 9870.57  630.94 9958.94  619.6210124.74  602.6410181.22  602.64
10222.62   607.810347.54   636.4 10453.6  649.6210835.75   644.810991.61   638.5
11046.62  633.4711256.34  630.8211505.03  636.3711800.96  632.6412426.81  626.98
13868.15  626.9814105.38  622.6414715.21  622.6415184.37   628.315243.59  633.96
15533.34  629.8815540.21  625.4415645.33  623.6116294.87  598.8216847.84  591.32
 16930.3  584.9117220.65  582.2817295.56  575.9517413.44  567.5817886.11  567.58
18005.22  571.8318119.42  591.3218205.96     609 18224.5  611.2818457.12  629.35
18886.52   635.219311.25  636.39 21371.7   631.721484.14   631.721708.09  632.53
22049.55  629.4523012.03  633.0223263.18  638.6824898.25  644.3425271.36  647.03
25684.26  651.4226318.95  664.91 26537.5  665.6627624.92  665.6628244.82  661.32
28512.01  661.32 29072.1  655.6629304.02  652.3729471.41  650.6929608.01   645.6
29753.03   646.2 30039.9  653.0430353.81  655.7431425.24  673.5632073.36  676.46
 33017.8  711.0633157.02  711.6833759.05  688.3433792.91  688.4935347.84  730.17
36365.82  731.0736558.49  734.4136901.84  750.2736942.29  751.1137241.42  753.03
37565.01  764.1337719.28  767.3638474.82     790 39153.8  793.7639496.21     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516847.84     .1518119.42     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16847.8418119.42                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.87    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.81    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507152.00   234886.40   1795890.00
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            1507152.00   234886.40   1795890.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2810224.00   670874.10   3248902.00
  Top Width (ft)          36077.58    Top Width (ft)          15486.29    1271.58   19319.71
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.86       2.86       1.81
  Max Chl Dpth (ft)         192.23    Hydr. Depth (ft)           97.32     184.72      92.96
  Conv. Total (cfs)       756075200.0    Conv. (cfs)             315711800.0   75368690.0   364994700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15499.31    1274.13   19325.25
  Min Ch El (ft)            567.58    Shear (lb/sq ft)            0.48       0.91       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.90       2.60       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    92521.88   16977.30   111491.20
  C & E Loss (ft)             0.00    Cum SA (acres)            809.89      79.82     952.31


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275232.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  194.08  791.98  631.46  775.34 1330.34   761.2  1506.2   753.4
 1787.07  746.43 1951.78  744.33 2296.21  744.33 2625.01  742.79  3508.1  722.62
 3578.72  718.84 3668.47  715.67  3679.6  715.51  3877.9  716.93 4054.82  714.33
 4195.43   711.6  4346.4  707.31 4715.43  698.35 5165.19  691.58 5499.91  689.54
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 5643.94  688.08 5800.66  681.77 5868.09  675.83 6225.28  674.38  6569.4  677.03
 6708.21  678.66 6925.08  667.32 7089.09  661.65 7159.26  655.98 7207.55  655.98
 7355.75  659.94 7570.11  669.99 7632.17  669.84 7759.73   671.8 8117.83  667.04
 8165.03  669.69 8317.38  675.43 8606.23  661.69 8620.11  660.17 8790.29  649.02
 8926.97  648.47 9177.55  658.82 9349.77  658.14 9530.18  646.09 9713.67  642.32
 9855.81  631.31 9872.79  631.03 9961.18  619.6910127.02  602.6810183.51  602.68
10224.92  607.8510349.87  636.4410455.96  649.6910838.19  644.8710994.08  638.57
 11049.1  633.5411258.88   630.911507.62  636.4211803.61  632.68 12429.6  627.01
13871.27  627.0114108.56  622.6814718.52  622.6815187.79  628.3515247.02  634.02
15536.83  629.9315543.71   625.515648.85  623.6716298.54  598.8416851.63  591.34
16934.23  584.9317225.06   582.3 17300.1  575.9617418.18  567.5817891.09  567.58
18010.38  571.8318124.74  591.3418211.27     60918229.81  611.28 18462.4  629.31
18891.75  635.1719316.44  636.3521376.66  631.6521489.08  631.6521713.01  632.48
22054.43  629.42 23016.8  632.9923267.92  638.6624902.81  644.3325275.88  647.02
25688.73  651.4126323.36  664.9226541.88  665.6727629.18  665.6728249.01  661.34
28516.17  661.3429076.19  655.6729308.09  652.3829475.46  650.6929612.05  645.58
29757.05  646.1830043.89  653.0430357.77  655.7431429.07  673.5332077.12  676.43
33021.45  710.9833160.66   711.633762.62  688.3233796.48  688.4735351.24  730.08
36369.11     73136561.75  734.3536905.06   750.2 36945.5  751.0437244.61  752.98
37568.16  764.0937722.41  767.3238477.86     79039156.78  793.7739499.14     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516851.63     .1518124.74     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16851.6318124.74                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.87    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.81    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507182.00   235154.10   1796236.00
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            1507182.00   235154.10   1796236.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2809231.00   671459.00   3249310.00
  Top Width (ft)          36081.93    Top Width (ft)          15489.99    1273.11   19318.83
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.86       2.86       1.81
  Max Chl Dpth (ft)         192.23    Hydr. Depth (ft)           97.30     184.71      92.98
  Conv. Total (cfs)       756246500.0    Conv. (cfs)             315671800.0   75451490.0   365123200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15503.02    1275.66   19324.35
  Min Ch El (ft)            567.58    Shear (lb/sq ft)            0.48       0.91       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.90       2.60       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    92348.88   16950.32   111285.10
  C & E Loss (ft)             0.00    Cum SA (acres)            808.11      79.67     950.09


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275229.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  194.13  791.97   631.6  775.33 1330.64   761.2 1506.54  753.39
 1787.47  746.42 1952.22  744.32 2296.73  744.32  2625.6  742.78 3508.89  722.64
 3579.53  718.86 3669.29  715.68 3680.42  715.52 3878.78  716.92 4055.73  714.32
 4196.37  711.58 4347.38  707.29 4716.49  698.33 5166.35  691.57 5501.14  689.52
 5645.21  688.06 5801.97  681.75 5869.41  675.79 6226.68  674.35 6570.88  677.01
 6709.72  678.64 6926.64  667.28 7090.69   661.6 7160.87  655.92 7209.17  655.92
 7357.41  659.88 7571.81  669.94 7633.88   669.8 7761.48  671.77 8119.66  667.05
 8166.87  669.71 8319.26  675.49 8608.17  661.78 8622.05  660.26 8792.27  649.09
 8928.98  648.55 9179.62  658.92 9351.87  658.24 9532.33  646.16 9715.86   642.4
 9858.03   631.4 9875.01  631.12 9963.42  619.7610129.29  602.72 10185.8  602.72
10227.22   607.9 10352.2  636.4910458.31  649.7610840.62  644.9310996.56  638.64
11051.59  633.6211261.41  630.9711510.21  636.4611806.27  632.72 12432.4  627.04
 13874.4  627.0414111.73  622.7214721.84  622.7215191.21   628.415250.45  634.08
15540.33  629.9815547.21  625.5715652.38  623.7316302.21  598.8716855.42  591.36
16938.16  584.9417229.48  582.3217304.64  575.9617422.91  567.5817896.07  567.58
18015.53  571.8218130.06  591.3618216.58     60918235.12  611.2818467.68  629.28
18896.98  635.1319321.62  636.3121381.61   631.621494.03   631.621717.92  632.43
22059.31  629.3823021.57  632.9623272.66  638.6424907.37  644.32 25280.4  647.02
25693.21  651.4126327.76  664.9326546.26  665.6827633.44  665.68 28253.2  661.36
28520.33  661.3629080.29  655.6829312.16  652.3829479.51  650.6929616.09  645.57
29761.07  646.1730047.88  653.0330361.72  655.7331432.91   673.532080.88  676.41
33025.11  710.89 33164.3  711.51 33766.2   688.333800.05  688.4535354.64  729.99
36372.39  730.9336565.01  734.2836908.28  750.1336948.72  750.9837247.79  752.93
37571.31  764.0437725.54  767.2838480.91     79039159.75  793.7839502.08     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516855.42     .1518130.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16855.4218130.06                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.87    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.81    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507192.00   235426.00   1796591.00
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            1507192.00   235426.00   1796591.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2808206.00   672063.10   3249731.00
  Top Width (ft)          36086.26    Top Width (ft)          15493.50    1274.64   19318.11
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.86       2.85       1.81
  Max Chl Dpth (ft)         192.23    Hydr. Depth (ft)           97.28     184.70      93.00
  Conv. Total (cfs)       756416500.0    Conv. (cfs)             315627600.0   75536350.0   365252600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15506.54    1277.20   19323.63
  Min Ch El (ft)            567.58    Shear (lb/sq ft)            0.48       0.91       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.89       2.60       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    92175.88   16923.32   111078.90
  C & E Loss (ft)             0.00    Cum SA (acres)            806.33      79.53     947.87


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275226.*
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INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  194.17  791.97  631.74  775.32 1330.94   761.2 1506.88  753.39
 1787.87  746.41 1952.66  744.31 2297.24  744.31 2626.19  742.77 3509.68  722.66
 3580.33  718.87 3670.12  715.69 3681.25  715.53 3879.65  716.92 4056.64  714.31
 4197.32  711.57 4348.35  707.28 4717.55  698.31 5167.51  691.55 5502.38   689.5
 5646.48  688.04 5803.28  681.72 5870.73  675.76 6228.08  674.32 6572.35  676.98
 6711.23  678.62  6928.2  667.24 7092.28  661.55 7162.48  655.86 7210.79  655.86
 7359.06  659.83 7573.52  669.89  7635.6  669.75 7763.23  671.74 8121.49  667.06
 8168.71  669.73 8321.13  675.55 8610.11  661.87 8623.99  660.35 8794.25  649.16
 8930.99  648.62 9181.68  659.01 9353.98  658.33 9534.47  646.24 9718.05  642.47
 9860.25  631.49 9877.24  631.21 9965.66  619.8310131.57  602.7610188.09  602.76
10229.52  607.9510354.53  636.5410460.66  649.8310843.07  644.9910999.03   638.7
11054.08   633.711263.94  631.04 11512.8  636.5111808.93  632.76 12435.2  627.07
13877.52  627.0714114.91  622.7614725.15  622.7615194.63  628.4515253.88  634.14
15543.83  630.0415550.71  625.63 15655.9  623.7916305.87  598.8916859.22  591.38
16942.09  584.9517233.89  582.3417309.17  575.9717427.65  567.5717901.05  567.57
18020.68  571.8218135.37  591.3818221.89    60918240.42  611.2718472.96  629.24
18902.21   635.119326.81  636.2721386.57  631.5521498.97  631.5521722.84  632.38
22064.19  629.3523026.35  632.9323277.41  638.6224911.93  644.3125284.92  647.01
25697.68  651.4126332.16  664.9526550.64  665.6927637.69  665.6928257.39  661.38
28524.49  661.3829084.39  655.6929316.23  652.3929483.56  650.6929620.12  645.56
29765.09  646.1530051.87  653.0230365.67  655.7231436.74  673.4732084.65  676.39
33028.77   710.833167.94  711.4333769.77  688.2833803.62  688.4335358.04   729.9
36375.68  730.8636568.28  734.2236911.51  750.0636951.94  750.9137250.98  752.89
37574.46     76437728.68  767.2438483.96     79039162.72  793.7839505.02     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516859.22     .1518135.37     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16859.2218135.37                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.87    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.81    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507209.00   235697.60   1796933.00
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            1507209.00   235697.60   1796933.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2807196.00   672671.70   3250132.00
  Top Width (ft)          36090.26    Top Width (ft)          15496.99    1276.15   19317.12
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.86       2.85       1.81
  Max Chl Dpth (ft)         192.24    Hydr. Depth (ft)           97.26     184.69      93.02
  Conv. Total (cfs)       756589600.0    Conv. (cfs)            315586200.0   75622050.0   365381300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15510.04    1278.71   19322.63
  Min Ch El (ft)            567.57    Shear (lb/sq ft)            0.48       0.91       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.89       2.60       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    92002.88   16896.28   110872.60
  C & E Loss (ft)             0.00    Cum SA (acres)            804.56      79.38     945.65


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275223.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  194.22  791.97  631.88   775.3 1331.24  761.19 1507.22  753.38
 1788.28  746.41  1953.1   744.3 2297.76   744.3 2626.78  742.75 3510.47  722.67
 3581.14  718.89 3670.95   715.7 3682.08  715.54 3880.52  716.91 4057.55   714.3
 4198.26  711.55 4349.33  707.26 4718.62  698.29 5168.68  691.54 5503.62  689.48
 5647.75  688.02 5804.58  681.69 5872.06  675.72 6229.48  674.28 6573.83  676.96
 6712.74   678.6 6929.75   667.2 7093.88   661.5 7164.09   655.8 7212.42   655.8
 7360.72  659.78 7575.22  669.83 7637.32  669.71 7764.97  671.72 8123.31  667.06
 8170.55  669.74    8323   675.6 8612.04  661.96 8625.93  660.44 8796.23  649.23
    8933  648.69 9183.75  659.11 9356.08  658.43 9536.62  646.32 9720.23  642.55
 9862.47  631.58 9879.46   631.3  9967.9   619.910133.85   602.810190.39   602.8
10231.82     60810356.85  636.5810463.02   649.9 10845.5  645.05 11001.5  638.77
11056.56  633.7711266.48  631.1111515.39  636.5611811.58   632.8   12438   627.1
13880.64   627.114118.08   622.814728.46   622.815198.05   628.515257.31   634.2
15547.33  630.0915554.21  625.6915659.42  623.8516309.54  598.9216863.01   591.4
16946.02  584.96 17238.3  582.3617313.71  575.9817432.38  567.5717906.03  567.57
18025.83  571.8218140.69   591.418227.19  608.9918245.72  611.2718478.24   629.2
18907.45  635.0619331.99  636.2321391.52   631.521503.91   631.521727.76  632.34
22069.07  629.3123031.12   632.923282.15   638.624916.49   644.325289.44  647.01
25702.16   651.426336.57  664.9626555.02   665.727641.95   665.728261.58   661.4
28528.65   661.429088.48   655.7 29320.3  652.3929487.62  650.6929624.16  645.55
29769.11  646.1430055.86  653.0130369.63  655.7131440.58  673.4432088.41  676.36
33032.43  710.7233171.58  711.3433773.34  688.26 33807.2  688.4135361.43  729.81
36378.96  730.7836571.54  734.1636914.73  749.9936955.16  750.8437254.16  752.84
37577.61  763.9537731.81   767.238487.01     790 39165.7  793.7939507.95     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516863.01     .1518140.69     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16863.0118140.69                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.87    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.81    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507236.00   235967.30   1797302.00
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            1507236.00   235967.30   1797302.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2806175.00   673259.50   3250566.00
  Top Width (ft)          36094.78    Top Width (ft)          15500.69    1277.68   19316.41
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.86       2.85       1.81
  Max Chl Dpth (ft)         192.24    Hydr. Depth (ft)           97.24     184.68      93.05
  Conv. Total (cfs)       756766600.0    Conv. (cfs)            315545200.0   75705840.0   365515600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15513.74    1280.24   19321.90
  Min Ch El (ft)            567.57    Shear (lb/sq ft)            0.48       0.91       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.89       2.60       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    91829.88   16869.21   110666.30
  C & E Loss (ft)             0.00    Cum SA (acres)            802.78      79.24     943.44
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CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275220.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  194.26  791.96  632.03  775.29 1331.54  761.19 1507.56  753.37
 1788.68   746.4 1953.54  744.29 2298.28  744.29 2627.37  742.74 3511.26  722.69
 3581.94  718.91 3671.77  715.71 3682.91  715.55  3881.4   716.9 4058.47  714.29
  4199.2  711.54 4350.31  707.24 4719.68  698.27 5169.84  691.52 5504.86  689.47
 5649.02     688 5805.89  681.66 5873.38  675.68 6230.89  674.25 6575.31  676.94
 6714.25  678.58 6931.31  667.16 7095.48  661.45  7165.7  655.74 7214.04  655.74
 7362.38  659.73 7576.92  669.78 7639.04  669.66 7766.72  671.69 8125.14  667.07
 8172.39  669.76 8324.87  675.66 8613.98  662.04 8627.87  660.53 8798.21   649.3
 8935.01  648.77 9185.81   659.2 9358.18  658.53 9538.76   646.4 9722.42  642.62
 9864.69  631.67 9881.68  631.39 9970.15  619.9710136.13  602.8410192.68  602.84
10234.13  608.0510359.18  636.6310465.37  649.9710847.94  645.1111003.98  638.84
11059.05  633.8511269.01  631.1811517.98   636.611814.24  632.8412440.79  627.13
13883.76  627.1314121.26  622.8414731.78  622.8415201.46  628.5515260.75  634.26
15550.82  630.1415557.71  625.7515662.94  623.9216313.21  598.94 16866.8  591.42
16949.95  584.9717242.72  582.3717318.25  575.9917437.11  567.5717911.01  567.57
18030.98  571.8118146.01  591.42 18232.5  608.9918251.03  611.2718483.52  629.17
18912.68  635.0319337.18  636.1821396.48  631.4521508.85  631.4521732.67  632.29
22073.95  629.2723035.89  632.8723286.89  638.5824921.06  644.2925293.96     647
25706.63   651.426340.97  664.97 26559.4  665.7127646.21  665.7128265.77  661.42
28532.81  661.4229092.58  655.7129324.38  652.3929491.67  650.68 29628.2  645.53
29773.13  646.1230059.84  653.0130373.58  655.7131444.41  673.4132092.17  676.34
33036.08  710.6333175.22  711.2633776.92  688.2433810.77  688.3935364.83  729.73
36382.24  730.71 36574.8  734.0936917.96  749.9236958.38  750.7737257.35  752.79
37580.76  763.9137734.94  767.1638490.06     79039168.67   793.839510.89     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 16866.8     .1518146.01     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       16866.818146.01                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.87    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.81    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507252.00   236239.70   1797648.00
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            1507252.00   236239.70   1797648.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2805163.00   673864.80   3250973.00
  Top Width (ft)          36098.93    Top Width (ft)          15504.20    1279.21   19315.52
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.86       2.85       1.81
  Max Chl Dpth (ft)         192.24    Hydr. Depth (ft)           97.22     184.68      93.07
  Conv. Total (cfs)       756938300.0    Conv. (cfs)            315503000.0   75791100.0   365644200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15517.27    1281.77   19321.00
  Min Ch El (ft)            759.57    Shear (lb/sq ft)            0.48       0.91       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.89       2.59       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    91656.87   16842.11   110460.00
  C & E Loss (ft)             0.00    Cum SA (acres)            801.00      79.09     941.22


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275217.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   194.3  791.96  632.17  775.28 1331.84  761.19  1507.9  753.36
 1789.08  746.39 1953.98  744.28 2298.79  744.28 2627.96  742.73 3512.05  722.71
 3582.75  718.92  3672.6  715.72 3683.74  715.56 3882.27   716.9 4059.38  714.28
 4200.15  711.52 4351.29  707.23 4720.74  698.25    5171  691.51  5506.1  689.45
 5650.29  687.98 5807.19  681.64  5874.7  675.65 6232.29  674.22 6576.79  676.92
 6715.76  678.56 6932.87  667.12 7097.07   661.4 7167.31  655.68 7215.66  655.68
 7364.03  659.67 7578.63  669.73 7640.75  669.61 7768.47  671.66 8126.97  667.08
 8174.22  669.78 8326.74  675.72 8615.92  662.13 8629.81  660.62 8800.19  649.37
 8937.02  648.84 9187.88   659.3 9360.29  658.62 9540.91  646.48 9724.61   642.7
 9866.91  631.76  9883.9  631.48 9972.39  620.0410138.41  602.8810194.97  602.88
10236.43   608.110361.51  636.6810467.72  650.0410850.38  645.1711006.45  638.91
11061.54  633.9311271.55  631.2611520.57  636.65 11816.9  632.8812443.59  627.16
13886.88  627.1614124.43  622.8814735.09  622.8815204.88   628.615264.18  634.32
15554.32  630.1915561.21  625.8215666.47  623.9816316.88  598.97 16870.6  591.44
16953.88  584.9817247.13  582.3917322.79     57617441.85  567.5717915.99  567.57
18036.13  571.8118151.32  591.4418237.81  608.9918256.34  611.26 18488.8  629.13
18917.91  634.9919342.36  636.1421401.43   631.421513.79   631.421737.59  632.24
22078.83  629.2423040.66  632.8423291.64  638.5624925.62  644.2825298.48     647
25711.11   651.426345.37  664.9826563.78  665.7227650.47  665.7228269.96  661.44
28536.96  661.4429096.68  655.7229328.45   652.429495.72  650.6829632.23  645.52
29777.15  646.1130063.83     65330377.53   655.731448.24  673.3832095.93  676.31
33039.74  710.5433178.86  711.1733780.49  688.2133814.34  688.3735368.23  729.64
36385.53  730.6436578.06  734.0336921.18  749.85 36961.6   750.737260.54  752.74
37583.91  763.8637738.07  767.1238493.11     79039171.64   793.839513.82     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 16870.6     .1518151.32     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       16870.618151.32                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.87    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.81    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507255.00   236505.90   1798011.00
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            1507255.00   236505.90   1798011.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2804125.00   674450.30   3251425.00
  Top Width (ft)          36103.26    Top Width (ft)          15507.73    1280.72   19314.81
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  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.86       2.85       1.81
  Max Chl Dpth (ft)         192.24    Hydr. Depth (ft)           97.19     184.67      93.09
  Conv. Total (cfs)       757106300.0    Conv. (cfs)            315456200.0   75873780.0   365776300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15520.79    1283.29   19320.29
  Min Ch El (ft)            567.57    Shear (lb/sq ft)            0.48       0.91       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.89       2.59       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    91483.86   16814.97   110253.70
  C & E Loss (ft)             0.00    Cum SA (acres)            799.22      78.94     939.00


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275215.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  194.35  791.95  632.31  775.27 1332.14  761.19 1508.24  753.36
 1789.48  746.39 1954.41  744.27 2299.31  744.27 2628.55  742.72 3512.84  722.72
 3583.55  718.94 3673.42  715.73 3684.56  715.56 3883.14  716.89 4060.29  714.27
 4201.09  711.51 4352.27  707.21  4721.8  698.23 5172.17  691.49 5507.33  689.43
 5651.56  687.96  5808.5  681.61 5876.02  675.61 6233.69  674.18 6578.27  676.89
 6717.27  678.54 6934.43  667.08 7098.67  661.35 7168.92  655.62 7217.28  655.62
 7365.69  659.62 7580.33  669.68 7642.47  669.57 7770.21  671.64 8128.79  667.09
 8176.06   669.8 8328.62  675.77 8617.85  662.22 8631.75  660.71 8802.16  649.45
 8939.03  648.91 9189.95  659.39 9362.39  658.72 9543.05  646.56 9726.79  642.77
 9869.12  631.85 9886.13  631.57 9974.63  620.1110140.69  602.9210197.26  602.92
10238.73  608.1510363.84  636.7210470.08  650.1110852.82  645.2311008.93  638.98
11064.03     63411274.08  631.3311523.16   636.711819.55  632.9212446.39  627.19
13890.01  627.1914127.61  622.92 14738.4  622.92 15208.3  628.6515267.61  634.38
15557.82  630.25 15564.7  625.8815669.99  624.0416320.55     59916874.39  591.46
16957.81     58517251.54  582.4117327.33  576.0117446.58  567.5717920.97  567.57
18041.29   571.818156.64  591.4618243.12  608.9918261.64  611.2618494.08  629.09
18923.14  634.9619347.54   636.121406.38  631.3521518.73  631.3521742.51  632.19
22083.71   629.223045.43  632.8123296.38  638.5424930.18  644.27   25303  646.99
25715.58  651.3926349.78  664.9926568.15  665.7327654.72  665.7328274.14  661.46
28541.12  661.4629100.77  655.7329332.52   652.429499.77  650.6829636.27  645.51
29781.17   646.130067.82  652.9930381.49  655.6931452.08  673.35 32099.7  676.29
33043.39  710.46 33182.5  711.0933784.07  688.1933817.91  688.3535371.62  729.55
36388.81  730.5736581.32  733.97 36924.4  749.7836964.82  750.6337263.72  752.69
37587.06  763.8137741.21  767.0838496.16     79039174.62  793.8139516.75     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516874.39     .1518156.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16874.3918156.64                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.87    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.81    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507275.00   236774.60   1798364.00
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            1507275.00   236774.60   1798364.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2803129.00   675037.50   3251833.00
  Top Width (ft)          36107.55    Top Width (ft)          15511.20    1282.25   19314.09
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.86       2.85       1.81
  Max Chl Dpth (ft)         192.24    Hydr. Depth (ft)           97.17     184.66      93.11
  Conv. Total (cfs)       757278100.0    Conv. (cfs)            315415800.0   75957070.0   365905200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15524.28    1284.82   19319.55
  Min Ch El (ft)            567.57    Shear (lb/sq ft)            0.48       0.91       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.89       2.59       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    91310.85   16787.81   110047.30
  C & E Loss (ft)             0.00    Cum SA (acres)            797.44      78.79     936.79


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275212.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  194.39  791.95  632.45  775.25 1332.44  761.18 1508.58  753.35
 1789.88  746.38 1954.85  744.26 2299.83  744.26 2629.14   742.7 3513.63  722.74
 3584.36  718.95 3674.25  715.74 3685.39  715.57 3884.01  716.89  4061.2  714.26
 4202.04  711.49 4353.25  707.19 4722.86  698.21 5173.33  691.48 5508.57  689.41
 5652.83  687.95  5809.8  681.58 5877.34  675.57 6235.09  674.15 6579.75  676.87
 6718.78  678.52 6935.99  667.04 7100.26   661.3 7170.54  655.56  7218.9  655.56
 7367.34  659.57 7582.04  669.62 7644.19  669.52 7771.96  671.61 8130.62  667.09
  8177.9  669.81 8330.49  675.83 8619.79  662.31 8633.69  660.79 8804.14  649.52
 8941.04  648.98 9192.01  659.49  9364.5  658.82  9545.2  646.63 9728.98  642.85
 9871.34  631.94 9888.35  631.66 9976.87  620.1810142.97  602.9610199.55  602.96
10241.03  608.1910366.17  636.7710472.43  650.1810855.26   645.3 11011.4  639.04
11066.51  634.0811276.61   631.411525.75  636.7411822.21  632.9612449.19  627.22
13893.13  627.2214130.78  622.9614741.71  622.9615211.72   628.715271.04  634.44
15561.31   630.3 15568.2  625.9415673.51   624.116324.22  599.0216878.18  591.48
16961.74  585.0117255.96  582.4317331.86  576.0217451.32  567.5717925.95  567.57
18046.44   571.818161.96  591.4818248.42  608.9918266.95  611.2618499.36  629.06
18928.37  634.9219352.73  636.0621411.34   631.321523.68   631.321747.43  632.14
22088.59  629.1623050.21  632.7823301.12  638.5224934.74  644.2625307.52  646.98
25720.05  651.3926354.18     66526572.53  665.7427658.98  665.7428278.33  661.48
28545.28  661.4829104.87  655.7429336.59  652.4129503.82  650.6829640.31  645.49
29785.19  646.0830071.81  652.9930385.44  655.6831455.91  673.3332103.46  676.27
33047.05  710.3733186.15     71133787.64  688.1733821.48  688.3335375.02  729.46
36392.09   730.536584.59  733.9136927.63  749.7136968.04  750.5637266.91  752.65
37590.21  763.7737744.34  767.0438499.21     79039177.59  793.8239519.69     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516878.18     .1518161.96     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16878.1818161.96                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
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```
  E.G. Elev (ft)            759.87    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.81    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507301.00   237044.20   1798708.00
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            1507301.00   237044.20   1798708.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2802127.00   675628.10   3252245.00
  Top Width (ft)          36111.78    Top Width (ft)          15514.90    1283.78   19313.09
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.86       2.85       1.81
  Max Chl Dpth (ft)         192.24    Hydr. Depth (ft)           97.15     184.65      93.13
  Conv. Total (cfs)       757450200.0    Conv. (cfs)            315374700.0   76040800.0   366034700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15527.99    1286.35   19318.54
  Min Ch El (ft)            567.57    Shear (lb/sq ft)            0.48       0.91       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.89       2.59       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    91137.84   16760.62   109840.80
  C & E Loss (ft)             0.00    Cum SA (acres)            795.66      78.65     934.57


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275209.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  194.43  791.94  632.59  775.24 1332.74  761.18 1508.92  753.34
 1790.29  746.38 1955.29  744.25 2300.34  744.25 2629.73  742.69 3514.42  722.76
 3585.17  718.97 3675.07  715.75 3686.22  715.58 3884.89  716.88 4062.12  714.25
 4202.98  711.48 4354.22  707.18 4723.92  698.19 5174.49  691.46 5509.81  689.39
  5654.1  687.93 5811.11  681.55 5878.66  675.54 6236.49  674.12 6581.23  676.85
 6720.29   678.5 6937.55     667 7101.86  661.25 7172.15   655.5 7220.53   655.5
    7369  659.51 7583.74  669.57 7645.91  669.48 7773.71  671.58 8132.45   667.1
 8179.74  669.83 8332.36  675.89 8621.73   662.4 8635.63  660.88 8806.12  649.59
 8943.05  649.06 9194.08  659.58  9366.6  658.91 9547.34  646.71 9731.17  642.92
 9873.56  632.03 9890.57  631.75 9979.11  620.2510145.25     60310201.85     603
10243.33  608.24 10368.5  636.8210474.78  650.25 10857.7  645.3611013.88  639.11
   11069  634.1611279.15  631.4711528.34  636.7911824.87     63312451.99  627.25
13896.25  627.2514133.96     62314745.03     62315215.14  628.7515274.47   634.5
15564.81  630.35 15571.7     62615677.03  624.1616327.88  599.0516881.97   591.5
16965.67  585.0217260.37  582.44 17336.4  576.0317456.05  567.5717930.93  567.57
18051.59   571.818167.28   591.518253.73  608.9918272.25  611.2518504.64  629.02
 18933.6  634.8919357.91  636.0221416.29  631.2521528.62  631.2521752.34  632.09
22093.46  629.1323054.98  632.7523305.87   638.5 24939.3  644.2525312.04  646.98
25724.53  651.3926358.58  665.0226576.91  665.7527663.24  665.7528282.52   661.5
28549.44   661.529108.97  655.7529340.66  652.4129507.88  650.6829644.35  645.48
29789.21  646.07 30075.8  652.9830389.39  655.6831459.75   673.332107.22  676.24
33050.71  710.2833189.79  710.9233791.21  688.1533825.05  688.3135378.42  729.37
36395.38  730.4336587.85  733.8436930.85  749.6436971.26   750.537270.09   752.6
37593.36  763.7237747.47     76738502.25     79039180.56  793.8239522.62     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516881.97     .1518167.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16881.9718167.28                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.87    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.81    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507308.00   237314.90   1799051.00
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            1507308.00   237314.90   1799051.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2801117.00   676231.80   3252652.00
  Top Width (ft)          36116.10    Top Width (ft)          15518.42    1285.31   19312.38
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.86       2.85       1.81
  Max Chl Dpth (ft)         192.24    Hydr. Depth (ft)           97.13     184.64      93.16
  Conv. Total (cfs)       757615100.0    Conv. (cfs)            315329600.0   76125330.0   366160200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15531.52    1287.88   19317.81
  Min Ch El (ft)            567.57    Shear (lb/sq ft)            0.48       0.91       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.89       2.59       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    90964.82   16733.39   109634.30
  C & E Loss (ft)             0.00    Cum SA (acres)            793.88      78.50     932.35


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275206.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  194.48  791.94  632.74  775.23 1333.04  761.18 1509.26  753.33
 1790.69  746.37 1955.73  744.24 2300.86  744.24 2630.32  742.68 3515.21  722.78
 3585.97  718.98  3675.9  715.76 3687.05  715.59 3885.76  716.88 4063.03  714.24
 4203.93  711.46  4355.2  707.16 4724.98  698.17 5175.65  691.45 5511.05  689.37
 5655.37  687.91 5812.41  681.53 5879.98   675.5 6237.89  674.08  6582.7  676.82
  6721.8  678.48 6939.11  666.96 7103.45   661.2 7173.76  655.44 7222.15  655.44
 7370.65  659.46 7585.44  669.52 7647.63  669.43 7775.45  671.55 8134.28  667.11
 8181.57  669.85 8334.23  675.94 8623.67  662.49 8637.57  660.97  8808.1  649.66
 8945.06  649.13 9196.14  659.68 9368.71  659.01 9549.49  646.79 9733.35     643
 9875.78  632.13 9892.79  631.84 9981.36  620.3210147.53  603.0410204.14  603.04
10245.63  608.2910370.83  636.8610477.14  650.3210860.14  645.4211016.35  639.18
11071.49  634.2311281.68  631.5411530.93  636.8411827.52  633.0412454.78  627.28
13899.37  627.2814137.14  623.0414748.34  623.0415218.56   628.8 15277.9  634.56
15568.31  630.41 15575.2  626.0715680.55  624.2216331.55  599.0716885.77  591.52
 16969.6  585.0317264.78  582.4617340.94  576.0417460.78  567.57 17935.9  567.57
18056.74  571.7918172.59  591.5218259.04  608.9818277.56  611.2518509.92  628.98
18938.83  634.85 19363.1  635.9821421.25   631.221533.56   631.221757.26  632.04
22098.34  629.0923059.75  632.7223310.61  638.4824943.87  644.2425316.56  646.97
   25729  651.3826362.99  665.0326581.29  665.76 27667.5  665.7628286.71  661.52
 28553.6  661.5229113.06  655.7629344.73  652.4129511.93  650.6829648.38  645.47
29793.23  646.0530079.79  652.9730393.35  655.6731463.58  673.2732110.98  676.22
33054.37   710.233193.43  710.8333794.79  688.1333828.62  688.2935381.82  729.29
36398.66  730.3536591.11  733.7836934.07  749.5736974.48  750.4337273.28  752.55
37596.51  763.6837750.61  766.96 38505.3     79039183.54  793.8339525.56     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516885.77     .1518172.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16885.7718172.59                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.87    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.81    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507328.00   237582.30   1799408.00
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            1507328.00   237582.30   1799408.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2800108.00   676814.90   3253077.00
  Top Width (ft)          36120.24    Top Width (ft)          15521.94    1286.82   19311.48
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.86       2.85       1.81
  Max Chl Dpth (ft)         192.24    Hydr. Depth (ft)           97.11     184.63      93.18
  Conv. Total (cfs)       757790000.0    Conv. (cfs)            315288800.0   76208550.0   366292600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15535.05    1289.39   19316.91
  Min Ch El (ft)            567.57    Shear (lb/sq ft)           0.48       0.91       0.46
  Alpha                       1.06    Stream Power (lb/ft s)     0.89       2.58       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    90791.80   16706.14   109427.80
  C & E Loss (ft)             0.00    Cum SA (acres)            792.09      78.35     930.14


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275203.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  194.52  791.93  632.88  775.22 1333.34  761.18 1509.59  753.32
 1791.09  746.36 1956.17  744.23 2301.38  744.23 2630.92  742.66 3515.99  722.79
 3586.78     719 3676.73  715.77 3687.88   715.6 3886.63  716.87 4063.94  714.23
 4204.87  711.45 4356.18  707.14 4726.05  698.15 5176.81  691.44 5512.29  689.36
 5656.64  687.89 5813.72   681.5  5881.3  675.46 6239.29  674.05 6584.18   676.8
 6723.31  678.46 6940.67  666.92 7105.05  661.15 7175.37  655.38 7223.77  655.38
 7372.31  659.41 7587.15  669.46 7649.34  669.39  7777.2  671.53  8136.1  667.11
 8183.41  669.86  8336.1    676  8625.6  662.58 8639.51  661.06 8810.08  649.73
 8947.07   649.2 9198.21  659.77 9370.81  659.11 9551.63  646.87 9735.54  643.07
    9878  632.22 9895.01  631.93  9983.6  620.3910149.81  603.0810206.43  603.08
10247.93  608.3410373.16  636.9110479.49  650.3910862.58  645.4811018.83  639.25
11073.97  634.3111284.22  631.6211533.52  636.8811830.18  633.0812457.58  627.31
 13902.5  627.3114140.31  623.0814751.65  623.0815221.97  628.8515281.34  634.62
 15571.8  630.46 15578.7  626.1315684.08  624.2816335.22   599.116889.56  591.54
16973.53  585.04 17269.2  582.4817345.48  576.0517465.52  567.5717940.88  567.57
18061.89  571.7918177.91  591.5418264.35  608.9818282.86  611.25 18515.2  628.95
18944.07  634.8219368.28  635.93 21426.2  631.15 21538.5  631.1521762.18     632
22103.22  629.0623064.52  632.6923315.36  638.4624948.43  644.2325321.08  646.97
25733.47  651.3826367.39  665.0426585.67  665.7727671.76  665.77 28290.9  661.54
28557.76  661.5429117.16  655.77 29348.8  652.4229515.98  650.6729652.42  645.45
29797.25  646.0430083.78  652.97 30397.3  655.6631467.42  673.2432114.74  676.19
33058.02  710.1133197.07  710.7533798.36  688.1133832.19  688.2735385.21   729.2
36401.95  730.2836594.38  733.72 36937.3   749.5 36977.7  750.3637276.46   752.5
37599.66  763.6337753.74  766.9238508.35     79039186.51  793.84 39528.5     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516889.56     .1518177.91     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16889.5618177.91                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.87    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.81    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507348.00   237851.40   1799762.00
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            1507348.00   237851.40   1799762.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2799109.00   677403.00   3253488.00
  Top Width (ft)          36124.57    Top Width (ft)          15525.46    1288.35   19310.77
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.86       2.85       1.81
  Max Chl Dpth (ft)         192.24    Hydr. Depth (ft)           97.09     184.62      93.20
  Conv. Total (cfs)       757962000.0    Conv. (cfs)            315247900.0   76292090.0   366422000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15538.57    1290.92   19316.19
  Min Ch El (ft)            567.57    Shear (lb/sq ft)           0.48       0.91       0.46
  Alpha                       1.06    Stream Power (lb/ft s)     0.89       2.58       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    90618.79   16678.85   109221.20
  C & E Loss (ft)             0.00    Cum SA (acres)            790.31      78.20     927.92


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275200.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  194.56  791.93  633.02   775.2 1333.64  761.17 1509.93  753.32
 1791.49  746.36 1956.61  744.22  2301.9  744.22 2631.51  742.65 3516.78  722.81
 3587.58  719.01 3677.55  715.78 3688.71  715.61 3887.51  716.87 4064.85  714.22
 4205.81  711.43 4357.16  707.13 4727.11  698.13 5177.98  691.42 5513.52  689.34
 5657.91  687.87 5815.03  681.47 5882.62  675.43 6240.69  674.02 6585.66  676.78
 6724.82  678.44 6942.22  666.88 7106.65   661.1 7176.98  655.32 7225.39  655.32
 7373.96  659.35 7588.85  669.41 7651.06  669.34 7778.94   671.5 8137.93  667.12
 8185.25  669.88 8337.98  676.06 8627.54  662.66 8641.45  661.15 8812.06   649.8
 8949.08  649.28 9200.27  659.87 9372.92   659.2 9553.78  646.95 9737.72  643.14
 9880.22  632.31 9897.24  632.02 9985.84  620.4610152.09  603.1210208.72  603.12
10250.24  608.3910375.49  636.9610481.84  650.4610865.02  645.54 11021.3  639.32
11076.46  634.3911286.75  631.6911536.11  636.9311832.84  633.1212460.38  627.34
13905.62  627.3414143.49  623.1214754.97  623.1215225.39   628.915284.77  634.68
 15575.3  630.51 15582.2  626.19 15687.6  624.3416338.89  599.1216893.35  591.56
16977.46  585.0517273.61   582.517350.02  576.0617470.25  567.5617945.86  567.56
18067.04  571.7818183.23  591.5618269.65  608.9818288.17  611.2518520.48  628.91
 18949.3  634.7819373.46  635.8921431.16   631.121543.45   631.121767.09  631.95
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 22108.1  629.0223069.29  632.66 23320.1  638.4424952.99  644.22 25325.6  646.96
25737.95  651.3826371.79  665.0526590.05  665.7827676.01  665.7828295.09  661.56
28561.92  661.5629121.26  655.7829352.87  652.4229520.03  650.6729656.46  645.44
29801.28  646.0230087.77  652.9630401.26  655.6531471.25  673.2132118.51  676.17
33061.68  710.0233200.71  710.6633801.94  688.0933835.76  688.2535388.61  729.11
36405.23  730.2136597.64  733.6536940.52  749.4336980.92  750.2937279.65  752.46
37602.81  763.5937756.87  766.88 38511.4     79039189.48  793.8439531.43     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516893.35     .1518183.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16893.3518183.23                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.87    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.81    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507359.00   238128.00   1800124.00
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            1507359.00   238128.00   1800124.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2798049.00   678020.30   3253931.00
  Top Width (ft)          36128.75    Top Width (ft)          15529.12    1289.88   19309.76
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.86       2.85       1.81
  Max Chl Dpth (ft)         192.25    Hydr. Depth (ft)           97.07     184.61      93.22
  Conv. Total (cfs)       758139600.0    Conv. (cfs)            315202400.0   76379500.0   366557700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15542.24    1292.46   19315.17
  Min Ch El (ft)            567.56    Shear (lb/sq ft)            0.48       0.91       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.89       2.58       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    90445.77   16651.53   109014.60
  C & E Loss (ft)             0.00    Cum SA (acres)            788.53      78.06     925.70


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275197.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  194.61  791.92  633.16  775.19 1333.94  761.17 1510.27  753.31
  1791.9  746.35 1957.05  744.21 2302.41  744.21  2632.1  742.64 3517.57  722.83
 3588.39  719.03 3678.38  715.79 3689.53  715.62 3888.38  716.86 4065.77  714.21
 4206.76  711.42 4358.14  707.11 4728.17  698.12 5179.14  691.41 5514.76  689.32
 5659.18  687.85 5816.33  681.45 5883.94  675.39  6242.1  673.98 6587.14  676.76
 6726.33  678.42 6943.78  666.84 7108.24  661.05 7178.59  655.26 7227.02  655.26
 7375.62   659.3 7590.56  669.36 7652.78  669.29 7780.69  671.47 8139.76  667.13
 8187.09   669.9 8339.85  676.11 8629.48  662.75 8643.39  661.24 8814.04  649.87
 8951.08  649.35 9202.34  659.96 9375.02   659.3 9555.92  647.03 9739.91  643.22
 9882.43   632.4 9899.46  632.11 9988.08  620.5310154.37  603.1610211.02  603.16
10252.54  608.4410377.82     637 10484.2  650.5310867.46   645.611023.78  639.38
11078.95  634.4611289.29  631.76 11538.7  636.98 11835.5  633.1612463.18  627.37
13908.74  627.3714146.66  623.1614758.28  623.1615228.81  628.95 15288.2  634.74
 15578.8  630.56 15585.7  626.2515691.12   624.416342.56  599.1516897.15  591.58
16981.39  585.0717278.02  582.5217354.55  576.0717474.99  567.5617950.84  567.56
18072.19  571.7818188.54  591.5818274.96  608.9818293.47  611.2418525.76  628.87
18954.53  634.7519378.65  635.8521436.11  631.0521548.39  631.0521772.01   631.9
22112.98  628.9823074.06  632.6323324.85  638.4224957.55  644.2125330.12  646.96
25742.42  651.37 26376.2  665.0626594.43  665.7927680.27  665.7928299.28  661.58
28566.08  661.5829125.35  655.7929356.94  652.4329524.08  650.6729660.49  645.43
29805.29  646.0130091.75  652.9530405.21  655.6531475.09  673.1832122.27  676.15
33065.34  709.9433204.36  710.5833805.51  688.0733839.33  688.2335392.01  729.02
36408.51  730.14 36600.9  733.5936943.75  749.3636984.14  750.2237282.84  752.41
37605.96  763.54   37760  766.8438514.45     79039192.46  793.8539534.36     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516897.15     .1518188.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16897.1518188.54                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.87    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.81    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507372.00   238391.50   1800468.00
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            1507372.00   238391.50   1800468.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2797061.00   678596.30   3254342.00
  Top Width (ft)          36133.09    Top Width (ft)          15532.64    1291.39   19309.06
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.86       2.85       1.81
  Max Chl Dpth (ft)         192.25    Hydr. Depth (ft)           97.05     184.60      93.24
  Conv. Total (cfs)       758303400.0    Conv. (cfs)            315159200.0   76460900.0   366683300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15545.77    1293.97   19314.46
  Min Ch El (ft)            567.56    Shear (lb/sq ft)            0.48       0.91       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.88       2.58       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    90272.74   16624.18   108808.00
  C & E Loss (ft)             0.00    Cum SA (acres)            786.75      77.91     923.49


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275194.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  194.65  791.92  633.31  775.18 1334.24  761.17 1510.61   753.3
  1792.3  746.34 1957.49   744.2 2302.93   744.2 2632.69  742.63 3518.36  722.84
 3589.19  719.05  3679.2   715.8 3690.36  715.63 3889.25  716.86 4066.68   714.2
  4207.7   711.4 4359.12  707.09 4729.23   698.1  5180.3  691.39    5516   689.3
 5660.45  687.83 5817.64  681.42 5885.26  675.35  6243.5  673.95 6588.62  676.73
 6727.84   678.4 6945.34   666.8 7109.84     661  7180.2   655.2 7228.64   655.2
 7377.28  659.25 7592.26   669.3  7654.5  669.25 7782.44  671.45 8141.58  667.13
 8188.93  669.92 8341.72  676.17 8631.41  662.84 8645.33  661.33 8816.01  649.95
 8953.09  649.42 9204.41  660.06 9377.12   659.4 9558.07   647.1  9742.1  643.29
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 9884.65  632.49 9901.68   632.2 9990.33   620.610156.65   603.210213.31   603.2
10254.84  608.4910380.15  637.0510486.55   650.6 10869.9  645.6611026.25  639.45
11081.43  634.5411291.82  631.8311541.29  637.0211838.15   633.212465.97   627.4
13911.86   627.414149.84   623.214761.59   623.215232.23     62915291.63   634.8
 15582.3  630.6215589.19  626.3215694.64  624.4616346.23  599.1816900.94   591.6
16985.32  585.0817282.44  582.5317359.09  576.0817479.72  567.5617955.82  567.56
18077.35  571.7718193.86   591.618280.27  608.9818298.78  611.2418531.04  628.84
18959.76  634.7119383.83  635.8121441.07     63121553.33     63121776.93  631.85
22117.86  628.9523078.84   632.623329.59   638.424962.11   644.225334.64  646.95
 25746.9  651.37 26380.6  665.0826598.81   665.827684.53   665.828303.47   661.6
28570.24   661.629129.45   655.829361.01  652.4329528.14  650.6729664.53  645.42
29809.32     64630095.74  652.9430409.16  655.6431478.92  673.1532126.03  676.12
   33069  709.85   33208  710.4933809.09  688.05 33842.9   688.235395.41  728.93
 36411.8  730.0736604.16  733.5336946.97  749.2836987.36  750.1537286.02  752.36
37609.11  763.4937763.14   766.8 38517.5     79039195.43  793.86 39537.3     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516900.94     .1518193.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16900.9418193.86                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.87    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.81    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507391.00   238664.10   1800832.00
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            1507391.00   238664.10   1800832.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2796043.00   679194.80   3254763.00
  Top Width (ft)          36137.41    Top Width (ft)          15536.15    1292.92   19308.34
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.85       2.85       1.81
  Max Chl Dpth (ft)         192.25    Hydr. Depth (ft)           97.02     184.59      93.27
  Conv. Total (cfs)       758480400.0    Conv. (cfs)            315117900.0   76546190.0   366816300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15549.30    1295.50   19313.72
  Min Ch El (ft)            567.56    Shear (lb/sq ft)            0.48       0.91       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.88       2.58       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    90099.72   16596.80   108601.30
  C & E Loss (ft)             0.00    Cum SA (acres)            784.96      77.76     921.27


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275191.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   194.7  791.91  633.45  775.17 1334.54  761.16 1510.95  753.29
  1792.7  746.34 1957.93  744.19 2303.45  744.19 2633.28  742.61 3519.15  722.86
    3590  719.06 3680.03  715.81 3691.19  715.64 3890.12  716.85 4067.59  714.19
 4208.65  711.39 4360.09  707.08 4730.29  698.08 5181.47  691.38 5517.24  689.28
 5661.72  687.82 5818.94  681.39 5886.58  675.32  6244.9  673.92  6590.1  676.71
 6729.35  678.38  6946.9  666.76 7111.43  660.95 7181.81  655.14 7230.26  655.14
 7378.93   659.2 7593.96  669.25 7656.22   669.2 7784.18  671.42 8143.41  667.14
 8190.76  669.93 8343.59  676.23 8633.35  662.93 8647.28  661.41 8817.99  650.02
  8955.1  649.49 9206.47  660.15 9379.23  659.49 9560.21  647.18 9744.28  643.37
 9886.87  632.58  9903.9  632.29 9992.57  620.6710158.93  603.24 10215.6  603.24
10257.14  608.5410382.48   637.110488.91  650.6710872.34  645.7311028.73  639.52
11083.92  634.6211294.35  631.9111543.88  637.0711840.81  633.2412468.77  627.43
13914.98  627.4314153.01  623.2414764.91  623.2415235.65  629.0515295.06  634.86
15585.79  630.6715592.69  626.3815698.17  624.52 16349.9   599.216904.73  591.62
16989.25  585.0917286.85  582.5517363.63  576.0917484.45  567.56 17960.8  567.56
 18082.5  571.7718199.18  591.6218285.57  608.9718304.08  611.2418536.31   628.8
18964.99  634.6819389.02  635.7721446.02  630.9521558.27  630.9521781.85   631.8
22122.74  628.9123083.61  632.5723334.33  638.3824966.67  644.1925339.16  646.95
25751.37  651.37   26385  665.0926603.19  665.8127688.79  665.8128307.65  661.62
28574.39  661.6229133.54  655.8129365.08  652.4429532.19  650.6729668.57   645.4
29813.34  645.9830099.73  652.9430413.12  655.6331482.75  673.1232129.79   676.1
33072.65  709.7733211.64   710.433812.66  688.0333846.47  688.18 35398.8  728.85
36415.08     73036607.43  733.47 36950.2  749.2136990.58  750.0837289.21  752.31
37612.26  763.4537766.27  766.7638520.55     790 39198.4  793.8639540.23     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516904.73     .1518199.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16904.7318199.18                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.87    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.81    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507402.00   238933.20   1801165.00
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            1507402.00   238933.20   1801165.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2795036.00   679791.00   3255173.00
  Top Width (ft)          36141.73    Top Width (ft)          15539.85    1294.45   19307.43
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.85       2.85       1.81
  Max Chl Dpth (ft)         192.25    Hydr. Depth (ft)           97.00     184.58      93.29
  Conv. Total (cfs)       758642200.0    Conv. (cfs)            315071600.0   76629740.0   366940800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15553.00    1297.03   19312.80
  Min Ch El (ft)            567.56    Shear (lb/sq ft)            0.48       0.91       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.88       2.57       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    89926.70   16569.39   108394.60
  C & E Loss (ft)             0.00    Cum SA (acres)            783.18      77.61     919.05


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275188.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   194.74  791.91  633.59  775.16 1334.84  761.16 1511.29  753.28
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  1793.1  746.33 1958.37  744.18 2303.96  744.18 2633.87   742.6 3519.94  722.88
  3590.8  719.08 3680.85  715.82 3692.02  715.65    3891  716.85 4068.51  714.18
 4209.59  711.37 4361.07  707.06 4731.35  698.06 5182.63  691.36 5518.48  689.26
 5662.99   687.8 5820.25  681.36  5887.9  675.28  6246.3  673.88 6591.58  676.69
 6730.86  678.36 6948.46  666.72 7113.03   660.9 7183.43  655.08 7231.88  655.08
 7380.59  659.14 7595.67   669.2 7657.93  669.16 7785.93  671.39 8145.24  667.15
  8192.6  669.95 8345.46  676.28 8635.29  663.02 8649.21   661.5 8819.97  650.09
 8957.11  649.57 9208.54  660.25 9381.33  659.59 9562.36  647.26 9746.47  643.44
 9889.09  632.67 9906.12  632.38 9994.81  620.7410161.21  603.2810217.89  603.28
10259.44  608.5910384.81  637.1410491.26  650.7410874.78  645.79 11031.2  639.59
11086.41   634.711296.89  631.9811546.47  637.1111843.46  633.2812471.57  627.46
13918.11  627.4614156.19  623.2814768.22  623.2815239.07   629.1 15298.5  634.92
15589.29  630.7215596.19  626.4415701.69  624.5816353.56  599.2316908.53  591.64
16993.18   585.117291.26  582.5717368.17   576.117489.19  567.5617965.78  567.56
18087.65  571.7718204.49  591.6418290.88  608.9718309.39  611.2318541.59  628.77
18970.22  634.64 19394.2  635.7321450.98   630.921563.21   630.921786.76  631.75
22127.62  628.8723088.38  632.5423339.08  638.3624971.23  644.1825343.68  646.94
25755.85  651.3626389.41   665.126607.57  665.8227693.04  665.8228311.84  661.64
28578.55  661.6429137.64  655.8229369.15  652.4429536.24  650.67 29672.6  645.39
29817.36  645.9730103.72  652.9330417.07  655.6231486.59  673.0932133.55  676.07
33076.31  709.6833215.28  710.3233816.23  688.0133850.04  688.16 35402.2  728.76
36418.36  729.9336610.69   733.436953.42  749.14 36993.8  750.01 37292.4  752.27
37615.41   763.437769.41  766.72 38523.6     79039201.38  793.8739543.17     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516908.53     .1518204.49     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16908.5318204.49                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.87    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.81    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507422.00   239199.20   1801534.00
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            1507422.00   239199.20   1801534.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2794021.00   680364.10   3255615.00
  Top Width (ft)          36145.96    Top Width (ft)          15543.38    1295.96   19306.62
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.85       2.84       1.81
  Max Chl Dpth (ft)         192.25    Hydr. Depth (ft)           96.98     184.57      93.31
  Conv. Total (cfs)       758819700.0    Conv. (cfs)            315030900.0   76712280.0   367076500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15556.54    1298.55   19311.99
  Min Ch El (ft)            567.56    Shear (lb/sq ft)            0.48       0.90       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.88       2.57       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    89753.67   16541.95   108187.80
  C & E Loss (ft)             0.00    Cum SA (acres)            781.40      77.46     916.84


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275185.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  194.78  791.91  633.73  775.14 1335.14  761.16 1511.63  753.28
  1793.5  746.33 1958.81  744.17 2304.48  744.17 2634.46  742.59 3520.73   722.9
 3591.61  719.09 3681.68  715.83 3692.85  715.66 3891.87  716.84 4069.42  714.17
 4210.54  711.36 4362.05  707.04 4732.41  698.04 5183.79  691.35 5519.71  689.24
 5664.26  687.78 5821.55  681.34 5889.23  675.24  6247.7  673.85 6593.05  676.66
 6732.37  678.34 6950.02  666.68 7114.62  660.85 7185.04  655.02  7233.5  655.02
 7382.24  659.09 7597.37  669.15 7659.65  669.11 7787.68  671.36 8147.07  667.15
 8194.44  669.97 8347.34  676.34 8637.23  663.11 8651.16  661.59 8821.95  650.16
 8959.12  649.64  9210.6  660.34 9383.44  659.69  9564.5  647.34 9748.66  643.52
 9891.31  632.76 9908.35  632.47 9997.05  620.8110163.49  603.3210220.18  603.32
10261.74  608.6410387.14  637.1910493.61  650.8110877.22  645.8511033.67  639.66
11088.89  634.7711299.42  632.0511549.06  637.1611846.12  633.3212474.37  627.49
13921.23  627.4914159.37  623.3214771.53  623.3215242.49  629.1515301.93  634.98
15592.79  630.7815599.69  626.5115705.21  624.6416357.23  599.2516912.32  591.66
16997.11  585.1117295.68  582.5917372.71   576.117493.92  567.5617970.76  567.56
 18092.8  571.7618209.81  591.6618296.19  608.9718314.69  611.2318546.87  628.73
18975.46  634.6119399.39  635.6821455.93  630.8521568.16  630.8521791.68   631.7
 22132.5  628.8423093.15  632.5123343.82  638.3424975.79  644.17 25348.2  646.94
25760.32  651.3626393.81  665.1126611.95  665.83 27697.3  665.8328316.03  661.66
28582.71  661.6629141.74  655.8329373.22  652.4429540.29  650.6629676.64  645.38
29821.38  645.9530107.71  652.9230421.03  655.6231490.42  673.0632137.32  676.05
33079.96  709.5933218.92  710.2333819.81  687.9933853.61  688.14 35405.6  728.67
36421.65  729.8536613.95  733.3436956.64  749.0736997.02  749.9537295.58  752.22
37618.56  763.3637772.54  766.6838526.64     79039204.35  793.8839546.11     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516912.32     .1518209.81     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16912.3218209.81                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.87    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.81    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507433.00   239470.30   1801893.00
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            1507433.00   239470.30   1801893.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2792994.00   680956.90   3256049.00
  Top Width (ft)          36150.05    Top Width (ft)          15546.85    1297.49   19305.71
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.85       2.84       1.81
  Max Chl Dpth (ft)         192.25    Hydr. Depth (ft)           96.96     184.56      93.33
  Conv. Total (cfs)       758995100.0    Conv. (cfs)            314987900.0   76796860.0   367210200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15560.02    1300.08   19311.06
  Min Ch El (ft)            567.56    Shear (lb/sq ft)            0.48       0.90       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.88       2.57       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    89580.64   16514.48   107981.00
  C & E Loss (ft)             0.00    Cum SA (acres)            779.61      77.31     914.62


CROSS SECTION
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RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275182.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  194.83   791.9  633.87  775.13 1335.43  761.16 1511.97  753.27
 1793.91  746.32 1959.25  744.16    2305  744.16 2635.05  742.58 3521.52  722.91
 3592.42  719.11 3682.51  715.84 3693.68  715.67 3892.74  716.83 4070.33  714.16
 4211.48  711.34 4363.03  707.02 4733.47  698.02 5184.95  691.33 5520.95  689.23
 5665.53  687.76 5822.86  681.31 5890.55  675.21  6249.1  673.82 6594.53  676.64
 6733.88  678.32 6951.58  666.64 7116.22   660.8 7186.65  654.96 7235.13  654.96
  7383.9  659.04 7599.08  669.09 7661.37  669.06 7789.42  671.34 8148.89  667.16
 8196.28  669.98 8349.21   676.4 8639.16  663.19  8653.1  661.68 8823.93  650.23
 8961.13  649.71 9212.67  660.44 9385.54  659.78 9566.65  647.42 9750.84  643.59
 9893.53  632.85 9910.57  632.56 9999.29  620.8810165.77  603.3610222.48  603.36
10264.04  608.6910389.47  637.2410495.97  650.8810879.66  645.9111036.15  639.72
11091.38  634.8511301.96  632.1211551.65  637.2111848.78  633.3612477.17  627.52
13924.35  627.5214162.54  623.3614774.84  623.36 15245.9   629.215305.36  635.04
15596.28  630.8315603.19  626.5715708.73  624.71 16360.9  599.2816916.11  591.68
17001.04  585.1217300.09   582.617377.24  576.1117498.66  567.5617975.74  567.56
18097.95  571.7618215.13  591.68 18301.5  608.97   18320  611.2318552.15  628.69
18980.69  634.5719404.57  635.6421460.89   630.8 21573.1   630.8 21796.6  631.66
22137.38   628.823097.92  632.4823348.56  638.3224980.36  644.1625352.72  646.93
25764.79  651.3626398.21  665.1226616.32  665.8427701.56  665.8428320.22  661.68
28586.87  661.6829145.83  655.8429377.29  652.4529544.34  650.6629680.68  645.36
 29825.4  645.94 30111.7  652.9230424.98  655.6131494.26  673.0332141.08  676.03
33083.62  709.5133222.56  710.1533823.39  687.9733857.18  688.1235408.99  728.58
36424.93  729.7836617.21  733.2836959.87     74937000.23  749.8837298.77  752.17
37621.71  763.3137775.67  766.64 38529.7     79039207.32  793.8839549.04     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516916.11     .1518215.13     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16916.1118215.13                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.86    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.81    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507445.00   239741.60   1802237.00
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            1507445.00   239741.60   1802237.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2791993.00   681557.00   3256450.00
  Top Width (ft)          36154.38    Top Width (ft)          15550.37    1299.02   19304.99
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.85       2.84       1.81
  Max Chl Dpth (ft)         192.25    Hydr. Depth (ft)           96.94     184.56      93.36
  Conv. Total (cfs)       759162600.0    Conv. (cfs)            314944500.0   76881510.0   367336500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15563.55    1301.61   19310.33
  Min Ch El (ft)            567.56    Shear (lb/sq ft)            0.48       0.90       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.88       2.57       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    89407.61   16486.98   107774.20
  C & E Loss (ft)             0.00    Cum SA (acres)            777.83      77.16     912.41


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275180.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  194.87   791.9  634.02  775.12 1335.73  761.15 1512.31  753.26
 1794.31  746.31 1959.69  744.15 2305.51  744.15 2635.64  742.56 3522.31  722.93
 3593.22  719.12 3683.33  715.85  3694.5  715.68 3893.62  716.83 4071.24  714.15
 4212.42  711.33 4364.01  707.01 4734.54     698 5186.12  691.32 5522.19  689.21
  5666.8  687.74 5824.17  681.28 5891.87  675.17  6250.5  673.79 6596.01  676.62
 6735.39   678.3 6953.13   666.6 7117.81  660.75 7188.26   654.9 7236.75   654.9
 7385.55  658.98 7600.78  669.04 7663.09  669.02 7791.17  671.31 8150.72  667.17
 8198.11     670 8351.08  676.45  8641.1  663.28 8655.04  661.77 8825.91   650.3
 8963.14  649.79 9214.73  660.53 9387.65  659.88 9568.79   647.5 9753.03  643.67
 9895.75  632.94 9912.79  632.6510001.54  620.9510168.04   603.410224.77   603.4
10266.35  608.73 10391.8  637.2810498.32  650.95 10882.1  645.9711038.62  639.79
11093.87  634.9311304.49  632.1911554.24  637.2511851.44   633.412479.96  627.55
13927.47  627.5514165.72   623.414778.16   623.415249.32  629.2515308.79   635.1
15599.78  630.8815606.69  626.6315712.25  624.7716364.57   599.3 16919.9   591.7
17004.97  585.14 17304.5  582.6217381.78  576.1217503.39  567.5617980.71  567.56
 18103.1  571.7518220.45   591.7 18306.8  608.97 18325.3  611.2318557.43  628.66
18985.92  634.5419409.75   635.621465.84  630.7521578.04  630.7521801.51  631.61
22142.26  628.76 23102.7  632.4523353.31   638.324984.92  644.1525357.24  646.93
25769.27  651.3526402.62  665.13 26620.7  665.8527705.82  665.8528324.41   661.7
28591.03   661.729149.93  655.8529381.37  652.45 29548.4  650.6629684.71  645.35
29829.42  645.9230115.69  652.9130428.93   655.631498.09  673.0132144.84     676
33087.28  709.42 33226.2  710.0633826.96  687.9533860.75   688.135412.39  728.49
36428.21  729.7136620.47  733.2136963.09  748.9337003.46  749.8137301.96  752.12
37624.86  763.27 37778.8   766.638532.74     79039210.29  793.8939551.98     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 16919.9     .1518220.45     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       16919.918220.45                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.86    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.81    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507467.00   240009.40   1802596.00
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            1507467.00   240009.40   1802596.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2790978.00   682136.00   3256887.00
  Top Width (ft)          36158.69    Top Width (ft)          15554.07    1300.55   19304.07
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.85       2.84       1.81
  Max Chl Dpth (ft)         192.25    Hydr. Depth (ft)           96.92     184.54      93.38
  Conv. Total (cfs)       759336400.0    Conv. (cfs)            314902100.0   76964450.0   367469900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15567.26    1303.14   19309.40
  Min Ch El (ft)            567.56    Shear (lb/sq ft)            0.47       0.90       0.46
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  Alpha                        1.06    Stream Power (lb/ft s)      0.88       2.57       0.83
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    89234.58   16459.44   107567.30
  C & E Loss (ft)              0.00    Cum SA (acres)            776.04      77.02     910.19


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275177.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  194.91  791.89  634.16  775.11 1336.03  761.15 1512.65  753.25
 1794.71  746.31 1960.13  744.14 2306.03  744.14 2636.23  742.55  3523.1  722.95
 3594.03  719.14 3684.16  715.86 3695.33  715.69 3894.49  716.82 4072.16  714.14
 4213.37  711.31 4364.99  706.99  4735.6  697.98 5187.28   691.3 5523.43  689.19
 5668.08  687.72 5825.47  681.26 5893.19  675.13  6251.9  673.75 6597.49   676.6
  6736.9  678.28 6954.69  666.56 7119.41   660.7 7189.87  654.84 7238.37  654.84
 7387.21  658.93 7602.48  668.99  7664.8  668.97 7792.92  671.28 8152.55  667.17
 8199.95  670.02 8352.95  676.51 8643.04  663.37 8656.98  661.86 8827.89  650.38
 8965.15  649.86  9216.8  660.63 9389.75  659.98 9570.94  647.57 9755.21  643.74
 9897.96  633.03 9915.01  632.7410003.78  621.0210170.32  603.4410227.06  603.44
10268.65  608.7810394.13  637.3310500.67  651.0210884.54  646.03 11041.1  639.86
11096.36     63511307.02  632.2711556.83   637.311854.09  633.4412482.76  627.58
13930.59  627.5814168.89  623.4414781.47  623.4415252.74   629.315312.22  635.16
15603.28  630.9315610.19  626.6915715.78  624.8316368.24  599.33 16923.7  591.72
 17008.9  585.1517308.92  582.6417386.32  576.1317508.12  567.5617985.69  567.56
18108.26  571.7518225.76  591.7218312.11  608.9718330.61  611.2218562.71  628.62
18991.15   634.519414.94  635.5621470.79   630.721582.98   630.721806.43  631.56
22147.13  628.7323107.47  632.4223358.05  638.2824989.48  644.1425361.76  646.92
25773.74  651.3526407.02  665.1526625.08  665.8627710.08  665.86 28328.6  661.72
28595.19  661.7229154.03  655.8629385.44  652.4629552.45  650.6629688.75  645.34
29833.44  645.9130119.67   652.930432.89  655.5931501.93  672.98 32148.6  675.98
33090.94  709.3333229.84  709.9833830.54  687.9333864.32  688.0835415.79   728.4
 36431.5  729.6436623.73  733.1536966.32  748.8637006.68  749.7437305.14  752.08
37628.01  763.2237781.94  766.5638535.79     79039213.27   793.939554.91     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 16923.7     .1518225.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       16923.718225.76                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.86    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.80    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                       Flow Area (sq ft)       1507481.00   240275.40   1802939.00
  E.G. Slope (ft/ft)       0.000079    Area (sq ft)            1507481.00   240275.40   1802939.00
  Q Total (cfs)            6730000.00    Flow (cfs)              2789985.00   682717.40   3257298.00
  Top Width (ft)           36162.92    Top Width (ft)          15557.59    1302.06   19303.27
  Vel Total (ft/s)             1.90    Avg. Vel. (ft/s)            1.85       2.84       1.81
  Max Chl Dpth (ft)          192.24    Hydr. Depth (ft)           96.90     184.53      93.40
  Conv. Total (cfs)        759503400.0    Conv. (cfs)            314859300.0   77046980.0   367597100.0
  Length Wtd. (ft)             5.00    Wetted Per. (ft)        15570.79    1304.66   19308.59
  Min Ch El (ft)             567.56    Shear (lb/sq ft)            0.47       0.90       0.46
  Alpha                        1.06    Stream Power (lb/ft s)      0.88       2.57       0.83
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    89061.55   16431.88   107360.30
  C & E Loss (ft)              0.00    Cum SA (acres)            774.26      76.87     907.97


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275174.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  194.96  791.89   634.3  775.09 1336.33  761.15 1512.98  753.25
 1795.11   746.3 1960.56  744.13 2306.55  744.13 2636.82  742.54 3523.89  722.96
 3594.83  719.16 3684.98  715.87 3696.16   715.7 3895.36  716.82 4073.07  714.13
 4214.31   711.3 4365.96  706.97 4736.66  697.96 5188.44  691.29 5524.67  689.17
 5669.35   687.7 5826.78  681.23 5894.51   675.1  6253.3  673.72 6598.97  676.57
 6738.41  678.26 6956.25  666.52 7121.01  660.65 7191.48  654.78 7239.99  654.78
 7388.87  658.88 7604.19  668.93 7666.52  668.93 7794.66  671.25 8154.38  667.18
 8201.79  670.04 8354.83  676.57 8644.97  663.46 8658.92  661.94 8829.86  650.45
 8967.16  649.93 9218.87  660.72 9391.86  660.07 9573.08  647.65  9757.4  643.82
 9900.18  633.12 9917.24  632.8310006.02  621.09 10172.6  603.4810229.35  603.48
10270.95  608.8310396.46  637.3810503.03  651.0910886.98   646.111043.57  639.93
11098.84  635.0811309.56  632.3411559.42  637.3511856.75  633.4812485.56  627.61
13933.72  627.6114172.07  623.4814784.78  623.4815256.16  629.3515315.65  635.22
15606.78  630.9915613.68  626.76 15719.3  624.8916371.91  599.3616927.49  591.74
17012.83  585.1617313.33  582.6617390.86  576.1417512.86  567.5517990.67  567.55
18113.41  571.7418231.08  591.7418317.42  608.9618335.91  611.2218567.99  628.58
18996.38  634.4719420.12  635.5221475.75  630.6521587.92  630.6521811.35  631.51
22152.01  628.6923112.24  632.3923362.79  638.2624994.04  644.1325366.28  646.92
25778.21  651.3526411.42  665.1626629.46  665.8727714.33  665.8728332.79  661.74
28599.35  661.7429158.12  655.8729389.51  652.46 29556.5  650.6629692.79  645.33
29837.46   645.930123.66   652.930436.84  655.5931505.76  672.9532152.37  675.95
33094.59  709.2533233.48  709.8933834.11  687.9133867.89  688.0635419.19  728.32
36434.79  729.57   36627  733.0936969.54  748.7937009.89  749.6737308.33  752.03
37631.16  763.1737785.07  766.5238538.84     79039216.24   793.939557.84     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516927.49     .1518231.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16927.4918231.08                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.86    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.80    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                       Flow Area (sq ft)       1507487.00   240551.50   1803271.00
```

```
  E.G. Slope (ft/ft)      0.000078    Area (sq ft)            1507487.00   240551.50   1803271.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2788984.00   683342.10   3257674.00
  Top Width (ft)          36167.20    Top Width (ft)          15561.07    1303.59   19302.54
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.85       2.84       1.81
  Max Chl Dpth (ft)         192.25    Hydr. Depth (ft)           96.88     184.53      93.42
  Conv. Total (cfs)       759667800.0    Conv. (cfs)             314814400.0   77134170.0   367719200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15574.28    1306.19   19307.86
  Min Ch El (ft)            567.55    Shear (lb/sq ft)            0.47       0.90       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.88       2.56       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    88888.51   16404.28   107153.40
  C & E Loss (ft)             0.00    Cum SA (acres)            772.47      76.72     905.76


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275171.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800     195  791.88  634.44  775.08 1336.63  761.14 1513.32  753.24
 1795.52  746.29    1961  744.12 2307.06  744.12 2637.42  742.52 3524.68  722.98
 3595.64  719.17 3685.81  715.88 3696.99  715.71 3896.23  716.81 4073.98  714.12
 4215.26  711.28 4366.94  706.96 4737.72  697.94  5189.6  691.27  5525.9  689.15
 5670.62  687.69 5828.08   681.2 5895.83  675.06 6254.71  673.69 6600.45  676.55
 6739.92  678.24 6957.81  666.48  7122.6   660.6  7193.1  654.72 7241.62  654.72
 7390.52  658.82 7605.89  668.88 7668.24  668.88 7796.41  671.23  8156.2  667.19
 8203.63  670.05  8356.7  676.62 8646.91  663.55 8660.86  662.03 8831.84  650.52
 8969.17     650 9220.93  660.82 9393.96  660.17 9575.23  647.73 9759.59  643.89
  9902.4  633.21 9919.46  632.9210008.26  621.1610174.88  603.5210231.64  603.52
10273.25  608.8810398.79  637.4210505.38  651.1610889.42  646.1611046.05     640
11101.33  635.1611312.09  632.4111562.01  637.3911859.41  633.5212488.36  627.64
13936.84  627.6414175.24  623.5214788.09  623.5215259.58   629.415319.09  635.28
15610.27  631.0415617.18  626.8215722.82  624.9516375.58  599.3816931.28  591.76
17016.76  585.1717317.74  582.6817395.39  576.1517517.59  567.5517995.65  567.55
18118.56  571.74 18236.4  591.7618322.73  608.9618341.22  611.2218573.27  628.55
19001.61  634.4319425.31  635.4821480.71   630.621592.87   630.621816.27  631.46
22156.89  628.6623117.01  632.3623367.54  638.24 24998.6  644.12 25370.8  646.91
25782.69  651.3426415.83  665.1726633.84  665.8827718.59  665.8828336.98  661.76
28603.51  661.7629162.22  655.8829393.58  652.4629560.55  650.6629696.82  645.31
29841.48  645.8830127.65  652.8930440.79  655.5831509.59  672.9232156.13  675.93
33098.25  709.1633237.12  709.8133837.68  687.8833871.46  688.0435422.58  728.23
36438.07   729.536630.26  733.0336972.77  748.7237013.11   749.637311.52  751.98
37634.31  763.13 37788.2  766.4838541.89     79039219.21  793.9139560.78     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516931.28     .15 18236.4     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16931.28 18236.4                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.86    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.80    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507513.00   240820.80   1803630.00
  E.G. Slope (ft/ft)      0.000078    Area (sq ft)            1507513.00   240820.80   1803630.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2787974.00   683923.70   3258102.00
  Top Width (ft)          36171.51    Top Width (ft)          15564.77    1305.12   19301.62
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.85       2.84       1.81
  Max Chl Dpth (ft)         192.25    Hydr. Depth (ft)           96.85     184.52      93.44
  Conv. Total (cfs)       759844100.0    Conv. (cfs)             314773500.0   77217740.0   367852900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15577.99    1307.72   19306.92
  Min Ch El (ft)            567.55    Shear (lb/sq ft)            0.47       0.90       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.88       2.56       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    88715.47   16376.66   106946.40
  C & E Loss (ft)             0.00    Cum SA (acres)            770.69      76.57     903.54


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275168.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  195.05  791.88  634.58  775.07 1336.93  761.14 1513.66  753.23
 1795.92  746.29 1961.44  744.11 2307.58  744.11 2638.01  742.51 3525.47     723
 3596.44  719.19 3686.63  715.89 3697.82  715.72 3897.11  716.81 4074.89  714.11
  4216.2  711.27 4367.92  706.94 4738.78  697.92 5190.77  691.26 5527.14  689.13
 5671.89  687.67 5829.39  681.17 5897.15  675.03 6256.11  673.65 6601.93  676.53
 6741.43  678.22 6959.37  666.44  7124.2  660.55 7194.71  654.66 7243.24  654.66
 7392.18  658.77 7607.59  668.83 7669.96  668.84 7798.16   671.2 8158.03  667.19
 8205.47  670.07 8358.57  676.68 8648.85  663.64  8662.8  662.12 8833.82  650.59
 8971.18  650.08    9223  660.91 9396.07  660.27 9577.38  647.81 9761.77  643.97
 9904.62   633.3 9921.68  633.01 10010.5  621.2310177.16  603.5610233.94  603.56
10275.55  608.9310401.12  637.4710507.73  651.2310891.85  646.2211048.52  640.06
11103.82  635.2311314.63  632.48 11564.6  637.4411862.06  633.5612491.15  627.67
13939.96  627.6714178.42  623.5614791.41  623.56   15263  629.4515322.52  635.34
15613.77  631.0915620.68  626.8815726.34  625.0116379.24  599.4116935.08  591.78
17020.69  585.1817322.15  582.6917399.93  576.1617522.33  567.5518000.63  567.55
18123.71  571.7418241.71  591.7818328.03  608.9618346.53  611.2118578.55  628.51
19006.84   634.419430.49  635.4321485.66  630.5521597.81  630.5521821.18  631.41
22161.77  628.6223121.78  632.3323372.28  638.2225003.17  644.1125375.32  646.91
25787.16  651.3426420.23  665.1826638.22  665.8927722.85  665.8928341.16  661.78
28607.67  661.7829166.32  655.8929397.65  652.4729564.61  650.6629700.86   645.3
 29845.5  645.8730131.64  652.8830444.75  655.5731513.43  672.8932159.89  675.91
33101.91  709.0733240.77  709.7233841.26  687.8633875.04  688.0235425.98  728.14
36441.35  729.4236633.52  732.9636975.99  748.6537016.33  749.53 37314.7  751.93
37637.46  763.0837791.34  766.4438544.94     79039222.19  793.9239563.71     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516935.08     .1518241.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      16935.0818241.71                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.86    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.80    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507520.00   241088.10   1804003.00
  E.G. Slope (ft/ft)      0.000078    Area (sq ft)            1507520.00   241088.10   1804003.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2786935.00   684505.40   3258560.00
  Top Width (ft)          36175.83    Top Width (ft)          15568.29    1306.63   19300.91
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.85       2.84       1.81
  Max Chl Dpth (ft)         192.25    Hydr. Depth (ft)           96.83     184.51      93.47
  Conv. Total (cfs)       760018300.0    Conv. (cfs)            314728300.0   77301140.0   367988900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15581.52    1309.23   19306.20
  Min Ch El (ft)            567.55    Shear (lb/sq ft)            0.47       0.90       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.88       2.56       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    88542.43   16349.00   106739.30
  C & E Loss (ft)             0.00    Cum SA (acres)            768.90      76.42     901.33


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275165.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  195.09  791.87  634.73  775.06 1337.23  761.14    1514  753.22
 1796.32  746.28 1961.88   744.1  2308.1   744.1  2638.6   742.5 3526.26  723.01
 3597.25   719.2 3687.46   715.9 3698.64  715.73 3897.98   716.8 4075.81   714.1
 4217.15  711.25  4368.9  706.92 4739.84   697.9 5191.93  691.24 5528.38  689.12
 5673.16  687.65 5830.69  681.15 5898.47  674.99 6257.51  673.62 6603.41   676.5
 6742.94   678.2 6960.93   666.4 7125.79   660.5 7196.32   654.6 7244.86   654.6
 7393.83  658.72  7609.3  668.78 7671.68  668.79  7799.9  671.17 8159.86   667.2
  8207.3  670.09 8360.44  676.74 8650.79  663.73 8664.74  662.21  8835.8  650.66
 8973.19  650.15 9225.06  661.01 9398.17  660.36 9579.52  647.89 9763.96  644.04
 9906.84  633.39  9923.9   633.110012.75   621.310179.44   603.610236.23   603.6
10277.85  608.9810403.45  637.5210510.09   651.310894.29  646.28   11051  640.13
 11106.3  635.3111317.16  632.5511567.19  637.4911864.72   633.612493.95   627.7
13943.08   627.714181.59   623.614794.72   623.615266.42   629.515325.95   635.4
15617.27  631.1415624.18  626.9415729.87  625.0716382.91  599.4316938.87   591.8
17024.62  585.1917326.57  582.7117404.47  576.1717527.06  567.5518005.61  567.55
18128.86  571.7318247.03   591.818333.34  608.9618351.83  611.2118583.83  628.47
19012.08  634.3619435.68  635.3921490.61   630.521602.75   630.5 21826.1  631.36
22166.65  628.5823126.55   632.323377.03   638.225007.73   644.125379.84   646.9
25791.64  651.3426424.63  665.19 26642.6   665.927727.11   665.928345.35   661.8
28611.83   661.829170.41   655.929401.72  652.4729568.66  650.65 29704.9  645.29
29849.52  645.8530135.63  652.87 30448.7  655.5631517.26  672.8632163.65  675.88
33105.56  708.9933244.41  709.6433844.83  687.8433878.61     68835429.38  728.05
36444.64  729.3536636.79   732.936979.21  748.5837019.55  749.4637317.89  751.88
37640.61  763.0437794.47   766.438547.99     79039225.16  793.9239566.65     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516938.87     .1518247.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16938.8718247.03                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.86    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.80    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507543.00   241358.10   1804366.00
  E.G. Slope (ft/ft)      0.000078    Area (sq ft)            1507543.00   241358.10   1804366.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2785925.00   685086.60   3258988.00
  Top Width (ft)          36179.95    Top Width (ft)          15571.80    1308.16   19299.98
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.85       2.84       1.81
  Max Chl Dpth (ft)         192.25    Hydr. Depth (ft)           96.81     184.50      93.49
  Conv. Total (cfs)       760198100.0    Conv. (cfs)            314688700.0   77385070.0   368124300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15585.05    1310.77   19305.26
  Min Ch El (ft)            567.55    Shear (lb/sq ft)            0.47       0.90       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.87       2.56       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    88369.39   16321.31   106532.20
  C & E Loss (ft)             0.00    Cum SA (acres)            767.11      76.27     899.11


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275162.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  195.13  791.87  634.87  775.04 1337.53  761.14 1514.34  753.21
 1796.72  746.27 1962.32  744.09 2308.61  744.09 2639.19  742.49 3527.05  723.03
 3598.05  719.22 3688.29  715.91 3699.47  715.74 3898.85   716.8 4076.72  714.09
 4218.09  711.24 4369.88  706.91  4740.9  697.88 5193.09  691.23 5529.62   689.1
 5674.43  687.63    5832  681.12 5899.79  674.95 6258.91  673.59 6604.88  676.48
 6744.45  678.18 6962.49  666.36 7127.39  660.45 7197.93  654.54 7246.48  654.54
 7395.49  658.67    7611  668.72 7673.39  668.74 7801.65  671.15 8161.68  667.21
 8209.14   670.1 8362.31  676.79 8652.72  663.81 8666.68   662.3 8837.78  650.73
  8975.2  650.22 9227.13  661.11 9400.27  660.46 9581.67  647.97 9766.15  644.11
 9909.05  633.48 9926.12  633.1910014.99  621.3710181.72  603.6410238.52  603.64
10280.15  609.0310405.78  637.5610512.44  651.3710896.73  646.3411053.47   640.2
11108.79  635.39 11319.7  632.6311569.78  637.5311867.38  633.6412496.75  627.73
13946.21  627.7314184.77  623.6414798.03  623.6415269.83  629.5515329.38  635.46
15620.76   631.215627.68  627.0115733.39  625.1316386.58  599.4616942.66  591.82
17028.55  585.2117330.98  582.7317409.01  576.1817531.79  567.5518010.59  567.55
18134.01  571.7318252.35  591.8218338.65  608.9618357.14  611.2118589.11  628.44
19017.31  634.3319440.86  635.3521495.57  630.4521607.69  630.4521831.02  631.32
22171.53  628.5523131.33  632.2723381.77  638.1825012.29  644.0925384.36   646.9
25796.11  651.3326429.04   665.226646.98  665.9127731.37  665.9128349.54  661.82
28615.98  661.8229174.51  655.9129405.79  652.4829572.71  650.6529708.94  645.27
29853.54  645.8430139.62  652.8730452.65  655.56 31521.1  672.8332167.41  675.86
33109.22   708.933248.05  709.5533848.41  687.8233882.18  687.9835432.77  727.96
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36447.92  729.2836640.05  732.8436982.44  748.5137022.77   749.437321.07  751.84
37643.76  762.99 37797.6  766.3638551.04     79039228.13  793.9339569.59     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516942.66     .1518252.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16942.6618252.35                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.86    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.80    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507546.00   241625.00   1804695.00
  E.G. Slope (ft/ft)      0.000078    Area (sq ft)            1507546.00   241625.00   1804695.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2784936.00   685672.80   3259391.00
  Top Width (ft)          36184.18    Top Width (ft)          15575.32    1309.69   19299.17
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.85       2.84       1.81
  Max Chl Dpth (ft)         192.25    Hydr. Depth (ft)           96.79     184.49      93.51
  Conv. Total (cfs)       760356700.0    Conv. (cfs)            314642700.0   77467450.0   368246700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15588.56    1312.30   19304.44
  Min Ch El (ft)            567.55    Shear (lb/sq ft)            0.47       0.90       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.87       2.56       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    88196.35   16293.59   106325.10
  C & E Loss (ft)             0.00    Cum SA (acres)            765.32      76.12     896.90


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275159.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  195.18  791.86  635.01  775.03 1337.83  761.13 1514.68  753.21
 1797.12  746.27 1962.76  744.08 2309.13  744.08 2639.78  742.47 3527.84  723.05
 3598.86  719.23 3689.11  715.92  3700.3  715.75 3899.73  716.79 4077.63  714.08
 4219.03  711.23 4370.85  706.89 4741.97  697.86 5194.25  691.21 5530.85  689.08
  5675.7  687.61  5833.3  681.09 5901.11  674.92 6260.31  673.55 6606.36  676.46
 6745.96  678.16 6964.05  666.32 7128.98   660.4 7199.54  654.48 7248.11  654.48
 7397.14  658.61 7612.71  668.67 7675.11   668.7  7803.4  671.12 8163.51  667.21
 8210.98  670.12 8364.19  676.85 8654.66   663.9 8668.62  662.39 8839.76  650.81
 8977.21   650.3 9229.19   661.2 9402.38  660.56 9583.81  648.04 9768.33  644.19
 9911.27  633.57 9928.35  633.2810017.23  621.44   10184  603.6810240.81  603.68
10282.46  609.0810408.11  637.6110514.79  651.4410899.17   646.411055.95  640.27
11111.28  635.4611322.23   632.711572.37  637.5811870.03  633.6812499.55  627.76
13949.33  627.7614187.95  623.6814801.35  623.6815273.25   629.615332.81  635.52
15624.26  631.2515631.18  627.0715736.91  625.1916390.25  599.4916946.46  591.84
17032.48  585.2217335.39  582.7517413.54  576.1917536.53  567.5518015.57  567.55
18139.16  571.7218257.66  591.8418343.96  608.9618362.44   611.218594.39   628.4
19022.54  634.2919446.04  635.3121500.52   630.421612.63   630.421835.93  631.27
22176.41  628.51 23136.1  632.2423386.52  638.1625016.85  644.0825388.88  646.89
25800.59  651.3326433.44  665.2226651.36  665.9227735.62  665.9228353.73  661.84
28620.14  661.8429178.61  655.9229409.86  652.4829576.76  650.6529712.97  645.26
29857.56  645.8330143.61  652.8630456.61  655.5531524.93   672.832171.18  675.83
33112.88  708.8133251.69  709.4733851.98   687.833885.75  687.9635436.17  727.88
 36451.2  729.2136643.31  732.7736985.66  748.4437025.99  749.3337324.26  751.79
37646.91  762.9537800.73  766.3238554.09     79039231.11  793.9439572.52     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516946.46     .1518257.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16946.4618257.66                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.86    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.80    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507565.00   241891.60   1805047.00
  E.G. Slope (ft/ft)      0.000078    Area (sq ft)            1507565.00   241891.60   1805047.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2783927.00   686252.30   3259821.00
  Top Width (ft)          36188.44    Top Width (ft)          15578.99    1311.20   19298.25
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.85       2.84       1.81
  Max Chl Dpth (ft)         192.25    Hydr. Depth (ft)           96.77     184.48      93.53
  Conv. Total (cfs)       760528100.0    Conv. (cfs)            314599500.0   77550380.0   368378200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15592.25    1313.81   19303.51
  Min Ch El (ft)            567.55    Shear (lb/sq ft)            0.47       0.90       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.87       2.55       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    88023.30   16265.84   106117.90
  C & E Loss (ft)             0.00    Cum SA (acres)            763.54      75.97     894.68


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275156.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  195.22  791.86  635.15  775.02 1338.13  761.13 1515.02   753.2
 1797.53  746.26  1963.2  744.07 2309.65  744.07 2640.37  742.46 3528.63  723.07
 3599.67  719.25 3689.94  715.93 3701.13  715.76  3900.6  716.79 4078.54  714.07
 4219.98  711.21 4371.83  706.87 4743.03  697.85 5195.42   691.2 5532.09  689.06
 5676.97  687.59 5834.61  681.07 5902.43  674.88 6261.71  673.52 6607.84  676.44
 6747.47  678.14  6965.6  666.28 7130.58  660.35 7201.15  654.42 7249.73  654.42
  7398.8  658.56 7614.41  668.62 7676.83  668.65 7805.14  671.09 8165.34  667.22
 8212.82  670.14 8366.06  676.91  8656.6  663.99 8670.56  662.48 8841.74  650.88
 8979.21  650.37 9231.26   661.3 9404.48  660.65 9585.96  648.12 9770.52  644.26
 9913.49  633.66 9930.57  633.3710019.47  621.5110186.28  603.7210243.11  603.72
10284.76  609.1310410.43  637.6610517.15  651.5110901.61  646.4611058.42  640.34
11113.76  635.5411324.76  632.7711574.96  637.6311872.69  633.7212502.34  627.79
13952.45  627.7914191.12  623.7214804.66  623.7215276.67  629.6515336.25  635.58
15627.76   631.315634.68  627.1315740.43  625.2516393.92  599.5116950.25  591.86
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17036.41  585.2317339.81  582.7617418.08   576.217541.26  567.5518020.55  567.55
18144.32  571.7218262.98  591.8618349.26  608.9518367.75   611.218599.67  628.36
19027.77  634.2619451.23  635.2721505.48  630.3521617.58  630.3521840.85  631.22
22181.29  628.4723140.87  632.2123391.26  638.1425021.41  644.07 25393.4  646.88
25805.06  651.3326437.84  665.2326655.73  665.9327739.88  665.9328357.92  661.86
 28624.3  661.86 29182.7  655.9329413.93  652.4929580.81  650.6529717.01  645.25
29861.58  645.81 30147.6  652.8530460.56  655.5431528.77  672.7732174.94  675.81
33116.54  708.7333255.33  709.3833855.55  687.7833889.32  687.9435439.57  727.79
36454.49  729.1436646.57  732.7136988.89  748.3737029.21  749.2637327.45  751.74
37650.06   762.937803.87  766.2838557.13     79039234.08  793.9439575.45     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516950.25     .1518262.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16950.2518262.98                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.86    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.80    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507571.00   242162.70   1805398.00
  E.G. Slope (ft/ft)      0.000078    Area (sq ft)            1507571.00   242162.70   1805398.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2782913.00   686848.60   3260239.00
  Top Width (ft)          36192.76    Top Width (ft)          15582.50    1312.73   19297.53
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.85       2.84       1.81
  Max Chl Dpth (ft)         192.25    Hydr. Depth (ft)           96.75     184.47      93.56
  Conv. Total (cfs)       760696200.0    Conv. (cfs)             314554400.0   77634930.0   368506800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15595.77    1315.34   19302.77
  Min Ch El (ft)            567.55    Shear (lb/sq ft)            0.47       0.90       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.87       2.55       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    87850.26   16238.06   105910.70
  C & E Loss (ft)             0.00    Cum SA (acres)            761.75      75.82     892.47


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275153.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  195.26  791.86   635.3  775.01 1338.43  761.13 1515.36  753.19
 1797.93  746.26 1963.64  744.06 2310.16  744.06 2640.96  742.45 3529.42  723.08
 3600.47  719.26 3690.76  715.94 3701.96  715.77 3901.47  716.78 4079.46  714.06
 4220.92   711.2 4372.81  706.86 4744.09  697.83 5196.58  691.18 5533.33  689.04
 5678.24  687.57 5835.92  681.04 5903.75  674.84 6263.11  673.49 6609.32  676.41
 6748.98  678.12 6967.16  666.24 7132.18   660.3 7202.76  654.36 7251.35  654.36
 7400.46  658.51 7616.11  668.56 7678.55  668.61 7806.89  671.06 8167.17  667.23
 8214.66  670.16 8367.93  676.96 8658.53  664.08  8672.5  662.56 8843.71  650.95
 8981.22  650.44 9233.33  661.39 9406.59  660.75  9588.1   648.2 9772.71  644.34
 9915.71  633.75 9932.79  633.4610021.71  621.5810188.56  603.76 10245.4  603.76
10287.06  609.1810412.76   637.7 10519.5  651.5810904.05  646.5311060.89   640.4
11116.25  635.62 11327.3  632.8411577.55  637.6711875.35  633.7612505.14  627.82
13955.57  627.82 14194.3  623.7614807.97  623.7615280.09   629.715339.68  635.64
15631.25  631.3615638.17  627.1915743.96  625.3116397.59  599.5416954.04  591.88
17040.34  585.2417344.22  582.7817422.62  576.21   17546  567.5518025.53  567.55
18149.47  571.72 18268.3  591.8818354.57  608.9518373.05   611.218604.95  628.33
   19033  634.2219456.41  635.2221510.43   630.321622.52   630.321845.77  631.17
22186.17  628.4423145.64  632.18   23396  638.1225025.97  644.0625397.92  646.88
25809.53  651.3226442.25  665.2426660.11  665.9427744.14  665.9428362.11  661.88
28628.46  661.88 29186.8  655.94   29418  652.4929584.87  650.6529721.04  645.24
29865.61   645.830151.58  652.8530464.52  655.53 31532.6  672.74 32178.7  675.79
33120.19  708.6433258.97  709.2933859.13  687.7633892.89  687.9235442.96   727.7
36457.77  729.0736649.84  732.6536992.11   748.337032.43  749.1937330.63  751.69
37653.21  762.85   37807  766.2438560.18     79039237.05  793.9539578.39     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516954.04     .15 18268.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16954.04 18268.3                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.86    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.80    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507588.00   242431.70   1805758.00
  E.G. Slope (ft/ft)      0.000078    Area (sq ft)            1507588.00   242431.70   1805758.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2781908.00   687429.60   3260663.00
  Top Width (ft)          36197.07    Top Width (ft)          15586.01    1314.26   19296.80
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.85       2.84       1.81
  Max Chl Dpth (ft)         192.25    Hydr. Depth (ft)           96.73     184.46      93.58
  Conv. Total (cfs)       760870000.0    Conv. (cfs)             314512700.0   77718360.0   368639000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15599.29    1316.87   19302.03
  Min Ch El (ft)            567.55    Shear (lb/sq ft)            0.47       0.90       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.87       2.55       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    87677.21   16210.25   105703.50
  C & E Loss (ft)             0.00    Cum SA (acres)            759.96      75.66     890.25


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275150.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  195.31  791.85  635.44  774.99 1338.73  761.13  1515.7  753.18
 1798.33  746.25 1964.08  744.05 2310.68  744.05 2641.55  742.44 3530.21   723.1
 3601.28  719.28 3691.59  715.95 3702.79  715.78 3902.34  716.77 4080.37  714.05
 4221.87  711.18 4373.79  706.84 4745.15  697.81 5197.74  691.17 5534.57  689.02
 5679.51  687.55 5837.22  681.01 5905.08  674.81 6264.51  673.45  6610.8  676.39
 6750.49   678.1 6968.72   666.2 7133.77  660.25 7204.38   654.3 7252.97   654.3
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 7402.11  658.45 7617.82  668.51 7680.27  668.56 7808.64  671.04 8168.99  667.24
 8216.49  670.17  8369.8  677.02 8660.47  664.17 8674.44  662.65 8845.69  651.02
 8983.23  650.51 9235.39  661.49 9408.69  660.85 9590.25  648.28 9774.89  644.41
 9917.93  633.84 9935.01  633.5510023.96  621.6510190.84   603.810247.69   603.8
10289.36  609.2310415.09  637.7510521.85  651.6510906.49  646.5911063.37  640.47
11118.74  635.6911329.83  632.9211580.14  637.72   11878   633.812507.94  627.85
13958.69  627.8514197.47   623.814811.29   623.815283.51  629.7515343.11   635.7
15634.75  631.4115641.67  627.2615747.48  625.3716401.25  599.5616957.84   591.9
17044.27  585.2517348.63   582.817427.16  576.2217550.73  567.5518030.51  567.55
18154.62  571.7118273.62   591.918359.88  608.9518378.36   611.218610.23  628.29
19038.23  634.19 19461.6  635.1821515.39  630.2521627.46  630.2521850.69  631.12
22191.04   628.423150.41  632.1523400.75   638.125030.54  644.0525402.44  646.87
25814.01  651.3226446.65  665.2526664.49  665.95 27748.4  665.95 28366.3   661.9
28632.62   661.9 29190.9  655.9529422.07  652.4929588.92  650.6529725.08  645.22
29869.63  645.7830155.57  652.8430468.47  655.5331536.43  672.7232182.46  675.76
33123.85  708.5533262.62  709.21 33862.7  687.7433896.46   687.935446.36  727.61
36461.05  728.99 36653.1  732.5836995.33  748.2337035.65  749.1237333.82  751.65
37656.36  762.8137810.13   766.238563.23     79039240.03  793.9639581.32     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516957.84     .1518273.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16957.8418273.62                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.86    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.80    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507602.00   242699.60   1806112.00
  E.G. Slope (ft/ft)      0.000078    Area (sq ft)            1507602.00   242699.60   1806112.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2780896.00   688008.90   3261095.00
  Top Width (ft)          36201.10    Top Width (ft)          15589.54    1315.78   19295.79
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.84       2.83       1.81
  Max Chl Dpth (ft)         192.25    Hydr. Depth (ft)           96.71     184.45      93.60
  Conv. Total (cfs)       761044100.0    Conv. (cfs)            314470200.0   77801660.0   368772200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15602.82    1318.39   19301.01
  Min Ch El (ft)            567.55    Shear (lb/sq ft)            0.47       0.90       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.87       2.55       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    87504.16   16182.40   105496.20
  C & E Loss (ft)             0.00    Cum SA (acres)            758.17      75.51     888.04


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275147.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  195.35  791.85  635.58  774.98 1339.03  761.12 1516.04  753.17
 1798.73  746.24 1964.52  744.04  2311.2  744.04 2642.14  742.42    3531  723.12
 3602.08   719.3 3692.41  715.96 3703.61  715.79 3903.22  716.77 4081.28  714.04
 4222.81  711.17 4374.77  706.82 4746.21  697.79  5198.9  691.15 5535.81     689
 5680.78  687.54 5838.53  680.98  5906.4  674.77 6265.92  673.42 6612.28  676.37
    6752  678.08 6970.28  666.16 7135.37   660.2 7205.99  654.24 7254.59  654.24
 7403.77   658.4 7619.52  668.46 7681.98  668.51 7810.38  671.01 8170.82  667.24
 8218.33  670.19 8371.67  677.08 8662.41  664.26 8676.38  662.74 8847.67  651.09
 8985.24  650.59 9237.46  661.58  9410.8  660.94 9592.39  648.36 9777.08  644.49
 9920.15  633.94 9937.24  633.64 10026.2  621.7210193.12  603.8410249.98  603.84
10291.66  609.2810417.42   637.810524.21  651.7210908.93  646.6511065.84  640.54
11121.23  635.7711332.37  632.9911582.74  637.7711880.66  633.8412510.74  627.88
13961.82  627.8814200.65  623.84 14814.6  623.8415286.93   629.815346.54  635.76
15638.25  631.4615645.17  627.32   15751  625.4416404.92  599.5916961.63  591.92
 17048.2  585.2617353.05  582.82 17431.7  576.2317555.46  567.5418035.48  567.54
18159.77  571.7118278.93  591.9218365.19  608.9518383.66  611.1918615.51  628.25
19043.46  634.1519466.78  635.1421520.34   630.2 21632.4   630.2 21855.6  631.07
22195.92  628.3723155.19  632.1223405.49  638.08 25035.1  644.0425406.96  646.87
25818.48  651.3226451.05  665.2626668.87  665.9627752.65  665.9628370.49  661.92
28636.78  661.9229194.99  655.9629426.14   652.529592.97  650.6429729.12  645.21
29873.65  645.7730159.56  652.8330472.42  655.5231540.27  672.6932186.22  675.74
 33127.5  708.4733266.26  709.1233866.28  687.7233900.03  687.8835449.76  727.52
36464.34  728.9236656.36  732.5236998.56  748.1637038.87  749.05   37337   751.6
37659.52  762.7637813.27  766.1638566.28     790   39243  793.9639584.26     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516961.63     .1518278.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16961.6318278.93                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.86    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.80    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507611.00   242972.50   1806458.00
  E.G. Slope (ft/ft)      0.000078    Area (sq ft)            1507611.00   242972.50   1806458.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2779877.00   688618.40   3261505.00
  Top Width (ft)          36205.61    Top Width (ft)          15593.23    1317.30   19295.08
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.84       2.83       1.81
  Max Chl Dpth (ft)         192.26    Hydr. Depth (ft)           96.68     184.45      93.62
  Conv. Total (cfs)       761210200.0    Conv. (cfs)            314423600.0   77887570.0   368899000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15606.53    1319.92   19300.29
  Min Ch El (ft)            567.54    Shear (lb/sq ft)            0.47       0.90       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.87       2.55       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    87331.12   16154.53   105288.80
  C & E Loss (ft)             0.00    Cum SA (acres)            756.38      75.36     885.82


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275145.*

INPUT
Description:
```

```
Station Elevation Data     num=      120
      Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev
        0      800  195.39   791.84  635.72   774.97 1339.33   761.12 1516.38   753.17
  1799.14   746.24 1964.96   744.03 2311.72   744.03 2642.73   742.41 3531.79   723.13
  3602.89   719.31 3693.24   715.97 3704.44    715.8 3904.09   716.76  4082.2   714.03
  4223.76   711.15 4375.75   706.81 4747.27   697.77 5200.07   691.14 5537.04   688.99
  5682.05   687.52 5839.83   680.96 5907.72   674.73 6267.32   673.39 6613.76   676.34
  6753.51   678.06 6971.84   666.12 7136.96   660.15  7207.6   654.18 7256.22   654.18
  7405.42   658.35 7621.23   668.41  7683.7   668.47 7812.13   670.98 8172.65   667.25
  8220.17   670.21 8373.55   677.13 8664.35   664.34 8678.32   662.83 8849.65   651.16
  8987.25   650.66 9239.52   661.68  9412.9   661.04 9594.54   648.44 9779.27   644.56
  9922.37   634.03 9939.46   633.7310028.44   621.79 10195.4   603.8810252.27   603.88
 10293.96   609.3210419.75   637.8410526.56   651.7910911.37   646.7111068.32   640.61
 11123.71   635.85 11334.9   633.0611585.33   637.8111883.32   633.8812513.54   627.91
 13964.94   627.9114203.82   623.8814817.91   623.8815290.34   629.8515349.97   635.82
 15641.75   631.5115648.67   627.3815754.52    625.516408.59   599.6116965.42   591.94
 17052.13   585.2817357.46   582.8417436.23   576.24 17560.2   567.5418040.46   567.54
 18164.92    571.718284.25   591.9418370.49   608.9518388.97   611.1918620.79   628.22
  19048.7   634.1219471.96    635.121525.29   630.1521637.35   630.1521860.52   631.03
  22200.8   628.3323159.96   632.0923410.23   638.0625039.66   644.0325411.48   646.86
 25822.96   651.3126455.46   665.2726673.25   665.9727756.91   665.9728374.67   661.94
 28640.94   661.9429199.09   655.9729430.21    652.529597.02   650.6429733.16    645.2
 29877.67   645.7530163.55   652.8230476.38   655.51 31544.1   672.6632189.99   675.72
 33131.16   708.38 33269.9   709.0433869.85    687.7 33903.6   687.8635453.16   727.44
 36467.62   728.8536659.62   732.4637001.78   748.0937042.09   748.9837340.19   751.55
 37662.66   762.72 37816.4   766.1238569.33      79039245.97   793.97 39587.2      800

Manning's n Values         num=        3
      Sta    n Val     Sta    n Val     Sta    n Val
        0     .1516965.42     .1518284.25     .15

Bank Sta: Left   Right     Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16965.4218284.25                 5        5        5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.86    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.80    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507627.00   243240.80   1806798.00
  E.G. Slope (ft/ft)      0.000078    Area (sq ft)            1507627.00   243240.80   1806798.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2778893.00   689198.60   3261909.00
  Top Width (ft)          36209.67    Top Width (ft)          15596.71    1318.83   19294.13
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.84       2.83       1.81
  Max Chl Dpth (ft)         192.26    Hydr. Depth (ft)           96.66     184.44      93.64
  Conv. Total (cfs)       761379800.0    Conv. (cfs)            314382300.0   77970570.0   369026900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15610.02    1321.45   19299.34
  Min Ch El (ft)            567.54    Shear (lb/sq ft)            0.47       0.90       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.87       2.54       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    87158.06   16126.62   105081.50
  C & E Loss (ft)             0.00    Cum SA (acres)            754.59      75.21     883.61


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275142.*

INPUT
Description:
Station Elevation Data     num=      120
      Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev
        0      800  195.44   791.84  635.86   774.96 1339.63   761.12 1516.71   753.16
  1799.54   746.23  1965.4   744.02 2312.23   744.02 2643.32    742.4 3532.58   723.15
  3603.69   719.33 3694.07   715.98 3705.27   715.81 3904.96   716.76 4083.11   714.02
   4224.7   711.14 4376.73   706.79 4748.33   697.75 5201.23   691.12 5538.28   688.97
  5683.32    687.5 5841.14   680.93 5909.04    674.7 6268.72   673.35 6615.23   676.32
  6755.02   678.04  6973.4   666.08 7138.56    660.1 7209.21   654.12 7257.84   654.12
  7407.08   658.29 7622.93   668.35 7685.42   668.42 7813.88   670.95 8174.47   667.26
  8222.01   670.22 8375.42   677.19 8666.28   664.43 8680.26   662.92 8851.63   651.23
  8989.26   650.73 9241.59   661.77     9415  661.14 9596.68   648.51 9781.45   644.64
  9924.58   634.12 9941.68   633.8210030.68   621.8610197.68   603.9210254.57   603.92
 10296.26   609.3710422.08   637.8910528.91   651.8610913.81   646.7711070.79   640.68
  11126.2   635.9211337.43   633.1311587.92   637.8611885.97   633.9212516.33   627.94
 13968.06   627.94   14207   623.9214821.22   623.9215293.76    629.9 15353.4   635.88
 15645.24   631.5715652.17   627.4415758.04   625.5616412.26   599.6416969.21   591.96
 17056.06   585.2917361.88   582.8517440.77   576.2517564.93   567.5418045.44   567.54
 18170.07    571.718289.57   591.96 18375.8   608.9418394.27   611.1918626.06   628.18
 19053.93   634.0819477.15   635.0621530.25    630.121642.29    630.121865.44   630.98
 22205.68   628.2923164.73   632.0623414.98   638.0425044.22   644.02   25416   646.86
 25827.43   651.3126459.86   665.2926677.63   665.9827761.17   665.9828378.86   661.96
  28645.1   661.9629203.19   655.9829434.28   652.5129601.07   650.6429737.19   645.18
 29881.69   645.7430167.54   652.8230480.33    655.531547.94   672.6332193.75   675.69
 33134.82    708.333273.54   708.9533873.43   687.6833907.17   687.8435456.55   727.35
 36470.91   728.7836662.88    732.4   37005   748.0237045.31   748.9137343.38    751.5
 37665.82   762.6737819.53   766.0838572.38      79039248.95   793.9839590.13      800

Manning's n Values         num=        3
      Sta    n Val     Sta    n Val     Sta    n Val
        0     .1516969.21     .1518289.57     .15

Bank Sta: Left   Right     Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16969.2118289.57                 5        5        5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.86    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.80    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507641.00   243511.30   1807148.00
  E.G. Slope (ft/ft)      0.000078    Area (sq ft)            1507641.00   243511.30   1807148.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2777896.00   689789.40   3262314.00
  Top Width (ft)          36214.00    Top Width (ft)          15600.22    1320.36   19293.41
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.84       2.83       1.81
  Max Chl Dpth (ft)         192.26    Hydr. Depth (ft)           96.64     184.43      93.67
  Conv. Total (cfs)       761550500.0    Conv. (cfs)            314340000.0   78054890.0   369155600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15613.54    1322.98   19298.61
  Min Ch El (ft)            567.54    Shear (lb/sq ft)            0.47       0.90       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.87       2.54       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    86985.01   16098.69   104874.00
  C & E Loss (ft)             0.00    Cum SA (acres)            752.80      75.06     881.39
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CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275139.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  195.48  791.83  636.01  774.95 1339.93  761.11 1517.05  753.15
 1799.94  746.22 1965.84  744.01 2312.75  744.01 2643.91  742.38 3533.37  723.17
  3604.5  719.34 3694.89  715.99  3706.1  715.82 3905.84  716.75 4084.02  714.01
 4225.65  711.12  4377.7  706.77  4749.4  697.73 5202.39  691.11 5539.52  688.95
 5684.59  687.48 5842.44   680.9 5910.36  674.66 6270.12  673.32 6616.71   676.3
 6756.53  678.02 6974.96  666.04 7140.15  660.05 7210.82  654.06 7259.46  654.06
 7408.73  658.24 7624.63   668.3 7687.14  668.38 7815.62  670.93  8176.3  667.26
 8223.84  670.24 8377.29  677.25 8668.22  664.52  8682.2  663.01 8853.61  651.31
 8991.27   650.8 9243.65  661.87 9417.11  661.23 9598.83  648.59 9783.64  644.71
  9926.8  634.21  9943.9  633.9110032.92  621.9310199.96  603.9610256.86  603.96
10298.57  609.4210424.41  637.9310531.27  651.9310916.25  646.8311073.27  640.74
11128.69     63611339.97   633.2 11590.5  637.9111888.63  633.9612519.13  627.97
13971.18  627.9714210.17  623.9614824.54  623.9615297.18  629.9515356.84  635.94
15648.74  631.6215655.67  627.5115761.57  625.6216415.93  599.6716973.01  591.98
17059.99   585.317366.29  582.8717445.31  576.2517569.67  567.5418050.42  567.54
18175.22  571.6918294.88  591.9818381.11  608.9418399.58  611.1818631.34  628.14
19059.16  634.0519482.33  635.0221535.21  630.0521647.23  630.0521870.35  630.93
22210.56  628.26 23169.5  632.0323419.72  638.0225048.78  644.0125420.52  646.85
 25831.9  651.3126464.26   665.326682.01  665.9927765.43  665.9928383.05  661.98
28649.26  661.9829207.28  655.9929438.36  652.5129605.12  650.6429741.23  645.17
29885.71  645.7330171.53  652.8130484.29   655.531551.77   672.632197.51  675.67
33138.48  708.2133277.18  708.87   33877  687.6633910.74  687.8235459.95  727.26
36474.19  728.7136666.14  732.3337008.23  747.9537048.53  748.8537346.56  751.46
37668.96  762.6337822.66  766.0438575.43     79039251.92  793.9839593.07     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516973.01    .1518294.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16973.0118294.88                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.86    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.80    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507656.00   243779.00   1807486.00
  E.G. Slope (ft/ft)      0.000078    Area (sq ft)            1507656.00   243779.00   1807486.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2776893.00   690375.30   3262732.00
  Top Width (ft)          36218.20    Top Width (ft)          15603.93    1321.87   19292.40
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.84       2.83       1.81
  Max Chl Dpth (ft)         192.26    Hydr. Depth (ft)           96.62     184.42      93.69
  Conv. Total (cfs)       761717500.0    Conv. (cfs)             314295400.0   78138330.0   369283800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15617.26    1324.50   19297.58
  Min Ch El (ft)            567.54    Shear (lb/sq ft)           0.47       0.90       0.46
  Alpha                       1.06    Stream Power (lb/ft s)     0.87       2.54       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    86811.95   16070.72   104666.60
  C & E Loss (ft)             0.00    Cum SA (acres)            751.01      74.91     879.18


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275136.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  195.53  791.83  636.15  774.93 1340.23  761.11 1517.39  753.14
 1800.34  746.22 1966.28     744 2313.27     744 2644.51  742.37 3534.16  723.18
  3605.3  719.36 3695.72     716 3706.93  715.83 3906.71  716.75 4084.93     714
 4226.59  711.11 4378.68  706.75 4750.46  697.71 5203.55  691.09 5540.76  688.93
 5685.86  687.46 5843.75  680.88 5911.68  674.62 6271.52  673.29 6618.19  676.28
 6758.04     678 6976.52     666 7141.75     660 7212.43     654 7261.08     654
 7410.39  658.19 7626.34  668.25 7688.85  668.33 7817.37   670.9 8178.13  667.27
 8225.68  670.26 8379.16   677.3 8670.16  664.61 8684.14   663.1 8855.58  651.38
 8993.28  650.88 9245.72  661.96 9419.21  661.33 9600.97  648.67 9785.82  644.79
 9929.02   634.3 9946.12     63410035.17     62210202.24     60410259.15     604
10300.87  609.4710426.74  637.9810533.62     65210918.69  646.8911075.74  640.81
11131.17  636.08 11342.5  633.28 11593.1  637.9511891.29     63412521.93     628
 13974.3     62814213.35     62414827.85     624 15300.6     63015360.27     636
15652.24  631.6715659.17  627.5715765.09  625.68 16419.6  599.69 16976.8     592
17063.92  585.31 17370.7  582.8917449.85  576.26 17574.4  567.54 18055.4  567.54
18180.38  571.69 18300.2     59218386.41  608.9418404.88  611.1818636.62  628.11
19064.39  634.0119487.52  634.9721540.16     63021652.17     63021875.27  630.88
22215.44  628.2223174.27     63223424.46     63825053.34     64425425.04  646.85
25836.38   651.326468.67  665.3126686.39     66627769.69     66628387.24     662
28653.42     66229211.38     65629442.43  652.5229609.18  650.6429745.27  645.16
29889.73  645.7130175.52   652.830488.24  655.4931555.61  672.5732201.27  675.64
33142.13  708.1233280.82  708.7833880.57  687.6433914.31   687.835463.35  727.17
36477.47  728.6436669.41  732.2737011.45  747.8837051.75  748.7837349.75  751.41
37672.11  762.58 37825.8     76638578.48     79039254.89  793.99   39596     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 16976.8     .15 18300.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       16976.8 18300.2                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.86    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.80    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507671.00   244047.40   1807864.00
  E.G. Slope (ft/ft)      0.000078    Area (sq ft)            1507671.00   244047.40   1807864.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2775868.00   690947.90   3263185.00
  Top Width (ft)          36222.52    Top Width (ft)          15607.44    1323.40   19291.67
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.84       2.83       1.80
  Max Chl Dpth (ft)         192.26    Hydr. Depth (ft)           96.60     184.41      93.71
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  Conv. Total (cfs)       761896800.0    Conv. (cfs)            314253300.0   78221540.0   369422000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15620.78    1326.03   19296.85
  Min Ch El (ft)            567.54    Shear (lb/sq ft)            0.47       0.90       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.87       2.54       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    86638.90   16042.72   104459.10
  C & E Loss (ft)             0.00    Cum SA (acres)            749.22      74.76     876.96


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275133.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  195.57  791.82  636.29  774.92 1340.52  761.11 1517.73  753.14
 1800.74  746.21 1966.72  743.99 2313.78  743.99  2645.1  742.36 3534.95   723.2
 3606.11  719.37 3696.54  716.01 3707.75  715.84 3907.58  716.74 4085.85  713.99
 4227.53  711.09 4379.66  706.74 4751.52  697.69 5204.72  691.08    5542  688.91
 5687.13  687.44 5845.06  680.85    5913  674.59 6272.92  673.25 6619.67  676.25
 6759.55  677.98 6978.07  665.96 7143.34  659.95 7214.04  653.94 7262.71  653.94
 7412.04  658.14 7628.04  668.19 7690.57  668.29 7819.12  670.87 8179.96  667.28
 8227.52  670.27 8381.03  677.36 8672.09   664.7 8686.08  663.18 8857.56  651.45
 8995.29  650.95 9247.79  662.06 9421.32  661.43 9603.12  648.75 9788.01  644.86
 9931.24  634.39 9948.35  634.0910037.41  622.0710204.52  604.0410261.44  604.04
10303.17  609.5210429.07  638.0310535.97  652.0710921.13  646.9611078.22  640.88
11133.66  636.1511345.04  633.3511595.69     63811893.94  634.0412524.73  628.03
13977.43  628.0314216.53  624.0414831.16  624.0415304.02  630.05 15363.7  636.06
15655.73  631.7315662.67  627.6315768.61  625.7416423.27  599.7216980.59  592.02
17067.86  585.3217375.11  582.9117454.39  576.2717579.13  567.5418060.38  567.54
18185.53  571.6918305.52  592.0218391.72  608.9418410.19  611.18 18641.9  628.07
19069.62  633.98 19492.7  634.9321545.11  629.9521657.11  629.9521880.19  630.83
22220.32  628.1823179.04  631.9723429.21  637.9825057.91  643.9925429.56  646.84
25840.85   651.326473.07  665.3226690.77  666.0127773.94  666.0128391.43  662.02
28657.57  662.0229215.48  656.01 29446.5  652.5229613.23  650.64 29749.3  645.15
29893.75   645.730179.51   652.830492.19  655.4831559.44  672.5432205.04  675.62
33145.79  708.0433284.46   708.733884.15  687.6233917.88  687.7835466.75  727.08
36480.76  728.5736672.67  732.2137014.68  747.8137054.97  748.7137352.94  751.36
37675.27  762.5337828.93  765.9638581.52     79039257.86     79439598.93     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516980.59     .1518305.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16980.5918305.52                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.86    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.80    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507675.00   244316.20   1808208.00
  E.G. Slope (ft/ft)      0.000078    Area (sq ft)            1507675.00   244316.20   1808208.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2774868.00   691534.80   3263598.00
  Top Width (ft)          36226.80    Top Width (ft)          15610.93    1324.93   19290.95
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.84       2.83       1.80
  Max Chl Dpth (ft)         192.26    Hydr. Depth (ft)           96.58     184.40      93.73
  Conv. Total (cfs)       762060900.0    Conv. (cfs)            314207700.0   78304860.0   369548400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15624.28    1327.56   19296.11
  Min Ch El (ft)            567.54    Shear (lb/sq ft)            0.47       0.90       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.86       2.54       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    86465.84   16014.70   104251.60
  C & E Loss (ft)             0.00    Cum SA (acres)            747.42      74.60     874.75


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275130.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  195.61  791.82  636.43  774.91 1340.82  761.11 1518.07  753.13
 1801.15  746.21 1967.15  743.98  2314.3  743.98 2645.69  742.35 3535.74  723.22
 3606.91  719.39 3697.37  716.02 3708.58  715.85 3908.45  716.74 4086.76  713.98
 4228.48  711.08 4380.64  706.72 4752.58  697.67 5205.88  691.06 5543.23  688.89
  5688.4  687.42 5846.36  680.82 5914.32  674.55 6274.32  673.22 6621.15  676.23
 6761.06  677.96 6979.63  665.92 7144.94   659.9 7215.65  653.88 7264.33  653.88
  7413.7  658.08 7629.75  668.14 7692.29  668.24 7820.86  670.85 8181.78  667.28
 8229.36  670.29 8382.91  677.42 8674.03  664.79 8688.02  663.27 8859.54  651.52
  8997.3  651.02 9249.85  662.15 9423.42  661.52 9605.26  648.83  9790.2  644.94
 9933.46  634.48 9950.57  634.1810039.65  622.1410206.79  604.0810263.73  604.08
10305.47  609.57 10431.4  638.0710538.33  652.1410923.57  647.0211080.69  640.95
11136.15  636.2311347.57  633.4211598.28  638.05 11896.6  634.0812527.52  628.06
13980.55  628.06 14219.7  624.0814834.48  624.0815307.44   630.115367.13  636.12
15659.23  631.7815666.16   627.715772.13   625.816426.93  599.7416984.39  592.04
17071.79  585.3417379.53  582.9217458.92  576.2817583.87  567.5418065.36  567.54
18190.68  571.6818310.83  592.0418397.03  608.9418415.49  611.1818647.18  628.04
19074.85  633.9419497.88  634.8921550.07   629.921662.05   629.921885.11  630.78
 22225.2  628.1523183.82  631.9423433.95  637.9625062.47  643.9825434.08  646.84
25845.33   651.326477.47  665.3326695.14  666.02 27778.2  666.0228395.62  662.04
28661.73  662.0429219.57  656.0229450.57  652.5229617.28  650.6329753.34  645.13
29897.77  645.6830183.49  652.7930496.15  655.4731563.28  672.51 32208.8   675.6
33149.45  707.9533288.11  708.6133887.72   687.633921.45  687.7635470.14     727
36484.04  728.4936675.93  732.14 37017.9  747.7437058.19  748.6437356.12  751.31
37678.41  762.4937832.06  765.9238584.57     79039260.84     79439601.87     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516984.39     .1518310.83     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16984.3918310.83                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.86    Element                   Left OB    Channel   Right OB
```

```
  Vel Head (ft)              0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.80    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1507691.00   244582.40   1808555.00
  E.G. Slope (ft/ft)     0.000078    Area (sq ft)            1507691.00   244582.40   1808555.00
  Q Total (cfs)          6730000.00    Flow (cfs)              2773875.00   692110.40   3264015.00
  Top Width (ft)         36230.89    Top Width (ft)          15614.45    1326.44   19290.00
  Vel Total (ft/s)           1.89    Avg. Vel. (ft/s)            1.84       2.83       1.80
  Max Chl Dpth (ft)        192.26    Hydr. Depth (ft)           96.56     184.39      93.76
  Conv. Total (cfs)      762232200.0    Conv. (cfs)             314165900.0   78387650.0   369678700.0
  Length Wtd. (ft)           5.00    Wetted Per. (ft)        15627.81    1329.07   19295.16
  Min Ch El (ft)           567.54    Shear (lb/sq ft)            0.47       0.90       0.46
  Alpha                      1.06    Stream Power (lb/ft s)      0.86       2.53       0.82
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    86292.79   15986.64   104044.00
  C & E Loss (ft)            0.00    Cum SA (acres)            745.63      74.45     872.53


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275127.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  195.66  791.81  636.57   774.9 1341.12   761.1 1518.41  753.12
 1801.55   746.2 1967.59  743.97 2314.82  743.97 2646.28  742.33 3536.52  723.24
 3607.72   719.4 3698.19  716.03 3709.41  715.86 3909.33  716.73 4087.67  713.97
 4229.42  711.06 4381.62   706.7 4753.64  697.65 5207.04  691.05 5544.47  688.88
 5689.67  687.41 5847.67  680.79 5915.64  674.51 6275.72  673.19 6622.63  676.21
 6762.57  677.94 6981.19  665.88 7146.54  659.85 7217.27  653.82 7265.95  653.82
 7415.36  658.03 7631.45  668.09 7694.01  668.19 7822.61  670.82 8183.61  667.29
  8231.2  670.31 8384.78  677.47 8675.97  664.88 8689.96  663.36 8861.52  651.59
 8999.31   651.1 9251.92  662.25 9425.53  661.62 9607.41  648.91 9792.38  645.01
 9935.68  634.57 9952.79  634.2710041.89  622.2110209.07  604.1210266.03  604.12
10307.77  609.6210433.73  638.1210540.68  652.2110926.01  647.0811083.17  641.02
11138.63  636.3111350.11  633.4911600.87  638.0911899.26  634.1212530.32  628.09
13983.67  628.0914222.88  624.1214837.79  624.1215310.86  630.1515370.56  636.18
15662.73  631.8315669.66  627.7615775.66  625.86 16430.6  599.7716988.18  592.06
17075.71  585.3517383.94  582.9417463.46  576.29 17588.6  567.5418070.34  567.54
18195.83  571.6818316.15  592.0618402.34  608.94 18420.8  611.1718652.46     628
19080.09  633.9119503.07  634.8521555.02  629.85   21667  629.8521890.02  630.73
22230.08  628.1123188.59  631.91 23438.7  637.9425067.03  643.97 25438.6  646.83
 25849.8  651.2926481.88  665.3426699.52  666.0327782.46  666.0328399.81  662.06
28665.89  662.0629223.67  656.0329454.64  652.5329621.33  650.6329757.38  645.12
29901.79  645.6730187.48  652.78 30500.1  655.4731567.11  672.4832212.56  675.57
 33153.1  707.8633291.75  708.53 33891.3  687.5833925.02  687.7435473.54  726.91
36487.32  728.42 36679.2  732.0837021.12  747.6737061.41  748.5737359.31  751.27
37681.57  762.44 37835.2  765.8838587.62     79039263.81  794.01 39604.8     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516988.18     .1518316.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16988.1818316.15                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.86    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.80    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1507702.00   244851.30   1808909.00
  E.G. Slope (ft/ft)     0.000078    Area (sq ft)            1507702.00   244851.30   1808909.00
  Q Total (cfs)          6730000.00    Flow (cfs)              2772858.00   692693.40   3264449.00
  Top Width (ft)         36235.33    Top Width (ft)          15618.15    1327.97   19289.21
  Vel Total (ft/s)           1.89    Avg. Vel. (ft/s)            1.84       2.83       1.80
  Max Chl Dpth (ft)        192.26    Hydr. Depth (ft)           96.54     184.38      93.78
  Conv. Total (cfs)      762400500.0    Conv. (cfs)             314120100.0   78471000.0   369809500.0
  Length Wtd. (ft)           5.00    Wetted Per. (ft)        15631.51    1330.60   19294.36
  Min Ch El (ft)           567.54    Shear (lb/sq ft)            0.47       0.90       0.46
  Alpha                      1.06    Stream Power (lb/ft s)      0.86       2.53       0.82
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    86119.73   15958.55   103836.40
  C & E Loss (ft)            0.00    Cum SA (acres)            743.84      74.30     870.32


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275124.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   195.7  791.81  636.72  774.88 1341.42   761.1 1518.75  753.11
 1801.95  746.19 1968.03  743.96 2315.33  743.96 2646.87  742.32 3537.31  723.25
 3608.53  719.42 3699.02  716.04 3710.24  715.87  3910.2  716.73 4088.58  713.96
 4230.37  711.05 4382.59  706.69  4754.7  697.63 5208.21  691.03 5545.71  688.86
 5690.94  687.39 5848.97  680.77 5916.96  674.48 6277.12  673.15 6624.11  676.18
 6764.08  677.92 6982.75  665.84 7148.13   659.8 7218.88  653.76 7267.57  653.76
 7417.01  657.98 7633.15  668.03 7695.73  668.15 7824.36  670.79 8185.44   667.3
 8233.03  670.33 8386.65  677.53 8677.91  664.96  8691.9  663.45  8863.5  651.66
 9001.32  651.17 9253.98  662.34 9427.63  661.72 9609.55  648.98 9794.57  645.09
 9937.89  634.66 9955.01  634.3610044.13  622.2810211.35  604.1610268.32  604.16
10310.07  609.6710436.06  638.1710543.03  652.2810928.45  647.1411085.64  641.08
11141.12  636.3811352.64  633.5611603.46  638.1411901.91  634.1612533.12  628.12
13986.79  628.1214226.05  624.16 14841.1  624.1615314.27   630.2   15374  636.24
15666.23  631.8815673.16  627.8215779.18  625.9216434.27  599.7916991.97  592.08
17079.64  585.3617388.35  582.96   17468   576.317593.34  567.5418075.32  567.54
18200.98  571.6718321.47  592.0818407.64  608.9318426.11  611.1718657.74  627.96
19085.32  633.8719508.25  634.8121559.98   629.821671.94   629.821894.94  630.69
22234.96  628.0823193.36  631.8823443.44  637.9225071.59  643.9625443.12  646.83
25854.27  651.2926486.28  665.36 26703.9  666.0427786.72  666.04   28404  662.08
28670.05  662.0829227.77  656.0429458.71  652.5329625.38  650.6329761.41  645.11
29905.81  645.6530191.47  652.7830504.05  655.4631570.94  672.4532216.32  675.55
33156.76  707.7833295.39  708.4433894.87  687.5633928.59  687.7235476.94  726.82
36490.61  728.3536682.46  732.0237024.35   747.637064.63   748.5 37362.5  751.22
37684.71   762.437838.33  765.8438590.67     79039266.79  794.0239607.74     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
```

```
       0     .1516991.97     .1518321.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16991.9718321.47                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.86    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.80    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507725.00   245121.00   1809244.00
  E.G. Slope (ft/ft)      0.000078    Area (sq ft)            1507725.00   245121.00   1809244.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2771888.00   693277.20   3264835.00
  Top Width (ft)          36239.41    Top Width (ft)          15621.66    1329.50   19288.26
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.84       2.83       1.80
  Max Chl Dpth (ft)         192.26    Hydr. Depth (ft)           96.52     184.37      93.80
  Conv. Total (cfs)       762571800.0    Conv. (cfs)            314080800.0   78554780.0   369936200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15635.04    1332.14   19293.39
  Min Ch El (ft)            567.54    Shear (lb/sq ft)            0.47       0.89       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.86       2.53       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    85946.66   15930.43   103628.70
  C & E Loss (ft)             0.00    Cum SA (acres)            742.05      74.15     868.11


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275121.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  195.74  791.81  636.86  774.87 1341.72   761.1 1519.09   753.1
 1802.35  746.19 1968.47  743.95 2315.85  743.95 2647.46  742.31  3538.1  723.27
 3609.33  719.44 3699.85  716.05 3711.07  715.88 3911.07  716.72  4089.5  713.95
 4231.31  711.03 4383.57  706.67 4755.76  697.61 5209.37  691.02 5546.95  688.84
 5692.21  687.37 5850.28  680.74 5918.28  674.44 6278.53  673.12 6625.59  676.16
 6765.59   677.9 6984.31   665.8 7149.73  659.75 7220.49   653.7  7269.2   653.7
 7418.67  657.92 7634.86  667.98 7697.44   668.1  7826.1  670.76 8187.26   667.3
 8234.87  670.34 8388.52  677.59 8679.84  665.05 8693.84  663.54 8865.48  651.74
 9003.33  651.24 9256.05  662.44 9429.74  661.81  9611.7  649.06 9796.76  645.16
 9940.11  634.75 9957.24  634.4510046.38  622.3510213.63   604.210270.61   604.2
10312.38  609.7210438.39  638.2110545.39  652.3510930.89   647.211088.12  641.15
11143.61  636.4611355.17  633.6411606.05  638.1911904.57   634.212535.92  628.15
13989.92  628.1514229.23   624.214844.41   624.215317.69  630.2515377.43   636.3
15669.72  631.9415676.66  627.88 15782.7  625.9816437.94  599.8216995.77   592.1
17083.58  585.3717392.77  582.9817472.54  576.3117598.07  567.5318080.29  567.53
18206.13  571.6718326.79   592.118412.95  608.9318431.41  611.1718663.02  627.93
19090.55  633.8419513.44  634.7721564.93  629.7521676.88  629.7521899.86  630.64
22239.84  628.0423198.13  631.8523448.19   637.925076.15  643.9525447.64  646.82
25858.75  651.2926490.68  665.3726708.28  666.0527790.97  666.0528408.18   662.1
28674.21   662.129231.86  656.0529462.78  652.5429629.44  650.6329765.45  645.09
29909.83  645.6430195.46  652.7730508.01  655.4531574.78  672.4232220.08  675.52
33160.42  707.6933299.03  708.3633898.45  687.5333932.16   687.735480.34  726.73
36493.89  728.2836685.72  731.9637027.57  747.5337067.85  748.4337365.68  751.17
37687.87  762.3537841.46   765.838593.72     79039269.76  794.0239610.68     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516995.77     .1518326.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16995.7718326.79                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.86    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.80    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507731.00   245393.70   1809603.00
  E.G. Slope (ft/ft)      0.000078    Area (sq ft)            1507731.00   245393.70   1809603.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2770864.00   693877.80   3265259.00
  Top Width (ft)          36243.73    Top Width (ft)          15625.18    1331.02   19287.53
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.84       2.83       1.80
  Max Chl Dpth (ft)         192.27    Hydr. Depth (ft)           96.49     184.37      93.82
  Conv. Total (cfs)       762744100.0    Conv. (cfs)            314035600.0   78640580.0   370067800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15638.57    1333.66   19292.65
  Min Ch El (ft)            567.53    Shear (lb/sq ft)            0.47       0.89       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.86       2.53       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    85773.60   15902.28   103421.00
  C & E Loss (ft)             0.00    Cum SA (acres)            740.25      73.99     865.89


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275118.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  195.79   791.8     637  774.86 1342.02  761.09 1519.43   753.1
 1802.76  746.18 1968.91  743.94 2316.37  743.94 2648.05   742.3 3538.89  723.29
 3610.14  719.45 3700.67  716.06  3711.9  715.89 3911.95  716.71 4090.41  713.94
 4232.26  711.02 4384.55  706.65 4756.82  697.59 5210.53     691 5548.19  688.82
 5693.48  687.35 5851.58  680.71  5919.6   674.4 6279.93  673.09 6627.06  676.14
  6767.1  677.88 6985.87  665.76 7151.32   659.7  7222.1  653.64 7270.82  653.64
 7420.32  657.87 7636.56  667.93 7699.16  668.06 7827.85  670.74 8189.09  667.31
 8236.71  670.36  8390.4  677.64 8681.78  665.14 8695.78  663.63 8867.46  651.81
 9005.33  651.31 9258.11  662.53 9431.84  661.91 9613.84  649.14 9798.94  645.23
 9942.33  634.84 9959.46  634.5410048.62  622.4210215.91  604.24 10272.9  604.24
10314.68  609.7710440.72  638.2610547.74  652.4210933.33  647.2611090.59  641.22
11146.09  636.5411357.71  633.7111608.64  638.2311907.23  634.2412538.71  628.18
13993.04  628.18 14232.4  624.2414847.73  624.2415321.11   630.315380.86  636.36
15673.22  631.9915680.16  627.9515786.22  626.0416441.61  599.8516999.56  592.12
17087.51  585.3817397.18     58317477.08  576.32 17602.8  567.5318085.27  567.53
18211.29  571.66 18332.1  592.1218418.26  608.9318436.71  611.16 18668.3  627.89
19095.78   633.819518.62  634.7221569.89   629.721681.82   629.721904.77  630.59
22244.71     628 23202.9  631.8223452.93  637.8825080.71  643.9425452.16  646.82
25863.22  651.2826495.09  665.3826712.66  666.0627795.23  666.0628412.37  662.12
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28678.37  662.1229235.96  656.0629466.85  652.5429633.49  650.6329769.49  645.08
29913.85  645.6330199.45  652.7630511.96  655.4431578.61   672.432223.85   675.5
33164.07   707.633302.67  708.2733902.02  687.5133935.73  687.6835483.73  726.64
36497.18  728.2136688.98  731.89 37030.8  747.4637071.07  748.3737368.87  751.12
37691.02  762.31 37844.6  765.7638596.77     79039272.73  794.0339613.61     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1516999.56     .15 18332.1     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      16999.56 18332.1                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.86    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.80    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507741.00   245661.60   1809970.00
  E.G. Slope (ft/ft)      0.000078    Area (sq ft)            1507741.00   245661.60   1809970.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2769825.00   694453.30   3265722.00
  Top Width (ft)          36247.96    Top Width (ft)          15628.84    1332.54   19286.58
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.84       2.83       1.80
  Max Chl Dpth (ft)         192.27    Hydr. Depth (ft)           96.47     184.36      93.85
  Conv. Total (cfs)       762918900.0    Conv. (cfs)            313989900.0   78723860.0   370205200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15642.24    1335.18   19291.70
  Min Ch El (ft)            567.53    Shear (lb/sq ft)            0.47       0.89       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.86       2.53       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    85600.54   15874.09   103213.30
  C & E Loss (ft)             0.00    Cum SA (acres)            738.46      73.84     863.68


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275115.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  195.83   791.8  637.14  774.85 1342.32  761.09 1519.77  753.09
 1803.16  746.17 1969.35  743.93 2316.88  743.93 2648.64  742.28 3539.68   723.3
 3610.94  719.47  3701.5  716.07 3712.72   715.9 3912.82  716.71 4091.32  713.93
  4233.2     711 4385.53  706.64 4757.89  697.58 5211.69  690.99 5549.42   688.8
 5694.75  687.33 5852.89  680.68 5920.92  674.37 6281.33  673.05 6628.54  676.12
 6768.61  677.86 6987.43  665.72 7152.92  659.65 7223.71  653.58 7272.44  653.58
 7421.98  657.82 7638.26  667.88 7700.88  668.01  7829.6  670.71 8190.92  667.32
 8238.55  670.38 8392.27   677.7 8683.72  665.23 8697.72  663.71 8869.43  651.88
 9007.34  651.39 9260.18  662.63 9433.95  662.01 9615.99  649.22 9801.13  645.31
 9944.55  634.93 9961.68  634.6310050.86  622.4910218.19  604.28 10275.2  604.28
10316.98  609.8210443.05  638.3110550.09  652.4910935.77  647.3311093.06  641.29
11148.58  636.6211360.24  633.7811611.23  638.2811909.88  634.2812541.51  628.21
13996.16  628.2114235.58  624.2814851.04  624.2815324.53  630.3515384.29  636.42
15676.72  632.0415683.66  628.0115789.75   626.116445.28  599.8717003.35  592.14
17091.44  585.3917401.59  583.0117481.61  576.3317607.54  567.5318090.25  567.53
18216.44  571.6618337.42  592.1418423.57  608.9318442.02  611.1618673.58  627.85
19101.01  633.7719523.81  634.6821574.84  629.6521686.77  629.6521909.69  630.54
22249.59  627.9723207.67  631.7923457.67  637.8625085.28  643.9325456.68  646.81
 25867.7  651.2826499.49  665.3926717.04  666.0727799.49  666.0728416.56  662.14
28682.53  662.1429240.05  656.0729470.92  652.5429637.54  650.6329773.52  645.07
29917.88  645.6130203.44  652.7530515.91  655.4431582.45  672.3732227.61  675.48
33167.73  707.5233306.31  708.1933905.59  687.49 33939.3  687.6635487.13  726.56
36500.46  728.1436692.25  731.8337034.02  747.3937074.29   748.337372.05  751.07
37694.17  762.2637847.73  765.7238599.82     790 39275.7  794.0439616.55     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517003.35     .1518337.42     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17003.3518337.42                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.86    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.80    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507748.00   245932.40   1810292.00
  E.G. Slope (ft/ft)      0.000078    Area (sq ft)            1507748.00   245932.40   1810292.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2768856.00   695052.40   3266092.00
  Top Width (ft)          36252.27    Top Width (ft)          15632.35    1334.07   19285.85
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.84       2.83       1.80
  Max Chl Dpth (ft)         192.27    Hydr. Depth (ft)           96.45     184.35      93.87
  Conv. Total (cfs)       763078100.0    Conv. (cfs)            313945500.0   78808220.0   370324400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15645.76    1336.71   19290.96
  Min Ch El (ft)            567.53    Shear (lb/sq ft)            0.47       0.89       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.86       2.53       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    85427.48   15845.88   103005.50
  C & E Loss (ft)             0.00    Cum SA (acres)            736.67      73.69     861.46


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275112.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  195.88  791.79  637.29  774.83 1342.62  761.09  1520.1  753.08
 1803.56  746.17 1969.79  743.92  2317.4  743.92 2649.23  742.27 3540.47  723.32
 3611.75  719.48 3702.32  716.08 3713.55   715.9 3913.69   716.7 4092.23  713.92
 4234.14  710.99 4386.51  706.62 4758.95  697.56 5212.86  690.97 5550.66  688.78
 5696.02  687.31 5854.19  680.66 5922.25  674.33 6282.73  673.02 6630.02  676.09
 6770.12  677.84 6988.99  665.68 7154.51   659.6 7225.32  653.52 7274.06  653.52
 7423.63  657.76 7639.97  667.82  7702.6  667.96 7831.34  670.68 8192.75  667.32
 8240.38  670.39 8394.14  677.76 8685.65  665.32 8699.66   663.8 8871.41  651.95
 9009.35  651.46 9262.25  662.72 9436.05   662.1 9618.13   649.3 9803.32  645.38
 9946.77  635.02  9963.9  634.72 10053.1  622.5610220.47  604.3210277.49  604.32
10319.28  609.8610445.38  638.3510552.45  652.5610938.21  647.3911095.54  641.36
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11151.07  636.6911362.78  633.8511613.82  638.3311912.54  634.3212544.31  628.24
13999.28  628.2414238.75  624.3214854.35  624.3215327.95   630.415387.72  636.48
15680.21  632.0915687.16  628.0715793.27  626.1616448.95   599.917007.14  592.16
17095.37  585.4117406.01  583.0317486.15  576.3417612.27  567.5318095.23  567.53
18221.59  571.6618342.74  592.1618428.87  608.9318447.33  611.1618678.86  627.82
19106.24  633.7319528.99  634.64 21579.8   629.621691.71   629.621914.61  630.49
22254.47  627.9323212.45  631.7623462.42  637.8425089.84  643.92 25461.2  646.81
25872.17  651.2826503.89   665.426721.42  666.0827803.75  666.0828420.75  662.16
28686.69  662.1629244.15  656.0829474.99  652.5529641.59  650.6329777.56  645.06
29921.89   645.630207.43  652.7530519.87  655.4331586.28  672.3432231.37  675.45
33171.39  707.4333309.95   708.133909.17  687.4733942.88  687.6435490.53  726.47
36503.74  728.0636695.51  731.7737037.25  747.3237077.51  748.2337375.24  751.03
37697.32  762.2137850.86  765.6838602.87     79039278.68  794.0439619.48     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517007.14     .1518342.74     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17007.1418342.74                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.86    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.80    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507770.00   246198.70   1810650.00
  E.G. Slope (ft/ft)      0.000078    Area (sq ft)            1507770.00   246198.70   1810650.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2767871.00   695617.00   3266512.00
  Top Width (ft)          36256.52    Top Width (ft)          15635.86    1335.60   19285.06
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.84       2.83       1.80
  Max Chl Dpth (ft)         192.27    Hydr. Depth (ft)           96.43     184.34      93.89
  Conv. Total (cfs)       763252900.0    Conv. (cfs)            313905800.0   78890300.0   370456900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15649.29    1338.24   19290.15
  Min Ch El (ft)            567.53    Shear (lb/sq ft)            0.47       0.89       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.86       2.52       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    85254.41   15817.64   102797.70
  C & E Loss (ft)             0.00    Cum SA (acres)            734.87      73.54     859.25


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275109.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  195.92  791.79  637.43  774.82 1342.92  761.09 1520.44  753.07
 1803.96  746.16 1970.23  743.91 2317.92  743.91 2649.82  742.26 3541.26  723.34
 3612.55   719.5 3703.15  716.09 3714.38  715.91 3914.56   716.7 4093.15  713.91
 4235.09  710.97 4387.49   706.6 4760.01  697.54 5214.02  690.96  5551.9  688.76
 5697.29  687.29  5855.5  680.63 5923.57  674.29 6284.13  672.99  6631.5  676.07
 6771.63  677.82 6990.54  665.64 7156.11  659.55 7226.93  653.46 7275.68  653.46
 7425.29  657.71 7641.67  667.77 7704.32  667.92 7833.09  670.65 8194.57  667.33
 8242.22  670.41 8396.01  677.82 8687.59  665.41  8701.6  663.89 8873.39  652.02
 9011.36  651.53 9264.31  662.82 9438.15   662.2 9620.28  649.38  9805.5  645.46
 9948.99  635.11 9966.12  634.8110055.35  622.6310222.75  604.3610279.78  604.36
10321.58  609.9110447.71   638.4 10554.8  652.6310940.64  647.4511098.01  641.42
11153.56  636.7711365.31  633.9211616.41  638.37 11915.2  634.3612547.11  628.27
 14002.4  628.2714241.93  624.3614857.67  624.3615331.37  630.4515391.15  636.54
15683.71  632.1515690.65  628.1315796.79  626.2316452.61  599.9217010.94  592.18
 17099.3  585.4217410.42  583.0517490.69  576.3517617.01  567.5318100.21  567.53
18226.74  571.6518348.05  592.1818434.18  608.9318452.63  611.1518684.14  627.78
19111.47   633.719534.18   634.621584.75  629.5521696.65  629.5521919.52  630.44
22259.35  627.8923217.22  631.7323467.16  637.82 25094.4  643.9125465.72   646.8
25876.64  651.28 26508.3  665.42 26725.8  666.0927808.01  666.0928424.94  662.18
28690.85  662.1829248.25  656.0929479.06  652.5529645.65  650.62 29781.6  645.04
29925.92  645.5830211.41  652.7430523.82  655.4231590.12  672.3132235.13  675.43
33175.04  707.3433313.59  708.0133912.74  687.4533946.45  687.6235493.93  726.38
36507.03  727.9936698.77   731.737040.47  747.2537080.73  748.1637378.43  750.98
37700.46  762.17   37854  765.6438605.91     79039281.65  794.0539622.41     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517010.94     .1518348.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17010.9418348.05                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.86    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.80    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507776.00   246465.10   1811010.00
  E.G. Slope (ft/ft)      0.000078    Area (sq ft)            1507776.00   246465.10   1811010.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2766846.00   696189.30   3266965.00
  Top Width (ft)          36260.60    Top Width (ft)          15639.38    1337.11   19284.10
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.84       2.82       1.80
  Max Chl Dpth (ft)         192.27    Hydr. Depth (ft)           96.41     184.33      93.91
  Conv. Total (cfs)       763425500.0    Conv. (cfs)            313860400.0   78973060.0   370592000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15652.82    1339.76   19289.18
  Min Ch El (ft)            567.53    Shear (lb/sq ft)            0.47       0.89       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.86       2.52       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    85081.34   15789.36   102589.90
  C & E Loss (ft)             0.00    Cum SA (acres)            733.08      73.38     857.04


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275107.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  195.96  791.78  637.57  774.81 1343.22  761.08 1520.78  753.06
 1804.36  746.15 1970.67   743.9 2318.43   743.9 2650.41  742.24 3542.05  723.36
 3613.36  719.51 3703.97   716.1 3715.21  715.92 3915.44  716.69 4094.06   713.9
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 4236.03  710.96 4388.46  706.59 4761.07  697.52 5215.18  690.95 5553.14  688.75
 5698.56  687.27 5856.81   680.6 5924.89  674.26 6285.53  672.95 6632.98  676.05
 6773.14   677.8  6992.1   665.6 7157.71   659.5 7228.55   653.4 7277.31   653.4
 7426.95  657.66 7643.38  667.72 7706.03  667.87 7834.83  670.63  8196.4  667.34
 8244.06  670.43 8397.88  677.87 8689.53  665.49 8703.54  663.98 8875.37  652.09
 9013.37  651.61 9266.38  662.91 9440.26   662.3 9622.42  649.45 9807.69  645.53
  9951.2   635.2 9968.35   634.910057.59   622.710225.03   604.410282.07   604.4
10323.88  609.9610450.04  638.4510557.16   652.710943.08  647.5111100.49  641.49
11156.04  636.8511367.84     634   11619  638.4211917.85   634.4 12549.9   628.3
14005.53   628.314245.11   624.414860.98   624.415334.79   630.515394.59   636.6
15687.21   632.215694.15   628.215800.31  626.2916456.28  599.9517014.73   592.2
17103.23  585.4317414.83  583.0717495.23  576.3617621.74  567.5318105.19  567.53
18231.89  571.6518353.37   592.218439.49  608.9218457.94  611.1518689.42  627.74
19116.71  633.6619539.36  634.5621589.71   629.521701.59   629.521924.44  630.39
22264.23  627.8623221.99   631.7 23471.9   637.825098.96   643.925470.24   646.8
25881.12  651.27 26512.7  665.4326730.18   666.127812.26   666.128429.13   662.2
28695.01   662.229252.35   656.129483.13  652.56 29649.7  650.6229785.63  645.03
29929.94  645.57 30215.4  652.7330527.78  655.4131593.95  672.2832238.89   675.4
 33178.7  707.2633317.24  707.9333916.32  687.4333950.02  687.5935497.32  726.29
36510.31  727.9236702.03  731.64 37043.7  747.1837083.95  748.0937381.61  750.93
37703.62  762.1237857.13   765.638608.96     79039284.62  794.0639625.35     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517014.73     .1518353.37     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17014.7318353.37                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.85    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.80    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507782.00   246733.00   1811369.00
  E.G. Slope (ft/ft)      0.000078    Area (sq ft)            1507782.00   246733.00   1811369.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2765823.00   696767.80   3267410.00
  Top Width (ft)          36265.09    Top Width (ft)          15643.08    1338.64   19283.37
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.83       2.82       1.80
  Max Chl Dpth (ft)         192.27    Hydr. Depth (ft)           96.39     184.32      93.93
  Conv. Total (cfs)       763593300.0    Conv. (cfs)            313813300.0   79056050.0   370724000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15656.53    1341.29   19288.45
  Min Ch El (ft)            567.53    Shear (lb/sq ft)            0.47       0.89       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.86       2.52       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    84908.27   15761.05   102382.00
  C & E Loss (ft)             0.00    Cum SA (acres)            731.28      73.23     854.82


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275104.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  196.01  791.78  637.71   774.8 1343.52  761.08 1521.12  753.06
 1804.77  746.15 1971.11  743.89 2318.95  743.89    2651  742.23 3542.84  723.37
 3614.16  719.53  3704.8  716.11 3716.04  715.93 3916.31  716.69 4094.97  713.89
 4236.98  710.94 4389.44  706.57 4762.13   697.5 5216.34  690.93 5554.38  688.73
 5699.83  687.26 5858.11  680.58 5926.21  674.22 6286.93  672.92 6634.46  676.02
 6774.65  677.78 6993.66  665.56  7159.3  659.45 7230.16  653.34 7278.93  653.34
  7428.6  657.61 7645.08  667.66 7707.75  667.83 7836.58   670.6 8198.23  667.34
  8245.9  670.45 8399.76  677.93 8691.46  665.58 8705.48  664.07 8877.35  652.16
 9015.38  651.68 9268.44  663.01 9442.36  662.39 9624.57  649.53 9809.88  645.61
 9953.42  635.29 9970.57  634.9910059.83  622.7710227.31  604.4410284.36  604.44
10326.18  610.0110452.37  638.4910559.51  652.7710945.52  647.5711102.96  641.56
11158.53  636.9211370.38  634.0711621.59  638.4711920.51  634.44 12552.7  628.33
14008.65  628.3314248.28  624.4414864.29  624.44 15338.2  630.5515398.02  636.66
15690.71  632.2515697.65  628.2615803.83  626.3516459.95  599.9817018.52  592.22
17107.16  585.4417419.25  583.0817499.77  576.3717626.47  567.5318110.17  567.53
18237.04  571.6418358.69  592.2218444.79  608.9218463.24  611.15 18694.7  627.71
19121.94  633.6319544.54  634.5221594.66  629.4521706.53  629.4521929.36  630.35
22269.11  627.8223226.76  631.6723476.65  637.7825103.52  643.8925474.76  646.79
25885.59  651.27 26517.1  665.4426734.56  666.1127816.52  666.1128433.32  662.22
28699.16  662.2229256.44  656.11 29487.2  652.5629653.75  650.6229789.67  645.02
29933.96  645.5530219.39  652.7330531.73  655.4131597.78  672.2532242.66  675.38
33182.36  707.1733320.88  707.8433919.89  687.4133953.59  687.5735500.72   726.2
36513.59  727.8536705.29  731.5837046.92  747.1137087.16  748.02 37384.8  750.88
37706.77  762.0837860.26  765.5638612.01     790 39287.6  794.0639628.29     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517018.52     .1518358.69     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17018.5218358.69                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.85    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.80    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507793.00   247004.80   1811709.00
  E.G. Slope (ft/ft)      0.000078    Area (sq ft)            1507793.00   247004.80   1811709.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2764828.00   697360.30   3267812.00
  Top Width (ft)          36269.13    Top Width (ft)          15646.56    1340.17   19282.41
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.83       2.82       1.80
  Max Chl Dpth (ft)         192.27    Hydr. Depth (ft)           96.37     184.31      93.96
  Conv. Total (cfs)       763763600.0    Conv. (cfs)            313770400.0   79140920.0   370852300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15660.01    1342.82   19287.47
  Min Ch El (ft)            567.53    Shear (lb/sq ft)            0.47       0.89       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.86       2.52       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    84735.20   15732.72   102174.00
  C & E Loss (ft)             0.00    Cum SA (acres)            729.49      73.08     852.61


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275101.*
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INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  196.05  791.77  637.85  774.79 1343.82  761.08 1521.46  753.05
 1805.17  746.14 1971.55  743.88 2319.47  743.88  2651.6  742.22 3543.63  723.39
 3614.97  719.54 3705.63  716.12 3716.86  715.94 3917.18  716.68 4095.89  713.88
 4237.92  710.93 4390.42  706.55 4763.19  697.48 5217.51  690.92 5555.61  688.71
  5701.1  687.24 5859.42  680.55 5927.53  674.18 6288.33  672.89 6635.94     676
 6776.16  677.76 6995.22  665.52  7160.9   659.4 7231.77  653.28 7280.55  653.28
 7430.26  657.55 7646.78  667.61 7709.47  667.78 7838.33  670.57 8200.05  667.35
 8247.74  670.46 8401.63  677.99  8693.4  665.67 8707.42  664.16 8879.33  652.24
 9017.39  651.75 9270.51   663.1 9444.47  662.49 9626.71  649.61 9812.06  645.68
 9955.64  635.38 9972.79  635.0810062.07  622.8410229.59  604.4810286.66  604.48
10328.49  610.06 10454.7  638.5410561.86  652.8410947.96  647.6311105.44  641.63
11161.02     63711372.91  634.1411624.18  638.5111923.17  634.48 12555.5  628.36
14011.77  628.3614251.46  624.48 14867.6  624.4815341.62   630.615401.45  636.72
 15694.2  632.3115701.15  628.3215807.36  626.4116463.62     60017022.32  592.24
17111.09  585.4517423.66   583.1 17504.3  576.3817631.21  567.5318115.15  567.53
 18242.2  571.64   18364  592.24 18450.1  608.9218468.55  611.1518699.97  627.67
19127.17  633.5919549.73  634.4721599.62   629.421711.48   629.421934.28   630.3
22273.99  627.7823231.53  631.6423481.39  637.7625108.08  643.8825479.28  646.79
25890.07  651.2726521.51  665.4526738.94  666.1227820.78  666.1228437.51  662.24
28703.32  662.2429260.54  656.1229491.27  652.57 29657.8  650.6229793.71     645
29937.98  645.5430223.38  652.7230535.68   655.431601.62  672.2232246.42  675.36
33186.02  707.0833324.52  707.7633923.46  687.3933957.16  687.5535504.12  726.12
36516.88  727.7836708.56  731.5237050.14  747.0437090.38  747.9537387.98  750.84
37709.92  762.0337863.39  765.5238615.06     79039290.57  794.0739631.22     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517022.32     .15   18364     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17022.32   18364                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.85    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.80    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1507808.00   247269.80   1812058.00
  E.G. Slope (ft/ft)      0.000078    Area (sq ft)             1507808.00   247269.80   1812058.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2763845.00   697928.90   3268226.00
  Top Width (ft)          36273.38    Top Width (ft)           15650.08    1341.68   19281.63
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)             1.83       2.82       1.80
  Max Chl Dpth (ft)         192.27    Hydr. Depth (ft)            96.35     184.30      93.98
  Conv. Total (cfs)       763933000.0    Conv. (cfs)             313728400.0   79223020.0   370981600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         15663.55    1344.33   19286.68
  Min Ch El (ft)            567.53    Shear (lb/sq ft)             0.47       0.89       0.46
  Alpha                       1.06    Stream Power (lb/ft s)       0.85       2.52       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    84562.13   15704.35   101966.00
  C & E Loss (ft)             0.00    Cum SA (acres)            727.69      72.92     850.40


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275098.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  196.09  791.77     638  774.77 1344.12  761.08  1521.8  753.04
 1805.57  746.14 1971.99  743.87 2319.98  743.87 2652.19  742.21 3544.42  723.41
 3615.78  719.56 3706.45  716.13 3717.69  715.95 3918.05  716.68  4096.8  713.87
 4238.87  710.91  4391.4  706.54 4764.25  697.46 5218.67   690.9 5556.85  688.69
 5702.37  687.22 5860.72  680.52 5928.85  674.15 6289.74  672.86 6637.41  675.98
 6777.67  677.74 6996.78  665.48 7162.49  659.35 7233.38  653.22 7282.17  653.22
 7431.91   657.5 7648.49  667.56 7711.19  667.74 7840.07  670.55 8201.88  667.36
 8249.57  670.48  8403.5  678.04 8695.34  665.76 8709.36  664.25 8881.31  652.31
  9019.4  651.82 9272.57   663.2 9446.57  662.59 9628.86  649.69 9814.25  645.76
 9957.86  635.47 9975.01  635.1710064.31  622.9110231.87  604.5210288.95  604.52
10330.79  610.1110457.03  638.5910564.22  652.91 10950.4  647.6911107.91   641.7
 11163.5  637.0811375.45  634.2111626.77  638.5611925.83  634.52 12558.3  628.39
14014.89  628.3914254.63  624.5214870.92  624.5215345.04  630.6515404.88  636.78
 15697.7  632.3615704.65  628.3815810.88  626.4716467.29  600.0317026.11  592.26
17115.02  585.4617428.07  583.1217508.84  576.3917635.94  567.5318120.13  567.53
18247.35  571.6318369.32  592.2618455.41  608.9218473.85  611.1418705.25  627.63
 19132.4  633.5619554.91  634.4321604.57  629.3521716.42  629.3521939.19  630.25
22278.87  627.75 23236.3  631.6123486.13  637.7425112.64  643.87 25483.8  646.78
25894.54  651.2626525.91  665.4626743.31  666.1327825.04  666.1328441.69  662.26
28707.48  662.2629264.63  656.1329495.34  652.5729661.85  650.6229797.75  644.99
   29942  645.5330227.37  652.7130539.64  655.3931605.45  672.1932250.18  675.33
33189.67     70733328.16  707.6733927.04  687.3733960.73  687.5335507.52  726.03
36520.16  727.7136711.82  731.4537053.37  746.9737093.61  747.8837391.17  750.79
37713.07  761.9937866.53  765.4838618.11     79039293.54  794.0839634.16     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517026.11     .1518369.32     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17026.1118369.32                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.85    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1507803.00   247539.60   1812416.00
  E.G. Slope (ft/ft)      0.000078    Area (sq ft)             1507803.00   247539.60   1812416.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2762802.00   698511.60   3268687.00
  Top Width (ft)          36277.46    Top Width (ft)           15653.59    1343.21   19280.66
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)             1.83       2.82       1.80
  Max Chl Dpth (ft)         192.26    Hydr. Depth (ft)            96.32     184.29      94.00
  Conv. Total (cfs)       764102900.0    Conv. (cfs)             313679800.0   79306800.0   371116400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         15667.07    1345.87   19285.70
  Min Ch El (ft)            567.53    Shear (lb/sq ft)             0.47       0.89       0.46
  Alpha                       1.06    Stream Power (lb/ft s)       0.85       2.51       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    84389.05   15675.95   101758.00
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  C & E Loss (ft)             0.00    Cum SA (acres)            725.89      72.77     848.18


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275095.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  196.14  791.76  638.14  774.76 1344.42  761.07 1522.14  753.03
 1805.97  746.13 1972.43  743.86  2320.5  743.86 2652.78  742.19 3545.21  723.42
 3616.58  719.58 3707.28  716.14 3718.52  715.96 3918.93  716.67 4097.71  713.86
 4239.81   710.9 4392.38  706.52 4765.32  697.44 5219.83  690.89 5558.09  688.67
 5703.65   687.2 5862.03  680.49 5930.17  674.11 6291.14  672.82 6638.89  675.96
 6779.18  677.72 6998.34  665.44 7164.09   659.3 7234.99  653.16  7283.8  653.16
 7433.57  657.45 7650.19  667.51  7712.9  667.69 7841.82  670.52 8203.71  667.37
 8251.41   670.5 8405.37   678.1 8697.28  665.85  8711.3  664.33 8883.28  652.38
 9021.41   651.9 9274.64  663.29 9448.68  662.68    9631  649.77 9816.43  645.83
 9960.08  635.56 9977.24  635.2610066.56  622.9810234.15  604.5610291.24  604.56
10333.09  610.1610459.36  638.6310566.57  652.9810952.84  647.7611110.39  641.76
11165.99  637.1511377.98  634.2911629.36  638.6111928.48  634.56 12561.1  628.42
14018.02  628.4214257.81  624.5614874.23  624.5615348.46   630.715408.31  636.84
 15701.2  632.4115708.15  628.45 15814.4  626.5316470.96  600.05 17029.9  592.28
17118.95  585.4817432.49  583.1417513.38  576.3917640.68  567.5218125.11  567.52
 18252.5  571.6318374.64  592.2818460.72  608.9218479.16  611.1418710.53   627.6
19137.63  633.52 19560.1  634.3921609.52   629.321721.36   629.321944.11   630.2
22283.75  627.7123241.08  631.5823490.88  637.7225117.21  643.8625488.32  646.77
25899.02  651.2626530.31  665.4726747.69  666.1427829.29  666.1428445.88  662.28
28711.64  662.2829268.73  656.1429499.42  652.5729665.91  650.6229801.78  644.98
29946.02  645.5130231.36  652.7130543.59  655.3831609.29  672.1632253.94  675.31
33193.33  706.91 33331.8  707.5933930.61  687.35 33964.3  687.5135510.91  725.94
36523.45  727.6336715.08  731.3937056.59   746.937096.82  747.8237394.36  750.74
37716.22  761.9437869.66  765.4438621.16     79039296.52  794.0839637.09     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 17029.9     .1518374.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       17029.918374.64                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.85    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507827.00   247812.80   1812771.00
  E.G. Slope (ft/ft)      0.000078    Area (sq ft)            1507827.00   247812.80   1812771.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2761805.00   699106.20   3269089.00
  Top Width (ft)          36281.95    Top Width (ft)          15657.29    1344.74   19279.92
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.83       2.82       1.80
  Max Chl Dpth (ft)         192.27    Hydr. Depth (ft)           96.30     184.28      94.02
  Conv. Total (cfs)       764278400.0    Conv. (cfs)            313638600.0   79392540.0   371247200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15670.77    1347.40   19284.95
  Min Ch El (ft)            567.52    Shear (lb/sq ft)            0.47       0.89       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      0.85       2.51       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    84215.98   15647.52   101550.00
  C & E Loss (ft)             0.00    Cum SA (acres)            724.10      72.61     845.97


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275092.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  196.18  791.76  638.28  774.75 1344.72  761.07 1522.48  753.03
 1806.38  746.12 1972.87  743.85 2321.02  743.85 2653.37  742.18    3546  723.44
 3617.39  719.59  3708.1  716.15 3719.35  715.97  3919.8  716.67 4098.62  713.85
 4240.75  710.88 4393.36   706.5 4766.38  697.42 5220.99  690.87 5559.33  688.65
 5704.92  687.18 5863.33  680.47 5931.49  674.07 6292.54  672.79 6640.37  675.93
 6780.69   677.7  6999.9   665.4 7165.68  659.25  7236.6   653.1 7285.42   653.1
 7435.22  657.39  7651.9  667.45 7714.62  667.64 7843.57  670.49 8205.54  667.37
 8253.25  670.51 8407.24  678.16 8699.21  665.94 8713.24  664.42 8885.26  652.45
 9023.42  651.97 9276.71  663.39 9450.78  662.78 9633.15  649.85 9818.62  645.91
  9962.3  635.65 9979.46  635.35 10068.8  623.0510236.43   604.610293.53   604.6
10335.39  610.2110461.69  638.6810568.92  653.0510955.28  647.8211112.86  641.83
11168.48  637.2311380.51  634.3611631.95  638.6511931.14   634.612563.89  628.45
14021.14  628.4514260.98   624.614877.54   624.615351.88  630.7515411.75   636.9
15704.69  632.4615711.65  628.5115817.92  626.5916474.62  600.08 17033.7   592.3
17122.88  585.49 17436.9  583.1617517.92   576.417645.41  567.5218130.09  567.52
18257.65  571.6318379.96   592.318466.03  608.9118484.46  611.1418715.81  627.56
19142.86  633.4919565.28  634.3521614.48  629.25 21726.3  629.2521949.03  630.15
22288.63  627.6823245.85  631.5523495.62   637.725121.77  643.8525492.84  646.77
25903.49  651.2626534.72  665.4926752.07  666.1527833.55  666.1528450.07   662.3
 28715.8   662.329272.83  656.1529503.49  652.5829669.96  650.6129805.82  644.96
29950.04   645.530235.35   652.730547.54  655.3831613.12  672.1332257.71  675.28
33196.98  706.8333335.44   707.533934.19  687.3333967.87  687.4935514.31  725.85
36526.73  727.5636718.34  731.3337059.82  746.8337100.04  747.7537397.54  750.69
37719.37   761.937872.79   765.438624.21     79039299.49  794.0939640.02     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 17033.7     .1518379.96     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       17033.718379.96                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.85    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507841.00   248079.70   1813107.00
  E.G. Slope (ft/ft)      0.000078    Area (sq ft)            1507841.00   248079.70   1813107.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2760831.00   699680.30   3269489.00
```

```
  Top Width (ft)          36285.98    Top Width (ft)          15660.77    1346.26   19278.95
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.83       2.82       1.80
  Max Chl Dpth (ft)         192.27    Hydr. Depth (ft)           96.28     184.27      94.05
  Conv. Total (cfs)       764446400.0    Conv. (cfs)            313596900.0   79475190.0   371374300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15674.27    1348.92   19283.97
  Min Ch El (ft)            567.52    Shear (lb/sq ft)            0.47       0.89       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.85       2.51       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    84042.91   15619.06   101341.90
  C & E Loss (ft)             0.00    Cum SA (acres)            722.30      72.46     843.76


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275089.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  196.22  791.75  638.42  774.74 1345.02  761.07 1522.82  753.02
 1806.78  746.12  1973.3  743.84 2321.54  743.84 2653.96  742.17 3546.79  723.46
 3618.19  719.61 3708.93  716.16 3720.18  715.98 3920.67  716.66 4099.54  713.84
  4241.7  710.87 4394.33  706.48 4767.44   697.4 5222.16  690.86 5560.56  688.64
 5706.19  687.16 5864.64  680.44 5932.81  674.04 6293.94  672.76 6641.85  675.91
  6782.2  677.68 7001.46  665.36 7167.28   659.2 7238.21  653.04 7287.04  653.04
 7436.88  657.34  7653.6   667.4 7716.34   667.6 7845.31  670.46 8207.36  667.38
 8255.09  670.53 8409.12  678.21 8701.15  666.03 8715.18  664.51 8887.24  652.52
 9025.43  652.04 9278.77  663.48 9452.89  662.88 9635.29  649.92 9820.81  645.98
 9964.51  635.75 9981.68  635.4410071.04  623.1210238.71  604.6410295.82  604.64
10337.69  610.2610464.01  638.7310571.28  653.1210957.72  647.8811115.33   641.9
11170.96  637.3111383.05  634.4311634.54   638.7 11933.8  634.6412566.69  628.48
14024.26  628.4814264.16  624.6414880.86  624.64 15355.3   630.815415.18  636.96
15708.19  632.5215715.14  628.5715821.45  626.6516478.29   600.117037.49  592.32
17126.81   585.517441.31  583.1717522.46  576.4117650.14  567.5218135.06  567.52
 18262.8  571.6218385.27  592.3218471.33  608.9118489.77  611.1318721.09  627.52
 19148.1  633.4519570.46  634.3121619.43   629.221731.24   629.221953.94   630.1
22293.51  627.6423250.62  631.5223500.37  637.6825126.33  643.8425497.36  646.76
25907.96  651.2526539.12   665.526756.45  666.1627837.81  666.1628454.26  662.32
28719.96  662.3229276.92  656.1629507.56  652.5829674.01  650.6129809.86  644.95
29954.06  645.4830239.34  652.69 30551.5  655.3731616.96  672.1132261.47  675.26
33200.64  706.7433339.09  707.4233937.76  687.3133971.44  687.4735517.71  725.76
36530.02  727.4936721.61  731.2637063.04  746.7637103.26  747.6837400.73  750.65
37722.52  761.8537875.93  765.3638627.26     79039302.46  794.0939642.96     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517037.49     .1518385.27     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17037.4918385.27                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.85    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507845.00   248348.90   1813464.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1507845.00   248348.90   1813464.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2759812.00   700264.40   3269924.00
  Top Width (ft)          36290.23    Top Width (ft)          15664.28    1347.78   19278.17
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.83       2.82       1.80
  Max Chl Dpth (ft)         192.27    Hydr. Depth (ft)           96.26     184.27      94.07
  Conv. Total (cfs)       764616500.0    Conv. (cfs)            313551000.0   79559250.0   371506300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15677.80    1350.44   19283.18
  Min Ch El (ft)            567.52    Shear (lb/sq ft)            0.47       0.89       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.85       2.51       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    83869.83   15590.57   101133.70
  C & E Loss (ft)             0.00    Cum SA (acres)            720.50      72.30     841.55


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275086.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  196.27  791.75  638.56  774.72 1345.32  761.06 1523.16  753.01
 1807.18  746.11 1973.74  743.83 2322.05  743.83 2654.55  742.16 3547.58  723.47
    3619  719.62 3709.75  716.17 3721.01  715.99 3921.55  716.66 4100.45  713.83
 4242.64  710.85 4395.31  706.47  4768.5  697.38 5223.32  690.84  5561.8  688.62
 5707.46  687.14 5865.95  680.41 5934.13     674 6295.34  672.72 6643.33  675.89
 6783.71  677.66 7003.01  665.32 7168.87  659.15 7239.83  652.98 7288.66  652.98
 7438.53  657.29  7655.3  667.35 7718.06  667.55 7847.06  670.44 8209.19  667.39
 8256.92  670.55 8410.99  678.27 8703.09  666.11 8717.12   664.6 8889.22  652.59
 9027.44  652.12 9280.84  663.58 9454.99  662.97 9637.44     650 9822.99  646.06
 9966.73  635.84  9983.9  635.5310073.28  623.1910240.99  604.6810298.12  604.68
10339.99  610.3110466.34  638.7710573.63  653.1910960.16  647.9411117.81  641.97
11173.45  637.3811385.58   634.511637.13  638.7511936.45  634.6812569.49  628.51
14027.38  628.5114267.33  624.6814884.17  624.6815358.71  630.8515418.61  637.02
15711.69  632.5715718.64  628.6315824.97  626.7116481.96  600.1317041.28  592.34
17130.74  585.5117445.73  583.1917526.99  576.4217654.88  567.5218140.04  567.52
18267.95  571.6218390.59  592.3418476.64  608.9118495.07  611.1318726.37  627.49
19153.33  633.4219575.65  634.2721624.39  629.1521736.19  629.1521958.86  630.05
22298.38   627.623255.39  631.4923505.11  637.6625130.89  643.8325501.88  646.76
25912.44  651.2526543.52  665.5126760.83  666.1727842.07  666.1728458.45  662.34
28724.12  662.3429281.02  656.1729511.63  652.5929678.06  650.6129813.89  644.94
29958.08  645.4730243.32  652.6830555.45  655.3631620.79  672.0832265.23  675.24
 33204.3  706.6533342.73  707.3333941.34  687.2933975.01  687.45 35521.1  725.68
 36533.3  727.4236724.87   731.237066.26  746.6937106.48  747.6137403.92   750.6
37725.67   761.837879.06  765.32 38630.3     79039305.43   794.139645.89     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517041.28     .1518390.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17041.2818390.59                5       5       5             .1       .3
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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.85    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507856.00   248617.30   1813796.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1507856.00   248617.30   1813796.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2758833.00   700848.40   3270319.00
  Top Width (ft)          36294.73    Top Width (ft)          15667.98    1349.31   19277.44
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.83       2.82       1.80
  Max Chl Dpth (ft)         192.27    Hydr. Depth (ft)           96.24     184.26      94.09
  Conv. Total (cfs)       764777200.0    Conv. (cfs)            313505500.0   79642330.0   371629300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15681.51    1351.97   19282.44
  Min Ch El (ft)            567.52    Shear (lb/sq ft)           0.46       0.89       0.45
  Alpha                       1.06    Stream Power (lb/ft s)     0.85       2.51       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    83696.75   15562.05   100925.60
  C & E Loss (ft)             0.00    Cum SA (acres)            718.70      72.15     839.33


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275083.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  196.31  791.75  638.71  774.71 1345.62  761.06 1523.49     753
 1807.58   746.1 1974.18  743.82 2322.57  743.82 2655.14  742.14 3548.37  723.49
  3619.8  719.64 3710.58  716.18 3721.83     716 3922.42  716.65 4101.36  713.82
 4243.59  710.84 4396.29  706.45 4769.56  697.36 5224.48  690.83 5563.04   688.6
 5708.73  687.13 5867.25  680.39 5935.45  673.96 6296.74  672.69 6644.81  675.86
 6785.22  677.64 7004.57  665.28 7170.47   659.1 7241.44  652.92 7290.29  652.92
 7440.19  657.23 7657.01  667.29 7719.78  667.51 7848.81  670.41 8211.02  667.39
 8258.76  670.57 8412.86  678.33 8705.02   666.2 8719.06  664.69  8891.2  652.67
 9029.45  652.19  9282.9  663.67 9457.09  663.07 9639.58  650.08 9825.18  646.13
 9968.95  635.93 9986.12  635.6210075.52  623.2610243.27  604.7210300.41  604.72
10342.29  610.3610468.67  638.8210575.98  653.26 10962.6     64811120.28  642.04
11175.94  637.4611388.12  634.5711639.72  638.7911939.11  634.7212572.29  628.54
 14030.5  628.5414270.51  624.7214887.48  624.7215362.13   630.915422.04  637.08
15715.18  632.6215722.14   628.715828.49  626.7716485.63  600.1617045.07  592.36
17134.67  585.5217450.14  583.2117531.53  576.4317659.61  567.5218145.02  567.52
18273.11  571.6118395.91  592.3618481.95  608.9118500.38  611.1318731.65  627.45
19158.56  633.3819580.83  634.2221629.34   629.121741.13   629.121963.78  630.01
22303.26  627.5723260.16  631.4623509.86  637.6425135.45  643.82 25506.4  646.75
25916.91  651.2526547.93  665.5226765.21  666.1827846.33  666.1828462.64  662.36
28728.28  662.3629285.12  656.18 29515.7  652.5929682.12  650.6129817.93  644.93
 29962.1  645.4530247.31  652.6830559.41  655.3531624.62  672.0532268.99  675.21
33207.96  706.5733346.37  707.2533944.91  687.2733978.58  687.43 35524.5  725.59
36536.58  727.3536728.13  731.1437069.49  746.62 37109.7  747.54 37407.1  750.55
37728.82  761.7637882.19  765.2838633.36     79039308.41  794.1139648.83     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517045.07     .1518395.91     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17045.0718395.91                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.85    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507871.00   248886.80   1814154.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1507871.00   248886.80   1814154.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2757827.00   701422.80   3270751.00
  Top Width (ft)          36298.79    Top Width (ft)          15671.49    1350.84   19276.46
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.83       2.82       1.80
  Max Chl Dpth (ft)         192.27    Hydr. Depth (ft)           96.22     184.25      94.11
  Conv. Total (cfs)       764954000.0    Conv. (cfs)            313463700.0   79726020.0   371764300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15685.03    1353.51   19281.46
  Min Ch El (ft)            567.52    Shear (lb/sq ft)           0.46       0.89       0.45
  Alpha                       1.06    Stream Power (lb/ft s)     0.85       2.50       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    83523.67   15533.50   100717.30
  C & E Loss (ft)             0.00    Cum SA (acres)            716.90      71.99     837.12


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275080.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  196.36  791.74  638.85   774.7 1345.91  761.06 1523.83  752.99
 1807.98   746.1 1974.62  743.81 2323.09  743.81 2655.73  742.13 3549.16  723.51
 3620.61  719.65 3711.41  716.19 3722.66  716.01 3923.29  716.64 4102.27  713.81
 4244.53  710.82 4397.27  706.43 4770.62  697.34 5225.64  690.81 5564.28  688.58
    5710  687.11 5868.56  680.36 5936.77  673.93 6298.14  672.66 6646.29  675.84
 6786.73  677.62 7006.13  665.24 7172.07  659.05 7243.05  652.86 7291.91  652.86
 7441.85  657.18 7658.71  667.24 7721.49  667.46 7850.55  670.38 8212.84   667.4
  8260.6  670.58 8414.73  678.38 8706.96  666.29    8721  664.78 8893.18  652.74
 9031.46  652.26 9284.97  663.77  9459.2  663.17 9641.73  650.16 9827.37   646.2
 9971.17  636.02 9988.35  635.7110077.77  623.3310245.54  604.76 10302.7  604.76
 10344.6  610.41   10471  638.8710578.34  653.3310965.04  648.0611122.76   642.1
11178.42  637.5411390.65  634.6511642.31  638.8411941.77  634.7612575.08  628.57
14033.63  628.5714273.69  624.7614890.79  624.7615365.55  630.9515425.47  637.14
15718.68  632.6815725.64  628.7615832.01  626.83 16489.3  600.1817048.87  592.38
 17138.6  585.5317454.55  583.2317536.07  576.4417664.35  567.52   18150  567.52
18278.26  571.6118401.22  592.3818487.25  608.9118505.68  611.1218736.93  627.42
19163.79  633.3519586.02  634.18 21634.3  629.0521746.07  629.05 21968.7  629.96
22308.14  627.5323264.94  631.43 23514.6  637.6225140.02  643.8125510.92  646.75
25921.38  651.2426552.33  665.5326769.59  666.1927850.58  666.1928466.83  662.38
28732.44  662.3829289.21  656.1929519.77  652.5929686.17  650.6129821.97  644.91
29966.12  645.44 30251.3  652.6730563.36  655.3531628.46  672.0232272.75  675.19
33211.61  706.4833350.01  707.1633948.48  687.2533982.15  687.41 35527.9   725.5
36539.87  727.2836731.39  731.0837072.71  746.5537112.92  747.4737410.29   750.5
37731.97  761.7137885.32  765.24 38636.4     79039311.38  794.1139651.77     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517048.87     .1518401.22     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17048.8718401.22                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.85    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507882.00   249151.70   1814504.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1507882.00   249151.70   1814504.00
  Q Total (cfs)           6730000.00    Flow (cfs)            2756842.00   701990.50   3271168.00
  Top Width (ft)          36303.10    Top Width (ft)          15675.02    1352.35   19275.73
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.83       2.82       1.80
  Max Chl Dpth (ft)         192.27    Hydr. Depth (ft)           96.20     184.24      94.13
  Conv. Total (cfs)       765121500.0    Conv. (cfs)            313420300.0   79808030.0   371893200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15688.57    1355.02   19280.71
  Min Ch El (ft)            567.52    Shear (lb/sq ft)            0.46       0.89       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.85       2.50       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    83350.59   15504.91   100509.10
  C & E Loss (ft)             0.00    Cum SA (acres)            715.10      71.84     834.91


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275077.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   196.4  791.74  638.99  774.69 1346.21  761.06 1524.17  752.99
 1808.39  746.09 1975.06   743.8  2323.6   743.8 2656.32  742.12 3549.95  723.53
 3621.41  719.67 3712.23   716.2 3723.49  716.02 3924.17  716.64 4103.19   713.8
 4245.48  710.81 4398.25  706.42 4771.68  697.32 5226.81   690.8 5565.52  688.56
 5711.27  687.09 5869.86  680.33  5938.1  673.89 6299.54  672.62 6647.77  675.82
 6788.24   677.6 7007.69   665.2 7173.66     659 7244.66   652.8 7293.53   652.8
  7443.5  657.13 7660.42  667.19 7723.21  667.41  7852.3  670.36 8214.67  667.41
 8262.44   670.6  8416.6  678.44  8708.9  666.38 8722.94  664.86 8895.16  652.81
 9033.47  652.33 9287.03  663.86  9461.3  663.26 9643.87  650.24 9829.55  646.28
 9973.39  636.11 9990.57   635.810080.01   623.410247.82   604.810304.99   604.8
 10346.9  610.4510473.33  638.9110580.69   653.410967.48  648.1211125.23  642.17
11180.91  637.6111393.19  634.72 11644.9  638.8911944.42   634.812577.88   628.6
14036.75   628.614276.86   624.814894.11   624.815368.97     631 15428.9   637.2
15722.18  632.7315729.14  628.8215835.54  626.8916492.97  600.2117052.66   592.4
17142.53  585.5517458.96  583.2417540.61  576.4517669.08  567.5218154.98  567.52
18283.41  571.6118406.54   592.418492.56  608.9118510.99  611.1218742.21  627.38
19169.02  633.31 19591.2  634.1421639.25     62921751.01     62921973.61  629.91
22313.02  627.4923269.71   631.423519.34   637.625144.58   643.825515.44  646.74
25925.86  651.2426556.73  665.5426773.97   666.227854.84   666.228471.02   662.4
 28736.6   662.429293.31   656.229523.84   652.629690.22  650.61   29826   644.9
29970.14  645.4330255.29  652.6630567.31  655.3431632.29  671.9932276.52  675.16
33215.27  706.3933353.65  707.0833952.06  687.2333985.72  687.39 35531.3  725.41
36543.15   727.236734.66  731.0137075.94  746.4837116.14   747.437413.48  750.45
37735.12  761.6737888.46   765.238639.45     79039314.36  794.12 39654.7     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517052.66     .1518406.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17052.6618406.54                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.85    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507883.00   249419.40   1814872.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1507883.00   249419.40   1814872.00
  Q Total (cfs)           6730000.00    Flow (cfs)            2755804.00   702558.50   3271637.00
  Top Width (ft)          36307.13    Top Width (ft)          15678.50    1353.88   19274.75
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.83       2.82       1.80
  Max Chl Dpth (ft)         192.27    Hydr. Depth (ft)           96.18     184.23      94.16
  Conv. Total (cfs)       765297000.0    Conv. (cfs)            313374300.0   79890930.0   372031800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15692.06    1356.55   19279.72
  Min Ch El (ft)            567.52    Shear (lb/sq ft)            0.46       0.89       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.85       2.50       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    83177.52   15476.30   100300.80
  C & E Loss (ft)             0.00    Cum SA (acres)            713.31      71.68     832.69


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275074.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   196.44  791.73  639.13  774.67 1346.51  761.05 1524.51  752.98
 1808.79  746.09  1975.5  743.79 2324.12  743.79 2656.91  742.11 3550.74  723.54
 3622.22  719.69 3713.06  716.21 3724.32  716.03 3925.04  716.63  4104.1  713.79
 4246.42   710.8 4399.23   706.4 4772.75  697.31 5227.97  690.78 5566.75  688.54
 5712.54  687.07 5871.17   680.3 5939.42  673.86 6300.95  672.59 6649.24  675.79
 6789.75  677.58 7009.25  665.16 7175.26  658.95 7246.27  652.74 7295.15  652.74
 7445.16  657.07 7662.12  667.13 7724.93  667.37 7854.05  670.33  8216.5  667.41
 8264.28  670.62 8418.48   678.5 8710.84  666.47 8724.88  664.95 8897.13  652.88
 9035.47  652.41  9289.1  663.96 9463.41  663.36 9646.02  650.32 9831.74  646.35
 9975.61   636.2 9992.79  635.8910082.25  623.47 10250.1  604.8410307.28  604.84
 10349.2   610.510475.66  638.9610583.04  653.4710969.92  648.1911127.71  642.24
 11183.4  637.6911395.72  634.7911647.49  638.9311947.08  634.8412580.68  628.63
14039.87  628.6314280.04  624.8414897.42  624.8415372.39  631.0515432.34  637.26
15725.68  632.7815732.64  628.8815839.06  626.9616496.63  600.2317056.45  592.42
17146.46  585.5617463.38  583.2617545.14  576.4617673.81  567.5218159.96  567.52
18288.56   571.618411.86  592.4218497.87   608.918516.29  611.1218747.49  627.34
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19174.25  633.2819596.38   634.121644.21  628.9521755.96  628.9521978.53  629.86
 22317.9  627.4623274.48  631.3723524.09  637.5825149.14  643.7925519.96  646.74
25930.33  651.2426561.14  665.5626778.35  666.21 27859.1  666.21 28475.2  662.42
28740.75  662.4229297.41  656.2129527.91   652.629694.27   650.629830.04  644.89
29974.16  645.4130259.28  652.6630571.27  655.3331636.13  671.9632280.28  675.14
33218.93  706.3133357.29  706.9933955.63   687.233989.29  687.3735534.69  725.32
36546.43  727.1336737.92  730.9537079.16  746.4137119.36  747.3337416.66  750.41
37738.27  761.6237891.59  765.16 38642.5     79039317.33  794.1339657.64     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517056.45     .1518411.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17056.4518411.86                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.85    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507892.00   249689.00   1815208.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1507892.00   249689.00   1815208.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2754812.00   703145.40   3272042.00
  Top Width (ft)          36311.57    Top Width (ft)          15682.19    1355.41   19273.96
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.83       2.82       1.80
  Max Chl Dpth (ft)         192.27    Hydr. Depth (ft)           96.15     184.22      94.18
  Conv. Total (cfs)       765459300.0    Conv. (cfs)             313327900.0   79974620.0   372156800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15695.77    1358.08   19278.93
  Min Ch El (ft)            567.52    Shear (lb/sq ft)            0.46       0.89       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.85       2.50       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    83004.44   15447.66   100092.50
  C & E Loss (ft)             0.00    Cum SA (acres)            711.51      71.53     830.48


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275072.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  196.49  791.73  639.27  774.66 1346.81  761.05 1524.85  752.97
 1809.19  746.08 1975.94  743.78 2324.64  743.78  2657.5  742.09 3551.53  723.56
 3623.02   719.7 3713.88  716.22 3725.15  716.04 3925.91  716.63 4105.01  713.78
 4247.36  710.78  4400.2  706.38 4773.81  697.29 5229.13  690.77 5567.99  688.52
 5713.81  687.05 5872.47  680.28 5940.74  673.82 6302.35  672.56 6650.72  675.77
 6791.26  677.56 7010.81  665.12 7176.85   658.9 7247.88  652.68 7296.77  652.68
 7446.81  657.02 7663.82  667.08 7726.65  667.32 7855.79   670.3 8218.33  667.42
 8266.11  670.63 8420.35  678.55 8712.77  666.56 8726.82  665.04 8899.11  652.95
 9037.48  652.48 9291.17  664.05 9465.51  663.46 9648.16  650.39 9833.92  646.43
 9977.82  636.29 9995.01  635.9810084.49  623.5410252.38  604.8810309.58  604.88
 10351.5  610.5510477.99  639.01 10585.4  653.5410972.36  648.2511130.18  642.31
11185.89  637.7711398.25  634.8611650.08  638.9811949.74  634.8812583.48  628.66
14042.99  628.6614283.21  624.8814900.73  624.8815375.81   631.115435.77  637.32
15729.17  632.8315736.14  628.9515842.58  627.02 16500.3  600.2617060.25  592.44
17150.39  585.5717467.79  583.2817549.68  576.4717678.55  567.5218164.94  567.52
18293.71   571.618417.17  592.4418503.18   608.9 18521.6  611.1218752.77  627.31
19179.48  633.2419601.57  634.0621649.16   628.9 21760.9   628.921983.45  629.81
22322.78  627.4223279.25  631.3423528.83  637.56 25153.7  643.7825524.48  646.73
25934.81  651.2326565.54  665.5726782.72  666.2227863.36  666.2228479.39  662.44
28744.91  662.44 29301.5  656.2229531.98  652.6129698.32   650.629834.08  644.87
29978.18   645.430263.27  652.6530575.22  655.3231639.96  671.9332284.04  675.12
33222.58  706.2233360.93   706.933959.21  687.1833992.86  687.3535538.09  725.24
36549.72  727.0636741.18  730.8937082.38  746.3437122.58  747.2737419.85  750.36
37741.42  761.5837894.72  765.1238645.55     790 39320.3  794.1339660.57     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517060.25     .1518417.17     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17060.2518417.17                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.85    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507904.00   249953.50   1815553.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1507904.00   249953.50   1815553.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2753828.00   703709.10   3272463.00
  Top Width (ft)          36315.63    Top Width (ft)          15685.71    1356.92   19272.99
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.83       2.82       1.80
  Max Chl Dpth (ft)         192.27    Hydr. Depth (ft)           96.13     184.21      94.20
  Conv. Total (cfs)       765629100.0    Conv. (cfs)             313285400.0   80056480.0   372287100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15699.29    1359.59   19277.95
  Min Ch El (ft)            567.52    Shear (lb/sq ft)            0.46       0.89       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.85       2.50       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    82831.35   15418.98   99884.08
  C & E Loss (ft)             0.00    Cum SA (acres)            709.71      71.37     828.27


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275069.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  196.53  791.72  639.42  774.65 1347.11  761.05 1525.19  752.96
 1809.59  746.07 1976.38  743.77 2325.15  743.77 2658.09  742.08 3552.32  723.58
 3623.83  719.72 3714.71  716.23 3725.98  716.05 3926.78  716.62 4105.92  713.77
 4248.31  710.77 4401.18  706.37 4774.87  697.27 5230.29  690.75 5569.23  688.51
 5715.08  687.03 5873.78  680.25 5942.06  673.78 6303.75  672.52  6652.2  675.75
 6792.77  677.54 7012.37  665.08 7178.45  658.85 7249.49  652.62  7298.4  652.62
 7448.47  656.97 7665.53  667.03 7728.37  667.28 7857.54  670.27 8220.15  667.43
 8267.95  670.65 8422.22  678.61 8714.71  666.64 8728.76  665.13 8901.09  653.02
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 9039.49  652.55 9293.23  664.15 9467.62  663.55 9650.31  650.47 9836.11   646.5
 9980.04  636.38 9997.24  636.0710086.73  623.6110254.66  604.9210311.87  604.92
 10353.8   610.610480.32  639.0510587.75  653.61 10974.8  648.3111132.66  642.38
11188.37  637.8411400.79  634.9311652.67  639.0211952.39  634.9212586.27  628.69
14046.12  628.6914286.39  624.9214904.05  624.9215379.23  631.15 15439.2  637.38
15732.67  632.8915739.63  629.01 15846.1  627.0816503.97  600.2817064.04  592.46
17154.32  585.5817472.21   583.317554.22  576.4817683.28  567.5118169.92  567.51
18298.86  571.5918422.49  592.4618508.48   608.918526.91  611.1118758.05  627.27
19184.72  633.2119606.75  634.0221654.12  628.8521765.84  628.8521988.36  629.76
22327.66  627.3923284.02  631.3123533.57  637.5425158.26  643.77   25529  646.73
25939.28  651.2326569.94  665.58 26787.1  666.2327867.62  666.2328483.58  662.46
28749.07  662.46 29305.6  656.2329536.05  652.6129702.38   650.629838.11  644.86
29982.21  645.3830267.26  652.6430579.17  655.32 31643.8   671.9 32287.8  675.09
33226.24  706.1333364.57  706.8233962.78  687.1633996.43  687.3335541.49  725.15
   36553  726.9936744.44  730.8237085.61  746.27 37125.8   747.237423.04  750.31
37744.57  761.5337897.86  765.08 38648.6     79039323.27  794.14 39663.5     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517064.04     .1518422.49     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17064.0418422.49                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.85    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507920.00   250229.10   1815900.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1507920.00   250229.10   1815900.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2752838.00   704312.80   3272849.00
  Top Width (ft)          36319.92    Top Width (ft)          15689.22    1358.45   19272.25
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.83       2.81       1.80
  Max Chl Dpth (ft)         192.28    Hydr. Depth (ft)           96.11     184.20      94.22
  Conv. Total (cfs)       765802700.0    Conv. (cfs)             313243800.0   80143340.0   372415600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15702.82    1361.13   19277.20
  Min Ch El (ft)            567.51    Shear (lb/sq ft)            0.46       0.89       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.85       2.49       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    82658.27   15390.27   99675.66
  C & E Loss (ft)             0.00    Cum SA (acres)            707.90      71.22     826.06


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275066.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  196.57  791.72  639.56  774.64 1347.41  761.04 1525.53  752.95
    1810  746.07 1976.82  743.76 2325.67  743.76 2658.69  742.07 3553.11  723.59
 3624.64  719.73 3715.53  716.24  3726.8  716.06 3927.66  716.62 4106.84  713.76
 4249.25  710.75 4402.16  706.35 4775.93  697.25 5231.46  690.74 5570.47  688.49
 5716.35  687.01 5875.08  680.22 5943.38  673.75 6305.15  672.49 6653.68  675.73
 6794.28  677.52 7013.92  665.04 7180.04   658.8 7251.11  652.56 7300.02  652.56
 7450.12  656.92 7667.23  666.98 7730.08  667.23 7859.29  670.25 8221.98  667.43
 8269.79  670.67 8424.09  678.67 8716.65  666.73 8730.71  665.22 8903.07  653.09
  9041.5  652.62  9295.3  664.24 9469.72  663.65 9652.45  650.55  9838.3  646.58
 9982.26  636.47 9999.46  636.1610088.98  623.6810256.94  604.9610314.16  604.96
 10356.1  610.6510482.65   639.1 10590.1  653.6810977.24  648.3711135.13  642.45
11190.86  637.9211403.32  635.0111655.26  639.0711955.05  634.9612589.07  628.72
14049.24  628.7214289.56  624.9614907.36  624.9615382.64   631.215442.63  637.44
15736.17  632.9415743.13  629.0715849.62  627.1416507.64  600.3117067.83  592.48
17158.25  585.5917476.62  583.3217558.76  576.4917688.02  567.51 18174.9  567.51
18304.01  571.5918427.81  592.4818513.79   608.918532.21  611.1118763.33  627.23
19189.95  633.1719611.94  633.9721659.07   628.821770.78   628.821993.28  629.71
22332.54  627.3523288.79  631.2823538.32  637.5225162.82  643.7625533.52  646.72
25943.76  651.2326574.35  665.5926791.48  666.2427871.87  666.2428487.77  662.48
28753.23  662.48 29309.7  656.2429540.12  652.6229706.43   650.629842.15  644.85
29986.23  645.3730271.25  652.6430583.13  655.3131647.63  671.8732291.56  675.07
 33229.9  706.0533368.21  706.7333966.36  687.14   34000  687.3135544.88  725.06
36556.29  726.92 36747.7  730.7637088.83   746.237129.02  747.1337426.22  750.26
37747.72  761.4837900.99  765.0438651.65     79039326.25  794.1539666.44     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517067.83     .1518427.81     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17067.8318427.81                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.85    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507918.00   250497.00   1816260.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1507918.00   250497.00   1816260.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2751805.00   704888.80   3273306.00
  Top Width (ft)          36324.40    Top Width (ft)          15692.92    1359.98   19271.51
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.82       2.81       1.80
  Max Chl Dpth (ft)         192.28    Hydr. Depth (ft)           96.09     184.19      94.25
  Conv. Total (cfs)       765968500.0    Conv. (cfs)             313194100.0   80226240.0   372548200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15706.53    1362.66   19276.44
  Min Ch El (ft)            567.51    Shear (lb/sq ft)            0.46       0.89       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.84       2.49       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    82485.18   15361.54   99467.20
  C & E Loss (ft)             0.00    Cum SA (acres)            706.10      71.06     823.85


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275063.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
```

```
       0     800  196.62  791.71   639.7  774.62 1347.71  761.04 1525.87  752.95
  1810.4  746.06 1977.26  743.75 2326.19  743.75 2659.28  742.05  3553.9  723.61
 3625.44  719.75 3716.36  716.25 3727.63  716.07 3928.53  716.61 4107.75  713.75
  4250.2  710.74 4403.14  706.33 4776.99  697.23 5232.62  690.72 5571.71  688.47
 5717.62  686.99 5876.39   680.2  5944.7  673.71 6306.55  672.46 6655.16   675.7
 6795.79   677.5 7015.48     665 7181.64  658.75 7252.72   652.5 7301.64   652.5
 7451.78  656.86 7668.93  666.92  7731.8  667.19 7861.03  670.22 8223.81  667.44
 8271.63  670.69 8425.96  678.72 8718.58  666.82 8732.65  665.31 8905.05  653.17
 9043.51   652.7 9297.36  664.34 9471.83  663.75  9654.6  650.63 9840.48  646.65
 9984.48  636.5610001.68  636.2510091.22  623.7510259.22     60510316.45     605
 10358.4   610.710484.98  639.1510592.46  653.7510979.68  648.4311137.61  642.51
11193.35     63811405.86  635.0811657.85  639.1211957.71     63512591.87  628.75
14052.36  628.7514292.74     62514910.67     62515386.06  631.2515446.06   637.5
15739.66  632.9915746.63  629.1415853.15   627.216511.31  600.3417071.62   592.5
17162.18   585.617481.03  583.3317563.29   576.517692.75  567.5118179.88  567.51
18309.17  571.5818433.12   592.5 18519.1   608.918537.52  611.1118768.61   627.2
19195.18  633.1419617.12  633.9321664.02  628.7521775.72  628.75 21998.2  629.67
22337.42  627.3123293.57  631.2523543.06   637.525167.38  643.7525538.04  646.72
25948.23  651.2226578.75   665.626795.86  666.2527876.13  666.2528491.96   662.5
28757.39   662.529313.79  656.2529544.19  652.6229710.48   650.629846.19  644.84
29990.25  645.3530275.23  652.6330587.08   655.331651.46  671.8432295.33  675.05
33233.55  705.9633371.86  706.6533969.93  687.1234003.57  687.2935548.28  724.97
36559.57  726.8536750.97   730.737092.05  746.1337132.24  747.0637429.41  750.22
37750.87  761.4437904.12     765 38654.7     79039329.22  794.1539669.38     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517071.62     .1518433.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17071.6218433.12                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.85    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507929.00   250766.60   1816606.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1507929.00   250766.60   1816606.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2750809.00   705469.00   3273722.00
  Top Width (ft)          36328.38    Top Width (ft)          15696.39    1361.50   19270.49
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.82       2.81       1.80
  Max Chl Dpth (ft)         192.28    Hydr. Depth (ft)           96.07     184.18      94.27
  Conv. Total (cfs)       766141500.0    Conv. (cfs)             313151400.0   80310420.0   372679700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15710.01    1364.18   19275.42
  Min Ch El (ft)            567.51    Shear (lb/sq ft)            0.46       0.89       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.84       2.49       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    82312.09   15332.77   99258.70
  C & E Loss (ft)             0.00    Cum SA (acres)            704.30      70.90     821.63


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275060.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  196.66  791.71  639.84  774.61 1348.01  761.04 1526.21  752.94
  1810.8  746.05  1977.7  743.74  2326.7  743.74 2659.87  742.04 3554.69  723.63
 3626.25  719.76 3717.19  716.26 3728.46  716.08  3929.4  716.61 4108.66  713.74
 4251.14  710.72 4404.12  706.32 4778.05  697.21 5233.78  690.71 5572.94  688.45
 5718.89  686.98  5877.7  680.17 5946.02  673.67 6307.95  672.42 6656.64  675.68
  6797.3  677.48 7017.04  664.96 7183.24   658.7 7254.33  652.44 7303.26  652.44
 7453.44  656.81 7670.64  666.87 7733.52  667.14 7862.78  670.19 8225.64  667.45
 8273.46   670.7 8427.84  678.78 8720.52  666.91 8734.59   665.4 8907.03  653.24
 9045.52  652.77 9299.43  664.43 9473.93  663.84 9656.74  650.71 9842.67  646.73
  9986.7  636.65 10003.9  636.3410093.46  623.82 10261.5  605.0410318.75  605.04
10360.71  610.7510487.31  639.1910594.81  653.8210982.12  648.4911140.08  642.58
11195.83  638.0711408.39  635.1511660.44  639.1611960.36  635.0412594.67  628.78
14055.48  628.7814295.92  625.0414913.98  625.0415389.48   631.3 15449.5  637.56
15743.16  633.0515750.13   629.215856.67  627.2616514.98  600.3617075.42  592.52
17166.11  585.6217485.45  583.3517567.83  576.5117697.48  567.5118184.85  567.51
18314.32  571.5818438.44  592.5218524.41   608.918542.82   611.118773.89  627.16
19200.41   633.119622.31  633.8921668.98   628.721780.66   628.722003.12  629.62
 22342.3  627.2823298.34  631.22 23547.8  637.4825171.95  643.7425542.56  646.71
 25952.7  651.2226583.15  665.6126800.24  666.2627880.39  666.2628496.15  662.52
28761.55  662.5229317.89  656.2629548.26  652.6229714.53   650.629850.22  644.82
29994.27  645.3430279.22  652.6230591.04  655.29 31655.3  671.8132299.09  675.02
33237.21  705.87 33375.5  706.56 33973.5   687.134007.14  687.2735551.68  724.88
36562.85  726.7836754.23  730.6437095.28  746.0637135.46  746.9937432.59  750.17
37754.02  761.3937907.26  764.9638657.74     790 39332.2  794.1639672.31     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517075.42     .1518438.44     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17075.4218438.44                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.85    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507944.00   251030.70   1816967.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1507944.00   251030.70   1816967.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2749821.00   706023.50   3274156.00
  Top Width (ft)          36332.68    Top Width (ft)          15699.91    1363.02   19269.74
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.82       2.81       1.80
  Max Chl Dpth (ft)         192.28    Hydr. Depth (ft)           96.05     184.17      94.29
  Conv. Total (cfs)       766314400.0    Conv. (cfs)             313109600.0   80391680.0   372813200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15713.55    1365.70   19274.66
  Min Ch El (ft)            567.51    Shear (lb/sq ft)            0.46       0.89       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.84       2.49       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    82139.01   15303.97   99050.16
  C & E Loss (ft)             0.00    Cum SA (acres)            702.50      70.75     819.42


CROSS SECTION
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RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275057.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  196.71   791.7  639.99   774.6 1348.31  761.04 1526.55  752.93
  1811.2  746.05 1978.14  743.73 2327.22  743.73 2660.46  742.03 3555.48  723.64
 3627.05  719.78 3718.01  716.27 3729.29  716.09 3930.27   716.6 4109.58  713.73
 4252.09  710.71  4405.1   706.3 4779.11  697.19 5234.94  690.69 5574.18  688.43
 5720.16  686.96    5879  680.14 5947.34  673.64 6309.35  672.39 6658.12  675.66
 6798.81  677.46  7018.6  664.92 7184.83  658.65 7255.94  652.38 7304.89  652.38
 7455.09  656.76 7672.34  666.82 7735.24  667.09 7864.53  670.16 8227.46  667.45
  8275.3  670.72 8429.71  678.84 8722.46     667 8736.53  665.48 8909.01  653.31
 9047.53  652.84 9301.49  664.53 9476.03  663.94 9658.89  650.79 9844.86   646.8
 9988.92  636.7410006.12  636.43 10095.7  623.8910263.78  605.0810321.04  605.08
10363.01   610.810489.64  639.2410597.16  653.8910984.55  648.5611142.56  642.65
11198.32  638.1511410.92  635.2211663.03  639.2111963.02  635.0812597.46  628.81
 14058.6  628.8114299.09  625.08 14917.3  625.08 15392.9  631.3515452.93  637.62
15746.66   633.115753.63  629.2615860.19  627.3216518.65  600.3917079.21  592.54
17170.04  585.6317489.86  583.3717572.37  576.5217702.22  567.5118189.83  567.51
18319.47  571.5818443.76  592.5418529.71  608.8918548.13   611.118779.17  627.12
19205.64  633.0719627.49  633.8521673.93  628.6521785.61  628.6522008.03  629.57
22347.18  627.2423303.11  631.1923552.55  637.4625176.51  643.7325547.08  646.71
25957.18  651.2226587.56  665.6326804.62  666.2727884.65  666.2728500.34  662.54
28765.71  662.5429321.99  656.2729552.33  652.6329718.58  650.5929854.26  644.81
29998.29  645.3330283.21  652.6130594.99  655.2931659.13  671.7932302.85     675
33240.87  705.7933379.14  706.4833977.08  687.0834010.71  687.2535555.07   724.8
36566.14   726.736757.49  730.57 37098.5  745.9937138.68  746.9237435.78  750.12
37757.17  761.3537910.39  764.9238660.79     79039335.17  794.1739675.25     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517079.21     .1518443.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17079.2118443.76                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.85    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507948.00   251298.50   1817283.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1507948.00   251298.50   1817283.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2748855.00   706605.10   3274540.00
  Top Width (ft)          36336.73    Top Width (ft)          15703.42    1364.55   19268.76
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.82       2.81       1.80
  Max Chl Dpth (ft)         192.28    Hydr. Depth (ft)           96.03     184.16      94.31
  Conv. Total (cfs)       766472800.0    Conv. (cfs)            313064300.0   80474530.0   372934000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15717.07    1367.23   19273.66
  Min Ch El (ft)            567.51    Shear (lb/sq ft)            0.46       0.88       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.84       2.49       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    81965.92   15275.14   98841.59
  C & E Loss (ft)             0.00    Cum SA (acres)            700.70      70.59     817.21


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275054.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  196.75   791.7  640.13  774.59 1348.61  761.03 1526.88  752.92
  1811.6  746.04 1978.58  743.72 2327.74  743.72 2661.05  742.02 3556.27  723.66
 3627.86  719.79 3718.84  716.28 3730.12   716.1 3931.15   716.6 4110.49  713.72
 4253.03  710.69 4406.07  706.28 4780.17  697.17 5236.11  690.68 5575.42  688.41
 5721.43  686.94 5880.31  680.11 5948.66   673.6 6310.75  672.36 6659.59  675.63
 6800.32  677.44 7020.16  664.88 7186.43   658.6 7257.55  652.32 7306.51  652.32
 7456.75   656.7 7674.05  666.76 7736.96  667.05 7866.27  670.14 8229.29  667.46
 8277.14  670.74 8431.58  678.89  8724.4  667.09 8738.47  665.57 8910.98  653.38
 9049.54  652.92 9303.56  664.62 9478.14  664.04 9661.03  650.86 9847.04  646.88
 9991.13  636.8310008.35  636.5210097.95  623.9610266.06  605.1210323.33  605.12
10365.31  610.8510491.97  639.2910599.52  653.9610986.99  648.6211145.03  642.72
11200.81  638.2311413.46   635.311665.62  639.2611965.68  635.1212600.26  628.84
14061.73  628.8414302.27  625.1214920.61  625.1215396.32   631.415456.36  637.68
15750.16  633.1515757.13  629.3215863.71  627.3816522.31  600.41   17083  592.56
17173.97  585.6417494.27  583.3917576.91  576.5317706.95  567.5118194.81  567.51
18324.62  571.5718449.08  592.5618535.02  608.8918553.43   611.118784.45  627.09
19210.87  633.0319632.67  633.8121678.89   628.621790.55   628.622012.95  629.52
22352.05   627.223307.88  631.1623557.29  637.4425181.07  643.72 25551.6   646.7
25961.65  651.2126591.96  665.64   26809  666.28 27888.9  666.2828504.53  662.56
28769.87  662.5629326.08  656.28 29556.4  652.6329722.63  650.59 29858.3   644.8
30002.31  645.31 30287.2  652.6130598.94  655.2831662.97  671.7632306.61  674.97
33244.52   705.733382.78  706.3933980.65  687.0634014.29  687.2335558.47  724.71
36569.42  726.6336760.75  730.5137101.73  745.92 37141.9  746.8537438.96  750.07
37760.32   761.337913.52  764.8838663.84     79039338.14  794.1739678.18     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   17083     .1518449.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         1708318449.08                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.85    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507958.00   251567.90   1817650.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1507958.00   251567.90   1817650.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2747833.00   707179.30   3274988.00
  Top Width (ft)          36341.21    Top Width (ft)          15707.12    1366.08   19268.01
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.82       2.81       1.80
  Max Chl Dpth (ft)         192.28    Hydr. Depth (ft)           96.00     184.15      94.34
  Conv. Total (cfs)       766645600.0    Conv. (cfs)            313018400.0   80558090.0   373069100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15720.78    1368.77   19272.91
```

```
  Min Ch El (ft)            567.51    Shear (lb/sq ft)            0.46       0.88       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.84       2.49       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    81792.84   15246.28   98632.97
  C & E Loss (ft)             0.00    Cum SA (acres)            698.89      70.43     815.00


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275051.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  196.79   791.7  640.27  774.58 1348.91  761.03 1527.22  752.92
 1812.01  746.04 1979.02  743.71 2328.25  743.71 2661.64     742 3557.05  723.68
 3628.66  719.81 3719.66  716.29 3730.94  716.11 3932.02  716.59  4111.4  713.71
 4253.97  710.68 4407.05  706.26 4781.24  697.15 5237.27  690.66 5576.66   688.4
  5722.7  686.92 5881.61  680.09 5949.98  673.56 6312.16  672.32 6661.07  675.61
 6801.83  677.42 7021.72  664.84 7188.02  658.55 7259.16  652.26 7308.13  652.26
  7458.4  656.65 7675.75  666.71 7738.67     667 7868.02  670.11 8231.12  667.47
 8278.98  670.75 8433.45  678.95 8726.33  667.18 8740.41  665.66 8912.96  653.45
 9051.55  652.99 9305.62  664.72 9480.24  664.13 9663.18  650.94 9849.23  646.95
 9993.35  636.9210010.57  636.6110100.19  624.0310268.34  605.1610325.62  605.16
10367.61   610.9 10494.3  639.3310601.87  654.0310989.43  648.68 11147.5  642.79
11203.29   638.311415.99  635.3711668.21   639.311968.33  635.1612603.06  628.87
14064.85  628.8714305.44  625.1614923.92  625.1615399.74  631.4515459.79  637.74
15753.65   633.215760.63  629.3915867.24  627.4416525.98  600.44 17086.8  592.58
 17177.9  585.6517498.69   583.417581.45  576.5317711.69  567.5118199.79  567.51
18329.77  571.5718454.39  592.5818540.33  608.8918558.74   611.118789.72  627.05
19216.11     63319637.86  633.7721683.84  628.5521795.49  628.5522017.87  629.47
22356.93  627.1723312.65  631.1323562.04  637.4225185.63  643.7125556.12   646.7
25966.12  651.2126596.36  665.6526813.38  666.2927893.16  666.2928508.71  662.58
28774.03  662.5829330.18  656.2929560.48  652.6429726.69  650.5929862.33  644.78
30006.33   645.330291.19   652.6 30602.9  655.27 31666.8  671.7332310.38  674.95
33248.18  705.6133386.42  706.3133984.23  687.0434017.86  687.2135561.87  724.62
 36572.7  726.5636764.02  730.4537104.95  745.8537145.12  746.7937442.15  750.03
37763.47  761.2637916.66  764.8438666.89     79039341.11  794.1839681.11     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 17086.8     .1518454.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       17086.818454.39                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.85    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507972.00   251835.20   1817985.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1507972.00   251835.20   1817985.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2746860.00   707754.60   3275386.00
  Top Width (ft)          36345.18    Top Width (ft)          15710.61    1367.59   19266.99
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.82       2.81       1.80
  Max Chl Dpth (ft)         192.28    Hydr. Depth (ft)           95.98     184.15      94.36
  Conv. Total (cfs)       766815600.0    Conv. (cfs)             312976900.0   80641500.0   373197200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15724.27    1370.28   19271.88
  Min Ch El (ft)            567.51    Shear (lb/sq ft)            0.46       0.88       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.84       2.48       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    81619.74   15217.39   98424.31
  C & E Loss (ft)             0.00    Cum SA (acres)            697.09      70.28     812.79


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275048.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  196.84  791.69  640.41  774.56 1349.21  761.03 1527.56  752.91
 1812.41  746.03 1979.46   743.7 2328.77   743.7 2662.23  741.99 3557.84   723.7
 3629.47  719.83 3720.49   716.3 3731.77  716.12 3932.89  716.58 4112.31   713.7
 4254.92  710.66 4408.03  706.25  4782.3  697.13 5238.43  690.65  5577.9  688.38
 5723.97   686.9 5882.92  680.06  5951.3  673.53 6313.56  672.29 6662.55  675.59
 6803.34   677.4 7023.28   664.8 7189.62   658.5 7260.77   652.2 7309.75   652.2
 7460.06   656.6 7677.45  666.66 7740.39  666.96 7869.77  670.08 8232.94  667.47
 8280.82  670.77 8435.33  679.01 8728.27  667.26 8742.35  665.75 8914.94  653.52
 9053.56  653.06 9307.69  664.81 9482.35  664.23 9665.32  651.02 9851.42  647.03
 9995.57  637.0110012.79   636.710102.43   624.110270.62   605.210327.91   605.2
10369.91  610.9510496.63  639.3810604.22   654.110991.87  648.7411149.98  642.85
11205.78  638.3811418.53  635.44 11670.8  639.3511970.99   635.212605.86   628.9
14067.97   628.914308.62   625.214927.24   625.215403.16   631.515463.22   637.8
15757.15  633.2615764.12  629.4515870.76   627.516529.65  600.4617090.59   592.6
17181.83  585.66 17503.1  583.4217585.98  576.5417716.42  567.5118204.77  567.51
18334.92  571.5618459.71   592.618545.63  608.8918564.04  611.09   18795  627.01
19221.34  632.9619643.04  633.72 21688.8   628.521800.43   628.522022.78  629.42
22361.81  627.1323317.43   631.123566.78   637.425190.19   643.725560.64  646.69
 25970.6  651.2126600.77  665.6626817.76   666.327897.42   666.3 28512.9   662.6
28778.18   662.629334.28   656.329564.55  652.6429730.74  650.5929866.37  644.77
30010.35  645.2830295.18  652.5930606.85  655.2631670.64   671.732314.14  674.93
33251.84  705.5333390.06  706.22 33987.8  687.0234021.43  687.1935565.27  724.53
36575.99  726.4936767.28  730.3837108.18  745.7837148.34  746.7237445.34  749.98
37766.62  761.2137919.79   764.838669.94     79039344.09  794.1939684.05     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517090.59     .1518459.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17090.5918459.71                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.85    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)             5.00       5.00       5.00
```

```
  Crit W.S. (ft)                      Flow Area (sq ft)       1507977.00   252104.70   1818355.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1507977.00   252104.70   1818355.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2745837.00   708326.90   3275837.00
  Top Width (ft)          36349.48    Top Width (ft)          15714.11    1369.12   19266.25
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.82       2.81       1.80
  Max Chl Dpth (ft)         192.28    Hydr. Depth (ft)           95.96     184.14      94.38
  Conv. Total (cfs)       766990500.0    Conv. (cfs)             312931700.0   80725100.0   373333600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15727.80    1371.81   19271.12
  Min Ch El (ft)            567.51    Shear (lb/sq ft)            0.46       0.88       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.84       2.48       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    81446.65   15188.46   98215.62
  C & E Loss (ft)             0.00    Cum SA (acres)            695.29      70.12     810.57


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275045.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  196.88  791.69  640.55  774.55 1349.51  761.03  1527.9   752.9
 1812.81  746.02 1979.89  743.69 2329.29  743.69 2662.82  741.98 3558.63  723.71
 3630.27  719.84 3721.31  716.31  3732.6  716.13 3933.77  716.58 4113.23  713.69
 4255.86  710.65 4409.01  706.23 4783.36  697.11  5239.6  690.63 5579.13  688.36
 5725.24  686.88 5884.22  680.03 5952.62  673.49 6314.96  672.26 6664.03  675.57
 6804.85  677.38 7024.84  664.76 7191.21  658.45 7262.39  652.14 7311.38  652.14
 7461.71  656.54 7679.16  666.61 7742.11  666.91 7871.51  670.06 8234.77  667.48
 8282.65  670.79  8437.2  679.06 8730.21  667.35 8744.29  665.84 8916.92   653.6
 9055.57  653.13 9309.76  664.91 9484.45  664.33 9667.47   651.1  9853.6   647.1
 9997.79   637.110015.01  636.7910104.67  624.17 10272.9  605.2410330.21  605.24
10372.21  610.9910498.96  639.4310606.58  654.1710994.31   648.811152.45  642.92
11208.27  638.4611421.06  635.5111673.39   639.411973.65  635.2412608.66  628.93
14071.09  628.9314311.79  625.2414930.55  625.2415406.57  631.5515466.65  637.86
15760.65  633.3115767.62  629.5115874.28  627.5616533.32  600.4917094.38  592.62
17185.76  585.6817507.51  583.4417590.52  576.5517721.15  567.5118209.75  567.51
18340.08  571.5618465.03  592.6218550.94  608.8918569.35  611.0918800.28  626.98
19226.57  632.9319648.23  633.6821693.75  628.4521805.38  628.45 22027.7  629.37
22366.69   627.1 23322.2  631.0723571.53  637.3825194.75  643.6925565.16  646.69
25975.07   651.226605.17  665.6726822.13  666.3127901.68  666.3128517.09  662.62
28782.34  662.6229338.37  656.3129568.62  652.6529734.79  650.5929870.41  644.76
30014.37  645.2730299.17  652.59 30610.8  655.2631674.47  671.67 32317.9   674.9
 33255.5  705.4433393.71  706.1433991.38     687   34025  687.1735568.66  724.44
36579.27  726.4236770.54  730.32 37111.4   745.737151.55  746.6537448.52  749.93
37769.77  761.1637922.92  764.7638672.99     79039347.06  794.1939686.98     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517094.38    .1518465.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17094.3818465.03                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.85    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507985.00   252370.10   1818694.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1507985.00   252370.10   1818694.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2744866.00   708892.60   3276242.00
  Top Width (ft)          36353.77    Top Width (ft)          15717.62    1370.65   19265.50
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.82       2.81       1.80
  Max Chl Dpth (ft)         192.28    Hydr. Depth (ft)           95.94     184.12      94.40
  Conv. Total (cfs)       767153900.0    Conv. (cfs)             312887800.0   80806800.0   373459400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15731.32    1373.34   19270.37
  Min Ch El (ft)            567.51    Shear (lb/sq ft)            0.46       0.88       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.84       2.48       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    81273.55   15159.51   98006.88
  C & E Loss (ft)             0.00    Cum SA (acres)            693.48      69.96     808.36


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275042.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  196.92  791.68   640.7  774.54 1349.81  761.02 1528.24  752.89
 1813.21  746.02 1980.33  743.68  2329.8  743.68 2663.41  741.97 3559.42  723.73
 3631.08  719.86 3722.14  716.32 3733.43  716.14 3934.64  716.57 4114.14  713.68
 4256.81  710.63 4409.99  706.21 4784.42  697.09 5240.76  690.62 5580.37  688.34
 5726.51  686.86 5885.53  680.01 5953.94  673.45 6316.36  672.22 6665.51  675.54
 6806.36  677.36 7026.39  664.72 7192.81   658.4    7264  652.08    7313  652.08
 7463.37  656.49 7680.86  666.55 7743.83  666.86 7873.26  670.03  8236.6  667.49
 8284.49   670.8 8439.07  679.12 8732.14  667.44 8746.23  665.93  8918.9  653.67
 9057.58  653.21 9311.82     665 9486.56  664.42 9669.61  651.18 9855.79  647.18
10000.01  637.1910017.23  636.8810106.91  624.2410275.18  605.28 10332.5  605.28
10374.51  611.0410501.29  639.4710608.93  654.2410996.75  648.8611154.93  642.99
11210.76  638.54 11423.6  635.5811675.98  639.44 11976.3  635.2812611.45  628.96
14074.21  628.9614314.97  625.2814933.86  625.2815409.99   631.615470.09  637.92
15764.14  633.3615771.12  629.57 15877.8  627.6216536.99  600.5217098.18  592.64
17189.69  585.6917511.92  583.4617595.06  576.5617725.89   567.518214.73   567.5
18345.23  571.5518470.34  592.6418556.25  608.8818574.65  611.0918805.56  626.94
 19231.8  632.8919653.41  633.6421698.71   628.421810.32   628.422032.62  629.33
22371.57  627.0623326.97  631.0423576.27  637.3625199.32  643.6825569.68  646.68
25979.55   651.226609.57  665.6826826.51  666.3227905.94  666.3228521.28  662.64
 28786.5  662.6429342.47  656.3229572.69  652.6529738.84  650.5929874.45  644.75
30018.39  645.2530303.15  652.5830614.76  655.25 31678.3  671.6432321.66  674.88
33259.15  705.3633397.35  706.0533994.95  686.9834028.57  687.1535572.06  724.35
36582.55  726.35 36773.8  730.2637114.62  745.6337154.78  746.5837451.71  749.88
37772.92  761.1237926.05  764.7238676.04     79039350.03   794.239689.92     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517098.18    .1518470.34     .15
```

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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17098.1818470.34                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.85    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507997.00   252642.20   1819047.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1507997.00   252642.20   1819047.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2743848.00   709483.40   3276670.00
  Top Width (ft)          36358.00    Top Width (ft)          15721.33    1372.16   19264.52
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.82       2.81       1.80
  Max Chl Dpth (ft)         192.29    Hydr. Depth (ft)           95.92     184.12      94.42
  Conv. Total (cfs)       767328100.0    Conv. (cfs)            312842700.0   80892510.0   373593000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15735.03    1374.86   19269.37
  Min Ch El (ft)            567.50    Shear (lb/sq ft)            0.46       0.88       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.84       2.48       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    81100.46   15130.53   97798.10
  C & E Loss (ft)             0.00    Cum SA (acres)            691.68      69.81     806.15


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275039.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  196.97  791.68  640.84  774.53 1350.11  761.02 1528.58  752.88
 1813.62  746.01 1980.77  743.67 2330.32  743.67    2664  741.95 3560.21  723.75
 3631.89  719.87 3722.97  716.33 3734.26  716.15 3935.51  716.57 4115.05  713.67
 4257.75  710.62 4410.97   706.2 4785.48  697.07 5241.92   690.6 5581.61  688.32
 5727.78  686.85 5886.84  679.98 5955.27  673.42 6317.76  672.19 6666.99  675.52
 6807.87  677.34 7027.95  664.68  7194.4  658.35 7265.61  652.02 7314.62  652.02
 7465.03  656.44 7682.57   666.5 7745.54  666.82 7875.01     670 8238.43  667.49
 8286.33  670.82 8440.94  679.18 8734.08  667.53 8748.17  666.02 8920.88  653.74
 9059.59  653.28 9313.89   665.1 9488.66  664.52 9671.76  651.26 9857.97  647.25
10002.23  637.2810019.46  636.9710109.16  624.3110277.46  605.3210334.79  605.32
10376.82  611.0910503.62  639.5210611.28  654.3110999.19  648.92 11157.4  643.06
11213.24  638.6111426.13  635.6611678.57  639.4911978.96  635.3212614.25  628.99
14077.34  628.9914318.14  625.3214937.17  625.3215413.41  631.6515473.52  637.98
15767.64  633.4115774.62  629.6415881.32  627.6816540.66  600.5417101.97  592.66
17193.62   585.717516.34  583.48 17599.6  576.5717730.62   567.518219.71   567.5
18350.38  571.5518475.66  592.6618561.56  608.8818579.96  611.0818810.84   626.9
19237.03  632.86 19658.6   633.621703.66  628.3521815.26  628.3522037.54  629.28
22376.45  627.0223331.74  631.0123581.01  637.3425203.88  643.67 25574.2  646.67
25984.02   651.226613.98   665.726830.89  666.3327910.19  666.3328525.47  662.66
28790.66  662.6629346.57  656.3329576.76  652.6529742.89  650.5929878.48  644.73
30022.41  645.2430307.14  652.5730618.71  655.2431682.14  671.6132325.42  674.85
33262.81  705.2733400.99  705.9733998.52  686.9634032.14  687.1335575.46  724.27
36585.84  726.2736777.07   730.237117.85  745.56   37158  746.5137454.89  749.84
37776.07  761.0737929.19  764.6838679.09     790   39353  794.2139692.86     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517101.97     .1518475.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17101.9718475.66                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.85    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508004.00   252909.80   1819393.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1508004.00   252909.80   1819393.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2742862.00   710054.40   3277083.00
  Top Width (ft)          36362.26    Top Width (ft)          15724.84    1373.69   19263.73
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.82       2.81       1.80
  Max Chl Dpth (ft)         192.29    Hydr. Depth (ft)           95.90     184.11      94.45
  Conv. Total (cfs)       767495700.0    Conv. (cfs)            312798700.0   80975290.0   373721700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15738.56    1376.39   19268.58
  Min Ch El (ft)            567.50    Shear (lb/sq ft)            0.46       0.88       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.84       2.48       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    80927.37   15101.51   97589.28
  C & E Loss (ft)             0.00    Cum SA (acres)            689.88      69.65     803.94


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275037.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  197.01  791.67  640.98  774.51 1350.41  761.02 1528.92  752.88
 1814.02     746 1981.21  743.66 2330.84  743.66 2664.59  741.94    3561  723.76
 3632.69  719.89 3723.79  716.34 3735.09  716.16 3936.38  716.56 4115.96  713.66
  4258.7   710.6 4411.94  706.18 4786.54  697.05 5243.08  690.59 5582.85   688.3
 5729.05  686.83 5888.14  679.95 5956.59  673.38 6319.16  672.16 6668.47   675.5
 6809.38  677.32 7029.51  664.64    7196   658.3 7267.22  651.96 7316.24  651.96
 7466.68  656.39 7684.27  666.45 7747.26  666.77 7876.75  669.97 8240.25   667.5
 8288.17  670.84 8442.81  679.23 8736.02  667.62 8750.11   666.1 8922.86  653.81
  9061.6  653.35 9315.95  665.19 9490.77  664.62  9673.9  651.33 9860.16  647.32
10004.44  637.3710021.68  637.06 10111.4  624.3810279.74  605.3610337.08  605.36
10379.12  611.1410505.95  639.5710613.64  654.3811001.63  648.9911159.88  643.13
11215.73  638.6911428.66  635.7311681.16  639.5411981.62  635.3612617.05  629.02
14080.46  629.0214321.32  625.3614940.49  625.3615416.83   631.715476.95  638.04
15771.14  633.4715778.12   629.715884.85  627.7516544.33  600.5717105.76  592.68
17197.55  585.7117520.75  583.4917604.14  576.5817735.36   567.518224.69   567.5
18355.53  571.5518480.98  592.6818566.87  608.8818585.26  611.0818816.12  626.87
19242.26  632.8219663.78  633.5621708.62   628.3 21820.2   628.322042.45  629.23
22381.33  626.9923336.51  630.9823585.76  637.3225208.44  643.6625578.72  646.67
 25988.5  651.1926618.38  665.7126835.27  666.3427914.45  666.3428529.66  662.68
28794.82  662.6829350.66  656.3429580.83  652.6629746.95  650.5829882.52  644.72
30026.43  645.2330311.13  652.5730622.67  655.2331685.97  671.5832329.19  674.83
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33266.46  705.1833404.63  705.88 34002.1  686.9434035.71  687.1135578.86  724.18
36589.12   726.236780.33  730.1337121.07  745.4937161.21  746.4437458.08  749.79
37779.22  761.0337932.32  764.6438682.13     79039355.98  794.2139695.79     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517105.76     .1518480.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17105.7618480.98                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.85    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508006.00   253179.70   1819740.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1508006.00   253179.70   1819740.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2741853.00   710632.80   3277514.00
  Top Width (ft)          36366.26    Top Width (ft)          15728.31    1375.22   19262.73
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.82       2.81       1.80
  Max Chl Dpth (ft)         192.29    Hydr. Depth (ft)           95.88     184.10      94.47
  Conv. Total (cfs)       767665800.0    Conv. (cfs)             312752900.0   81059220.0   373853700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15742.05    1377.92   19267.57
  Min Ch El (ft)            567.50    Shear (lb/sq ft)            0.46       0.88       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.84       2.47       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    80754.27   15072.47   97380.42
  C & E Loss (ft)             0.00    Cum SA (acres)            688.07      69.49     801.73


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275034.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  197.06  791.67  641.12   774.5 1350.71  761.01 1529.26  752.87
 1814.42     746 1981.65  743.65 2331.35  743.65 2665.18  741.93 3561.79  723.78
  3633.5   719.9 3724.62  716.35 3735.91  716.17 3937.26  716.56 4116.88  713.65
 4259.64  710.59 4412.92  706.16  4787.6  697.04 5244.25  690.57 5584.09  688.29
 5730.32  686.81 5889.45  679.92 5957.91  673.34 6320.56  672.12 6669.94  675.47
 6810.89   677.3 7031.07   664.6  7197.6  658.25 7268.83   651.9 7317.86   651.9
 7468.34  656.33 7685.97  666.39 7748.98  666.73  7878.5  669.95 8242.08  667.51
    8290  670.86 8444.69  679.29 8737.96  667.71 8752.05  666.19 8924.83  653.88
 9063.61  653.43 9318.02  665.29 9492.87  664.71 9676.05  651.41 9862.35   647.4
10006.66  637.46 10023.9  637.1510113.64  624.4510282.02   605.410339.37   605.4
10381.42  611.1910508.28  639.6110615.99  654.4511004.07  649.0511162.35  643.19
11218.22  638.77 11431.2   635.811683.75  639.5811984.27   635.412619.85  629.05
14083.58  629.05 14324.5   625.4 14943.8   625.415420.25  631.7515480.38   638.1
15774.63  633.5215781.62  629.7615888.37  627.8116547.99  600.5917109.55   592.7
17201.48  585.7217525.16  583.5117608.67  576.5917740.09   567.518229.66   567.5
18360.68  571.5418486.29   592.718572.17  608.8818590.57  611.08 18821.4  626.83
19247.49  632.7819668.96  633.5121713.57  628.2521825.14  628.2522047.37  629.18
22386.21  626.9523341.29  630.95 23590.5   637.3   25213  643.6525583.24  646.66
25992.97  651.1926622.78  665.7226839.65  666.3527918.71  666.3528533.85   662.7
28798.98   662.729354.76  656.35 29584.9  652.66   29751  650.5829886.55  644.71
30030.45  645.2130315.12  652.5630626.62  655.2331689.81  671.5532332.95  674.81
33270.12   705.133408.27  705.7934005.67  686.9234039.28  687.0935582.25  724.09
36592.41  726.1336783.59  730.07 37124.3  745.4237164.43  746.3737461.27  749.74
37782.37  760.9837935.45   764.638685.18     79039358.95  794.2239698.73     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517109.55     .1518486.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17109.5518486.29                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.85    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508014.00   253446.60   1820102.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1508014.00   253446.60   1820102.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2740842.00   711200.90   3277957.00
  Top Width (ft)          36370.74    Top Width (ft)          15732.01    1376.74   19262.00
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.82       2.81       1.80
  Max Chl Dpth (ft)         192.29    Hydr. Depth (ft)           95.86     184.09      94.49
  Conv. Total (cfs)       767835900.0    Conv. (cfs)             312706800.0   81141980.0   373987100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15745.75    1379.44   19266.82
  Min Ch El (ft)            567.50    Shear (lb/sq ft)            0.46       0.88       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.83       2.47       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    80581.18   15043.39   97171.52
  C & E Loss (ft)             0.00    Cum SA (acres)            686.26      69.33     799.52


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275031.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   197.1  791.66  641.26  774.49 1351.01  761.01  1529.6  752.86
 1814.82  745.99 1982.09  743.64 2331.87  743.64 2665.78  741.91 3562.58   723.8
  3634.3  719.92 3725.44  716.36 3736.74  716.18 3938.13  716.55 4117.79  713.64
 4260.58  710.57  4413.9  706.15 4788.67  697.02 5245.41  690.56 5585.32  688.27
 5731.59  686.79 5890.75   679.9 5959.23  673.31 6321.96  672.09 6671.42  675.45
  6812.4  677.28 7032.63  664.56 7199.19   658.2 7270.44  651.84 7319.49  651.84
 7469.99  656.28 7687.68  666.34  7750.7  666.68 7880.25  669.92 8243.91  667.52
 8291.84  670.87 8446.56  679.35 8739.89   667.8 8753.99  666.28 8926.81  653.95
 9065.61   653.5 9320.08  665.38 9494.97  664.81 9678.19  651.49 9864.53  647.47
10008.88  637.5610026.12  637.2410115.88  624.5210284.29  605.4410341.67  605.44
10383.72  611.2410510.61  639.6610618.34  654.5211006.51  649.1111164.83  643.26
 11220.7  638.8411433.73  635.8711686.34  639.6311986.93  635.4412622.64  629.08
 14086.7  629.0814327.67  625.4414947.11  625.4415423.67   631.815483.81  638.16
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15778.13  633.5715785.12  629.8215891.89  627.8716551.66  600.6217113.35  592.72
17205.41  585.7317529.58  583.5317613.21   576.617744.82   567.518234.64   567.5
18365.83  571.5418491.61  592.7218577.48  608.8818595.88  611.0718826.68  626.79
19252.73  632.7519674.15  633.4721718.53   628.221830.09   628.222052.29  629.13
22391.09  626.9123346.06  630.9223595.24  637.2825217.56  643.6425587.76  646.66
25997.44  651.1926627.19  665.7326844.03  666.3627922.97  666.3628538.04  662.72
28803.14  662.7229358.86  656.3629588.97  652.6729755.05  650.5829890.59  644.69
30034.47   645.230319.11  652.5530630.57  655.2231693.64  671.5232336.71  674.78
33273.78  705.0133411.91  705.7134009.25   686.934042.85  687.0735585.65     724
36595.69  726.0636786.85  730.0137127.52  745.3537167.65   746.337464.45  749.69
37785.52  760.9437938.59  764.5638688.23     79039361.93  794.2339701.66     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517113.35     .1518491.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17113.3518491.61                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.84    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508020.00   253712.80   1820455.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1508020.00   253712.80   1820455.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2739838.00   711763.40   3278400.00
  Top Width (ft)          36374.77    Top Width (ft)          15735.53    1378.26   19260.99
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.82       2.81       1.80
  Max Chl Dpth (ft)         192.29    Hydr. Depth (ft)           95.84     184.08      94.52
  Conv. Total (cfs)       768007300.0    Conv. (cfs)            312662000.0   81224290.0   374121100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15749.29    1380.97   19265.81
  Min Ch El (ft)            567.50    Shear (lb/sq ft)            0.46       0.88       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.83       2.47       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    80408.09   15014.28   96962.59
  C & E Loss (ft)             0.00    Cum SA (acres)            684.46      69.17     797.31


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275028.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  197.14  791.66  641.41  774.48  1351.3  761.01 1529.94  752.85
 1815.22  745.98 1982.53  743.63 2332.39  743.63 2666.37   741.9 3563.37  723.82
 3635.11  719.93 3726.27  716.37 3737.57  716.19    3939  716.55  4118.7  713.63
 4261.53  710.56 4414.88  706.13 4789.73     697 5246.57  690.54 5586.56  688.25
 5732.86  686.77 5892.06  679.87 5960.55  673.27 6323.36  672.06  6672.9  675.43
 6813.91  677.26 7034.19  664.52 7200.79  658.15 7272.05  651.78 7321.11  651.78
 7471.65  656.23 7689.38  666.29 7752.42  666.64 7881.99  669.89 8245.73  667.52
 8293.68  670.89 8448.43   679.4 8741.83  667.88 8755.93  666.37 8928.79  654.03
 9067.62  653.57 9322.15  665.48 9497.08  664.91 9680.34  651.57 9866.72  647.55
 10011.1  637.6510028.35  637.3310118.12  624.5910286.57  605.4810343.96  605.48
10386.02  611.2910512.94  639.71 10620.7  654.5911008.95  649.17 11167.3  643.33
11223.19  638.9211436.27  635.9411688.93  639.6811989.59  635.4812625.44  629.11
14089.83  629.1114330.85  625.4814950.43  625.4815427.08  631.8515487.25  638.22
15781.63  633.6315788.62  629.8915895.41  627.9316555.33  600.6517117.14  592.74
17209.34  585.7517533.99  583.5517617.75  576.6117749.56   567.518239.62   567.5
18370.98  571.5318496.93  592.7418582.79  608.8818601.18  611.0718831.96  626.76
19257.96  632.7119679.33  633.4321723.48  628.1521835.03  628.15 22057.2  629.08
22395.97  626.8823350.83  630.8923599.99  637.2625222.12  643.6325592.28  646.65
26001.92  651.1826631.59  665.7426848.41  666.3727927.22  666.3728542.22  662.74
 28807.3  662.7429362.95  656.3729593.04  652.67 29759.1  650.5829894.63  644.68
30038.49  645.18 30323.1  652.5430634.53  655.2131697.48  671.4932340.47  674.76
33277.44  704.9233415.55  705.6234012.82  686.8834046.42  687.0535589.05  723.91
36598.98  725.9936790.12  729.9437130.75  745.2837170.88  746.2437467.64  749.64
37788.67  760.8937941.72  764.5238691.28     790 39364.9  794.2339704.59     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517117.14     .1518496.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17117.1418496.93                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.84    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508020.00   253979.50   1820811.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1508020.00   253979.50   1820811.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2738832.00   712328.80   3278839.00
  Top Width (ft)          36379.07    Top Width (ft)          15739.05    1379.79   19260.24
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.82       2.80       1.80
  Max Chl Dpth (ft)         192.29    Hydr. Depth (ft)           95.81     184.07      94.54
  Conv. Total (cfs)       768174800.0    Conv. (cfs)            312615500.0   81306540.0   374252900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15752.82    1382.50   19265.05
  Min Ch El (ft)            567.50    Shear (lb/sq ft)            0.46       0.88       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.83       2.47       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    80234.99   14985.15   96753.61
  C & E Loss (ft)             0.00    Cum SA (acres)            682.65      69.02     795.10


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275025.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  197.19  791.65  641.55  774.46  1351.6  761.01 1530.27  752.84
 1815.63  745.98 1982.97  743.62 2332.91  743.62 2666.96  741.89 3564.16  723.83
 3635.91  719.95 3727.09  716.38  3738.4   716.2 3939.88  716.54 4119.61  713.62
 4262.47  710.54 4415.86  706.11 4790.79  696.98 5247.73  690.53  5587.8  688.23
 5734.13  686.75 5893.36  679.84 5961.87  673.23 6324.77  672.02 6674.38  675.41
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 6815.42  677.24 7035.75  664.48 7202.38   658.1 7273.67  651.72 7322.73  651.72
  7473.3  656.17 7691.09  666.24 7754.13  666.59 7883.74  669.86 8247.56  667.53
 8295.52  670.91  8450.3  679.46 8743.77  667.97 8757.87  666.46 8930.77   654.1
 9069.63  653.64 9324.22  665.57 9499.18     665 9682.48  651.65 9868.91  647.62
10013.32  637.7410030.57  637.4210120.37  624.6610288.85  605.5210346.25  605.52
10388.32  611.3410515.27  639.7510623.05  654.6611011.39  649.2311169.78   643.4
11225.68     639 11438.8  636.0211691.52  639.7211992.25  635.5212628.24  629.14
14092.95  629.1414334.02  625.5214953.74  625.52 15430.5   631.915490.68  638.28
15785.13  633.6815792.11  629.9515898.94  627.99   16559  600.6717120.93  592.76
17213.27  585.76 17538.4  583.5617622.29  576.6217754.29   567.5 18244.6   567.5
18376.14  571.5318502.25  592.7618588.09  608.8718606.48  611.0718837.24  626.72
19263.19  632.6819684.52  633.3921728.43   628.121839.97   628.122062.12  629.04
22400.85  626.84 23355.6  630.8623604.73  637.2425226.69  643.62 25596.8  646.65
26006.39  651.1826635.99  665.7626852.79  666.3827931.48  666.3828546.41  662.76
28811.46  662.7629367.05  656.3829597.11  652.6729763.16  650.5829898.67  644.67
30042.52  645.1730327.09  652.5430638.48   655.231701.31  671.4732344.23  674.73
33281.09  704.84 33419.2  705.5434016.39  686.8534049.99  687.0335592.45  723.83
36602.26  725.9236793.38  729.8837133.97  745.2137174.09  746.1737470.83   749.6
37791.82  760.8437944.85  764.4838694.33     79039367.87  794.2439707.53     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517120.93     .1518502.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17120.9318502.25               5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.84    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508039.00   254249.60   1821128.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1508039.00   254249.60   1821128.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2737902.00   712913.70   3279185.00
  Top Width (ft)          36383.34    Top Width (ft)          15742.56    1381.32   19259.46
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.82       2.80       1.80
  Max Chl Dpth (ft)         192.29    Hydr. Depth (ft)           95.79     184.06      94.56
  Conv. Total (cfs)       768337500.0    Conv. (cfs)            312575400.0   81390540.0   374371600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15756.34    1384.03   19264.26
  Min Ch El (ft)            567.50    Shear (lb/sq ft)            0.46       0.88       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.83       2.47       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    80061.89   14955.98   96544.59
  C & E Loss (ft)             0.00    Cum SA (acres)            680.85      68.86     792.89


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275022.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  197.23  791.65  641.69  774.45  1351.9     761 1530.61  752.84
 1816.03  745.97 1983.41  743.61 2333.42  743.61 2667.55  741.88 3564.95  723.85
 3636.72  719.97 3727.92  716.39 3739.23  716.21 3940.75  716.54 4120.53  713.61
 4263.42  710.53 4416.83   706.1 4791.85  696.96  5248.9  690.51 5589.04  688.21
  5735.4  686.73 5894.67  679.81 5963.19   673.2 6326.17  671.99 6675.86  675.38
 6816.93  677.22 7037.31  664.44 7203.98  658.05 7275.28  651.66 7324.35  651.66
 7474.96  656.12 7692.79  666.18 7755.85  666.54 7885.49  669.84 8249.39  667.54
 8297.36  670.92 8452.17  679.52  8745.7  668.06 8759.81  666.55 8932.75  654.17
 9071.64  653.72 9326.28  665.67 9501.29   665.1 9684.63  651.73 9871.09   647.7
10015.54  637.8310032.79  637.5110122.61  624.7310291.13  605.5610348.54  605.56
10390.62  611.3910517.59   639.810625.41  654.7311013.83  649.2911172.25  643.47
11228.16  639.0711441.33  636.0911694.11  639.77 11994.9  635.5612631.04  629.17
14096.07  629.17 14337.2  625.5614957.05  625.5615433.92  631.9515494.11  638.34
15788.62  633.7315795.61  630.0115902.46  628.0516562.67   600.717124.73  592.78
 17217.2  585.7717542.82  583.5817626.83  576.6317759.03   567.518249.58   567.5
18381.29  571.5218507.56  592.78 18593.4  608.8718611.79  611.0718842.52  626.69
19268.42  632.64 19689.7  633.3521733.39  628.0521844.91  628.0522067.04  628.99
22405.72   626.823360.37  630.8323609.47  637.2225231.25  643.6125601.32  646.64
26010.87  651.18 26640.4  665.7726857.17  666.3927935.74  666.39 28550.6  662.78
28815.62  662.7829371.14  656.3929601.18  652.6829767.21  650.58 29902.7  644.66
30046.54  645.1530331.08  652.5330642.43   655.231705.15  671.44   32348  674.71
33284.75  704.7533422.84  705.4534019.97  686.8334053.56  687.0135595.84  723.74
36605.54  725.8436796.64  729.82 37137.2  745.1437177.31   746.137474.02  749.55
37794.97   760.837947.98  764.4438697.38     79039370.84  794.2539710.46     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517124.73     .1518507.56     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17124.7318507.56               5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.84    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508035.00   254514.80   1821481.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1508035.00   254514.80   1821481.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2736869.00   713479.50   3279652.00
  Top Width (ft)          36387.52    Top Width (ft)          15746.23    1382.83   19258.46
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.81       2.80       1.80
  Max Chl Dpth (ft)         192.29    Hydr. Depth (ft)           95.77     184.05      94.58
  Conv. Total (cfs)       768503700.0    Conv. (cfs)            312525100.0   81472750.0   374505800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15760.02    1385.54   19263.26
  Min Ch El (ft)            567.50    Shear (lb/sq ft)            0.46       0.88       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.83       2.47       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    79888.79   14926.78   96335.54
  C & E Loss (ft)             0.00    Cum SA (acres)            679.04      68.70     790.68


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275019.*

INPUT
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Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  197.27  791.65  641.83  774.44  1352.2     761 1530.95  752.83
 1816.43  745.97 1983.85   743.6 2333.94   743.6 2668.14  741.86 3565.74  723.87
 3637.52  719.98 3728.75   716.4 3740.05  716.22 3941.62  716.53 4121.44   713.6
 4264.36  710.51 4417.81  706.08 4792.91  696.94 5250.06   690.5 5590.28  688.19
 5736.67  686.72 5895.97  679.79 5964.51  673.16 6327.57  671.96 6677.34  675.36
 6818.44   677.2 7038.86   664.4 7205.57     658 7276.89   651.6 7325.98   651.6
 7476.61  656.07 7694.49  666.13 7757.57   666.5 7887.23  669.81 8251.22  667.54
 8299.19  670.94 8454.05  679.57 8747.64  668.15 8761.75  666.63 8934.73  654.24
 9073.65  653.79 9328.35  665.76 9503.39   665.2 9686.77   651.8 9873.28  647.77
10017.75  637.9210035.01   637.610124.85   624.810293.41   605.610350.83   605.6
10392.93  611.4410519.92  639.8510627.76   654.811016.27  649.3511174.72  643.53
11230.65  639.1511443.87  636.16 11696.7  639.8211997.56   635.612633.83   629.2
14099.19   629.214340.37   625.614960.36   625.615437.34     63215497.54   638.4
15792.12  633.7815799.11  630.0715905.98  628.1116566.34  600.7217128.52   592.8
17221.13  585.7817547.23   583.617631.36  576.6417763.76   567.518254.56   567.5
18386.44  571.5218512.88   592.818598.71  608.87 18617.1  611.06 18847.8  626.65
19273.65  632.6119694.88  633.3121738.34     62821849.85     62822071.96  628.94
 22410.6  626.7723365.14   630.823614.22   637.225235.81   643.625605.84  646.64
26015.34  651.17 26644.8  665.7826861.55   666.4   27940   666.428554.79   662.8
28819.77   662.829375.24   656.429605.25  652.6829771.26  650.5729906.74  644.64
30050.56  645.1430335.06  652.5230646.39  655.1931708.98  671.4132351.76  674.69
33288.41  704.6633426.48  705.3734023.55  686.8134057.13  686.9835599.24  723.65
36608.82  725.77 36799.9  729.7637140.42  745.0737180.53  746.03 37477.2   749.5
37798.12  760.7537951.12   764.438700.43     79039373.82  794.25 39713.4     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517128.52     .1518512.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17128.5218512.88                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.84    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508052.00   254782.70   1821837.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1508052.00   254782.70   1821837.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2735894.00   714043.10   3280063.00
  Top Width (ft)          36391.81    Top Width (ft)          15749.74    1384.36   19257.71
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.81       2.80       1.80
  Max Chl Dpth (ft)         192.29    Hydr. Depth (ft)           95.75     184.04      94.60
  Conv. Total (cfs)       768677800.0    Conv. (cfs)             312484500.0   81555580.0   374637700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15763.55    1387.08   19262.50
  Min Ch El (ft)            567.50    Shear (lb/sq ft)            0.46       0.88       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.83       2.46       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    79715.69   14897.55   96126.44
  C & E Loss (ft)             0.00    Cum SA (acres)            677.23      68.54     788.47


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275016.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  197.32  791.64  641.98  774.43  1352.5     761 1531.29  752.82
 1816.83  745.96 1984.29  743.59 2334.46  743.59 2668.73  741.85 3566.53  723.88
 3638.33     720 3729.57  716.41 3740.88  716.23 3942.49  716.53 4122.35  713.59
 4265.31   710.5 4418.79  706.06 4793.97  696.92 5251.22  690.49 5591.51  688.17
 5737.94   686.7 5897.28  679.76 5965.83  673.12 6328.97  671.93 6678.82  675.34
 6819.95  677.18 7040.42  664.36 7207.17  657.95  7278.5  651.54  7327.6  651.54
 7478.27  656.01  7696.2  666.08 7759.29  666.45 7888.98  669.78 8253.04  667.55
 8301.03  670.96 8455.92  679.63 8749.58  668.24 8763.69  666.72 8936.71  654.31
 9075.66  653.86 9330.41  665.86  9505.5  665.29 9688.92  651.88 9875.47  647.85
10019.97  638.0110037.23  637.6910127.09  624.8710295.69  605.6410353.13  605.64
10395.23  611.4910522.25  639.8910630.11  654.8711018.71  649.42 11177.2   643.6
11233.14  639.23 11446.4  636.2311699.29  639.8612000.21  635.6412636.63  629.23
14102.31  629.2314343.55  625.6414963.68  625.6415440.76  632.0515500.97  638.46
15795.62  633.8415802.61  630.14 15909.5  628.1716570.01  600.7517132.31  592.82
17225.06  585.7917551.64  583.62 17635.9  576.6517768.49  567.4918259.54  567.49
18391.59  571.52 18518.2  592.8218604.02  608.87 18622.4  611.0618853.08  626.61
19278.88  632.5719700.07  633.26 21743.3  627.95 21854.8  627.9522076.87  628.89
22415.48  626.7323369.92  630.7723618.96  637.1825240.37  643.5925610.36  646.63
26019.81  651.17 26649.2  665.7926865.93  666.4127944.26  666.4128558.98  662.82
28823.93  662.8229379.34  656.4129609.32  652.6929775.31  650.5729910.78  644.63
30054.58  645.1330339.05  652.5230650.34  655.1831712.81  671.3832355.52  674.66
33292.06  704.5833430.12  705.2834027.12  686.79 34060.7  686.9635602.64  723.56
36612.11   725.736803.16  729.6937143.64     74537183.75  745.9637480.39  749.45
37801.27  760.7137954.25  764.3638703.48     79039376.79  794.2639716.34     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517132.31     .15 18518.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17132.31 18518.2                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.84    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.78    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508054.00   255056.10   1822206.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1508054.00   255056.10   1822206.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2734853.00   714627.90   3280519.00
  Top Width (ft)          36395.84    Top Width (ft)          15753.25    1385.89   19256.70
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.81       2.80       1.80
  Max Chl Dpth (ft)         192.29    Hydr. Depth (ft)           95.73     184.04      94.63
  Conv. Total (cfs)       768857200.0    Conv. (cfs)             312438600.0   81641420.0   374777200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15767.07    1388.61   19261.47
  Min Ch El (ft)            567.49    Shear (lb/sq ft)            0.46       0.88       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.83       2.46       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    79542.59   14868.29   95917.30
  C & E Loss (ft)             0.00    Cum SA (acres)            675.42      68.38     786.25
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CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275013.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  197.36  791.64  642.12  774.42  1352.8  760.99 1531.63  752.81
 1817.24  745.95 1984.73  743.58 2334.97  743.58 2669.32  741.84 3567.32   723.9
 3639.14  720.01  3730.4  716.42 3741.71  716.24 3943.37  716.52 4123.27  713.58
 4266.25  710.48 4419.77  706.05 4795.03   696.9 5252.38  690.47 5592.75  688.16
 5739.21  686.68 5898.59  679.73 5967.15  673.09 6330.37  671.89  6680.3  675.31
 6821.46  677.16 7041.98  664.32 7208.77   657.9 7280.11  651.48 7329.22  651.48
 7479.93  655.96  7697.9  666.02    7761  666.41 7890.73  669.76 8254.87  667.56
 8302.87  670.98 8457.79  679.69 8751.52  668.33 8765.63  666.81 8938.68  654.38
 9077.67  653.94 9332.48  665.96  9507.6  665.39 9691.06  651.96 9877.65  647.92
10022.19   638.110039.46  637.7810129.33  624.9410297.97  605.6810355.42  605.68
10397.53  611.5310524.58  639.9410632.47  654.9411021.15  649.4811179.67  643.67
11235.62   639.311448.94  636.3111701.88  639.9112002.87  635.6812639.43  629.26
14105.44  629.2614346.72  625.6814966.99  625.6815444.18   632.115504.41  638.52
15799.11  633.8915806.11   630.215913.03  628.2316573.67  600.7717136.11  592.84
17228.99   585.817556.06  583.6417640.44  576.6617773.23  567.4918264.52  567.49
18396.74  571.5118523.51  592.8418609.32  608.8718627.71  611.0618858.36  626.58
19284.12  632.5419705.25  633.2221748.25   627.921859.74   627.922081.79  628.84
22420.36   626.723374.69  630.7423623.71  637.1625244.93  643.5825614.88  646.63
26024.29  651.1726653.61   665.8 26870.3  666.4227948.51  666.4228563.17  662.84
28828.09  662.8429383.44  656.4229613.39  652.6929779.36  650.5729914.81  644.62
 30058.6  645.1130343.04  652.5130654.29  655.1731716.65  671.3532359.28  674.64
33295.72  704.4933433.76   705.2 34030.7  686.7734064.27  686.9435606.04  723.47
36615.39  725.6336806.43  729.6337146.87  744.9337186.97  745.8937483.57  749.41
37804.42  760.6637957.38  764.3238706.52     79039379.77  794.2739719.27     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517136.11     .1518523.51     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17136.1118523.51                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.84    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.78    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508061.00   255321.60   1822542.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1508061.00   255321.60   1822542.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2733872.00   715198.60   3280930.00
  Top Width (ft)          36400.29    Top Width (ft)          15756.95    1387.40   19255.94
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.81       2.80       1.80
  Max Chl Dpth (ft)         192.29    Hydr. Depth (ft)           95.71     184.03      94.65
  Conv. Total (cfs)       769018000.0    Conv. (cfs)            312391800.0   81723720.0   374902500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15770.79    1390.12   19260.70
  Min Ch El (ft)            567.49    Shear (lb/sq ft)            0.46       0.88       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.83       2.46       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    79369.48   14839.00   95708.12
  C & E Loss (ft)             0.00    Cum SA (acres)            673.61      68.22     784.04


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275010.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   197.4  791.63  642.26   774.4  1353.1  760.99 1531.97  752.81
 1817.64  745.95 1985.17  743.57 2335.49  743.57 2669.91  741.83 3568.11  723.92
 3639.94  720.03 3731.22  716.43 3742.54  716.24 3944.24  716.51 4124.18  713.57
 4267.19  710.47 4420.75  706.03 4796.09  696.88 5253.55  690.46 5593.99  688.14
 5740.49  686.66 5899.89  679.71 5968.47  673.05 6331.77  671.86 6681.77  675.29
 6822.97  677.14 7043.54  664.28 7210.36  657.85 7281.72  651.42 7330.84  651.42
 7481.58  655.91  7699.6  665.97 7762.72  666.36 7892.47  669.73  8256.7  667.56
 8304.71  670.99 8459.66  679.74 8753.45  668.41 8767.57   666.9 8940.66  654.45
 9079.68  654.01 9334.54  666.05 9509.71  665.49 9693.21  652.04 9879.84     648
10024.41  638.1910041.68  637.8710131.58  625.0110300.25  605.7210357.71  605.72
10399.83  611.5810526.91  639.9910634.82  655.0111023.59  649.5411182.15  643.74
11238.11  639.3811451.47  636.3811704.47  639.9612005.53  635.7212642.23  629.29
14108.56  629.29 14349.9  625.72 14970.3  625.72 15447.6  632.1515507.84  638.58
15802.61  633.9415809.61  630.2615916.55  628.2916577.34   600.8 17139.9  592.86
17232.92  585.8217560.47  583.6517644.98  576.6717777.96  567.49 18269.5  567.49
18401.89  571.5118528.83  592.8618614.63  608.8718633.01  611.0518863.63  626.54
19289.35   632.519710.44  633.1821753.21  627.8521864.68  627.8522086.71  628.79
22425.24  626.6623379.46  630.7123628.45  637.1425249.49  643.57 25619.4  646.62
26028.76  651.1626658.01  665.8126874.68  666.4327952.77  666.4328567.36  662.86
28832.25  662.8629387.53  656.4329617.47   652.729783.42  650.5729918.85   644.6
30062.62   645.130347.03   652.530658.25  655.1731720.48  671.3232363.04  674.61
33299.38   704.4 33437.4  705.1134034.27  686.7534067.84  686.9235609.43  723.39
36618.68  725.5636809.69  729.5737150.09  744.8637190.19  745.8237486.76  749.36
37807.57  760.6237960.52  764.2838709.57     79039382.74  794.27 39722.2     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 17139.9     .1518528.83     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       17139.918528.83                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.84    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.78    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508060.00   255589.00   1822891.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            1508060.00   255589.00   1822891.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2732865.00   715764.30   3281370.00
  Top Width (ft)          36404.28    Top Width (ft)          15760.43    1388.93   19254.92
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.81       2.80       1.80
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  Max Chl Dpth (ft)          192.29    Hydr. Depth (ft)           95.69     184.02      94.67
  Conv. Total (cfs)        769187500.0    Conv. (cfs)            312345600.0    81806380.0   375035500.0
  Length Wtd. (ft)             5.00    Wetted Per. (ft)        15774.28    1391.65   19259.68
  Min Ch El (ft)             567.49    Shear (lb/sq ft)            0.46       0.88       0.45
  Alpha                        1.06    Stream Power (lb/ft s)      0.83       2.46       0.81
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    79196.38   14809.67   95498.90
  C & E Loss (ft)              0.00    Cum SA (acres)            671.81      68.06     781.83


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275007.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  197.45  791.63   642.4  774.39  1353.4  760.99 1532.31   752.8
 1818.04  745.94 1985.61  743.56 2336.01  743.56  2670.5  741.81  3568.9  723.93
 3640.75  720.04 3732.05  716.44 3743.37  716.25 3945.11  716.51 4125.09  713.56
 4268.14  710.45 4421.73  706.01 4797.16  696.86 5254.71  690.44 5595.23  688.12
 5741.76  686.64  5901.2  679.68 5969.79  673.01 6333.17  671.83 6683.25  675.27
 6824.48  677.12  7045.1  664.24 7211.96   657.8 7283.33  651.36 7332.46  651.36
 7483.24  655.86 7701.31  665.92 7764.44  666.31 7894.22   669.7 8258.52  667.57
 8306.54  671.01 8461.53   679.8 8755.39   668.5 8769.51  666.99 8942.64  654.53
 9081.69  654.08 9336.61  666.15 9511.81  665.58 9695.35  652.12 9882.02  648.07
10026.63  638.28 10043.9  637.9610133.82  625.0810302.53  605.76   10360  605.76
10402.13  611.6310529.24  640.0310637.17  655.0811026.03   649.611184.62  643.81
 11240.6  639.4611454.01  636.4511707.06     64012008.19  635.7612645.03  629.32
14111.68  629.3214353.08  625.7614973.62  625.7615451.01   632.215511.27  638.64
15806.11     63415813.11  630.3315920.07  628.3516581.01  600.8317143.69  592.88
17236.85  585.8317564.88  583.6717649.52  576.67 17782.7  567.4918274.48  567.49
18407.04   571.518534.15  592.8818619.94  608.8618638.32  611.0518868.91   626.5
19294.58  632.4719715.62  633.1421758.16   627.821869.62   627.822091.62  628.74
22430.12  626.6223384.23  630.68 23633.2  637.1225254.06  643.5625623.92  646.62
26033.24  651.1626662.41  665.8326879.06  666.4427957.03  666.4428571.54  662.88
28836.41  662.8829391.63  656.4429621.54   652.729787.47  650.5729922.89  644.59
30066.64  645.0830351.02   652.5 30662.2  655.1631724.32  671.2932366.81  674.59
33303.04  704.3233441.04  705.0334037.84  686.7334071.41   686.935612.83   723.3
36621.96  725.4936812.95   729.537153.31  744.7937193.41  745.7537489.95  749.31
37810.72  760.5737963.65  764.2438712.62     79039385.71  794.2839725.14     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517143.69    .1518534.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17143.6918534.15                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.84    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.78    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                       Flow Area (sq ft)        1508075.00   255859.00   1823230.00
  E.G. Slope (ft/ft)       0.000077    Area (sq ft)             1508075.00   255859.00   1823230.00
  Q Total (cfs)            6730000.00    Flow (cfs)              2731905.00   716341.40   3281754.00
  Top Width (ft)           36408.55    Top Width (ft)           15763.93    1390.46   19254.16
  Vel Total (ft/s)             1.88    Avg. Vel. (ft/s)            1.81       2.80       1.80
  Max Chl Dpth (ft)          192.29    Hydr. Depth (ft)           95.67     184.01      94.69
  Conv. Total (cfs)        769356300.0    Conv. (cfs)            312304300.0   81890300.0   375161700.0
  Length Wtd. (ft)             5.00    Wetted Per. (ft)        15777.80    1393.19   19258.91
  Min Ch El (ft)             567.49    Shear (lb/sq ft)            0.46       0.88       0.45
  Alpha                        1.06    Stream Power (lb/ft s)      0.83       2.46       0.81
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    79023.28   14780.32   95289.64
  C & E Loss (ft)              0.00    Cum SA (acres)            670.00      67.90     779.62


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275004.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  197.49  791.62  642.54  774.38  1353.7  760.99 1532.65  752.79
 1818.44  745.93 1986.04  743.55 2336.52  743.55 2671.09   741.8 3569.69  723.95
 3641.55  720.06 3732.87  716.45  3744.2  716.26 3945.99   716.5    4126  713.55
 4269.08  710.44 4422.71  705.99 4798.22  696.84 5255.87  690.43 5596.46   688.1
 5743.03  686.62  5902.5  679.65 5971.12  672.98 6334.57  671.79 6684.73  675.25
 6825.99   677.1 7046.66   664.2 7213.55  657.75 7284.95   651.3 7334.09   651.3
 7484.89   655.8 7703.01  665.86 7766.16  666.27 7895.97  669.67 8260.35  667.58
 8308.38  671.03 8463.41  679.86 8757.33  668.59 8771.45  667.08 8944.62   654.6
  9083.7  654.15 9338.68  666.24 9513.92  665.68  9697.5   652.2 9884.21  648.15
10028.85  638.3710046.12  638.0510136.06  625.1510304.81   605.8 10362.3   605.8
10404.43  611.6810531.57  640.0810639.53  655.1511028.47  649.66 11187.1  643.87
11243.09  639.5311456.54  636.5211709.65  640.0512010.84   635.812647.82  629.35
 14114.8  629.3514356.25   625.814976.93   625.815454.43  632.25 15514.7   638.7
15809.61  634.05 15816.6  630.3915923.59  628.4116584.68  600.8517147.48   592.9
17240.78  585.84 17569.3  583.6917654.05  576.6817787.43  567.4918279.46  567.49
 18412.2   571.518539.46   592.918625.25  608.8618643.62  611.05 18874.2  626.47
19299.81  632.4319720.81   633.121763.12  627.7521874.56  627.7522096.54   628.7
   22435  626.59   23389  630.6523637.94   637.125258.62  643.5525628.44  646.61
26037.71  651.1626666.82  665.8426883.44  666.4527961.29  666.4528575.73   662.9
28840.57   662.929395.72  656.4529625.61   652.729791.52  650.5729926.92  644.58
30070.66  645.0730355.01  652.4930666.16  655.1531728.15  671.2632370.57  674.57
33306.69  704.2333444.68  704.9434041.42  686.7134074.98  686.8835616.23  723.21
36625.25  725.4136816.21  729.4437156.54  744.7237196.63  745.6937493.13  749.26
37813.88  760.5237966.79   764.238715.67     79039388.68  794.2939728.07     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517147.48    .1518539.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17147.4818539.46                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
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  E.G. Elev (ft)            759.84    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.78    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508086.00   256124.80   1823580.00
  E.G. Slope (ft/ft)      0.000076    Area (sq ft)            1508086.00   256124.80   1823580.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2730930.00   716902.50   3282168.00
  Top Width (ft)          36412.85    Top Width (ft)          15767.44    1391.98   19253.43
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)           1.81       2.80       1.80
  Max Chl Dpth (ft)         192.29    Hydr. Depth (ft)          95.65     184.00      94.71
  Conv. Total (cfs)       769525200.0    Conv. (cfs)            312261400.0   81972440.0   375291400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15781.32    1394.71   19258.17
  Min Ch El (ft)            567.49    Shear (lb/sq ft)           0.46       0.88       0.45
  Alpha                       1.06    Stream Power (lb/ft s)     0.83       2.45       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    78850.18   14750.94   95080.34
  C & E Loss (ft)             0.00    Cum SA (acres)            668.19      67.74     777.41


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 275002.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  197.54  791.62  642.69  774.37    1354  760.98 1532.99  752.78
 1818.85  745.93 1986.48  743.54 2337.04  743.54 2671.68  741.79 3570.48  723.97
 3642.36  720.08  3733.7  716.46 3745.02  716.27 3946.86   716.5 4126.92  713.54
 4270.03  710.42 4423.68  705.98 4799.28  696.82 5257.03  690.41  5597.7  688.08
  5744.3   686.6 5903.81  679.62 5972.44  672.94 6335.98  671.76 6686.21  675.22
  6827.5  677.08 7048.22  664.16 7215.15   657.7 7286.56  651.24 7335.71  651.24
 7486.55  655.75 7704.72  665.81 7767.88  666.22 7897.71  669.65 8262.18  667.58
 8310.22  671.04 8465.28  679.91 8759.26  668.68 8773.39  667.17  8946.6  654.67
 9085.71  654.23 9340.74  666.34 9516.02  665.78 9699.64  652.27  9886.4  648.22
10031.07  638.4610048.35  638.14 10138.3  625.2210307.09  605.8410364.59  605.84
10406.73  611.73 10533.9  640.1310641.88  655.2211030.91  649.7211189.57  643.94
11245.57  639.6111459.07  636.5911712.24   640.1 12013.5  635.8412650.62  629.38
14117.92  629.3814359.43  625.8414980.24  625.8415457.85   632.315518.13  638.76
 15813.1   634.1 15820.1  630.4515927.11  628.4816588.35  600.8817151.28  592.92
17244.71  585.8517573.71  583.7117658.59  576.6917792.16  567.4918284.43  567.49
18417.35   571.518544.78  592.9218630.55  608.8618648.93  611.0518879.47  626.43
19305.04   632.419725.99  633.0621768.07   627.721879.51   627.722101.46  628.65
22439.88  626.5523393.78  630.6223642.68  637.0825263.18  643.5425632.96  646.61
26042.19  651.1526671.22  665.8526887.82  666.4627965.54  666.4628579.92  662.92
28844.73  662.9229399.82  656.4629629.68  652.7129795.57  650.5629930.96  644.57
30074.68  645.05   30359  652.4830670.11  655.1431731.99  671.2332374.33  674.54
33310.35  704.1533448.32  704.8634044.99  686.6934078.55  686.8635619.62  723.12
36628.53  725.3436819.48  729.3837159.76  744.6537199.85  745.6237496.32  749.22
37817.02  760.4837969.92  764.1638718.72     79039391.66  794.2939731.01     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517151.28     .1518544.78     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17151.2818544.78                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.84    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.78    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508084.00   256390.40   1823930.00
  E.G. Slope (ft/ft)      0.000076    Area (sq ft)            1508084.00   256390.40   1823930.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2729906.00   717465.20   3282629.00
  Top Width (ft)          36417.03    Top Width (ft)          15771.15    1393.50   19252.38
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)           1.81       2.80       1.80
  Max Chl Dpth (ft)         192.29    Hydr. Depth (ft)          95.62     183.99      94.74
  Conv. Total (cfs)       769691500.0    Conv. (cfs)            312211800.0   82054510.0   375425200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15785.04    1396.23   19257.11
  Min Ch El (ft)            567.49    Shear (lb/sq ft)           0.46       0.88       0.45
  Alpha                       1.06    Stream Power (lb/ft s)     0.83       2.45       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    78677.08   14721.52   94871.01
  C & E Loss (ft)             0.00    Cum SA (acres)            666.38      67.58     775.20


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274999.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  197.58  791.61  642.83  774.35  1354.3  760.98 1533.33  752.77
 1819.25  745.92 1986.92  743.53 2337.56  743.53 2672.27  741.77 3571.27  723.99
 3643.16  720.09 3734.53  716.47 3745.85  716.28 3947.73  716.49 4127.83  713.53
 4270.97  710.41 4424.66  705.96 4800.34   696.8  5258.2   690.4 5598.94  688.06
 5745.57  686.58 5905.11   679.6 5973.76   672.9 6337.38  671.73 6687.69   675.2
 6829.01  677.06 7049.77  664.12 7216.74  657.65 7288.17  651.18 7337.33  651.18
  7488.2   655.7 7706.42  665.76 7769.59  666.18 7899.46  669.62 8264.01  667.59
 8312.06  671.06 8467.15  679.97  8761.2  668.77 8775.33  667.25 8948.58  654.74
 9087.72   654.3 9342.81  666.43 9518.12  665.87 9701.79  652.35 9888.58  648.29
10033.28  638.5510050.57  638.2310140.54  625.2910309.37  605.8810366.88  605.88
10409.04  611.7810536.23  640.1710644.23  655.2911033.34  649.7811192.05  644.01
11248.06  639.6911461.61  636.6711714.83  640.1412016.16  635.8812653.42  629.41
14121.05  629.41 14362.6  625.8814983.55  625.8815461.27  632.3515521.56  638.82
 15816.6  634.15 15823.6  630.5115930.64  628.5416592.02   600.917155.07  592.94
17248.64  585.8617578.12  583.7217663.13   576.7 17796.9  567.4918289.41  567.49
 18422.5  571.49 18550.1  592.9418635.86  608.8618654.23  611.0418884.75  626.39
19310.27  632.3619731.17  633.0121773.03  627.6521884.45  627.6522106.38   628.6
22444.76  626.5123398.55  630.5923647.43  637.0625267.74  643.5325637.48   646.6
26046.66  651.1526675.62  665.86 26892.2  666.47 27969.8  666.4728584.11  662.94
28848.89  662.9429403.92  656.4729633.75  652.7129799.62  650.56   29935  644.55
 30078.7  645.0430362.99  652.4730674.06  655.1431735.82   671.232378.09  674.52
   33314  704.0633451.97  704.7734048.57  686.6734082.12  686.8435623.02  723.03
36631.81  725.2736822.74  729.3237162.98  744.5837203.07  745.55 37499.5  749.17
37820.18  760.4337973.05  764.1238721.77     79039394.63   794.339733.95     800

Manning's n Values        num=       3
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     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517155.07     .15 18550.1     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17155.07 18550.1                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.84    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.78    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508099.00   256661.00   1824294.00
  E.G. Slope (ft/ft)      0.000076    Area (sq ft)            1508099.00   256661.00   1824294.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2728915.00   718036.90   3283048.00
  Top Width (ft)          36421.32    Top Width (ft)          15774.66    1395.03   19251.64
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.81       2.80       1.80
  Max Chl Dpth (ft)         192.29    Hydr. Depth (ft)           95.60     183.98      94.76
  Conv. Total (cfs)       769869200.0    Conv. (cfs)            312170500.0   82138860.0   375559900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15788.56    1397.76   19256.36
  Min Ch El (ft)            567.49    Shear (lb/sq ft)            0.46       0.88       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.82       2.45       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    78503.98   14692.08   94661.63
  C & E Loss (ft)             0.00    Cum SA (acres)            664.57      67.42     772.99


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274996.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  197.62  791.61  642.97  774.34  1354.6  760.98 1533.67  752.77
 1819.65  745.92 1987.36  743.52 2338.07  743.52 2672.87  741.76 3572.06     724
 3643.97  720.11 3735.35  716.48 3746.68  716.29  3948.6  716.49 4128.74  713.52
 4271.92   710.4 4425.64  705.94  4801.4  696.79 5259.36  690.38 5600.18  688.05
 5746.84  686.57 5906.42  679.57 5975.08  672.87 6338.78  671.69 6689.17  675.18
 6830.52  677.04 7051.33  664.08 7218.34   657.6 7289.78  651.12 7338.95  651.12
 7489.86  655.64 7708.12  665.71 7771.31  666.13 7901.21  669.59 8265.83   667.6
  8313.9  671.08 8469.02  680.03 8763.14  668.86 8777.27  667.34 8950.55  654.81
 9089.73  654.37 9344.87  666.53 9520.23  665.97 9703.93  652.43 9890.77  648.37
 10035.5  638.6410052.79  638.3210142.79  625.3610311.65  605.9210369.17  605.92
10411.34  611.8310538.56  640.2210646.59  655.3611035.78  649.8511194.52  644.08
11250.55  639.7611464.14  636.7411717.42  640.1912018.81  635.9212656.22  629.44
14124.17  629.4414365.78  625.9214986.87  625.9215464.69   632.4   15525  638.88
 15820.1  634.21 15827.1  630.5815934.16   628.616595.69  600.9317158.86  592.96
17252.57  585.8717582.54  583.7417667.67  576.7117801.63  567.4918294.39  567.49
18427.65  571.4918555.42  592.9618641.17  608.8618659.54  611.0418890.03  626.36
 19315.5  632.3319736.36  632.9721777.98   627.621889.39   627.622111.29  628.55
22449.64  626.4823403.32  630.5623652.17  637.04 25272.3  643.52   25642   646.6
26051.13  651.1526680.03  665.8726896.58  666.4827974.06  666.48 28588.3  662.96
28853.04  662.9629408.01  656.4829637.82  652.7229803.68  650.5629939.04  644.54
30082.72  645.0330366.97  652.4730678.02  655.1331739.65  671.1832381.85  674.49
33317.66  703.9733455.61  704.6934052.14  686.65 34085.7  686.8235626.42  722.95
 36635.1   725.2   36826  729.2537166.21  744.5137206.29  745.4837502.69  749.12
37823.32  760.3937976.18  764.0838724.82     790 39397.6  794.3139736.88     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517158.86     .1518555.42     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17158.8618555.42                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.84    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.78    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508088.00   256928.60   1824613.00
  E.G. Slope (ft/ft)      0.000076    Area (sq ft)            1508088.00   256928.60   1824613.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2727927.00   718613.80   3283459.00
  Top Width (ft)          36425.30    Top Width (ft)          15778.13    1396.56   19250.60
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.81       2.80       1.80
  Max Chl Dpth (ft)         192.29    Hydr. Depth (ft)           95.58     183.97      94.78
  Conv. Total (cfs)       770025100.0    Conv. (cfs)            312120700.0   82221500.0   375682900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15792.05    1399.29   19255.31
  Min Ch El (ft)            567.49    Shear (lb/sq ft)            0.46       0.88       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.82       2.45       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    78330.88   14662.60   94452.20
  C & E Loss (ft)             0.00    Cum SA (acres)            662.75      67.26     770.78


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274993.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  197.67   791.6  643.11  774.33  1354.9  760.98    1534  752.76
 1820.05  745.91  1987.8  743.51 2338.59  743.51 2673.46  741.75 3572.85  724.02
 3644.77  720.12 3736.18  716.49 3747.51   716.3 3949.48  716.48 4129.65  713.51
 4272.86  710.38 4426.62  705.93 4802.46  696.77 5260.52  690.37 5601.42  688.03
 5748.11  686.55 5907.73  679.54  5976.4  672.83 6340.18  671.66 6690.65  675.15
 6832.03  677.02 7052.89  664.04 7219.93  657.55 7291.39  651.06 7340.58  651.06
 7491.52  655.59 7709.83  665.65 7773.03  666.09 7902.95  669.56 8267.66   667.6
 8315.73   671.1  8470.9  680.08 8765.08  668.95 8779.21  667.43 8952.53  654.88
 9091.74  654.45 9346.94  666.62 9522.33  666.07 9706.08  652.51 9892.96  648.44
10037.72  638.7310055.01  638.4110145.03  625.4310313.93  605.9610371.46  605.96
10413.64  611.8810540.89  640.2710648.94  655.4311038.22  649.91   11197  644.15
11253.03  639.8411466.68  636.8111720.01  640.2412021.47  635.9612659.01  629.47
14127.29  629.4714368.95  625.9614990.18  625.9615468.11  632.4515528.43  638.94
15823.59  634.26 15830.6  630.6415937.68  628.6616599.35  600.9517162.66  592.98
 17256.5  585.8917586.95  583.7617672.21  576.7217806.37  567.4918299.37  567.49
 18432.8  571.4818560.73  592.9818646.47  608.8518664.84  611.0418895.31  626.32
19320.74  632.2919741.54  632.9321782.94  627.5521894.33  627.5522116.21   628.5
22454.52  626.4423408.09  630.5323656.91  637.0225276.86  643.5125646.52  646.59
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26055.61  651.1426684.43  665.8826900.96  666.4927978.32  666.4928592.49  662.98
28857.21  662.9829412.11  656.4929641.89  652.7229807.73  650.5629943.07  644.53
30086.74  645.0130370.96  652.4630681.97  655.1231743.49  671.1532385.62  674.47
33321.32  703.8933459.25   704.634055.71  686.6334089.27   686.835629.82  722.86
36638.38  725.1336829.26  729.1937169.43  744.4437209.51  745.4137505.88  749.07
37826.47  760.3437979.32  764.0438727.87     79039400.57  794.3139739.82     800

Manning's n Values        num=       3
     Sta   n Val      Sta   n Val     Sta   n Val
       0     .1517162.66     .1518560.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17162.6618560.73                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.84    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.78    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508100.00   257191.50   1824974.00
  E.G. Slope (ft/ft)      0.000076    Area (sq ft)            1508100.00   257191.50   1824974.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2726947.00   719161.10   3283892.00
  Top Width (ft)          36429.58    Top Width (ft)          15781.65    1398.07   19249.86
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.81       2.80       1.80
  Max Chl Dpth (ft)         192.29    Hydr. Depth (ft)           95.56     183.96      94.80
  Conv. Total (cfs)       770197300.0    Conv. (cfs)            312078300.0   82302510.0   375816500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15795.58    1400.81   19254.56
  Min Ch El (ft)            567.49    Shear (lb/sq ft)            0.46       0.88       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.82       2.45       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    78157.77   14633.10   94242.74
  C & E Loss (ft)             0.00    Cum SA (acres)            660.94      67.10     768.58


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274990.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  197.71   791.6  643.25  774.32  1355.2  760.97 1534.34  752.75
 1820.45   745.9 1988.24   743.5 2339.11   743.5 2674.05  741.74 3573.64  724.04
 3645.58  720.14    3737   716.5 3748.34  716.31 3950.35  716.48 4130.57   713.5
 4273.81  710.37  4427.6  705.91 4803.52  696.75 5261.68  690.35 5602.65  688.01
 5749.38  686.53 5909.03  679.52 5977.72   672.8 6341.58  671.63 6692.12  675.13
 6833.54     677 7054.45     664 7221.53   657.5    7293     651  7342.2     651
 7493.17  655.54 7711.53   665.6 7774.75  666.04  7904.7  669.54 8269.49  667.61
 8317.57  671.11 8472.77  680.14 8767.01  669.03 8781.15  667.52 8954.51  654.96
 9093.74  654.52    9349  666.72 9524.44  666.16 9708.22  652.59 9895.14  648.52
10039.94  638.8210057.23   638.510147.27   625.510316.21     60610373.76     606
10415.94  611.9310543.22  640.3110651.29   655.511040.66  649.9711199.47  644.21
11255.52  639.9211469.21  636.88 11722.6  640.2812024.13     63612661.81   629.5
14130.41   629.514372.13     62614993.49     62615471.53   632.515531.86     639
15827.09  634.31 15834.1   630.7 15941.2  628.7216603.02  600.9817166.45     593
17260.43   585.917591.36  583.7817676.74  576.73 17811.1  567.4818304.35  567.48
18437.96  571.4818566.05     59318651.78  608.8518670.15  611.0318900.59  626.28
19325.97  632.2619746.73  632.8921787.89   627.521899.28   627.522121.13  628.45
22459.39  626.4123412.86   630.523661.66     63725281.43   643.525651.04  646.59
26060.08  651.1426688.83   665.926905.34   666.527982.58   666.528596.68     663
28861.36     66329416.21   656.529645.96  652.7229811.78  650.5629947.11  644.51
30090.76     64530374.95  652.4530685.93  655.1131747.32  671.1232389.38  674.45
33324.98   703.833462.89  704.5134059.29  686.6134092.84  686.7835633.21  722.77
36641.66  725.0636832.53  729.1337172.66  744.3737212.73  745.3437509.06  749.03
37829.62   760.337982.45     76438730.91     79039403.55  794.3239742.75     800

Manning's n Values        num=       3
     Sta   n Val      Sta   n Val     Sta   n Val
       0     .1517166.45     .1518566.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17166.4518566.05                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.84    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.78    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508099.00   257465.50   1825309.00
  E.G. Slope (ft/ft)      0.000076    Area (sq ft)            1508099.00   257465.50   1825309.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2725931.00   719758.10   3284311.00
  Top Width (ft)          36433.76    Top Width (ft)          15785.34    1399.60   19248.82
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.81       2.80       1.80
  Max Chl Dpth (ft)         192.30    Hydr. Depth (ft)           95.54     183.96      94.83
  Conv. Total (cfs)       770363000.0    Conv. (cfs)            312029200.0   82388560.0   375945200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15799.29    1402.34   19253.51
  Min Ch El (ft)            567.48    Shear (lb/sq ft)            0.45       0.87       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.82       2.45       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    77984.66   14603.56   94033.24
  C & E Loss (ft)             0.00    Cum SA (acres)            659.13      66.94     766.37


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274987.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  197.75  791.59   643.4   774.3  1355.5  760.97 1534.68  752.74
 1820.86   745.9 1988.68  743.49 2339.62  743.49 2674.64  741.72 3574.43  724.05
 3646.38  720.15 3737.83  716.51 3749.17  716.32 3951.22  716.47 4131.48  713.49
 4274.75  710.35 4428.57  705.89 4804.59  696.73 5262.85  690.34 5603.89  687.99
 5750.65  686.51 5910.34  679.49 5979.04  672.76 6342.98  671.59  6693.6  675.11
 6835.05  676.98 7056.01  663.96 7223.13  657.45 7294.61  650.94 7343.82  650.94
 7494.83  655.48 7713.24  665.55 7776.47  665.99 7906.44  669.51 8271.31  667.62
 8319.41  671.13 8474.64   680.2 8768.95  669.12 8783.09  667.61 8956.49  655.03
 9095.75  654.59 9351.07  666.81 9526.54  666.26 9710.37  652.67 9897.33  648.59
10042.16  638.9110059.46  638.5910149.51  625.5710318.49  606.0410376.05  606.04
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10418.24  611.9810545.55  640.3610653.65  655.57 11043.1  650.0311201.95  644.28
11258.01  639.9911471.75  636.9511725.19  640.3312026.78  636.0412664.61  629.53
14133.54  629.53 14375.3  626.0414996.81  626.0415474.94  632.5515535.29  639.06
15830.59  634.36 15837.6  630.7615944.73  628.7816606.69  601.0117170.24  593.02
17264.36  585.9117595.78   583.817681.28  576.7417815.83  567.4818309.33  567.48
18443.11  571.4718571.37  593.0218657.09  608.8518675.45  611.0318905.87  626.25
 19331.2  632.2219751.91  632.8521792.84  627.4521904.22  627.4522126.04   628.4
22464.27  626.3723417.63  630.47 23666.4  636.9825285.99  643.4925655.56  646.58
26064.55  651.1426693.24  665.9126909.71  666.5127986.83  666.5128600.87  663.02
28865.52  663.02 29420.3  656.5129650.03  652.7329815.83  650.5629951.14   644.5
30094.78  644.9830378.94  652.4530689.88  655.1131751.16  671.0932393.14  674.42
33328.63  703.7133466.53  704.4334062.86  686.5934096.41  686.7635636.61  722.68
36644.95  724.9936835.79  729.0637175.88   744.337215.95  745.2737512.25  748.98
37832.77  760.2537985.58  763.9638733.96     79039406.52  794.3339745.68     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517170.24     .1518571.37     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17170.2418571.37                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.84    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.78    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508115.00   257733.60   1825660.00
  E.G. Slope (ft/ft)      0.000076    Area (sq ft)            1508115.00   257733.60   1825660.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2724963.00   720322.20   3284715.00
  Top Width (ft)          36438.04    Top Width (ft)          15788.85    1401.13   19248.06
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.81       2.79       1.80
  Max Chl Dpth (ft)         192.30    Hydr. Depth (ft)           95.52     183.95      94.85
  Conv. Total (cfs)       770535600.0    Conv. (cfs)            311988300.0   82471600.0   376075700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15802.81    1403.87   19252.74
  Min Ch El (ft)            567.48    Shear (lb/sq ft)            0.45       0.87       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.82       2.44       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    77811.55   14573.99   93823.70
  C & E Loss (ft)             0.00    Cum SA (acres)            657.32      66.78     764.16


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274984.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   197.8  791.59  643.54  774.29  1355.8  760.97 1535.02  752.73
 1821.26  745.89 1989.12  743.48 2340.14  743.48 2675.23  741.71 3575.22  724.07
 3647.19  720.17 3738.65  716.52 3749.99  716.33  3952.1  716.47 4132.39  713.48
 4275.69  710.34 4429.55  705.88 4805.65  696.71 5264.01  690.32 5605.13  687.97
 5751.92  686.49 5911.64  679.46 5980.36  672.72 6344.38  671.56 6695.08  675.09
 6836.56  676.96 7057.57  663.92 7224.72   657.4 7296.23  650.88 7345.44  650.88
 7496.48  655.43 7714.94  665.49 7778.18  665.95 7908.19  669.48 8273.14  667.62
 8321.25  671.15 8476.51  680.25 8770.89  669.21 8785.03   667.7 8958.47   655.1
 9097.76  654.66 9353.14  666.91 9528.65  666.36 9712.51  652.74 9899.52  648.67
10044.38     63910061.68  638.6810151.75  625.6410320.77  606.0810378.34  606.08
10420.54  612.0310547.88  640.41   10656  655.6411045.54  650.0911204.42  644.35
 11260.5  640.0711474.28  637.0311727.78  640.3812029.44  636.0812667.41  629.56
14136.66  629.5614378.48  626.0815000.12  626.0815478.36   632.615538.72  639.12
15834.08  634.4215841.09  630.8315948.25  628.8416610.36  601.0317174.04  593.04
17268.29  585.9217600.19  583.8117685.82  576.7517820.57  567.4818314.31  567.48
18448.26  571.4718576.68  593.04 18662.4  608.8518680.76  611.0318911.15  626.21
19336.43  632.19 19757.1  632.81 21797.8   627.421909.16   627.422130.96  628.36
22469.15  626.3323422.41  630.4423671.14  636.9625290.55  643.4825660.08  646.57
26069.03  651.1326697.64  665.9226914.09  666.5227991.09  666.5228605.05  663.04
28869.68  663.04 29424.4  656.52 29654.1  652.7329819.88  650.5529955.18  644.49
 30098.8  644.9730382.93  652.4430693.83   655.131754.99  671.06 32396.9   674.4
33332.29  703.6333470.18  704.3434066.44  686.5734099.98  686.7435640.01  722.59
36648.23  724.9136839.05    72937179.11  744.2337219.17   745.237515.43  748.93
37835.93   760.237988.71  763.9238737.01     790 39409.5  794.3339748.62     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517174.04     .1518576.68     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17174.0418576.68                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.84    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.78    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508118.00   257999.80   1826018.00
  E.G. Slope (ft/ft)      0.000076    Area (sq ft)            1508118.00   257999.80   1826018.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2723967.00   720885.10   3285148.00
  Top Width (ft)          36442.33    Top Width (ft)          15792.37    1402.64   19247.32
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.81       2.79       1.80
  Max Chl Dpth (ft)         192.30    Hydr. Depth (ft)           95.50     183.94      94.87
  Conv. Total (cfs)       770705700.0    Conv. (cfs)            311943100.0   82554270.0   376208400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15806.34    1405.38   19252.00
  Min Ch El (ft)            567.48    Shear (lb/sq ft)            0.45       0.87       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.82       2.44       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    77638.45   14544.39   93614.13
  C & E Loss (ft)             0.00    Cum SA (acres)            655.51      66.62     761.95


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274981.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  197.84  791.59  643.68  774.28  1356.1  760.96 1535.36  752.73
 1821.66  745.88 1989.56  743.47 2340.66  743.47 2675.82   741.7 3576.01  724.09
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    3648  720.18 3739.48  716.53 3750.82  716.34 3952.97  716.46  4133.3  713.47
 4276.64  710.32 4430.53  705.86 4806.71  696.69 5265.17  690.31 5606.37  687.95
 5753.19  686.47 5912.95  679.43 5981.68  672.69 6345.78  671.53 6696.56  675.06
 6838.07  676.94 7059.13  663.88 7226.32  657.35 7297.84  650.82 7347.07  650.82
 7498.14  655.38 7716.64  665.44  7779.9   665.9 7909.94  669.46 8274.97  667.63
 8323.08  671.16 8478.38  680.31 8772.82   669.3 8786.97  667.79 8960.45  655.17
 9099.77  654.74  9355.2     667 9530.75  666.45 9714.66  652.82  9901.7  648.74
10046.59  639.09 10063.9  638.77   10154  625.7110323.04  606.1210380.63  606.12
10422.84  612.0810550.21  640.4510658.35  655.7111047.98  650.1511206.89  644.42
11262.98  640.1511476.81   637.111730.37  640.42 12032.1  636.1212670.21  629.59
14139.78  629.5914381.66  626.1215003.43  626.1215481.78  632.6515542.16  639.18
15837.58  634.4715844.59  630.8915951.77   628.916614.03  601.0617177.83  593.06
17272.22  585.93 17604.6  583.8317690.36  576.76 17825.3  567.4818319.29  567.48
18453.41  571.47   18582  593.0618667.71  608.8518686.06  611.0218916.43  626.17
19341.66  632.1519762.28  632.7621802.75  627.35 21914.1  627.3522135.88  628.31
22474.03   626.323427.18  630.4123675.89  636.9425295.11  643.47 25664.6  646.57
 26073.5  651.1326702.04  665.9326918.47  666.5327995.35  666.5328609.24  663.06
28873.84  663.06 29428.5  656.5329658.17  652.7429823.94  650.5529959.22  644.47
30102.83  644.9530386.92  652.4330697.79  655.0931758.83  671.0332400.67  674.38
33335.95  703.5433473.82  704.2634070.01  686.5534103.55  686.72 35643.4  722.51
36651.52  724.8436842.31  728.9437182.33  744.1637222.39  745.1437518.62  748.88
37839.07  760.1637991.85  763.8838740.06     79039412.47  794.3439751.55     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517177.83     .15   18582     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17177.83   18582                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.84    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.78    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508120.00   258266.90   1826359.00
  E.G. Slope (ft/ft)      0.000076    Area (sq ft)            1508120.00   258266.90   1826359.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2722964.00   721450.50   3285585.00
  Top Width (ft)          36446.48    Top Width (ft)          15796.03    1404.17   19246.28
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.81       2.79       1.80
  Max Chl Dpth (ft)         192.30    Hydr. Depth (ft)           95.47     183.93      94.89
  Conv. Total (cfs)       770871200.0    Conv. (cfs)            311895200.0   82636760.0   376339200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15810.02    1406.91   19250.95
  Min Ch El (ft)            567.48    Shear (lb/sq ft)            0.45       0.87       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.82       2.44       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    77465.34   14514.76   93404.51
  C & E Loss (ft)             0.00    Cum SA (acres)            653.69      66.46     759.74


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274978.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  197.89  791.58  643.82  774.27  1356.4  760.96  1535.7  752.72
 1822.06  745.88    1990  743.46 2341.17  743.46 2676.41  741.69 3576.79   724.1
  3648.8   720.2 3740.31  716.54 3751.65  716.35 3953.84  716.45 4134.22  713.46
 4277.58  710.31 4431.51  705.84 4807.77  696.67 5266.33  690.29 5607.61  687.93
 5754.46  686.45 5914.25  679.41    5983  672.65 6347.19  671.49 6698.04  675.04
 6839.58  676.92 7060.69  663.84 7227.91   657.3 7299.45  650.76 7348.69  650.76
 7499.79  655.33 7718.35  665.39 7781.62  665.86 7911.68  669.43  8276.8  667.64
 8324.92  671.18 8480.26  680.37 8774.76  669.39 8788.91  667.87 8962.43  655.24
 9101.78  654.81 9357.27   667.1 9532.86  666.55  9716.8   652.9 9903.89  648.82
10048.81  639.1810066.12  638.8610156.24  625.7810325.32  606.1610382.92  606.16
10425.15  612.1210552.54   640.510660.71  655.7811050.42  650.2211209.37  644.49
11265.47  640.2211479.35  637.1711732.96  640.4712034.75  636.16   12673  629.62
 14142.9  629.6214384.83  626.1615006.75  626.16 15485.2   632.715545.59  639.24
15841.08  634.5215848.09  630.9515955.29  628.96 16617.7  601.0817181.62  593.08
17276.15  585.9417609.02  583.8517694.89  576.7717830.04  567.4818324.27  567.48
18458.56  571.4618587.32  593.0818673.01  608.8518691.37  611.0218921.71  626.14
19346.89  632.1219767.46  632.7221807.71   627.321919.04   627.322140.79  628.26
22478.91  626.2623431.95  630.3823680.63  636.9225299.67  643.4625669.12  646.56
26077.98  651.1326706.45  665.9426922.85  666.5427999.61  666.5428613.43  663.08
   28878  663.0829432.59  656.5429662.24  652.7429827.99  650.5529963.26  644.46
30106.85  644.9430390.91  652.4330701.74  655.0831762.66     67132404.43  674.35
33339.61  703.4533477.46  704.1734073.59  686.5334107.12   686.7 35646.8  722.42
 36654.8  724.7736845.57  728.8737185.55  744.0937225.61  745.0737521.81  748.83
37842.23  760.1137994.98  763.8438743.11     79039415.44  794.3539754.49     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517181.62     .1518587.32     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17181.6218587.32                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.84    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.78    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508129.00   258535.60   1826716.00
  E.G. Slope (ft/ft)      0.000076    Area (sq ft)            1508129.00   258535.60   1826716.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2721979.00   722015.70   3286006.00
  Top Width (ft)          36450.77    Top Width (ft)          15799.54    1405.70   19245.53
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.80       2.79       1.80
  Max Chl Dpth (ft)         192.30    Hydr. Depth (ft)           95.45     183.92      94.92
  Conv. Total (cfs)       771043600.0    Conv. (cfs)            311852100.0   82719990.0   376471600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15813.55    1408.45   19250.19
  Min Ch El (ft)            567.48    Shear (lb/sq ft)            0.45       0.87       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.82       2.44       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    77292.23   14485.10   93194.85
  C & E Loss (ft)             0.00    Cum SA (acres)            651.88      66.30     757.53


CROSS SECTION


RIVER: BRAZOS
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REACH: UPPER BRAZOS       RS: 274975.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  197.93  791.58  643.97  774.25 1356.69  760.96 1536.04  752.71
 1822.47  745.87 1990.44  743.45 2341.69  743.45    2677  741.67 3577.58  724.12
 3649.61  720.22 3741.13  716.55 3752.48  716.36 3954.71  716.45 4135.13  713.45
 4278.53  710.29 4432.49  705.83 4808.83  696.65  5267.5  690.28 5608.84  687.92
 5755.73  686.44 5915.56  679.38 5984.32  672.61 6348.59  671.46 6699.52  675.02
 6841.08   676.9 7062.24   663.8 7229.51  657.25 7301.06   650.7 7350.31   650.7
 7501.45  655.27 7720.05  665.34 7783.34  665.81 7913.43   669.4 8278.62  667.64
 8326.76   671.2 8482.13  680.43  8776.7  669.48 8790.85  667.96  8964.4  655.31
 9103.79  654.88 9359.33  667.19 9534.96  666.65 9718.95  652.98 9906.08  648.89
10051.03  639.2710068.34  638.9510158.48  625.85 10327.6   606.210385.22   606.2
10427.45  612.1710554.87  640.5510663.06  655.8511052.86  650.2811211.84  644.55
11267.96   640.311481.88  637.2411735.55  640.5212037.41   636.2 12675.8  629.65
14146.02  629.6514388.01   626.215010.06   626.215488.62  632.7515549.02   639.3
15844.58  634.5815851.59  631.0115958.81  629.0216621.37  601.1117185.41   593.1
17280.09  585.9617613.43  583.8717699.43  576.7817834.77  567.4818329.24  567.48
18463.71  571.4618592.63   593.118678.32  608.8418696.67  611.0218926.99   626.1
19352.12  632.0819772.65  632.6821812.66  627.2521923.98  627.2522145.71  628.21
22483.79  626.2223436.72  630.3523685.38   636.925304.23  643.4525673.64  646.56
26082.45  651.1326710.85  665.9526927.23  666.5528003.87  666.5528617.62   663.1
28882.16   663.129436.69  656.5529666.31  652.7529832.04  650.5529967.29  644.45
30110.87  644.9330394.89  652.4230705.69  655.08 31766.5  670.9732408.19  674.33
33343.26  703.37 33481.1  704.0934077.16   686.534110.69  686.68 35650.2  722.33
36658.08   724.736848.84  728.8137188.78  744.0237228.83     74537524.99  748.79
37845.38  760.0737998.11   763.838746.16     79039418.41  794.3539757.43     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517185.41     .1518592.63     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17185.4118592.63                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.84    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.78    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508130.00   258798.70   1827051.00
  E.G. Slope (ft/ft)      0.000076    Area (sq ft)            1508130.00   258798.70   1827051.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2720999.00   722567.80   3286434.00
  Top Width (ft)          36454.77    Top Width (ft)          15803.06    1407.22   19244.50
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.80       2.79       1.80
  Max Chl Dpth (ft)         192.30    Hydr. Depth (ft)           95.43     183.91      94.94
  Conv. Total (cfs)       771206800.0    Conv. (cfs)            311805800.0   82800770.0   376600300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15817.08    1409.97   19249.15
  Min Ch El (ft)            567.48    Shear (lb/sq ft)            0.45       0.87       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.82       2.44       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    77119.12   14455.41   92985.16
  C & E Loss (ft)             0.00    Cum SA (acres)            650.07      66.14     755.32


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274972.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  197.97  791.57  644.11  774.24 1356.99  760.96 1536.38   752.7
 1822.87  745.86 1990.88  743.44 2342.21  743.44 2677.59  741.66 3578.37  724.14
 3650.41  720.23 3741.96  716.56 3753.31  716.37 3955.59  716.44 4136.04  713.44
 4279.47  710.28 4433.47  705.81 4809.89  696.63 5268.66  690.26 5610.08   687.9
    5757  686.42 5916.86  679.35 5985.64  672.58 6349.99  671.43     6701  674.99
 6842.59  676.88  7063.8  663.76  7231.1   657.2 7302.67  650.64 7351.93  650.64
  7503.1  655.22 7721.76  665.28 7785.06  665.76 7915.18  669.37 8280.45  667.65
  8328.6  671.22    8484  680.48 8778.63  669.56 8792.79  668.05 8966.38  655.38
  9105.8  654.95  9361.4  667.29 9537.06  666.74 9721.09  653.06 9908.26  648.97
10053.25  639.3710070.57  639.0410160.72  625.9210329.88  606.2410387.51  606.24
10429.75  612.22 10557.2  640.5910665.41  655.92 11055.3  650.3411214.32  644.62
11270.44  640.3811484.42  637.3111738.14  640.5612040.07  636.24 12678.6  629.68
14149.15  629.6814391.18  626.2415013.37  626.2415492.04   632.815552.45  639.36
15848.07  634.6315855.09  631.0815962.34  629.0816625.03  601.1317189.21  593.12
17284.02  585.9717617.84  583.8817703.97  576.79 17839.5  567.4818334.22  567.48
18468.86  571.4518597.95  593.1218683.63  608.8418701.98  611.0218932.27  626.07
19357.36  632.0519777.83  632.6421817.62   627.221928.93   627.222150.63  628.16
22488.67  626.1923441.49  630.3223690.12  636.8825308.79  643.4425678.16  646.55
26086.93  651.1226715.25  665.9726931.61  666.5628008.12  666.5628621.81  663.12
28886.32  663.1229440.79  656.5629670.38  652.7529836.09  650.5529971.33  644.44
30114.89  644.9130398.88  652.4130709.65  655.0731770.33  670.9432411.95   674.3
33346.92  703.2833484.74     70434080.73  686.4834114.26  686.66 35653.6  722.24
36661.37  724.63 36852.1  728.75   37192  743.9537232.05  744.9337528.18  748.74
37848.53  760.0238001.25  763.7638749.21     79039421.39  794.3639760.36     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517189.21     .1518597.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17189.2118597.95                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.84    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.78    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508147.00   259067.20   1827405.00
  E.G. Slope (ft/ft)      0.000076    Area (sq ft)            1508147.00   259067.20   1827405.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2720029.00   723133.60   3286837.00
  Top Width (ft)          36459.05    Top Width (ft)          15806.57    1408.74   19243.74
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.80       2.79       1.80
  Max Chl Dpth (ft)         192.30    Hydr. Depth (ft)           95.41     183.90      94.96
  Conv. Total (cfs)       771381600.0    Conv. (cfs)            311765300.0   82884400.0   376731900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15820.60    1411.49   19248.38
  Min Ch El (ft)            567.48    Shear (lb/sq ft)            0.45       0.87       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.82       2.43       0.81
```

```
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    76946.01   14425.69   92775.42
  C & E Loss (ft)            0.00    Cum SA (acres)            648.25      65.98     753.11


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274969.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  198.02  791.57  644.25  774.23 1357.29  760.95 1536.72   752.7
 1823.27  745.86 1991.32  743.43 2342.73  743.43 2678.18  741.65 3579.16  724.16
 3651.22  720.25 3742.78  716.57 3754.13  716.38 3956.46  716.44 4136.96  713.43
 4280.42  710.26 4434.44  705.79 4810.95  696.61 5269.82  690.25 5611.32  687.88
 5758.27   686.4 5918.17  679.33 5986.96  672.54 6351.39  671.39 6702.48  674.97
  6844.1  676.86 7065.36  663.72  7232.7  657.15 7304.28  650.58 7353.55  650.58
 7504.76  655.17 7723.46  665.23 7786.77  665.72 7916.92  669.35 8282.28  667.66
 8330.44  671.23 8485.87  680.54 8780.57  669.65 8794.73  668.14 8968.36  655.46
 9107.81  655.03 9363.46  667.38 9539.17  666.84 9723.24  653.14 9910.45  649.04
10055.47  639.4610072.79  639.1310162.97  625.9910332.16  606.28 10389.8  606.28
10432.05  612.2710559.53  640.6410667.77  655.9911057.74   650.411216.79  644.69
11272.93  640.4511486.95  637.3911740.73  640.6112042.72  636.28 12681.4  629.71
14152.27  629.7114394.36  626.2815016.68  626.2815495.46  632.8515555.88  639.42
15851.57  634.6815858.59  631.1415965.86  629.14 16628.7  601.16   17193  593.14
17287.95  585.9817622.26   583.917708.51   576.817844.24  567.48 18339.2  567.48
18474.02  571.4518603.27  593.1418688.93  608.8418707.29  611.0118937.55  626.03
19362.59  632.0119783.02   632.621822.57  627.1521933.87  627.1522155.55  628.11
22493.55  626.1523446.27  630.2923694.87  636.8625313.36  643.4325682.68  646.55
 26091.4  651.1226719.66  665.9826935.99  666.5728012.38  666.57   28626  663.14
28890.48  663.1429444.88  656.5729674.46  652.7529840.14  650.5529975.37  644.42
30118.91   644.930402.87   652.4 30713.6  655.0631774.16  670.9132415.71  674.28
33350.57  703.1933488.38  703.9234084.31  686.4634117.83  686.6435656.99  722.15
36664.65  724.5636855.36  728.6937195.23  743.8837235.27  744.8637531.37  748.69
37851.68  759.9838004.38  763.7238752.26     79039424.36  794.37 39763.3     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   17193     .1518603.27     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         1719318603.27                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.84    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.78    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1508134.00   259334.50   1827754.00
  E.G. Slope (ft/ft)      0.000076   Area (sq ft)            1508134.00   259334.50   1827754.00
  Q Total (cfs)           6730000.00   Flow (cfs)             2718995.00   723700.30   3287305.00
  Top Width (ft)          36463.20   Top Width (ft)          15810.24    1410.27   19242.70
  Vel Total (ft/s)            1.87   Avg. Vel. (ft/s)            1.80       2.79       1.80
  Max Chl Dpth (ft)         192.30   Hydr. Depth (ft)           95.39     183.89      94.98
  Conv. Total (cfs)       771545200.0   Conv. (cfs)           311712800.0   82966930.0   376865400.0
  Length Wtd. (ft)            5.00   Wetted Per. (ft)        15824.28    1413.02   19247.33
  Min Ch El (ft)            567.48   Shear (lb/sq ft)            0.45       0.87       0.45
  Alpha                       1.06   Stream Power (lb/ft s)      0.82       2.43       0.81
  Frctn Loss (ft)             0.00   Cum Volume (acre-ft)    76772.90   14395.94   92565.65
  C & E Loss (ft)             0.00   Cum SA (acres)            646.44      65.81     750.90


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274967.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  198.06  791.56  644.39  774.22 1357.59  760.95 1537.06  752.69
 1823.67  745.85 1991.76  743.42 2343.24  743.42 2678.77  741.63 3579.95  724.17
 3652.02  720.26 3743.61  716.58 3754.96  716.39 3957.33  716.43 4137.87  713.42
 4281.36  710.25 4435.42  705.78 4812.02  696.59 5270.98  690.23 5612.56  687.86
 5759.54  686.38 5919.48   679.3 5988.29   672.5 6352.79  671.36 6703.95  674.95
 6845.61  676.84 7066.92  663.68  7234.3   657.1 7305.89  650.52 7355.18  650.52
 7506.42  655.11 7725.16  665.18 7788.49  665.67 7918.67  669.32 8284.11  667.67
 8332.27  671.25 8487.74   680.6 8782.51  669.74 8796.67  668.23 8970.34  655.53
 9109.82   655.1 9365.53  667.48 9541.27  666.94 9725.38  653.21 9912.63  649.12
10057.69  639.5510075.01  639.2210165.21  626.0610334.44  606.3210392.09  606.32
10434.35  612.3210561.86  640.6910670.12  656.0611060.18  650.4611219.27  644.76
11275.42  640.5311489.48  637.4611743.33  640.6612045.38  636.3212684.19  629.74
14155.39  629.7414397.53  626.32   15020  626.3215498.87   632.915559.31  639.48
15855.07  634.7315862.09   631.215969.38  629.2116632.37  601.1917196.79  593.16
17291.88  585.9917626.67  583.9217713.04  576.8117848.97  567.4818344.18  567.48
18479.17  571.4418608.59  593.1618694.24  608.8418712.59  611.0118942.83  625.99
19367.82  631.98 19788.2  632.5621827.53   627.121938.81   627.122160.46  628.06
22498.43  626.1123451.04  630.2623699.61  636.8425317.92  643.42 25687.2  646.54
26095.87  651.1226724.06  665.9926940.37  666.5828016.64  666.5828630.19  663.16
28894.63  663.1629448.98  656.5829678.53  652.76 29844.2  650.55 29979.4  644.41
30122.93  644.8830406.86   652.430717.55  655.05   31778  670.8832419.48  674.26
33354.23  703.1133492.02  703.8334087.88  686.44 34121.4  686.6235660.39  722.07
36667.93  724.4836858.62  728.6237198.45  743.8137238.48  744.7937534.55  748.64
37854.82  759.9338007.51  763.68 38755.3     79039427.34  794.3739766.23     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517196.79     .1518608.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17196.7918608.59                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.84    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.78    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1508141.00   259603.30   1828093.00
  E.G. Slope (ft/ft)      0.000076   Area (sq ft)            1508141.00   259603.30   1828093.00
```

```
  Q Total (cfs)           6730000.00    Flow (cfs)              2718026.00   724270.30   3287704.00
  Top Width (ft)          36467.47    Top Width (ft)          15813.74    1411.80   19241.93
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.80       2.79       1.80
  Max Chl Dpth (ft)         192.30    Hydr. Depth (ft)           95.37     183.88      95.01
  Conv. Total (cfs)       771711200.0    Conv. (cfs)             311668800.0   83050150.0   376992300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15827.81    1414.56   19246.55
  Min Ch El (ft)            567.48    Shear (lb/sq ft)            0.45       0.87       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.82       2.43       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    76599.79   14366.15   92355.83
  C & E Loss (ft)             0.00    Cum SA (acres)            644.62      65.65     748.69


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274964.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   198.1  791.56  644.53  774.21 1357.89  760.95 1537.39  752.68
 1824.07  745.85  1992.2  743.41 2343.76  743.41 2679.36  741.62 3580.74  724.19
 3652.83  720.28 3744.43  716.59 3755.79   716.4 3958.21  716.43 4138.78  713.41
  4282.3  710.23  4436.4  705.76 4813.08  696.57 5272.15  690.22  5613.8  687.84
 5760.81  686.36 5920.78  679.27 5989.61  672.47 6354.19  671.33 6705.43  674.93
 6847.12  676.82 7068.48  663.64 7235.89  657.05 7307.51  650.46  7356.8  650.46
 7508.07  655.06 7726.87  665.12 7790.21  665.63 7920.42  669.29 8285.93  667.67
 8334.11  671.27 8489.62  680.65 8784.45  669.83 8798.61  668.32 8972.32   655.6
 9111.83  655.17  9367.6  667.57 9543.38  667.03 9727.53  653.29 9914.82  649.19
 10059.9  639.6410077.23  639.3110167.45  626.1310336.72  606.3610394.39  606.36
10436.65  612.3710564.19  640.7310672.47  656.1311062.62  650.5211221.74  644.83
 11277.9  640.6111492.02  637.5311745.92   640.712048.04  636.3612686.99  629.77
14158.51  629.7714400.71  626.3615023.31  626.3615502.29  632.9515562.75  639.54
15858.56  634.7915865.58  631.26 15972.9  629.2716636.04  601.2117200.59  593.18
17295.81     58617631.08  583.9417717.58  576.8117853.71  567.4818349.16  567.48
18484.32  571.44 18613.9  593.1818699.55  608.84 18717.9  611.0118948.11  625.96
19373.05  631.9419793.38  632.5121832.48  627.0521943.75  627.0522165.38  628.02
22503.31  626.0823455.81  630.2323704.35  636.8225322.48  643.4125691.72  646.54
26100.35  651.1126728.46     66626944.75  666.59 28020.9  666.5928634.38  663.18
28898.79  663.1829453.08  656.59 29682.6  652.7629848.25  650.5429983.44   644.4
30126.95  644.8730410.85  652.3930721.51  655.0531781.83  670.8632423.24  674.23
33357.89  703.0233495.66  703.7534091.46  686.4234124.97   686.635663.79  721.98
36671.22  724.4136861.89  728.5637201.68  743.74 37241.7  744.7237537.74   748.6
37857.98  759.8838010.64  763.6438758.36     79039430.31  794.3839769.16     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517200.59     .15 18613.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17200.59 18613.9                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.84    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.78    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508150.00   259867.90   1828440.00
  E.G. Slope (ft/ft)      0.000076    Area (sq ft)            1508150.00   259867.90   1828440.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2717059.00   724827.30   3288114.00
  Top Width (ft)          36471.76    Top Width (ft)          15817.26    1413.31   19241.19
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.80       2.79       1.80
  Max Chl Dpth (ft)         192.30    Hydr. Depth (ft)           95.35     183.87      95.03
  Conv. Total (cfs)       771878800.0    Conv. (cfs)             311625600.0   83132060.0   377121100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15831.34    1416.07   19245.80
  Min Ch El (ft)            567.48    Shear (lb/sq ft)            0.45       0.87       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.81       2.43       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    76426.68   14336.34   92145.97
  C & E Loss (ft)             0.00    Cum SA (acres)            642.81      65.49     746.48


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274961.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  198.15  791.55  644.68  774.19 1358.19  760.94 1537.73  752.67
 1824.48  745.84 1992.63   743.4 2344.28   743.4 2679.96  741.61 3581.53  724.21
 3653.63  720.29 3745.26   716.6 3756.62  716.41 3959.08  716.42 4139.69   713.4
 4283.25  710.22 4437.38  705.74 4814.14  696.55 5273.31   690.2 5615.03  687.82
 5762.08  686.34 5922.09  679.24 5990.93  672.43 6355.59  671.29 6706.91   674.9
 6848.63   676.8 7070.04   663.6 7237.49     657 7309.12   650.4 7358.42   650.4
 7509.73  655.01 7728.57  665.07 7791.93  665.58 7922.16  669.27 8287.76  667.68
 8335.95  671.28 8491.49  680.71 8786.38  669.92 8800.55   668.4  8974.3  655.67
 9113.84  655.25 9369.66  667.67 9545.48  667.13 9729.67  653.37 9917.01  649.27
10062.12  639.7310079.46   639.410169.69   626.2   10339   606.410396.68   606.4
10438.95  612.4210566.52  640.7810674.83   656.211065.06  650.5811224.22  644.89
11280.39  640.6911494.55   637.6 11748.5  640.7512050.69   636.412689.79   629.8
14161.64   629.814403.88   626.415026.62   626.415505.71     63315566.18   639.6
15862.06  634.8415869.08  631.3315976.43  629.3316639.71  601.2417204.38   593.2
17299.74  586.02 17635.5  583.9617722.12  576.8217858.44  567.4718354.14  567.47
18489.47  571.4418619.22   593.218704.86  608.84 18723.2     61118953.38  625.92
19378.28  631.9119798.57  632.4721837.44     627 21948.7      627 22170.3  627.97
22508.19  626.0423460.58   630.2 23709.1   636.825327.04   643.425696.24  646.53
26104.82  651.1126732.87  666.0126949.12   666.628025.15   666.628638.56   663.2
28902.95   663.229457.17   656.629686.67  652.77 29852.3  650.5429987.48  644.38
30130.97  644.8530414.84  652.3830725.46  655.0431785.67  670.83   32427  674.21
33361.55  702.93 33499.3  703.6634095.03   686.434128.54  686.5835667.18  721.89
 36674.5  724.3436865.15   728.5 37204.9  743.6737244.93  744.6637540.93  748.55
37861.12  759.8438013.78   763.6 38761.4     79039433.28  794.39 39772.1     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517204.38     .1518619.22     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17204.3818619.22                5       5       5             .1       .3
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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.84    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.78    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508153.00   260138.90   1828791.00
  E.G. Slope (ft/ft)      0.000076    Area (sq ft)            1508153.00   260138.90   1828791.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2716040.00   725403.60   3288557.00
  Top Width (ft)          36475.93    Top Width (ft)          15820.96    1414.84   19240.13
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.80       2.79       1.80
  Max Chl Dpth (ft)         192.31    Hydr. Depth (ft)           95.33     183.86      95.05
  Conv. Total (cfs)       772050400.0    Conv. (cfs)            311577900.0   83216660.0   377255800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15835.04    1417.60   19244.74
  Min Ch El (ft)            567.47    Shear (lb/sq ft)            0.45       0.87       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.81       2.43       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    76253.57   14306.50   91936.07
  C & E Loss (ft)             0.00    Cum SA (acres)            640.99      65.33     744.28


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274958.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev
       0     800  198.19  791.55  644.82  774.18 1358.49  760.94 1538.07  752.66
 1824.88  745.83 1993.07  743.39 2344.79  743.39 2680.55   741.6 3582.32  724.22
 3654.44  720.31 3746.09  716.61 3757.45  716.42 3959.95  716.42 4140.61  713.39
 4284.19   710.2 4438.36  705.72  4815.2  696.53 5274.47  690.19 5616.27  687.81
 5763.35  686.32 5923.39  679.22 5992.25  672.39 6356.99  671.26 6708.39  674.88
 6850.14  676.78  7071.6  663.56 7239.08  656.95 7310.73  650.34 7360.04  650.34
 7511.38  654.95 7730.27  665.02 7793.64  665.54 7923.91  669.24 8289.59  667.69
 8337.79   671.3 8493.36  680.77 8788.32  670.01 8802.49  668.49 8976.28  655.74
 9115.85  655.32 9371.73  667.76 9547.59  667.23 9731.82  653.45 9919.19  649.34
10064.34  639.8210081.68  639.4910171.93  626.2710341.28  606.4410398.97  606.44
10441.26  612.4710568.85  640.8310677.18  656.27 11067.5  650.6511226.69  644.96
11282.88  640.7611497.09  637.68 11751.1   640.812053.35  636.4412692.59  629.83
14164.76  629.8314407.06  626.4415029.93  626.4415509.13  633.0515569.61  639.66
15865.56  634.8915872.58  631.3915979.95  629.3916643.38  601.2617208.17  593.22
17303.67  586.0317639.91  583.9717726.66  576.8317863.17  567.4718359.12  567.47
18494.62  571.4318624.54  593.2218710.16  608.8318728.51     61118958.66  625.88
19383.51  631.8719803.75  632.4321842.39  626.9521953.64  626.9522175.21  627.92
22513.06  626.0123465.35  630.1723713.84  636.78 25331.6  643.3925700.76  646.53
26109.29  651.1126737.27  666.02 26953.5  666.6128029.41  666.6128642.75  663.22
28907.11  663.2229461.27  656.6129690.74  652.7729856.35  650.5429991.51  644.37
30134.99  644.8430418.83  652.3830729.42  655.03 31789.5   670.832430.76  674.18
 33365.2  702.8533502.95  703.5834098.61  686.3834132.11  686.5635670.58   721.8
36677.79  724.2736868.41  728.4337208.12   743.637248.14  744.5937544.11   748.5
37864.28  759.7938016.91  763.5638764.45     79039436.25  794.3939775.04     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517208.17     .1518624.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17208.1718624.54                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.84    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.78    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508154.00   260409.20   1829136.00
  E.G. Slope (ft/ft)      0.000076    Area (sq ft)            1508154.00   260409.20   1829136.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2715054.00   725980.50   3288966.00
  Top Width (ft)          36480.21    Top Width (ft)          15824.46    1416.37   19239.38
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.80       2.79       1.80
  Max Chl Dpth (ft)         192.31    Hydr. Depth (ft)           95.31     183.86      95.07
  Conv. Total (cfs)       772217200.0    Conv. (cfs)            311532100.0   83300830.0   377384300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15838.57    1419.13   19243.98
  Min Ch El (ft)            567.47    Shear (lb/sq ft)            0.45       0.87       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.81       2.43       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    76080.46   14276.62   91726.13
  C & E Loss (ft)             0.00    Cum SA (acres)            639.18      65.16     742.07


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274955.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev
       0     800  198.23  791.54  644.96  774.17 1358.79  760.94 1538.41  752.66
 1825.28  745.83 1993.51  743.38 2345.31  743.38 2681.14  741.58 3583.11  724.24
 3655.25  720.32 3746.91  716.62 3758.28  716.43 3960.82  716.41 4141.52  713.38
 4285.14  710.19 4439.34  705.71 4816.26  696.52 5275.64  690.17 5617.51  687.79
 5764.62   686.3  5924.7  679.19 5993.57  672.36 6358.39  671.23 6709.87  674.86
 6851.65  676.76 7073.16  663.52 7240.68   656.9 7312.34  650.28 7361.67  650.28
 7513.04   654.9 7731.98  664.97 7795.36  665.49 7925.66  669.21 8291.41  667.69
 8339.62  671.32 8495.23  680.82 8790.26   670.1 8804.43  668.58 8978.25  655.81
 9117.86  655.39 9373.79  667.86 9549.69  667.32 9733.96  653.53 9921.38  649.41
10066.56  639.91 10083.9  639.5810174.18  626.3410343.56  606.4810401.26  606.48
10443.56  612.5210571.17  640.8710679.53  656.3411069.94  650.7111229.17  645.03
11285.36  640.8411499.62  637.7511753.69  640.8412056.01  636.4812695.38  629.86
14167.88  629.8614410.24  626.4815033.25  626.4815512.55   633.115573.04  639.72
15869.06  634.9515876.08  631.4515983.47  629.4516647.04  601.2917211.97  593.24
 17307.6  586.0417644.32  583.99 17731.2  576.8417867.91  567.47 18364.1  567.47
18499.77  571.4318629.85  593.2418715.47  608.8318733.81     61118963.94  625.85
19388.75  631.8419808.94  632.3921847.34   626.921958.58   626.922180.13  627.87
22517.94  625.9723470.12  630.1423718.58  636.7625336.17  643.3825705.28  646.52
26113.77   651.126741.67  666.0426957.88  666.6228033.67  666.6228646.94  663.24
28911.27  663.2429465.37  656.6229694.81  652.78 29860.4  650.5429995.55  644.36
30139.01  644.8330422.82  652.3730733.37  655.0231793.34  670.7732434.52  674.16
33368.86  702.7633506.59  703.4934102.18  686.3634135.68  686.5435673.98  721.71
36681.07   724.236871.68  728.3737211.35  743.5337251.36  744.52 37547.3  748.45
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37867.43  759.7538020.04  763.52 38767.5     79039439.23   794.439777.97     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517211.97     .1518629.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17211.9718629.85                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.83    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.78    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508156.00   260672.70   1829483.00
  E.G. Slope (ft/ft)      0.000076    Area (sq ft)            1508156.00   260672.70   1829483.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2714080.00   726533.80   3289387.00
  Top Width (ft)          36484.50    Top Width (ft)          15827.95    1417.88   19238.67
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.80       2.79       1.80
  Max Chl Dpth (ft)         192.31    Hydr. Depth (ft)           95.28     183.85      95.09
  Conv. Total (cfs)       772382200.0    Conv. (cfs)            311486900.0   83382130.0   377513200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15842.07    1420.64   19243.26
  Min Ch El (ft)            567.47    Shear (lb/sq ft)            0.45       0.87       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.81       2.42       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    75907.35   14246.71   91516.16
  C & E Loss (ft)             0.00    Cum SA (acres)            637.36      65.00     739.86


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274952.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  198.28  791.54   645.1  774.16 1359.09  760.94 1538.75  752.65
 1825.68  745.82 1993.95  743.37 2345.83  743.37 2681.73  741.57  3583.9  724.26
 3656.05  720.34 3747.74  716.63  3759.1  716.44  3961.7  716.41 4142.43  713.37
 4286.08  710.17 4440.31  705.69 4817.32   696.5  5276.8  690.16 5618.75  687.77
 5765.89  686.29    5926  679.16 5994.89  672.32  6359.8  671.19 6711.35  674.83
 6853.16  676.74 7074.71  663.48 7242.27  656.85 7313.95  650.22 7363.29  650.22
 7514.69  654.85 7733.68  664.91 7797.08  665.44  7927.4  669.18 8293.24   667.7
 8341.46  671.33  8497.1  680.88 8792.19  670.18 8806.37  668.67 8980.23  655.89
 9119.87  655.46 9375.86  667.95 9551.79  667.42 9736.11  653.61 9923.57  649.49
10068.78     64010086.12  639.6710176.42  626.4110345.84  606.5210403.55  606.52
10445.86  612.57 10573.5  640.9210681.89  656.4111072.38  650.7711231.64   645.1
11287.85  640.9211502.16  637.8211756.28  640.8912058.66  636.5212698.18  629.89
   14171  629.8914413.41  626.5215036.56  626.5215515.97  633.1515576.47  639.78
15872.55     63515879.58  631.5115986.99  629.5116650.71  601.3217215.76  593.26
17311.53  586.0517648.74  584.0117735.73  576.8517872.64  567.4718369.08  567.47
18504.93  571.4218635.17  593.2618720.78  608.8318739.12     61118969.22  625.81
19393.98   631.819814.12  632.35 21852.3  626.8521963.52  626.8522185.05  627.82
22522.82  625.93 23474.9  630.1123723.33  636.7425340.73  643.37 25709.8  646.52
26118.24   651.126746.08  666.0526962.26  666.6328037.93  666.6328651.13  663.26
28915.43  663.2629469.46  656.6329698.88  652.7829864.46  650.5429999.59  644.35
30143.03  644.81 30426.8  652.3630737.32  655.0231797.17  670.7432438.29  674.14
33372.52  702.6833510.23   703.434105.75  686.3434139.25  686.5235677.38  721.63
36684.36  724.1336874.94  728.3137214.57  743.4637254.58  744.4537550.48  748.41
37870.58   759.738023.18  763.4838770.55     790 39442.2  794.4139780.91     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517215.76     .1518635.17     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17215.7618635.17                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.83    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.78    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508158.00   260941.30   1829809.00
  E.G. Slope (ft/ft)      0.000076    Area (sq ft)            1508158.00   260941.30   1829809.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2713148.00   727115.30   3289736.00
  Top Width (ft)          36489.36    Top Width (ft)          15831.46    1419.41   19238.50
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.80       2.79       1.80
  Max Chl Dpth (ft)         192.31    Hydr. Depth (ft)           95.26     183.84      95.11
  Conv. Total (cfs)       772534300.0    Conv. (cfs)            311441300.0   83465310.0   377627700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15845.59    1422.18   19243.08
  Min Ch El (ft)            567.47    Shear (lb/sq ft)            0.45       0.87       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.81       2.42       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    75734.24   14216.78   91306.14
  C & E Loss (ft)             0.00    Cum SA (acres)            635.54      64.84     737.65


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274949.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  198.32  791.54  645.24  774.14 1359.39  760.93 1539.09  752.64
 1826.09  745.81 1994.39  743.36 2346.34  743.36 2682.32  741.56 3584.69  724.28
 3656.86  720.36 3748.56  716.64 3759.93  716.45 3962.57   716.4 4143.34  713.36
 4287.03  710.16 4441.29  705.67 4818.38  696.48 5277.96  690.14 5619.99  687.75
 5767.16  686.27 5927.31  679.14 5996.21  672.28  6361.2  671.16 6712.83  674.81
 6854.67  676.72 7076.27  663.44 7243.87   656.8 7315.56  650.16 7364.91  650.16
 7516.35   654.8 7735.39  664.86  7798.8   665.4 7929.15  669.16 8295.07  667.71
  8343.3  671.35 8498.98  680.94 8794.13  670.27 8808.31  668.76 8982.21  655.96
 9121.88  655.54 9377.92  668.05  9553.9  667.52 9738.26  653.68 9925.75  649.56
   10071  640.0910088.34  639.7610178.66  626.4810348.12  606.5610405.85  606.56
10448.16  612.6210575.83  640.9710684.24  656.4811074.82  650.8311234.11  645.17
11290.34  640.9911504.69  637.8911758.87  640.9412061.32  636.5612700.98  629.92
14174.12  629.9214416.59  626.5615039.87  626.5615519.38   633.215579.91  639.84
15876.05  635.0515883.08  631.5815990.52  629.5716654.38  601.3417219.55  593.28
17315.46  586.0617653.15  584.0317740.27  576.8617877.38  567.4718374.06  567.47
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18510.08  571.4218640.49  593.2818726.09  608.8318744.42  610.99 18974.5  625.77
19399.21  631.7719819.31  632.3121857.25   626.821968.46   626.822189.96  627.77
 22527.7   625.923479.67  630.0823728.07  636.7225345.29  643.3625714.32  646.51
26122.72   651.126750.48  666.0626966.64  666.6428042.19  666.6428655.32  663.28
28919.59  663.2829473.56  656.6429702.95  652.7829868.51  650.5430003.62  644.33
30147.05   644.830430.79  652.3630741.28  655.01   31801  670.7132442.05  674.11
33376.17  702.5933513.87  703.3234109.33  686.3234142.82   686.535680.77  721.54
36687.64  724.05 36878.2  728.25 37217.8  743.39 37257.8  744.3837553.67  748.36
37873.73  759.6638026.31  763.44 38773.6     79039445.17  794.4139783.84     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517219.55     .1518640.49     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17219.5518640.49                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.83    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.78    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508159.00   261208.10   1830162.00
  E.G. Slope (ft/ft)      0.000076    Area (sq ft)            1508159.00   261208.10   1830162.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2712157.00   727678.80   3290165.00
  Top Width (ft)          36494.02    Top Width (ft)          15835.15    1420.94   19237.93
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.80       2.79       1.80
  Max Chl Dpth (ft)         192.31    Hydr. Depth (ft)           95.24     183.83      95.13
  Conv. Total (cfs)       772697300.0    Conv. (cfs)            311393200.0   83547620.0   377756500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15849.30    1423.71   19242.50
  Min Ch El (ft)            567.47    Shear (lb/sq ft)            0.45       0.87       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.81       2.42       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    75561.13   14186.81   91096.09
  C & E Loss (ft)             0.00    Cum SA (acres)            633.73      64.68     735.44


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274946.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  198.37  791.53  645.39  774.13 1359.69  760.93 1539.43  752.63
 1826.49  745.81 1994.83  743.35 2346.86  743.35 2682.91  741.55 3585.48  724.29
 3657.66  720.37 3749.39  716.65 3760.76  716.46 3963.44   716.4 4144.26  713.35
 4287.97  710.14 4442.27  705.66 4819.44  696.46 5279.12  690.13 5621.22  687.73
 5768.43  686.25 5928.62  679.11 5997.53  672.25  6362.6  671.13  6714.3  674.79
 6856.18   676.7 7077.83   663.4 7245.46  656.75 7317.17   650.1 7366.53   650.1
 7518.01  654.74 7737.09  664.81 7800.52  665.35  7930.9  669.13  8296.9  667.71
 8345.14  671.37 8500.85  680.99 8796.07  670.36 8810.25  668.85 8984.19  656.03
 9123.88  655.61 9379.99  668.14    9556  667.61  9740.4  653.76 9927.94  649.64
10073.21  640.1810090.57  639.85 10180.9  626.55 10350.4   606.610408.14   606.6
10450.46  612.6610578.16  641.0110686.59  656.5511077.25  650.8911236.59  645.23
11292.83  641.0711507.22  637.9611761.46  640.9812063.98   636.612703.78  629.95
14177.25  629.9514419.76   626.615043.19   626.6 15522.8  633.2515583.34   639.9
15879.55   635.115886.58  631.6415994.04  629.6316658.05  601.3717223.35   593.3
17319.39  586.0717657.56  584.0417744.81  576.8717882.11  567.4718379.04  567.47
18515.23  571.42 18645.8   593.318731.39  608.8318749.73  610.9918979.78  625.74
19404.44  631.7319824.49  632.2621862.21  626.7521973.41  626.7522194.88  627.72
22532.58  625.8623484.44  630.0523732.81   636.725349.85  643.3525718.84  646.51
26127.19  651.0926754.88  666.0726971.02  666.6528046.44  666.6528659.51   663.3
28923.75   663.329477.66  656.6529707.02  652.7929872.56  650.5330007.66  644.32
30151.07  644.7830434.78  652.3530745.23     65531804.84  670.6832445.81  674.09
33379.83   702.533517.51  703.23 34112.9   686.334146.39  686.4835684.17  721.45
36690.92  723.9836881.46  728.1837221.02  743.3237261.02  744.3137556.86  748.31
37876.88  759.6138029.45   763.438776.65     79039448.14  794.4239786.77     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517223.35     .15 18645.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17223.35 18645.8                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.83    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.78    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508167.00   261474.00   1830534.00
  E.G. Slope (ft/ft)      0.000076    Area (sq ft)            1508167.00   261474.00   1830534.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2711184.00   728237.90   3290578.00
  Top Width (ft)          36498.87    Top Width (ft)          15838.67    1422.45   19237.75
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.80       2.79       1.80
  Max Chl Dpth (ft)         192.31    Hydr. Depth (ft)           95.22     183.82      95.15
  Conv. Total (cfs)       772866900.0    Conv. (cfs)            311349900.0   83630160.0   377886900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15852.83    1425.22   19242.32
  Min Ch El (ft)            567.47    Shear (lb/sq ft)            0.45       0.87       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.81       2.42       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    75388.02   14156.81   90885.99
  C & E Loss (ft)             0.00    Cum SA (acres)            631.91      64.51     733.23


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274943.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  198.41  791.53  645.53  774.12 1359.99  760.93 1539.77  752.62
 1826.89   745.8 1995.27  743.34 2347.38  743.34  2683.5  741.53 3586.27  724.31
 3658.47  720.39 3750.21  716.66 3761.59  716.47 3964.32  716.39 4145.17  713.34
 4288.91  710.13 4443.25  705.64 4820.51  696.44 5280.29  690.11 5622.46  687.71
  5769.7  686.23 5929.92  679.08 5998.85  672.21    6364  671.09 6715.78  674.77
 6857.69  676.68 7079.39  663.36 7247.06   656.7 7318.79  650.04 7368.16  650.04
 7519.66  654.69 7738.79  664.75 7802.23  665.31 7932.64   669.1 8298.72  667.72
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 8346.98  671.39 8502.72  681.05 8798.01  670.45 8812.19  668.94 8986.17   656.1
 9125.89  655.68 9382.06  668.24 9558.11  667.71 9742.55  653.84 9930.12  649.71
10075.43  640.2710092.79  639.9410183.14  626.6210352.68  606.6410410.43  606.64
10452.76  612.7110580.49  641.0610688.95  656.6211079.69  650.9511239.06   645.3
11295.31  641.1511509.76  638.0411764.05  641.0312066.63  636.6412706.57  629.98
14180.37  629.9814422.94  626.64 15046.5  626.6415526.22   633.315586.77  639.96
15883.04  635.1615890.08   631.715997.56  629.6916661.72  601.3917227.14  593.32
17323.32  586.0917661.97  584.0617749.35  576.8817886.84  567.4718384.01  567.47
18520.38  571.4118651.12  593.32 18736.7  608.8218755.03  610.9918985.06   625.7
19409.67   631.719829.67  632.2221867.16   626.721978.35   626.7 22199.8  627.68
22537.46  625.8223489.21  630.0223737.56  636.6825354.41  643.3425723.36   646.5
26131.67  651.0926759.29  666.08 26975.4  666.66 28050.7  666.66 28663.7  663.32
28927.91  663.3229481.75  656.6629711.09  652.7929876.61  650.53 30011.7  644.31
30155.09  644.7730438.77  652.3430749.18  654.9931808.67  670.6532449.57  674.06
33383.49  702.4233521.15  703.1534116.48  686.2834149.96  686.4635687.57  721.36
36694.21  723.9136884.72  728.1237224.24  743.2537264.24  744.2437560.04  748.26
37880.03  759.5638032.58  763.36 38779.7     79039451.12  794.4339789.71     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517227.14     .1518651.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17227.1418651.12                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.83    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.78    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508178.00   261739.50   1830882.00
  E.G. Slope (ft/ft)      0.000076    Area (sq ft)            1508178.00   261739.50   1830882.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2710247.00   728797.00   3290956.00
  Top Width (ft)          36503.71    Top Width (ft)          15842.17    1423.98   19237.56
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.80       2.78       1.80
  Max Chl Dpth (ft)         192.31    Hydr. Depth (ft)           95.20     183.81      95.17
  Conv. Total (cfs)       773028600.0    Conv. (cfs)             311307400.0   83711880.0   378009400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15856.35    1426.75   19242.12
  Min Ch El (ft)            567.47    Shear (lb/sq ft)            0.45       0.87       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.81       2.42       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    75214.90   14126.79   90675.86
  C & E Loss (ft)             0.00    Cum SA (acres)            630.09      64.35     731.03


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274940.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  198.45  791.52  645.67  774.11 1360.29  760.93 1540.11  752.62
 1827.29   745.8 1995.71  743.33 2347.89  743.33 2684.09  741.52 3587.06  724.33
 3659.27   720.4 3751.04  716.67 3762.42  716.48 3965.19  716.38 4146.08  713.33
 4289.86  710.11 4444.23  705.62 4821.57  696.42 5281.45   690.1  5623.7  687.69
 5770.97  686.21 5931.23  679.05 6000.17  672.17  6365.4  671.06 6717.26  674.74
  6859.2  676.66 7080.95  663.32 7248.66  656.65  7320.4  649.98 7369.78  649.98
 7521.32  654.64  7740.5   664.7 7803.95  665.26 7934.39  669.07 8300.55  667.73
 8348.81   671.4 8504.59  681.11 8799.94  670.54 8814.13  669.02 8988.15  656.17
  9127.9  655.76 9384.12  668.33 9560.21  667.81 9744.69  653.92 9932.31  649.79
10077.65  640.3610095.01  640.0310185.39  626.6910354.96  606.6810412.72  606.68
10455.06  612.7610582.82  641.11 10691.3  656.6911082.13  651.0111241.54  645.37
 11297.8  641.2211512.29  638.1111766.64  641.0712069.29  636.6812709.37  630.01
14183.49  630.0114426.11  626.6815049.81  626.6815529.64  633.35 15590.2  640.02
15886.54  635.2115893.57  631.7716001.08  629.7516665.39  601.4217230.93  593.34
17327.25   586.117666.39  584.0817753.89  576.8917891.58  567.4718388.99  567.47
18525.53  571.4118656.44  593.3418742.01  608.8218760.34  610.9818990.34  625.66
 19414.9  631.6619834.86  632.1821872.12  626.6521983.29  626.6522204.72  627.63
22542.34  625.7923493.98  629.99 23742.3  636.6625358.97  643.3325727.88   646.5
26136.14  651.0926763.69   666.126979.78  666.6728054.96  666.6728667.89  663.34
28932.07  663.3429485.85  656.6729715.16   652.829880.67  650.5330015.73  644.29
30159.12  644.7530442.76  652.3330753.14  654.9831812.51  670.6232453.33  674.04
33387.14  702.3333524.79  703.0634120.05  686.2634153.54  686.4435690.96  721.27
36697.49  723.8436887.98  728.0637227.47  743.1837267.46  744.1737563.23  748.22
37883.18  759.5238035.71  763.3238782.75     79039454.09  794.4339792.64     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517230.93     .1518656.44     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17230.9318656.44                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.83    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.78    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508176.00   262006.50   1831221.00
  E.G. Slope (ft/ft)      0.000076    Area (sq ft)            1508176.00   262006.50   1831221.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2709280.00   729362.60   3291357.00
  Top Width (ft)          36508.14    Top Width (ft)          15845.65    1425.51   19236.98
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.80       2.78       1.80
  Max Chl Dpth (ft)         192.31    Hydr. Depth (ft)           95.18     183.80      95.19
  Conv. Total (cfs)       773188900.0    Conv. (cfs)             311260800.0   83794210.0   378133800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15859.84    1428.29   19241.52
  Min Ch El (ft)            567.47    Shear (lb/sq ft)            0.45       0.87       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.81       2.42       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    75041.78   14096.73   90465.68
  C & E Loss (ft)             0.00    Cum SA (acres)            628.27      64.19     728.82


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274937.*

INPUT
Description:
Station Elevation Data    num=     120
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   198.5  791.52  645.81  774.09 1360.59  760.92 1540.45  752.61
 1827.69  745.79 1996.15  743.32 2348.41  743.32 2684.68  741.51 3587.85  724.34
 3660.08  720.42 3751.87  716.68 3763.24  716.49 3966.06  716.38 4146.99  713.32
  4290.8   710.1 4445.21  705.61 4822.63   696.4 5282.61  690.08 5624.94  687.68
 5772.24  686.19 5932.53  679.03 6001.49  672.14  6366.8  671.03 6718.74  674.72
 6860.71  676.64 7082.51  663.28 7250.25   656.6 7322.01  649.92  7371.4  649.92
 7522.97  654.58  7742.2  664.65 7805.67  665.21 7936.14  669.05 8302.38  667.73
 8350.65  671.42 8506.46  681.16 8801.88  670.63 8816.08  669.11 8990.13  656.24
 9129.91  655.83 9386.19  668.43 9562.32   667.9 9746.84     654  9934.5  649.86
10079.87  640.4510097.23  640.1210187.63  626.7610357.24  606.7210415.01  606.72
10457.37  612.8110585.15  641.1510693.66  656.7611084.57  651.0811244.01  645.44
11300.29   641.311514.83  638.1811769.23  641.1212071.95  636.7212712.17  630.04
14186.61  630.0414429.29  626.7215053.12  626.7215533.06   633.415593.63  640.08
15890.04  635.2615897.07  631.83 16004.6  629.8116669.05  601.4417234.72  593.36
17331.18  586.11 17670.8   584.117758.42   576.917896.31  567.4718393.97  567.47
18530.68   571.418661.76  593.3618747.31  608.8218765.64  610.9818995.62  625.63
19420.13  631.6319840.04  632.1421877.07   626.621988.23   626.622209.63  627.58
22547.22  625.7523498.76  629.9623747.05  636.6425363.54  643.32 25732.4  646.49
26140.61  651.0826768.09  666.1126984.16  666.6828059.22  666.6828672.07  663.36
28936.22  663.3629489.95  656.6829719.23   652.829884.72  650.5330019.77  644.28
30163.13  644.7430446.75  652.3330757.09  654.9831816.34  670.59 32457.1  674.02
 33390.8  702.2433528.44  702.9834123.62  686.2434157.11  686.4235694.36  721.19
36700.77  723.7736891.25  727.9937230.69  743.1137270.68  744.1137566.41  748.17
37886.33  759.4738038.84  763.2838785.79     79039457.07  794.4439795.58     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517234.72     .1518661.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17234.7218661.76                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.83    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508179.00   262274.60   1831549.00
  E.G. Slope (ft/ft)      0.000076    Area (sq ft)            1508179.00   262274.60   1831549.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2708339.00   729941.80   3291719.00
  Top Width (ft)          36513.15    Top Width (ft)          15849.34    1427.04   19236.77
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.80       2.78       1.80
  Max Chl Dpth (ft)         192.30    Hydr. Depth (ft)           95.16     183.79      95.21
  Conv. Total (cfs)       773340500.0    Conv. (cfs)            311213700.0   83877190.0   378249600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15863.55    1429.82   19241.30
  Min Ch El (ft)            567.47    Shear (lb/sq ft)            0.45       0.87       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.81       2.41       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    74868.66   14066.64   90255.47
  C & E Loss (ft)             0.00    Cum SA (acres)            626.45      64.02     726.61


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274934.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  198.54  791.51  645.96  774.08 1360.89  760.92 1540.78   752.6
  1828.1  745.78 1996.59  743.31 2348.93  743.31 2685.27  741.49 3588.64  724.36
 3660.88  720.43 3752.69  716.69 3764.07   716.5 3966.93  716.37 4147.91  713.31
 4291.75  710.08 4446.18  705.59 4823.69  696.38 5283.77  690.07 5626.18  687.66
 5773.51  686.17 5933.84     679 6002.81   672.1  6368.2  670.99 6720.22   674.7
 6862.22  676.62 7084.07  663.24 7251.85  656.55 7323.62  649.86 7373.02  649.86
 7524.63  654.53 7743.91  664.59 7807.39  665.17 7937.88  669.02  8304.2  667.74
 8352.49  671.44 8508.34  681.22 8803.82  670.71 8818.02   669.2  8992.1  656.31
 9131.92   655.9 9388.25  668.52 9564.42     668 9748.98  654.08 9936.68  649.94
10082.09  640.5410099.46  640.2110189.87  626.8310359.52  606.7610417.31  606.76
10459.67  612.8610587.48   641.210696.01  656.8311087.01  651.1411246.49  645.51
11302.77  641.3811517.36  638.2511771.82  641.1712074.61  636.7612714.97  630.07
14189.74  630.0714432.46  626.7615056.44  626.7615536.48  633.4515597.06  640.14
15893.54  635.3115900.57  631.8916008.13  629.8716672.72  601.4717238.52  593.38
17335.11  586.1217675.21  584.1217762.96  576.9117901.05  567.4618398.95  567.46
18535.83   571.418667.07  593.3818752.62  608.8218770.95  610.98 19000.9  625.59
19425.37  631.5919845.23   632.121882.03  626.5521993.17  626.5522214.55  627.53
 22552.1  625.7223503.53  629.9323751.79  636.62 25368.1  643.3125736.92  646.49
26145.09   651.08 26772.5  666.1226988.54  666.6928063.47  666.6928676.26  663.38
28940.38  663.3829494.04  656.69 29723.3   652.829888.77  650.5330023.81  644.27
30167.16  644.7330450.74  652.3230761.04  654.9731820.18  670.5732460.86  673.99
33394.46  702.1633532.08  702.89 34127.2  686.2234160.68   686.435697.76   721.1
36704.06   723.736894.51  727.9337233.92  743.04 37273.9  744.04 37569.6  748.12
37889.48  759.4338041.98  763.2438788.84     79039460.04  794.4539798.52     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517238.52     .1518667.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17238.5218667.07                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.83    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508189.00   262544.50   1831889.00
  E.G. Slope (ft/ft)      0.000076    Area (sq ft)            1508189.00   262544.50   1831889.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2707384.00   730521.00   3292095.00
  Top Width (ft)          36517.61    Top Width (ft)          15852.86    1428.55   19236.20
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.80       2.78       1.80
  Max Chl Dpth (ft)         192.31    Hydr. Depth (ft)           95.14     183.78      95.23
  Conv. Total (cfs)       773506800.0    Conv. (cfs)            311170800.0   83961810.0   378374200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15867.08    1431.33   19240.72
  Min Ch El (ft)            567.46    Shear (lb/sq ft)            0.45       0.87       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      0.81       2.41       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    74695.55   14036.52   90045.22
  C & E Loss (ft)             0.00    Cum SA (acres)            624.63      63.86     724.40


CROSS SECTION
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RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274931.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  198.58  791.51   646.1  774.07 1361.19  760.92 1541.12  752.59
  1828.5  745.78 1997.03   743.3 2349.44   743.3 2685.86  741.48 3589.43  724.38
 3661.69  720.45 3753.52   716.7  3764.9  716.51 3967.81  716.37 4148.82   713.3
 4292.69  710.07 4447.16  705.57 4824.75  696.36 5284.94  690.05 5627.41  687.64
 5774.78  686.16 5935.14  678.97 6004.14  672.06  6369.6  670.96  6721.7  674.67
 6863.73   676.6 7085.63   663.2 7253.44   656.5 7325.23   649.8 7374.64   649.8
 7526.28  654.48 7745.61  664.54  7809.1  665.12 7939.63  668.99 8306.03  667.75
 8354.33  671.45 8510.21  681.28 8805.75   670.8 8819.96  669.29 8994.08  656.39
 9133.93  655.97 9390.32  668.62 9566.53   668.1 9751.13  654.15 9938.87  650.01
10084.31  640.6310101.68   640.310192.11   626.910361.79   606.8 10419.6   606.8
10461.97  612.9110589.81  641.2510698.36   656.911089.45   651.211248.96  645.57
11305.26  641.4511519.89  638.3211774.41  641.2112077.26   636.812717.77   630.1
14192.86   630.114435.64   626.815059.75   626.8 15539.9   633.5 15600.5   640.2
15897.03  635.3715904.07  631.9516011.65  629.9316676.39   601.517242.31   593.4
17339.04  586.1317679.63  584.13 17767.5  576.9217905.78  567.4618403.93  567.46
18540.99  571.3918672.39   593.418757.93  608.8218776.25  610.9719006.18  625.55
 19430.6  631.5619850.41  632.0521886.98   626.521998.12   626.522219.47  627.48
22556.98  625.68 23508.3   629.923756.53   636.625372.66   643.325741.44  646.48
26149.56  651.08 26776.9  666.1326992.92   666.728067.73   666.728680.45   663.4
28944.54   663.429498.14   656.729727.38  652.8129892.82  650.5330027.85  644.26
30171.18  644.7130454.73  652.31   30765  654.9631824.01  670.5432464.62  673.97
33398.11  702.0733535.72  702.8134130.77   686.234164.25  686.3735701.16  721.01
36707.34  723.6336897.77  727.8737237.14  742.9737277.12  743.9737572.79  748.07
37892.63  759.3838045.11   763.238791.89     79039463.01  794.4539801.45     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517242.31     .1518672.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17242.3118672.39                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.83    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508188.00   262814.70   1832258.00
  E.G. Slope (ft/ft)      0.000076    Area (sq ft)            1508188.00   262814.70   1832258.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2706393.00   731094.30   3292513.00
  Top Width (ft)          36522.41    Top Width (ft)          15856.37    1430.08   19235.96
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.79       2.78       1.80
  Max Chl Dpth (ft)         192.31    Hydr. Depth (ft)           95.12     183.78      95.25
  Conv. Total (cfs)       773674800.0    Conv. (cfs)             311124500.0   84045940.0   378504300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15870.61    1432.86   19240.48
  Min Ch El (ft)            567.46    Shear (lb/sq ft)            0.45       0.87       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.81       2.41       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    74522.43   14006.37   89834.92
  C & E Loss (ft)             0.00    Cum SA (acres)            622.81      63.69     722.19


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274929.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  198.63   791.5  646.24  774.06 1361.49  760.91 1541.46  752.59
  1828.9  745.77 1997.47  743.29 2349.96  743.29 2686.46  741.47 3590.22  724.39
 3662.49  720.47 3754.34  716.71 3765.73  716.52 3968.68  716.36 4149.73  713.29
 4293.64  710.05 4448.14  705.56 4825.81  696.34  5286.1  690.04 5628.65  687.62
 5776.06  686.14 5936.45  678.94 6005.46  672.03 6371.01  670.93 6723.18  674.65
 6865.24  676.58 7087.18  663.16 7255.04  656.45 7326.84  649.74 7376.27  649.74
 7527.94  654.42 7747.31  664.49 7810.82  665.08 7941.38  668.97 8307.86  667.75
 8356.17  671.47 8512.08  681.33 8807.69  670.89  8821.9  669.38 8996.06  656.46
 9135.94  656.05 9392.38  668.71 9568.63  668.19 9753.27  654.23 9941.06  650.09
10086.52  640.72 10103.9  640.3910194.35  626.9710364.07  606.8410421.89  606.84
10464.27  612.9610592.14  641.2910700.72  656.9711091.89  651.2611251.44  645.64
11307.75  641.5311522.43   638.4   11777  641.2612079.92  636.8412720.56  630.13
14195.98  630.1314438.82  626.8415063.06  626.8415543.31  633.5515603.93  640.26
15900.53  635.4215907.57  632.0216015.17     63016680.06  601.52 17246.1  593.42
17342.97  586.1417684.04  584.1517772.04  576.9317910.51  567.4618408.91  567.46
18546.14  571.3918677.71  593.4218763.24  608.8218781.56  610.9719011.46  625.52
19435.83  631.52 19855.6  632.0121891.94  626.4522003.06  626.4522224.38  627.43
22561.86  625.6423513.07  629.8723761.28  636.5825377.22  643.2925745.96  646.48
26154.04  651.07 26781.3  666.1426997.29  666.7128071.99  666.7128684.64  663.42
 28948.7  663.4229502.23  656.7129731.45  652.8129896.87  650.5230031.88  644.24
 30175.2   644.730458.71  652.3130768.95  654.9531827.84  670.5132468.38  673.94
33401.77  701.9833539.36  702.7234134.35  686.1734167.82  686.3535704.55  720.92
36710.62  723.5536901.04  727.8137240.36   742.937280.34   743.937575.97  748.02
37895.78  759.3438048.24  763.1638794.94     79039465.98  794.4639804.39     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 17246.1     .1518677.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       17246.118677.71                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.83    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508185.00   263081.70   1832626.00
  E.G. Slope (ft/ft)      0.000076    Area (sq ft)            1508185.00   263081.70   1832626.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2705378.00   731651.80   3292970.00
  Top Width (ft)          36527.02    Top Width (ft)          15860.03    1431.61   19235.38
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.79       2.78       1.80
  Max Chl Dpth (ft)         192.31    Hydr. Depth (ft)           95.09     183.77      95.27
  Conv. Total (cfs)       773842500.0    Conv. (cfs)             311075300.0   84128270.0   378638900.0
```

```
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15874.28    1434.40   19239.89
  Min Ch El (ft)            567.46    Shear (lb/sq ft)            0.45       0.87       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.80       2.41       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    74349.31   13976.18   89624.59
  C & E Loss (ft)             0.00    Cum SA (acres)            620.99      63.53     719.99


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274926.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  198.67   791.5  646.38  774.05 1361.78  760.91  1541.8  752.58
  1829.3  745.76 1997.91  743.28 2350.48  743.28 2687.05  741.46 3591.01  724.41
  3663.3  720.48 3755.17  716.72 3766.56  716.53 3969.55  716.36 4150.65  713.28
 4294.58  710.04 4449.12  705.54 4826.87  696.32 5287.26  690.02 5629.89   687.6
 5777.33  686.12 5937.75  678.92 6006.78  671.99 6372.41   670.9 6724.66  674.63
 6866.75  676.56 7088.74  663.12 7256.63   656.4 7328.45  649.68 7377.89  649.68
  7529.6  654.37 7749.02  664.44 7812.54  665.03 7943.12  668.94 8309.69  667.76
    8358  671.49 8513.95  681.39 8809.63  670.98 8823.84  669.47 8998.04  656.53
 9137.95  656.12 9394.45  668.81 9570.74  668.29 9755.42  654.31 9943.24  650.16
10088.74  640.8110106.12  640.48 10196.6  627.0410366.35  606.8810424.18  606.88
10466.57  613.0110594.47  641.3410703.07  657.0411094.33  651.3211253.91  645.71
11310.23  641.6111524.96  638.4711779.59  641.3112082.58  636.8812723.36  630.16
 14199.1  630.1614441.99  626.8815066.38  626.8815546.73   633.615607.36  640.32
15904.03  635.4715911.07  632.0816018.69  630.0616683.73  601.55 17249.9  593.44
 17346.9  586.1617688.46  584.1717776.58  576.9417915.25  567.4618413.89  567.46
18551.29  571.3918683.02  593.4418768.54  608.8118786.87  610.9719016.74  625.48
19441.06  631.4919860.78  631.9721896.89   626.4   22008   626.4 22229.3  627.39
22566.73  625.6123517.84  629.8423766.02  636.5625381.78  643.2825750.48  646.47
26158.51  651.0726785.71  666.1527001.67  666.7228076.25  666.7228688.83  663.44
28952.86  663.4429506.33  656.7229735.52  652.8229900.93  650.5230035.92  644.23
30179.22  644.68 30462.7   652.330772.91  654.9531831.68  670.4832472.14  673.92
33405.43   701.9   33543  702.6434137.92  686.1534171.39  686.3335707.95  720.83
36713.91  723.48 36904.3  727.7437243.59  742.8337283.56  743.8337579.16  747.98
37898.93  759.2938051.38  763.1238797.99     79039468.96  794.4739807.32     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 17249.9     .1518683.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       17249.918683.02                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.83    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508182.00   263342.30   1832955.00
  E.G. Slope (ft/ft)      0.000076    Area (sq ft)            1508182.00   263342.30   1832955.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2704446.00   732205.60   3293348.00
  Top Width (ft)          36531.82    Top Width (ft)          15863.55    1433.12   19235.14
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.79       2.78       1.80
  Max Chl Dpth (ft)         192.31    Hydr. Depth (ft)           95.07     183.75      95.29
  Conv. Total (cfs)       773991400.0    Conv. (cfs)            311027900.0   84208140.0   378755300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15877.82    1435.91   19239.64
  Min Ch El (ft)            567.46    Shear (lb/sq ft)            0.45       0.87       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.80       2.41       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    74176.20   13945.97   89414.21
  C & E Loss (ft)             0.00    Cum SA (acres)            619.17      63.37     717.78


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274923.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  198.72  791.49  646.52  774.03 1362.08  760.91 1542.14  752.57
 1829.71  745.76 1998.35  743.27 2350.99  743.27 2687.64  741.44  3591.8  724.43
 3664.11   720.5 3755.99  716.73 3767.39  716.54 3970.43  716.35 4151.56  713.27
 4295.52  710.02  4450.1  705.52 4827.94   696.3 5288.42  690.01 5631.13  687.58
  5778.6   686.1 5939.06  678.89  6008.1  671.95 6373.81  670.86 6726.13  674.61
 6868.26  676.54  7090.3  663.08 7258.23  656.35 7330.07  649.62 7379.51  649.62
 7531.25  654.32 7750.72  664.38 7814.26  664.99 7944.87  668.91 8311.51  667.77
 8359.84  671.51 8515.83  681.45 8811.57  671.07 8825.78  669.55 9000.02   656.6
 9139.96  656.19 9396.52   668.9 9572.84  668.39 9757.56  654.39 9945.43  650.24
10090.96   640.910108.34  640.5710198.84  627.1110368.63  606.9210426.48  606.92
10468.87  613.06 10596.8  641.3910705.42  657.1111096.77  651.3811256.39  645.78
11312.72  641.68 11527.5  638.5411782.18  641.3512085.23  636.9212726.16  630.19
14202.22  630.1914445.17  626.9215069.69  626.9215550.15  633.6515610.79  640.38
15907.52  635.5315914.57  632.1416022.22  630.12 16687.4  601.5717253.69  593.46
17350.83  586.1717692.87  584.1917781.11  576.9517919.98  567.4618418.87  567.46
18556.44  571.3818688.34  593.4618773.85  608.8118792.17  610.9719022.02  625.44
19446.29  631.4519865.96  631.9321901.85  626.3522012.94  626.3522234.22  627.34
22571.61  625.5723522.62  629.8123770.77  636.5425386.34  643.27   25755  646.46
26162.98  651.0726790.11  666.1727006.05  666.7328080.51  666.7328693.02  663.46
28957.02  663.4629510.43  656.7329739.59  652.8229904.98  650.5230039.96  644.22
30183.24  644.6730466.69  652.2930776.86  654.9431835.51  670.4532475.91   673.9
33409.09  701.8133546.64  702.55 34141.5  686.1334174.96  686.3135711.35  720.74
36717.19  723.4136907.56  727.6837246.81  742.7637286.78  743.7637582.35  747.93
37902.08  759.2438054.51  763.0838801.04     79039471.93  794.4739810.25     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517253.69     .1518688.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       17253.6918688.34               5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.83    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
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  W.S. Elev (ft)            759.77    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508194.00   263610.60   1833306.00
  E.G. Slope (ft/ft)       0.000076   Area (sq ft)            1508194.00   263610.60   1833306.00
  Q Total (cfs)            6730000.00   Flow (cfs)              2703505.00   732770.70   3293725.00
  Top Width (ft)           36536.60   Top Width (ft)          15867.06    1434.65   19234.89
  Vel Total (ft/s)             1.87   Avg. Vel. (ft/s)            1.79       2.78       1.80
  Max Chl Dpth (ft)          192.31   Hydr. Depth (ft)           95.05     183.75      95.31
  Conv. Total (cfs)        774156900.0   Conv. (cfs)            310986100.0   84291160.0   378879600.0
  Length Wtd. (ft)             5.00   Wetted Per. (ft)        15881.35    1437.44   19239.38
  Min Ch El (ft)             567.46   Shear (lb/sq ft)            0.45       0.87       0.45
  Alpha                        1.07   Stream Power (lb/ft s)      0.80       2.41       0.81
  Frctn Loss (ft)              0.00   Cum Volume (acre-ft)    74003.08   13915.73   89203.80
  C & E Loss (ft)              0.00   Cum SA (acres)            617.35      63.20     715.57


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274920.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  198.76  791.49  646.67  774.02 1362.38  760.91 1542.48  752.56
 1830.11  745.75 1998.78  743.26 2351.51  743.26 2688.23  741.43 3592.59  724.45
 3664.91  720.51 3756.82  716.74 3768.21  716.55  3971.3  716.35 4152.47  713.26
 4296.47  710.01 4451.08   705.5    4829  696.28 5289.59     690 5632.36  687.57
 5779.87  686.08 5940.37  678.86 6009.42  671.92 6375.21  670.83 6727.61  674.58
 6869.77  676.52 7091.86  663.04 7259.83   656.3 7331.68  649.56 7381.13  649.56
 7532.91  654.26 7752.43  664.33 7815.98  664.94 7946.62  668.88 8313.34  667.77
 8361.68  671.52  8517.7   681.5  8813.5  671.16 8827.72  669.64    9002  656.67
 9141.97  656.27 9398.58     669 9574.94  668.48 9759.71  654.47 9947.62  650.31
10093.18  640.9910110.57  640.6610201.08  627.1810370.91  606.9610428.77  606.96
10471.17  613.1110599.13  641.4310707.78  657.1811099.21  651.4511258.86  645.85
11315.21  641.7611530.03  638.6111784.77   641.412087.89  636.9612728.96  630.22
14205.35  630.2214448.34  626.96   15073  626.9615553.57   633.715614.22  640.44
15911.02  635.5815918.06   632.216025.74  630.1816691.07   601.617257.48  593.48
17354.76  586.1817697.28   584.217785.65  576.9517924.72  567.4618423.85  567.46
18561.59  571.3818693.66  593.4818779.16  608.8118797.47  610.96 19027.3  625.41
19451.52  631.4219871.15  631.89 21906.8   626.322017.88   626.322239.14  627.29
22576.49  625.5323527.39  629.7823775.51  636.52 25390.9  643.2625759.52  646.46
26167.46  651.0626794.51  666.1827010.43  666.7428084.76  666.7428697.21  663.48
28961.18  663.4829514.53  656.7429743.66  652.8329909.03  650.5230043.99   644.2
30187.26  644.6530470.68  652.2930780.81  654.9331839.35  670.4232479.67  673.87
33412.74  701.7233550.29  702.4734145.07  686.1134178.53  686.2935714.75  720.66
36720.48  723.3436910.82  727.6237250.04  742.69   37290  743.6937585.53  747.88
37905.23   759.238057.64  763.0438804.09     79039474.91  794.4839813.19     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517257.48     .1518693.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17257.4818693.66                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.83    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508189.00   263880.40   1833644.00
  E.G. Slope (ft/ft)       0.000076   Area (sq ft)            1508189.00   263880.40   1833644.00
  Q Total (cfs)            6730000.00   Flow (cfs)              2702529.00   733348.10   3294123.00
  Top Width (ft)           36541.04   Top Width (ft)          15870.57    1436.18   19234.29
  Vel Total (ft/s)             1.87   Avg. Vel. (ft/s)            1.79       2.78       1.80
  Max Chl Dpth (ft)          192.31   Hydr. Depth (ft)           95.03     183.74      95.33
  Conv. Total (cfs)        774317800.0   Conv. (cfs)            310938500.0   84375100.0   379004200.0
  Length Wtd. (ft)             5.00   Wetted Per. (ft)        15884.87    1438.97   19238.78
  Min Ch El (ft)             567.46   Shear (lb/sq ft)            0.45       0.86       0.45
  Alpha                        1.07   Stream Power (lb/ft s)      0.80       2.40       0.81
  Frctn Loss (ft)              0.00   Cum Volume (acre-ft)    73829.96   13885.45   88993.34
  C & E Loss (ft)              0.00   Cum SA (acres)            615.53      63.04     713.36


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274917.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   198.8  791.49  646.81  774.01 1362.68   760.9 1542.82  752.55
 1830.51  745.75 1999.22  743.25 2352.03  743.25 2688.82  741.42 3593.38  724.46
 3665.72  720.53 3757.65  716.75 3769.04  716.56 3972.17  716.34 4153.38  713.25
 4297.41  709.99 4452.05  705.49 4830.06  696.26 5290.75  689.98  5633.6  687.55
 5781.14  686.06 5941.67  678.84 6010.74  671.88 6376.61   670.8 6729.09  674.56
 6871.28   676.5 7093.42     663 7261.42  656.25 7333.29   649.5 7382.76   649.5
 7534.56  654.21 7754.13  664.28 7817.69  664.89 7948.36  668.86 8315.17  667.78
 8363.52  671.54 8519.57  681.56 8815.44  671.25 8829.66  669.73 9003.98  656.74
 9143.98  656.34 9400.65  669.09 9577.05  668.58 9761.85  654.55  9949.8  650.38
 10095.4  641.0810112.79  640.7510203.32  627.2510373.19     60710431.06     607
10473.48  613.1610601.46  641.4810710.13  657.2511101.65  651.5111261.33  645.91
11317.69  641.8411532.57  638.6911787.36  641.4512090.55     63712731.75  630.25
14208.47  630.2514451.52     62715076.32     62715556.99  633.7515617.66   640.5
15914.52  635.6315921.56  632.2716029.26  630.2416694.73  601.6217261.28   593.5
17358.69  586.19 17701.7  584.2217790.19  576.9617929.45  567.4618428.82  567.46
18566.74  571.3718698.97   593.518784.47  608.8118802.78  610.9619032.58  625.37
19456.76  631.3819876.33  631.8521911.75  626.2522022.83  626.2522244.05  627.24
22581.37   625.523532.16  629.7523780.25   636.525395.47  643.2525764.04  646.45
26171.93  651.0626798.92  666.1927014.81  666.7528089.02  666.75 28701.4   663.5
28965.34   663.529518.62  656.7529747.73  652.8329913.08  650.5230048.03  644.19
30191.28  644.6430474.67  652.2830784.77  654.9231843.18  670.3932483.43  673.85
 33416.4  701.6433553.93  702.3834148.64  686.09 34182.1  686.2735718.14  720.57
36723.76  723.2736914.09  727.5537253.26  742.6237293.22  743.6237588.72  747.83
37908.38  759.1538060.77     76338807.14     79039477.88  794.4939816.12     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517261.28     .1518698.97     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17261.2818698.97                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.83    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508193.00   264145.20   1833992.00
  E.G. Slope (ft/ft)      0.000076    Area (sq ft)            1508193.00   264145.20   1833992.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2701567.00   733910.00   3294523.00
  Top Width (ft)          36545.99    Top Width (ft)          15874.27    1437.69   19234.03
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.79       2.78       1.80
  Max Chl Dpth (ft)         192.31    Hydr. Depth (ft)           95.01     183.73      95.35
  Conv. Total (cfs)       774475800.0    Conv. (cfs)            310891300.0   84456980.0   379127600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15888.58    1440.49   19238.51
  Min Ch El (ft)            567.46    Shear (lb/sq ft)            0.45       0.86       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.80       2.40       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    73656.84   13855.15   88782.85
  C & E Loss (ft)             0.00    Cum SA (acres)            613.71      62.87     711.15


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274914.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  198.85  791.48  646.95     774 1362.98   760.9 1543.16  752.55
 1830.91  745.74 1999.66  743.24 2352.55  743.24 2689.41  741.41 3594.17  724.48
 3666.52  720.54 3758.47  716.76 3769.87  716.57 3973.04  716.34  4154.3  713.24
 4298.36  709.98 4453.03  705.47 4831.12  696.25 5291.91  689.97 5634.84  687.53
 5782.41  686.04 5942.98  678.81 6012.06  671.84 6378.01  670.76 6730.57  674.54
 6872.79  676.48 7094.98  662.96 7263.02   656.2  7334.9  649.44 7384.38  649.44
 7536.22  654.16 7755.83  664.22 7819.41  664.85 7950.11  668.83 8316.99  667.79
 8365.35  671.56 8521.44  681.62 8817.38  671.33  8831.6  669.82 9005.95  656.82
 9145.99  656.41 9402.71  669.19 9579.15  668.68    9764  654.62 9951.99  650.46
10097.62  641.1710115.01  640.8410205.57  627.3210375.47  607.0410433.35  607.04
10475.78   613.210603.79  641.5310712.48  657.3211104.09  651.5711263.81  645.98
11320.18  641.91 11535.1  638.7611789.95  641.49 12093.2  637.0412734.55  630.28
14211.59  630.2814454.69  627.0415079.63  627.0415560.41   633.815621.09  640.56
15918.01  635.6815925.06  632.3316032.78   630.3 16698.4  601.6517265.07  593.52
17362.62   586.217706.11  584.2417794.73  576.9717934.18  567.46 18433.8  567.46
18571.89  571.3718704.29  593.5218789.77  608.8118808.09  610.9619037.86  625.34
19461.99  631.3519881.52   631.821916.71   626.222027.77   626.222248.97  627.19
22586.25  625.4623536.93  629.72   23785  636.4825400.03  643.2425768.56  646.45
26176.41  651.0626803.32   666.227019.19  666.7628093.28  666.7628705.58  663.52
 28969.5  663.5229522.72  656.76 29751.8  652.8329917.13  650.5230052.07  644.18
 30195.3  644.6330478.66  652.2730788.72  654.9231847.02  670.3632487.19  673.82
33420.05  701.5533557.57   702.334152.22  686.0734185.67  686.2535721.54  720.48
36727.04   723.236917.35  727.4937256.48  742.5537296.44  743.5637591.91  747.79
37911.53  759.1138063.91  762.9638810.18     79039480.85  794.4939819.06     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517265.07     .1518704.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17265.0718704.29                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.83    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508187.00   264411.30   1834339.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508187.00   264411.30   1834339.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2700589.00   734469.30   3294942.00
  Top Width (ft)          36550.40    Top Width (ft)          15877.75    1439.22   19233.43
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.79       2.78       1.80
  Max Chl Dpth (ft)         192.31    Hydr. Depth (ft)           94.99     183.72      95.37
  Conv. Total (cfs)       774637800.0    Conv. (cfs)            310843700.0   84539030.0   379255100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15892.07    1442.02   19237.91
  Min Ch El (ft)            567.46    Shear (lb/sq ft)            0.45       0.86       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.80       2.40       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    73483.73   13824.81   88572.32
  C & E Loss (ft)             0.00    Cum SA (acres)            611.88      62.71     708.95


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274911.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  198.89  791.48  647.09  773.98 1363.28   760.9  1543.5  752.54
 1831.31  745.73  2000.1  743.23 2353.06  743.23    2690  741.39 3594.96   724.5
 3667.33  720.56  3759.3  716.77  3770.7  716.58 3973.92  716.33 4155.21  713.23
  4299.3  709.97 4454.01  705.45 4832.18  696.23 5293.07  689.95 5636.08  687.51
 5783.68  686.03 5944.28  678.78 6013.38  671.81 6379.41  670.73 6732.05  674.51
  6874.3  676.46 7096.54  662.92 7264.61  656.15 7336.51  649.38    7386  649.38
 7537.87  654.11 7757.54  664.17 7821.13   664.8 7951.86   668.8 8318.82   667.8
 8367.19  671.57 8523.31  681.67 8819.31  671.42 8833.54  669.91 9007.93  656.89
    9148  656.48 9404.78  669.28 9581.26  668.77 9766.14   654.7 9954.17  650.53
10099.83  641.2710117.23  640.9310207.81  627.3910377.75  607.0810435.64  607.08
10478.08  613.2510606.12  641.5710714.84  657.3911106.53  651.6311266.28  646.05
11322.67  641.9911537.63  638.8311792.54  641.5412095.86  637.0812737.35  630.31
14214.71  630.3114457.87  627.0815082.94  627.0815563.83  633.8515624.52  640.62
15921.51  635.7415928.56  632.39 16036.3  630.3616702.07  601.6817268.86  593.54
17366.55  586.2117710.52  584.2617799.27  576.9817938.92  567.4618438.78  567.46
18577.05  571.3618709.61  593.5418795.08  608.8118813.39  610.9519043.13   625.3
19467.22  631.31 19886.7  631.7621921.66  626.1522032.71  626.1522253.89  627.14
22591.13  625.43 23541.7  629.6923789.74  636.4625404.59  643.2325773.08  646.44
26180.88  651.0526807.72  666.2127023.57  666.7728097.54  666.7728709.77  663.54
28973.66  663.5429526.81  656.7729755.87  652.8429921.19  650.52 30056.1  644.17
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30199.32  644.6130482.65  652.2630792.68  654.9131850.85  670.3332490.96   673.8
33423.71  701.4633561.21  702.2134155.79  686.0534189.24  686.2335724.94  720.39
36730.33  723.1236920.61  727.4337259.71  742.4837299.66  743.4937595.09  747.74
37914.68  759.0638067.04  762.9238813.23     79039483.82   794.5   39822     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517268.86     .1518709.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17268.8618709.61                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.83    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508195.00   264679.50   1834701.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508195.00   264679.50   1834701.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2699628.00   735030.40   3295342.00
  Top Width (ft)          36555.15    Top Width (ft)          15881.25    1440.75   19233.15
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.79       2.78       1.80
  Max Chl Dpth (ft)         192.31    Hydr. Depth (ft)           94.97     183.71      95.39
  Conv. Total (cfs)       774806000.0    Conv. (cfs)            310800500.0   84621980.0   379383500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15895.59    1443.55   19237.62
  Min Ch El (ft)            567.46    Shear (lb/sq ft)            0.45       0.86       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.80       2.40       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    73310.61   13794.45   88361.75
  C & E Loss (ft)             0.00    Cum SA (acres)            610.06      62.54     706.74


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274908.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  198.93  791.47  647.23  773.97 1363.58  760.89 1543.84  752.53
 1831.72  745.73 2000.54  743.22 2353.58  743.22 2690.59  741.38 3595.75  724.51
 3668.13  720.57 3760.12  716.78 3771.53  716.58 3974.79  716.32 4156.12  713.22
 4300.25  709.95 4454.99  705.44 4833.24  696.21 5294.24  689.94 5637.32  687.49
 5784.95  686.01 5945.59  678.75  6014.7  671.77 6380.81   670.7 6733.53  674.49
 6875.81  676.44  7098.1  662.88 7266.21   656.1 7338.12  649.32 7387.62  649.32
 7539.53  654.05 7759.24  664.12 7822.85  664.76  7953.6  668.77 8320.65   667.8
 8369.03  671.59 8525.19  681.73 8821.25  671.51 8835.48     670 9009.91  656.96
    9150  656.56 9406.84  669.38 9583.36  668.87 9768.29  654.78 9956.36  650.61
10102.05  641.3610119.46  641.0210210.05  627.4610380.03  607.1210437.94  607.12
10480.38   613.310608.45  641.6210717.19  657.4611108.97  651.6911268.76  646.12
11325.16  642.0711540.17   638.911795.13  641.5912098.52  637.1212740.15  630.34
14217.83  630.3414461.04  627.1215086.25  627.1215567.24   633.915627.95  640.68
15925.01  635.7915932.06  632.4516039.83  630.4216705.74   601.717272.65  593.56
17370.48  586.2317714.93  584.28 17803.8  576.9917943.65  567.4518443.76  567.45
 18582.2  571.3618714.93  593.5618800.39   608.8 18818.7  610.9519048.41  625.26
19472.45  631.2819891.88  631.7221926.62   626.122037.65   626.1 22258.8  627.09
22596.01  625.3923546.47  629.6623794.48  636.4425409.15  643.22 25777.6  646.44
26185.35  651.0526812.13  666.2227027.95  666.7828101.79  666.7828713.96  663.56
28977.81  663.5629530.91  656.7829759.94  652.8429925.24  650.5130060.14  644.15
30203.34   644.630486.63  652.2630796.63   654.931854.69   670.332494.72  673.78
33427.37  701.3833564.85  702.1234159.37  686.0334192.81  686.2135728.34   720.3
36733.61  723.0536923.87  727.3737262.93  742.4137302.88  743.4237598.28  747.69
37917.83  759.0238070.17  762.8838816.28     790 39486.8  794.5139824.93     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517272.65     .1518714.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17272.6518714.93                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.83    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508196.00   264950.20   1835041.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508196.00   264950.20   1835041.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2698647.00   735609.80   3295743.00
  Top Width (ft)          36559.76    Top Width (ft)          15884.94    1442.28   19232.54
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.79       2.78       1.80
  Max Chl Dpth (ft)         192.32    Hydr. Depth (ft)           94.94     183.70      95.41
  Conv. Total (cfs)       774967800.0    Conv. (cfs)            310752500.0   84706370.0   379508900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15899.31    1445.08   19236.99
  Min Ch El (ft)            567.45    Shear (lb/sq ft)            0.45       0.86       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.80       2.40       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    73137.49   13764.05   88151.13
  C & E Loss (ft)             0.00    Cum SA (acres)            608.24      62.38     704.53


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274905.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  198.98  791.47  647.38  773.96 1363.88  760.89 1544.17  752.52
 1832.12  745.72 2000.98  743.21  2354.1  743.21 2691.18  741.37 3596.54  724.53
 3668.94  720.59 3760.95  716.79 3772.36  716.59 3975.66  716.32 4157.03  713.21
 4301.19  709.94 4455.97  705.42  4834.3  696.19  5295.4  689.92 5638.55  687.47
 5786.22  685.99 5946.89  678.73 6016.02  671.73 6382.21  670.66 6735.01  674.47
 6877.32  676.42 7099.65  662.84  7267.8  656.05 7339.73  649.26 7389.25  649.26
 7541.19     654 7760.94  664.07 7824.57  664.71 7955.35  668.75 8322.48  667.81
 8370.87  671.61 8527.06  681.79 8823.19   671.6 8837.42  670.09 9011.89  657.03
 9152.01  656.63 9408.91  669.47 9585.47  668.97 9770.43  654.86 9958.55  650.68
10104.27  641.4510121.68  641.1110212.29  627.5310382.31  607.1610440.23  607.16
10482.68  613.3510610.78  641.6710719.54  657.5311111.41  651.7511271.23  646.19
11327.64  642.14 11542.7  638.9711797.72  641.6312101.17  637.1612742.94  630.37
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14220.96  630.3714464.22  627.1615089.57  627.1615570.66  633.9515631.38  640.74
15928.51  635.8415935.56  632.5216043.35  630.4816709.41  601.7317276.45  593.58
17374.41  586.2417719.35  584.2917808.34      57717948.39  567.4518448.74  567.45
18587.35  571.3618720.24  593.58 18805.7   608.8   18824  610.9519053.69  625.23
19477.68  631.2419897.07  631.6821931.57  626.05 22042.6  626.0522263.72  627.05
22600.89  625.3523551.25  629.6323799.23  636.4225413.71  643.2125782.12  646.43
26189.83  651.0526816.53  666.2427032.33  666.7928106.05  666.7928718.15  663.58
28981.97  663.5829535.01  656.7929764.01  652.8529929.29  650.5130064.18  644.14
30207.36  644.5830490.62  652.2530800.58  654.8931858.52  670.2732498.48  673.75
33431.03  701.2933568.49  702.0434162.94  686.0134196.38  686.1935731.73  720.22
36736.89  722.9836927.13   727.337266.16  742.34 37306.1  743.3537601.46  747.64
37920.98  758.97 38073.3  762.8438819.33      79039489.77  794.5139827.86     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517276.45     .1518720.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17276.4518720.24                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.83    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508198.00   265215.60   1835381.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508198.00   265215.60   1835381.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2697702.00   736174.40   3296124.00
  Top Width (ft)          36564.51    Top Width (ft)          15888.46    1443.79   19232.26
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.79       2.78       1.80
  Max Chl Dpth (ft)         192.32    Hydr. Depth (ft)           94.92     183.69      95.43
  Conv. Total (cfs)       775125900.0    Conv. (cfs)             310707100.0   84788680.0   379630100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15902.84    1446.59   19236.70
  Min Ch El (ft)            567.45    Shear (lb/sq ft)            0.45       0.86       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.80       2.40       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    72964.38   13733.62   87940.48
  C & E Loss (ft)             0.00    Cum SA (acres)            606.42      62.21     702.32


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274902.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  199.02  791.46  647.52  773.95 1364.18  760.89 1544.51  752.51
 1832.52  745.71 2001.42   743.2 2354.61   743.2 2691.77  741.36 3597.32  724.55
 3669.74  720.61 3761.77   716.8 3773.18   716.6 3976.54  716.31 4157.95   713.2
 4302.13  709.92 4456.95   705.4 4835.37  696.17 5296.56  689.91 5639.79  687.45
 5787.49  685.97  5948.2   678.7 6017.34   671.7 6383.62  670.63 6736.48  674.45
 6878.83   676.4 7101.21   662.8  7269.4     656 7341.35   649.2 7390.87   649.2
 7542.84  653.95 7762.65  664.01 7826.28  664.66  7957.1  668.72  8324.3  667.82
 8372.71  671.63 8528.93  681.84 8825.12  671.69 8839.36  670.17 9013.87   657.1
 9154.02   656.7 9410.98  669.57 9587.57  669.06 9772.58  654.94 9960.73  650.76
10106.49  641.54 10123.9   641.210214.53   627.610384.59   607.210442.52   607.2
10484.98   613.410613.11  641.71 10721.9   657.611113.85  651.8111273.71  646.25
11330.13  642.2211545.24  639.0511800.31  641.6812103.83   637.212745.74   630.4
14224.08   630.4 14467.4   627.215092.88   627.215574.08     63415634.81   640.8
   15932   635.915939.06  632.5816046.87  630.5416713.08  601.7517280.24   593.6
17378.34  586.2517723.76  584.3117812.88  577.0117953.12  567.4518453.72  567.45
 18592.5  571.3518725.56   593.6   18811   608.818829.31  610.9419058.97  625.19
19482.91  631.2119902.25  631.6421936.53     62622047.54     62622268.64     627
22605.77  625.3223556.02   629.623803.97   636.425418.28   643.225786.64  646.43
 26194.3  651.0426820.93  666.2527036.71   666.828110.31   666.828722.34   663.6
28986.13   663.6 29539.1   656.829768.08  652.8529933.34  650.5130068.21  644.13
30211.38  644.5730494.61  652.2430804.54  654.8931862.35  670.2532502.24  673.73
33434.68  701.2133572.13  701.9534166.52  685.9934199.95  686.1735735.13  720.13
36740.18  722.9136930.39  727.2437269.38  742.2737309.32  743.2837604.65   747.6
37924.13  758.9238076.44   762.838822.38     79039492.74  794.52 39830.8     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517280.24     .1518725.56     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17280.2418725.56                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.83    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508199.00   265483.30   1835705.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508199.00   265483.30   1835705.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2696775.00   736747.80   3296477.00
  Top Width (ft)          36569.23    Top Width (ft)          15891.97    1445.32   19231.95
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.79       2.78       1.80
  Max Chl Dpth (ft)         192.32    Hydr. Depth (ft)           94.90     183.68      95.45
  Conv. Total (cfs)       775278700.0    Conv. (cfs)             310661600.0   84871460.0   379745700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15906.36    1448.13   19236.38
  Min Ch El (ft)            567.45    Shear (lb/sq ft)            0.45       0.86       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.80       2.39       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    72791.26   13703.17   87729.79
  C & E Loss (ft)             0.00    Cum SA (acres)            604.59      62.04     700.12


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274899.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  199.06  791.46  647.66  773.93 1364.48  760.89 1544.85  752.51
 1832.92  745.71 2001.86  743.19 2355.13  743.19 2692.36  741.34 3598.11  724.56
 3670.55  720.62  3762.6  716.81 3774.01  716.61 3977.41  716.31 4158.86  713.19
 4303.08  709.91 4457.92  705.39 4836.43  696.15 5297.72  689.89 5641.03  687.44
```

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 5788.76  685.95 5949.51  678.67 6018.66  671.66 6385.02   670.6 6737.96  674.42
 6880.34  676.38 7102.77  662.76 7270.99  655.95 7342.96  649.14 7392.49  649.14
  7544.5  653.89 7764.35  663.96    7828  664.62 7958.84  668.69 8326.13  667.82
 8374.54  671.64  8530.8   681.9 8827.06  671.78  8841.3  670.26 9015.85  657.17
 9156.03  656.77 9413.04  669.66 9589.68  669.16 9774.72  655.02 9962.92  650.83
10108.71  641.6310126.12  641.2910216.78  627.6710386.87  607.2410444.81  607.24
10487.29  613.4510615.44  641.7610724.25  657.6711116.29  651.8811276.18  646.32
11332.62   642.311547.77  639.12 11802.9  641.7312106.49  637.2412748.54  630.43
 14227.2  630.4314470.57  627.2415096.19  627.24 15577.5  634.0515638.25  640.86
 15935.5  635.9515942.55  632.6416050.39   630.616716.75  601.7817284.03  593.62
17382.27  586.2617728.17  584.3317817.42  577.0217957.85  567.45 18458.7  567.45
18597.65  571.3518730.88  593.6218816.31   608.818834.61  610.9419064.25  625.15
19488.14  631.1719907.44   631.621941.48  625.9522052.48  625.9522273.56  626.95
22610.65  625.2823560.79  629.5723808.72  636.3825422.84  643.1925791.16  646.42
26198.78  651.0426825.34  666.2627041.08  666.8128114.57  666.8128726.53  663.62
28990.29  663.62 29543.2  656.8129772.15  652.8529937.39  650.5130072.25  644.11
 30215.4  644.55 30498.6  652.2430808.49  654.8831866.19  670.22   32506  673.71
33438.34  701.1233575.77  701.8734170.09  685.9734203.52  686.1535738.53  720.04
36743.46  722.8436933.66  727.1837272.61  742.1937312.54  743.2137607.84  747.55
37927.28  758.8838079.57  762.7638825.43     79039495.71  794.5339833.73     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517284.03     .1518730.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17284.0318730.88                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.83    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508200.00   265750.00   1836057.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508200.00   265750.00   1836057.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2695805.00   737302.50   3296892.00
  Top Width (ft)          36573.63    Top Width (ft)          15895.44    1446.85   19231.33
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.79       2.77       1.80
  Max Chl Dpth (ft)         192.32    Hydr. Depth (ft)           94.88     183.67      95.47
  Conv. Total (cfs)       775445700.0    Conv. (cfs)             310616700.0   84953650.0   379875300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15909.85    1449.66   19235.76
  Min Ch El (ft)            567.45    Shear (lb/sq ft)            0.45       0.86       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.80       2.39       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    72618.14   13672.68   87519.06
  C & E Loss (ft)             0.00    Cum SA (acres)            602.77      61.88     697.91


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274896.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  199.11  791.45   647.8  773.92 1364.78  760.88 1545.19   752.5
 1833.33   745.7  2002.3  743.18 2355.65  743.18 2692.95  741.33  3598.9  724.58
 3671.36  720.64 3763.43  716.82 3774.84  716.62 3978.28   716.3 4159.77  713.18
 4304.02  709.89  4458.9  705.37 4837.49  696.13 5298.89  689.88 5642.27  687.42
 5790.03  685.93 5950.81  678.65 6019.98  671.63 6386.42  670.56 6739.44   674.4
 6881.85  676.36 7104.33  662.72 7272.59   655.9 7344.57  649.08 7394.11  649.08
 7546.15  653.84 7766.06  663.91 7829.72  664.57 7960.59  668.67 8327.96  667.83
 8376.38  671.66 8532.67  681.96    8829  671.86 8843.24  670.35 9017.83  657.25
 9158.04  656.85 9415.11  669.76 9591.78  669.26 9776.87  655.09 9965.11  650.91
10110.93  641.7210128.34  641.3810219.02  627.7410389.15  607.28 10447.1  607.28
10489.59   613.510617.77  641.81 10726.6  657.7411118.73  651.9411278.66  646.39
 11335.1  642.37 11550.3  639.1911805.49  641.7712109.14  637.2812751.34  630.46
14230.32  630.4614473.75  627.2815099.51  627.2815580.92   634.115641.68  640.92
   15939     63615946.05   632.716053.92  630.6616720.41   601.817287.83  593.64
 17386.2  586.2717732.59  584.3517821.96  577.0317962.59  567.4518463.68  567.45
 18602.8  571.3418736.19  593.6418821.62   608.818839.92  610.9419069.53  625.12
19493.38  631.1419912.62  631.5521946.44   625.922057.42   625.922278.47   626.9
22615.53  625.2423565.56  629.5423813.46  636.36 25427.4  643.1825795.68  646.42
26203.25  651.0426829.74  666.2727045.46  666.8228118.83  666.8228730.72  663.64
28994.45  663.64 29547.3  656.8229776.22  652.8629941.45  650.5130076.29   644.1
30219.43  644.5430502.59  652.2330812.44  654.8731870.02  670.1932509.77  673.68
   33442  701.0333579.41  701.7834173.66  685.9534207.09  686.1335741.93  719.95
36746.75  722.7736936.92  727.1137275.83  742.1237315.75  743.1437611.02   747.5
37930.43  758.83 38082.7  762.7238828.48     79039498.69  794.5339836.67     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517287.83     .1518736.19     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17287.8318736.19                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.83    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508202.00   266013.90   1836423.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508202.00   266013.90   1836423.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2694819.00   737853.90   3297327.00
  Top Width (ft)          36578.52    Top Width (ft)          15899.14    1448.36   19231.02
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.79       2.77       1.80
  Max Chl Dpth (ft)         192.32    Hydr. Depth (ft)           94.86     183.67      95.49
  Conv. Total (cfs)       775610000.0    Conv. (cfs)             310568900.0   85035190.0   380005900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15913.57    1451.17   19235.44
  Min Ch El (ft)            567.45    Shear (lb/sq ft)            0.45       0.86       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.80       2.39       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    72445.02   13642.16   87308.29
  C & E Loss (ft)             0.00    Cum SA (acres)            600.94      61.71     695.70


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274894.*
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INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  199.15  791.45  647.94  773.91 1365.08  760.88 1545.53  752.49
 1833.73  745.69 2002.74  743.17 2356.16  743.17 2693.55  741.32 3599.69   724.6
 3672.16  720.65 3764.25  716.83 3775.67  716.63 3979.15   716.3 4160.68  713.17
 4304.97  709.88 4459.88  705.35 4838.55  696.11 5300.05  689.86 5643.51   687.4
  5791.3  685.91 5952.12  678.62 6021.31  671.59 6387.82  670.53 6740.92  674.38
 6883.36  676.34 7105.89  662.68 7274.19  655.85 7346.18  649.02 7395.73  649.02
 7547.81  653.79 7767.76  663.85 7831.44  664.53 7962.33  668.64 8329.78  667.84
 8378.22  671.68 8534.55  682.01 8830.94  671.95 8845.18  670.44  9019.8  657.32
 9160.05  656.92 9417.17  669.85 9593.88  669.35 9779.01  655.17 9967.29  650.98
10113.14  641.8110130.57  641.4710221.26  627.8110391.43  607.32 10449.4  607.32
10491.89  613.55 10620.1  641.8510728.96  657.8111121.17     65211281.13  646.46
11337.59  642.4511552.84  639.2611808.08  641.82 12111.8  637.3212754.13  630.49
14233.45  630.4914476.92  627.3215102.82  627.3215584.34  634.1515645.11  640.98
15942.49  636.0515949.55  632.7716057.44  630.7316724.08  601.8317291.62  593.66
17390.13  586.28   17737  584.3617826.49  577.0417967.32  567.4518468.66  567.45
18607.96  571.3418741.51  593.6618826.93  608.7918845.22  610.9419074.81  625.08
19498.61   631.1 19917.8  631.5121951.39  625.8522062.36  625.8522283.39  626.85
 22620.4  625.2123570.33  629.51 23818.2  636.3425431.96  643.17 25800.2  646.41
26207.72  651.0326834.14  666.2827049.84  666.8328123.08  666.8328734.91  663.66
28998.61  663.6629551.39  656.8329780.29  652.86 29945.5  650.5130080.32  644.09
30223.45  644.5330506.58  652.22 30816.4  654.8631873.86  670.1632513.53  673.66
33445.65  700.9533583.05   701.734177.24  685.9334210.66  686.1135745.32  719.86
36750.03  722.6936940.18  727.0537279.05  742.0537318.97  743.0837614.21  747.45
37933.58  758.7938085.84  762.6838831.53     79039501.66  794.5439839.61     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517291.62     .1518741.51     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17291.6218741.51                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.83    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508200.00   266282.90   1836770.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508200.00   266282.90   1836770.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2693843.00   738420.90   3297736.00
  Top Width (ft)          36582.94    Top Width (ft)          15902.65    1449.89   19230.40
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.79       2.77       1.80
  Max Chl Dpth (ft)         192.32    Hydr. Depth (ft)           94.84     183.66      95.51
  Conv. Total (cfs)       775775200.0    Conv. (cfs)            310522500.0   85118660.0   380134000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15917.09    1452.70   19234.81
  Min Ch El (ft)            567.45    Shear (lb/sq ft)            0.45       0.86       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.80       2.39       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    72271.91   13611.61   87097.48
  C & E Loss (ft)             0.00    Cum SA (acres)            599.12      61.55     693.49


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274891.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   199.2  791.44  648.09   773.9 1365.38  760.88 1545.87  752.48
 1834.13  745.69 2003.18  743.16 2356.68  743.16 2694.14   741.3 3600.48  724.62
 3672.97  720.67 3765.08  716.84  3776.5  716.64 3980.03  716.29  4161.6  713.16
 4305.91  709.86 4460.86  705.34 4839.61  696.09 5301.21  689.85 5644.74  687.38
 5792.57  685.89 5953.42  678.59 6022.63  671.55 6389.22   670.5  6742.4  674.35
 6884.87  676.32 7107.45  662.64 7275.78   655.8 7347.79  648.96 7397.36  648.96
 7549.46  653.73 7769.46   663.8 7833.16  664.48 7964.08  668.61 8331.61  667.84
 8380.06  671.69 8536.42  682.07 8832.87  672.04 8847.12  670.53 9021.78  657.39
 9162.06  656.99 9419.24  669.95 9595.99  669.45 9781.16  655.25 9969.48  651.06
10115.36   641.910132.79  641.56 10223.5  627.8810393.71  607.3610451.69  607.36
10494.19   613.610622.43   641.910731.31  657.8811123.61  652.0611283.61  646.53
11340.08  642.5311555.37  639.3311810.67  641.8712114.46  637.3612756.93  630.52
14236.57  630.52 14480.1  627.3615106.13  627.3615587.75   634.215648.54  641.04
15945.99  636.1115953.05  632.8316060.96  630.7916727.75  601.8617295.41  593.68
17394.06   586.317741.41  584.3817831.03  577.0517972.06  567.4518473.64  567.45
18613.11  571.3318746.83  593.6818832.23  608.7918850.53  610.9319080.09  625.04
19503.84  631.0719922.99  631.4721956.35   625.8 22067.3   625.822288.31   626.8
22625.28  625.1723575.11  629.4823822.95  636.3225436.52  643.1625804.72  646.41
 26212.2  651.0326838.55  666.2927054.22  666.8428127.34  666.8428739.09  663.68
29002.77  663.6829555.49  656.8429784.37  652.8729949.55   650.530084.36  644.08
30227.47  644.5130510.57  652.2230820.35  654.8631877.69  670.1332517.29  673.63
33449.31  700.86 33586.7  701.6134180.81  685.9134214.23  686.0935748.72  719.78
36753.31  722.6236943.45  726.9937282.28  741.98 37322.2  743.0137617.39  747.41
37936.73  758.7438088.97  762.6438834.57     79039504.64  794.5539842.54     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517295.41     .1518746.83     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17295.4118746.83                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.83    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508198.00   266548.30   1837102.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508198.00   266548.30   1837102.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2692905.00   738981.40   3298113.00
  Top Width (ft)          36587.64    Top Width (ft)          15906.16    1451.42   19230.06
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.79       2.77       1.80
  Max Chl Dpth (ft)         192.32    Hydr. Depth (ft)           94.82     183.65      95.53
  Conv. Total (cfs)       775929300.0    Conv. (cfs)            310476100.0   85200190.0   380253000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15920.61    1454.24   19234.47
  Min Ch El (ft)            567.45    Shear (lb/sq ft)            0.44       0.86       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.79       2.39       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    72098.79   13581.03   86886.63
  C & E Loss (ft)             0.00    Cum SA (acres)            597.29      61.38     691.29
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CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274888.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  199.24  791.44  648.23  773.88 1365.68  760.88 1546.21  752.48
 1834.53  745.68 2003.62  743.15  2357.2  743.15 2694.73  741.29 3601.27  724.63
 3673.77  720.68  3765.9  716.85 3777.32  716.65  3980.9  716.29 4162.51  713.15
 4306.86  709.85 4461.84  705.32 4840.67  696.07 5302.38  689.83 5645.98  687.36
 5793.84  685.88 5954.73  678.56 6023.95  671.52 6390.62  670.46 6743.88  674.33
 6886.38   676.3 7109.01   662.6 7277.38  655.75  7349.4   648.9 7398.98   648.9
 7551.12  653.68 7771.17  663.75 7834.87  664.44 7965.83  668.58 8333.44  667.85
 8381.89  671.71 8538.29  682.13 8834.81  672.13 8849.06  670.62 9023.76  657.46
 9164.07  657.07  9421.3  670.04 9598.09  669.55  9783.3  655.33 9971.67  651.13
10117.58  641.9910135.01  641.6510225.74  627.9510395.99   607.410453.98   607.4
10496.49  613.6510624.75  641.9510733.66  657.9511126.04  652.1211286.08  646.59
11342.56  642.6111557.91  639.4111813.26  641.9112117.11   637.412759.73  630.55
14239.69  630.5514483.27   627.415109.44   627.415591.17  634.2515651.97   641.1
15949.49  636.1615956.55  632.8916064.48  630.8516731.42  601.8817299.21   593.7
17397.99  586.3117745.83   584.417835.57  577.0617976.79  567.4518478.62  567.45
18618.26  571.3318752.14   593.718837.54  608.7918855.83  610.9319085.37  625.01
19509.07  631.0319928.17  631.43 21961.3  625.7522072.25  625.7522293.22  626.75
22630.16  625.1323579.88  629.4523827.69   636.325441.08  643.1525809.24   646.4
26216.67  651.0326842.95  666.31 27058.6  666.85 28131.6  666.8528743.28   663.7
29006.93   663.729559.59  656.8529788.44  652.87 29953.6   650.5 30088.4  644.06
30231.49   644.530514.56  652.21 30824.3  654.8531881.53   670.132521.05  673.61
33452.97  700.7733590.34  701.5334184.39  685.89 34217.8  686.0735752.12  719.69
 36756.6  722.5536946.71  726.93 37285.5  741.9137325.41  742.9437620.58  747.36
37939.88   758.738092.11   762.638837.62     79039507.61  794.5539845.48     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517299.21     .1518752.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17299.2118752.14                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.83    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508203.00   266811.10   1837447.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508203.00   266811.10   1837447.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2691955.00   739526.80   3298519.00
  Top Width (ft)          36592.02    Top Width (ft)          15909.64    1452.93   19229.45
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.78       2.77       1.80
  Max Chl Dpth (ft)         192.32    Hydr. Depth (ft)           94.80     183.64      95.55
  Conv. Total (cfs)       776093700.0    Conv. (cfs)            310432300.0   85281140.0   380380300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15924.11    1455.75   19233.84
  Min Ch El (ft)            567.45    Shear (lb/sq ft)            0.44       0.86       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.79       2.38       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    71925.67   13550.42   86675.73
  C & E Loss (ft)             0.00    Cum SA (acres)            595.47      61.21     689.08


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274885.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  199.28  791.43  648.37  773.87 1365.98  760.87 1546.55  752.47
 1834.93  745.68 2004.06  743.14 2357.71  743.14 2695.32  741.28 3602.06  724.65
 3674.58   720.7 3766.73  716.86 3778.15  716.66 3981.77  716.28 4163.42  713.14
  4307.8  709.83 4462.81   705.3 4841.73  696.05 5303.54  689.82 5647.22  687.34
 5795.11  685.86 5956.03  678.54 6025.27  671.48 6392.02  670.43 6745.36  674.31
 6887.89  676.28 7110.56  662.56 7278.97   655.7 7351.01  648.84  7400.6  648.84
 7552.77  653.63 7772.87  663.69 7836.59  664.39 7967.57  668.56 8335.27  667.86
 8383.73  671.73 8540.16  682.18 8836.75  672.22    8851  670.71 9025.74  657.53
 9166.08  657.14 9423.37  670.14  9600.2  669.64 9785.45  655.41 9973.85  651.21
 10119.8  642.0810137.23  641.7410227.99  628.0210398.27  607.4410456.27  607.44
10498.79   613.710627.08  641.9910736.02  658.0211128.48  652.1811288.56  646.66
11345.05  642.6811560.44  639.4811815.85  641.9612119.77  637.4412762.53  630.58
14242.81  630.5814486.45  627.4415112.76  627.4415594.59   634.315655.41  641.16
15952.99  636.2115960.05  632.95   16068  630.9116735.09  601.91   17303  593.72
17401.92  586.3217750.24  584.4217840.11  577.0717981.52  567.4518483.59  567.45
18623.41  571.3318757.46  593.7218842.85  608.7918861.14  610.9319090.65  624.97
 19514.3     63119933.36  631.3921966.26   625.722077.19   625.722298.14  626.71
22635.04   625.123584.65  629.4223832.44  636.2825445.64  643.1425813.76   646.4
26221.15  651.0226847.35  666.3227062.98  666.8628135.86  666.8628747.47  663.72
29011.09  663.7229563.68  656.8629792.51  652.8829957.65   650.530092.43  644.05
30235.51  644.4830518.54   652.230828.26  654.8431885.36  670.0732524.81  673.59
33456.62  700.6933593.98  701.4434187.96  685.8734221.38  686.0535755.51   719.6
36759.88  722.4836949.97  726.8637288.73  741.8437328.63  742.8737623.77  747.31
37943.03  758.6538095.24  762.5638840.67     79039510.58  794.5639848.41     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   17303     .1518757.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         1730318757.46                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.83    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508197.00   267077.60   1837787.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508197.00   267077.60   1837787.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2690986.00   740092.30   3298922.00
  Top Width (ft)          36596.89    Top Width (ft)          15913.33    1454.46   19229.10
```

```
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.78       2.77       1.80
  Max Chl Dpth (ft)         192.32    Hydr. Depth (ft)           94.78     183.63      95.57
  Conv. Total (cfs)       776247600.0    Conv. (cfs)            310382000.0   85363270.0   380502300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15927.82    1457.28   19233.48
  Min Ch El (ft)            567.45    Shear (lb/sq ft)            0.44       0.86       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.79       2.38       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    71752.55   13519.78   86464.80
  C & E Loss (ft)             0.00    Cum SA (acres)            593.64      61.05     686.87


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274882.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  199.33  791.43  648.51  773.86 1366.28  760.87 1546.89  752.46
 1835.34  745.67  2004.5  743.13 2358.23  743.13 2695.91  741.27 3602.85  724.67
 3675.38  720.71 3767.55  716.87 3778.98  716.67 3982.65  716.28 4164.34  713.13
 4308.74  709.82 4463.79  705.29 4842.79  696.03  5304.7   689.8 5648.46  687.33
 5796.38  685.84 5957.34  678.51 6026.59  671.44 6393.42   670.4 6746.83  674.29
  6889.4  676.26 7112.12  662.52 7280.57  655.65 7352.63  648.78 7402.22  648.78
 7554.43  653.58 7774.58  663.64 7838.31  664.34 7969.32  668.53 8337.09  667.86
 8385.57  671.75 8542.03  682.24 8838.69  672.31 8852.94  670.79 9027.72   657.6
 9168.09  657.21 9425.44  670.23  9602.3  669.74 9787.59  655.49 9976.04  651.28
10122.02  642.1710139.46  641.8310230.23  628.0910400.54  607.4810458.56  607.48
10501.09  613.7510629.41  642.0410738.37  658.0911130.92  652.2411291.03  646.73
11347.54  642.7611562.98  639.5511818.44  642.0112122.43  637.4812765.33  630.61
14245.93  630.6114489.63  627.4815116.07  627.4815598.01  634.3515658.84  641.22
15956.48  636.2715963.55  633.0216071.53  630.9716738.76  601.9317306.79  593.74
17405.85  586.3317754.65  584.4417844.64  577.0817986.26  567.4418488.57  567.44
18628.56  571.3218762.78  593.7418848.15  608.7918866.44  610.9219095.93  624.93
19519.53  630.9619938.54  631.3521971.21  625.6522082.13  625.6522303.06  626.66
22639.92  625.0623589.42  629.3923837.18  636.2625450.21  643.1325818.29  646.39
26225.62  651.0226851.76  666.3327067.36  666.8728140.12  666.8728751.66  663.74
29015.25  663.7429567.78  656.8729796.58  652.8829961.71   650.530096.47  644.04
30239.53  644.4730522.53  652.1930832.21  654.8331889.19  670.0432528.58  673.56
33460.28   700.633597.62  701.3634191.54  685.8534224.95  686.0335758.91  719.51
36763.16  722.4136953.23   726.837291.95  741.7737331.85   742.837626.95  747.26
37946.18   758.638098.37  762.5238843.72     79039513.55  794.5739851.34     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517306.79     .1518762.78     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17306.7918762.78                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.83    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508195.00   267351.60   1838148.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508195.00   267351.60   1838148.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2689997.00   740677.40   3299326.00
  Top Width (ft)          36601.57    Top Width (ft)          15916.84    1455.99   19228.74
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.78       2.77       1.79
  Max Chl Dpth (ft)         192.33    Hydr. Depth (ft)           94.75     183.62      95.59
  Conv. Total (cfs)       776416400.0    Conv. (cfs)            310335500.0   85449340.0   380631600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15931.34    1458.81   19233.12
  Min Ch El (ft)            567.44    Shear (lb/sq ft)            0.44       0.86       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.79       2.38       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    71579.44   13489.11   86253.84
  C & E Loss (ft)             0.00    Cum SA (acres)            591.81      60.88     684.67


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274879.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  199.37  791.43  648.66  773.85 1366.58  760.87 1547.23  752.45
 1835.74  745.66 2004.94  743.12 2358.75  743.12  2696.5  741.25 3603.64  724.68
 3676.19  720.73 3768.38  716.88 3779.81  716.68 3983.52  716.27 4165.25  713.12
 4309.69   709.8 4464.77  705.27 4843.86  696.01 5305.86  689.79  5649.7  687.31
 5797.65  685.82 5958.65  678.48 6027.91  671.41 6394.83  670.36 6748.31  674.26
 6890.91  676.24 7113.68  662.48 7282.16   655.6 7354.24  648.72 7403.85  648.72
 7556.09  653.52 7776.28  663.59 7840.03   664.3 7971.07   668.5 8338.92  667.87
 8387.41  671.76 8543.91   682.3 8840.62   672.4 8854.88  670.88  9029.7  657.67
  9170.1  657.28  9427.5  670.33 9604.41  669.84 9789.74  655.56 9978.23  651.36
10124.24  642.2610141.68  641.9210232.47  628.1610402.82  607.5210460.86  607.52
 10503.4  613.7910631.74  642.0910740.72  658.1611133.36  652.31 11293.5   646.8
11350.03  642.8411565.51  639.6211821.03  642.0512125.08  637.5212768.12  630.64
14249.06  630.64 14492.8  627.5215119.38  627.5215601.43   634.415662.27  641.28
15959.98  636.3215967.04  633.0816075.05  631.0316742.43  601.9617310.58  593.76
17409.78  586.3417759.07  584.4517849.18  577.0917990.99  567.4418493.55  567.44
18633.71  571.32 18768.1  593.7618853.46  608.7918871.75  610.9219101.21   624.9
19524.77  630.9319943.73   631.321976.16   625.622087.07   625.622307.98  626.61
 22644.8  625.0323594.19  629.3623841.92  636.2425454.77  643.12 25822.8  646.39
 26230.1  651.0226856.16  666.3427071.74  666.8828144.37  666.8828755.85  663.76
 29019.4  663.7629571.88  656.8829800.65  652.8829965.76   650.530100.51  644.02
30243.55  644.4530526.52  652.1930836.17  654.8331893.03  670.0132532.34  673.54
33463.94  700.5133601.26  701.2734195.11  685.8234228.52  686.0135762.31  719.42
36766.45  722.34 36956.5  726.7437295.17   741.737335.07  742.7337630.14  747.21
37949.33  758.56 38101.5  762.4838846.77     79039516.53  794.5739854.28     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517310.58     .15 18768.1     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17310.58 18768.1                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
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```
  E.G. Elev (ft)            759.82    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508206.00   267619.90   1838492.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508206.00   267619.90   1838492.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2689049.00   741237.60   3299714.00
  Top Width (ft)          36605.96    Top Width (ft)          15920.34    1457.52   19228.10
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.78       2.77       1.79
  Max Chl Dpth (ft)         192.33    Hydr. Depth (ft)           94.73     183.61      95.61
  Conv. Total (cfs)       776584700.0    Conv. (cfs)            310293300.0   85532510.0   380758900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15934.87    1460.34   19232.47
  Min Ch El (ft)            567.44    Shear (lb/sq ft)            0.44       0.86       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.79       2.38       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    71406.32   13458.40   86042.83
  C & E Loss (ft)             0.00    Cum SA (acres)            589.98      60.71     682.46


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274876.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  199.41  791.42   648.8  773.84 1366.88  760.86 1547.56  752.44
 1836.14  745.66 2005.37  743.11 2359.26  743.11 2697.09  741.24 3604.43   724.7
 3676.99  720.75 3769.21  716.89 3780.64  716.69 3984.39  716.27 4166.16  713.11
 4310.63  709.79 4465.75  705.25 4844.92  695.99 5307.03  689.77 5650.93  687.29
 5798.92   685.8 5959.95  678.46 6029.23  671.37 6396.23  670.33 6749.79  674.24
 6892.42  676.22 7115.24  662.44 7283.76  655.55 7355.85  648.66 7405.47  648.66
 7557.74  653.47 7777.98  663.54 7841.74  664.25 7972.81  668.47 8340.75  667.88
 8389.25  671.78 8545.78  682.35 8842.56  672.48 8856.82  670.97 9031.67  657.75
 9172.11  657.36 9429.57  670.42 9606.51  669.93 9791.88  655.64 9980.41  651.43
10126.46  642.35 10143.9  642.0110234.71  628.23 10405.1  607.5610463.15  607.56
 10505.7  613.8410634.07  642.1310743.08  658.23 11135.8  652.3711295.98  646.87
11352.51  642.9111568.04   639.711823.62   642.112127.74  637.5612770.92  630.67
14252.18  630.6714495.98  627.56 15122.7  627.5615604.85  634.45 15665.7  641.34
15963.48  636.3715970.54  633.1416078.57  631.0916746.09  601.9917314.38  593.78
17413.71  586.3517763.48  584.4717853.72   577.117995.73  567.4418498.53  567.44
18638.87  571.3118773.41  593.7818858.77  608.7818877.05  610.9219106.49  624.86
   19530  630.8919948.91  631.2621981.12  625.5522092.02  625.5522312.89  626.56
22649.68  624.9923598.96  629.3323846.67  636.2225459.33  643.1125827.32  646.38
26234.57  651.0126860.56  666.3527076.12  666.8928148.63  666.8928760.04  663.78
29023.56  663.7829575.97  656.8929804.72  652.8929969.81   650.530104.54  644.01
30247.57  644.4430530.51  652.1830840.12  654.8231896.86  669.98 32536.1  673.51
33467.59  700.4333604.91  701.1934198.68   685.834232.09  685.9935765.71  719.34
36769.73  722.2636959.76  726.67 37298.4  741.6337338.29  742.6637633.33  747.17
37952.48  758.5138104.64  762.4438849.82     790 39519.5  794.5839857.21     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517314.38     .1518773.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17314.3818773.41                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.82    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508202.00   267884.10   1838844.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508202.00   267884.10   1838844.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2688072.00   741793.60   3300135.00
  Top Width (ft)          36610.82    Top Width (ft)          15924.05    1459.03   19227.74
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.78       2.77       1.79
  Max Chl Dpth (ft)         192.33    Hydr. Depth (ft)           94.71     183.60      95.63
  Conv. Total (cfs)       776743400.0    Conv. (cfs)            310244000.0   85614150.0   380885200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15938.59    1461.86   19232.10
  Min Ch El (ft)            567.44    Shear (lb/sq ft)            0.44       0.86       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.79       2.38       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    71233.20   13427.67   85831.78
  C & E Loss (ft)             0.00    Cum SA (acres)            588.16      60.54     680.25


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274873.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  199.46  791.42  648.94  773.82 1367.17  760.86  1547.9  752.44
 1836.54  745.65 2005.81   743.1 2359.78   743.1 2697.68  741.23 3605.22  724.72
  3677.8  720.76 3770.03  716.9 3781.47   716.7 3985.26  716.26 4167.07   713.1
 4311.58  709.77 4466.73  705.23 4845.98  695.98 5308.19  689.76 5652.17  687.27
 5800.19  685.78 5961.26  678.43 6030.55  671.33 6397.63   670.3 6751.27  674.22
 6893.93   676.2  7116.8   662.4 7285.36   655.5 7357.46   648.6 7407.09   648.6
  7559.4  653.42 7779.69  663.48 7843.46  664.21 7974.56  668.45 8342.58  667.88
 8391.08   671.8 8547.65  682.41  8844.5  672.57 8858.76  671.06 9033.65  657.82
 9174.12  657.43 9431.63  670.52 9608.62  670.03 9794.03  655.72  9982.6   651.5
10128.67  642.4410146.12   642.110236.95   628.310407.38   607.610465.44   607.6
   10508  613.89 10636.4  642.1810745.43   658.311138.24  652.4311298.45  646.93
   11355  642.9911570.58  639.7711826.21  642.15 12130.4   637.612773.72   630.7
 14255.3   630.714499.15   627.615126.01   627.615608.27   634.515669.13   641.4
15966.97  636.4215974.04  633.2116082.09  631.1516749.76  602.0117318.17   593.8
17417.64  586.3717767.89  584.4917858.26   577.118000.46  567.4418503.51  567.44
18644.02  571.3118778.73   593.818864.08  608.7818882.36  610.9219111.77  624.82
19535.23  630.86 19954.1  631.2221986.07   625.522096.96   625.522317.81  626.51
22654.56  624.9523603.74   629.323851.41   636.225463.89   643.125831.84  646.38
26239.04  651.0126864.97  666.36 27080.5   666.928152.89   666.928764.23   663.8
29027.72   663.829580.07   656.929808.79  652.8929973.86  650.4930108.58     644
30251.59  644.43 30534.5  652.1730844.07  654.81 31900.7  669.9632539.86  673.49
33471.25  700.3433608.55   701.134202.26  685.7834235.66  685.97 35769.1  719.25
36773.02  722.1936963.02  726.6137301.62  741.5637341.51  742.5937636.51  747.12
37955.63  758.4738107.77   762.438852.87     79039522.48  794.5939860.15     800
```

```
Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517318.17     .1518778.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17318.1718778.73                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.82    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508195.00   268149.50   1839181.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508195.00   268149.50   1839181.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2687109.00   742348.20   3300543.00
  Top Width (ft)          36615.19    Top Width (ft)          15927.53    1460.56   19227.10
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.78       2.77       1.79
  Max Chl Dpth (ft)         192.33    Hydr. Depth (ft)           94.69     183.59      95.66
  Conv. Total (cfs)       776901900.0    Conv. (cfs)            310196100.0   85695650.0   381010100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15942.08    1463.39   19231.45
  Min Ch El (ft)            567.44    Shear (lb/sq ft)            0.44       0.86       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.79       2.38       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    71060.09   13396.91   85620.70
  C & E Loss (ft)             0.00    Cum SA (acres)            586.33      60.38     678.04


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274870.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   199.5  791.41  649.08  773.81 1367.47  760.86 1548.24  752.43
 1836.95  745.64 2006.25  743.09  2360.3  743.09 2698.27  741.22 3606.01  724.74
  3678.6  720.78 3770.86  716.91 3782.29  716.71 3986.14  716.25 4167.99  713.09
 4312.52  709.76 4467.71  705.22 4847.04  695.96 5309.35  689.74 5653.41  687.25
 5801.46  685.76 5962.56   678.4 6031.87   671.3 6399.03  670.26 6752.75  674.19
 6895.44  676.18 7118.36  662.36 7286.95  655.45 7359.07  648.54 7408.71  648.54
 7561.05  653.36 7781.39  663.43 7845.18  664.16 7976.31  668.42  8344.4  667.89
 8392.92  671.81 8549.52  682.47 8846.43  672.66  8860.7  671.15 9035.63  657.89
 9176.13   657.5  9433.7  670.61 9610.72  670.13 9796.17   655.8 9984.78  651.58
10130.89  642.5310148.34  642.19 10239.2  628.3710409.66  607.6410467.73  607.64
 10510.3  613.9410638.73  642.2310747.78  658.3711140.68  652.4911300.93     647
11357.49  643.0711573.11  639.84 11828.8  642.1912133.05  637.6412776.52  630.73
14258.42  630.7314502.33  627.6415129.32  627.6415611.68  634.5515672.56  641.46
15970.47  636.4815977.54  633.2716085.62  631.2116753.43  602.0417321.96  593.82
17421.57  586.3817772.31  584.5117862.79  577.1118005.19  567.4418508.49  567.44
18649.17  571.3118784.05  593.8218869.38  608.7818887.67  610.9119117.04  624.79
19540.46  630.8219959.28  631.1821991.03  625.45 22101.9  625.4522322.73  626.46
22659.44  624.9223608.51  629.2723856.15  636.1825468.45  643.0925836.37  646.37
26243.52  651.0126869.37  666.3827084.88  666.9128157.15  666.9128768.42  663.82
29031.88  663.8229584.17  656.9129812.86   652.929977.91  650.4930112.62  643.98
30255.61  644.4130538.49  652.1730848.03   654.831904.53  669.9332543.62  673.47
33474.91  700.2533612.19  701.0134205.83  685.7634239.23  685.95 35772.5  719.16
 36776.3  722.1236966.28  726.5537304.85  741.4937344.73  742.53 37639.7  747.07
37958.78  758.42 38110.9  762.3638855.92     79039525.45  794.5939863.09     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517321.96     .1518784.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17321.9618784.05                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.82    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508195.00   268415.60   1839520.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508195.00   268415.60   1839520.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2686165.00   742906.80   3300929.00
  Top Width (ft)          36619.84    Top Width (ft)          15931.04    1462.09   19226.71
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.78       2.77       1.79
  Max Chl Dpth (ft)         192.33    Hydr. Depth (ft)           94.67     183.58      95.68
  Conv. Total (cfs)       777060500.0    Conv. (cfs)            310150500.0   85777640.0   381132400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15945.61    1464.92   19231.06
  Min Ch El (ft)            567.44    Shear (lb/sq ft)            0.44       0.86       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.79       2.37       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    70886.97   13366.11   85409.57
  C & E Loss (ft)             0.00    Cum SA (acres)            584.50      60.21     675.84


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274867.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  199.55  791.41  649.22   773.8 1367.77  760.86 1548.58  752.42
 1837.35  745.64 2006.69  743.08 2360.81  743.08 2698.86   741.2  3606.8  724.75
 3679.41  720.79 3771.68  716.92 3783.12  716.72 3987.01  716.25  4168.9  713.08
 4313.47  709.74 4468.68   705.2  4848.1  695.94 5310.51  689.73 5654.65  687.23
 5802.73  685.75 5963.87  678.37 6033.19  671.26 6400.43  670.23 6754.23  674.17
 6896.95  676.16 7119.92  662.32 7288.55   655.4 7360.68  648.48 7410.33  648.48
 7562.71  653.31  7783.1  663.38  7846.9  664.11 7978.05  668.39 8346.23   667.9
 8394.76  671.83  8551.4  682.52 8848.37  672.75 8862.64  671.24 9037.61  657.96
 9178.13  657.58 9435.76  670.71 9612.83  670.22 9798.32  655.88 9986.97  651.65
10133.11  642.6210150.57  642.2810241.44  628.4410411.94  607.6810470.03  607.68
 10512.6  613.9910641.06  642.2710750.14  658.4411143.12  652.55 11303.4  647.07
11359.97  643.1411575.65  639.9111831.39  642.2412135.71  637.6812779.31  630.76
14261.54  630.76 14505.5  627.6815132.63  627.68 15615.1   634.6   15676  641.52
15973.97  636.5315981.04  633.3316089.14  631.27 16757.1  602.0617325.76  593.84
 17425.5  586.3917776.72  584.5217867.33  577.1218009.93  567.4418513.47  567.44
18654.32   571.318789.36  593.8418874.69  608.7818892.97  610.9119122.32  624.75
19545.69  630.7919964.46  631.1421995.98   625.422106.84   625.422327.64  626.41
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22664.31  624.8823613.28  629.24 23860.9  636.1625473.02  643.0825840.88  646.36
26247.99     65126873.77  666.3927089.25  666.92 28161.4  666.92 28772.6  663.84
29036.04  663.8429588.26  656.9229816.93   652.929981.97  650.4930116.65  643.97
30259.63   644.430542.48  652.1630851.98   654.831908.37   669.932547.39  673.44
33478.57  700.1733615.83  700.9334209.41  685.74 34242.8  685.93 35775.9  719.07
36779.59  722.0536969.54  726.4937308.07  741.4237347.95  742.4637642.89  747.02
37961.93  758.3838114.04  762.3238858.96     79039528.42   794.639866.02     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517325.76     .1518789.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17325.7618789.36                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.82    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508205.00   268681.80   1839867.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508205.00   268681.80   1839867.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2685214.00   743461.60   3301324.00
  Top Width (ft)          36624.23    Top Width (ft)          15934.55    1463.60   19226.07
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.78       2.77       1.79
  Max Chl Dpth (ft)         192.33    Hydr. Depth (ft)           94.65     183.58      95.70
  Conv. Total (cfs)       777229400.0    Conv. (cfs)            310108100.0   85860360.0   381260900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15949.14    1466.43   19230.41
  Min Ch El (ft)            567.44    Shear (lb/sq ft)            0.44       0.86       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.79       2.37       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    70713.85   13335.29   85198.41
  C & E Loss (ft)             0.00    Cum SA (acres)            582.67      60.04     673.63


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274864.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  199.59   791.4  649.37  773.79 1368.07  760.85 1548.92  752.41
 1837.75  745.63 2007.13  743.07 2361.33  743.07 2699.45  741.19 3607.59  724.77
 3680.22  720.81 3772.51  716.93 3783.95  716.73 3987.88  716.24 4169.81  713.07
 4314.41  709.73 4469.66  705.18 4849.16  695.92 5311.68  689.71 5655.89  687.21
    5804  685.73 5965.17  678.35 6034.51  671.22 6401.83   670.2 6755.71  674.15
 6898.46  676.14 7121.48  662.28 7290.14  655.35 7362.29  648.42 7411.96  648.42
 7564.36  653.26  7784.8  663.32 7848.62  664.07  7979.8  668.37 8348.06   667.9
  8396.6  671.85 8553.27  682.58 8850.31  672.84 8864.58  671.32 9039.59  658.03
 9180.14  657.65 9437.83  670.81 9614.93  670.32 9800.46  655.96 9989.16  651.73
10135.33  642.7110152.79  642.3710243.68  628.5110414.22  607.7210472.32  607.72
 10514.9  614.0410643.39  642.3210752.49  658.5111145.56  652.6111305.88  647.14
11362.46  643.2211578.18  639.9811833.98  642.2912138.37  637.7212782.11  630.79
14264.67  630.7914508.68  627.7215135.95  627.7215618.52  634.6515679.43  641.58
15977.46  636.5815984.54  633.3916092.66  631.3316760.77  602.0917329.55  593.86
17429.43   586.417781.13  584.5417871.87  577.1318014.66  567.4418518.45  567.44
18659.47   571.318794.68  593.86   18880  608.7818898.28  610.91 19127.6  624.72
19550.92  630.7519969.65   631.122000.94  625.3522111.78  625.3522332.56  626.37
 22669.2  624.8423618.05  629.2123865.64  636.1425477.58  643.07 25845.4  646.36
26252.46     65126878.18   666.427093.63  666.9328165.66  666.9328776.79  663.86
 29040.2  663.8629592.36  656.93   29821   652.929986.02  650.4930120.69  643.96
30263.65  644.3830546.47  652.1530855.94  654.79 31912.2  669.8732551.15  673.42
33482.22  700.0833619.47  700.8434212.98  685.7234246.37  685.9135779.29  718.98
36782.87  721.9836972.81  726.4237311.29  741.3537351.17  742.3937646.07  746.98
37965.08  758.3338117.17  762.2838862.02     79039531.39  794.6139868.95     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517329.55     .1518794.68     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17329.5518794.68                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.82    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508199.00   268947.80   1840214.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508199.00   268947.80   1840214.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2684237.00   744021.20   3301742.00
  Top Width (ft)          36629.05    Top Width (ft)          15938.24    1465.13   19225.67
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.78       2.77       1.79
  Max Chl Dpth (ft)         192.33    Hydr. Depth (ft)           94.63     183.57      95.72
  Conv. Total (cfs)       777385900.0    Conv. (cfs)            310057700.0   85942290.0   381386000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15952.85    1467.96   19230.01
  Min Ch El (ft)            567.44    Shear (lb/sq ft)            0.44       0.86       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.79       2.37       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    70540.73   13304.43   84987.20
  C & E Loss (ft)             0.00    Cum SA (acres)            580.84      59.87     671.42


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274861.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  199.63   791.4  649.51  773.77 1368.37  760.85 1549.26   752.4
 1838.15  745.63 2007.57  743.06 2361.85  743.06 2700.04  741.18 3608.38  724.79
 3681.02  720.82 3773.33  716.94 3784.78  716.74 3988.76  716.24 4170.72  713.06
 4315.35  709.71 4470.64  705.17 4850.22   695.9 5312.84   689.7 5657.12   687.2
 5805.27  685.71 5966.48  678.32 6035.83  671.19 6403.23  670.16 6757.19  674.13
 6899.97  676.12 7123.03  662.24 7291.74   655.3 7363.91  648.36 7413.58  648.36
 7566.02   653.2  7786.5  663.27 7850.33  664.02 7981.55  668.34 8349.88  667.91
 8398.44  671.86 8555.14  682.64 8852.25  672.93 8866.52  671.41 9041.57   658.1
 9182.15  657.72  9439.9   670.9 9617.03  670.42 9802.61  656.03 9991.34   651.8
```

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10137.55   642.810155.01  642.4610245.92  628.58 10416.5  607.7610474.61  607.76
 10517.2  614.0910645.72  642.3710754.84  658.58   11148  652.6711308.35  647.21
11364.95   643.311580.71  640.0611836.57  642.3312141.02  637.7612784.91  630.82
14267.79  630.8214511.85  627.7615139.26  627.7615621.94   634.715682.86  641.64
15980.96  636.6315988.04  633.4616096.18  631.3916764.44  602.1117333.34  593.88
17433.36  586.4117785.55  584.5617876.41  577.14 18019.4  567.4418523.43  567.44
18664.62  571.29   18800  593.8818885.31  608.7818903.58   610.919132.88  624.68
19556.15  630.7219974.83  631.0522005.89   625.322116.73   625.322337.48  626.32
22674.07  624.8123622.82  629.1823870.39  636.1225482.14  643.0625849.92  646.35
26256.94     65126882.58  666.4127098.01  666.9428169.92  666.9428780.98  663.88
29044.36  663.8829596.46  656.9429825.07  652.9129990.07  650.4930124.73  643.95
30267.67  644.3730550.46  652.1430859.89  654.7831916.04  669.8432554.91  673.39
33485.88  699.9933623.11  700.7634216.55   685.734249.94  685.8935782.69   718.9
36786.15  721.9136976.07  726.3637314.52  741.2837354.39  742.3237649.26  746.93
37968.23  758.28 38120.3  762.2438865.06     79039534.37  794.6139871.89     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517333.34     .15   18800     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17333.34   18800                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.82    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508196.00   269215.40   1840560.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508196.00   269215.40   1840560.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2683278.00   744581.80   3302141.00
  Top Width (ft)          36633.67    Top Width (ft)          15941.75    1466.66   19225.27
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.78       2.77       1.79
  Max Chl Dpth (ft)         192.33    Hydr. Depth (ft)           94.61     183.56      95.74
  Conv. Total (cfs)       777547400.0    Conv. (cfs)            310011200.0   86024910.0   381511300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15956.37    1469.50   19229.59
  Min Ch El (ft)            567.44    Shear (lb/sq ft)            0.44       0.86       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.79       2.37       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    70367.62   13273.54   84775.95
  C & E Loss (ft)             0.00    Cum SA (acres)            579.01      59.70     669.22


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274859.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  199.68  791.39  649.65  773.76 1368.67  760.85  1549.6   752.4
 1838.55  745.62 2008.01  743.05 2362.37  743.05 2700.64  741.16 3609.17   724.8
 3681.83  720.84 3774.16  716.95 3785.61  716.75 3989.63  716.23 4171.64  713.05
  4316.3   709.7 4471.62  705.15 4851.29  695.88    5314  689.68 5658.36  687.18
 5806.54  685.69 5967.78  678.29 6037.16  671.15 6404.63  670.13 6758.66   674.1
 6901.48   676.1 7124.59   662.2 7293.33  655.25 7365.52   648.3  7415.2   648.3
 7567.68  653.15 7788.21  663.22 7852.05  663.98 7983.29  668.31 8351.71  667.92
 8400.27  671.88 8557.01  682.69 8854.18  673.02 8868.46   671.5 9043.55  658.18
 9184.16  657.79 9441.96     671 9619.14  670.51 9804.75  656.11 9993.53  651.88
10139.77  642.8910157.23  642.5510248.17  628.6510418.78   607.8 10476.9   607.8
 10519.5  614.1410648.05  642.41 10757.2  658.6511150.44  652.7411310.83  647.27
11367.43  643.3711583.25  640.1311839.16  642.3812143.68   637.812787.71  630.85
14270.91  630.8514515.03   627.815142.57   627.815625.36  634.7515686.29   641.7
15984.46  636.6915991.54  633.5216099.71  631.4516768.11  602.1417337.13   593.9
17437.29  586.4317789.96  584.5817880.95  577.1518024.13  567.44 18528.4  567.44
18669.78  571.2918805.31   593.918890.61  608.7718908.89   610.919138.16  624.64
19561.38  630.6819980.02  631.0122010.85  625.2522121.67  625.25 22342.4  626.27
22678.95  624.77 23627.6  629.1523875.13   636.1 25486.7  643.0525854.45  646.35
26261.41  650.9926886.98  666.4227102.39  666.9528174.18  666.9528785.17   663.9
29048.52   663.929600.55  656.9529829.14  652.9129994.12  650.4930128.77  643.93
30271.69  644.3530554.44  652.1430863.84  654.7731919.87  669.8132558.67  673.37
33489.54  699.9133626.75  700.6734220.13  685.6834253.51  685.8735786.09  718.81
36789.44  721.8436979.33   726.337317.74  741.2137357.61  742.2537652.45  746.88
37971.38  758.2438123.43   762.238868.11     79039537.34  794.6239874.82     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517337.13     .1518805.31     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17337.1318805.31                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.82    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.76    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508200.00   269477.50   1840911.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508200.00   269477.50   1840911.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2682325.00   745117.00   3302558.00
  Top Width (ft)          36638.02    Top Width (ft)          15945.23    1468.18   19224.62
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.78       2.77       1.79
  Max Chl Dpth (ft)         192.32    Hydr. Depth (ft)           94.59     183.55      95.76
  Conv. Total (cfs)       777713500.0    Conv. (cfs)            309967300.0   86105140.0   381641100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15959.87    1471.02   19228.93
  Min Ch El (ft)            567.44    Shear (lb/sq ft)            0.44       0.86       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.79       2.37       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    70194.50   13242.63   84564.66
  C & E Loss (ft)             0.00    Cum SA (acres)            577.18      59.54     667.01


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274856.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  199.72  791.39  649.79  773.75 1368.97  760.84 1549.94  752.39
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 1838.96  745.61 2008.45  743.04 2362.88  743.04 2701.23  741.15 3609.96  724.82
 3682.63  720.85 3774.99  716.96 3786.43  716.76  3990.5  716.23 4172.55  713.04
 4317.24  709.68  4472.6  705.13 4852.35  695.86 5315.16  689.67  5659.6  687.16
 5807.81  685.67 5969.09  678.27 6038.48  671.11 6406.04   670.1 6760.14  674.08
 6902.99  676.08 7126.15  662.16 7294.93   655.2 7367.13  648.24 7416.82  648.24
 7569.33   653.1 7789.91  663.17 7853.77  663.93 7985.04  668.28 8353.54  667.92
 8402.11   671.9 8558.88  682.75 8856.12   673.1  8870.4  671.59 9045.52  658.25
 9186.17  657.87 9444.03  671.09 9621.24  670.61  9806.9  656.19 9995.72  651.95
10141.98  642.9810159.46  642.6410250.41  628.7210421.06  607.8410479.19  607.84
10521.81  614.1910650.38  642.4610759.55  658.7211152.88   652.8 11313.3  647.34
11369.92  643.4511585.78   640.211841.75  642.4312146.34  637.84 12790.5  630.88
14274.03  630.8814518.21  627.8415145.89  627.8415628.78   634.815689.72  641.76
15987.96  636.7415995.03  633.5816103.23  631.5216771.77  602.1717340.93  593.92
17441.22  586.4417794.37   584.617885.48  577.1618028.86  567.4318533.38  567.43
18674.93  571.2818810.63  593.9218895.92  608.7718914.19   610.919143.44  624.61
19566.62  630.65 19985.2  630.97 22015.8   625.222126.61   625.222347.31  626.22
22683.83  624.7423632.37  629.1223879.87  636.0825491.26  643.0425858.96  646.34
26265.89  650.9926891.39  666.4427106.77  666.9628178.44  666.9628789.36  663.92
29052.68  663.9229604.65  656.9629833.21  652.9229998.17  650.48 30132.8  643.92
30275.71  644.3430558.43  652.13 30867.8  654.77 31923.7  669.7832562.44  673.35
33493.19  699.8233630.39  700.5934223.71  685.6634257.08  685.8535789.48  718.72
36792.72  721.7636982.59  726.2337320.96  741.1437360.83  742.1837655.63  746.83
37974.54  758.1938126.57  762.1638871.16     79039540.31  794.6339877.76     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517340.93     .1518810.63     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17340.9318810.63                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.82    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.76    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508191.00   269750.10   1841245.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508191.00   269750.10   1841245.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2681346.00   745708.80   3302945.00
  Top Width (ft)          36642.83    Top Width (ft)          15948.92    1469.70   19224.20
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.78       2.76       1.79
  Max Chl Dpth (ft)         192.33    Hydr. Depth (ft)           94.56     183.54      95.78
  Conv. Total (cfs)       777869100.0    Conv. (cfs)            309916200.0   86190750.0   381762100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15963.58    1472.55   19228.51
  Min Ch El (ft)            567.43    Shear (lb/sq ft)            0.44       0.86       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.78       2.37       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    70021.38   13211.68   84353.33
  C & E Loss (ft)             0.00    Cum SA (acres)            575.35      59.37     664.80


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274853.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  199.76  791.38  649.93  773.74 1369.27  760.84 1550.28  752.38
 1839.36  745.61 2008.89  743.03  2363.4  743.03 2701.82  741.14 3610.75  724.84
 3683.44  720.87 3775.81  716.97 3787.26  716.77 3991.37  716.22 4173.46  713.03
 4318.19  709.67 4473.58  705.12 4853.41  695.84 5316.33  689.65 5660.84  687.14
 5809.08  685.65  5970.4  678.24  6039.8  671.08 6407.44  670.06 6761.62  674.06
  6904.5  676.06 7127.71  662.12 7296.52  655.15 7368.74  648.18 7418.45  648.18
 7570.99  653.05 7791.62  663.11 7855.49  663.89 7986.79  668.26 8355.37  667.93
 8403.95  671.92 8560.76  682.81 8858.06  673.19 8872.34  671.68  9047.5  658.32
 9188.18  657.94 9446.09  671.19 9623.35  670.71 9809.04  656.27  9997.9  652.03
 10144.2  643.0810161.68  642.7310252.65  628.7910423.34  607.8810481.49  607.88
10524.11  614.2410652.71  642.5110761.91  658.7911155.32  652.8611315.78  647.41
11372.41  643.5311588.32  640.2711844.34  642.47   12149  637.88 12793.3  630.91
14277.16  630.9114521.38  627.88 15149.2  627.8815632.19  634.8515693.16  641.82
15991.45  636.7915998.53  633.6416106.75  631.5816775.44  602.1917344.72  593.94
17445.15  586.4517798.79  584.6117890.02  577.17 18033.6  567.4318538.36  567.43
18680.08  571.2818815.95  593.9418901.23  608.77 18919.5  610.8919148.72  624.57
19571.85  630.6119990.38  630.9322020.76  625.1522131.55  625.1522352.23  626.17
22688.71   624.723637.14  629.0923884.62  636.0625495.82  643.0325863.48  646.34
26270.36  650.9926895.79  666.4527111.15  666.9728182.69  666.9728793.55  663.94
29056.83  663.9429608.74  656.9729837.28  652.9230002.23  650.4830136.84  643.91
30279.73  644.3330562.42  652.1230871.75  654.7631927.54  669.75 32566.2  673.32
33496.85  699.7433634.04   700.534227.28  685.6434260.65  685.8335792.88  718.63
   36796  721.6936985.86  726.1737324.19  741.0737364.05  742.1137658.82  746.79
37977.68  758.15 38129.7  762.1238874.21     79039543.29  794.63 39880.7     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517344.72     .1518815.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17344.7218815.95                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.82    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.76    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508186.00   270017.80   1841594.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508186.00   270017.80   1841594.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2680367.00   746267.80   3303365.00
  Top Width (ft)          36647.20    Top Width (ft)          15952.43    1471.23   19223.54
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.78       2.76       1.79
  Max Chl Dpth (ft)         192.33    Hydr. Depth (ft)           94.54     183.53      95.80
  Conv. Total (cfs)       778034200.0    Conv. (cfs)            309868800.0   86273670.0   381891600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15967.10    1474.07   19227.84
  Min Ch El (ft)            567.43    Shear (lb/sq ft)            0.44       0.86       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.78       2.36       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    69848.27   13180.70   84141.96
  C & E Loss (ft)             0.00    Cum SA (acres)            573.52      59.20     662.60


CROSS SECTION
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RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274850.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  199.81  791.38  650.08  773.72 1369.57  760.84 1550.62  752.37
 1839.76   745.6 2009.33  743.02 2363.92  743.02 2702.41  741.13 3611.54  724.85
 3684.24  720.89 3776.64  716.98 3788.09  716.78 3992.25  716.22 4174.38  713.02
 4319.13  709.65 4474.55   705.1 4854.47  695.82 5317.49  689.64 5662.08  687.12
 5810.35  685.63  5971.7  678.21 6041.12  671.04 6408.84  670.03  6763.1  674.03
 6906.01  676.04 7129.27  662.08 7298.12   655.1 7370.35  648.12 7420.07  648.12
 7572.64  652.99 7793.32  663.06 7857.21  663.84 7988.53  668.23 8357.19  667.94
 8405.79  671.93 8562.63  682.86 8859.99  673.28 8874.28  671.77 9049.48  658.39
 9190.19  658.01 9448.16  671.28 9625.45   670.8 9811.19  656.3510000.09   652.1
10146.42  643.17 10163.9  642.8210254.89  628.8610425.62  607.9210483.78  607.92
10526.41  614.2910655.04  642.5510764.26  658.8611157.76  652.9211318.25  647.48
11374.89   643.611590.85  640.3411846.93  642.5212151.65  637.92 12796.1  630.94
14280.28  630.9414524.56  627.9215152.51  627.9215635.61   634.915696.59  641.88
15994.95  636.8516002.03  633.7116110.27  631.6416779.11  602.2217348.51  593.96
17449.08  586.46 17803.2  584.6317894.56  577.1818038.33  567.4318543.34  567.43
18685.23  571.2818821.27  593.9618906.54  608.77 18924.8  610.89   19154  624.53
19577.08  630.5819995.57  630.8922025.71   625.122136.49   625.122357.15  626.12
22693.59  624.6623641.91  629.0623889.36  636.0425500.38  643.0225868.01  646.33
26274.84  650.9826900.19  666.4627115.53  666.9828186.95  666.9828797.74  663.96
29060.99  663.9629612.84  656.9829841.36  652.9330006.28  650.4830140.88  643.89
30283.76  644.3130566.41  652.12 30875.7  654.7531931.37  669.7232569.96   673.3
33500.51  699.6533637.68  700.4234230.86  685.6234264.22  685.8135796.28  718.54
36799.29  721.6236989.12  726.1137327.41     74137367.27  742.04   37662  746.74
37980.83   758.138132.83  762.0838877.26     79039546.26  794.6439883.63     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517348.51     .1518821.27     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17348.5118821.27                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.82    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.76    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508192.00   270284.00   1841944.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508192.00   270284.00   1841944.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2679422.00   746817.80   3303761.00
  Top Width (ft)          36651.79    Top Width (ft)          15955.93    1472.76   19223.10
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.78       2.76       1.79
  Max Chl Dpth (ft)         192.33    Hydr. Depth (ft)           94.52     183.52      95.82
  Conv. Total (cfs)       778199600.0    Conv. (cfs)             309825300.0   86355620.0   382018600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15970.62    1475.61   19227.39
  Min Ch El (ft)            567.43    Shear (lb/sq ft)            0.44       0.86       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.78       2.36       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    69675.15   13149.69   83930.55
  C & E Loss (ft)             0.00    Cum SA (acres)            571.69      59.03     660.39


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274847.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  199.85  791.38  650.22  773.71 1369.87  760.84 1550.96  752.37
 1840.16  745.59 2009.77  743.01 2364.43  743.01    2703  741.11 3612.33  724.87
 3685.05   720.9 3777.46  716.99 3788.92  716.79 3993.12  716.21 4175.29  713.01
 4320.08  709.64 4475.53  705.08 4855.53   695.8 5318.65  689.62 5663.31   687.1
 5811.62  685.61 5973.01  678.18 6042.44     671 6410.24     670 6764.58  674.01
 6907.52  676.02 7130.83  662.04 7299.72  655.05 7371.96  648.06 7421.69  648.06
  7574.3  652.94 7795.02  663.01 7858.92  663.79 7990.28   668.2 8359.02  667.95
 8407.62  671.95  8564.5  682.92 8861.93  673.37 8876.22  671.86 9051.46  658.46
  9192.2  658.09 9450.22  671.38 9627.56   670.9 9813.33  656.4310002.28  652.18
10148.64  643.2610166.12  642.9110257.13  628.93 10427.9  607.9610486.07  607.96
10528.71  614.3310657.37   642.610766.61  658.93 11160.2  652.9811320.72  647.55
11377.38  643.6811593.39  640.4211849.52  642.5712154.31  637.96 12798.9  630.97
 14283.4  630.9714527.73  627.9615155.82  627.9615639.03  634.9515700.02  641.94
15998.45   636.916005.53  633.7716113.79   631.716782.78  602.2417352.31  593.98
17453.01  586.4717807.61  584.65 17899.1  577.1918043.07  567.4318548.32  567.43
18690.38  571.2718826.58  593.9818911.84  608.7718930.11  610.8919159.28   624.5
19582.31  630.5420000.75  630.8522030.66  625.0522141.44  625.0522362.06  626.07
22698.47  624.6323646.68  629.0323894.11  636.0225504.95  643.0125872.53  646.33
26279.31  650.98 26904.6  666.4727119.91  666.9928191.21  666.9928801.93  663.98
29065.15  663.9829616.94  656.9929845.43  652.9330010.33  650.4830144.91  643.88
30287.78   644.3 30570.4  652.1130879.66  654.7431935.21  669.6932573.72  673.27
33504.16  699.5633641.32  700.3334234.43   685.634267.79  685.7835799.68  718.46
36802.57  721.5536992.38  726.0537330.64  740.9337370.49  741.9837665.19  746.69
37983.98  758.0638135.96  762.0438880.31     79039549.23  794.6539886.57     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517352.31     .1518826.58     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17352.3118826.58                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.82    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.76    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508192.00   270547.80   1842286.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508192.00   270547.80   1842286.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2678469.00   747365.80   3304165.00
  Top Width (ft)          36656.14    Top Width (ft)          15959.42    1474.27   19222.45
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.78       2.76       1.79
  Max Chl Dpth (ft)         192.33    Hydr. Depth (ft)           94.50     183.51      95.84
  Conv. Total (cfs)       778362600.0    Conv. (cfs)             309780100.0   86437070.0   382145400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15974.13    1477.12   19226.73
  Min Ch El (ft)            567.43    Shear (lb/sq ft)            0.44       0.85       0.45
```

```
  Alpha                        1.07    Stream Power (lb/ft s)      0.78       2.36       0.80
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    69502.03   13118.65   83719.11
  C & E Loss (ft)              0.00    Cum SA (acres)            569.86      58.86     658.18


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274844.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  199.89  791.37  650.36   773.7 1370.17  760.83 1551.29  752.36
 1840.57  745.59 2010.21     743 2364.95     743 2703.59   741.1 3613.12  724.89
 3685.85  720.92 3778.29     717 3789.75   716.8 3993.99  716.21  4176.2     713
 4321.02  709.62 4476.51  705.07 4856.59  695.78 5319.81  689.61 5664.55  687.09
  5812.9   685.6 5974.31  678.16 6043.76  670.97 6411.64  669.97 6766.06  673.99
 6909.03     676 7132.39     662 7301.31     655 7373.57     648 7423.31     648
 7575.95  652.89 7796.73  662.95 7860.64  663.75 7992.03  668.18 8360.85  667.95
 8409.46  671.97 8566.37  682.98 8863.87  673.46 8878.16  671.94 9053.44  658.53
 9194.21  658.16 9452.29  671.47 9629.66     671 9815.48   656.510004.46  652.25
10150.86  643.3510168.34     64310259.38     62910430.18     60810488.36     608
10531.01  614.38 10659.7  642.6510768.97     65911162.64  653.04 11323.2  647.61
11379.87  643.7611595.92  640.4911852.11  642.6112156.96     638 12801.7     631
14286.52     63114530.91     62815159.14     62815642.45     63515703.45     642
16001.94  636.9516009.03  633.8316117.32  631.7616786.45  602.27 17356.1     594
17456.94  586.4817812.03  584.6717903.64   577.2 18047.8  567.43 18553.3  567.43
18695.53  571.27 18831.9     59418917.15  608.7618935.41  610.8919164.56  624.46
19587.54  630.5120005.94   630.822035.62     62522146.38     62522366.98  626.03
22703.35  624.5923651.45     62923898.85     63625509.51     64325877.04  646.32
26283.78  650.98   26909  666.4827124.29     66728195.47     66728806.11     664
29069.31     66429621.04     657 29849.5  652.9330014.38  650.4830148.95  643.87
 30291.8  644.2830574.39   652.130883.61  654.7431939.04  669.6632577.48  673.25
33507.82  699.4833644.96  700.25   34238  685.5834271.36  685.7635803.07  718.37
36805.86  721.4836995.64  725.9837333.86  740.8637373.71  741.9137668.38  746.64
37987.13  758.01 38139.1     76238883.36     79039552.21  794.65 39889.5     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 17356.1     .15 18831.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       17356.1 18831.9                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.82    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.76    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508178.00   270813.90   1842635.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508178.00   270813.90   1842635.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2677477.00   747924.10   3304599.00
  Top Width (ft)          36660.91    Top Width (ft)          15963.11    1475.80   19222.00
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.78       2.76       1.79
  Max Chl Dpth (ft)         192.33    Hydr. Depth (ft)           94.48     183.50      95.86
  Conv. Total (cfs)       778518300.0    Conv. (cfs)            309727300.0   86518950.0   382272000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15977.84    1478.65   19226.28
  Min Ch El (ft)            567.43    Shear (lb/sq ft)            0.44       0.85       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.78       2.36       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    69328.91   13087.58   83507.63
  C & E Loss (ft)             0.00    Cum SA (acres)            568.03      58.69     655.98


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274841.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  199.94  791.37   650.5  773.69 1370.47  760.83 1551.63  752.35
 1840.97  745.58 2010.65  742.99 2365.47  742.99 2704.18  741.09 3613.91  724.91
 3686.66  720.93 3779.11  717.01 3790.58  716.81 3994.87   716.2 4177.11  712.99
 4321.97  709.61 4477.49  705.05 4857.65  695.76 5320.98  689.59 5665.79  687.07
 5814.17  685.58 5975.62  678.13 6045.08  670.93 6413.04  669.93 6767.54  673.97
 6910.54  675.98 7133.95  661.96 7302.91  654.95 7375.19  647.94 7424.94  647.94
 7577.61  652.83 7798.43   662.9 7862.36   663.7 7993.77  668.15 8362.67  667.96
  8411.3  671.98 8568.24  683.04  8865.8  673.55  8880.1  672.03 9055.42   658.6
 9196.22  658.23 9454.36  671.57 9631.76  671.09 9817.62  656.5810006.65  652.33
10153.08  643.4410170.57  643.0910261.62  629.0710432.46  608.0410490.65  608.04
10533.31  614.4310662.03  642.6910771.32  659.0711165.08  653.1111325.67  647.68
11382.36  643.8311598.45  640.56 11854.7  642.6612159.62  638.0412804.49  631.03
14289.64  631.0314534.08  628.0415162.45  628.0415645.87  635.0515706.88  642.06
16005.44     63716012.53  633.8916120.84  631.8216790.12  602.2917359.89  594.02
17460.87   586.517816.44  584.6817908.17  577.2118052.53  567.4318558.28  567.43
18700.68  571.2618837.22  594.0218922.46  608.7618940.72  610.8819169.84  624.42
19592.78  630.4720011.12  630.7622040.57  624.9522151.32  624.95 22371.9  625.98
22708.23  624.5523656.23  628.9723903.59  635.9825514.07  642.9925881.56  646.32
26288.26  650.98 26913.4  666.4927128.66  667.0128199.72  667.01 28810.3  664.02
29073.47  664.0229625.13  657.0129853.57  652.9430018.44  650.4830152.99  643.86
30295.82  644.2730578.38   652.130887.56  654.7331942.88  669.6432581.25  673.23
33511.48  699.39 33648.6  700.1634241.58  685.5634274.93  685.7435806.47  718.28
36809.14  721.4136998.91  725.9237337.09  740.7937376.93  741.8437671.56   746.6
37990.29  757.9638142.23  761.9638886.41     79039555.18  794.6639892.43     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517359.89     .1518837.22     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17359.8918837.22                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.82    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.76    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508184.00   271081.20   1842970.00
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  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508184.00   271081.20   1842970.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2676548.00   748482.70   3304970.00
  Top Width (ft)          36665.49    Top Width (ft)          15966.62    1477.33   19221.54
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.77       2.76       1.79
  Max Chl Dpth (ft)         192.33    Hydr. Depth (ft)           94.46     183.49      95.88
  Conv. Total (cfs)       778679700.0    Conv. (cfs)             309684000.0   86601530.0   382394200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15981.36    1480.18   19225.81
  Min Ch El (ft)            567.43    Shear (lb/sq ft)            0.44       0.85       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.78       2.36       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    69155.80   13056.48   83296.10
  C & E Loss (ft)             0.00    Cum SA (acres)            566.19      58.52     653.77


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274838.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  199.98  791.36  650.65  773.68 1370.77  760.83 1551.97  752.34
 1841.37  745.58 2011.09  742.98 2365.98  742.98 2704.77  741.08  3614.7  724.92
 3687.47  720.95 3779.94  717.02  3791.4  716.82 3995.74  716.19 4178.03  712.98
 4322.91  709.59 4478.47  705.03 4858.71  695.74 5322.14  689.58 5667.03  687.05
 5815.44  685.56 5976.92   678.1  6046.4  670.89 6414.44   669.9 6769.01  673.94
 6912.05  675.96  7135.5  661.92  7304.5   654.9  7376.8  647.88 7426.56  647.88
 7579.26  652.78 7800.13  662.85 7864.08  663.66 7995.52  668.12  8364.5  667.97
 8413.14     672 8570.12  683.09 8867.74  673.63 8882.04  672.12  9057.4  658.68
 9198.23   658.3 9456.42  671.66 9633.87  671.19 9819.77  656.6610008.83   652.4
10155.29  643.5310172.79  643.1810263.86  629.1410434.74  608.0810492.95  608.08
10535.62  614.4810664.36  642.7410773.67  659.1411167.52  653.1711328.15  647.75
11384.84  643.9111600.99  640.6311857.29  642.7112162.28  638.0812807.29  631.06
14292.77  631.0614537.26  628.0815165.76  628.0815649.29   635.115710.31  642.12
16008.94  637.0616016.03  633.9616124.36  631.8816793.79  602.3217363.69  594.04
 17464.8  586.5117820.85   584.717912.71  577.2218057.27  567.4318563.26  567.43
18705.84  571.2618842.53  594.0418927.77  608.7618946.02  610.8819175.12  624.39
19598.01  630.44 20016.3  630.7222045.53   624.922156.26   624.922376.82  625.93
22713.11  624.52   23661  628.9423908.34  635.9625518.63  642.9825886.09  646.31
26292.73  650.9726917.81  666.5127133.04  667.0228203.98  667.0228814.49  664.04
29077.63  664.0429629.23  657.0229857.64  652.9430022.49  650.4830157.02  643.84
30299.84  644.2530582.37  652.0930891.52  654.7231946.71  669.6132585.01   673.2
33515.13   699.333652.24  700.0834245.15  685.54 34278.5  685.7235809.87  718.19
36812.42  721.3337002.17  725.8637340.31  740.7237380.15  741.7737674.75  746.55
37993.43  757.9238145.36  761.9238889.45     79039558.15  794.6739895.37     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517363.69     .1518842.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17363.6918842.53                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.82    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.76    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508183.00   271343.60   1843324.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508183.00   271343.60   1843324.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2675578.00   749021.00   3305401.00
  Top Width (ft)          36669.84    Top Width (ft)          15970.13    1478.84   19220.87
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.77       2.76       1.79
  Max Chl Dpth (ft)         192.33    Hydr. Depth (ft)           94.44     183.48      95.90
  Conv. Total (cfs)       778845800.0    Conv. (cfs)             309637800.0   86682300.0   382525600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15984.89    1481.70   19225.14
  Min Ch El (ft)            567.43    Shear (lb/sq ft)            0.44       0.85       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.78       2.36       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    68982.68   13025.35   83084.54
  C & E Loss (ft)             0.00    Cum SA (acres)            564.36      58.35     651.56


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274835.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  200.03  791.36  650.79  773.66 1371.07  760.83 1552.31  752.33
 1841.77  745.57 2011.52  742.97  2366.5  742.97 2705.36  741.06 3615.49  724.94
 3688.27  720.96 3780.77  717.03 3792.23  716.83 3996.61  716.19 4178.94  712.97
 4323.85  709.58 4479.45  705.02 4859.78  695.72  5323.3  689.56 5668.27  687.03
 5816.71  685.54 5978.23  678.07 6047.72  670.86 6415.84  669.87 6770.49  673.92
 6913.56  675.94 7137.06  661.88  7306.1  654.85 7378.41  647.82 7428.18  647.82
 7580.92  652.73 7801.84   662.8 7865.79  663.61 7997.27  668.09 8366.33  667.97
 8414.98  672.02 8571.99  683.15 8869.68  673.72 8883.98  672.21 9059.37  658.75
 9200.24  658.38 9458.49  671.76 9635.97  671.29 9821.91  656.7410011.02  652.47
10157.51  643.6210175.01  643.27 10266.1  629.2110437.02  608.1210495.24  608.12
10537.92  614.5310666.69  642.7910776.03  659.2111169.96  653.2311330.62  647.82
11387.33  643.9911603.52   640.711859.88  642.7512164.94  638.1212810.09  631.09
14295.89  631.0914540.43  628.1215169.08  628.1215652.71  635.1515713.75  642.18
16012.43  637.1116019.52  634.0216127.88  631.9416797.45  602.3517367.48  594.06
17468.73  586.5217825.27  584.7217917.25  577.23   18062  567.4318568.24  567.43
18710.99  571.2518847.85  594.0618933.07  608.7618951.33  610.88 19180.4  624.35
19603.24   630.420021.49  630.6822050.48  624.8522161.21  624.8522381.73  625.88
22717.98  624.4823665.77  628.9123913.08  635.9425523.19  642.9725890.61  646.31
26297.21  650.9726922.21  666.5227137.42  667.0328208.24  667.0328818.68  664.06
29081.79  664.0629633.32  657.0329861.71  652.9530026.54  650.4730161.06  643.83
30303.86  644.2430586.35  652.0830895.47  654.7131950.54  669.5832588.77  673.18
33518.79  699.2233655.88  699.9934248.73  685.5234282.07   685.735813.27   718.1
36815.71  721.2637005.43  725.7937343.54  740.6537383.37   741.737677.93   746.5
37996.59  757.87 38148.5  761.88 38892.5     79039561.12  794.67 39898.3     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517367.48     .1518847.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      17367.4818847.85                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.82    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.76    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508179.00   271610.70   1843672.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508179.00   271610.70   1843672.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2674619.00   749577.40   3305804.00
  Top Width (ft)          36674.42    Top Width (ft)          15973.64    1480.37   19220.41
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.77       2.76       1.79
  Max Chl Dpth (ft)         192.33    Hydr. Depth (ft)           94.42     183.48      95.92
  Conv. Total (cfs)       779007900.0    Conv. (cfs)            309591200.0   86764750.0   382652000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15988.41    1483.23   19224.67
  Min Ch El (ft)            567.43    Shear (lb/sq ft)            0.44       0.85       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.78       2.35       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    68809.56   12994.19   82872.94
  C & E Loss (ft)             0.00    Cum SA (acres)            562.53      58.18     649.36


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274832.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  200.07  791.35  650.93  773.65 1371.37  760.82 1552.65  752.33
 1842.17  745.56 2011.96  742.96 2367.02  742.96 2705.95  741.05 3616.28  724.96
 3689.08  720.98 3781.59  717.04 3793.06  716.84 3997.48  716.18 4179.85  712.96
  4324.8  709.57 4480.42     705 4860.84  695.71 5324.46  689.55  5669.5  687.01
 5817.98  685.52 5979.53  678.05 6049.04  670.82 6417.25  669.83 6771.97   673.9
 6915.07  675.92 7138.62  661.84 7307.69   654.8 7380.02  647.76  7429.8  647.76
 7582.58  652.67 7803.54  662.74 7867.51  663.57 7999.01  668.07 8368.16  667.98
 8416.81  672.04 8573.86  683.21 8871.62  673.81 8885.92   672.3 9061.35  658.82
 9202.25  658.45 9460.55  671.85 9638.08  671.39 9824.06  656.8210013.21  652.55
10159.73  643.7110177.23  643.3610268.34  629.2810439.29  608.1610497.53  608.16
10540.22  614.5810669.02  642.8310778.38  659.2811172.39  653.29 11333.1  647.89
11389.82  644.0611606.06  640.7811862.47   642.812167.59  638.1612812.89  631.12
14299.01  631.1214543.61  628.1615172.39  628.1615656.12   635.215717.18  642.24
16015.93  637.1616023.02  634.0816131.41     63216801.12  602.3717371.27  594.08
17472.66  586.5317829.68  584.7417921.79  577.2418066.74  567.4318573.22  567.43
18716.14  571.2518853.17  594.0818938.38  608.7618956.63  610.8719185.68  624.31
19608.47  630.3720026.67  630.6422055.44   624.822166.15   624.822386.65  625.83
22722.86  624.4523670.54  628.8823917.82  635.9225527.75  642.9625895.12   646.3
26301.68  650.9726926.61  666.53 27141.8  667.04 28212.5  667.0428822.87  664.08
29085.95  664.0829637.42  657.0429865.78  652.9530030.59  650.47 30165.1  643.82
30307.88  644.2330590.34  652.0730899.43  654.7131954.38  669.5532592.53  673.16
33522.45  699.1333659.52   699.9 34252.3  685.4934285.64  685.6835816.66  718.02
36818.99  721.1937008.69  725.7337346.76  740.5837386.59  741.6337681.12  746.45
37999.73  757.8338151.63  761.8438895.55     790 39564.1  794.6839901.24     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517371.27     .1518853.17     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17371.2718853.17                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.82    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.76    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508171.00   271876.70   1843997.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508171.00   271876.70   1843997.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2673657.00   750137.10   3306206.00
  Top Width (ft)          36678.92    Top Width (ft)          15977.30    1481.90   19219.72
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.77       2.76       1.79
  Max Chl Dpth (ft)         192.33    Hydr. Depth (ft)           94.39     183.46      95.94
  Conv. Total (cfs)       779161000.0    Conv. (cfs)            309540700.0   86846580.0   382773700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15992.09    1484.76   19223.97
  Min Ch El (ft)            567.43    Shear (lb/sq ft)            0.44       0.85       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.78       2.35       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    68636.45   12963.00   82661.30
  C & E Loss (ft)             0.00    Cum SA (acres)            560.69      58.01     647.15


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274829.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  200.11  791.35  651.07  773.64 1371.67  760.82 1552.99  752.32
 1842.58  745.56  2012.4  742.95 2367.53  742.95 2706.54  741.04 3617.06  724.97
 3689.88     721 3782.42  717.05 3793.89  716.85 3998.36  716.18 4180.76  712.95
 4325.74  709.55  4481.4  704.98  4861.9  695.69 5325.63  689.54 5670.74  686.99
 5819.25   685.5 5980.84  678.02 6050.36  670.78 6418.65   669.8 6773.45  673.87
 6916.58   675.9 7140.18   661.8 7309.29  654.75 7381.63   647.7 7431.42   647.7
 7584.23  652.62 7805.25  662.69 7869.23  663.52 8000.76  668.04 8369.98  667.99
 8418.65  672.05 8575.73  683.26 8873.55   673.9 8887.86  672.39 9063.33  658.89
 9204.26  658.52 9462.62  671.95 9640.18  671.48  9826.2  656.8910015.39  652.62
10161.95   643.810179.45  643.4510270.59  629.3510441.57   608.210499.82   608.2
10542.52  614.6310671.35  642.8810780.73  659.3511174.83  653.3511335.57  647.95
 11392.3  644.1411608.59  640.8511865.06  642.8512170.25   638.212815.68  631.15
14302.13  631.1514546.79   628.2 15175.7   628.215659.54  635.2515720.61   642.3
16019.43  637.2216026.52  634.1416134.93  632.0616804.79   602.417375.06   594.1
17476.59  586.5417834.09  584.7617926.33  577.2418071.47  567.42 18578.2  567.42
18721.29  571.2518858.48   594.118943.69  608.7618961.94  610.8719190.96  624.28
 19613.7  630.3320031.86   630.622060.39  624.7522171.09  624.7522391.57  625.78
22727.74  624.4123675.31  628.8523922.57   635.925532.32  642.9525899.64   646.3
26306.15  650.9626931.02  666.5427146.18  667.0528216.76  667.0528827.06   664.1
29090.11   664.129641.52  657.0529869.85  652.9630034.64  650.4730169.13   643.8
 30311.9  644.2130594.33  652.0730903.38   654.731958.21  669.5232596.29  673.13
33526.11  699.0433663.17  699.8234255.88  685.4734289.21  685.6635820.06  717.93
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36822.27  721.1237011.96  725.6737349.98  740.51 37389.8  741.56 37684.3   746.4
38002.89  757.7838154.77   761.8 38898.6     79039567.07  794.6939904.18     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517375.06     .1518858.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17375.0618858.48                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.82    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.76    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508171.00   272148.30   1844353.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508171.00   272148.30   1844353.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2672683.00   750710.20   3306607.00
  Top Width (ft)          36683.48    Top Width (ft)          15980.80    1483.42   19219.26
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.77       2.76       1.79
  Max Chl Dpth (ft)         192.34    Hydr. Depth (ft)           94.37     183.46      95.96
  Conv. Total (cfs)       779330300.0    Conv. (cfs)             309495200.0   86931820.0   382903300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15995.62    1486.28   19223.50
  Min Ch El (ft)            567.42    Shear (lb/sq ft)            0.44       0.85       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.78       2.35       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    68463.33   12931.78   82449.62
  C & E Loss (ft)             0.00    Cum SA (acres)            558.86      57.84     644.95


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274826.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  200.16  791.34  651.21  773.63 1371.97  760.82 1553.33  752.31
 1842.98  745.55 2012.84  742.94 2368.05  742.94 2707.13  741.02 3617.85  724.99
 3690.69  721.01 3783.24  717.06 3794.72  716.86 3999.23  716.17 4181.68  712.94
 4326.69  709.54 4482.38  704.96 4862.96  695.67 5326.79  689.52 5671.98  686.98
 5820.52  685.48 5982.15  677.99 6051.68  670.75 6420.05  669.77 6774.93  673.85
 6918.09  675.88 7141.74  661.76 7310.89   654.7 7383.24  647.64 7433.05  647.64
 7585.89  652.57 7806.95  662.64 7870.95  663.47 8002.51  668.01 8371.81  667.99
 8420.49  672.07  8577.6  683.32 8875.49  673.99  8889.8  672.48 9065.31  658.96
 9206.27   658.6 9464.68  672.04 9642.29  671.58 9828.35  656.9710017.58   652.7
10164.17  643.8910181.68  643.5410272.83  629.4210443.85  608.2410502.12  608.24
10544.82  614.6810673.09  642.9210783.09  659.4211177.27  653.4111338.05  648.02
11394.79  644.2211611.12  640.9211867.65  642.8912172.91  638.2412818.48  631.18
14305.26  631.1814549.96  628.2415179.01  628.2415662.96   635.315724.04  642.36
16022.93  637.2716030.02  634.2116138.45  632.1216808.46  602.4217378.86  594.12
17480.53  586.5517838.51  584.7717930.86  577.25 18076.2  567.4218583.17  567.42
18726.44  571.24 18863.8  594.1218948.99  608.7518967.24  610.8719196.24  624.24
19618.93   630.320037.04  630.5522065.35   624.722176.03   624.722396.48  625.73
22732.62  624.3723680.08  628.8223927.31  635.8825536.88  642.9425904.17  646.29
26310.63  650.9626935.42  666.5527150.56  667.0628221.01  667.0628831.25  664.12
29094.27  664.1229645.61  657.0629873.92  652.96 30038.7  650.4730173.17  643.79
30315.92   644.230598.32  652.0630907.33  654.6931962.05  669.4932600.06  673.11
33529.76  698.9633666.81  699.7334259.45  685.4534292.79  685.6435823.46  717.84
36825.56  721.0537015.22   725.637353.21  740.4437393.02  741.4937687.49  746.36
38006.04  757.74 38157.9  761.7638901.65     79039570.05  794.6939907.11     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517378.86     .15 18863.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17378.86 18863.8                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.82    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.76    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508177.00   272416.30   1844708.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508177.00   272416.30   1844708.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2671719.00   751263.60   3307018.00
  Top Width (ft)          36687.83    Top Width (ft)          15984.32    1484.94   19218.57
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.77       2.76       1.79
  Max Chl Dpth (ft)         192.34    Hydr. Depth (ft)           94.35     183.45      95.99
  Conv. Total (cfs)       779502100.0    Conv. (cfs)             309451800.0   87015080.0   383035200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        15999.15    1487.81   19222.81
  Min Ch El (ft)            567.42    Shear (lb/sq ft)            0.44       0.85       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.78       2.35       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    68290.21   12900.52   82237.89
  C & E Loss (ft)             0.00    Cum SA (acres)            557.03      57.67     642.74


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274824.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   200.2  791.34  651.36  773.61 1372.27  760.81 1553.67   752.3
 1843.38  745.54 2013.28  742.93 2368.57  742.93 2707.73  741.01 3618.64  725.01
 3691.49  721.03 3784.07  717.07 3795.55  716.87  4000.1  716.17 4182.59  712.93
 4327.63  709.52 4483.36  704.95 4864.02  695.65 5327.95  689.51 5673.22  686.96
 5821.79  685.47 5983.45  677.97    6053  670.71 6421.45  669.73 6776.41  673.83
  6919.6  675.86  7143.3  661.72 7312.48  654.65 7384.85  647.58 7434.67  647.58
 7587.54  652.52 7808.65  662.58 7872.67  663.43 8004.25  667.98 8373.64     668
 8422.33  672.09 8579.48  683.38 8877.43  674.08 8891.74  672.56 9067.29  659.03
 9208.27  658.67 9466.75  672.14 9644.39  671.67 9830.49  657.0510019.77  652.77
10166.39  643.98 10183.9  643.6310275.07  629.4910446.13  608.2810504.41  608.28
10547.12  614.7310676.01  642.9710785.44  659.4911179.71  653.4711340.52  648.09
11397.28  644.2911613.66  640.9911870.24  642.9412175.56  638.2812821.28  631.21
14308.38  631.2114553.14  628.2815182.33  628.2815666.38  635.3515727.47  642.42
16026.42  637.3216033.52  634.2716141.97  632.1816812.13  602.4517382.65  594.14
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17484.46  586.5717842.92  584.79 17935.4  577.2618080.94  567.4218588.15  567.42
18731.59  571.2418869.12  594.14 18954.3  608.7518972.55  610.8719201.52   624.2
19624.16  630.2620042.23  630.51 22070.3  624.6522180.97  624.65 22401.4  625.69
 22737.5  624.3423684.86  628.7923932.06  635.8625541.44  642.9325908.69  646.29
 26315.1  650.9626939.82  666.5627154.94  667.0728225.27  667.0728835.44  664.14
29098.42  664.1429649.71  657.0729877.99  652.9630042.75  650.4730177.21  643.78
30319.94  644.1830602.31  652.0530911.29  654.6831965.88  669.4632603.82  673.08
33533.42  698.8733670.45  699.6534263.02  685.4334296.36  685.6235826.86  717.75
36828.84  720.9837018.48  725.5437356.43  740.3737396.25  741.4337690.68  746.31
38009.18  757.6938161.03  761.72 38904.7     79039573.02   794.739910.05     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517382.65     .1518869.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17382.6518869.12                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.82    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.76    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508168.00   272679.30   1845054.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            1508168.00   272679.30   1845054.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2670746.00   751807.20   3307448.00
  Top Width (ft)          36692.55    Top Width (ft)          15988.01    1486.47   19218.08
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.77       2.76       1.79
  Max Chl Dpth (ft)         192.34    Hydr. Depth (ft)           94.33     183.44      96.01
  Conv. Total (cfs)       779657900.0    Conv. (cfs)             309400900.0   87095460.0   383161600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16002.86    1489.34   19222.30
  Min Ch El (ft)            567.42    Shear (lb/sq ft)            0.44       0.85       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.78       2.35       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    68117.09   12869.24   82026.13
  C & E Loss (ft)             0.00    Cum SA (acres)            555.19      57.50     640.53


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274821.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  200.24  791.33   651.5   773.6 1372.56  760.81 1554.01  752.29
 1843.78  745.54 2013.72  742.92 2369.08  742.92 2708.32     741 3619.43  725.02
  3692.3  721.04 3784.89  717.08 3796.37  716.88 4000.98  716.16  4183.5  712.92
 4328.58  709.51 4484.34  704.93 4865.08  695.63 5329.11  689.49 5674.45  686.94
 5823.06  685.45 5984.76  677.94 6054.33  670.67 6422.85   669.7 6777.89   673.8
 6921.11  675.84 7144.86  661.68 7314.08   654.6 7386.47  647.52 7436.29  647.52
  7589.2  652.46 7810.36  662.53 7874.38  663.38    8006  667.96 8375.46  668.01
 8424.16   672.1 8581.35  683.43 8879.36  674.17 8893.68  672.65 9069.27  659.11
 9210.28  658.74 9468.82  672.23  9646.5  671.77 9832.64  657.1310021.95  652.85
 10168.6  644.0710186.12  643.7210277.31  629.5610448.41  608.32 10506.7  608.32
10549.42  614.7810678.33  643.0210787.79  659.5611182.15  653.54   11343  648.16
11399.76  644.3711616.19  641.0711872.83  642.9912178.22  638.3212824.08  631.24
 14311.5  631.2414556.31  628.3215185.64  628.32 15669.8   635.415730.91  642.48
16029.92  637.3716037.02  634.33 16145.5  632.2516815.79  602.4717386.44  594.16
17488.38  586.5817847.33  584.8117939.94  577.2718085.67  567.4218593.13  567.42
18736.75  571.2318874.44  594.1618959.61  608.7518977.86  610.8619206.79  624.17
19629.39  630.2320047.41  630.4722075.26   624.622185.91   624.622406.32  625.64
22742.38   624.323689.63  628.76 23936.8  635.84   25546  642.9225913.21  646.28
26319.58  650.9526944.23  666.5827159.32  667.0828229.53  667.0828839.62  664.16
29102.58  664.1629653.81  657.0829882.06  652.97 30046.8  650.4730181.24  643.77
30323.96  644.17 30606.3  652.0530915.24  654.6831969.71  669.4332607.58  673.06
33537.07  698.7833674.09  699.56 34266.6  685.4134299.93   685.635830.25  717.66
36832.12   720.937021.74  725.4837359.66   740.337399.46  741.3637693.86  746.26
38012.34  757.6538164.16  761.6838907.75     79039575.99  794.7139912.98     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517386.44     .1518874.44     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17386.4418874.44                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.82    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.76    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508164.00   272946.80   1845394.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508164.00   272946.80   1845394.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2669785.00   752362.90   3307852.00
  Top Width (ft)          36696.91    Top Width (ft)          15991.52    1488.00   19217.39
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.77       2.76       1.79
  Max Chl Dpth (ft)         192.34    Hydr. Depth (ft)           94.31     183.43      96.03
  Conv. Total (cfs)       779820800.0    Conv. (cfs)             309354200.0   87178050.0   383288500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16006.38    1490.87   19221.61
  Min Ch El (ft)            567.42    Shear (lb/sq ft)            0.44       0.85       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.78       2.35       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    67943.98   12837.92   81814.32
  C & E Loss (ft)             0.00    Cum SA (acres)            553.36      57.33     638.33


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274818.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  200.29  791.33  651.64  773.59 1372.86  760.81 1554.35  752.29
 1844.19  745.53 2014.16  742.91  2369.6  742.91 2708.91  740.99 3620.22  725.04
  3693.1  721.06 3785.72  717.09  3797.2  716.89 4001.85  716.16 4184.41  712.91
 4329.52  709.49 4485.32  704.91 4866.14  695.61 5330.28  689.48 5675.69  686.92
 5824.33  685.43 5986.06  677.91 6055.65  670.64 6424.25  669.67 6779.37  673.78
 6922.62  675.82 7146.42  661.64 7315.67  654.55 7388.08  647.46 7437.91  647.46
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 7590.85  652.41 7812.06  662.48  7876.1  663.34 8007.75  667.93 8377.29  668.01
    8426  672.12 8583.22  683.49  8881.3  674.25 8895.62  672.74 9071.25  659.18
 9212.29  658.81 9470.88  672.33  9648.6  671.87 9834.78  657.2110024.14  652.92
10170.82  644.1610188.34  643.8110279.55  629.6310450.69  608.3610508.99  608.36
10551.73  614.8310680.67  643.0610790.15  659.6311184.59   653.611345.47  648.23
11402.25  644.4511618.73  641.1411875.42  643.0312180.88  638.3612826.88  631.27
14314.62  631.2714559.49  628.3615188.95  628.3615673.22  635.4515734.34  642.54
16033.42  637.4316040.52   634.416149.02  632.3116819.46   602.517390.24  594.18
17492.31  586.5917851.74  584.8317944.48  577.2818090.41  567.4218598.11  567.42
 18741.9  571.2318879.75  594.1818964.92  608.7518983.16  610.8619212.07  624.13
19634.63  630.1920052.59  630.4322080.21  624.5522190.86  624.5522411.24  625.59
22747.26  624.26 23694.4  628.7323941.54  635.8225550.56  642.9125917.73  646.28
26324.05  650.9526948.63  666.59 27163.7  667.0928233.79  667.0928843.81  664.18
29106.74  664.18 29657.9  657.0929886.13  652.9730050.85  650.4630185.28  643.75
30327.98  644.1530610.29  652.04 30919.2  654.6731973.55   669.432611.34  673.04
33540.73   698.733677.73  699.4834270.17  685.39 34303.5  685.5835833.65  717.58
36835.41  720.83   37025  725.4237362.88  740.2337402.68  741.2937697.05  746.21
38015.48   757.6 38167.3  761.64 38910.8     79039578.96  794.7139915.91     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517390.24     .1518879.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17390.2418879.75                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.82    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.76    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508154.00   273209.00   1845728.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508154.00   273209.00   1845728.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2668836.00   752909.60   3308255.00
  Top Width (ft)          36701.41    Top Width (ft)          15995.01    1489.51   19216.89
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.77       2.76       1.79
  Max Chl Dpth (ft)         192.34    Hydr. Depth (ft)           94.29     183.42      96.05
  Conv. Total (cfs)       779975300.0    Conv. (cfs)            309305500.0   87258670.0   383411100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16009.89    1492.38   19221.10
  Min Ch El (ft)            567.42    Shear (lb/sq ft)            0.44       0.85       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.77       2.34       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    67770.87   12806.58   81602.48
  C & E Loss (ft)             0.00    Cum SA (acres)            551.52      57.16     636.12


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274815.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  200.33  791.33  651.78  773.58 1373.16  760.81 1554.68  752.28
 1844.59  745.52  2014.6   742.9 2370.12   742.9  2709.5  740.97 3621.01  725.06
 3693.91  721.07 3786.55   717.1 3798.03   716.9 4002.72  716.15 4185.33   712.9
 4330.46  709.48 4486.29   704.9 4867.21  695.59 5331.44  689.46 5676.93   686.9
  5825.6  685.41 5987.37  677.88 6056.97   670.6 6425.65  669.63 6780.84  673.76
 6924.13   675.8 7147.97   661.6 7317.27   654.5 7389.69   647.4 7439.54   647.4
 7592.51  652.36 7813.77  662.42 7877.82  663.29 8009.49   667.9 8379.12  668.02
 8427.84  672.14 8585.09  683.55 8883.24  674.34 8897.57  672.83 9073.22  659.25
  9214.3  658.89 9472.95  672.42 9650.71  671.97 9836.93  657.2910026.33     653
10173.04  644.2510190.57   643.9 10281.8   629.710452.97   608.410511.28   608.4
10554.03  614.8710682.99  643.11 10792.5   659.711187.03  653.6611347.95  648.29
11404.74  644.5311621.26  641.2111878.01  643.0812183.53   638.412829.67   631.3
14317.74   631.314562.66   628.415192.27   628.415676.64   635.515737.77   642.6
16036.91  637.4816044.01  634.4616152.54  632.3716823.13  602.5317394.03   594.2
17496.25   586.617856.16  584.8417949.02  577.2918095.14  567.4218603.09  567.42
18747.05  571.2318885.07   594.218970.22  608.7518988.46  610.8619217.35  624.09
19639.86  630.1620057.78  630.3922085.17   624.5 22195.8   624.522416.15  625.54
22752.14  624.2323699.17   628.723946.29   635.825555.12   642.925922.25  646.27
26328.52  650.9526953.03   666.627168.07   667.128238.04   667.1   28848   664.2
 29110.9   664.2   29662   657.1 29890.2  652.98 30054.9  650.4630189.32  643.74
   30332  644.1430614.27  652.0330923.15  654.6631977.38  669.3732615.11  673.01
33544.39  698.6133681.38  699.3934273.75  685.3734307.07  685.5635837.05  717.49
36838.69  720.7637028.27  725.3537366.11  740.16 37405.9  741.2237700.24  746.17
38018.64  757.5538170.43   761.638913.84     79039581.94  794.7239918.85     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517394.03     .1518885.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17394.0318885.07                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.82    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.76    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508155.00   273477.00   1846077.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508155.00   273477.00   1846077.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2667880.00   753465.40   3308654.00
  Top Width (ft)          36705.93    Top Width (ft)          15998.51    1491.04   19216.38
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.77       2.76       1.79
  Max Chl Dpth (ft)         192.34    Hydr. Depth (ft)           94.27     183.41      96.07
  Conv. Total (cfs)       780140900.0    Conv. (cfs)            309260400.0   87341630.0   383538900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16013.42    1493.92   19220.58
  Min Ch El (ft)            567.42    Shear (lb/sq ft)            0.44       0.85       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.77       2.34       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    67597.76   12775.20   81390.59
  C & E Loss (ft)             0.00    Cum SA (acres)            549.68      56.99     633.92


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274812.*

INPUT
Description:
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Station Elevation Data     num=      120
      Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev
        0      800  200.38   791.32  651.92   773.56 1373.46    760.8 1555.02   752.27
  1844.99   745.52 2015.04   742.89 2370.63   742.89 2710.09   740.96   3621.8   725.08
  3694.71   721.09 3787.37   717.11 3798.86   716.91 4003.59   716.15 4186.24   712.89
  4331.41   709.46 4487.27   704.88 4868.27   695.57   5332.6   689.45 5678.17   686.88
  5826.87   685.39 5988.67   677.86 6058.29   670.57 6427.05    669.6 6782.32   673.74
  6925.64   675.78 7149.53   661.56 7318.86   654.45   7391.3   647.34 7441.16   647.34
  7594.17    652.3 7815.47   662.37 7879.54   663.24 8011.24   667.88 8380.95   668.03
  8429.68   672.16 8586.96    683.6 8885.18   674.43   8899.5   672.92   9075.2   659.32
  9216.31   658.96 9475.01   672.52 9652.81   672.06 9839.07   657.3610028.51   653.07
 10175.26   644.3410192.79   643.9910284.04   629.7710455.25   608.4410513.58   608.44
 10556.33   614.9210685.32   643.1610794.85   659.7711189.47   653.7211350.42   648.36
 11407.22    644.6 11623.8   641.28 11880.6   643.1212186.19   638.4412832.47   631.33
 14320.87   631.3314565.84   628.4415195.58   628.4415680.05   635.55 15741.2   642.66
 16040.41   637.5316047.51   634.5216156.06   632.43 16826.8   602.5517397.82   594.22
 17500.18   586.6117860.57   584.8617953.55    577.318099.87   567.4218608.07   567.42
  18752.2   571.2218890.39   594.2218975.53   608.7518993.77   610.8519222.63   624.06
 19645.09   630.1220062.96   630.3422090.12   624.4522200.74   624.4522421.07   625.49
 22757.02   624.1923703.94   628.6723951.03   635.7825559.69   642.8925926.77   646.27
    26333   650.9426957.44   666.6127172.45   667.11 28242.3   667.1128852.19   664.22
 29115.06   664.22 29666.1   657.1129894.27   652.9830058.96   650.4630193.36   643.73
 30336.03   644.1330618.26   652.03 30927.1   654.6531981.22   669.3532618.87   672.99
 33548.05   698.5233685.02   699.3134277.32   685.3534310.64   685.5435840.45    717.4
 36841.98   720.6937031.53   725.2937369.33   740.0937409.12   741.1537703.42   746.12
 38021.79   757.5138173.56   761.5638916.89      79039584.91   794.7339921.79      800

Manning's n Values         num=        3
      Sta    n Val     Sta    n Val     Sta    n Val
        0     .1517397.82     .1518890.39     .15

Bank Sta: Left   Right     Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17397.8218890.39                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.82    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.76    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508153.00   273744.10   1846425.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508153.00   273744.10   1846425.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2666903.00   754017.80   3309079.00
  Top Width (ft)          36710.45    Top Width (ft)          16002.20    1492.57   19215.68
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.77       2.75       1.79
  Max Chl Dpth (ft)         192.34    Hydr. Depth (ft)           94.25     183.40      96.09
  Conv. Total (cfs)       780305000.0    Conv. (cfs)             309212200.0   87424040.0   383668700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16017.12    1495.45   19219.87
  Min Ch El (ft)            567.42    Shear (lb/sq ft)            0.44       0.85       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.77       2.34       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    67424.65   12743.80   81178.67
  C & E Loss (ft)             0.00    Cum SA (acres)            547.85      56.82     631.71


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274809.*

INPUT
Description:
Station Elevation Data     num=      120
      Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev
        0      800  200.42   791.32  652.07   773.55 1373.76    760.8 1555.36   752.26
  1845.39   745.51 2015.48   742.88 2371.15   742.88 2710.68   740.95 3622.59   725.09
  3695.52    721.1  3788.2   717.12 3799.69   716.91 4004.47   716.14 4187.15   712.88
  4332.35   709.45 4488.25   704.86 4869.33   695.55 5333.77   689.43 5679.41   686.86
  5828.14   685.37 5989.98   677.83 6059.61   670.53 6428.45   669.57   6783.8   673.71
  6927.15   675.76 7151.09   661.52 7320.46    654.4 7392.91   647.28 7442.78   647.28
  7595.82   652.25 7817.17   662.32 7881.26    663.2 8012.99   667.85 8382.77   668.03
  8431.52   672.17 8588.84   683.66 8887.11   674.52 8901.45   673.01 9077.18   659.39
  9218.32   659.03 9477.08   672.61 9654.91   672.16 9841.22   657.44 10030.7   653.15
 10177.48   644.4310195.01   644.0810286.28   629.8410457.53   608.4810515.87   608.48
 10558.63   614.9710687.65    643.210797.21   659.8411191.91   653.7811352.89   648.43
 11409.71   644.6811626.33   641.3511883.19   643.1712188.85   638.4812835.27   631.36
 14323.99   631.3614569.01   628.4815198.89   628.4815683.47    635.615744.63   642.72
 16043.91   637.5816051.01   634.5816159.58   632.4916830.47   602.5817401.62   594.24
 17504.11   586.6217864.98   584.8817958.09   577.3118104.61   567.4218613.05   567.42
 18757.35   571.22 18895.7   594.2418980.84   608.7418999.08   610.8519227.91   624.02
 19650.32   630.0920068.15    630.322095.07    624.422205.68    624.422425.99   625.44
  22761.9   624.1523708.71   628.6423955.78   635.7625564.25   642.8825931.29   646.26
 26337.47   650.9426961.84   666.6227176.83   667.1228246.56   667.1228856.38   664.24
 29119.22   664.2429670.19   657.1229898.35   652.9830063.01   650.4630197.39   643.71
 30340.04   644.1130622.25   652.0230931.06   654.6531985.05   669.3232622.63   672.96
  33551.7   698.4433688.66   699.2234280.89   685.3334314.21   685.5235843.84   717.31
 36845.26   720.6237034.79   725.2337372.55   740.0237412.34   741.0837706.61   746.07
 38024.94   757.46 38176.7   761.5238919.94      79039587.88   794.7339924.72      800

Manning's n Values         num=        3
      Sta    n Val     Sta    n Val     Sta    n Val
        0     .1517401.62     .15 18895.7     .15

Bank Sta: Left   Right     Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17401.62 18895.7                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.82    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.76    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508159.00   274006.10   1846776.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508159.00   274006.10   1846776.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2665963.00   754552.70   3309485.00
  Top Width (ft)          36714.95    Top Width (ft)          16005.71    1494.08   19215.16
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.77       2.75       1.79
  Max Chl Dpth (ft)         192.34    Hydr. Depth (ft)           94.23     183.39      96.11
  Conv. Total (cfs)       780470300.0    Conv. (cfs)             309168600.0   87504600.0   383797100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16020.65    1496.96   19219.35
  Min Ch El (ft)            567.42    Shear (lb/sq ft)            0.44       0.85       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.77       2.34       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    67251.54   12712.36   80966.71
  C & E Loss (ft)             0.00    Cum SA (acres)            546.01      56.65     629.50
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CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274806.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  200.46  791.31  652.21  773.54 1374.06   760.8  1555.7  752.26
  1845.8  745.51 2015.92  742.87 2371.67  742.87 2711.27  740.94 3623.38  725.11
 3696.33  721.12 3789.02  717.13 3800.51  716.92 4005.34  716.13 4188.06  712.87
  4333.3  709.43 4489.23  704.85 4870.39  695.53 5334.93  689.42 5680.64  686.85
 5829.41  685.35 5991.29   677.8 6060.93  670.49 6429.86  669.53 6785.28  673.69
 6928.66  675.74 7152.65  661.48 7322.05  654.35 7394.52  647.22  7444.4  647.22
 7597.48   652.2 7818.88  662.27 7882.97  663.15 8014.73  667.82  8384.6  668.04
 8433.35  672.19 8590.71  683.72 8889.05  674.61 8903.39  673.09 9079.16  659.46
 9220.33   659.1 9479.14  672.71 9657.02  672.26 9843.36  657.5210032.88  653.22
 10179.7  644.5210197.23  644.1710288.52  629.9110459.81  608.5210518.16  608.52
10560.93  615.0210689.98  643.2510799.56  659.9111194.35  653.8411355.37   648.5
 11412.2  644.7611628.86  641.4311885.78  643.22 12191.5  638.5212838.07  631.39
14327.11  631.3914572.19  628.5215202.21  628.5215686.89  635.6515748.06  642.78
16047.41  637.6416054.51  634.6516163.11  632.5516834.14   602.617405.41  594.26
17508.04  586.64 17869.4   584.917962.63  577.3218109.34  567.4218618.03  567.42
 18762.5  571.2118901.02  594.2618986.15  608.7419004.38  610.8519233.19  623.99
19655.55  630.0520073.33  630.2622100.03  624.3522210.62  624.35 22430.9   625.4
22766.78  624.1223713.49  628.6123960.52  635.7425568.81  642.8725935.81  646.25
26341.95  650.9426966.24  666.6327181.21  667.1328250.82  667.1328860.57  664.26
29123.38  664.2629674.29  657.1329902.42  652.9930067.06  650.4630201.43   643.7
30344.07   644.130626.24  652.0130935.01  654.6431988.89  669.2932626.39  672.94
33555.36  698.35 33692.3  699.1434284.47  685.3134317.78   685.535847.24  717.22
36848.54  720.5537038.05  725.1637375.78  739.9537415.56  741.01 37709.8  746.02
38028.09  757.4238179.83  761.4838922.99     79039590.86  794.7439927.66     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517405.41     .1518901.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17405.4118901.02                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.82    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.76    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508144.00   274270.60   1847112.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508144.00   274270.60   1847112.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2664995.00   755100.30   3309905.00
  Top Width (ft)          36719.26    Top Width (ft)          16009.19    1495.61   19214.46
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.77       2.75       1.79
  Max Chl Dpth (ft)         192.34    Hydr. Depth (ft)           94.20     183.38      96.13
  Conv. Total (cfs)       780627100.0    Conv. (cfs)             309118500.0   87585700.0   383922900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16024.15    1498.49   19218.64
  Min Ch El (ft)            567.42    Shear (lb/sq ft)            0.44       0.85       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.77       2.34       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    67078.43   12680.89   80754.71
  C & E Loss (ft)             0.00    Cum SA (acres)            544.17      56.47     627.30


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274803.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  200.51  791.31  652.35  773.53 1374.36  760.79 1556.04  752.25
  1846.2   745.5 2016.36  742.86 2372.19  742.86 2711.86  740.92 3624.17  725.13
 3697.13  721.14 3789.85  717.14 3801.34  716.93 4006.21  716.13 4188.98  712.86
 4334.24  709.42 4490.21  704.83 4871.45  695.51 5336.09   689.4 5681.88  686.83
 5830.68  685.33 5992.59  677.78 6062.25  670.46 6431.26   669.5 6786.76  673.67
 6930.17  675.72 7154.21  661.44 7323.65   654.3 7396.13  647.16 7446.02  647.16
 7599.13  652.14 7820.58  662.21 7884.69  663.11 8016.48  667.79 8386.43  668.05
 8435.19  672.21 8592.58  683.77 8890.99   674.7 8905.33  673.18 9081.14  659.53
 9222.34  659.18 9481.21   672.8 9659.12  672.35 9845.51   657.610035.07   653.3
10181.91  644.6110199.45  644.2610290.76  629.9810462.09  608.5610520.45  608.56
10563.23  615.0710692.31   643.310801.91  659.9811196.79   653.911357.84  648.57
11414.69  644.83 11631.4   641.511888.37  643.2612194.16  638.5612840.86  631.42
14330.23  631.4214575.37  628.5615205.52  628.5615690.31   635.7 15751.5  642.84
 16050.9  637.6916058.01  634.7116166.63  632.6116837.81  602.63 17409.2  594.28
17511.97  586.6517873.81  584.9217967.17  577.3318114.08  567.4118623.01  567.41
18767.65  571.2118906.34  594.2818991.45  608.7419009.69  610.8419238.47  623.95
19660.79  630.0220078.52  630.2222104.98   624.322215.57   624.322435.82  625.35
22771.65  624.0823718.26  628.5823965.26  635.7225573.37  642.8625940.33  646.25
26346.42  650.9326970.65  666.6527185.59  667.1428255.08  667.1428864.76  664.28
29127.54  664.2829678.39  657.1429906.49  652.9930071.11  650.4630205.46  643.69
30348.09  644.0830630.23     65230938.96  654.6331992.72  669.2632630.15  672.92
33559.02  698.2733695.94  699.0534288.04  685.2934321.35  685.4835850.64  717.14
36851.83  720.4837041.32   725.1   37379  739.8837418.78  740.9537712.98  745.98
38031.24  757.3738182.96  761.4438926.04     79039593.83  794.7539930.59     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 17409.2     .1518906.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       17409.218906.34                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.81    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.76    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508146.00   274542.90   1847438.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508146.00   274542.90   1847438.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2664049.00   755680.60   3310271.00
  Top Width (ft)          36723.94    Top Width (ft)          16012.88    1497.14   19213.91
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.77       2.75       1.79
  Max Chl Dpth (ft)         192.35    Hydr. Depth (ft)           94.18     183.38      96.15
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  Conv. Total (cfs)       780785800.0    Conv. (cfs)            309071600.0   87670830.0   384043400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16027.85    1500.03   19218.09
  Min Ch El (ft)            567.41    Shear (lb/sq ft)            0.44       0.85       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.77       2.34       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    66905.32   12649.40   80542.67
  C & E Loss (ft)             0.00    Cum SA (acres)            542.33      56.30     625.09


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274800.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  200.55   791.3  652.49  773.51 1374.66  760.79 1556.38  752.24
  1846.6  745.49  2016.8  742.85  2372.7  742.85 2712.45  740.91 3624.96  725.14
 3697.94  721.15 3790.67  717.15 3802.17  716.94 4007.09  716.12 4189.89  712.85
 4335.19   709.4 4491.19  704.81 4872.51  695.49 5337.25  689.39 5683.12  686.81
 5831.95  685.32  5993.9  677.75 6063.57  670.42 6432.66  669.47 6788.24  673.64
 6931.68   675.7 7155.77   661.4 7325.25  654.25 7397.75   647.1 7447.65   647.1
 7600.79  652.09 7822.29  662.16 7886.41  663.06 8018.23  667.77 8388.25  668.05
 8437.03  672.22 8594.45  683.83 8892.92  674.78 8907.27  673.27 9083.12  659.61
 9224.35  659.25 9483.27   672.9 9661.23  672.45 9847.65  657.6810037.26  653.37
10184.13   644.710201.68  644.3510293.01  630.0510464.37   608.610522.74   608.6
10565.53  615.1210694.64  643.3410804.27  660.0511199.23  653.9711360.32  648.63
11417.17  644.9111633.93  641.5711890.96  643.3112196.82   638.612843.66  631.45
14333.36  631.4514578.54   628.615208.83   628.615693.73  635.7515754.93   642.9
 16054.4  637.7416061.51  634.7716170.15  632.6716841.47  602.6617412.99   594.3
 17515.9  586.6617878.22  584.9317971.71  577.3418118.81  567.4118627.98  567.41
18772.81   571.218911.65   594.318996.76  608.7419014.99  610.8419243.75  623.91
19666.02  629.98 20083.7  630.1822109.94  624.2522220.51  624.2522440.74   625.3
22776.53  624.0523723.03  628.5523970.01   635.725577.93  642.8525944.85  646.24
26350.89  650.9326975.05  666.6627189.97  667.1528259.33  667.1528868.95   664.3
 29131.7   664.329682.48  657.1529910.56     65330075.16  650.45 30209.5  643.68
30352.11  644.0730634.22     65230942.92  654.6231996.56  669.2332633.92  672.89
33562.68  698.1833699.58  698.9734291.62  685.2734324.92  685.4635854.04  717.05
36855.11   720.437044.58  725.0437382.22  739.81   37422  740.8837716.17  745.93
38034.39  757.3338186.09   761.438929.09     790 39596.8  794.7539933.52     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517412.99     .1518911.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17412.9918911.65                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.81    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.76    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508141.00   274810.40   1847792.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508141.00   274810.40   1847792.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2663072.00   756233.90   3310695.00
  Top Width (ft)          36728.27    Top Width (ft)          16016.39    1498.66   19213.22
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.77       2.75       1.79
  Max Chl Dpth (ft)         192.35    Hydr. Depth (ft)           94.16     183.37      96.17
  Conv. Total (cfs)       780953700.0    Conv. (cfs)            309024600.0   87753890.0   384175300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16031.38    1501.55   19217.39
  Min Ch El (ft)            567.41    Shear (lb/sq ft)            0.44       0.85       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.77       2.34       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    66732.21   12617.87   80330.59
  C & E Loss (ft)             0.00    Cum SA (acres)            540.50      56.13     622.89


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274797.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  200.59   791.3  652.64   773.5 1374.96  760.79 1556.72  752.23
    1847  745.49 2017.24  742.84 2373.22  742.84 2713.04   740.9 3625.75  725.16
 3698.74  721.17  3791.5  717.16    3803  716.95 4007.96  716.12  4190.8  712.84
 4336.13  709.39 4492.16   704.8 4873.57  695.47 5338.42  689.37 5684.36  686.79
 5833.22   685.3  5995.2  677.72 6064.89  670.38 6434.06  669.43 6789.72  673.62
 6933.19  675.68 7157.33  661.36 7326.84   654.2 7399.36  647.04 7449.27  647.04
 7602.44  652.04 7823.99  662.11 7888.13  663.02 8019.97  667.74 8390.08  668.06
 8438.87  672.24 8596.33  683.89 8894.86  674.87 8909.21  673.36  9085.1  659.68
 9226.36  659.32 9485.34  672.99 9663.33  672.55  9849.8  657.7610039.44  653.45
10186.35  644.79 10203.9  644.4410295.25  630.1210466.65  608.6410525.04  608.64
10567.84  615.1710696.97  643.3910806.62  660.1211201.67  654.0311362.79   648.7
11419.66  644.9911636.47  641.6411893.55  643.3612199.47  638.6412846.46  631.48
14336.48  631.4814581.72  628.6415212.14  628.6415697.15   635.815758.36  642.96
 16057.9   637.816065.01  634.8316173.67  632.7316845.14  602.6817416.79  594.32
17519.83  586.6717882.64  584.9517976.24  577.3518123.54  567.4118632.96  567.41
18777.96   571.218916.97  594.3219002.07  608.74 19020.3  610.8419249.03  623.88
19671.25  629.9520088.88  630.1422114.89   624.222225.45   624.222445.66  625.25
22781.41  624.01 23727.8  628.5223974.75  635.6825582.49  642.8425949.37  646.24
26355.37  650.9326979.45  666.6727194.35  667.1628263.59  667.1628873.13  664.32
29135.86  664.3229686.58  657.1629914.63     65330079.22  650.4530213.54  643.66
30356.13  644.0530638.21  651.9930946.87  654.6232000.39   669.232637.68  672.87
33566.33  698.0933703.22  698.8834295.19  685.2534328.49  685.4435857.43  716.96
36858.39  720.3337047.84  724.9837385.45  739.7437425.22  740.8137719.36  745.88
38037.54  757.2838189.23  761.3638932.14     79039599.78  794.7639936.46     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517416.79     .1518916.97     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17416.7918916.97                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.81    Element                   Left OB    Channel   Right OB
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```
  Vel Head (ft)              0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.76    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1508134.00   275074.60   1848130.00
  E.G. Slope (ft/ft)     0.000074    Area (sq ft)            1508134.00   275074.60   1848130.00
  Q Total (cfs)          6730000.00    Flow (cfs)              2662122.00   756780.60   3311098.00
  Top Width (ft)         36732.75    Top Width (ft)          16019.90    1500.18   19212.67
  Vel Total (ft/s)           1.85    Avg. Vel. (ft/s)           1.77       2.75       1.79
  Max Chl Dpth (ft)        192.35    Hydr. Depth (ft)          94.14     183.36      96.19
  Conv. Total (cfs)      781112000.0    Conv. (cfs)             308977100.0   87835120.0   384299800.0
  Length Wtd. (ft)           5.00    Wetted Per. (ft)        16034.91    1503.07   19216.83
  Min Ch El (ft)           567.41    Shear (lb/sq ft)           0.44       0.85       0.45
  Alpha                      1.07    Stream Power (lb/ft s)     0.77       2.33       0.80
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    66559.10   12586.31   80118.48
  C & E Loss (ft)            0.00    Cum SA (acres)            538.66      55.96     620.68


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274794.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  200.64  791.29  652.78  773.49 1375.26  760.79 1557.06  752.22
  1847.4  745.48 2017.68  742.83 2373.74  742.83 2713.63  740.88 3626.54  725.18
 3699.55  721.18 3792.32  717.17 3803.83  716.96 4008.83  716.11 4191.72  712.83
 4337.07  709.37 4493.14  704.78 4874.64  695.46 5339.58  689.36  5685.6  686.77
 5834.49  685.28 5996.51  677.69 6066.21  670.35 6435.46   669.4 6791.19   673.6
  6934.7  675.66 7158.88  661.32 7328.44  654.15 7400.97  646.98 7450.89  646.98
  7604.1  651.99 7825.69  662.05 7889.84  662.97 8021.72  667.71 8391.91  668.07
  8440.7  672.26  8598.2  683.94  8896.8  674.96 8911.15  673.45 9087.07  659.75
  9228.37   659.4 9487.41  673.09 9665.44  672.64 9851.94  657.8310041.63  653.52
10188.57  644.8910206.12  644.5310297.49  630.1910468.93  608.6810527.33  608.68
10570.14  615.22 10699.3  643.4410808.97  660.1911204.11  654.0911365.27  648.77
11422.15  645.06   11639  641.7111896.14   643.412202.13  638.6812849.26  631.51
 14339.6  631.5114584.89  628.6815215.46  628.6815700.56  635.8515761.79  643.02
16061.39  637.85 16068.5   634.9 16177.2  632.7916848.81  602.7117420.58  594.34
17523.76  586.6817887.05  584.9717980.78  577.3618128.28  567.4118637.94  567.41
18783.11   571.218922.29  594.3419007.38  608.73 19025.6  610.8419254.31  623.84
19676.48  629.9120094.07  630.0922119.85  624.1522230.39  624.1522450.57   625.2
22786.29  623.9723732.57  628.4923979.49  635.6625587.06  642.8325953.89  646.23
26359.84  650.9226983.86  666.6827198.73  667.1728267.85  667.1728877.32  664.34
29140.01  664.3429690.68  657.17 29918.7  653.0130083.27  650.4530217.58  643.65
30360.15  644.04 30642.2  651.9830950.82  654.6132004.22  669.1732641.44  672.84
33569.99  698.0133706.86   698.834298.77  685.2334332.06  685.4235860.83  716.87
36861.68  720.26 37051.1  724.9137388.67  739.6737428.44  740.7437722.54  745.83
38040.69  757.2338192.36  761.3238935.19     79039602.75  794.7739939.39     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517420.58     .1518922.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17420.5818922.29                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.81    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.76    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1508131.00   275339.50   1848501.00
  E.G. Slope (ft/ft)     0.000074    Area (sq ft)            1508131.00   275339.50   1848501.00
  Q Total (cfs)          6730000.00    Flow (cfs)              2661140.00   757316.00   3311544.00
  Top Width (ft)         36737.21    Top Width (ft)          16023.40    1501.71   19212.10
  Vel Total (ft/s)           1.85    Avg. Vel. (ft/s)           1.76       2.75       1.79
  Max Chl Dpth (ft)        192.35    Hydr. Depth (ft)          94.12     183.35      96.22
  Conv. Total (cfs)      781283300.0    Conv. (cfs)             308930800.0   87916540.0   384436000.0
  Length Wtd. (ft)           5.00    Wetted Per. (ft)        16038.43    1504.60   19216.25
  Min Ch El (ft)           567.41    Shear (lb/sq ft)           0.44       0.85       0.45
  Alpha                      1.07    Stream Power (lb/ft s)     0.77       2.33       0.80
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    66385.99   12554.72   79906.32
  C & E Loss (ft)            0.00    Cum SA (acres)            536.82      55.79     618.48


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274791.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  200.68  791.29  652.92  773.48 1375.56  760.78  1557.4  752.22
 1847.81  745.47 2018.11  742.82 2374.25  742.82 2714.22  740.87 3627.33   725.2
 3700.35   721.2 3793.15  717.18 3804.66  716.97  4009.7  716.11 4192.63  712.82
 4338.02  709.36 4494.12  704.76  4875.7  695.44 5340.74  689.34 5686.83  686.75
 5835.76  685.26 5997.81  677.67 6067.53  670.31 6436.86  669.37 6792.67  673.58
 6936.21  675.64 7160.44  661.28 7330.03   654.1 7402.58  646.92 7452.51  646.92
 7605.76  651.93  7827.4     662 7891.56  662.92 8023.47  667.68 8393.74  668.07
 8442.54  672.28 8600.07     684 8898.74  675.05 8913.09  673.54 9089.05  659.82
 9230.38  659.47 9489.47  673.18 9667.54  672.74 9854.09  657.9110043.82  653.59
10190.79  644.9810208.34  644.6210299.73  630.2610471.21  608.7210529.62  608.72
10572.44  615.2710701.63  643.4810811.33  660.2611206.55  654.1511367.74  648.84
11424.63  645.1411641.54  641.7911898.73  643.4512204.79  638.7212852.05  631.54
14342.72  631.5414588.07  628.7215218.77  628.7215703.98   635.915765.22  643.08
16064.89   637.9   16072  634.9616180.72  632.8516852.48  602.7317424.37  594.36
17527.69  586.6917891.46  584.9917985.32  577.3718133.01  567.4118642.92  567.41
18788.26  571.1918927.61  594.3619012.68  608.7319030.91  610.8319259.59   623.8
19681.71  629.8820099.25  630.05 22124.8   624.122235.34   624.122455.49  625.15
22791.17  623.9423737.35  628.4623984.24  635.6425591.62  642.8225958.41  646.23
26364.32  650.9226988.26  666.6927203.11  667.1828272.11  667.1828881.51  664.36
29144.17  664.3629694.77  657.1829922.77  653.0130087.32  650.4530221.61  643.64
30364.17  644.0330646.18  651.9830954.78   654.632008.06  669.14 32645.2  672.82
33573.64  697.92 33710.5  698.7134302.34  685.2134335.63   685.435864.23  716.78
36864.96  720.1937054.37  724.85 37391.9   739.637431.66  740.6737725.73  745.78
38043.84  757.1938195.49  761.2838938.23     79039605.72  794.7739942.33     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
```

```
       0     .1517424.37     .1518927.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17424.3718927.61                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.81    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.76    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508128.00   275606.60   1848836.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508128.00   275606.60   1848836.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2660179.00   757870.40   3311950.00
  Top Width (ft)          36741.69    Top Width (ft)          16027.06    1503.24   19211.39
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.76       2.75       1.79
  Max Chl Dpth (ft)         192.35    Hydr. Depth (ft)           94.10     183.34      96.24
  Conv. Total (cfs)       781443200.0    Conv. (cfs)            308882500.0   87998910.0   384561800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16042.11    1506.14   19215.53
  Min Ch El (ft)            567.41    Shear (lb/sq ft)            0.44       0.85       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.77       2.33       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    66212.88   12523.10   79694.13
  C & E Loss (ft)             0.00    Cum SA (acres)            534.98      55.61     616.27


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274789.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  200.72  791.28  653.06  773.47 1375.86  760.78 1557.74  752.21
 1848.21  745.47 2018.55  742.81 2374.77  742.81 2714.82  740.86 3628.12  725.21
 3701.16  721.21 3793.98  717.19 3805.48  716.98 4010.58   716.1 4193.54  712.81
 4338.96  709.34  4495.1  704.75 4876.76  695.42  5341.9  689.33 5688.07  686.74
 5837.03  685.24 5999.12  677.64 6068.85  670.27 6438.26  669.33 6794.15  673.55
 6937.72  675.62    7162  661.24 7331.63  654.05 7404.19  646.86 7454.14  646.86
 7607.41  651.88  7829.1  661.95 7893.28  662.88 8025.21  667.66 8395.56  668.08
 8444.38  672.29 8601.94  684.06 8900.67  675.14 8915.03  673.63 9091.03  659.89
 9232.39  659.54 9491.54  673.28 9669.65  672.84 9856.23  657.99   10046  653.67
10193.01  645.0710210.57  644.7110301.97  630.3310473.49  608.7610531.91  608.76
10574.74  615.3210703.96  643.5310813.68  660.3311208.99  654.2111370.22  648.91
11427.12  645.2211644.07  641.8611901.32   643.512207.44  638.7612854.85  631.57
14345.84  631.5714591.24  628.7615222.08  628.76 15707.4  635.9515768.66  643.14
16068.39  637.95 16075.5  635.0216184.24  632.9116856.15  602.7617428.17  594.38
17531.62  586.7117895.88     58517989.86  577.3818137.75  567.41 18647.9  567.41
18793.41  571.1918932.92  594.3819017.99  608.7319036.21  610.8319264.87  623.77
19686.94  629.8420104.44  630.0122129.76  624.0522240.28  624.0522460.41   625.1
22796.05   623.923742.12  628.4323988.98  635.6225596.18  642.8125962.93  646.22
26368.79  650.9226992.66   666.727207.49  667.1928276.37  667.19 28885.7  664.38
29148.33  664.3829698.87  657.1929926.84  653.0130091.37  650.4530225.65  643.62
30368.19  644.0130650.17  651.9730958.73  654.5932011.89  669.1132648.96   672.8
 33577.3  697.8333714.14  698.6234305.91  685.19 34339.2  685.3835867.62  716.69
36868.25  720.1237057.63  724.7937395.12  739.5337434.88   740.637728.91  745.74
38046.99  757.1438198.62  761.2438941.29     790 39608.7  794.7839945.27     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517428.17     .1518932.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17428.1718932.92                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.81    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.76    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508118.00   275868.40   1849187.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508118.00   275868.40   1849187.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2659210.00   758407.20   3312383.00
  Top Width (ft)          36746.15    Top Width (ft)          16030.58    1504.75   19210.82
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.76       2.75       1.79
  Max Chl Dpth (ft)         192.35    Hydr. Depth (ft)           94.08     183.33      96.26
  Conv. Total (cfs)       781604400.0    Conv. (cfs)            308833600.0   88079410.0   384691400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16045.64    1507.65   19214.96
  Min Ch El (ft)            567.41    Shear (lb/sq ft)            0.44       0.85       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.77       2.33       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    66039.77   12491.45   79481.89
  C & E Loss (ft)             0.00    Cum SA (acres)            533.14      55.44     614.07


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274786.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  200.77  791.28   653.2  773.45 1376.16  760.78 1558.07   752.2
 1848.61  745.46 2018.99   742.8 2375.29   742.8 2715.41  740.85 3628.91  725.23
 3701.96  721.23  3794.8   717.2 3806.31  716.99 4011.45   716.1 4194.45   712.8
 4339.91  709.33 4496.08  704.73 4877.82   695.4 5343.07  689.31 5689.31  686.72
  5838.3  685.22 6000.42  677.61 6070.18  670.24 6439.66   669.3 6795.63  673.53
 6939.23   675.6 7163.56   661.2 7333.22     654  7405.8   646.8 7455.76   646.8
 7609.07  651.83  7830.8   661.9    7895  662.83 8026.96  667.63 8397.39  668.09
 8446.22  672.31 8603.81  684.11 8902.61  675.23 8916.97  673.71 9093.01  659.96
  9234.4  659.61  9493.6  673.37 9671.75  672.93 9858.38  658.0710048.19  653.74
10195.22  645.1610212.79   644.810304.22   630.410475.77   608.810534.21   608.8
10577.04  615.3710706.29  643.5810816.03   660.411211.43  654.2711372.69  648.98
11429.61  645.29 11646.6  641.9311903.92  643.54 12210.1   638.812857.65   631.6
14348.97   631.614594.42   628.815225.39   628.815710.82     63615772.09   643.2
16071.88  638.01   16079  635.0816187.76  632.9716859.82  602.7817431.96   594.4
17535.55  586.7217900.29  585.0217994.39  577.3818142.48  567.4118652.88  567.41
18798.56  571.1818938.24   594.4 19023.3  608.7319041.52  610.8319270.15  623.73
19692.17  629.8120109.62  629.9722134.71     62422245.22     62422465.32  625.06
22800.93  623.8623746.89   628.423993.73   635.625600.74   642.825967.45  646.22
26373.27  650.9126997.07  666.7227211.87   667.228280.62   667.228889.89   664.4
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29152.49   664.429702.96   657.229930.91  653.0230095.42  650.4530229.69  643.61
30372.21     64430654.16  651.9630962.69  654.5932015.73  669.0832652.73  672.77
33580.96  697.7533717.79  698.5434309.49  685.1734342.77  685.3635871.02  716.61
36871.53  720.0537060.89  724.7237398.34  739.46 37438.1  740.53 37732.1  745.69
38050.14   757.138201.76   761.238944.33     79039611.67  794.79 39948.2     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517431.96     .1518938.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17431.9618938.24                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.81    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.76    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508120.00   276136.40   1849509.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508120.00   276136.40   1849509.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2658285.00   758966.20   3312749.00
  Top Width (ft)          36750.47    Top Width (ft)          16034.08    1506.28   19210.11
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.76       2.75       1.79
  Max Chl Dpth (ft)         192.35    Hydr. Depth (ft)           94.06     183.32      96.28
  Conv. Total (cfs)       781763800.0    Conv. (cfs)             308789200.0   88162300.0   384812400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16049.17    1509.18   19214.24
  Min Ch El (ft)            567.41    Shear (lb/sq ft)            0.43       0.85       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.77       2.33       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    65866.66   12459.77   79269.62
  C & E Loss (ft)             0.00    Cum SA (acres)            531.30      55.27     611.86


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274783.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  200.81  791.27  653.35  773.44 1376.46  760.78 1558.41  752.19
 1849.01  745.46 2019.43  742.79  2375.8  742.79    2716  740.83  3629.7  725.25
 3702.77  721.24 3795.63  717.21 3807.14     717 4012.32  716.09 4195.37  712.79
 4340.85  709.31 4497.06  704.71 4878.88  695.38 5344.23   689.3 5690.55   686.7
 5839.57   685.2 6001.73  677.59  6071.5   670.2 6441.07  669.27 6797.11  673.51
 6940.74  675.58 7165.12  661.16 7334.82  653.95 7407.41  646.74 7457.38  646.74
 7610.72  651.77 7832.51  661.84 7896.72  662.79 8028.71   667.6 8399.22   668.1
 8448.06  672.33 8605.69  684.17 8904.55  675.32 8918.91   673.8 9094.99  660.04
 9236.41  659.69 9495.67  673.47 9673.85  673.03 9860.52  658.1510050.38  653.82
10197.44  645.2510215.01  644.8910306.46  630.4710478.04  608.84 10536.5  608.84
10579.34  615.4210708.62  643.6210818.39  660.4711213.87  654.3411375.17  649.04
11432.09  645.3711649.14     642 11906.5  643.5912212.76  638.8412860.45  631.63
14352.09  631.63 14597.6  628.8415228.71  628.8415714.24  636.0515775.52  643.26
16075.38  638.06 16082.5  635.1516191.29  633.0416863.49  602.8117435.75  594.42
17539.48  586.73 17904.7  585.0417998.93  577.3918147.21  567.4118657.86  567.41
18803.71  571.1818943.56  594.4219028.61  608.7319046.82  610.8219275.43  623.69
 19697.4  629.77 20114.8  629.9322139.67  623.9522250.16  623.9522470.24  625.01
22805.81  623.8323751.66  628.3723998.47  635.58 25605.3  642.7925971.97  646.21
26377.74  650.9127001.47  666.7327216.24  667.2128284.88  667.2128894.08  664.42
29156.65  664.4229707.06  657.2129934.98  653.0230099.48  650.4430233.72   643.6
30376.23  643.9830658.15  651.9630966.64  654.5832019.56  669.0532656.49  672.75
33584.62  697.6633721.43  698.4534313.06  685.1434346.34  685.3435874.42  716.52
36874.82  719.9737064.15  724.6637401.57  739.3937441.32  740.4637735.29  745.64
38053.29  757.0538204.89  761.1638947.38     79039614.64  794.7939951.14     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517435.75     .1518943.56     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17435.7518943.56                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.81    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.76    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508103.00   276402.00   1849866.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508103.00   276402.00   1849866.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2657294.00   759510.90   3313195.00
  Top Width (ft)          36754.91    Top Width (ft)          16037.58    1507.81   19209.52
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.76       2.75       1.79
  Max Chl Dpth (ft)         192.35    Hydr. Depth (ft)           94.04     183.31      96.30
  Conv. Total (cfs)       781926500.0    Conv. (cfs)             308738300.0   88243940.0   384944300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16052.68    1510.71   19213.64
  Min Ch El (ft)            567.41    Shear (lb/sq ft)            0.43       0.85       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.77       2.33       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    65693.55   12428.06   79057.30
  C & E Loss (ft)             0.00    Cum SA (acres)            529.46      55.10     609.66


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274780.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  200.86  791.27  653.49  773.43 1376.76  760.77 1558.75  752.18
 1849.42  745.45 2019.87  742.78 2376.32  742.78 2716.59  740.82 3630.49  725.26
 3703.58  721.26 3796.45  717.22 3807.97  717.01  4013.2  716.09 4196.28  712.78
  4341.8   709.3 4498.03  704.69 4879.94  695.36 5345.39  689.28 5691.79  686.68
 5840.84  685.19 6003.04  677.56 6072.82  670.16 6442.47  669.23 6798.59  673.48
 6942.25  675.56 7166.68  661.12 7336.42   653.9 7409.03  646.68    7459  646.68
 7612.38  651.72 7834.21  661.79 7898.43  662.74 8030.45  667.58 8401.04   668.1
 8449.89  672.34 8607.56  684.23 8906.48   675.4 8920.85  673.89 9096.97  660.11
 9238.41  659.76 9497.73  673.56 9675.96  673.13 9862.67  658.2310052.56  653.89
10199.66  645.3410217.23  644.98 10308.7  630.5410480.32  608.8810538.79  608.88
10581.64  615.4610710.95  643.6710820.74  660.5411216.31   654.411377.64  649.11
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11434.58  645.4511651.67  642.0811909.09  643.6412215.41  638.8812863.25  631.66
14355.21  631.6614600.77  628.8815232.02  628.8815717.66   636.115778.95  643.32
16078.88  638.11   16086  635.2116194.81   633.116867.15  602.8417439.55  594.44
17543.41  586.7417909.12  585.0618003.47   577.418151.95  567.4118662.84  567.41
18808.87  571.1718948.87  594.4419033.91  608.7319052.13  610.8219280.71  623.66
19702.64  629.7420119.99  629.8922144.62   623.9 22255.1   623.922475.16  624.96
22810.69  623.7923756.43  628.3424003.21  635.5625609.86  642.7825976.49  646.21
26382.21  650.9127005.87  666.7427220.62  667.2228289.14  667.2228898.27  664.44
29160.81  664.4429711.16  657.2229939.05  653.0330103.53  650.4430237.76  643.59
30380.25  643.9730662.14  651.9530970.59  654.57 32023.4  669.0332660.25  672.72
33588.27  697.5733725.07  698.3734316.64  685.1234349.91  685.3235877.82  716.43
 36878.1   719.937067.41   724.637404.79  739.3237444.54   740.437738.47  745.59
38056.44  757.0138208.02  761.1238950.43     79039617.62   794.839954.07     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517439.55     .1518948.87     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17439.5518948.87                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.81    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508106.00   276664.90   1850199.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508106.00   276664.90   1850199.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2656350.00   760053.90   3313596.00
  Top Width (ft)          36759.41    Top Width (ft)          16041.29    1509.32   19208.81
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.76       2.75       1.79
  Max Chl Dpth (ft)         192.35    Hydr. Depth (ft)           94.01     183.30      96.32
  Conv. Total (cfs)       782085700.0    Conv. (cfs)            308691400.0   88325000.0   385069200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16056.40    1512.22   19212.92
  Min Ch El (ft)            567.41    Shear (lb/sq ft)            0.43       0.85       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.76       2.32       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    65520.45   12396.32   78844.95
  C & E Loss (ft)             0.00    Cum SA (acres)            527.62      54.92     607.45


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274777.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   200.9  791.27  653.63  773.42 1377.06  760.77 1559.09  752.18
 1849.82  745.44 2020.31  742.77 2376.84  742.77 2717.18  740.81 3631.28  725.28
 3704.38  721.28 3797.28  717.23  3808.8  717.02 4014.07  716.08 4197.19  712.77
 4342.74  709.28 4499.01  704.68    4881  695.34 5346.55  689.27 5693.02  686.66
 5842.11  685.17 6004.34  677.53 6074.14  670.13 6443.87   669.2 6800.07  673.46
 6943.76  675.54 7168.24  661.08 7338.01  653.85 7410.64  646.62 7460.63  646.62
 7614.03  651.67 7835.92  661.74 7900.15  662.69  8032.2  667.55 8402.87  668.11
 8451.73  672.36 8609.43  684.28 8908.42  675.49 8922.79  673.98 9098.95  660.18
 9240.42  659.83  9499.8  673.66 9678.06  673.22 9864.81   658.310054.75  653.97
10201.88  645.4310219.45  645.0710310.94  630.61 10482.6  608.9210541.08  608.92
10583.95  615.5110713.28  643.7210823.09  660.6111218.75  654.4611380.11  649.18
11437.07  645.5211654.21  642.1511911.69  643.6812218.07  638.9212866.04  631.69
14358.33  631.6914603.95  628.9215235.33  628.9215721.08  636.1515782.38  643.38
16082.38  638.17 16089.5  635.2716198.33  633.1616870.82  602.8617443.34  594.46
17547.34  586.7517913.53  585.0818008.01  577.4118156.68   567.418667.82   567.4
18814.02  571.1718954.19  594.4619039.22  608.7219057.43  610.8219285.98  623.62
19707.87   629.720125.17  629.8422149.58  623.8522260.05  623.8522480.08  624.91
22815.57  623.7623761.21  628.3124007.96  635.5425614.43  642.7725981.01   646.2
26386.69   650.927010.28  666.75   27225  667.23 28293.4  667.2328902.46  664.46
29164.97  664.4629715.26  657.2329943.12  653.0330107.58  650.44 30241.8  643.57
30384.27  643.9530666.13  651.9430974.55  654.5632027.23     66932664.01   672.7
33591.93  697.4933728.71  698.2834320.21   685.134353.48   685.335881.21  716.34
36881.38  719.8337070.68  724.5437408.02  739.2537447.76  740.3337741.66  745.55
38059.59  756.9638211.16  761.0838953.48     79039620.59  794.81   39957     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517443.34     .1518954.19     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17443.3418954.19                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.81    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508099.00   276937.00   1850558.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508099.00   276937.00   1850558.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2655365.00   760619.40   3314016.00
  Top Width (ft)          36763.82    Top Width (ft)          16044.76    1510.85   19208.21
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.76       2.75       1.79
  Max Chl Dpth (ft)         192.35    Hydr. Depth (ft)           93.99     183.30      96.34
  Conv. Total (cfs)       782256600.0    Conv. (cfs)            308644400.0   88410040.0   385202100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16059.90    1513.76   19212.32
  Min Ch El (ft)            567.40    Shear (lb/sq ft)            0.43       0.85       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.76       2.32       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    65347.34   12364.54   78632.56
  C & E Loss (ft)             0.00    Cum SA (acres)            525.78      54.75     605.25


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274774.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  200.94  791.26  653.77   773.4 1377.36  760.77 1559.43  752.17
 1850.22  745.44 2020.75  742.76 2377.35  742.76 2717.77   740.8 3632.07   725.3
 3705.19  721.29  3798.1  717.24 3809.62  717.03 4014.94  716.08  4198.1  712.76
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 4343.68  709.27 4499.99  704.66 4882.06  695.32 5347.72  689.25 5694.26  686.64
 5843.38  685.15 6005.65   677.5 6075.46  670.09 6445.27  669.17 6801.54  673.44
 6945.27  675.52  7169.8  661.04 7339.61   653.8 7412.25  646.56 7462.25  646.56
 7615.69  651.61 7837.62  661.68 7901.87  662.65 8033.94  667.52  8404.7  668.12
 8453.57  672.38  8611.3  684.34 8910.36  675.58 8924.73  674.07 9100.92  660.25
 9242.43  659.91 9501.87  673.75 9680.17  673.32 9866.96  658.3810056.93  654.04
 10204.1  645.5210221.68  645.1610313.19  630.6810484.88  608.9610543.37  608.96
10586.25  615.5610715.61  643.7610825.45  660.6811221.18  654.5211382.59  649.25
11439.56   645.611656.74  642.2211914.28  643.7312220.73  638.9612868.84  631.72
14361.45  631.7214607.12  628.9615238.65  628.9615724.49   636.215785.81  643.44
16085.87  638.2216092.99  635.3316201.85  633.2216874.49  602.8917447.13  594.48
17551.27  586.7717917.94  585.0918012.54  577.4218161.42   567.4 18672.8   567.4
18819.17  571.1718959.51  594.4819044.53  608.7219062.74  610.8119291.27  623.58
 19713.1  629.6720130.36   629.822154.53   623.822264.99   623.822484.99  624.86
22820.45  623.7223765.98  628.28 24012.7  635.5225618.99  642.7625985.53   646.2
26391.16   650.927014.68  666.7627229.38  667.2428297.65  667.2428906.64  664.48
29169.13  664.4829719.35  657.2429947.19  653.0330111.63  650.4430245.83  643.56
30388.29  643.9430670.12  651.93 30978.5  654.5632031.06  668.9732667.78  672.68
33595.59   697.433732.35   698.234323.79  685.0834357.05  685.2835884.61  716.25
36884.67  719.7637073.94  724.4737411.24  739.1837450.98  740.2637744.84   745.5
38062.74  756.9138214.29  761.0438956.53     79039623.56  794.8139959.94     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517447.13     .1518959.51     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17447.1318959.51                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.81    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508089.00   277202.20   1850897.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508089.00   277202.20   1850897.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2654409.00   761166.60   3314424.00
  Top Width (ft)          36768.24    Top Width (ft)          16048.27    1512.38   19207.60
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.76       2.75       1.79
  Max Chl Dpth (ft)         192.35    Hydr. Depth (ft)           93.97     183.29      96.36
  Conv. Total (cfs)       782415100.0    Conv. (cfs)            308595800.0   88491560.0   385327700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16063.42    1515.29   19211.70
  Min Ch El (ft)            567.40    Shear (lb/sq ft)            0.43       0.84       0.45
  Alpha                       1.07    Stream Power (lb/ft s)      0.76       2.32       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    65174.23   12332.74   78420.13
  C & E Loss (ft)             0.00    Cum SA (acres)            523.93      54.58     603.04


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274771.*

INPUT
Description:
Station Elevation Data     num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  200.99  791.26  653.91  773.39 1377.65  760.76 1559.77  752.16
 1850.62  745.43 2021.19  742.75 2377.87  742.75 2718.36  740.78 3632.86  725.31
 3705.99  721.31 3798.93  717.25 3810.45  717.04 4015.81  716.07 4199.02  712.75
 4344.63  709.25 4500.97  704.64 4883.13   695.3 5348.88  689.24  5695.5  686.62
 5844.65  685.13 6006.95  677.48 6076.78  670.05 6446.67  669.13 6803.02  673.42
 6946.78   675.5 7171.35     661  7341.2  653.75 7413.86   646.5 7463.87   646.5
 7617.34  651.56 7839.32  661.63 7903.59   662.6 8035.69  667.49 8406.53  668.12
 8455.41  672.39 8613.17   684.4 8912.29  675.67 8926.67  674.16  9102.9  660.32
 9244.44  659.98 9503.93  673.85 9682.27  673.42  9869.1  658.4610059.12  654.12
10206.32  645.61 10223.9  645.2510315.43  630.7510487.16     60910545.67     609
10588.55  615.6110717.94  643.81 10827.8  660.7511223.62  654.5811385.06  649.32
11442.04  645.6811659.27  642.2911916.87  643.7812223.38     63912871.64  631.75
14364.58  631.75 14610.3     62915241.96     62915727.91  636.2515789.25   643.5
16089.37  638.2716096.49   635.416205.37  633.2816878.16  602.9117450.93   594.5
 17555.2  586.7817922.36  585.1118017.08  577.4318166.15   567.418677.78   567.4
18824.32  571.1618964.82   594.519049.83  608.7219068.04  610.8119296.54  623.55
19718.33  629.6320135.54  629.7622159.48  623.7522269.93  623.7522489.91  624.81
22825.32  623.6823770.75  628.2524017.45   635.525623.55  642.7525990.05  646.19
26395.63   650.927019.08  666.7827233.76  667.2528301.91  667.2528910.83   664.5
29173.29   664.529723.45  657.2529951.26  653.0430115.68  650.4430249.87  643.55
30392.31  643.9330674.11  651.9330982.46  654.55 32034.9  668.9432671.54  672.65
33599.24  697.3133735.99  698.1134327.36  685.0634360.62  685.2635888.01  716.17
36887.95  719.69 37077.2  724.4137414.46  739.11 37454.2  740.1937748.03  745.45
38065.89  756.8738217.43     76138959.58     79039626.54  794.8239962.88     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517450.93     .1518964.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17450.9318964.82                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.81    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508099.00   277465.70   1851232.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508099.00   277465.70   1851232.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2653476.00   761706.80   3314818.00
  Top Width (ft)          36772.75    Top Width (ft)          16051.97    1513.89   19206.89
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.76       2.75       1.79
  Max Chl Dpth (ft)         192.35    Hydr. Depth (ft)           93.95     183.28      96.38
  Conv. Total (cfs)       782577800.0    Conv. (cfs)            308551500.0   88572780.0   385453600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16067.15    1516.80   19210.98
  Min Ch El (ft)            567.40    Shear (lb/sq ft)            0.43       0.84       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.76       2.32       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    65001.13   12300.91   78207.65
  C & E Loss (ft)             0.00    Cum SA (acres)            522.09      54.40     600.84


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274768.*
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```
INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  201.03  791.25  654.06  773.38 1377.95  760.76 1560.11  752.15
 1851.02  745.42 2021.63  742.74 2378.39  742.74 2718.95  740.77 3633.65  725.33
  3706.8  721.32 3799.76  717.26 3811.28  717.05 4016.69  716.06 4199.93  712.74
 4345.57  709.24 4501.95  704.63 4884.19  695.28 5350.04  689.22 5696.74  686.61
 5845.92  685.11 6008.26  677.45  6078.1  670.02 6448.07   669.1  6804.5  673.39
 6948.29  675.48 7172.91  660.96  7342.8   653.7 7415.47  646.44 7465.49  646.44
    7619  651.51 7841.03  661.58 7905.31  662.56 8037.44  667.47 8408.35  668.13
 8457.25  672.41 8615.05  684.45 8914.23  675.76 8928.61  674.25 9104.88  660.39
 9246.45  660.05    9506  673.94 9684.38  673.51 9871.25  658.5410061.31  654.19
10208.53   645.710226.12  645.3410317.67  630.8210489.44  609.0410547.96  609.04
10590.85  615.6610720.27  643.8610830.16  660.8211226.06  654.6411387.54  649.38
11444.53  645.7511661.81  642.3611919.46  643.8212226.04  639.0412874.44  631.78
 14367.7  631.7814613.47  629.0415245.27  629.0415731.33   636.315792.68  643.56
16092.87  638.3216099.99  635.46 16208.9  633.3416881.83  602.9417454.72  594.52
17559.13  586.7917926.77  585.1318021.62  577.4418170.88   567.418682.75   567.4
18829.47  571.1618970.14  594.5219055.14  608.7219073.35  610.8119301.82  623.51
19723.56   629.620140.73  629.7222164.44   623.722274.87   623.722494.83  624.76
 22830.2  623.6523775.52  628.2224022.19  635.4825628.11  642.7425994.57  646.19
26400.11  650.8927023.49  666.7927238.14  667.2628306.17  667.2628915.02  664.52
29177.45  664.5229727.54  657.2629955.33  653.0430119.74  650.4430253.91  643.53
30396.33  643.9130678.09  651.9230986.41  654.5432038.73  668.91 32675.3  672.63
 33602.9  697.2333739.64  698.0334330.93  685.04 34364.2  685.24 35891.4  716.08
36891.23  719.6237080.46  724.3537417.69  739.0437457.42  740.1237751.22   745.4
38069.04  756.8238220.56  760.9638962.62     79039629.51  794.8339965.81     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517454.72     .1518970.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17454.7218970.14                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.81    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508092.00   277730.80   1851569.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508092.00   277730.80   1851569.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2652527.00   762251.40   3315222.00
  Top Width (ft)          36777.16    Top Width (ft)          16055.48    1515.42   19206.26
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.76       2.74       1.79
  Max Chl Dpth (ft)         192.35    Hydr. Depth (ft)           93.93     183.27      96.40
  Conv. Total (cfs)       782737500.0    Conv. (cfs)            308504100.0   88654200.0   385579300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16070.67    1518.33   19210.35
  Min Ch El (ft)            567.40    Shear (lb/sq ft)            0.43       0.84       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.76       2.32       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    64828.02   12269.04   77995.14
  C & E Loss (ft)             0.00    Cum SA (acres)            520.25      54.23     598.63


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274765.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  201.07  791.25   654.2  773.37 1378.25  760.76 1560.45  752.15
 1851.43  745.42 2022.07  742.73  2378.9  742.73 2719.54  740.76 3634.44  725.35
  3707.6  721.34 3800.58  717.27 3812.11  717.06 4017.56  716.06 4200.84  712.73
 4346.52  709.22 4502.93  704.61 4885.25  695.26  5351.2  689.21 5697.98  686.59
 5847.19  685.09 6009.56  677.42 6079.42  669.98 6449.47  669.07 6805.98  673.37
  6949.8  675.46 7174.47  660.92 7344.39  653.65 7417.08  646.38 7467.11  646.38
 7620.66  651.45 7842.73  661.53 7907.02  662.51 8039.18  667.44 8410.18  668.14
 8459.08  672.43 8616.92  684.51 8916.17  675.85 8930.55  674.33 9106.86  660.47
 9248.46  660.12 9508.06  674.04 9686.48  673.61 9873.39  658.6210063.49  654.27
10210.75  645.7910228.34  645.4310319.91  630.8910491.72  609.0810550.25  609.08
10593.15  615.71 10722.6   643.910832.51  660.89 11228.5   654.711390.01  649.45
11447.02  645.8311664.34  642.4411922.05  643.87 12228.7  639.0812877.23  631.81
14370.82  631.8114616.65  629.0815248.58  629.0815734.75  636.3515796.11  643.62
16096.36  638.3816103.49  635.5216212.42   633.4 16885.5  602.9617458.51  594.54
17563.06   586.817931.18  585.1518026.16  577.4518175.62   567.418687.73   567.4
18834.62  571.1518975.46  594.5419060.45  608.7219078.66  610.81 19307.1  623.47
19728.79  629.5620145.91  629.6822169.39  623.6522279.81  623.6522499.74  624.72
22835.08  623.6123780.29  628.1924026.93  635.4625632.67  642.7325999.09  646.18
26404.58  650.8927027.89   666.827242.52  667.2728310.43  667.2728919.21  664.54
 29181.6  664.5429731.64  657.2729959.41  653.0530123.79  650.4430257.94  643.52
30400.36   643.930682.08  651.9130990.36  654.5332042.57  668.8832679.06   672.6
33606.56  697.1433743.28  697.9434334.51  685.0234367.77  685.22 35894.8  715.99
36894.52  719.5437083.73  724.2837420.91  738.9737460.64  740.05 37754.4  745.36
38072.19  756.7838223.69  760.9238965.68     79039632.48  794.8339968.75     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517458.51     .1518975.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17458.5118975.46                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.81    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508075.00   277997.60   1851928.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508075.00   277997.60   1851928.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2651531.00   762796.30   3315673.00
  Top Width (ft)          36781.43    Top Width (ft)          16058.95    1516.95   19205.53
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.76       2.74       1.79
  Max Chl Dpth (ft)         192.35    Hydr. Depth (ft)           93.91     183.26      96.43
  Conv. Total (cfs)       782903700.0    Conv. (cfs)            308453700.0   88736410.0   385713600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16074.17    1519.87   19209.62
  Min Ch El (ft)            567.40    Shear (lb/sq ft)            0.43       0.84       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.76       2.32       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    64654.92   12237.15   77782.59
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  C & E Loss (ft)             0.00    Cum SA (acres)            518.41      54.05     596.43


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274762.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  201.12  791.24  654.34  773.35 1378.55  760.76 1560.79  752.14
 1851.83  745.41 2022.51  742.72 2379.42  742.72 2720.13  740.74 3635.23  725.37
 3708.41  721.35 3801.41  717.28 3812.94  717.07 4018.43  716.05 4201.75  712.72
 4347.46  709.21  4503.9  704.59 4886.31  695.24 5352.37  689.19 5699.21  686.57
 5848.46  685.07 6010.87   677.4 6080.74  669.94 6450.87  669.04 6807.46  673.35
 6951.31  675.44 7176.03  660.88 7345.99   653.6 7418.69  646.32 7468.74  646.32
 7622.31   651.4 7844.44  661.47 7908.74  662.47 8040.93  667.41 8412.01  668.14
 8460.92  672.45 8618.79  684.57 8918.11  675.93 8932.49  674.42 9108.84  660.54
 9250.47   660.2 9510.13  674.13 9688.59  673.71 9875.54   658.710065.68  654.34
10212.97  645.8810230.56  645.5210322.15  630.96   10494  609.1210552.54  609.12
10595.45  615.7610724.93  643.9510834.86  660.9611230.94  654.7711392.49  649.52
 11449.5  645.9111666.88  642.5111924.64  643.9212231.36  639.1212880.03  631.84
14373.94  631.8414619.82  629.12 15251.9  629.1215738.17   636.415799.54  643.68
16099.86  638.4316106.99  635.5816215.94  633.4616889.17  602.99 17462.3  594.56
17566.99  586.81 17935.6  585.16 18030.7  577.4618180.35   567.418692.71   567.4
18839.78  571.1518980.78  594.5619065.76  608.7219083.96   610.819312.38  623.44
19734.03  629.5320151.09  629.6422174.35   623.622284.76   623.622504.66  624.67
22839.96  623.5723785.06  628.1624031.68  635.4425637.23  642.7226003.61  646.18
26409.06  650.8927032.29  666.81 27246.9  667.2828314.69  667.28 28923.4  664.56
29185.76  664.5629735.74  657.2829963.48  653.0530127.84  650.4330261.98  643.51
30404.38  643.8830686.07  651.9130994.32  654.53 32046.4  668.8532682.82  672.58
33610.21  697.0633746.92  697.8634338.08     68534371.34   685.2 35898.2   715.9
 36897.8  719.4737086.99  724.2237424.14   738.937463.86  739.9837757.59  745.31
38075.34  756.7338226.82  760.8838968.72     79039635.45  794.8439971.68     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 17462.3     .1518980.78     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       17462.318980.78                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.81    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508072.00   278264.70   1852256.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508072.00   278264.70   1852256.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2650596.00   763351.80   3316053.00
  Top Width (ft)          36785.83    Top Width (ft)          16062.46    1518.48   19204.90
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.76       2.74       1.79
  Max Chl Dpth (ft)         192.35    Hydr. Depth (ft)           93.89     183.25      96.45
  Conv. Total (cfs)       783062400.0    Conv. (cfs)            308407400.0   88819020.0   385836000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16077.69    1521.40   19208.97
  Min Ch El (ft)            567.40    Shear (lb/sq ft)            0.43       0.84       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.76       2.31       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    64481.82   12205.22   77569.99
  C & E Loss (ft)             0.00    Cum SA (acres)            516.56      53.88     594.22


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274759.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  201.16  791.24  654.48  773.34 1378.85  760.75 1561.13  752.13
 1852.23   745.4 2022.95  742.71 2379.94  742.71 2720.72  740.73 3636.02  725.38
 3709.21  721.37 3802.23  717.29 3813.77  717.08 4019.31  716.05 4202.67  712.71
 4348.41  709.19 4504.88  704.58 4887.37  695.22 5353.53  689.18 5700.45  686.55
 5849.74  685.06 6012.18  677.37 6082.06  669.91 6452.27     669 6808.94  673.32
 6952.82  675.42 7177.59  660.84 7347.58  653.55 7420.31  646.26 7470.36  646.26
 7623.97  651.35 7846.14  661.42 7910.46  662.42 8042.68  667.38 8413.83  668.15
 8462.76  672.46 8620.66  684.62 8920.04  676.02 8934.43  674.51 9110.82  660.61
 9252.48  660.27 9512.19  674.23 9690.69   673.8 9877.69  658.7710067.87  654.42
10215.19  645.9710232.79  645.61 10324.4  631.0310496.28  609.1610554.83  609.16
10597.75  615.8110727.26    64410837.22  661.0311233.38  654.8311394.96  649.59
11451.99  645.9811669.41  642.5811927.23  643.9612234.01  639.1612882.83  631.87
14377.07  631.87   14623  629.1615255.21  629.1615741.59  636.4515802.97  643.74
16103.36  638.4816110.49  635.6516219.46  633.5216892.83  603.02 17466.1  594.58
17570.92  586.8217940.01  585.1818035.23  577.4718185.09   567.418697.69   567.4
18844.93  571.1418986.09  594.5819071.06  608.7119089.27   610.819317.66   623.4
19739.26  629.4920156.28  629.59 22179.3  623.55 22289.7  623.5522509.58  624.62
22844.84  623.5423789.84  628.1324036.42  635.4225641.79  642.7126008.13  646.17
26413.53  650.88 27036.7  666.8227251.28  667.2928318.94  667.2928927.59  664.58
29189.92  664.5829739.83  657.2929967.55  653.0630131.89  650.4330266.02  643.49
 30408.4  643.8730690.06   651.930998.27  654.5232050.24  668.8232686.59  672.56
33613.87  696.9733750.56  697.7734341.66  684.9834374.91  685.1735901.59  715.81
36901.09   719.437090.25  724.1637427.36  738.8337467.07  739.9137760.78  745.26
38078.49  756.6938229.96  760.8438971.77     79039638.43  794.8539974.61     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 17466.1     .1518986.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       17466.118986.09                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.81    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508072.00   278528.20   1852626.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508072.00   278528.20   1852626.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2649605.00   763881.80   3316513.00
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  Top Width (ft)          36790.32    Top Width (ft)          16066.15    1519.99   19204.17
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.76       2.74       1.79
  Max Chl Dpth (ft)         192.35    Hydr. Depth (ft)           93.87     183.24      96.47
  Conv. Total (cfs)       783234400.0    Conv. (cfs)            308359900.0   88900230.0   385974300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16081.41    1522.91   19208.24
  Min Ch El (ft)            567.40    Shear (lb/sq ft)            0.43       0.84       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.76       2.31       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    64308.71   12173.27   77357.36
  C & E Loss (ft)             0.00    Cum SA (acres)            514.72      53.71     592.02


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274756.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  201.21  791.23  654.62  773.33 1379.15  760.75 1561.46  752.12
 1852.63   745.4 2023.39   742.7 2380.45   742.7 2721.31  740.72 3636.81   725.4
 3710.02  721.39 3803.06   717.3 3814.59  717.09 4020.18  716.04 4203.58   712.7
 4349.35  709.18 4505.86  704.56 4888.43   695.2 5354.69  689.16 5701.69  686.53
 5851.01  685.04 6013.48  677.34 6083.38  669.87 6453.68  668.97 6810.42   673.3
 6954.33   675.4 7179.15   660.8 7349.18   653.5 7421.92   646.2 7471.98   646.2
 7625.62   651.3 7847.84  661.37 7912.18  662.37 8044.42  667.36 8415.66  668.16
  8464.6  672.48 8622.54  684.68 8921.98  676.11 8936.37   674.6 9112.79  660.68
 9254.49  660.34 9514.26  674.32 9692.79   673.9 9879.83  658.8510070.05  654.49
10217.41  646.0610235.01   645.710326.64   631.110498.56   609.210557.13   609.2
10600.06  615.8610729.59  644.0410839.57   661.111235.82  654.8911397.44  649.66
11454.48  646.0611671.94  642.6511929.82  644.0112236.67   639.212885.63   631.9
14380.19   631.914626.18   629.215258.52   629.2   15745   636.515806.41   643.8
16106.86  638.5316113.99  635.7116222.99  633.58 16896.5  603.0417469.89   594.6
17574.85  586.8417944.42   585.218039.77  577.4818189.82   567.418702.67   567.4
18850.08  571.1418991.41   594.619076.37  608.7119094.57   610.819322.94  623.37
19744.49  629.4620161.46  629.5522184.26   623.522294.64   623.5 22514.5  624.57
22849.72   623.523794.61   628.124041.16   635.425646.36   642.726012.65  646.17
26418.01  650.88 27041.1  666.8327255.65   667.3 28323.2   667.328931.78   664.6
29194.08   664.629743.93   657.329971.62  653.0630135.95  650.4330270.05  643.48
30412.42  643.8530694.05  651.8931002.22  654.5132054.07  668.7932690.35  672.53
33617.53  696.88 33754.2  697.6934345.23  684.9634378.48  685.1535904.99  715.73
36904.37  719.3337093.52   724.137430.59  738.7637470.29  739.8537763.96  745.21
38081.64  756.6438233.09   760.838974.82     790 39641.4  794.8539977.55     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517469.89     .1518991.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17469.8918991.41                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.81    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508066.00   278790.80   1852959.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508066.00   278790.80   1852959.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2648668.00   764416.70   3316916.00
  Top Width (ft)          36794.70    Top Width (ft)          16069.66    1521.52   19203.53
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.76       2.74       1.79
  Max Chl Dpth (ft)         192.35    Hydr. Depth (ft)           93.85     183.23      96.49
  Conv. Total (cfs)       783392000.0    Conv. (cfs)            308312800.0   88980380.0   386098800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16084.93    1524.44   19207.59
  Min Ch El (ft)            567.40    Shear (lb/sq ft)            0.43       0.84       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.76       2.31       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    64135.61   12141.28   77144.69
  C & E Loss (ft)             0.00    Cum SA (acres)            512.87      53.53     589.82


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274753.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  201.25  791.23  654.77  773.32 1379.45  760.75  1561.8  752.11
 1853.04  745.39 2023.83  742.69 2380.97  742.69 2721.91  740.71 3637.59  725.42
 3710.82   721.4 3803.89  717.31 3815.42   717.1 4021.05  716.04 4204.49  712.69
 4350.29  709.16 4506.84  704.54 4889.49  695.19 5355.85  689.15 5702.93  686.51
 5852.28  685.02 6014.79  677.31  6084.7  669.83 6455.08  668.94  6811.9  673.28
 6955.84  675.38 7180.71  660.76 7350.78  653.45 7423.53  646.14  7473.6  646.14
 7627.28  651.24 7849.55  661.31  7913.9  662.33 8046.17  667.33 8417.49  668.16
 8466.43   672.5 8624.41  684.74 8923.92   676.2 8938.31  674.69 9114.77  660.75
  9256.5  660.42 9516.33  674.42  9694.9     674 9881.98  658.9310072.24  654.57
10219.63  646.1510237.23  645.7910328.88  631.1710500.84  609.2410559.42  609.24
10602.36  615.9110731.92  644.0910841.92  661.1711238.26  654.9511399.91  649.72
11456.96  646.1411674.48  642.7211932.41  644.0612239.33  639.2412888.42  631.93
14383.31  631.9314629.35  629.2415261.84  629.2415748.42  636.5515809.84  643.86
16110.35  638.5916117.49  635.7716226.51  633.6416900.17  603.0717473.68  594.62
17578.78  586.8517948.84  585.2218044.31  577.4918194.55   567.418707.65   567.4
18855.23  571.1418996.73  594.6219081.68  608.7119099.88  610.7919328.22  623.33
19749.72  629.4220166.65  629.5122189.21  623.4522299.58  623.4522519.41  624.52
 22854.6  623.4723799.38  628.0724045.91  635.3825650.92  642.6926017.17  646.16
26422.48  650.88 27045.5  666.8527260.03  667.3128327.46  667.3128935.96  664.62
29198.24  664.6229748.03  657.3129975.69  653.06   30140  650.4330274.09  643.47
30416.44  643.8430698.04  651.8931006.18   654.532057.91  668.7632694.11  672.51
33621.18   696.833757.84   697.6 34348.8  684.9434382.05  685.1335908.39  715.64
36907.65  719.2637096.78  724.0337433.81  738.6837473.52  739.7837767.15  745.17
38084.79  756.5938236.22  760.7638977.87     79039644.38  794.8639980.48     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517473.68     .1518996.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17473.6818996.73                5       5       5             .1       .3
```

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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.81    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508046.00   279056.10   1853296.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508046.00   279056.10   1853296.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2647699.00   764964.80   3317337.00
  Top Width (ft)          36799.08    Top Width (ft)          16073.16    1523.05   19202.87
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.76       2.74       1.79
  Max Chl Dpth (ft)         192.35    Hydr. Depth (ft)           93.82     183.22      96.51
  Conv. Total (cfs)       783547400.0    Conv. (cfs)             308261100.0   89061830.0   386224400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16088.46    1525.97   19206.93
  Min Ch El (ft)            567.40    Shear (lb/sq ft)            0.43       0.84       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.76       2.31       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    63962.51   12109.27   76931.98
  C & E Loss (ft)             0.00    Cum SA (acres)            511.03      53.36     587.61


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274751.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  201.29  791.22  654.91  773.31 1379.75  760.74 1562.14  752.11
 1853.44  745.39 2024.26  742.68 2381.49  742.68  2722.5  740.69 3638.38  725.43
 3711.63  721.42 3804.71  717.32 3816.25  717.11 4021.92  716.03 4205.41  712.68
 4351.24  709.15 4507.82  704.53 4890.56  695.17 5357.02  689.13 5704.17   686.5
 5853.55     685 6016.09  677.29 6086.02   669.8 6456.48   668.9 6813.37  673.26
 6957.35  675.36 7182.27  660.72 7352.37   653.4 7425.14  646.08 7475.23  646.08
 7628.93  651.19 7851.25  661.26 7915.61  662.28 8047.92   667.3 8419.32  668.17
 8468.27  672.51 8626.28  684.79 8925.85  676.29 8940.25  674.78 9116.75  660.82
 9258.51  660.49 9518.39  674.51    9697  674.09 9884.12  659.0110074.43  654.64
10221.84  646.2410239.45  645.8810331.12  631.2410503.12  609.2810561.71  609.28
10604.66  615.9610734.25  644.1410844.28  661.24 11240.7  655.0111402.39  649.79
11459.45  646.2111677.01   642.8   11935   644.112241.98  639.2812891.22  631.96
14386.43  631.9614632.53  629.2815265.15  629.2815751.84   636.615813.27  643.92
16113.85  638.6416120.98  635.8416230.03   633.716903.84  603.0917477.48  594.64
17582.71  586.8617953.25  585.2418048.85   577.518199.29  567.3918712.63  567.39
18860.38  571.1319002.04  594.6419086.99  608.7119105.18  610.79 19333.5  623.29
19754.95  629.3920171.83  629.4722194.17   623.422304.53   623.422524.33  624.47
22859.48  623.4323804.15  628.0424050.65  635.3625655.48  642.6826021.69  646.15
26426.95  650.8727049.91  666.8627264.41  667.3228331.72  667.3228940.15  664.64
 29202.4  664.6429752.12  657.3229979.76  653.0730144.05  650.4330278.13  643.46
30420.46  643.8330702.03  651.8831010.13   654.532061.74  668.7432697.87  672.49
33624.84  696.7133761.48  697.5134352.38  684.9234385.62  685.1135911.79  715.55
36910.94  719.1937100.04  723.9737437.04  738.6137476.73  739.7137770.34  745.12
38087.94  756.5538239.36  760.7238980.92     79039647.35  794.8739983.42     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517477.48     .1519002.04     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17477.4819002.04                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.81    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508054.00   279325.30   1853631.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508054.00   279325.30   1853631.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2646755.00   765527.00   3317718.00
  Top Width (ft)          36803.54    Top Width (ft)          16076.83    1524.56   19202.14
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.76       2.74       1.79
  Max Chl Dpth (ft)         192.36    Hydr. Depth (ft)           93.80     183.22      96.53
  Conv. Total (cfs)       783713700.0    Conv. (cfs)             308216600.0   89146220.0   386350900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16092.14    1527.49   19206.19
  Min Ch El (ft)            567.39    Shear (lb/sq ft)            0.43       0.84       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.76       2.31       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    63789.41   12077.22   76719.23
  C & E Loss (ft)             0.00    Cum SA (acres)            509.18      53.18     585.41


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274748.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  201.34  791.22  655.05  773.29 1380.05  760.74 1562.48   752.1
 1853.84  745.38  2024.7  742.67    2382  742.67 2723.09  740.68 3639.17  725.45
 3712.44  721.43 3805.54  717.33 3817.08  717.12  4022.8  716.03 4206.32  712.67
 4352.18  709.14 4508.79  704.51 4891.62  695.15 5358.18  689.12  5705.4  686.48
 5854.82  684.98  6017.4  677.26 6087.35  669.76 6457.88  668.87 6814.85  673.23
 6958.86  675.34 7183.82  660.68 7353.97  653.35 7426.75  646.02 7476.85  646.02
 7630.59  651.14 7852.96  661.21 7917.33  662.24 8049.66  667.28 8421.14  668.18
 8470.11  672.53 8628.15  684.85 8927.79  676.38 8942.19  674.86 9118.73  660.89
 9260.52  660.56 9520.46  674.61 9699.11  674.19 9886.27  659.0910076.61  654.71
10224.06  646.3310241.68  645.9710333.36  631.31 10505.4  609.32   10564  609.32
10606.96     61610736.57  644.1810846.63  661.3111243.14  655.0711404.86  649.86
11461.94  646.2911679.55  642.8711937.59  644.1512244.64  639.3212894.02  631.99
14389.55  631.99 14635.7  629.3215268.46  629.3215755.26  636.65 15816.7  643.98
16117.35  638.6916124.48   635.916233.55  633.7716907.51  603.1217481.27  594.66
17586.64  586.8717957.66  585.2518053.39  577.5118204.02  567.3918717.61  567.39
18865.53  571.1319007.36  594.6619092.29  608.7119110.49  610.7919338.78  623.26
19760.18  629.3520177.02  629.4322199.12  623.3522309.47  623.3522529.25  624.42
22864.36  623.3923808.92  628.01 24055.4  635.3425660.04  642.6726026.21  646.15
26431.43  650.8727054.31  666.8727268.79  667.3328335.97  667.3328944.34  664.66
29206.56  664.6629756.22  657.3329983.83  653.07 30148.1  650.4330282.17  643.44
30424.48  643.8130706.02  651.8731014.08  654.4932065.57  668.7132701.63  672.46
 33628.5  696.6233765.12  697.4334355.95   684.934389.19  685.0935915.18  715.46
36914.22  719.11 37103.3  723.9137440.26  738.5437479.95  739.6437773.52  745.07
38091.09   756.538242.49  760.6838983.97     79039650.32  794.8739986.36     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517481.27     .1519007.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17481.2719007.36                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.81    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508035.00   279592.90   1853989.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508035.00   279592.90   1853989.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2645756.00   766076.20   3318168.00
  Top Width (ft)          36807.90    Top Width (ft)          16080.34    1526.09   19201.48
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.75       2.74       1.79
  Max Chl Dpth (ft)         192.36    Hydr. Depth (ft)           93.78     183.21      96.55
  Conv. Total (cfs)       783878400.0    Conv. (cfs)             308165100.0   89228910.0   386484400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16095.67    1529.02   19205.52
  Min Ch El (ft)            567.39    Shear (lb/sq ft)            0.43       0.84       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.76       2.31       0.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    63616.31   12045.14   76506.44
  C & E Loss (ft)             0.00    Cum SA (acres)            507.34      53.01     583.20


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274745.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  201.38  791.22  655.19  773.28 1380.35  760.74 1562.82  752.09
 1854.24  745.37 2025.14  742.66 2382.52  742.66 2723.68  740.67 3639.96  725.47
 3713.24  721.45 3806.36  717.34 3817.91  717.13 4023.67  716.02 4207.23  712.66
 4353.13  709.12 4509.77  704.49 4892.68  695.13 5359.34   689.1 5706.64  686.46
 5856.09  684.96  6018.7  677.23 6088.67  669.72 6459.28  668.84 6816.33  673.21
 6960.37  675.32 7185.38  660.64 7355.56   653.3 7428.36  645.96 7478.47  645.96
 7632.25  651.08 7854.66  661.15 7919.05  662.19 8051.41  667.25 8422.97  668.18
 8471.95  672.55 8630.02  684.91 8929.73  676.47 8944.13  674.95 9120.71  660.97
 9262.53  660.63 9522.52   674.7 9701.21  674.29 9888.41  659.17 10078.8  654.79
10226.28  646.42 10243.9  646.0610335.61  631.3810507.68  609.3610566.29  609.36
10609.26  616.05 10738.9  644.2310848.98  661.3811245.58  655.1311407.33  649.93
11464.42  646.3711682.08  642.9411940.18   644.2 12247.3  639.3612896.82  632.02
14392.68  632.0214638.88  629.3615271.78  629.3615758.68   636.715820.13  644.04
16120.84  638.7516127.98  635.9616237.07  633.8316911.18  603.1417485.06  594.68
17590.57  586.8817962.08  585.2718057.92  577.5218208.76  567.3918722.59  567.39
18870.69  571.1219012.68  594.68 19097.6   608.719115.79  610.7919344.06  623.22
19765.41  629.32 20182.2  629.3922204.08   623.322314.41   623.322534.16  624.38
22869.24  623.36 23813.7  627.9824060.14  635.32 25664.6  642.6626030.73  646.14
 26435.9  650.8727058.71  666.8827273.17  667.3428340.23  667.3428948.53  664.68
29210.72  664.6829760.32  657.34 29987.9  653.0830152.15  650.42 30286.2  643.43
 30428.5   643.8   30710  651.8631018.04  654.4832069.41  668.68 32705.4  672.44
33632.16  696.5433768.77  697.3434359.53  684.8834392.76  685.0735918.58  715.37
 36917.5  719.0437106.56  723.8437443.48  738.4737483.17  739.5737776.71  745.02
38094.24  756.4638245.62  760.6438987.02     79039653.29  794.8839989.29     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517485.06     .1519012.68     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17485.0619012.68                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.81    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508034.00   279859.40   1854324.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508034.00   279859.40   1854324.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2644816.00   766621.60   3318562.00
  Top Width (ft)          36812.18    Top Width (ft)          16083.84    1527.62   19200.73
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.75       2.74       1.79
  Max Chl Dpth (ft)         192.36    Hydr. Depth (ft)           93.76     183.20      96.58
  Conv. Total (cfs)       784041500.0    Conv. (cfs)             308119700.0   89311020.0   386610800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16099.19    1530.55   19204.76
  Min Ch El (ft)            567.39    Shear (lb/sq ft)            0.43       0.84       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.76       2.30       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    63443.21   12013.03   76293.61
  C & E Loss (ft)             0.00    Cum SA (acres)            505.49      52.83     581.00


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274742.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  201.42  791.21  655.34  773.27 1380.65  760.74 1563.16  752.08
 1854.64  745.37 2025.58  742.65 2383.04  742.65 2724.27  740.66 3640.75  725.48
 3714.05  721.46 3807.19  717.35 3818.74  717.14 4024.54  716.02 4208.14  712.65
 4354.07  709.11 4510.75  704.47 4893.74  695.11  5360.5  689.09 5707.88  686.44
 5857.36  684.94 6020.01   677.2 6089.99  669.69 6460.68   668.8 6817.81  673.19
 6961.88   675.3 7186.94   660.6 7357.16  653.25 7429.97   645.9 7480.09   645.9
  7633.9  651.03 7856.36   661.1 7920.77  662.14 8053.16  667.22  8424.8  668.19
 8473.79  672.57  8631.9  684.96 8931.67  676.55 8946.07  675.04 9122.69  661.04
 9264.54  660.71 9524.59   674.8 9703.32  674.38 9890.56  659.2410080.99  654.86
 10228.5  646.5110246.12  646.1510337.85  631.4510509.96   609.410568.59   609.4
10611.56   616.110741.23  644.2810851.34  661.4511248.02   655.211409.81     650
11466.91  646.4511684.62  643.0111942.77  644.2412249.95   639.412899.61  632.05
 14395.8  632.0514642.05   629.415275.09   629.4 15762.1  636.7515823.57   644.1
16124.34   638.816131.48  636.02 16240.6  633.8916914.85  603.1717488.86   594.7
 17594.5  586.8917966.49  585.2918062.46  577.5218213.49  567.3918727.56  567.39
18875.84  571.1219017.99   594.719102.91   608.7 19121.1  610.7819349.34  623.18
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19770.65  629.2820187.38  629.3422209.03  623.2522319.35  623.2522539.08  624.33
22874.12  623.3223818.47  627.9524064.88   635.325669.17  642.6526035.25  646.14
26440.38  650.8627063.12  666.8927277.55  667.3528344.49  667.3528952.72   664.7
29214.88   664.729764.41  657.3529991.97  653.0830156.21  650.4230290.24  643.42
30432.52  643.7830713.99  651.8631021.99  654.4732073.24  668.6532709.16  672.41
33635.81  696.4533772.41  697.26 34363.1  684.8634396.33  685.0535921.98  715.29
36920.79  718.9737109.82  723.7837446.71   738.437486.39   739.537779.89  744.97
38097.39  756.4138248.75   760.638990.07     79039656.27  794.8939992.23     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517488.86     .1519017.99     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17488.8619017.99                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.81    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508028.00   280122.40   1854683.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508028.00   280122.40   1854683.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2643847.00   767153.10   3319000.00
  Top Width (ft)          36816.54    Top Width (ft)          16087.35    1529.13   19200.06
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.75       2.74       1.79
  Max Chl Dpth (ft)         192.36    Hydr. Depth (ft)           93.74     183.19      96.60
  Conv. Total (cfs)       784209200.0    Conv. (cfs)            308072700.0   89392050.0   386744500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16102.72    1532.07   19204.08
  Min Ch El (ft)            567.39    Shear (lb/sq ft)            0.43       0.84       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.75       2.30       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    63270.11   11980.90   76080.74
  C & E Loss (ft)             0.00    Cum SA (acres)            503.65      52.66     578.80


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274739.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  201.47  791.21  655.48  773.26 1380.95  760.73  1563.5  752.07
 1855.05  745.36 2026.02  742.64 2383.56  742.64 2724.86  740.64 3641.54   725.5
 3714.85  721.48 3808.01  717.36 3819.56  717.15 4025.42  716.01 4209.06  712.64
 4355.02  709.09 4511.73  704.46  4894.8  695.09 5361.67  689.07 5709.12  686.42
 5858.63  684.92 6021.31  677.18 6091.31  669.65 6462.08  668.77 6819.29  673.16
 6963.39  675.28  7188.5  660.56 7358.75   653.2 7431.58  645.84 7481.72  645.84
 7635.56  650.98 7858.07  661.05 7922.48   662.1  8054.9  667.19 8426.62   668.2
 8475.62  672.58 8633.77  685.02  8933.6  676.64 8948.01  675.13 9124.67  661.11
 9266.54  660.78 9526.65  674.89 9705.42  674.48  9892.7  659.3210083.17  654.94
10230.72   646.610248.34  646.2410340.09  631.5210512.24  609.4410570.88  609.44
10613.86  616.1510743.56  644.3210853.69  661.5211250.46  655.2611412.28  650.06
 11469.4  646.5211687.15  643.0811945.36  644.2912252.61  639.4412902.41  632.08
14398.92  632.0814645.23  629.44 15278.4  629.4415765.52   636.8   15827  644.16
16127.84  638.8516134.98  636.0916244.12  633.9516918.51   603.217492.65  594.72
17598.43  586.91 17970.9  585.31   18067  577.5318218.22  567.3918732.54  567.39
18880.99  571.1219023.31  594.7219108.21   608.7 19126.4  610.7819354.62  623.15
19775.88  629.2520192.57   629.322213.98   623.222324.29   623.2   22544  624.28
22878.99  623.2823823.24  627.9224069.63  635.2825673.73  642.6426039.77  646.13
26444.85  650.8627067.52   666.927281.93  667.3628348.75  667.3628956.91  664.72
29219.04  664.7229768.51  657.3629996.04  653.0930160.26  650.4230294.28   643.4
30436.54  643.7730717.98  651.8531025.95  654.4732077.08  668.6232712.92  672.39
33639.47  696.3633776.05  697.1734366.68  684.84 34399.9  685.0335925.38   715.2
36924.07   718.937113.09  723.7237449.93  738.3337489.61  739.4337783.08  744.93
38100.54  756.3738251.89  760.5638993.11     79039659.24  794.8939995.16     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517492.65     .1519023.31     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17492.6519023.31                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.81    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508026.00   280384.90   1855015.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508026.00   280384.90   1855015.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2642906.00   767685.70   3319409.00
  Top Width (ft)          36821.02    Top Width (ft)          16091.04    1530.66   19199.31
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.75       2.74       1.79
  Max Chl Dpth (ft)         192.36    Hydr. Depth (ft)           93.72     183.18      96.62
  Conv. Total (cfs)       784367000.0    Conv. (cfs)            308025000.0   89472110.0   386869900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16106.43    1533.60   19203.34
  Min Ch El (ft)            567.39    Shear (lb/sq ft)            0.43       0.84       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.75       2.30       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    63097.02   11948.73   75867.84
  C & E Loss (ft)             0.00    Cum SA (acres)            501.80      52.48     576.59


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274736.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  201.51   791.2  655.62  773.24 1381.25  760.73 1563.84  752.07
 1855.45  745.35 2026.46  742.63 2384.07  742.63 2725.45  740.63 3642.33  725.52
 3715.66  721.49 3808.84  717.37 3820.39  717.16 4026.29     716 4209.97  712.63
 4355.96  709.08 4512.71  704.44 4895.86  695.07 5362.83  689.06 5710.35   686.4
  5859.9  684.91 6022.62  677.15 6092.63  669.61 6463.48  668.74 6820.77  673.14
  6964.9  675.26 7190.06  660.52 7360.35  653.15  7433.2  645.78 7483.34  645.78
 7637.21  650.92 7859.77     661  7924.2  662.05 8056.65  667.17 8428.45   668.2
 8477.46   672.6 8635.64  685.08 8935.54  676.73 8949.95  675.22 9126.64  661.18
```

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 9268.55  660.85 9528.72  674.99 9707.53  674.58 9894.85   659.410085.36  655.01
10232.94   646.710250.56  646.3310342.33  631.5910514.52  609.4810573.17  609.48
10616.17   616.210745.89  644.3710856.04  661.59 11252.9  655.3211414.76  650.13
11471.89   646.611689.68  643.1611947.95  644.3412255.27  639.4812905.21  632.11
14402.04  632.11 14648.4  629.4815281.71  629.4815768.93  636.8515830.43  644.22
16131.33   638.916138.48  636.1516247.64  634.0116922.18  603.2217496.44  594.74
17602.36  586.9217975.32  585.3218071.54  577.5418222.96  567.3918737.52  567.39
18886.14  571.1119028.63  594.7419113.52   608.719131.71  610.78 19359.9  623.11
19781.11  629.2120197.75  629.2622218.94  623.1522329.23  623.1522548.92  624.23
22883.87  623.2523828.01  627.8924074.37  635.2625678.29  642.6326044.29  646.13
26449.32  650.8627071.92  666.9227286.31  667.3728353.01  667.37 28961.1  664.74
29223.19  664.7429772.61  657.3730000.11  653.0930164.31  650.4230298.31  643.39
30440.56  643.7530721.97  651.84 31029.9  654.4632080.91  668.5932716.68  672.37
33643.12  696.2833779.69  697.0934370.25  684.8134403.47  685.0135928.77  715.11
36927.36  718.8337116.35  723.6637453.15  738.2637492.83  739.3737786.27  744.88
38103.69  756.3238255.02  760.5238996.16     79039662.21   794.939998.09     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517496.44     .1519028.63     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17496.4419028.63                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.81    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508011.00   280653.80   1855346.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508011.00   280653.80   1855346.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2641947.00   768245.60   3319808.00
  Top Width (ft)          36825.33    Top Width (ft)          16094.52    1532.19   19198.62
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.75       2.74       1.79
  Max Chl Dpth (ft)         192.36    Hydr. Depth (ft)           93.70     183.17      96.64
  Conv. Total (cfs)       784525200.0    Conv. (cfs)             307975400.0   89555440.0   386994500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16109.92    1535.13   19202.64
  Min Ch El (ft)            567.39    Shear (lb/sq ft)            0.43       0.84       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.75       2.30       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    62923.92   11916.53   75654.89
  C & E Loss (ft)             0.00    Cum SA (acres)            499.95      52.30     574.39


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274733.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  201.55   791.2  655.76  773.23 1381.55  760.73 1564.18  752.06
 1855.85  745.35  2026.9  742.62 2384.59  742.62 2726.04  740.62 3643.12  725.54
 3716.46  721.51 3809.66  717.38 3821.22  717.17 4027.16     716 4210.88  712.62
  4356.9  709.06 4513.69  704.42 4896.92  695.05 5363.99  689.05 5711.59  686.38
 5861.17  684.89 6023.93  677.12 6093.95  669.58 6464.89   668.7 6822.25  673.12
 6966.41  675.24 7191.62  660.48 7361.95   653.1 7434.81  645.72 7484.96  645.72
 7638.87  650.87 7861.48  660.94 7925.92  662.01  8058.4  667.14 8430.28  668.21
  8479.3  672.62 8637.51  685.13 8937.48  676.82 8951.89  675.31 9128.62  661.25
 9270.56  660.92 9530.79  675.08 9709.63  674.67 9896.99  659.4810087.54  655.09
10235.16  646.7910252.79  646.4210344.57  631.6610516.79  609.5210575.46  609.52
10618.47  616.2510748.22  644.42 10858.4  661.6611255.34  655.3811417.23   650.2
11474.37  646.6811692.22  643.2311950.54  644.3812257.92  639.5212908.01  632.14
14405.17  632.1414651.58  629.5215285.03  629.5215772.35   636.915833.86  644.28
16134.83  638.9616141.98  636.2116251.16  634.0716925.85  603.2517500.23  594.76
17606.29  586.9317979.73  585.3418076.08  577.5518227.69  567.39 18742.5  567.39
18891.29  571.1119033.95  594.7619118.83   608.719137.01  610.7719365.18  623.07
19786.34  629.1820202.94  629.2222223.89   623.122334.18   623.122553.83  624.18
22888.75  623.2123832.78  627.8624079.12  635.2425682.85  642.6226048.81  646.12
 26453.8  650.8527076.33  666.9327290.69  667.3828357.26  667.3828965.29  664.76
29227.35  664.76 29776.7  657.3830004.18  653.0930168.36  650.4230302.35  643.38
30444.58  643.7430725.96  651.8431033.85  654.4532084.75  668.5632720.45  672.34
33646.78  696.1933783.33     69734373.82  684.7934407.04  684.9935932.17  715.02
36930.64  718.7637119.61  723.5937456.38  738.1937496.05   739.337789.45  744.83
38106.84  756.2738258.15  760.4838999.21     79039665.19  794.9140001.03     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517500.23     .1519033.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17500.2319033.95                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.81    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1508000.00   280918.20   1855708.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1508000.00   280918.20   1855708.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2640964.00   768777.50   3320259.00
  Top Width (ft)          36829.67    Top Width (ft)          16098.02    1533.72   19197.93
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.75       2.74       1.79
  Max Chl Dpth (ft)         192.36    Hydr. Depth (ft)           93.68     183.16      96.66
  Conv. Total (cfs)       784693000.0    Conv. (cfs)             307926600.0   89636600.0   387129800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16113.45    1536.66   19201.94
  Min Ch El (ft)            567.39    Shear (lb/sq ft)            0.43       0.84       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.75       2.30       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    62750.82   11884.30   75441.91
  C & E Loss (ft)             0.00    Cum SA (acres)            498.10      52.13     572.18


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274730.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
```

```
       0     800   201.6  791.19   655.9  773.22 1381.85  760.73 1564.52  752.05
 1856.25  745.34 2027.34  742.61 2385.11  742.61 2726.63  740.61 3643.91  725.55
 3717.27  721.53 3810.49  717.39 3822.05  717.18 4028.03  715.99 4211.79  712.61
 4357.85  709.05 4514.66  704.41 4897.99  695.03 5365.15  689.03 5712.83  686.37
 5862.44  684.87 6025.23   677.1 6095.27  669.54 6466.29  668.67 6823.72   673.1
 6967.92  675.22 7193.18  660.44 7363.54  653.05 7436.42  645.66 7486.58  645.66
 7640.52  650.82 7863.18  660.89 7927.64  661.96 8060.14  667.11 8432.11  668.22
 8481.14  672.63 8639.38  685.19 8939.42  676.91 8953.83   675.4  9130.6  661.32
 9272.57     661 9532.85  675.18 9711.73  674.77 9899.14  659.5610089.73  655.16
10237.37  646.8810255.01  646.5110346.82  631.7310519.07  609.5610577.76  609.56
10620.77   616.310750.55  644.4610860.75  661.7311257.78  655.4411419.71  650.27
11476.86  646.7511694.75   643.311953.13  644.4312260.58  639.5612910.81  632.17
14408.29  632.1714654.76  629.5615288.34  629.5615775.77  636.9515837.29  644.34
16138.33  639.0116145.47  636.2716254.69  634.1316929.52  603.2717504.03  594.78
17610.22  586.9417984.14  585.3618080.61  577.5618232.43  567.3918747.48  567.39
18896.44   571.119039.26  594.7819124.14   608.719142.32  610.7719370.46  623.04
19791.57  629.1420208.12  629.1822228.85  623.0522339.12  623.0522558.75  624.13
22893.63  623.1723837.55  627.8324083.86  635.2225687.41  642.6126053.33  646.12
26458.27  650.8527080.73  666.9427295.06  667.3928361.52  667.3928969.47  664.78
29231.51  664.78 29780.8  657.3930008.25   653.130172.41  650.4230306.39  643.37
 30448.6  643.7330729.95  651.8331037.81  654.4432088.58  668.5332724.21  672.32
33650.44   696.133786.97  696.92 34377.4  684.7734410.61  684.9735935.57  714.93
36933.93  718.6937122.88  723.53 37459.6  738.1237499.27  739.2337792.64  744.78
38109.99  756.2338261.29  760.4439002.26     79039668.16  794.9140003.96     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517504.03     .1519039.26     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17504.0319039.26                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.81    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507995.00   281181.40   1856047.00
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            1507995.00   281181.40   1856047.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2640018.00   769313.60   3320668.00
  Top Width (ft)          36833.95    Top Width (ft)          16101.53    1535.23   19197.19
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.75       2.74       1.79
  Max Chl Dpth (ft)         192.36    Hydr. Depth (ft)           93.66     183.15      96.68
  Conv. Total (cfs)       784855300.0    Conv. (cfs)             307880000.0   89717660.0   387257700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16116.98    1538.17   19201.19
  Min Ch El (ft)            567.39    Shear (lb/sq ft)            0.43       0.84       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.75       2.30       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    62577.73   11852.04   75228.88
  C & E Loss (ft)             0.00    Cum SA (acres)            496.26      51.95     569.98


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274727.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  201.64  791.19  656.05  773.21 1382.15  760.72 1564.85  752.04
 1856.66  745.34 2027.78   742.6 2385.62   742.6 2727.22  740.59  3644.7  725.57
 3718.07  721.54 3811.32   717.4 3822.88  717.19 4028.91  715.99 4212.71   712.6
 4358.79  709.03 4515.64  704.39 4899.05  695.01 5366.32  689.02 5714.07  686.35
 5863.71  684.85 6026.54  677.07 6096.59   669.5 6467.69  668.64  6825.2  673.07
 6969.43   675.2 7194.74   660.4 7365.14     653 7438.03   645.6  7488.2   645.6
 7642.18  650.77 7864.88  660.84 7929.36  661.92 8061.89  667.09 8433.93  668.23
 8482.97  672.65 8641.26  685.25 8941.35     677 8955.77  675.48 9132.58   661.4
 9274.58  661.07 9534.92  675.27 9713.84  674.87 9901.28  659.6410091.92  655.24
10239.59  646.9710257.23  646.610349.06   631.810521.35   609.610580.05   609.6
10623.07  616.3510752.88  644.51 10863.1   661.811260.22   655.511422.18  650.34
11479.35  646.8311697.29  643.3711955.72  644.4812263.24   639.6 12913.6   632.2
14411.41   632.214657.93   629.615291.65   629.615779.19    63715840.72   644.4
16141.83  639.0616148.97  636.3416258.21  634.1916933.19   603.317507.82   594.8
17614.15  586.9517988.55  585.3818085.15  577.5718237.16  567.3918752.46  567.39
 18901.6   571.119044.58   594.819129.45  608.6919147.62  610.7719375.73     623
 19796.8  629.11 20213.3  629.14 22233.8     62322344.06    62322563.67  624.08
22898.51  623.1423842.33   627.8 24088.6   635.225691.97   642.626057.85  646.11
26462.75  650.8527085.13  666.9527299.44   667.428365.78   667.428973.66   664.8
29235.67   664.8 29784.9   657.430012.32   653.130176.46  650.4130310.42  643.35
30452.62  643.7130733.94  651.8231041.76  654.4432092.41   668.532727.97  672.29
 33654.1  696.0233790.61  696.8334380.97  684.7534414.18  684.9535938.96  714.85
36937.21  718.6137126.14  723.4737462.83  738.0537502.49  739.1637795.82  744.74
38113.14  756.1838264.42   760.439005.31     79039671.13  794.92 40006.9     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517507.82     .1519044.58     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17507.8219044.58                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.80    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507982.00   281446.30   1856379.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507982.00   281446.30   1856379.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2639054.00   769859.10   3321087.00
  Top Width (ft)          36838.46    Top Width (ft)          16105.22    1536.76   19196.48
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.75       2.74       1.79
  Max Chl Dpth (ft)         192.36    Hydr. Depth (ft)           93.63     183.14      96.70
  Conv. Total (cfs)       785010000.0    Conv. (cfs)             307828200.0   89798980.0   387382800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16120.68    1539.71   19200.48
  Min Ch El (ft)            567.39    Shear (lb/sq ft)            0.43       0.84       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.75       2.29       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    62404.64   11819.75   75015.82
  C & E Loss (ft)             0.00    Cum SA (acres)            494.41      51.78     567.78


CROSS SECTION
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RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274724.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  201.69  791.18  656.19  773.19 1382.45  760.72 1565.19  752.04
 1857.06  745.33 2028.22  742.59 2386.14  742.59 2727.81  740.58 3645.49  725.59
 3718.88  721.56 3812.14  717.41  3823.7   717.2 4029.78  715.98 4213.62  712.59
 4359.74  709.02 4516.62  704.37 4900.11  694.99 5367.48     689 5715.31  686.33
 5864.98  684.83 6027.84  677.04 6097.91  669.47 6469.09   668.6 6826.68  673.05
 6970.94  675.18 7196.29  660.36 7366.73  652.95 7439.64  645.54 7489.83  645.54
 7643.83  650.71 7866.59  660.78 7931.07  661.87 8063.64  667.06 8435.76  668.23
 8484.81  672.67 8643.13   685.3 8943.29  677.08 8957.71  675.57 9134.56  661.47
 9276.59  661.14 9536.98  675.37 9715.94  674.96 9903.43  659.71 10094.1  655.31
10241.81  647.0610259.45  646.69 10351.3  631.8710523.63  609.6410582.34  609.64
10625.37   616.410755.21  644.5610865.46  661.8711262.66  655.5711424.66   650.4
11481.83  646.9111699.82  643.4511958.31  644.5212265.89  639.64 12916.4  632.23
14414.53  632.2314661.11  629.6415294.96  629.6415782.61  637.0515844.16  644.46
16145.32  639.1216152.47   636.416261.73  634.2516936.86  603.3317511.61  594.82
17618.08  586.9617992.97   585.418089.69  577.5818241.89  567.3818757.44  567.38
18906.75  571.09 19049.9  594.8219134.75  608.6919152.93  610.7619381.01  622.96
19802.04  629.0720218.49  629.0922238.76  622.95   22349  622.9522568.58  624.04
22903.39   623.1 23847.1  627.7724093.35  635.1825696.54  642.5926062.37  646.11
26467.22  650.8427089.54  666.9627303.82  667.4128370.04  667.4128977.85  664.82
29239.83  664.8229788.99  657.4130016.39  653.1130180.52  650.4130314.46  643.34
30456.64   643.730737.92  651.8231045.71  654.4332096.25  668.4732731.73  672.27
33657.75  695.9333794.26  696.7534384.55  684.7334417.75  684.9335942.36  714.76
36940.49  718.54 37129.4   723.437466.05  737.9837505.71  739.0937799.01  744.69
38116.29  756.1438267.55  760.3639008.36     79039674.11  794.9340009.84     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517511.61     .15 19049.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17511.61 19049.9                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.80    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507978.00   281719.40   1856734.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507978.00   281719.40   1856734.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2638078.00   770421.90   3321500.00
  Top Width (ft)          36842.70    Top Width (ft)          16108.70    1538.29   19195.71
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.75       2.73       1.79
  Max Chl Dpth (ft)         192.37    Hydr. Depth (ft)           93.61     183.14      96.73
  Conv. Total (cfs)       785183600.0    Conv. (cfs)            307782400.0   89884500.0   387516700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16124.18    1541.24   19199.71
  Min Ch El (ft)            567.38    Shear (lb/sq ft)            0.43       0.84       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.75       2.29       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    62231.54   11787.43   74802.72
  C & E Loss (ft)             0.00    Cum SA (acres)            492.56      51.60     565.57


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274721.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  201.73  791.18  656.33  773.18 1382.75  760.72 1565.53  752.03
 1857.46  745.32 2028.66  742.58 2386.66  742.58  2728.4  740.57 3646.28   725.6
 3719.69  721.57 3812.97  717.42 3824.53  717.21 4030.65  715.98 4214.53  712.58
 4360.68     709  4517.6  704.36 4901.17  694.97 5368.64  688.99 5716.54  686.31
 5866.25  684.81 6029.15  677.01 6099.23  669.43 6470.49  668.57 6828.16  673.03
 6972.45  675.16 7197.85  660.32 7368.33   652.9 7441.25  645.48 7491.45  645.48
 7645.49  650.66 7868.29  660.73 7932.79  661.82 8065.38  667.03 8437.59  668.24
 8486.65  672.69    8645  685.36 8945.23  677.17 8959.65  675.66 9136.54  661.54
  9278.6  661.22 9539.05  675.46 9718.05  675.06 9905.57  659.7910096.29  655.39
10244.03  647.1510261.68  646.7810353.54  631.9410525.91  609.6810584.63  609.68
10627.67  616.4510757.54   644.610867.81  661.94 11265.1  655.6311427.13  650.47
11484.32  646.9811702.35  643.52 11960.9  644.5712268.55  639.68 12919.2  632.26
14417.65  632.2614664.28  629.6815298.28  629.6815786.03   637.115847.59  644.52
16148.82  639.1716155.97  636.4616265.25  634.3116940.53  603.3517515.41  594.84
17622.01  586.9817997.38  585.4118094.23  577.5918246.63  567.3818762.42  567.38
 18911.9  571.0919055.21  594.8419140.06  608.6919158.23  610.7619386.29  622.93
19807.27  629.0420223.67  629.0522243.71   622.922353.95   622.9 22573.5  623.99
22908.27  623.0723851.87  627.7424098.09  635.16 25701.1  642.5826066.89   646.1
26471.69  650.8427093.94  666.97 27308.2  667.4228374.29  667.4228982.04  664.84
29243.99  664.8429793.09  657.4230020.47  653.1130184.57  650.41 30318.5  643.33
30460.67  643.6830741.91  651.8131049.67  654.4232100.08  668.4432735.49  672.25
33661.41  695.84 33797.9  696.6634388.12  684.7134421.32  684.9135945.76  714.67
36943.77  718.4737132.66  723.3437469.27  737.9137508.93  739.02 37802.2  744.64
38119.44  756.0938270.68  760.3239011.41     79039677.08  794.9340012.77     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517515.41     .1519055.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17515.4119055.21                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.80    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507973.00   281980.60   1857076.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507973.00   281980.60   1857076.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2637134.00   770950.30   3321916.00
  Top Width (ft)          36847.01    Top Width (ft)          16112.21    1539.80   19195.00
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.75       2.73       1.79
  Max Chl Dpth (ft)         192.37    Hydr. Depth (ft)           93.59     183.13      96.75
  Conv. Total (cfs)       785345500.0    Conv. (cfs)            307735700.0   89964690.0   387645100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16127.72    1542.75   19198.99
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  Min Ch El (ft)            567.38    Shear (lb/sq ft)            0.43       0.84       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.75       2.29       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    62058.45   11755.08   74589.58
  C & E Loss (ft)             0.00    Cum SA (acres)            490.71      51.42     563.37


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274718.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  201.77  791.17  656.47  773.17 1383.04  760.71 1565.87  752.02
 1857.86  745.32  2029.1  742.57 2387.17  742.57    2729  740.55 3647.07  725.62
 3720.49  721.59 3813.79  717.43 3825.36  717.22 4031.53  715.97 4215.44  712.57
 4361.63  708.99 4518.58  704.34 4902.23  694.95 5369.81  688.97 5717.78  686.29
 5867.52  684.79 6030.45  676.99 6100.55   669.4 6471.89  668.54 6829.64     673
 6973.96  675.14 7199.41  660.28 7369.92  652.85 7442.87  645.42 7493.07  645.42
 7647.15  650.61 7869.99  660.68 7934.51  661.78 8067.13     667 8439.42  668.25
 8488.49   672.7 8646.87  685.42 8947.16  677.26 8961.59  675.75 9138.52  661.61
 9280.61  661.29 9541.11  675.56 9720.15  675.16 9907.72  659.8710098.48  655.46
10246.25  647.24 10263.9  646.8710355.78  632.0110528.19  609.7210586.92  609.72
10629.97   616.510759.87  644.6510870.16  662.0111267.54  655.6911429.61  650.54
11486.81  647.0611704.89  643.5911963.49  644.6212271.21  639.72   12922  632.29
14420.78  632.2914667.46  629.7215301.59  629.7215789.45  637.1515851.02  644.58
16152.32  639.2216159.47  636.5216268.78  634.3716944.19  603.38 17519.2  594.86
17625.94  586.9918001.79  585.4318098.77   577.618251.36  567.38 18767.4  567.38
18917.05  571.0919060.53  594.8619145.37  608.6919163.54  610.7619391.57  622.89
 19812.5     62920228.86  629.0122248.67  622.8522358.89  622.8522578.42  623.94
22913.15  623.0323856.64  627.7124102.83  635.1425705.66  642.5726071.41   646.1
26476.17  650.8427098.34  666.9927312.58  667.4328378.55  667.4328986.23  664.86
29248.15  664.8629797.19  657.4330024.54  653.1130188.62  650.4130322.53  643.31
30464.69  643.67 30745.9   651.831053.62  654.4132103.92  668.4232739.26  672.22
33665.07  695.7633801.54  696.58 34391.7  684.6934424.89  684.8935949.16  714.58
36947.06   718.437135.93  723.28 37472.5  737.8437512.15  738.9537805.38  744.59
38122.59  756.0538273.82  760.2839014.46     79039680.05  794.94 40015.7     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 17519.2     .1519060.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       17519.219060.53                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.80    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507963.00   282245.30   1857410.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507963.00   282245.30   1857410.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2636174.00   771491.80   3322335.00
  Top Width (ft)          36851.48    Top Width (ft)          16115.90    1541.33   19194.24
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.75       2.73       1.79
  Max Chl Dpth (ft)         192.37    Hydr. Depth (ft)           93.57     183.12      96.77
  Conv. Total (cfs)       785502700.0    Conv. (cfs)             307685200.0   90045900.0   387771600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16131.43    1544.28   19198.22
  Min Ch El (ft)            567.38    Shear (lb/sq ft)            0.43       0.84       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.75       2.29       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    61885.36   11722.69   74376.40
  C & E Loss (ft)             0.00    Cum SA (acres)            488.86      51.25     561.17


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274716.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  201.82  791.17  656.61  773.16 1383.34  760.71 1566.21  752.01
 1858.26  745.31 2029.54  742.56 2387.69  742.56 2729.59  740.54 3647.86  725.64
  3721.3   721.6 3814.62  717.44 3826.19  717.23  4032.4  715.97 4216.36  712.56
 4362.57  708.97 4519.56  704.32 4903.29  694.93 5370.97  688.96 5719.02  686.27
 5868.79  684.78 6031.76  676.96 6101.87  669.36 6473.29   668.5 6831.12  672.98
 6975.47  675.12 7200.97  660.24 7371.52   652.8 7444.48  645.36 7494.69  645.36
  7648.8  650.55  7871.7  660.63 7936.23  661.73 8068.88  666.98 8441.24  668.25
 8490.33  672.72 8648.74  685.47  8949.1  677.35 8963.53  675.84 9140.49  661.68
 9282.62  661.36 9543.18  675.66 9722.26  675.25 9909.86  659.9510100.66  655.54
10248.46  647.3310266.12  646.9610358.03  632.0810530.47  609.7610589.22  609.76
10632.28  616.54 10762.2   644.710872.52  662.0811269.97  655.7511432.08  650.61
11489.29  647.1411707.42  643.6611966.08  644.6612273.86  639.7612924.79  632.32
 14423.9  632.3214670.63  629.76 15304.9  629.7615792.86   637.215854.45  644.64
16155.81  639.2716162.97  636.59 16272.3  634.4316947.86   603.417522.99  594.88
17629.87     58718006.21  585.45 18103.3  577.61 18256.1  567.3818772.38  567.38
 18922.2  571.0819065.85  594.8819150.67  608.6919168.85  610.7619396.85  622.85
19817.73  628.9720234.04  628.9722253.62   622.822363.83   622.822583.34  623.89
22918.03  622.9923861.41  627.6824107.58  635.1225710.22  642.5626075.93  646.09
26480.64  650.8327102.75     66727316.96  667.4428382.81  667.4428990.42  664.88
29252.31  664.8829801.28  657.4430028.61  653.1230192.67  650.4130326.57   643.3
30468.71  643.6530749.89  651.7931057.58  654.4132107.75  668.3932743.02   672.2
33668.72  695.6733805.18  696.4934395.27  684.6734428.46  684.8735952.55  714.49
36950.34  718.3337139.19  723.2237475.72  737.7737515.37  738.8837808.57  744.55
38125.74     75638276.95  760.24 39017.5     79039683.02  794.9540018.64     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517522.99     .1519065.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17522.9919065.85                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.80    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
```

```
  Crit W.S. (ft)                      Flow Area (sq ft)       1507963.00   282511.30   1857752.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507963.00   282511.30   1857752.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2635231.00   772030.40   3322739.00
  Top Width (ft)          36855.78    Top Width (ft)          16119.41    1542.86   19193.51
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.75       2.73       1.79
  Max Chl Dpth (ft)         192.37    Hydr. Depth (ft)           93.55     183.11      96.79
  Conv. Total (cfs)       785668500.0    Conv. (cfs)             307640200.0   90127780.0   387900600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16134.95    1545.82   19197.49
  Min Ch El (ft)            567.38    Shear (lb/sq ft)            0.43       0.84       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.75       2.29       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    61712.27   11690.28   74163.18
  C & E Loss (ft)             0.00    Cum SA (acres)            487.01      51.07     558.96


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274713.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  201.86  791.17  656.76  773.14 1383.64  760.71 1566.55     752
 1858.67   745.3 2029.98  742.55 2388.21  742.55 2730.18  740.53 3648.65  725.66
  3722.1  721.62 3815.44  717.45 3827.02  717.24 4033.27  715.96 4217.27  712.55
 4363.52  708.96 4520.53  704.31 4904.35  694.92 5372.13  688.94 5720.26  686.26
 5870.06  684.76 6033.07  676.93  6103.2  669.32 6474.69  668.47  6832.6  672.96
 6976.98   675.1 7202.53   660.2 7373.11  652.75 7446.09   645.3 7496.32   645.3
 7650.46   650.5  7873.4  660.57 7937.94  661.69 8070.62  666.95 8443.07  668.26
 8492.16  672.74 8650.62  685.53 8951.04  677.44 8965.47  675.93 9142.47  661.75
 9284.63  661.43 9545.25  675.75 9724.36  675.35 9912.01  660.0310102.85  655.61
10250.68  647.4210268.34  647.0510360.27  632.1510532.75   609.810591.51   609.8
10634.58  616.5910764.53  644.7410874.87  662.1511272.41  655.8111434.55  650.68
11491.78  647.2111709.96  643.7311968.67  644.7112276.52   639.812927.59  632.35
14427.02  632.3514673.81   629.815308.22   629.815796.28  637.2515857.88   644.7
16159.31  639.3316166.47  636.6516275.82  634.4916951.53  603.4317526.79   594.9
 17633.8  587.0118010.62  585.4718107.84  577.6218260.83  567.3818777.36  567.38
18927.35  571.0819071.16   594.919155.98  608.6919174.15  610.7519402.13  622.82
19822.96  628.9320239.22  628.9322258.58  622.7522368.77  622.7522588.25  623.84
22922.91  622.9623866.19  627.6524112.32   635.125714.78  642.5526080.45  646.09
26485.12  650.8327107.15  667.0127321.34  667.4528387.07  667.4528994.61   664.9
29256.46   664.929805.38  657.4530032.68  653.1230196.72  650.4130330.61  643.29
30472.73  643.6430753.88  651.7931061.53   654.432111.59  668.3632746.78  672.17
33672.38  695.5933808.82  696.4134398.84  684.6534432.04  684.8535955.95  714.41
36953.62  718.2637142.45  723.1537478.95   737.737518.59  738.8237811.76   744.5
38128.89  755.9538280.09   760.239020.55     790   39686  794.9540021.57     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517526.79    .1519071.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17526.7919071.16                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.80    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507945.00   282772.90   1858077.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507945.00   282772.90   1858077.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2634284.00   772568.00   3323149.00
  Top Width (ft)          36860.09    Top Width (ft)          16122.92    1544.37   19192.80
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.75       2.73       1.79
  Max Chl Dpth (ft)         192.37    Hydr. Depth (ft)           93.53     183.10      96.81
  Conv. Total (cfs)       785820800.0    Conv. (cfs)             307589200.0   90208020.0   388023600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16138.48    1547.33   19196.76
  Min Ch El (ft)            567.38    Shear (lb/sq ft)            0.43       0.84       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.75       2.29       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    61539.18   11657.84   73949.92
  C & E Loss (ft)             0.00    Cum SA (acres)            485.16      50.89     556.76


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274710.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   201.9  791.16   656.9  773.13 1383.94  760.71 1566.89     752
 1859.07   745.3 2030.42  742.54 2388.72  742.54 2730.77  740.52 3649.44  725.67
 3722.91  721.63 3816.27  717.46 3827.85  717.25 4034.14  715.96 4218.18  712.54
 4364.46  708.94 4521.51  704.29 4905.42   694.9 5373.29  688.93  5721.5  686.24
 5871.33  684.74 6034.37  676.91 6104.52  669.29  6476.1  668.44 6834.08  672.94
 6978.49  675.08 7204.09  660.16 7374.71   652.7  7447.7  645.24 7497.94  645.24
 7652.11  650.45 7875.11  660.52 7939.66  661.64 8072.37  666.92  8444.9  668.27
    8494  672.75 8652.49  685.59 8952.97  677.53 8967.41  676.01 9144.45  661.82
 9286.64  661.51 9547.31  675.85 9726.47  675.45 9914.15  660.1110105.04  655.68
 10252.9  647.5110270.56  647.1410362.51  632.2210535.03  609.84 10593.8  609.84
10636.88  616.6410766.86  644.7910877.22  662.2211274.85  655.8711437.03  650.74
11494.27  647.2911712.49  643.8111971.26  644.7612279.18  639.8412930.39  632.38
14430.14  632.3814676.99  629.8415311.53  629.84 15799.7   637.315861.32  644.76
16162.81  639.3816169.96  636.7116279.34  634.56 16955.2  603.4517530.58  594.92
17637.73  587.0218015.04  585.4818112.38  577.6318265.56  567.3818782.33  567.38
 18932.5  571.0719076.48  594.9219161.29  608.6819179.46  610.7519407.41  622.78
19828.19   628.920244.41  628.8922263.53   622.722373.71   622.722593.17  623.79
22927.79  622.9223870.96  627.6224117.07  635.0825719.34  642.5426084.97  646.08
26489.59  650.8327111.55  667.0227325.72  667.4628391.33  667.4628998.79  664.92
29260.62  664.9229809.48  657.4630036.75  653.1330200.78   650.430334.64  643.28
30476.75  643.6330757.87  651.7831065.48  654.3932115.42  668.3332750.54  672.15
33676.04   695.533812.46  696.3234402.42  684.6334435.61  684.8335959.35  714.32
36956.91  718.1837145.71  723.0937482.17  737.6337521.81  738.7537814.94  744.45
38132.04  755.9138283.22  760.16 39023.6     79039688.97  794.9640024.51     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517530.58    .1519076.48     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17530.5819076.48                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.80    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507925.00   283041.20   1858427.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507925.00   283041.20   1858427.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2633295.00   773118.30   3323587.00
  Top Width (ft)          36864.31    Top Width (ft)          16126.39    1545.90   19192.02
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.75       2.73       1.79
  Max Chl Dpth (ft)         192.37    Hydr. Depth (ft)           93.51     183.09      96.83
  Conv. Total (cfs)       785985200.0    Conv. (cfs)             307538000.0   90291160.0   388156000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16141.98    1548.86   19195.98
  Min Ch El (ft)            567.38    Shear (lb/sq ft)            0.43       0.84       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.75       2.28       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    61366.10   11625.37   73736.63
  C & E Loss (ft)             0.00    Cum SA (acres)            483.31      50.71     554.56


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274707.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  201.95  791.16  657.04  773.12 1384.24   760.7 1567.23  751.99
 1859.47  745.29 2030.85  742.53 2389.24  742.53 2731.36   740.5 3650.23  725.69
 3723.71  721.65  3817.1  717.47 3828.67  717.25 4035.02  715.95  4219.1  712.53
  4365.4  708.93 4522.49  704.27 4906.48  694.88 5374.46  688.91 5722.73  686.22
  5872.6  684.72 6035.68  676.88 6105.84  669.25  6477.5   668.4 6835.55  672.91
    6980  675.06 7205.65  660.12 7376.31  652.65 7449.31  645.18 7499.56  645.18
 7653.77  650.39 7876.81  660.47 7941.38  661.59 8074.12  666.89 8446.72  668.27
 8495.84  672.77 8654.36  685.65 8954.91  677.62 8969.35   676.1 9146.43   661.9
 9288.65  661.58 9549.38  675.94 9728.57  675.54  9916.3  660.1810107.22  655.76
10255.12   647.610272.79  647.2310364.75  632.2910537.31  609.8810596.09  609.88
10639.18  616.6910769.19  644.8410879.58  662.2911277.29  655.93 11439.5  650.81
11496.76  647.3711715.03  643.8811973.85   644.812281.83  639.8812933.19  632.41
14433.26  632.4114680.16  629.8815314.84  629.8815803.12  637.3515864.75  644.82
16166.31  639.4316173.46  636.7716282.86  634.6216958.87  603.4817534.37  594.94
17641.66  587.0318019.45   585.518116.92  577.64 18270.3  567.3818787.31  567.38
18937.66  571.07 19081.8  594.94 19166.6  608.6819184.76  610.7519412.69  622.74
19833.43  628.8620249.59  628.8422268.49  622.6522378.66  622.6522598.09  623.74
22932.66  622.8823875.73  627.5924121.81  635.06 25723.9  642.5326089.49  646.08
26494.06  650.8327115.96  667.03 27330.1  667.4728395.58  667.4729002.98  664.94
29264.78  664.9429813.57  657.4730040.82  653.1330204.83   650.430338.68  643.26
30480.77  643.6130761.86  651.7731069.44  654.3832119.25   668.3 32754.3  672.13
 33679.7  695.4133816.11  696.2334405.99  684.6134439.18  684.8135962.75  714.23
 36960.2  718.1137148.97  723.0337485.39  737.5637525.03  738.6837818.13   744.4
38135.19  755.8638286.35  760.1239026.65     79039691.95  794.9740027.45     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517534.37     .15 19081.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17534.37 19081.8                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.80    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507935.00   283306.20   1858791.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507935.00   283306.20   1858791.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2632337.00   773642.80   3324021.00
  Top Width (ft)          36868.79    Top Width (ft)          16130.08    1547.43   19191.27
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.75       2.73       1.79
  Max Chl Dpth (ft)         192.37    Hydr. Depth (ft)           93.49     183.08      96.86
  Conv. Total (cfs)       786159500.0    Conv. (cfs)             307494300.0   90372450.0   388292800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16145.69    1550.39   19195.23
  Min Ch El (ft)            567.38    Shear (lb/sq ft)            0.43       0.84       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.75       2.28       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    61193.01   11592.86   73523.29
  C & E Loss (ft)             0.00    Cum SA (acres)            481.46      50.54     552.36


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274704.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  201.99  791.15  657.18  773.11 1384.54   760.7 1567.57  751.98
 1859.87  745.29 2031.29  742.52 2389.76  742.52 2731.95  740.49 3651.02  725.71
 3724.52  721.67 3817.92  717.48  3829.5  717.26 4035.89  715.95 4220.01  712.52
 4366.35  708.91 4523.47  704.26 4907.54  694.86 5375.62   688.9 5723.97   686.2
 5873.87   684.7 6036.98  676.85 6107.16  669.21  6478.9  668.37 6837.03  672.89
 6981.51  675.04 7207.21  660.08  7377.9   652.6 7450.92  645.12 7501.18  645.12
 7655.42  650.34 7878.51  660.41  7943.1  661.55 8075.86  666.87 8448.55  668.28
 8497.68  672.79 8656.23   685.7 8956.85   677.7 8971.29  676.19 9148.41  661.97
 9290.66  661.65 9551.44  676.04 9730.67  675.64 9918.44  660.2610109.41  655.83
10257.34  647.6910275.01  647.32   10367  632.3610539.59  609.9210598.38  609.92
10641.48  616.7410771.52  644.8810881.93  662.3611279.73     65611441.98  650.88
11499.24  647.4411717.56  643.9511976.44  644.8512284.49  639.9212935.98  632.44
14436.39  632.4414683.34  629.9215318.16  629.9215806.54   637.415868.18  644.88
 16169.8  639.4916176.96  636.8416286.39  634.6816962.54  603.5117538.16  594.96
17645.59  587.0518023.86  585.5218121.46  577.6518275.03  567.3818792.29  567.38
18942.81  571.0619087.12  594.96 19171.9  608.6819190.07  610.7419417.97  622.71
19838.66  628.8320254.78   628.822273.44   622.6 22383.6   622.6   22603   623.7
22937.54  622.85 23880.5  627.5624126.55  635.0425728.47  642.5226094.01  646.07
26498.54  650.8227120.36  667.0527334.48  667.4828399.84  667.4829007.17  664.96
29268.94  664.9629817.67  657.4830044.89  653.1430208.88   650.430342.72  643.25
30484.79   643.630765.85  651.7731073.39  654.3832123.09  668.2732758.07   672.1
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33683.35  695.3333819.75  696.1534409.57  684.5934442.75  684.7935966.14  714.14
36963.48  718.0437152.23  722.9637488.62  737.4937528.25  738.6137821.32  744.36
38138.34  755.8238289.48  760.08 39029.7     79039694.92  794.9740030.38     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517538.16     .1519087.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17538.1619087.12                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.80    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507911.00   283569.40   1859113.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507911.00   283569.40   1859113.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2631381.00   774183.90   3324435.00
  Top Width (ft)          36873.03    Top Width (ft)          16133.58    1548.96   19190.49
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.75       2.73       1.79
  Max Chl Dpth (ft)         192.37    Hydr. Depth (ft)           93.46     183.07      96.88
  Conv. Total (cfs)       786309800.0    Conv. (cfs)            307441400.0   90452950.0   388415400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16149.21    1551.92   19194.44
  Min Ch El (ft)            567.38    Shear (lb/sq ft)            0.43       0.84       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.75       2.28       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    61019.93   11560.33   73309.91
  C & E Loss (ft)             0.00    Cum SA (acres)            479.61      50.36     550.15


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274701.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  202.04  791.15  657.33   773.1 1384.84   760.7 1567.91  751.97
 1860.28  745.28 2031.73  742.51 2390.27  742.51 2732.54  740.48 3651.81  725.72
 3725.32  721.68 3818.75  717.49 3830.33  717.27 4036.76  715.94 4220.92  712.51
 4367.29   708.9 4524.45  704.24  4908.6  694.84 5376.78  688.88 5725.21  686.18
 5875.14  684.68 6038.29  676.82 6108.48  669.18  6480.3  668.34 6838.51  672.87
 6983.02  675.02 7208.76  660.04  7379.5  652.55 7452.53  645.06 7502.81  645.06
 7657.08  650.29 7880.22  660.36 7944.82   661.5 8077.61  666.84 8450.38  668.29
 8499.51  672.81  8658.1  685.76 8958.79  677.79 8973.23  676.28 9150.39  662.04
 9292.67  661.73 9553.51  676.13 9732.78  675.74 9920.59  660.3410111.59  655.91
10259.56  647.7810277.23  647.4110369.24  632.4310541.87  609.9610600.68  609.96
10643.78  616.7910773.85  644.9310884.28  662.4311282.17  656.0611444.45  650.95
11501.73  647.5211720.09  644.0211979.03   644.912287.15  639.9612938.78  632.47
14439.51  632.4714686.51  629.9615321.47  629.9615809.96  637.4515871.61  644.94
 16173.3  639.5416180.46   636.916289.91  634.7416966.21  603.5317541.96  594.98
17649.52  587.0618028.28  585.5418125.99  577.6618279.77  567.3818797.27  567.38
18947.96  571.0619092.43  594.9819177.21  608.6819195.37  610.7419423.25  622.67
19843.89  628.7920259.96  628.7622278.39  622.5522388.54  622.5522607.92  623.65
22942.42  622.8123885.27  627.53 24131.3  635.0225733.03  642.5126098.53  646.07
26503.01  650.8227124.76  667.0627338.86  667.49 28404.1  667.4929011.36  664.98
 29273.1  664.9829821.77  657.4930048.96  653.1430212.93   650.430346.75  643.24
30488.81  643.5830769.83  651.7631077.34  654.3732126.92  668.2432761.83  672.08
33687.01  695.2433823.39  696.0634413.14  684.5734446.32  684.7735969.54  714.05
36966.76  717.97 37155.5   722.937491.84  737.4237531.47  738.54 37824.5  744.31
38141.49  755.7738292.62  760.0439032.75     79039697.89  794.9840033.32     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517541.96     .1519092.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17541.9619092.43                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.80    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507907.00   283830.50   1859463.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507907.00   283830.50   1859463.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2630430.00   774705.60   3324864.00
  Top Width (ft)          36877.32    Top Width (ft)          16137.10    1550.47   19189.75
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.74       2.73       1.79
  Max Chl Dpth (ft)         192.37    Hydr. Depth (ft)           93.44     183.06      96.90
  Conv. Total (cfs)       786475800.0    Conv. (cfs)            307395200.0   90533020.0   388547600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16152.75    1553.44   19193.70
  Min Ch El (ft)            567.38    Shear (lb/sq ft)            0.43       0.84       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.74       2.28       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    60846.84   11527.76   73096.50
  C & E Loss (ft)             0.00    Cum SA (acres)            477.75      50.18     547.95


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274698.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  202.08  791.14  657.47  773.08 1385.14  760.69 1568.25  751.96
 1860.68  745.27 2032.17   742.5 2390.79   742.5 2733.13  740.47  3652.6  725.74
 3726.13   721.7 3819.57   717.5 3831.16  717.28 4037.64  715.93 4221.83   712.5
 4368.24  708.88 4525.43  704.22 4909.66  694.82 5377.94  688.87 5726.45  686.16
 5876.41  684.66 6039.59   676.8  6109.8  669.14  6481.7   668.3 6839.99  672.84
 6984.53     675 7210.32     660 7381.09   652.5 7454.15     645 7504.43     645
 7658.74  650.24 7881.92  660.31 7946.53  661.46 8079.36  666.81 8452.21  668.29
 8501.35  672.82 8659.98  685.82 8960.72  677.88 8975.17  676.37 9152.37  662.11
 9294.67   661.8 9555.57  676.23 9734.88  675.83 9922.73  660.4210113.78  655.98
10261.78  647.8710279.45   647.510371.48   632.510544.15     61010602.97     610
10646.08  616.8410776.18  644.9810886.64   662.511284.61  656.1211446.93  651.02
11504.22   647.611722.63  644.0911981.62  644.94 12289.8     64012941.58   632.5
14442.63   632.514689.69     63015324.78     63015813.38   637.515875.04     645
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 16176.8  639.5916183.96  636.9616293.43   634.816969.87  603.5617545.75     595
17653.45  587.0718032.69  585.5618130.53  577.66 18284.5  567.3818802.25  567.38
18953.11  571.0619097.75     59519182.52  608.6819200.68  610.7419428.53  622.64
19849.12  628.7620265.15  628.7222283.35   622.522393.48   622.522612.84   623.6
 22947.3  622.7823890.04   627.524136.04     63525737.59   642.526103.05  646.06
26507.49  650.8227129.17  667.0727343.23   667.528408.36   667.529015.55     665
29277.26     66529825.86   657.530053.03  653.1430216.99   650.430350.79  643.22
30492.83  643.5730773.82  651.75 31081.3  654.3632130.76  668.2132765.59  672.05
33690.66  695.1533827.03  695.9834416.72  684.5534449.89  684.7535972.94  713.97
36970.05   717.937158.76  722.8437495.07  737.3537534.69  738.4737827.69  744.26
38144.64  755.7338295.75     760 39035.8     79039700.86  794.9940036.25     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517545.75     .1519097.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17545.7519097.75                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.80    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.74    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507903.00   284096.60   1859791.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507903.00   284096.60   1859791.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2629487.00   775249.90   3325263.00
  Top Width (ft)          36881.75    Top Width (ft)          16140.78    1552.00   19188.96
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.74       2.73       1.79
  Max Chl Dpth (ft)         192.36    Hydr. Depth (ft)           93.42     183.05      96.92
  Conv. Total (cfs)       786634200.0    Conv. (cfs)            307346900.0   90614870.0   388672500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16156.45    1554.97   19192.90
  Min Ch El (ft)            567.38    Shear (lb/sq ft)            0.43       0.83       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.74       2.28       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    60673.76   11495.17   72883.05
  C & E Loss (ft)             0.00    Cum SA (acres)            475.90      50.00     545.75


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274695.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  202.12  791.14  657.61  773.07 1385.44  760.69 1568.58  751.96
 1861.08  745.27 2032.61  742.49 2391.31  742.49 2733.72  740.45 3653.39  725.76
 3726.94  721.71  3820.4  717.51 3831.99  717.29 4038.51  715.93 4222.75  712.49
 4369.18  708.87  4526.4   704.2 4910.72   694.8 5379.11  688.85 5727.69  686.14
 5877.68  684.64  6040.9  676.77 6111.12   669.1  6483.1  668.27 6841.47  672.82
 6986.04  674.98 7211.88  659.96 7382.69  652.45 7455.76  644.94 7506.05  644.94
 7660.39  650.18 7883.63  660.25 7948.25  661.41  8081.1  666.79 8454.03   668.3
 8503.19  672.84 8661.85  685.87 8962.66  677.97 8977.11  676.46 9154.34  662.18
 9296.68  661.87 9557.64  676.32 9736.99  675.93 9924.88   660.510115.97  656.06
10263.99  647.9610281.67  647.5910373.72  632.5710546.43  610.0410605.26  610.04
10648.39  616.8910778.51  645.0210888.99  662.5711287.05  656.18 11449.4  651.08
 11506.7  647.6711725.16  644.1711984.21  644.9912292.46  640.0412944.38  632.53
14445.75  632.5314692.86  630.0415328.09  630.0415816.79  637.5515878.47  645.06
16180.29  639.6416187.46  637.0316296.95  634.8616973.54  603.5817549.54  595.02
17657.38  587.08 18037.1  585.5718135.07  577.6718289.23  567.3718807.23  567.37
18958.26  571.0519103.07  595.0219187.83  608.6719205.98  610.7419433.81   622.6
19854.35  628.7220270.33  628.68 22288.3  622.4522398.42  622.4522617.76  623.55
22952.18  622.7423894.82  627.4724140.79  634.9825742.15  642.4926107.57  646.05
26511.96  650.8127133.57  667.0827347.61  667.5128412.61  667.5129019.74  665.02
29281.42  665.0229829.96  657.51 30057.1  653.1530221.04   650.430354.83  643.21
30496.85  643.5530777.81  651.7531085.25  654.3532134.59  668.1832769.35  672.03
33694.32  695.0733830.67  695.8934420.29  684.5334453.46  684.7335976.34  713.88
36973.33  717.8337162.02  722.7837498.29  737.2837537.91   738.437830.88  744.21
38147.79  755.6838298.88  759.9639038.84     79039703.84  794.9940039.18     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517549.54     .1519103.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17549.5419103.07                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.80    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.74    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507900.00   284371.90   1860140.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507900.00   284371.90   1860140.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2628520.00   775821.30   3325659.00
  Top Width (ft)          36885.99    Top Width (ft)          16144.26    1553.53   19188.20
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.74       2.73       1.79
  Max Chl Dpth (ft)         192.37    Hydr. Depth (ft)           93.40     183.05      96.94
  Conv. Total (cfs)       786807400.0    Conv. (cfs)            307301400.0   90701620.0   388804300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16159.95    1556.50   19192.12
  Min Ch El (ft)            567.37    Shear (lb/sq ft)            0.43       0.83       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.74       2.28       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    60500.68   11462.54   72669.55
  C & E Loss (ft)             0.00    Cum SA (acres)            474.05      49.82     543.54


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274692.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  202.17  791.13  657.75  773.06 1385.74  760.69 1568.92  751.95
 1861.48  745.26 2033.05  742.48 2391.82  742.48 2734.31  740.44 3654.18  725.77
 3727.74  721.73 3821.22  717.52 3832.81   717.3 4039.38  715.92 4223.66  712.48
 4370.12  708.85 4527.38  704.19 4911.78  694.78 5380.27  688.84 5728.92  686.13
 5878.95  684.63 6042.21  676.74 6112.44  669.07  6484.5  668.24 6842.95   672.8
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 6987.55  674.96 7213.44  659.92 7384.28   652.4 7457.37  644.88 7507.67  644.88
 7662.05  650.13 7885.33   660.2 7949.97  661.37 8082.85  666.76 8455.86  668.31
 8505.03  672.86 8663.72  685.93  8964.6  678.06 8979.05  676.55 9156.32  662.25
 9298.69  661.94 9559.71  676.42 9739.09  676.03 9927.02  660.5810118.15  656.13
10266.21  648.05 10283.9  647.6810375.96  632.6410548.71  610.0810607.55  610.08
10650.69  616.9410780.84  645.0710891.34  662.6411289.49  656.2411451.88  651.15
11509.19  647.75 11727.7  644.24 11986.8  645.0312295.12  640.0812947.17  632.56
14448.88  632.5614696.04  630.0815331.41  630.0815820.21   637.615881.91  645.12
16183.79   639.716190.96  637.0916300.48  634.9216977.21  603.6117553.34  595.04
17661.31  587.0918041.51  585.5918139.61  577.6818293.97  567.3718812.21  567.37
18963.41  571.0519108.38  595.0419193.13  608.6719211.29  610.7319439.09  622.56
19859.58  628.6920275.52  628.6322293.26   622.422403.37   622.422622.67   623.5
22957.06   622.723899.59  627.4424145.53  634.9625746.71  642.4826112.09  646.05
26516.43  650.8127137.97  667.0927351.99  667.5228416.87  667.5229023.93  665.04
29285.58  665.0429834.05  657.5230061.17  653.1530225.09   650.430358.87   643.2
30500.87  643.54 30781.8  651.7431089.21  654.3532138.43  668.1532773.11  672.01
33697.98  694.9833834.31  695.8134423.87  684.5134457.03  684.7135979.73  713.79
36976.61  717.7537165.29  722.7137501.52  737.2137541.12  738.3337834.06  744.16
38150.95  755.6338302.02  759.9239041.89     79039706.81     79540042.12     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517553.34     .1519108.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17553.3419108.38                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.80    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.74    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507881.00   284632.90   1860496.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507881.00   284632.90   1860496.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2627536.00   776344.70   3326119.00
  Top Width (ft)          36890.25    Top Width (ft)          16147.77    1555.04   19187.44
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.74       2.73       1.79
  Max Chl Dpth (ft)         192.37    Hydr. Depth (ft)           93.38     183.04      96.96
  Conv. Total (cfs)       786970600.0    Conv. (cfs)            307250200.0   90781640.0   388938700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16163.48    1558.02   19191.36
  Min Ch El (ft)            567.37    Shear (lb/sq ft)            0.43       0.83       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.74       2.28       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    60327.59   11429.89   72456.02
  C & E Loss (ft)             0.00    Cum SA (acres)            472.20      49.65     541.34


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274689.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  202.21  791.13  657.89  773.05 1386.04  760.69 1569.26  751.94
 1861.88  745.25 2033.49  742.47 2392.34  742.47  2734.9  740.43 3654.97  725.79
 3728.55  721.74 3822.05  717.53 3833.64  717.31 4040.25  715.92 4224.57  712.47
 4371.07  708.84 4528.36  704.17 4912.84  694.76 5381.43  688.82 5730.16  686.11
 5880.22  684.61 6043.51  676.72 6113.76  669.03  6485.9   668.2 6844.43  672.78
 6989.06  674.94    7215  659.88 7385.88  652.35 7458.98  644.82 7509.29  644.82
  7663.7  650.08 7887.03  660.15 7951.69  661.32  8084.6  666.73 8457.69  668.31
 8506.87  672.87 8665.59  685.99 8966.53  678.15    8981  676.63  9158.3  662.33
  9300.7  662.02 9561.77  676.51  9741.2  676.12 9929.17  660.6510120.34  656.21
10268.43  648.1410286.12  647.7710378.21  632.7110550.99  610.1210609.84  610.12
10652.99  616.9910783.17  645.12 10893.7  662.7111291.93   656.311454.35  651.22
11511.68  647.8311730.23  644.3111989.39  645.0812297.77  640.1212949.97  632.59
   14452  632.5914699.21  630.1215334.72  630.1215823.63  637.6515885.34  645.18
16187.29  639.7516194.45  637.15   16304  634.9816980.88  603.6317557.13  595.06
17665.24  587.1118045.93  585.6118144.14  577.69 18298.7  567.3718817.19  567.37
18968.56  571.04 19113.7  595.0619198.44  608.6719216.59  610.7319444.37  622.53
19864.81  628.65 20280.7  628.5922298.21  622.3522408.31  622.3522627.59  623.45
22961.94  622.6723904.36  627.4124150.27  634.9425751.28  642.4726116.61  646.04
26520.91  650.8127142.38   667.127356.37  667.5328421.13  667.5329028.12  665.06
29289.74  665.0629838.15  657.5330065.24  653.1630229.14  650.39 30362.9  643.19
30504.89  643.5330785.79  651.7331093.16  654.3432142.26  668.1332776.88  671.98
33701.64  694.8933837.95  695.7234427.44  684.49 34460.6  684.6935983.13   713.7
 36979.9  717.6837168.55  722.6537504.74  737.1437544.34  738.2737837.25  744.12
38154.09  755.5938305.15  759.8839044.94     79039709.79  795.0140045.05     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517557.13     .15 19113.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17557.13 19113.7                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.80    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.74    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507878.00   284896.00   1860829.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507878.00   284896.00   1860829.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2626607.00   776872.70   3326521.00
  Top Width (ft)          36894.48    Top Width (ft)          16151.27    1556.57   19186.64
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.74       2.73       1.79
  Max Chl Dpth (ft)         192.37    Hydr. Depth (ft)           93.36     183.03      96.99
  Conv. Total (cfs)       787132500.0    Conv. (cfs)            307204600.0   90862070.0   389065800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16167.01    1559.55   19190.56
  Min Ch El (ft)            567.37    Shear (lb/sq ft)            0.43       0.83       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.74       2.27       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    60154.51   11397.20   72242.45
  C & E Loss (ft)             0.00    Cum SA (acres)            470.34      49.47     539.14


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274686.*

INPUT
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Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  202.25  791.12  658.04  773.03 1386.34  760.68  1569.6  751.93
 1862.29  745.25 2033.93  742.46 2392.86  742.46 2735.49  740.41 3655.76  725.81
 3729.35  721.76 3822.88  717.54 3834.47  717.32 4041.13  715.91 4225.48  712.46
 4372.01  708.82 4529.34  704.15 4913.91  694.74 5382.59  688.81  5731.4  686.09
 5881.49  684.59 6044.82  676.69 6115.08  668.99 6487.31  668.17  6845.9  672.75
 6990.56  674.92 7216.56  659.84 7387.48   652.3 7460.59  644.76 7510.92  644.76
 7665.36  650.02 7888.74   660.1 7953.41  661.27 8086.34   666.7 8459.51  668.32
  8508.7  672.89 8667.46  686.04 8968.47  678.24 8982.94  676.72 9160.28   662.4
 9302.71  662.09 9563.84  676.61  9743.3  676.22 9931.31  660.7310122.53  656.28
10270.65  648.2310288.34  647.8610380.45  632.7810553.27  610.1610612.14  610.16
10655.29  617.04 10785.5  645.1610896.05  662.7811294.37  656.3611456.83  651.29
11514.16   647.911732.76  644.3811991.98  645.1312300.43  640.1612952.77  632.62
14455.12  632.6214702.39  630.1615338.03  630.1615827.05   637.715888.77  645.24
16190.79   639.816197.95  637.2116307.52  635.0416984.55  603.6617560.92  595.08
17669.17  587.1218050.34  585.6318148.68   577.718303.44  567.3718822.17  567.37
18973.72  571.0419119.02  595.0819203.75  608.67 19221.9  610.7319449.65  622.49
19870.04  628.6220285.88  628.5522303.17   622.322413.25   622.322632.51  623.41
22966.82  622.6323909.13  627.3824155.02  634.9225755.84  642.4626121.13  646.04
26525.38   650.827146.78  667.1227360.75  667.5428425.39  667.5429032.31  665.08
 29293.9  665.0829842.25  657.5430069.31  653.1630233.19  650.3930366.94  643.17
30508.91  643.5130789.78  651.7231097.11  654.33 32146.1   668.132780.64  671.96
33705.29  694.8133841.59  695.6434431.02  684.4634464.17  684.6735986.53  713.61
36983.18  717.6137171.81  722.5937507.96  737.0737547.57   738.237840.43  744.07
38157.25  755.5438308.28  759.8439047.99     79039712.76  795.0140047.99     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517560.92     .1519119.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17560.9219119.02                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.80    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.74    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507875.00   285160.80   1861168.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507875.00   285160.80   1861168.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2625656.00   777407.10   3326938.00
  Top Width (ft)          36898.92    Top Width (ft)          16154.96    1558.10   19185.86
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.74       2.73       1.79
  Max Chl Dpth (ft)         192.37    Hydr. Depth (ft)           93.34     183.02      97.01
  Conv. Total (cfs)       787294300.0    Conv. (cfs)             307156600.0   90943260.0   389194500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16170.71    1561.08   19189.78
  Min Ch El (ft)            567.37    Shear (lb/sq ft)            0.43       0.83       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.74       2.27       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    59981.43   11364.48   72028.84
  C & E Loss (ft)             0.00    Cum SA (acres)            468.49      49.29     536.94


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274683.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   202.3  791.12  658.18  773.02 1386.64  760.68 1569.94  751.93
 1862.69  745.24 2034.37  742.45 2393.38  742.45 2736.09   740.4 3656.55  725.83
 3730.16  721.78  3823.7  717.55  3835.3  717.33    4042  715.91  4226.4  712.45
 4372.96  708.81 4530.32  704.14 4914.97  694.72 5383.76  688.79 5732.64  686.07
 5882.76  684.57 6046.12  676.66  6116.4  668.96 6488.71  668.14 6847.38  672.73
 6992.07   674.9 7218.12   659.8 7389.07  652.25  7462.2   644.7 7512.54   644.7
 7667.01  649.97 7890.44  660.04 7955.12  661.23 8088.09  666.68 8461.34  668.33
 8510.54  672.91 8669.34   686.1 8970.41  678.32 8984.88  676.81 9162.26  662.47
 9304.72  662.16  9565.9   676.7 9745.41  676.32 9933.46  660.8110124.71  656.36
10272.87  648.3210290.56  647.9510382.69  632.8510555.54   610.210614.43   610.2
10657.59  617.0910787.83  645.2110898.41  662.8511296.81  656.43 11459.3  651.36
11516.65  647.98 11735.3  644.4611994.57  645.1712303.09   640.212955.57  632.65
14458.24  632.6514705.57   630.215341.35   630.215830.47  637.75 15892.2   645.3
16194.28  639.8516201.45  637.2816311.04   635.116988.21  603.6917564.71   595.1
 17673.1  587.1318054.75  585.6418153.22  577.7118308.17  567.3718827.14  567.37
18978.87  571.0319124.34   595.119209.05  608.67 19227.2  610.7219454.93  622.45
19875.28  628.5820291.07  628.5122308.12  622.2522418.19  622.2522637.42  623.36
 22971.7  622.59 23913.9  627.3524159.76   634.9 25760.4  642.4526125.65  646.03
26529.86   650.827151.18  667.1327365.13  667.5528429.64  667.5529036.49   665.1
29298.05   665.129846.35  657.5530073.38  653.1630237.25  650.3930370.98  643.16
30512.93   643.530793.77  651.7231101.07  654.3232149.93  668.07 32784.4  671.93
33708.95  694.7233845.23  695.5534434.59  684.4434467.74  684.6535989.92  713.53
36986.46  717.5437175.07  722.5237511.19     73737550.79  738.1337843.62  744.02
38160.39   755.538311.41   759.839051.04     79039715.73  795.0240050.93     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517564.71     .1519124.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17564.7119124.34                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.80    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.74    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507848.00   285429.00   1861512.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507848.00   285429.00   1861512.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2624665.00   777958.40   3327377.00
  Top Width (ft)          36903.13    Top Width (ft)          16158.44    1559.63   19185.06
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.74       2.73       1.79
  Max Chl Dpth (ft)         192.37    Hydr. Depth (ft)           93.32     183.01      97.03
  Conv. Total (cfs)       787454800.0    Conv. (cfs)             307103200.0   91026300.0   389325200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16174.21    1562.61   19188.97
  Min Ch El (ft)            567.37    Shear (lb/sq ft)            0.43       0.83       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.74       2.27       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    59808.35   11331.74   71815.18
  C & E Loss (ft)             0.00    Cum SA (acres)            466.63      49.11     534.74
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CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274681.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  202.34  791.12  658.32  773.01 1386.94  760.68 1570.28  751.92
 1863.09  745.23 2034.81  742.44 2393.89  742.44 2736.68  740.39 3657.34  725.84
 3730.96  721.79 3824.53  717.56 3836.13  717.34 4042.87   715.9 4227.31  712.44
  4373.9  708.79  4531.3  704.12 4916.03   694.7 5384.92  688.78 5733.88  686.05
 5884.03  684.55 6047.43  676.63 6117.72  668.92 6490.11  668.11 6848.86  672.71
 6993.58  674.88 7219.67  659.76 7390.67   652.2 7463.81  644.64 7514.16  644.64
 7668.67  649.92 7892.15  659.99 7956.84  661.18 8089.84  666.65 8463.17  668.33
 8512.38  672.92 8671.21  686.16 8972.35  678.41 8986.82   676.9 9164.24  662.54
 9306.73  662.24 9567.97   676.8 9747.51  676.41  9935.6  660.89 10126.9  656.43
10275.09  648.4110292.79  648.0410384.93  632.9210557.82  610.2410616.72  610.24
10659.89  617.1310790.15  645.2610900.76  662.9211299.25  656.4911461.78  651.42
11519.14  648.0611737.83  644.5311997.16  645.2212305.75  640.2412958.37  632.68
14461.36  632.6814708.74  630.2415344.66  630.2415833.89   637.815895.63  645.36
16197.78  639.9116204.95  637.3416314.56  635.1616991.88  603.7117568.51  595.12
17677.03  587.1418059.17  585.6618157.76  577.72 18312.9  567.3718832.12  567.37
18984.02  571.0319129.65  595.1219214.36  608.6719232.51  610.7219460.21  622.42
19880.51  628.5520296.25  628.4722313.08   622.222423.13   622.222642.34  623.31
22976.58  622.5623918.68  627.32 24164.5  634.8825764.96  642.4426130.17  646.03
26534.33   650.827155.59  667.1427369.51  667.56 28433.9  667.5629040.68  665.12
29302.21  665.1229850.44  657.5630077.46  653.17 30241.3  650.3930375.01  643.15
30516.96  643.4830797.76  651.7131105.02  654.3232153.76  668.0432788.16  671.91
33712.61  694.6333848.88  695.4734438.16  684.4234471.31  684.6335993.32  713.44
36989.75  717.4737178.34  722.4637514.41  736.93   37554  738.06 37846.8  743.97
38163.54  755.4538314.55  759.7639054.09     790 39718.7  795.0340053.86     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517568.51     .1519129.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17568.5119129.65                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.80    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.74    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507847.00   285690.20   1861836.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507847.00   285690.20   1861836.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2623752.00   778485.90   3327762.00
  Top Width (ft)          36907.38    Top Width (ft)          16161.95    1561.14   19184.29
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.74       2.72       1.79
  Max Chl Dpth (ft)         192.37    Hydr. Depth (ft)           93.30     183.00      97.05
  Conv. Total (cfs)       787613500.0    Conv. (cfs)             307058300.0   91106380.0   389448800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16177.74    1564.12   19188.18
  Min Ch El (ft)            567.37    Shear (lb/sq ft)            0.42       0.83       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.74       2.27       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    59635.27   11298.96   71601.49
  C & E Loss (ft)             0.00    Cum SA (acres)            464.78      48.93     532.53


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274678.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  202.38  791.11  658.46     773 1387.24  760.68 1570.62  751.91
 1863.49  745.23 2035.25  742.43 2394.41  742.43 2737.27  740.38 3658.12  725.86
 3731.77  721.81 3825.35  717.57 3836.96  717.35 4043.74   715.9 4228.22  712.43
 4374.85  708.78 4532.27   704.1 4917.09  694.68 5386.08  688.76 5735.11  686.03
 5885.31  684.53 6048.73  676.61 6119.04  668.88 6491.51  668.07 6850.34  672.68
 6995.09  674.86 7221.23  659.72 7392.26  652.15 7465.42  644.58 7515.78  644.58
 7670.33  649.86 7893.85  659.94 7958.56  661.14 8091.58  666.62    8465  668.34
 8514.22  672.94 8673.08  686.21 8974.28   678.5 8988.76  676.99 9166.22  662.61
 9308.74  662.31 9570.03  676.89 9749.62  676.51 9937.75  660.9710129.08  656.51
 10277.3  648.5110295.01  648.1310387.17  632.99 10560.1  610.2810619.01  610.28
 10662.2  617.1810792.48   645.310903.11  662.9911301.69  656.5511464.25  651.49
11521.62  648.1311740.37   644.611999.75  645.27 12308.4  640.2812961.16  632.71
14464.49  632.7114711.92  630.2815347.97  630.28 15837.3  637.8515899.07  645.42
16201.28  639.9616208.45   637.416318.09  635.2216995.55  603.74 17572.3  595.14
17680.96  587.1518063.58  585.6818162.29  577.7318317.64  567.37 18837.1  567.37
18989.17  571.0319134.97  595.1419219.67  608.6619237.81  610.7219465.48  622.38
19885.74  628.5120301.44  628.4322318.03  622.1522428.08  622.1522647.26  623.26
22981.46  622.5223923.45  627.2924169.25  634.8625769.52  642.4326134.69  646.02
 26538.8  650.7927159.99  667.1527373.89  667.5728438.16  667.5729044.87  665.14
29306.37  665.1429854.54  657.5730081.53  653.1730245.35  650.3930379.05  643.13
30520.98  643.4730801.74   651.731108.97  654.31 32157.6  668.0132791.93  671.89
33716.26  694.5533852.52  695.3834441.74   684.434474.88  684.6135996.72  713.35
36993.03   717.4 37181.6   722.437517.64  736.8637557.22  737.9937849.99  743.93
 38166.7  755.4138317.68  759.7239057.14     79039721.68  795.03 40056.8     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 17572.3     .1519134.97     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       17572.319134.97                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.80    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.74    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507838.00   285954.50   1862183.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507838.00   285954.50   1862183.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2622784.00   779011.30   3328205.00
  Top Width (ft)          36911.37    Top Width (ft)          16165.45    1562.67   19183.25
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.74       2.72       1.79
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  Max Chl Dpth (ft)          192.37    Hydr. Depth (ft)           93.28     182.99      97.07
  Conv. Total (cfs)        787782100.0    Conv. (cfs)            307010700.0   91187380.0   389584000.0
  Length Wtd. (ft)             5.00    Wetted Per. (ft)        16181.27    1565.66   19187.14
  Min Ch El (ft)             567.37    Shear (lb/sq ft)            0.42       0.83       0.44
  Alpha                        1.07    Stream Power (lb/ft s)      0.74       2.27       0.79
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    59462.20   11266.15   71387.77
  C & E Loss (ft)              0.00    Cum SA (acres)            462.92      48.75     530.33


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274675.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  202.43  791.11   658.6  772.98 1387.54  760.67 1570.96   751.9
  1863.9  745.22 2035.69  742.42 2394.93  742.42 2737.86  740.36 3658.91  725.88
 3732.57  721.82 3826.18  717.58 3837.78  717.36 4044.62  715.89 4229.13  712.42
 4375.79  708.76 4533.25  704.09 4918.15  694.66 5387.24  688.75 5736.35  686.02
 5886.58  684.51 6050.04  676.58 6120.37  668.85 6492.91  668.04 6851.82  672.66
  6996.6  674.84 7222.79  659.68 7393.86   652.1 7467.04  644.52 7517.41  644.52
 7671.98  649.81 7895.55  659.88 7960.28  661.09 8093.33  666.59 8466.82  668.35
 8516.05  672.96 8674.95  686.27 8976.22  678.59  8990.7  677.08 9168.19  662.68
 9310.75  662.38  9572.1  676.99 9751.72  676.61 9939.89  661.0510131.27  656.58
10279.52   648.610297.23  648.2210389.42  633.0610562.38  610.3210621.31  610.32
 10664.5  617.2310794.81  645.3510905.47  663.0611304.13  656.6111466.72  651.56
11524.11  648.21 11742.9  644.6712002.34  645.3112311.06  640.3212963.96  632.74
14467.61  632.7414715.09  630.3215351.28  630.3215840.72   637.9 15902.5  645.48
16204.77  640.0116211.95  637.4616321.61  635.2916999.22  603.7617576.09  595.16
17684.89  587.1618067.99   585.718166.83  577.7418322.37  567.3718842.08  567.37
18994.32  571.0219140.29  595.1619224.98  608.6619243.12  610.7119470.76  622.34
19890.97  628.4820306.62  628.3822322.99   622.122433.02   622.122652.18  623.21
22986.33  622.4923928.22  627.2624173.99  634.8425774.08  642.4226139.21  646.02
26543.28  650.7927164.39  667.1627378.27  667.5828442.42  667.5829049.06  665.16
29310.53  665.1629858.63  657.58 30085.6  653.18 30249.4  650.3930383.09  643.12
   30525  643.4630805.73   651.731112.93   654.332161.43  667.9832795.69  671.86
33719.92  694.4633856.16   695.334445.31  684.3834478.45  684.5936000.12  713.26
36996.32  717.3337184.86  722.3437520.86  736.7937560.44  737.9237853.18  743.88
38169.84  755.3638320.81  759.6839060.19     79039724.65  795.0440059.73     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517576.09     .1519140.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17576.0919140.29                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.80    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.74    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                       Flow Area (sq ft)       1507827.00   286220.20   1862532.00
  E.G. Slope (ft/ft)       0.000073    Area (sq ft)            1507827.00   286220.20   1862532.00
  Q Total (cfs)            6730000.00    Flow (cfs)             2621788.00   779541.80   3328671.00
  Top Width (ft)           36915.36    Top Width (ft)          16169.14    1564.20   19182.03
  Vel Total (ft/s)             1.84    Avg. Vel. (ft/s)            1.74       2.72       1.79
  Max Chl Dpth (ft)          192.37    Hydr. Depth (ft)           93.25     182.98      97.10
  Conv. Total (cfs)        787951400.0    Conv. (cfs)            306960100.0   91269100.0   389722300.0
  Length Wtd. (ft)             5.00    Wetted Per. (ft)        16184.97    1567.19   19185.92
  Min Ch El (ft)             567.37    Shear (lb/sq ft)            0.42       0.83       0.44
  Alpha                        1.07    Stream Power (lb/ft s)      0.74       2.27       0.79
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    59289.12   11233.31   71174.00
  C & E Loss (ft)              0.00    Cum SA (acres)            461.07      48.57     528.13


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274672.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  202.47   791.1  658.75  772.97 1387.84  760.67  1571.3  751.89
  1864.3  745.22 2036.13  742.41 2395.44  742.41 2738.45  740.35  3659.7  725.89
 3733.38  721.84    3827  717.59 3838.61  717.37 4045.49  715.89 4230.05  712.41
 4376.74  708.75 4534.23  704.07 4919.21  694.65 5388.41  688.73 5737.59     686
 5887.85   684.5 6051.34  676.55 6121.69  668.81 6494.31  668.01  6853.3  672.64
 6998.11  674.82 7224.35  659.64 7395.45  652.05 7468.65  644.46 7519.03  644.46
 7673.64  649.76 7897.26  659.83    7962  661.04 8095.08  666.57 8468.65  668.35
 8517.89  672.98 8676.83  686.33 8978.16  678.68 8992.64  677.17 9170.17  662.75
 9312.76  662.45 9574.17  677.08 9753.82   676.7 9942.04  661.1210133.46  656.66
10281.74  648.6910299.45  648.3110391.66  633.1310564.66  610.36 10623.6  610.36
 10666.8  617.2810797.14   645.410907.82  663.1311306.57  656.67 11469.2  651.63
 11526.6  648.2911745.44  644.7412004.93  645.3612313.72  640.3612966.76  632.77
14470.73  632.7714718.27  630.36 15354.6  630.3615844.14  637.9515905.93  645.54
16208.27  640.0716215.45  637.5316325.13  635.3517002.89  603.7917579.89  595.18
17688.82  587.1818072.41  585.7218171.37  577.7518327.11  567.3718847.06  567.37
18999.47  571.02 19145.6  595.1819230.29  608.6619248.43  610.7119476.04  622.31
 19896.2  628.44 20311.8  628.3422327.94  622.0522437.96  622.0522657.09  623.16
22991.21  622.4523932.99  627.2324178.74  634.8225778.64  642.4126143.73  646.01
26547.75  650.79 27168.8  667.1727382.64  667.5928446.68  667.5929053.25  665.18
29314.69  665.1829862.73  657.5930089.67  653.1830253.46  650.3830387.12  643.11
30529.02  643.4430809.72  651.6931116.88  654.2932165.27  667.9532799.45  671.84
33723.58  694.37 33859.8  695.2134448.89  684.3634482.02  684.5636003.51  713.17
 36999.6  717.2537188.12  722.2737524.09  736.7237563.66  737.8537856.36  743.83
   38173  755.3138323.95  759.6439063.23     79039727.62  795.0540062.66     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517579.89     .15 19145.6     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17579.89 19145.6                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
```

```
  E.G. Elev (ft)            759.80    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.74    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507810.00   286478.50   1862901.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507810.00   286478.50   1862901.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2620780.00   780041.80   3329178.00
  Top Width (ft)          36919.18    Top Width (ft)          16172.65    1565.71   19180.82
  Vel Total (ft/s)           1.84    Avg. Vel. (ft/s)           1.74       2.72       1.79
  Max Chl Dpth (ft)        192.37    Hydr. Depth (ft)          93.23     182.97      97.12
  Conv. Total (cfs)       788124600.0    Conv. (cfs)           306909600.0   91347720.0   389867300.0
  Length Wtd. (ft)           5.00    Wetted Per. (ft)        16188.51    1568.70   19184.70
  Min Ch El (ft)           567.37    Shear (lb/sq ft)           0.42       0.83       0.44
  Alpha                      1.07    Stream Power (lb/ft s)     0.74       2.26       0.79
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    59116.05   11200.44   70960.19
  C & E Loss (ft)            0.00    Cum SA (acres)            459.21      48.39     525.93


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274669.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  202.52   791.1  658.89  772.96 1388.14  760.67 1571.64  751.89
  1864.7  745.21 2036.57   742.4 2395.96   742.4 2739.04  740.34 3660.49  725.91
 3734.18  721.85 3827.83   717.6 3839.44  717.38 4046.36  715.88 4230.96   712.4
 4377.68  708.74 4535.21  704.05 4920.27  694.63 5389.57  688.72 5738.83  685.98
 5889.12  684.48 6052.65  676.53 6123.01  668.77 6495.71  667.97 6854.78  672.62
 6999.62   674.8 7225.91   659.6 7397.05     652 7470.26   644.4 7520.65   644.4
 7675.29  649.71 7898.96  659.78 7963.71     661 8096.82  666.54 8470.48  668.36
 8519.73  672.99  8678.7  686.38 8980.09  678.77 8994.58  677.25 9172.15  662.83
 9314.77  662.53 9576.23  677.18 9755.93   676.8 9944.18   661.210135.64  656.73
10283.96  648.7810301.67   648.4 10393.9   633.210566.94   610.410625.89   610.4
 10669.1  617.3310799.47  645.4410910.17   663.211309.01  656.7311471.67   651.7
11529.09  648.3611747.97  644.8212007.52  645.4112316.37   640.412969.56   632.8
14473.85   632.814721.44   630.415357.91   630.415847.56     63815909.36   645.6
16211.77  640.1216218.94  637.5916328.65  635.4117006.56  603.8117583.68   595.2
17692.75  587.1918076.82  585.7318175.91  577.7618331.84  567.3618852.04  567.36
19004.63  571.0119150.92   595.219235.59  608.6619253.73  610.7119481.32  622.27
19901.44  628.4120316.99   628.3 22332.9     622 22442.9     62222662.01  623.11
22996.09  622.4123937.76   627.224183.48   634.825783.21   642.426148.25  646.01
26552.23  650.78 27173.2  667.1927387.02   667.628450.93   667.629057.44   665.2
29318.85   665.229866.83   657.630093.74  653.1930257.51  650.3830391.16  643.09
30533.04  643.4330813.71  651.6831120.84  654.29 32169.1  667.9232803.21  671.82
33727.23  694.2933863.44  695.1234452.46  684.3434485.59  684.5436006.91  713.08
37002.88  717.1837191.38  722.2137527.31  736.6537566.88  737.7837859.55  743.78
38176.14  755.2738327.08   759.639066.29     790 39730.6  795.05 40065.6     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517583.68     .1519150.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17583.6819150.92                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.80    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.74    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507797.00   286753.80   1863229.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507797.00   286753.80   1863229.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2619803.00   780614.60   3329583.00
  Top Width (ft)          36922.95    Top Width (ft)          16176.13    1567.24   19179.59
  Vel Total (ft/s)           1.84    Avg. Vel. (ft/s)           1.74       2.72       1.79
  Max Chl Dpth (ft)        192.38    Hydr. Depth (ft)          93.21     182.97      97.15
  Conv. Total (cfs)       788293900.0    Conv. (cfs)           306861000.0   91434430.0   389998500.0
  Length Wtd. (ft)           5.00    Wetted Per. (ft)        16192.01    1570.23   19183.46
  Min Ch El (ft)           567.36    Shear (lb/sq ft)           0.42       0.83       0.44
  Alpha                      1.07    Stream Power (lb/ft s)     0.74       2.26       0.79
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    58942.98   11167.54   70746.34
  C & E Loss (ft)            0.00    Cum SA (acres)            457.35      48.21     523.73


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274666.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  202.56  791.09  659.03  772.95 1388.43  760.66 1571.97  751.88
  1865.1   745.2    2037  742.39 2396.48  742.39 2739.63  740.33 3661.28  725.93
 3734.99  721.87 3828.66  717.61 3840.27  717.39 4047.24  715.87 4231.87  712.39
 4378.62  708.72 4536.19  704.04 4921.34  694.61 5390.73   688.7 5740.06  685.96
 5890.39  684.46 6053.96   676.5 6124.33  668.74 6497.11  667.94 6856.26  672.59
 7001.13  674.78 7227.47  659.56 7398.65  651.95 7471.87  644.34 7522.27  644.34
 7676.95  649.65 7900.66  659.73 7965.43  660.95 8098.57  666.51  8472.3  668.37
 8521.57  673.01 8680.57  686.44 8982.03  678.85 8996.52  677.34 9174.13   662.9
 9316.78   662.6  9578.3  677.27 9758.03   676.9 9946.33  661.2810137.83   656.8
10286.18  648.87 10303.9  648.4910396.14  633.2710569.22  610.4410628.18  610.44
 10671.4  617.38 10801.8  645.4910912.53  663.2711311.45  656.7911474.15  651.76
11531.57  648.44 11750.5  644.8912010.11  645.4512319.03  640.4412972.35  632.83
14476.97  632.8314724.62  630.4415361.22  630.4415850.98  638.0515912.79  645.66
16215.26  640.1716222.44  637.6516332.18  635.4717010.23  603.8417587.47  595.22
17696.69   587.218081.23  585.7518180.45  577.7718336.57  567.3618857.02  567.36
19009.78  571.0119156.24  595.22 19240.9  608.6619259.04  610.71 19486.6  622.23
19906.67  628.3720322.17  628.2622337.85  621.9522447.85  621.9522666.93  623.07
23000.97  622.3823942.54  627.1724188.22  634.7825787.77  642.3926152.77     646
 26556.7  650.78 27177.6   667.2 27391.4  667.6128455.19  667.6129061.63  665.22
29323.01  665.2229870.92  657.6130097.81  653.1930261.56  650.38 30395.2  643.08
30537.06  643.41 30817.7  651.6831124.79  654.2832172.94  667.8932806.97  671.79
33730.89   694.233867.08  695.0434456.04  684.3234489.16  684.5236010.31     713
37006.17  717.1137194.65  722.1537530.53  736.58 37570.1  737.7237862.73  743.74
 38179.3  755.2238330.21  759.5639069.33     79039733.57  795.0640068.54     800

Manning's n Values        num=       3
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```
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517587.47     .1519156.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17587.4719156.24                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.80    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.74    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507791.00   287017.90   1863556.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507791.00   287017.90   1863556.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2618843.00   781144.10   3330013.00
  Top Width (ft)          36926.95    Top Width (ft)          16179.82    1568.77   19178.36
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.74       2.72       1.79
  Max Chl Dpth (ft)         192.38    Hydr. Depth (ft)           93.19     182.96      97.17
  Conv. Total (cfs)       788456600.0    Conv. (cfs)             306811900.0   91515340.0   390129400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16195.72    1571.76   19182.23
  Min Ch El (ft)            567.36    Shear (lb/sq ft)            0.42       0.83       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.74       2.26       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    58769.91   11134.62   70532.45
  C & E Loss (ft)             0.00    Cum SA (acres)            455.50      48.03     521.52


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274663.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   202.6  791.09  659.17  772.94 1388.73  760.66 1572.31  751.87
  1865.5   745.2 2037.44  742.38 2396.99  742.38 2740.22  740.31 3662.07  725.94
  3735.8  721.88 3829.48  717.62  3841.1   717.4 4048.11  715.87 4232.79  712.38
 4379.57  708.71 4537.17  704.02  4922.4  694.59 5391.89  688.69  5741.3  685.94
 5891.66  684.44 6055.26  676.47 6125.65   668.7 6498.51  667.91 6857.73  672.57
 7002.64  674.76 7229.03  659.52 7400.24   651.9 7473.48  644.28  7523.9  644.28
  7678.6   649.6 7902.37  659.67 7967.15  660.91 8100.31  666.49 8474.13  668.38
 8523.41  673.03 8682.44   686.5 8983.97  678.94 8998.46  677.43 9176.11  662.97
 9318.79  662.67 9580.36  677.37 9760.14  676.99 9948.47  661.3610140.02  656.88
 10288.4  648.9610306.12  648.5810398.38  633.34 10571.5  610.4810630.47  610.48
 10673.7  617.4310804.13  645.5410914.88  663.3411313.88  656.8611476.62  651.83
11534.06  648.5211753.04  644.96 12012.7   645.512321.69  640.4812975.15  632.86
 14480.1  632.8614727.79  630.4815364.54  630.48 15854.4   638.115916.22  645.72
16218.76  640.2216225.94  637.71 16335.7  635.5317013.89  603.8717591.27  595.24
17700.62  587.2118085.65  585.7718184.98  577.7818341.31  567.36   18862  567.36
19014.93  571.0119161.55  595.2419246.21  608.6619264.34   610.719491.88   622.2
 19911.9  628.3420327.36  628.22 22342.8   621.922452.79   621.922671.84  623.02
23005.85  622.3423947.31  627.1424192.97  634.7625792.33  642.3826157.29     646
26561.18  650.7827182.01  667.2127395.78  667.6228459.45  667.6229065.82  665.24
29327.17  665.2429875.02  657.6230101.88  653.1930265.61  650.3830399.23  643.07
30541.08   643.430821.69  651.6731128.74  654.2732176.77  667.8632810.73  671.77
33734.55  694.1233870.73  694.9534459.61   684.334492.73   684.5 36013.7  712.91
37009.45  717.0437197.91  722.0837533.76  736.5137573.32  737.6537865.92  743.69
38182.45  755.1838333.34  759.5239072.38     79039736.54  795.0740071.47     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517591.27     .1519161.55     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17591.2719161.55                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.80    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.74    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507776.00   287279.00   1863893.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507776.00   287279.00   1863893.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2617873.00   781663.80   3330463.00
  Top Width (ft)          36930.74    Top Width (ft)          16183.33    1570.28   19177.13
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.74       2.72       1.79
  Max Chl Dpth (ft)         192.38    Hydr. Depth (ft)           93.17     182.95      97.19
  Conv. Total (cfs)       788621000.0    Conv. (cfs)             306762200.0   91595310.0   390263500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16199.25    1573.28   19180.99
  Min Ch El (ft)            567.36    Shear (lb/sq ft)            0.42       0.83       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       2.26       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    58596.84   11101.66   70318.52
  C & E Loss (ft)             0.00    Cum SA (acres)            453.64      47.85     519.32


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274660.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   202.65  791.08  659.32  772.92 1389.03  760.66 1572.65  751.86
 1865.91  745.19 2037.88  742.37 2397.51  742.37 2740.81   740.3 3662.86  725.96
  3736.6   721.9 3830.31  717.63 3841.93  717.41 4048.98  715.86  4233.7  712.37
 4380.51  708.69 4538.14    704 4923.46  694.57 5393.06  688.67 5742.54  685.92
 5892.93  684.42 6056.57  676.44 6126.97  668.66 6499.92  667.87 6859.21  672.55
 7004.15  674.74 7230.59  659.48 7401.84  651.85 7475.09  644.22 7525.52  644.22
 7680.26  649.55 7904.07  659.62 7968.87  660.86 8102.06  666.46 8475.96  668.38
 8525.24  673.04 8684.31  686.55 8985.91  679.03  9000.4  677.52 9178.09  663.04
  9320.8  662.74 9582.43  677.46 9762.24  677.09 9950.62  661.44 10142.2  656.95
10290.61  649.0510308.34  648.6710400.63  633.4110573.78  610.5210632.77  610.52
   10676  617.4810806.46  645.5810917.23  663.4111316.32  656.92 11479.1   651.9
11536.55   648.611755.57  645.0312015.29  645.5512324.34  640.5212977.95  632.89
14483.22  632.8914730.97  630.5215367.85  630.5215857.82  638.1515919.66  645.78
16222.26  640.2816229.44  637.7816339.22  635.5917017.56  603.8917595.06  595.26
17704.54  587.2218090.06  585.7918189.52  577.7918346.04  567.3618866.98  567.36
19020.08     57119166.87  595.2619251.51  608.6519269.65   610.719497.16  622.16
19917.13   628.320332.54  628.1822347.76  621.8522457.73  621.8522676.76  622.97
23010.73   622.323952.08  627.1124197.71  634.7425796.89  642.3726161.81  645.99
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26565.65  650.7727186.41  667.2227400.16  667.6328463.71  667.63   29070  665.26
29331.33  665.2629879.12  657.6330105.95   653.230269.66  650.3830403.27  643.06
 30545.1  643.3830825.68  651.66 31132.7  654.26 32180.6  667.83 32814.5  671.74
 33738.2  694.0333874.37  694.8734463.18  684.28 34496.3  684.48 36017.1  712.82
37012.73  716.9737201.17  722.0237536.98  736.4437576.54  737.5837869.11  743.64
 38185.6  755.1338336.48  759.4839075.43     79039739.52  795.0740074.41     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517595.06     .1519166.87     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17595.0619166.87                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.80    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.74    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507777.00   287544.30   1864253.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507777.00   287544.30   1864253.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2616900.00   782181.40   3330919.00
  Top Width (ft)          36934.55    Top Width (ft)          16186.83    1571.81   19175.90
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.74       2.72       1.79
  Max Chl Dpth (ft)         192.38    Hydr. Depth (ft)           93.15     182.94      97.22
  Conv. Total (cfs)       788801300.0    Conv. (cfs)            306718300.0   91676930.0   390406000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16202.78    1574.81   19179.76
  Min Ch El (ft)            567.36    Shear (lb/sq ft)            0.42       0.83       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       2.26       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    58423.77   11068.67   70104.55
  C & E Loss (ft)             0.00    Cum SA (acres)            451.78      47.67     517.12


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274657.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  202.69  791.08  659.46  772.91 1389.33  760.66 1572.99  751.85
 1866.31  745.18 2038.32  742.36 2398.03  742.36  2741.4  740.29 3663.65  725.98
 3737.41  721.92 3831.13  717.64 3842.75  717.42 4049.85  715.86 4234.61  712.36
 4381.46  708.68 4539.12  703.99 4924.52  694.55 5394.22  688.66 5743.78  685.91
  5894.2   684.4 6057.87  676.42 6128.29  668.63 6501.32  667.84 6860.69  672.52
 7005.66  674.72 7232.14  659.44 7403.43   651.8 7476.71  644.16 7527.14  644.16
 7681.92  649.49 7905.78  659.57 7970.58  660.82 8103.81  666.43 8477.79  668.39
 8527.08  673.06 8686.19  686.61 8987.84  679.12 9002.34  677.61 9180.07  663.11
  9322.8  662.82 9584.49  677.56 9764.35  677.19 9952.76  661.5210144.39  657.03
10292.83  649.1410310.56  648.7610402.87  633.4810576.06  610.5610635.06  610.56
 10678.3  617.5310808.79  645.6310919.59  663.4811318.76  656.9811481.57  651.97
11539.03  648.6711758.11   645.112017.88  645.59   12327  640.5612980.75  632.92
14486.34  632.9214734.15  630.5615371.16  630.5615861.23   638.215923.09  645.84
16225.76  640.3316232.94  637.8416342.74  635.6517021.23  603.9217598.85  595.28
17708.47  587.2318094.47   585.818194.06   577.818350.78  567.3618871.96  567.36
19025.23     57119172.19  595.2819256.82  608.6519274.95   610.719502.44  622.12
19922.36  628.2720337.72  628.1322352.71   621.822462.67   621.822681.68  622.92
23015.61  622.2723956.85  627.0824202.46  634.7225801.45  642.3626166.33  645.99
26570.12  650.7727190.81  667.2327404.54  667.6428467.96  667.6429074.19  665.28
29335.48  665.2829883.21  657.6430110.02   653.230273.71  650.3830407.31  643.04
30549.12  643.3730829.66  651.6531136.65  654.2632184.44  667.8132818.26  671.72
33741.86  693.9433878.01  694.7834466.76  684.2634499.88  684.46 36020.5  712.73
37016.02   716.937204.43  721.96 37540.2  736.3737579.76  737.51 37872.3  743.59
38188.75  755.0938339.61  759.4439078.48     79039742.49  795.0840077.34     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517598.85     .1519172.19     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17598.8519172.19                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.80    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.74    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507751.00   287811.10   1864585.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507751.00   287811.10   1864585.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2615909.00   782723.10   3331368.00
  Top Width (ft)          36938.34    Top Width (ft)          16190.33    1573.34   19174.66
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.73       2.72       1.79
  Max Chl Dpth (ft)         192.38    Hydr. Depth (ft)           93.13     182.93      97.24
  Conv. Total (cfs)       788962800.0    Conv. (cfs)            306664900.0   91759200.0   390538700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16206.30    1576.34   19178.51
  Min Ch El (ft)            567.36    Shear (lb/sq ft)            0.42       0.83       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       2.26       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    58250.70   11035.64   69890.54
  C & E Loss (ft)             0.00    Cum SA (acres)            449.92      47.49     514.92


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274654.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  202.73  791.07   659.6   772.9 1389.63  760.65 1573.33  751.85
 1866.71  745.18 2038.76  742.35 2398.54  742.35 2741.99  740.27 3664.44     726
 3738.21  721.93 3831.96  717.65 3843.58  717.43 4050.73  715.85 4235.52  712.35
  4382.4  708.66  4540.1  703.97 4925.58  694.53 5395.38  688.64 5745.02  685.89
 5895.47  684.38 6059.18  676.39 6129.61  668.59 6502.72  667.81 6862.17   672.5
 7007.17   674.7  7233.7   659.4 7405.03  651.75 7478.32   644.1 7528.76   644.1
 7683.57  649.44 7907.48  659.51  7972.3  660.77 8105.55   666.4 8479.61   668.4
 8528.92  673.08 8688.06  686.67 8989.78  679.21 9004.28   677.7 9182.04  663.18
 9324.81  662.89 9586.56  677.65 9766.45  677.28 9954.91  661.5910146.58   657.1
10295.05  649.2310312.79  648.8510405.11  633.5510578.34   610.610637.35   610.6
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10680.61  617.5810811.12  645.6810921.94  663.55 11321.2  657.0411484.05  652.04
11541.52  648.7511760.64  645.1812020.47  645.6412329.66   640.612983.54  632.95
14489.46  632.9514737.32   630.615374.47   630.615864.65  638.2515926.52   645.9
16229.25  640.3816236.44   637.916346.26  635.71 17024.9  603.9417602.64   595.3
17712.41  587.2518098.89  585.82 18198.6   577.818355.51  567.3618876.94  567.36
19030.38  570.9919177.51   595.319262.13  608.6519280.26  610.6919507.72  622.09
19927.59  628.2320342.91  628.0922357.67  621.7522467.61  621.7522686.59  622.87
23020.49  622.2323961.62  627.05 24207.2   634.725806.01  642.3526170.85  645.98
 26574.6  650.7727195.22  667.2427408.92  667.6528472.22  667.6529078.38   665.3
29339.64   665.329887.31  657.6530114.09  653.2130277.77  650.3730411.34  643.03
30553.14  643.3630833.65  651.65 31140.6  654.2532188.27  667.7832822.02   671.7
33745.52  693.8633881.65   694.734470.33  684.2434503.45  684.4436023.89  712.64
 37019.3  716.82 37207.7  721.8937543.43   736.337582.98  737.4437875.48  743.55
38191.89  755.0438342.74   759.439081.53     79039745.46  795.0940080.27     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517602.64     .1519177.51     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17602.6419177.51                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.80    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.74    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507751.00   288075.40   1864925.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507751.00   288075.40   1864925.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2614947.00   783244.80   3331808.00
  Top Width (ft)          36942.28    Top Width (ft)          16194.00    1574.87   19173.42
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.73       2.72       1.79
  Max Chl Dpth (ft)         192.38    Hydr. Depth (ft)           93.11     182.92      97.27
  Conv. Total (cfs)       789133100.0    Conv. (cfs)             306618300.0   91840180.0   390674600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16209.98    1577.87   19177.26
  Min Ch El (ft)            567.36    Shear (lb/sq ft)            0.42       0.83       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       2.25       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    58077.63   11002.59   69676.49
  C & E Loss (ft)             0.00    Cum SA (acres)            448.07      47.31     512.72


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274651.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  202.78  791.07  659.74  772.89 1389.93  760.65 1573.67  751.84
 1867.11  745.17  2039.2  742.34 2399.06  742.34 2742.58  740.26 3665.23  726.01
 3739.02  721.95 3832.78  717.66 3844.41  717.44  4051.6  715.85 4236.44  712.34
 4383.35  708.65 4541.08  703.95 4926.64  694.51 5396.54  688.63 5746.25  685.87
 5896.74  684.36 6060.48  676.36 6130.93  668.55 6504.12  667.77 6863.65  672.48
 7008.68  674.68 7235.26  659.36 7406.62   651.7 7479.93  644.04 7530.38  644.04
 7685.23  649.39 7909.18  659.46 7974.02  660.72  8107.3  666.38 8481.44   668.4
 8530.76   673.1 8689.93  686.72 8991.72   679.3 9006.22  677.78 9184.02  663.26
 9326.82  662.96 9588.63  677.75 9768.56  677.38 9957.05  661.6710148.76  657.18
10297.27  649.3210315.01  648.9410407.35  633.6210580.62  610.6410639.64  610.64
10682.91  617.6310813.45  645.7210924.29  663.6211323.64   657.111486.52   652.1
11544.01  648.8311763.17  645.2512023.06  645.6912332.31  640.6412986.34  632.98
14492.59  632.98 14740.5  630.6415377.79  630.6415868.07   638.315929.95  645.96
16232.75  640.4416239.94  637.9616349.79  635.7717028.57  603.9717606.44  595.32
17716.34  587.26 18103.3  585.8418203.14  577.8118360.24  567.3618881.91  567.36
19035.54  570.9919182.82  595.3219267.44  608.6519285.56  610.69   19513  622.05
19932.82   628.220348.09  628.0522362.62   621.722472.55   621.722691.51  622.82
23025.37  622.1923966.39  627.0224211.94  634.6825810.58  642.3426175.37  645.98
26579.07  650.7627199.62  667.26 27413.3  667.6628476.48  667.6629082.57  665.32
 29343.8  665.3229891.41  657.6630118.16  653.2130281.82  650.3730415.38  643.02
30557.16  643.3430837.64  651.6431144.56  654.2432192.11  667.7532825.79  671.67
33749.18  693.7733885.29  694.6134473.91  684.2234507.02  684.4236027.29  712.56
37022.59  716.7537210.96  721.8337546.65  736.23 37586.2  737.3737878.67   743.5
38195.05  754.9938345.88  759.3639084.58     79039748.43  795.0940083.21     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517606.44     .1519182.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17606.4419182.82                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.79    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.74    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507739.00   288336.40   1865268.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507739.00   288336.40   1865268.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2613977.00   783760.40   3332263.00
  Top Width (ft)          36946.08    Top Width (ft)          16197.51    1576.38   19172.19
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.73       2.72       1.79
  Max Chl Dpth (ft)         192.38    Hydr. Depth (ft)           93.08     182.91      97.29
  Conv. Total (cfs)       789300700.0    Conv. (cfs)             306569700.0   91920150.0   390810800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16213.52    1579.39   19176.04
  Min Ch El (ft)            567.36    Shear (lb/sq ft)            0.42       0.83       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       2.25       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    57904.57   10969.51   69462.41
  C & E Loss (ft)             0.00    Cum SA (acres)            446.21      47.13     510.52


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274648.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  202.82  791.06  659.88  772.87 1390.23  760.65 1574.01  751.83
 1867.52  745.17 2039.64  742.33 2399.58  742.33 2743.18  740.25 3666.02  726.03
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 3739.82  721.96 3833.61  717.67 3845.24  717.45 4052.47  715.84 4237.35  712.33
 4384.29  708.63 4542.06  703.93  4927.7  694.49 5397.71  688.61 5747.49  685.85
 5898.01  684.35 6061.79  676.33 6132.25  668.52 6505.52  667.74 6865.13  672.46
 7010.19  674.66 7236.82  659.32 7408.22  651.65 7481.54  643.98 7532.01  643.98
 7686.88  649.33 7910.89  659.41 7975.74  660.68 8109.05  666.35 8483.27  668.41
 8532.59  673.11  8691.8  686.78 8993.65  679.39 9008.16  677.87    9186  663.33
 9328.83  663.04 9590.69  677.84 9770.66  677.48  9959.2  661.7510150.95  657.25
10299.49  649.4110317.23  649.0310409.59  633.69 10582.9  610.6810641.93  610.68
10685.21  617.6710815.78  645.7710926.65  663.6911326.08  657.16   11489  652.17
11546.49   648.911765.71  645.3212025.65  645.7312334.97  640.6812989.14  633.01
14495.71  633.0114743.67  630.68 15381.1  630.6815871.49  638.3515933.38  646.02
16236.25  640.4916243.43  638.0316353.31  635.8317032.24     60417610.23  595.34
17720.27  587.2718107.71  585.8618207.67  577.8218364.98  567.3618886.89  567.36
19040.69  570.9819188.14  595.3419272.74  608.6519290.87  610.6919518.28  622.02
19938.05  628.1620353.28  628.0122367.58  621.65 22477.5  621.6522696.43  622.77
23030.25  622.1623971.17  626.9924216.69  634.6625815.14  642.3326179.89  645.97
26583.54  650.7627204.02  667.2727417.68  667.6728480.74  667.6729086.76  665.34
29347.96  665.34 29895.5  657.6730122.23  653.2230285.87  650.3730419.42     643
30561.18  643.3330841.63  651.6331148.51  654.2332195.94  667.7232829.55  671.65
33752.83  693.6833888.93  694.5334477.48   684.234510.59   684.436030.69  712.47
37025.87  716.6837214.22  721.7737549.88  736.1637589.42   737.337881.86  743.45
 38198.2  754.9538349.01  759.3239087.62     79039751.41   795.140086.14     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517610.23     .1519188.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17610.2319188.14                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.79    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.74    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507725.00   288602.00   1865601.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507725.00   288602.00   1865601.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2613010.00   784291.50   3332699.00
  Top Width (ft)          36949.86    Top Width (ft)          16201.01    1577.91   19170.95
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.73       2.72       1.79
  Max Chl Dpth (ft)         192.38    Hydr. Depth (ft)           93.06     182.90      97.31
  Conv. Total (cfs)       789466600.0    Conv. (cfs)            306520600.0   92001770.0   390944200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16217.03    1580.92   19174.78
  Min Ch El (ft)            567.36    Shear (lb/sq ft)            0.42       0.83       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       2.25       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    57731.50   10936.40   69248.28
  C & E Loss (ft)             0.00    Cum SA (acres)            444.35      46.95     508.32


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274646.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  202.87  791.06  660.03  772.86 1390.53  760.64 1574.35  751.82
 1867.92  745.16 2040.08  742.32 2400.09  742.32 2743.77  740.24 3666.81  726.05
 3740.63  721.98 3834.44  717.68 3846.07  717.46 4053.35  715.84 4238.26  712.32
 4385.23  708.62 4543.04  703.92 4928.76  694.47 5398.87   688.6 5748.73  685.83
 5899.28  684.33 6063.09  676.31 6133.57  668.48 6506.92  667.71 6866.61  672.43
  7011.7  674.64 7238.38  659.28 7409.81   651.6 7483.15  643.92 7533.63  643.92
 7688.54  649.28 7912.59  659.36 7977.46  660.63 8110.79  666.32 8485.09  668.42
 8534.43  673.13 8693.67  686.84 8995.59  679.47  9010.1  677.96 9187.98   663.4
 9330.84  663.11 9592.76  677.94 9772.76  677.57 9961.34  661.8310153.13  657.33
10301.71   649.510319.45  649.1210411.84  633.7610585.18  610.7210644.23  610.72
10687.51  617.7210818.11  645.82   10929  663.7611328.52  657.2311491.47  652.24
11548.98  648.9811768.24  645.3912028.24  645.7812337.63  640.7212991.94  633.04
14498.83  633.0414746.85  630.7215384.41  630.7215874.91   638.415936.82  646.08
16239.74  640.5416246.93  638.0916356.83  635.8917035.91  604.0217614.02  595.36
 17724.2  587.2818112.13  585.8818212.21  577.8318369.71  567.3618891.87  567.36
19045.84  570.9819193.46  595.3619278.05  608.6419296.17  610.6819523.56  621.98
19943.29  628.1320358.46  627.9722372.53   621.622482.44   621.622701.35  622.73
23035.12  622.1223975.94  626.9624221.43  634.64 25819.7  642.3226184.41  645.97
26588.02  650.7627208.43  667.2827422.05  667.68   28485  667.6829090.95  665.36
29352.12  665.36 29899.6  657.68 30126.3  653.2230289.92  650.3730423.46  642.99
 30565.2  643.3130845.62  651.6331152.46  654.2332199.78  667.6932833.31  671.62
33756.49   693.633892.57  694.4434481.05  684.1834514.16  684.3836034.09  712.38
37029.16  716.6137217.48  721.71 37553.1  736.0937592.64  737.2437885.04   743.4
38201.35   754.938352.14  759.2839090.68     79039754.38  795.1140089.08     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517614.02     .1519193.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17614.0219193.46                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.79    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.74    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507706.00   288866.30   1865935.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507706.00   288866.30   1865935.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2612023.00   784820.80   3333156.00
  Top Width (ft)          36953.82    Top Width (ft)          16204.69    1579.44   19169.69
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.73       2.72       1.79
  Max Chl Dpth (ft)         192.38    Hydr. Depth (ft)           93.04     182.89      97.34
  Conv. Total (cfs)       789628200.0    Conv. (cfs)            306467600.0   92082700.0   391077900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16220.74    1582.45   19173.53
  Min Ch El (ft)            567.36    Shear (lb/sq ft)            0.42       0.83       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       2.25       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    57558.44   10903.26   69034.12
  C & E Loss (ft)             0.00    Cum SA (acres)            442.49      46.77     506.12


CROSS SECTION


RIVER: BRAZOS
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REACH: UPPER BRAZOS       RS: 274643.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  202.91  791.06  660.17  772.85 1390.83  760.64 1574.69  751.82
 1868.32  745.15 2040.52  742.31 2400.61  742.31 2744.36  740.22  3667.6  726.06
 3741.43  721.99 3835.26  717.69 3846.89  717.47 4054.22  715.83 4239.17  712.31
 4386.18   708.6 4544.01   703.9 4929.83  694.45 5400.03  688.59 5749.97  685.81
 5900.55  684.31  6064.4  676.28 6134.89  668.44 6508.32  667.67 6868.08  672.41
 7013.21  674.62 7239.94  659.24 7411.41  651.55 7484.76  643.86 7535.25  643.86
 7690.19  649.23  7914.3   659.3 7979.17  660.59 8112.54  666.29 8486.92  668.42
 8536.27  673.15 8695.55  686.89 8997.53  679.56 9012.04  678.05 9189.96  663.47
 9332.85  663.18 9594.82  678.03 9774.87  677.67 9963.49  661.9110155.32   657.4
10303.92  649.5910321.67  649.2110414.08  633.8310587.46  610.7610646.52  610.76
10689.81  617.7710820.44  645.8610931.35  663.8311330.96  657.2911493.94  652.31
11551.47  649.0611770.78  645.4712030.83  645.8312340.28  640.7612994.74  633.07
14501.95  633.0714750.02  630.7615387.73  630.7615878.33  638.4515940.25  646.14
16243.24  640.5916250.43  638.1516360.35  635.9517039.57  604.0517617.82  595.38
17728.13  587.2918116.54  585.8918216.75  577.8418374.45  567.3518896.85  567.35
19050.99  570.9819198.77  595.3819283.36  608.6419301.48  610.6819528.84  621.94
19948.52  628.0920363.65  627.9322377.49  621.5522487.38  621.5522706.26  622.68
   23040  622.0923980.71  626.9324226.17  634.6225824.26  642.3126188.93  645.96
26592.49  650.7527212.83  667.2927426.43  667.6928489.25  667.6929095.14  665.38
29356.28  665.38 29903.7  657.6930130.38  653.2230293.97  650.3730427.49  642.98
30569.22   643.330849.61  651.6231156.42  654.2232203.61  667.6632837.07   671.6
33760.14  693.5133896.21  694.3634484.63  684.1634517.73  684.3636037.48  712.29
37032.44  716.5437220.75  721.6437556.32  736.0237595.86  737.1737888.23  743.35
 38204.5  754.8638355.28  759.2439093.72     79039757.36  795.1140092.02     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517617.82     .1519198.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17617.8219198.77                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.79    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.74    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507708.00   289135.70   1866281.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507708.00   289135.70   1866281.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2611060.00   785363.60   3333577.00
  Top Width (ft)          36957.59    Top Width (ft)          16208.18    1580.95   19168.46
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.73       2.72       1.79
  Max Chl Dpth (ft)         192.39    Hydr. Depth (ft)           93.02     182.89      97.36
  Conv. Total (cfs)       789807100.0    Conv. (cfs)            306424000.0   92167270.0   391215900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16224.25    1583.96   19172.29
  Min Ch El (ft)            567.35    Shear (lb/sq ft)            0.42       0.83       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       2.25       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    57385.38   10870.08   68819.91
  C & E Loss (ft)             0.00    Cum SA (acres)            440.63      46.59     503.92


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274640.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  202.95  791.05  660.31  772.84 1391.13  760.64 1575.03  751.81
 1868.72  745.15 2040.96   742.3 2401.13   742.3 2744.95  740.21 3668.39  726.08
 3742.24  722.01 3836.09   717.7 3847.72  717.48 4055.09  715.83 4240.09   712.3
 4387.12  708.59 4544.99  703.88 4930.89  694.43  5401.2  688.57 5751.21  685.79
 5901.82  684.29 6065.71  676.25 6136.22  668.41 6509.72  667.64 6869.56  672.39
 7014.72   674.6  7241.5   659.2 7413.01   651.5 7486.37   643.8 7536.87   643.8
 7691.85  649.18    7916  659.25 7980.89  660.54 8114.29  666.27 8488.75  668.43
 8538.11  673.16 8697.42  686.95 8999.46  679.65 9013.98  678.14 9191.94  663.54
 9334.86  663.25 9596.89  678.13 9776.97  677.77 9965.63  661.9910157.51  657.48
10306.14  649.68 10323.9   649.310416.32   633.910589.74   610.810648.81   610.8
10692.11  617.8210822.77  645.9110933.71   663.9 11333.4  657.3511496.42  652.38
11553.96  649.1311773.31  645.5412033.42  645.8712342.94   640.812997.53   633.1
14505.07   633.1 14753.2   630.815391.04   630.815881.75   638.515943.68   646.2
16246.74  640.6516253.93  638.2116363.88  636.0217043.24  604.0717621.61   595.4
17732.06   587.318120.95  585.9118221.29  577.8518379.18  567.3518901.83  567.35
19056.14  570.9719204.09   595.419288.67  608.6419306.78  610.6819534.12  621.91
19953.75  628.0620368.83  627.8822382.44   621.522492.32   621.522711.18  622.63
23044.88  622.0523985.48   626.924230.92   634.625828.82   642.326193.45  645.96
26596.97  650.7527217.23   667.327430.81   667.728493.51   667.729099.33   665.4
29360.44   665.429907.79   657.730134.45  653.2330298.03  650.3730431.53  642.97
30573.24  643.28 30853.6  651.6131160.37  654.2132207.45  667.6332840.83  671.58
 33763.8  693.4233899.86  694.27 34488.2  684.13 34521.3  684.3436040.88   712.2
37035.72  716.4737224.01  721.5837559.55  735.9537599.08   737.137891.41  743.31
38207.65  754.8138358.41   759.239096.77     79039760.33  795.1240094.95     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517621.61     .1519204.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17621.6119204.09                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.79    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.74    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507686.00   289401.40   1866631.00
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            1507686.00   289401.40   1866631.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2610059.00   785891.10   3334051.00
  Top Width (ft)          36961.36    Top Width (ft)          16211.68    1582.48   19167.20
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.73       2.72       1.79
  Max Chl Dpth (ft)         192.39    Hydr. Depth (ft)           93.00     182.88      97.39
  Conv. Total (cfs)       789976300.0    Conv. (cfs)            306372100.0   92248940.0   391355300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16227.78    1585.50   19171.03
  Min Ch El (ft)            567.35    Shear (lb/sq ft)            0.42       0.83       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       2.25       0.79
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  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    57212.32   10836.88   68605.67
  C & E Loss (ft)            0.00    Cum SA (acres)            438.77      46.40     501.72


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274637.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800     203  791.05  660.45  772.82 1391.43  760.64 1575.36   751.8
 1869.12  745.14  2041.4  742.29 2401.64  742.29 2745.54   740.2 3669.18   726.1
 3743.05  722.02 3836.91  717.71 3848.55  717.49 4055.96  715.82    4241  712.29
 4388.07  708.57 4545.97  703.87 4931.95  694.41 5402.36  688.56 5752.44  685.78
 5903.09  684.27 6067.01  676.23 6137.54  668.37 6511.13  667.61 6871.04  672.36
 7016.23  674.58 7243.06  659.16  7414.6  651.45 7487.98  643.74  7538.5  643.74
  7693.5  649.12  7917.7   659.2 7982.61  660.49 8116.03  666.24 8490.58  668.44
 8539.95  673.18 8699.29  687.01  9001.4  679.74 9015.92  678.23 9193.92  663.61
 9336.87  663.33 9598.95  678.22 9779.08  677.86 9967.78  662.0610159.69  657.55
10308.36  649.7710326.12  649.3910418.56  633.9710592.02  610.84 10651.1  610.84
10694.42  617.87 10825.1  645.9610936.06  663.9711335.84  657.4111498.89  652.44
11556.44  649.2111775.85  645.6112036.01  645.92 12345.6  640.8413000.33  633.13
 14508.2  633.1314756.37  630.8415394.35  630.8415885.16  638.5515947.11  646.26
16250.24   640.716257.43  638.28 16367.4  636.0817046.91   604.1 17625.4  595.42
17735.99  587.3218125.37  585.9318225.83  577.8618383.91  567.3518906.81  567.35
19061.29  570.9719209.41  595.4219293.97  608.6419312.09  610.6819539.39  621.87
19958.98  628.0220374.01  627.84 22387.4  621.4522497.27  621.45 22716.1  622.58
23049.76  622.0123990.25  626.8724235.66  634.5825833.38  642.2926197.97  645.95
26601.44  650.7527221.64  667.3127435.19  667.7128497.77  667.7129103.51  665.42
 29364.6  665.4229911.89  657.7130138.52  653.2330302.08  650.3730435.56  642.95
30577.27  643.2730857.59  651.6131164.33   654.232211.28   667.632844.59  671.55
33767.46  693.34 33903.5  694.1934491.78  684.1134524.87  684.3236044.28  712.12
37039.01  716.3937227.27  721.5237562.77  735.88 37602.3  737.03 37894.6  743.26
 38210.8  754.7738361.54  759.1639099.82     790 39763.3  795.1340097.89     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 17625.4     .1519209.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       17625.419209.41                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.79    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.74    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1507670.00   289662.80   1866969.00
  E.G. Slope (ft/ft)      0.000073   Area (sq ft)            1507670.00   289662.80   1866969.00
  Q Total (cfs)           6730000.00   Flow (cfs)             2609090.00   786403.80   3334507.00
  Top Width (ft)          36965.13   Top Width (ft)          16215.18    1584.01   19165.94
  Vel Total (ft/s)            1.84   Avg. Vel. (ft/s)            1.73       2.71       1.79
  Max Chl Dpth (ft)         192.39   Hydr. Depth (ft)           92.98     182.87      97.41
  Conv. Total (cfs)       790141300.0   Conv. (cfs)            306322300.0   92328390.0   391490600.0
  Length Wtd. (ft)            5.00   Wetted Per. (ft)        16231.30    1587.03   19169.76
  Min Ch El (ft)            567.35   Shear (lb/sq ft)            0.42       0.83       0.44
  Alpha                       1.07   Stream Power (lb/ft s)      0.73       2.24       0.79
  Frctn Loss (ft)             0.00   Cum Volume (acre-ft)    57039.26   10803.65   68391.39
  C & E Loss (ft)             0.00   Cum SA (acres)            436.91      46.22     499.52


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274634.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  203.04  791.04  660.59  772.81 1391.73  760.63  1575.7  751.79
 1869.53  745.13 2041.84  742.28 2402.16  742.28 2746.13  740.19 3669.97  726.12
 3743.85  722.04 3837.74  717.72 3849.38   717.5 4056.84  715.82 4241.91  712.28
 4389.01  708.56 4546.95  703.85 4933.01  694.39 5403.52  688.54 5753.68  685.76
 5904.36  684.25 6068.32   676.2 6138.86  668.34 6512.53  667.57 6872.52  672.34
 7017.74  674.56 7244.61  659.12  7416.2   651.4  7489.6  643.68 7540.12  643.68
 7695.16  649.07 7919.41  659.14 7984.33  660.45 8117.78  666.21  8492.4  668.44
 8541.78   673.2 8701.16  687.06 9003.34  679.83 9017.86  678.32 9195.89  663.69
 9338.88   663.4 9601.02  678.32 9781.18  677.96 9969.92  662.1410161.88  657.63
10310.58  649.8610328.34  649.48 10420.8  634.0410594.29  610.88 10653.4  610.88
10696.72  617.9210827.43    64610938.41  664.0411338.28  657.4711501.37  652.51
11558.93  649.2911778.38  645.68 12038.6  645.9712348.25  640.8813003.13  633.16
14511.32  633.1614759.55  630.8815397.66  630.8815888.58   638.615950.54  646.32
16253.73  640.7516260.93  638.3416370.92  636.1417050.58  604.12 17629.2  595.44
17739.92  587.3318129.78  585.9518230.36  577.8718388.65  567.3518911.79  567.35
19066.45  570.9619214.72  595.4419299.28  608.6419317.39  610.6719544.67  621.83
19964.21  627.99 20379.2   627.822392.35   621.422502.21   621.422721.01  622.53
23054.64  621.9823995.03  626.8424240.41  634.5625837.95  642.2826202.49  645.94
26605.92  650.7427226.04  667.3327439.57  667.7228502.03  667.72 29107.7  665.44
29368.76  665.4429915.99  657.7230142.59  653.2430306.13  650.36 30439.6  642.94
30581.29  643.2630861.57   651.631168.28   654.232215.11  667.5732848.36  671.53
33771.12  693.2533907.14   694.134495.35  684.0934528.44   684.336047.68  712.03
37042.29  716.3237230.53  721.45   37566  735.8137605.52  736.9637897.79  743.21
38213.95  754.7238364.68  759.1239102.87     79039766.27  795.1340100.82     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 17629.2     .1519214.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       17629.219214.72                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.79    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.74    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1507663.00   289925.30   1867307.00
  E.G. Slope (ft/ft)      0.000073   Area (sq ft)            1507663.00   289925.30   1867307.00
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  Q Total (cfs)           6730000.00    Flow (cfs)              2608123.00   786924.80   3334952.00
  Top Width (ft)          36969.10    Top Width (ft)          16218.88    1585.52   19164.70
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.73       2.71       1.79
  Max Chl Dpth (ft)         192.39    Hydr. Depth (ft)           92.96     182.86      97.43
  Conv. Total (cfs)       790308200.0    Conv. (cfs)             306273500.0   92409070.0   391625600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16235.01    1588.54   19168.52
  Min Ch El (ft)            567.35    Shear (lb/sq ft)            0.42       0.83       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       2.24       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    56866.21   10770.38   68177.07
  C & E Loss (ft)             0.00    Cum SA (acres)            435.04      46.04     497.32


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274631.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  203.08  791.04  660.74   772.8 1392.03  760.63 1576.04  751.78
 1869.93  745.13 2042.28  742.27 2402.68  742.27 2746.72  740.17 3670.76  726.13
 3744.66  722.06 3838.56  717.73 3850.21  717.51 4057.71  715.81 4242.82  712.27
 4389.96  708.54 4547.93  703.83 4934.07  694.38 5404.68  688.53 5754.92  685.74
 5905.63  684.23 6069.62  676.17 6140.18   668.3 6513.93  667.54    6874  672.32
 7019.25  674.54 7246.17  659.08 7417.79  651.35 7491.21  643.62 7541.74  643.62
 7696.82  649.02 7921.11  659.09 7986.04   660.4 8119.53  666.19 8494.23  668.45
 8543.62  673.22 8703.04  687.12 9005.28  679.92  9019.8   678.4 9197.87  663.76
 9340.89  663.47 9603.09  678.41 9783.29  678.06 9972.07  662.2210164.07   657.7
 10312.8  649.9510330.56  649.5710423.05  634.1110596.57  610.9210655.69  610.92
10699.02  617.9710829.76  646.0510940.77  664.1111340.72  657.5311503.84  652.58
11561.42  649.3611780.91  645.7512041.19  646.0112350.91  640.9213005.93  633.19
14514.44  633.1914762.73  630.9215400.98  630.92   15892  638.6515953.97  646.38
16257.23   640.816264.43   638.416374.44   636.217054.25  604.1517632.99  595.46
17743.85  587.3418134.19  585.96 18234.9  577.8818393.38  567.3518916.77  567.35
 19071.6  570.9619220.04  595.4619304.59  608.64 19322.7  610.6719549.95   621.8
19969.45  627.9520384.38  627.76 22397.3  621.3522507.15  621.3522725.93  622.48
23059.52  621.94 23999.8  626.8124245.15  634.5425842.51  642.2726207.01  645.94
26610.39  650.7427230.44  667.3427443.95  667.7328506.29  667.7329111.89  665.46
29372.92  665.4629920.08  657.7330146.66  653.2430310.18  650.3630443.64  642.93
30585.31  643.2430865.56  651.5931172.23  654.1932218.95  667.5432852.12   671.5
33774.77  693.1633910.78  694.0134498.93  684.0734532.01  684.2836051.07  711.94
37045.57  716.2537233.79  721.3937569.22  735.7437608.74  736.8937900.97  743.16
 38217.1  754.6738367.81  759.0839105.92     79039769.25  795.1440103.75     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517632.99     .1519220.04     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17632.9919220.04                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.79    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.74    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507653.00   290191.20   1867659.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507653.00   290191.20   1867659.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2607138.00   787449.20   3335413.00
  Top Width (ft)          36972.86    Top Width (ft)          16222.38    1587.05   19163.43
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.73       2.71       1.79
  Max Chl Dpth (ft)         192.39    Hydr. Depth (ft)           92.94     182.85      97.46
  Conv. Total (cfs)       790482800.0    Conv. (cfs)             306225500.0   92491090.0   391766100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16238.54    1590.07   19167.24
  Min Ch El (ft)            567.35    Shear (lb/sq ft)            0.42       0.83       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       2.24       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    56693.15   10737.09   67962.71
  C & E Loss (ft)             0.00    Cum SA (acres)            433.18      45.86     495.12


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274628.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  203.13  791.03  660.88  772.79 1392.33  760.63 1576.38  751.78
 1870.33  745.12 2042.72  742.26  2403.2  742.26 2747.31  740.16 3671.55  726.15
 3745.46  722.07 3839.39  717.74 3851.04  717.52 4058.58   715.8 4243.74  712.26
  4390.9  708.53 4548.91  703.82 4935.13  694.36 5405.85  688.51 5756.16  685.72
  5906.9  684.22 6070.93  676.14  6141.5  668.26 6515.33  667.51 6875.48   672.3
 7020.76  674.52 7247.73  659.04 7419.39   651.3 7492.82  643.56 7543.36  643.56
 7698.47  648.96 7922.81  659.04 7987.76  660.36 8121.27  666.16 8496.06  668.46
 8545.46  673.23 8704.91  687.18 9007.21     680 9021.74  678.49 9199.85  663.83
  9342.9  663.55 9605.15  678.51 9785.39  678.15 9974.21  662.310166.25  657.77
10315.02  650.0410332.79  649.6610425.29  634.1810598.85  610.9610657.98  610.96
10701.32  618.0210832.09   646.110943.12  664.1811343.16  657.5911506.32  652.65
 11563.9  649.4411783.45  645.8312043.78  646.0612353.57  640.9613008.72  633.22
14517.56  633.22 14765.9  630.9615404.29  630.9615895.42   638.715957.41  646.44
16260.73  640.8616267.92  638.4716377.97  636.2617057.92  604.1817636.78  595.48
17747.78  587.3518138.61  585.9818239.44  577.8918398.12  567.3518921.75  567.35
19076.75  570.9519225.36  595.4819309.89  608.63   19328  610.6719555.23  621.76
19974.68  627.9220389.57  627.7222402.26   621.322512.09   621.322730.85  622.43
 23064.4   621.924004.57  626.7824249.89  634.5225847.07  642.2626211.53  645.93
26614.86  650.7427234.85  667.3527448.33  667.7428510.54  667.7429116.08  665.48
29377.07  665.4829924.18  657.7430150.73  653.2430314.23  650.3630447.68  642.91
30589.33  643.2330869.55  651.5831176.19  654.1832222.78  667.5232855.88  671.48
33778.43  693.0833914.42  693.93 34502.5  684.0534535.58  684.2636054.47  711.85
37048.86  716.1837237.06  721.3337572.45  735.6737611.96  736.8237904.16  743.12
38220.25  754.6338370.94  759.0439108.97     79039772.22  795.1540106.69     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517636.78     .1519225.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17636.7819225.36                5       5       5             .1       .3
```

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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.79    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.74    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507628.00   290456.80   1867983.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507628.00   290456.80   1867983.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2606166.00   787984.50   3335850.00
  Top Width (ft)          36976.61    Top Width (ft)          16225.86    1588.58   19162.17
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.73       2.71       1.79
  Max Chl Dpth (ft)         192.39    Hydr. Depth (ft)           92.92     182.84      97.48
  Conv. Total (cfs)       790642600.0    Conv. (cfs)            306173200.0   92572670.0   391896700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16242.04    1591.61   19165.97
  Min Ch El (ft)            567.35    Shear (lb/sq ft)            0.42       0.83       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       2.24       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    56520.10   10703.77   67748.31
  C & E Loss (ft)             0.00    Cum SA (acres)            431.32      45.68     492.92


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274625.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  203.17  791.03  661.02  772.77 1392.63  760.63 1576.72  751.77
 1870.73  745.11 2043.16  742.25 2403.71  742.25  2747.9  740.15 3672.34  726.17
 3746.27  722.09 3840.22  717.75 3851.86  717.53 4059.46   715.8 4244.65  712.25
 4391.84  708.51 4549.88   703.8 4936.19  694.34 5407.01   688.5  5757.4   685.7
 5908.17   684.2 6072.23  676.12 6142.82  668.23 6516.73  667.47 6876.96  672.27
 7022.27   674.5 7249.29     659 7420.98  651.25 7494.43   643.5 7544.98   643.5
 7700.13  648.91 7924.52  658.98 7989.48  660.31 8123.02  666.13 8497.88  668.46
  8547.3  673.25 8706.78  687.23 9009.15  680.09 9023.68  678.58 9201.83   663.9
 9344.91  663.62 9607.22   678.6  9787.5  678.25 9976.36  662.3810168.44  657.85
10317.23  650.1310335.01  649.7510427.53  634.2510601.13     61110660.27     611
10703.62  618.0710834.42  646.1410945.47  664.25 11345.6  657.6611508.79  652.72
11566.39  649.5211785.98   645.912046.37  646.1112356.22     64113011.52  633.25
14520.69  633.2514769.08     631 15407.6     63115898.84  638.7515960.84   646.5
16264.22  640.9116271.42  638.5316381.49  636.3217061.59   604.217640.57   595.5
17751.71  587.3618143.02     58618243.98   577.918402.85  567.3518926.72  567.35
 19081.9  570.9519230.68   595.5 19315.2  608.6319333.31  610.6619560.51  621.72
19979.91  627.8820394.75  627.6822407.21  621.2522517.03  621.2522735.77  622.39
23069.28  621.8724009.34  626.7524254.64   634.525851.63  642.2526216.05  645.93
26619.34  650.7327239.25  667.3627452.71  667.75 28514.8  667.7529120.27   665.5
29381.23   665.529928.28  657.75 30154.8  653.2530318.29  650.3630451.71   642.9
30593.35  643.2130873.54  651.5831180.14  654.1732226.62  667.4932859.64  671.46
33782.09  692.9933918.06  693.8434506.07  684.0334539.15  684.2436057.87  711.76
37052.14  716.1137240.32  721.2737575.67   735.637615.18  736.7537907.34  743.07
 38223.4  754.5838374.07     75939112.02     79039775.19  795.1540109.62     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517640.57     .1519230.68     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17640.5719230.68                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.79    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.74    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507619.00   290720.60   1868323.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507619.00   290720.60   1868323.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2605205.00   788502.30   3336292.00
  Top Width (ft)          36980.36    Top Width (ft)          16229.36    1590.11   19160.90
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.73       2.71       1.79
  Max Chl Dpth (ft)         192.39    Hydr. Depth (ft)           92.89     182.83      97.51
  Conv. Total (cfs)       790812400.0    Conv. (cfs)            306126100.0   92653400.0   392032900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16245.56    1593.14   19164.70
  Min Ch El (ft)            567.35    Shear (lb/sq ft)            0.42       0.83       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       2.24       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    56347.05   10670.41   67533.88
  C & E Loss (ft)             0.00    Cum SA (acres)            429.46      45.49     490.72


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274622.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  203.21  791.02  661.16  772.76 1392.93  760.62 1577.06  751.76
 1871.14  745.11 2043.59  742.24 2404.23  742.24 2748.49  740.13 3673.13  726.18
 3747.07   722.1 3841.04  717.76 3852.69  717.54 4060.33  715.79 4245.56  712.24
 4392.79   708.5 4550.86  703.78 4937.26  694.32 5408.17  688.48 5758.63  685.68
 5909.44  684.18 6073.54  676.09 6144.14  668.19 6518.13  667.44 6878.44  672.25
 7023.78  674.48 7250.85  658.96 7422.58   651.2 7496.04  643.44 7546.61  643.44
 7701.78  648.86 7926.22  658.93  7991.2  660.27 8124.77   666.1 8499.71  668.47
 8549.13  673.27 8708.65  687.29 9011.09  680.18 9025.62  678.67 9203.81  663.97
 9346.92  663.69 9609.28   678.7  9789.6  678.35  9978.5  662.4610170.63  657.92
10319.45  650.2210337.23  649.8410429.77  634.3210603.41  611.0410662.56  611.04
10705.92  618.1210836.75  646.1910947.83  664.3211348.04  657.7211511.27  652.78
11568.88  649.5911788.52  645.9712048.96  646.1512358.88  641.0413014.32  633.28
14523.81  633.2814772.25  631.0415410.92  631.0415902.26   638.815964.27  646.56
16267.72  640.9616274.92  638.5916385.01  636.3817065.25  604.2317644.37  595.52
17755.64  587.3718147.43  586.0218248.52  577.9118407.58  567.35 18931.7  567.35
19087.05  570.9519235.99  595.5219320.51  608.6319338.62  610.6619565.79  621.69
19985.14  627.8520399.94  627.6322412.17   621.222521.98   621.222740.68  622.34
23074.16  621.8324014.11  626.7224259.38  634.4825856.19  642.2426220.57  645.92
26623.81  650.7327243.65  667.3727457.09  667.7628519.06  667.7629124.46  665.52
29385.39  665.5229932.37  657.7630158.87  653.2530322.34  650.3630455.75  642.89
30597.37   643.230877.53  651.57 31184.1  654.1732230.45  667.4632863.41  671.43
33785.74   692.9 33921.7  693.7634509.65  684.0134542.72  684.2236061.27  711.68
37055.43  716.0437243.58   721.237578.89  735.5337618.39  736.6937910.53  743.02
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38226.55  754.5438377.21  758.9639115.07     79039778.17  795.1640112.56     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517644.37     .1519235.99     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17644.3719235.99                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.79    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.74    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507618.00   290981.30   1868661.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507618.00   290981.30   1868661.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2604251.00   789013.60   3336736.00
  Top Width (ft)          36984.32    Top Width (ft)          16233.05    1591.62   19159.65
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.73       2.71       1.79
  Max Chl Dpth (ft)         192.39    Hydr. Depth (ft)           92.87     182.82      97.53
  Conv. Total (cfs)       790980500.0    Conv. (cfs)            306078900.0   92733180.0   392168400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16249.27    1594.65   19163.44
  Min Ch El (ft)            567.35    Shear (lb/sq ft)            0.42       0.82       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       2.24       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    56174.00   10637.03   67319.40
  C & E Loss (ft)             0.00    Cum SA (acres)            427.59      45.31     488.52


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274619.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  203.26  791.02  661.31  772.75 1393.23  760.62  1577.4  751.75
 1871.54   745.1 2044.03  742.23 2404.75  742.23 2749.08  740.12 3673.92   726.2
 3747.88  722.12 3841.87  717.77 3853.52  717.55  4061.2  715.79 4246.48  712.23
 4393.73  708.48 4551.84  703.77 4938.32   694.3 5409.33  688.47 5759.87  685.67
 5910.71  684.16 6074.85  676.06 6145.46  668.15 6519.53  667.41 6879.91  672.23
 7025.29  674.46 7252.41  658.92 7424.17  651.15 7497.65  643.38 7548.23  643.38
 7703.44   648.8 7927.93  658.88 7992.92  660.22 8126.51  666.08 8501.54  668.48
 8550.97  673.28 8710.52  687.35 9013.02  680.27 9027.56  678.76 9205.79  664.04
 9348.93  663.76 9611.35  678.79  9791.7  678.44 9980.65  662.5310172.81     658
10321.67  650.3210339.45  649.9310432.02  634.3910605.69  611.0810664.86  611.08
10708.22  618.1710839.08  646.2410950.18  664.3911350.48  657.7811513.74  652.85
11571.36  649.6711791.05  646.0412051.55   646.212361.54  641.0813017.12  633.31
14526.93  633.3114775.43  631.0815414.23  631.0815905.67  638.85 15967.7  646.62
16271.22  641.0216278.42  638.6516388.53  636.4417068.92  604.2517648.16  595.54
17759.57  587.3918151.85  586.0418253.05  577.9218412.32  567.3518936.68  567.35
 19092.2  570.9419241.31  595.5419325.82  608.6319343.92  610.6619571.07  621.65
19990.37  627.8120405.12  627.5922417.12  621.1522526.92  621.15 22745.6  622.29
23079.04   621.824018.88  626.6924264.12  634.4625860.75  642.2326225.09  645.92
26628.29  650.7327248.06  667.3927461.47  667.7728523.32  667.7729128.65  665.54
29389.55  665.5429936.47  657.7730162.94  653.2630326.39  650.3630459.79  642.88
30601.39  643.1830881.52  651.5631188.05  654.1632234.29  667.4332867.17  671.41
 33789.4  692.8233925.34  693.6734513.22  683.9934546.29   684.236064.66  711.59
37058.71  715.9637246.84  721.1437582.12  735.4637621.62  736.6237913.71  742.97
 38229.7  754.4938380.34  758.9239118.11     79039781.14  795.17 40115.5     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517648.16     .1519241.31     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17648.1619241.31                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.79    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507598.00   291244.00   1868997.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507598.00   291244.00   1868997.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2603278.00   789531.80   3337191.00
  Top Width (ft)          36988.07    Top Width (ft)          16236.55    1593.15   19158.37
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.73       2.71       1.79
  Max Chl Dpth (ft)         192.38    Hydr. Depth (ft)           92.85     182.81      97.56
  Conv. Total (cfs)       791144400.0    Conv. (cfs)            306028000.0   92813330.0   392303100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16252.80    1596.18   19162.16
  Min Ch El (ft)            567.35    Shear (lb/sq ft)            0.42       0.82       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       2.23       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    56000.95   10603.61   67104.88
  C & E Loss (ft)             0.00    Cum SA (acres)            425.73      45.13     486.32


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274616.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   203.3  791.01  661.45  772.74 1393.53  760.62 1577.74  751.74
 1871.94   745.1 2044.47  742.22 2405.26  742.22 2749.68  740.11 3674.71  726.22
 3748.68  722.13 3842.69  717.78 3854.35  717.56 4062.07  715.78 4247.39  712.22
 4394.68  708.47 4552.82  703.75 4939.38  694.28  5410.5  688.45 5761.11  685.65
 5911.98  684.14 6076.15  676.04 6146.78  668.12 6520.93  667.37 6881.39   672.2
  7026.8  674.44 7253.97  658.88 7425.77   651.1 7499.26  643.32 7549.85  643.32
 7705.09  648.75 7929.63  658.83 7994.63  660.17 8128.26  666.05 8503.37  668.48
 8552.81   673.3  8712.4   687.4 9014.96  680.36  9029.5  678.85 9207.76  664.11
 9350.94  663.84 9613.41  678.89 9793.81  678.54 9982.79  662.61   10175  658.07
10323.89  650.4110341.67  650.0210434.26  634.4610607.97  611.1210667.15  611.12
10710.53  618.2210841.41  646.2810952.53  664.4611352.92  657.8411516.22  652.92
11573.85  649.7511793.58  646.1112054.14  646.2512364.19  641.1213019.92  633.34
14530.05  633.34 14778.6  631.1215417.54  631.1215909.09   638.915971.13  646.68
16274.71  641.0716281.92  638.7216392.05   636.517072.59  604.2817651.95  595.56
 17763.5   587.418156.26  586.0518257.59  577.9318417.05  567.3418941.66  567.34
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19097.35  570.9419246.63  595.5619331.12  608.6319349.22  610.6619576.35  621.61
 19995.6  627.78 20410.3  627.5522422.08   621.122531.86   621.122750.52  622.24
23083.92  621.7624023.66  626.6624268.87  634.4425865.32  642.2226229.61  645.91
26632.76  650.7227252.46   667.427465.85  667.7828527.57  667.7829132.84  665.56
29393.71  665.5629940.57  657.7830167.01  653.2630330.44  650.3530463.82  642.86
30605.41  643.1730885.51  651.56   31192  654.1532238.12   667.432870.93  671.38
33793.06  692.7333928.99  693.59 34516.8  683.9734549.86  684.1836068.06   711.5
37061.99  715.8937250.11  721.0837585.34  735.3937624.84  736.55 37916.9  742.93
38232.85  754.4538383.47  758.8839121.16     79039784.11  795.1740118.43     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517651.95     .1519246.63     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17651.9519246.63                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.79    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507585.00   291517.20   1869345.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507585.00   291517.20   1869345.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2602283.00   790084.80   3337633.00
  Top Width (ft)          36991.82    Top Width (ft)          16240.05    1594.68   19157.09
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.73       2.71       1.79
  Max Chl Dpth (ft)         192.39    Hydr. Depth (ft)           92.83     182.81      97.58
  Conv. Total (cfs)       791320700.0    Conv. (cfs)             305979200.0   92899020.0   392442500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16256.32    1597.72   19160.88
  Min Ch El (ft)            567.34    Shear (lb/sq ft)            0.42       0.82       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       2.23       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    55827.90   10570.17   66890.33
  C & E Loss (ft)             0.00    Cum SA (acres)            423.87      44.95     484.12


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274613.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  203.35  791.01  661.59  772.73 1393.82  760.61 1578.08  751.74
 1872.34  745.09 2044.91  742.21 2405.78  742.21 2750.27   740.1  3675.5  726.23
 3749.49  722.15 3843.52  717.79 3855.18  717.57 4062.95  715.78  4248.3  712.21
 4395.62  708.45  4553.8  703.73 4940.44  694.26 5411.66  688.44 5762.35  685.63
 5913.25  684.12 6077.46  676.01  6148.1  668.08 6522.33  667.34 6882.87  672.18
 7028.31  674.42 7255.52  658.84 7427.37  651.05 7500.88  643.26 7551.47  643.26
 7706.75   648.7 7931.33  658.77 7996.35  660.13 8130.01  666.02 8505.19  668.49
 8554.65  673.32 8714.27  687.46  9016.9  680.45 9031.44  678.94 9209.74  664.19
 9352.94  663.91 9615.48  678.98 9795.91  678.64 9984.94  662.6910177.19  658.15
10326.11   650.5 10343.9  650.11 10436.5  634.5310610.25  611.1610669.44  611.16
10712.83  618.2610843.73  646.3310954.89  664.5311355.36   657.911518.69  652.99
11576.34  649.8211796.12  646.1912056.73  646.2912366.85  641.1613022.71  633.37
14533.17  633.3714781.78  631.1615420.85  631.1615912.51  638.9515974.57  646.74
16278.21  641.1216285.42  638.7816395.58  636.5617076.26   604.317655.75  595.58
17767.43  587.4118160.67  586.0718262.13  577.9418421.79  567.3418946.64  567.34
19102.51  570.9319251.94  595.5819336.43  608.6319354.53  610.6519581.63  621.58
20000.83  627.7420415.49  627.5122427.03  621.05 22536.8  621.0522755.43  622.19
23088.79  621.7224028.43  626.6324273.61  634.4225869.88  642.2126234.13  645.91
26637.23  650.7227256.86  667.4127470.22  667.7928531.83  667.7929137.02  665.58
29397.87  665.5829944.66  657.7930171.08  653.27 30334.5  650.3530467.86  642.85
30609.43  643.16 30889.5  651.5531195.96  654.1432241.95  667.3732874.69  671.36
33796.71  692.6533932.63   693.534520.37  683.9534553.43  684.1636071.46  711.41
37065.28  715.8237253.37  721.0137588.57  735.3237628.05  736.4837920.09  742.88
   38236   754.438386.61  758.8439124.21     79039787.09  795.1840121.36     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517655.75     .1519251.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17655.7519251.94                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.79    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507575.00   291778.80   1869685.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507575.00   291778.80   1869685.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2601311.00   790601.30   3338088.00
  Top Width (ft)          36995.76    Top Width (ft)          16243.73    1596.19   19155.83
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.73       2.71       1.79
  Max Chl Dpth (ft)         192.39    Hydr. Depth (ft)           92.81     182.80      97.60
  Conv. Total (cfs)       791487700.0    Conv. (cfs)             305929500.0   92979370.0   392578800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16260.02    1599.23   19159.62
  Min Ch El (ft)            567.34    Shear (lb/sq ft)            0.42       0.82       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       2.23       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    55654.85   10536.69   66675.73
  C & E Loss (ft)             0.00    Cum SA (acres)            422.00      44.76     481.92


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274611.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  203.39  791.01  661.73  772.71 1394.12  760.61 1578.42  751.73
 1872.74  745.08 2045.35   742.2  2406.3   742.2 2750.86  740.08 3676.29  726.25
 3750.29  722.17 3844.34   717.8    3856  717.58 4063.82  715.77 4249.21   712.2
 4396.57  708.44 4554.77  703.72  4941.5  694.24 5412.82  688.42 5763.59  685.61
 5914.52   684.1 6078.76  675.98 6149.42  668.04 6523.74  667.31 6884.35  672.16
 7029.82   674.4 7257.08   658.8 7428.96     651 7502.49   643.2  7553.1   643.2
 7708.41  648.64 7933.04  658.72 7998.07  660.08 8131.75     666 8507.02   668.5
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 8556.49  673.34 8716.14  687.52 9018.84  680.54 9033.38  679.02 9211.72  664.26
 9354.95  663.98 9617.55  679.08 9798.02  678.73 9987.08  662.7710179.37  658.22
10328.33  650.5910346.12   650.210438.74   634.610612.53   611.210671.73   611.2
10715.13  618.3110846.06  646.3810957.24   664.6 11357.8  657.9611521.17  653.06
11578.83   649.911798.65  646.2612059.32  646.3412369.51   641.213025.51   633.4
 14536.3   633.414784.96   631.215424.17   631.215915.93     639   15978   646.8
16281.71  641.1716288.92  638.84 16399.1  636.6217079.93  604.3317659.54   595.6
17771.36  587.4218165.09  586.0918266.67  577.9518426.52  567.3418951.62  567.34
19107.66  570.9319257.26   595.619341.74  608.6219359.84  610.6519586.91  621.54
20006.06  627.7120420.67  627.4722431.99     62122541.74     62122760.35  622.14
23093.67  621.69 24033.2   626.624278.36   634.425874.44   642.226238.65   645.9
26641.71  650.7227261.27  667.42 27474.6   667.828536.09   667.829141.21   665.6
29402.03   665.629948.76   657.830175.15  653.2730338.55  650.35 30471.9  642.84
30613.45  643.1430893.48  651.5431199.91  654.1432245.79  667.3432878.45  671.34
33800.37  692.5633936.27  693.4234523.95  683.93   34557  684.1436074.86  711.32
37068.56  715.7537256.63  720.9537591.79  735.2537631.27  736.4137923.27  742.83
38239.15  754.3538389.74   758.839127.26     79039790.06  795.19 40124.3     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517659.54     .1519257.26     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17659.5419257.26                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.79    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507562.00   292042.80   1870014.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507562.00   292042.80   1870014.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2600356.00   791122.90   3338522.00
  Top Width (ft)          36999.50    Top Width (ft)          16247.23    1597.72   19154.55
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.72       2.71       1.79
  Max Chl Dpth (ft)         192.39    Hydr. Depth (ft)           92.79     182.79      97.63
  Conv. Total (cfs)       791652700.0    Conv. (cfs)             305880900.0   93060120.0   392711700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16263.55    1600.76   19158.32
  Min Ch El (ft)            567.34    Shear (lb/sq ft)            0.42       0.82       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       2.23       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    55481.80   10503.18   66461.10
  C & E Loss (ft)             0.00    Cum SA (acres)            420.14      44.58     479.72


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274608.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  203.43     791  661.87   772.7 1394.42  760.61 1578.75  751.72
 1873.15  745.08 2045.79  742.19 2406.81  742.19 2751.45  740.07 3677.08  726.27
  3751.1  722.18 3845.17  717.81 3856.83  717.59 4064.69  715.77 4250.13  712.19
 4397.51  708.42 4555.75   703.7 4942.56  694.22 5413.98  688.41 5764.82  685.59
 5915.79  684.09 6080.07  675.95 6150.74  668.01 6525.14  667.27 6885.83  672.14
 7031.33  674.38 7258.64  658.76 7430.56  650.95  7504.1  643.14 7554.72  643.14
 7710.06  648.59 7934.74  658.67 7999.79  660.04  8133.5  665.97 8508.85  668.51
 8558.32  673.35 8718.01  687.57 9020.77  680.62 9035.32  679.11  9213.7  664.33
 9356.96  664.06 9619.61  679.17 9800.12  678.83 9989.23  662.8510181.56   658.3
10330.54  650.6810348.34  650.2910440.98  634.6710614.81  611.2410674.02  611.24
10717.43  618.3610848.39  646.4210959.59  664.6711360.24  658.0211523.64  653.12
11581.31  649.9811801.19  646.3312061.91  646.3912372.17  641.2413028.31  633.43
14539.42  633.4314788.13  631.2415427.48  631.2415919.35  639.0515981.43  646.86
16285.21  641.2316292.42   638.916402.62  636.68 17083.6  604.3617663.33  595.62
17775.29  587.43 18169.5  586.1118271.21  577.9518431.25  567.34 18956.6  567.34
19112.81  570.9319262.58  595.6219347.05  608.6219365.14  610.6519592.19   621.5
 20011.3  627.6720425.86  627.4322436.94  620.9522546.69  620.9522765.27  622.09
23098.55  621.6524037.97  626.57 24283.1  634.38   25879  642.1926243.17   645.9
26646.18  650.7127265.67  667.4327478.98  667.8128540.35  667.81 29145.4  665.62
29406.19  665.6229952.86  657.8130179.22  653.27 30342.6  650.3530475.93  642.82
30617.47  643.1330897.47  651.5431203.86  654.1332249.62  667.3132882.21  671.31
33804.03  692.4733939.91  693.3334527.52  683.9134560.57  684.1236078.25  711.24
37071.84  715.6837259.89  720.8937595.02  735.1837634.49  736.3437926.46  742.78
 38242.3  754.3138392.87  758.7639130.31     79039793.03  795.1940127.23     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517663.33     .1519262.58     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17663.3319262.58                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.79    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507541.00   292307.70   1870356.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507541.00   292307.70   1870356.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2599370.00   791647.60   3338983.00
  Top Width (ft)          37003.25    Top Width (ft)          16250.73    1599.25   19153.27
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.72       2.71       1.79
  Max Chl Dpth (ft)         192.39    Hydr. Depth (ft)           92.77     182.78      97.65
  Conv. Total (cfs)       791819700.0    Conv. (cfs)             305829500.0   93141480.0   392848800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16267.07    1602.29   19157.04
  Min Ch El (ft)            567.34    Shear (lb/sq ft)            0.42       0.82       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       2.23       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    55308.76   10469.64   66246.44
  C & E Loss (ft)             0.00    Cum SA (acres)            418.27      44.40     477.53


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274605.*

INPUT
Description:
Station Elevation Data    num=     120
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  203.48     791  662.02  772.69 1394.72  760.61 1579.09  751.71
 1873.55  745.07 2046.23  742.18 2407.33  742.18 2752.04  740.06 3677.86  726.29
 3751.91   722.2    3846  717.82 3857.66  717.59 4065.57  715.76 4251.04  712.18
 4398.45  708.41 4556.73  703.68 4943.62   694.2 5415.15  688.39 5766.06  685.57
 5917.06  684.07 6081.37  675.93 6152.06  667.97 6526.54  667.24 6887.31  672.11
 7032.84  674.36  7260.2  658.72 7432.15   650.9 7505.71  643.08 7556.34  643.08
 7711.72  648.54 7936.45  658.61 8001.51  659.99 8135.25  665.94 8510.67  668.51
 8560.16  673.37 8719.88  687.63 9022.71  680.71 9037.26   679.2 9215.68   664.4
 9358.97  664.13 9621.68  679.27 9802.23  678.93 9991.37  662.9310183.74  658.37
10332.76  650.7710350.56  650.3810443.23  634.7410617.09  611.2810676.32  611.28
10719.73  618.4110850.72  646.4710961.95  664.7411362.67  658.0911526.11  653.19
 11583.8  650.0511803.72   646.4 12064.5  646.4312374.82  641.2813031.11  633.46
14542.54  633.4614791.31  631.2815430.79  631.2815922.77   639.115984.86  646.92
 16288.7  641.2816295.91  638.9716406.14  636.7417087.27  604.3817667.13  595.64
17779.22  587.4418173.91  586.1218275.74  577.9618435.99  567.3418961.58  567.34
19117.96  570.9219267.89  595.6419352.35  608.6219370.45  610.6419597.47  621.47
20016.53  627.6420431.04  627.38 22441.9   620.922551.63   620.922770.19  622.05
23103.43  621.6124042.74  626.5424287.84  634.3625883.56  642.1826247.69  645.89
26650.66  650.7127270.07  667.4427483.36  667.8228544.61  667.8229149.59  665.64
29410.35  665.6429956.95  657.8230183.29  653.2830346.65  650.3530479.97  642.81
30621.49  643.1130901.46  651.5331207.82  654.1232253.46  667.2832885.98  671.29
33807.68  692.3933943.55  693.2534531.09  683.8934564.14   684.136081.65  711.15
37075.13  715.6137263.16  720.8337598.24   735.137637.71  736.2737929.65  742.74
38245.45  754.26   38396  758.7239133.36     790   39796   795.240130.17     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517667.13     .1519267.89     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17667.1319267.89                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.79    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507536.00   292571.90   1870699.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507536.00   292571.90   1870699.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2598412.00   792168.40   3339420.00
  Top Width (ft)          37006.99    Top Width (ft)          16254.24    1600.76   19151.99
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.72       2.71       1.79
  Max Chl Dpth (ft)         192.39    Hydr. Depth (ft)           92.75     182.77      97.68
  Conv. Total (cfs)       791993500.0    Conv. (cfs)            305783800.0   93223210.0   392986500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16270.60    1603.81   19155.75
  Min Ch El (ft)            567.34    Shear (lb/sq ft)            0.42       0.82       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       2.23       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    55135.72   10436.08   66031.73
  C & E Loss (ft)             0.00    Cum SA (acres)            416.41      44.21     475.33


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274602.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  203.52  790.99  662.16  772.68 1395.02   760.6 1579.43  751.71
 1873.95  745.06 2046.67  742.17 2407.85  742.17 2752.63  740.05 3678.65   726.3
 3752.71  722.21 3846.82  717.83 3858.49   717.6 4066.44  715.76 4251.95  712.17
  4399.4  708.39 4557.71  703.66 4944.69  694.18 5416.31  688.38  5767.3  685.55
 5918.33  684.05 6082.68   675.9 6153.39  667.93 6527.94  667.21 6888.79  672.09
 7034.35  674.34 7261.76  658.68 7433.75  650.85 7507.32  643.02 7557.96  643.02
 7713.37  648.49 7938.15  658.56 8003.22  659.94 8136.99  665.91  8512.5  668.52
    8562  673.39 8721.76  687.69 9024.65   680.8  9039.2  679.29 9217.66  664.47
 9360.98   664.2 9623.74  679.36 9804.33  679.02 9993.52     66310185.93  658.45
10334.98  650.8610352.79  650.4710445.47  634.8110619.37  611.3210678.61  611.32
10722.03  618.4610853.05  646.52 10964.3  664.8111365.11  658.1511528.59  653.26
11586.29  650.1311806.26  646.4712067.09  646.4812377.48  641.32 13033.9  633.49
14545.66  633.4914794.48  631.3215434.11  631.3215926.19  639.1515988.29  646.98
 16292.2  641.3316299.41  639.0316409.67  636.8117090.93  604.4117670.92  595.66
17783.15  587.4618178.32  586.1418280.28  577.9718440.72  567.3418966.56  567.34
19123.11  570.9219273.21  595.6619357.66  608.6219375.75  610.6419602.75  621.43
20021.76   627.620436.22  627.3422446.85  620.8522556.57  620.85 22775.1     622
23108.31  621.5824047.52  626.5124292.59  634.3425888.12  642.1726252.21  645.89
26655.13  650.7127274.48  667.4627487.74  667.8328548.86  667.8329153.78  665.66
29414.51  665.6629961.05  657.8330187.37  653.28 30350.7  650.3530484.01   642.8
30625.51   643.130905.45  651.5231211.77  654.1132257.29  667.2532889.74  671.26
33811.34   692.3 33947.2  693.1634534.67  683.8734567.71  684.0836085.05  711.06
37078.41  715.5437266.42  720.7637601.46  735.0337640.93   736.237932.83  742.69
 38248.6  754.2238399.14  758.6839136.41     79039798.98  795.2140133.11     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517670.92     .1519273.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17670.9219273.21                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.79    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507517.00   292833.30   1871041.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507517.00   292833.30   1871041.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2597426.00   792679.10   3339895.00
  Top Width (ft)          37010.91    Top Width (ft)          16257.91    1602.29   19150.71
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.72       2.71       1.79
  Max Chl Dpth (ft)         192.39    Hydr. Depth (ft)           92.73     182.76      97.70
  Conv. Total (cfs)       792157400.0    Conv. (cfs)            305731100.0   93302620.0   393123700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16274.29    1605.34   19154.47
  Min Ch El (ft)            567.34    Shear (lb/sq ft)            0.42       0.82       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       2.23       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    54962.68   10402.48   65816.98
  C & E Loss (ft)             0.00    Cum SA (acres)            414.54      44.03     473.13


CROSS SECTION
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RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274599.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  203.56  790.99   662.3  772.66 1395.32   760.6 1579.77   751.7
 1874.35  745.06 2047.11  742.16 2408.36  742.16 2753.22  740.03 3679.44  726.32
 3753.52  722.23 3847.65  717.84 3859.32  717.61 4067.31  715.75 4252.86  712.16
 4400.34  708.38 4558.69  703.65 4945.75  694.16 5417.47  688.36 5768.54  685.54
  5919.6  684.03 6083.98  675.87 6154.71   667.9 6529.34  667.17 6890.26  672.07
 7035.86  674.32 7263.32  658.64 7435.34   650.8 7508.93  642.96 7559.59  642.96
 7715.03  648.43 7939.85  658.51 8004.94   659.9 8138.74  665.89 8514.33  668.53
 8563.84   673.4 8723.63  687.74 9026.58  680.89 9041.14  679.38 9219.64  664.54
 9362.99  664.27 9625.81  679.46 9806.44  679.12 9995.66  663.0810188.12  658.52
 10337.2  650.9510355.01  650.5610447.71  634.8810621.65  611.36 10680.9  611.36
10724.33  618.5110855.38  646.5610966.66  664.8811367.55  658.2111531.06  653.33
11588.77  650.2111808.79  646.5512069.68  646.5312380.13  641.36 13036.7  633.52
14548.79  633.5214797.66  631.3615437.42  631.36 15929.6   639.215991.72  647.04
 16295.7  641.3916302.91  639.0916413.19  636.87 17094.6  604.4317674.71  595.68
17787.08  587.4718182.74  586.1618284.82  577.9818445.46  567.3418971.54  567.34
19128.26  570.9119278.53  595.6819362.97  608.6219381.06  610.6419608.03  621.39
20026.99  627.5720441.41   627.322451.81   620.822561.51   620.822780.02  621.95
23113.19  621.5424052.29  626.4824297.33  634.3225892.69  642.1626256.73  645.88
 26659.6   650.727278.88  667.4727492.12  667.8428553.12  667.8429157.97  665.68
29418.66  665.6829965.14  657.8430191.44  653.2930354.76  650.3430488.04  642.79
30629.53  643.0830909.44  651.5131215.72  654.1132261.12  667.22 32893.5  671.24
   33815  692.2133950.84  693.0834538.24  683.8534571.29  684.0636088.45  710.97
 37081.7  715.4637269.68   720.737604.69  734.9637644.15  736.1437936.02  742.64
38251.75  754.1738402.27  758.6439139.46     79039801.95  795.2140136.04     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517674.71     .1519278.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17674.7119278.53                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.79    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507504.00   293097.90   1871386.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507504.00   293097.90   1871386.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2596452.00   793197.80   3340351.00
  Top Width (ft)          37014.64    Top Width (ft)          16261.41    1603.82   19149.42
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.72       2.71       1.78
  Max Chl Dpth (ft)         192.39    Hydr. Depth (ft)           92.70     182.75      97.73
  Conv. Total (cfs)       792328600.0    Conv. (cfs)             305682500.0   93383840.0   393262300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16277.82    1606.87   19153.17
  Min Ch El (ft)            567.34    Shear (lb/sq ft)            0.42       0.82       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       2.22       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    54789.64   10368.85   65602.20
  C & E Loss (ft)             0.00    Cum SA (acres)            412.67      43.84     470.93


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274596.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  203.61  790.98  662.44  772.65 1395.62   760.6 1580.11  751.69
 1874.76  745.05 2047.55  742.15 2408.88  742.15 2753.81  740.02 3680.23  726.34
 3754.32  722.24 3848.47  717.85 3860.15  717.62 4068.18  715.74 4253.78  712.15
 4401.29  708.36 4559.67  703.63 4946.81  694.14 5418.63  688.35 5769.78  685.52
 5920.88  684.01 6085.29  675.85 6156.03  667.86 6530.74  667.14 6891.74  672.04
 7037.37   674.3 7264.88   658.6 7436.94  650.75 7510.54   642.9 7561.21   642.9
 7716.68  648.38 7941.56  658.46 8006.66  659.85 8140.49  665.86 8516.16  668.53
 8565.67  673.42  8725.5   687.8 9028.52  680.98 9043.08  679.47 9221.61  664.62
    9365  664.35 9627.87  679.55 9808.54  679.22 9997.81  663.16 10190.3   658.6
10339.42  651.0410357.23  650.6510449.95  634.9510623.93   611.410683.19   611.4
10726.64  618.5610857.71  646.6110969.01  664.9511369.99  658.2711533.54   653.4
11591.26  650.2811811.32  646.6212072.28  646.5712382.79   641.4 13039.5  633.55
14551.91  633.5514800.83   631.415440.73   631.415933.02  639.2515995.16   647.1
16299.19  641.4416306.41  639.1516416.71  636.9317098.27  604.4617678.51   595.7
17791.01  587.4818187.15  586.1818289.36  577.9918450.19  567.3418976.52  567.34
19133.42  570.9119283.85   595.719368.28  608.6119386.36  610.6319613.31  621.36
20032.22  627.5320446.59  627.2622456.76  620.7522566.46  620.7522784.94   621.9
23118.07  621.5124057.06  626.4524302.08   634.325897.25  642.1526261.25  645.88
26664.08   650.727283.28  667.48 27496.5  667.8528557.38  667.8529162.16   665.7
29422.82   665.729969.24  657.8530195.51  653.2930358.81  650.3430492.08  642.77
30633.55  643.0730913.43  651.5131219.68   654.132264.96   667.232897.27  671.22
33818.66  692.1333954.48  692.9934541.82  683.8334574.86  684.0436091.84  710.88
37084.98  715.3937272.94  720.6437607.91  734.8937647.37  736.0737939.21  742.59
 38254.9  754.13 38405.4   758.6 39142.5     79039804.93  795.2240138.98     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517678.51     .1519283.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17678.5119283.85                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.79    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507489.00   293360.30   1871705.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507489.00   293360.30   1871705.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2595507.00   793718.70   3340774.00
  Top Width (ft)          37018.38    Top Width (ft)          16264.92    1605.34   19148.12
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.72       2.71       1.78
  Max Chl Dpth (ft)         192.39    Hydr. Depth (ft)           92.68     182.74      97.75
  Conv. Total (cfs)       792489100.0    Conv. (cfs)             305633200.0   93464100.0   393391800.0
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  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16281.34    1608.39   19151.87
  Min Ch El (ft)            567.34    Shear (lb/sq ft)            0.42       0.82       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       2.22       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    54616.61   10335.19   65387.37
  C & E Loss (ft)             0.00    Cum SA (acres)            410.81      43.66     468.73


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274593.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  203.65  790.98  662.58  772.64 1395.92  760.59 1580.45  751.68
 1875.16  745.05 2047.99  742.14  2409.4  742.14  2754.4  740.01 3681.02  726.35
 3755.13  722.26  3849.3  717.86 3860.97  717.63 4069.06  715.74 4254.69  712.14
 4402.23  708.35 4560.64  703.61 4947.87  694.12  5419.8  688.33 5771.01   685.5
 5922.15  683.99  6086.6  675.82 6157.35  667.82 6532.14  667.11 6893.22  672.02
 7038.88  674.28 7266.44  658.56 7438.54   650.7 7512.16  642.84 7562.83  642.84
 7718.34  648.33 7943.26   658.4 8008.38  659.81 8142.23  665.83 8517.98  668.54
 8567.51  673.44 8727.37  687.86 9030.46  681.07 9045.02  679.55 9223.59  664.69
 9367.01  664.42 9629.94  679.65 9810.64  679.31 9999.95  663.2410192.49  658.67
10341.64  651.1310359.45  650.7410452.19  635.0210626.21  611.4410685.49  611.44
10728.94  618.6110860.04  646.6610971.36  665.0211372.43  658.3311536.01  653.46
11593.75  650.3611813.86  646.6912074.87  646.6212385.45  641.44 13042.3  633.58
14555.03  633.5814804.01  631.4415444.04  631.4415936.44   639.315998.59  647.16
16302.69  641.4916309.91  639.2216420.23  636.9917101.94  604.48 17682.3  595.72
17794.94  587.4918191.56   586.218293.89     57818454.92  567.3418981.49  567.34
19138.57   570.919289.16  595.7219373.58  608.6119391.67  610.6319618.59  621.32
20037.46   627.520451.78  627.2222461.71   620.7 22571.4   620.722789.85  621.85
23122.95  621.4724061.83  626.4224306.82  634.2825901.81  642.1426265.77  645.87
26668.55   650.727287.69  667.4927500.88  667.8628561.64  667.8629166.35  665.72
29426.98  665.7229973.34  657.8630199.58  653.2930362.86  650.3430496.12  642.76
30637.58  643.0630917.42   651.531223.63  654.0932268.79  667.1732901.03  671.19
33822.31  692.0433958.12  692.9134545.39  683.8134578.43  684.0236095.24   710.8
37088.26  715.3237276.21  720.5737611.13  734.8237650.59     73637942.39  742.54
38258.05  754.0838408.54  758.5639145.55     790 39807.9  795.2340141.91     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 17682.3     .1519289.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       17682.319289.16                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.79    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507481.00   293623.60   1872044.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507481.00   293623.60   1872044.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2594541.00   794236.60   3341223.00
  Top Width (ft)          37022.30    Top Width (ft)          16268.60    1606.86   19146.84
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.72       2.70       1.78
  Max Chl Dpth (ft)         192.39    Hydr. Depth (ft)           92.66     182.73      97.77
  Conv. Total (cfs)       792657400.0    Conv. (cfs)            305584300.0   93544940.0   393528200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16285.05    1609.91   19150.59
  Min Ch El (ft)            567.34    Shear (lb/sq ft)            0.42       0.82       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       2.22       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    54443.57   10301.50   65172.51
  C & E Loss (ft)             0.00    Cum SA (acres)            408.94      43.48     466.54


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274590.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   203.7  790.97  662.73  772.63 1396.22  760.59 1580.79  751.67
 1875.56  745.04 2048.43  742.13 2409.91  742.13 2754.99  739.99 3681.81  726.37
 3755.93  722.27 3850.12  717.87  3861.8  717.64 4069.93  715.73  4255.6  712.13
 4403.18  708.33 4561.62   703.6 4948.93  694.11 5420.96  688.32 5772.25  685.48
 5923.42  683.97  6087.9  675.79 6158.67  667.79 6533.54  667.08  6894.7     672
 7040.39  674.26 7267.99  658.52 7440.13  650.65 7513.77  642.78 7564.45  642.78
    7720  648.27 7944.97  658.35  8010.1  659.76 8143.98   665.8 8519.81  668.55
 8569.35  673.45 8729.24  687.91  9032.4  681.15 9046.96  679.64 9225.57  664.76
 9369.02  664.49 9632.01  679.74 9812.75  679.41 10002.1  663.3210194.68  658.75
10343.85  651.2210361.67  650.8310454.44  635.0910628.49  611.4810687.78  611.48
10731.24  618.6610862.37   646.710973.72  665.0911374.87  658.3911538.49  653.53
11596.23  650.4411816.39  646.7612077.46  646.6712388.11  641.4813045.09  633.61
14558.15  633.6114807.18  631.4815447.36  631.4815939.86  639.3516002.02  647.22
16306.19  641.5416313.41  639.2816423.76  637.0517105.61  604.5117686.09  595.74
17798.87   587.518195.98  586.2118298.43  578.0118459.66  567.3318986.47  567.33
19143.72   570.919294.48  595.7419378.89  608.6119396.97  610.6319623.87  621.29
20042.69  627.4620456.96  627.1722466.67  620.6522576.34  620.6522794.77   621.8
23127.83  621.43 24066.6  626.3924311.56  634.2625906.37  642.1326270.29  645.87
26673.03  650.6927292.09   667.527505.26  667.8728565.89  667.8729170.53  665.74
29431.14  665.7429977.44  657.8730203.65   653.330366.91  650.3430500.15  642.75
 30641.6  643.04 30921.4  651.4931227.59  654.0832272.63  667.1432904.79  671.17
33825.97  691.9533961.76  692.8234548.96  683.78    34582     68436098.64  710.71
37091.55  715.2537279.47  720.5137614.36  734.7537653.81  735.9337945.58   742.5
 38261.2  754.0338411.67  758.52 39148.6     79039810.87  795.2340144.84     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517686.09     .1519294.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17686.0919294.48                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.79    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
```

```
  W.S. Elev (ft)            759.73    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507466.00   293896.60   1872402.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507466.00   293896.60   1872402.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2593535.00   794782.80   3341682.00
  Top Width (ft)          37026.03    Top Width (ft)          16272.10    1608.39   19145.54
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.72       2.70       1.78
  Max Chl Dpth (ft)         192.40    Hydr. Depth (ft)           92.64     182.73      97.80
  Conv. Total (cfs)       792837400.0    Conv. (cfs)            305535100.0   93630530.0   393671700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16288.57    1611.45   19149.28
  Min Ch El (ft)            567.33    Shear (lb/sq ft)            0.42       0.82       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       2.22       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    54270.54   10267.79   64957.61
  C & E Loss (ft)             0.00    Cum SA (acres)            407.07      43.29     464.34


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274587.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  203.74  790.97  662.87  772.61 1396.52  760.59 1581.13  751.67
 1875.96  745.03 2048.87  742.12 2410.43  742.12 2755.58  739.98  3682.6  726.39
 3756.74  722.29 3850.95  717.88 3862.63  717.65  4070.8  715.73 4256.51  712.12
 4404.12  708.32  4562.6  703.58 4949.99  694.09 5422.12   688.3 5773.49  685.46
 5924.69  683.95 6089.21  675.76 6159.99  667.75 6534.95  667.04 6896.18  671.97
  7041.9  674.24 7269.55  658.48 7441.73   650.6 7515.38  642.72 7566.07  642.72
 7721.65  648.22 7946.67   658.3 8011.81  659.72 8145.73  665.78 8521.64  668.55
 8571.19  673.47 8731.12  687.97 9034.33  681.24  9048.9  679.73 9227.55  664.83
 9371.03  664.57 9634.07  679.84 9814.85  679.5110004.24   663.410196.86  658.82
10346.07  651.31 10363.9  650.9210456.68  635.1610630.77  611.5210690.07  611.52
10733.54  618.71 10864.7  646.7510976.07  665.1611377.31  658.4611540.96   653.6
11598.72  650.5211818.93  646.8412080.05  646.7112390.76  641.5213047.89  633.64
14561.27  633.6414810.36  631.5215450.67  631.5215943.28   639.416005.45  647.28
16309.69   641.616316.91  639.3416427.28  637.1117109.28  604.5417689.88  595.76
 17802.8  587.5218200.39  586.2318302.97  578.0218464.39  567.3318991.45  567.33
19148.87   570.9 19299.8  595.76 19384.2  608.6119402.28  610.6319629.14  621.25
20047.92  627.4320462.15  627.1322471.62   620.622581.28   620.622799.69  621.76
23132.71   621.424071.38  626.3624316.31  634.2425910.93  642.1226274.81  645.86
 26677.5  650.6927296.49  667.5127509.63  667.8828570.15  667.8829174.72  665.76
 29435.3  665.7629981.53  657.8830207.72   653.330370.96  650.3430504.19  642.73
30645.62  643.0330925.39  651.4931231.54  654.0832276.46  667.1132908.55  671.15
33829.62  691.87 33965.4  692.7334552.54  683.7634585.57  683.9836102.03  710.62
37094.83  715.1837282.73  720.4537617.58  734.6837657.03  735.8637948.77  742.45
38264.35  753.99 38414.8  758.4839151.65     79039813.84  795.2440147.78     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517689.88     .15 19299.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17689.88 19299.8                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.79    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507440.00   294157.50   1872721.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507440.00   294157.50   1872721.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2592579.00   795298.30   3342123.00
  Top Width (ft)          37029.73    Top Width (ft)          16275.58    1609.92   19144.24
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.72       2.70       1.78
  Max Chl Dpth (ft)         192.40    Hydr. Depth (ft)           92.62     182.72      97.82
  Conv. Total (cfs)       792993700.0    Conv. (cfs)            305482700.0   93709740.0   393801300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16292.07    1612.98   19147.97
  Min Ch El (ft)            567.33    Shear (lb/sq ft)            0.42       0.82       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       2.22       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    54097.50   10234.04   64742.66
  C & E Loss (ft)             0.00    Cum SA (acres)            405.20      43.11     462.14


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274584.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  203.78  790.96  663.01   772.6 1396.82  760.59 1581.47  751.66
 1876.36  745.03 2049.31  742.11 2410.95  742.11 2756.17  739.97 3683.39   726.4
 3757.54  722.31 3851.78  717.89 3863.46  717.66 4071.68  715.72 4257.43  712.11
 4405.06  708.31 4563.58  703.56 4951.05  694.07 5423.28  688.29 5774.73  685.44
 5925.96  683.94 6090.51  675.74 6161.31  667.71 6536.35  667.01 6897.66  671.95
 7043.41  674.22 7271.11  658.44 7443.32  650.55 7516.99  642.66  7567.7  642.66
 7723.31  648.17 7948.37  658.24 8013.53  659.67 8147.47  665.75 8523.47  668.56
 8573.03  673.49 8732.99  688.03 9036.27  681.33 9050.84  679.82 9229.53   664.9
 9373.04  664.64 9636.14  679.93 9816.96   679.610006.39  663.4710199.05  658.89
10348.29   651.410366.12  651.0110458.92  635.2310633.04  611.5610692.36  611.56
10735.84  618.7610867.03   646.810978.42  665.2311379.75  658.5211543.44  653.67
11601.21  650.5911821.46  646.9112082.64  646.7612393.42  641.5613050.69  633.67
 14564.4  633.6714813.54  631.5615453.98  631.56 15946.7  639.4516008.88  647.34
16313.18  641.65 16320.4   639.4 16430.8  637.1717112.95  604.5617693.68  595.78
17806.73  587.53 18204.8  586.2518307.51  578.0318469.13  567.3318996.43  567.33
19154.02  570.8919305.11  595.7819389.51  608.6119407.58  610.6219634.42  621.21
20053.15  627.3920467.33  627.0922476.58  620.5522586.22  620.5522804.61  621.71
23137.58  621.3624076.15  626.3324321.05  634.2225915.49  642.1126279.33  645.86
26681.97  650.69 27300.9  667.5327514.01  667.8928574.41  667.8929178.91  665.78
29439.46  665.7829985.63  657.8930211.79  653.3130375.02  650.3430508.23  642.72
30649.64  643.0130929.38  651.4831235.49  654.07 32280.3  667.0832912.31  671.12
33833.29  691.7833969.04  692.6534556.11  683.7434589.14  683.9536105.43  710.53
37098.11  715.1137285.99  720.3937620.81  734.6137660.25  735.7937951.95   742.4
 38267.5  753.9438417.94  758.44 39154.7     79039816.82  795.2440150.71     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517693.68     .1519305.11     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17693.6819305.11                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.79    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507433.00   294419.00   1873076.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507433.00   294419.00   1873076.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2591609.00   795803.30   3342588.00
  Top Width (ft)          37033.47    Top Width (ft)          16279.08    1611.43   19142.96
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.72       2.70       1.78
  Max Chl Dpth (ft)         192.40    Hydr. Depth (ft)           92.60     182.71      97.85
  Conv. Total (cfs)       793169300.0    Conv. (cfs)            305436000.0   93790000.0   393943200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16295.61    1614.49   19146.69
  Min Ch El (ft)            567.33    Shear (lb/sq ft)            0.42       0.82       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.71       2.22       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    53924.47   10200.26   64527.68
  C & E Loss (ft)             0.00    Cum SA (acres)            403.34      42.92     459.94


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274581.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  203.83  790.96  663.15  772.59 1397.12  760.58 1581.81  751.65
 1876.77  745.02 2049.74   742.1 2411.46   742.1 2756.77  739.96 3684.18  726.42
 3758.35  722.32  3852.6   717.9 3864.29  717.67 4072.55  715.72 4258.34   712.1
 4406.01  708.29 4564.56  703.55 4952.11  694.05 5424.45  688.27 5775.96  685.43
 5927.23  683.92 6091.82  675.71 6162.63  667.68 6537.75  666.98 6899.14  671.93
 7044.92   674.2 7272.67   658.4 7444.92   650.5  7518.6   642.6 7569.32   642.6
 7724.96  648.11 7950.08  658.19 8015.25  659.62 8149.22  665.72 8525.29  668.57
 8574.86  673.51 8734.86  688.08 9038.21  681.42 9052.78  679.91 9231.51  664.97
 9375.05  664.71  9638.2  680.03 9819.06   679.710008.53  663.5510201.24  658.97
10350.51  651.4910368.34   651.110461.16   635.310635.32   611.610694.65   611.6
10738.14   618.810869.36  646.8410980.78   665.311382.19  658.5811545.91  653.74
11603.69  650.67   11824  646.9812085.23  646.8112396.08   641.613053.49   633.7
14567.52   633.714816.71   631.6 15457.3   631.615950.12   639.516012.32   647.4
16316.68   641.7 16323.9  639.4716434.32  637.2317116.61  604.5917697.47   595.8
17810.66  587.5418209.22  586.2718312.04  578.0418473.86  567.3319001.41  567.33
19159.17  570.8919310.43   595.819394.81  608.6119412.89  610.62 19639.7  621.18
20058.38  627.3620472.51  627.0522481.53   620.522591.16   620.522809.52  621.66
23142.46  621.3224080.92   626.324325.79   634.225920.05   642.126283.85  645.85
26686.45  650.68 27305.3  667.5427518.39   667.928578.67   667.9 29183.1   665.8
29443.62   665.829989.72   657.930215.86  653.3130379.07  650.3330512.27  642.71
30653.66     64330933.37  651.4731239.45  654.0632284.13  667.0532916.07   671.1
33836.94  691.6933972.68  692.5634559.69  683.7234592.71  683.9336108.83  710.44
 37101.4  715.0337289.25  720.3237624.03  734.5437663.47  735.7237955.14  742.35
38270.65   753.938421.07   758.439157.75     79039819.79  795.2540153.65     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517697.47     .1519310.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17697.4719310.43                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.79    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507411.00   294682.40   1873429.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507411.00   294682.40   1873429.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2590602.00   796317.70   3343081.00
  Top Width (ft)          37037.38    Top Width (ft)          16282.77    1612.96   19141.65
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.72       2.70       1.78
  Max Chl Dpth (ft)         192.40    Hydr. Depth (ft)           92.58     182.70      97.87
  Conv. Total (cfs)       793337700.0    Conv. (cfs)            305382200.0   93870560.0   394085000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16299.31    1616.02   19145.38
  Min Ch El (ft)            567.33    Shear (lb/sq ft)            0.42       0.82       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.71       2.21       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    53751.45   10166.45   64312.66
  C & E Loss (ft)             0.00    Cum SA (acres)            401.47      42.74     457.75


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274578.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  203.87  790.96  663.29  772.58 1397.42  760.58 1582.14  751.64
 1877.17  745.01 2050.18  742.09 2411.98  742.09 2757.36  739.94 3684.97  726.44
 3759.16  722.34 3853.43  717.91 3865.11  717.68 4073.42  715.71 4259.25  712.09
 4406.95  708.28 4565.54  703.53 4953.18  694.03 5425.61  688.26  5777.2  685.41
  5928.5   683.9 6093.12  675.68 6163.95  667.64 6539.15  666.94 6900.61  671.91
 7046.43  674.18 7274.23  658.36 7446.51  650.45 7520.21  642.54 7570.94  642.54
 7726.62  648.06 7951.78  658.14 8016.97  659.58 8150.97   665.7 8527.12  668.57
  8576.7  673.52 8736.73  688.14 9040.14  681.51 9054.72     680 9233.49  665.04
 9377.06  664.78 9640.27  680.12 9821.17   679.810010.68  663.6310203.42  659.04
10352.73  651.5810370.56  651.19 10463.4  635.37 10637.6  611.6410696.95  611.64
10740.44  618.8510871.69  646.8910983.13  665.3711384.63  658.6411548.38   653.8
11606.18  650.7511826.53  647.0512087.82  646.8512398.73  641.6413056.29  633.73
14570.64  633.7314819.89  631.6415460.61  631.6415953.53  639.5516015.75  647.46
16320.18  641.76 16327.4  639.5316437.84  637.2917120.28  604.6117701.26  595.82
17814.59  587.5518213.63  586.2818316.58  578.0518478.59  567.3319006.39  567.33
19164.32  570.8819315.75  595.8219400.12   608.619418.19  610.6219644.98  621.14
20063.61  627.32 20477.7  627.0122486.49  620.4522596.11  620.4522814.44  621.61
23147.34  621.2924085.69  626.2724330.54  634.1825924.62  642.0926288.37  645.84
26690.92  650.68 27309.7  667.5527522.77  667.9128582.93  667.9129187.29  665.82
29447.78  665.8229993.82  657.9130219.93  653.3230383.12  650.33 30516.3   642.7
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30657.68  642.9830937.36  651.47 31243.4  654.0532287.97  667.0232919.84  671.07
 33840.6  691.6133976.32  692.4834563.26   683.734596.28  683.9136112.23  710.36
37104.68  714.9637292.52  720.2637627.25  734.4737666.69  735.6637958.32  742.31
 38273.8  753.85 38424.2  758.36 39160.8     79039822.76  795.2640156.59     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517701.26     .1519315.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17701.2619315.75                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.79    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507407.00   294950.20   1873749.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507407.00   294950.20   1873749.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2589670.00   796851.00   3343479.00
  Top Width (ft)          37041.09    Top Width (ft)          16286.27    1614.49   19140.34
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.72       2.70       1.78
  Max Chl Dpth (ft)         192.40    Hydr. Depth (ft)           92.56     182.69      97.90
  Conv. Total (cfs)       793505500.0    Conv. (cfs)            305336900.0   93953300.0   394215400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16302.84    1617.56   19144.06
  Min Ch El (ft)            567.33    Shear (lb/sq ft)            0.42       0.82       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.71       2.21       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    53578.42   10132.61   64097.61
  C & E Loss (ft)             0.00    Cum SA (acres)            399.60      42.55     455.55


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274575.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  203.91  790.95  663.44  772.57 1397.72  760.58 1582.48  751.63
 1877.57  745.01 2050.62  742.08  2412.5  742.08 2757.95  739.93 3685.76  726.46
 3759.96  722.35 3854.25  717.92 3865.94  717.69 4074.29  715.71 4260.17  712.08
  4407.9  708.26 4566.51  703.51 4954.24  694.01 5426.77  688.24 5778.44  685.39
 5929.77  683.88 6094.43  675.66 6165.27   667.6 6540.55  666.91 6902.09  671.88
 7047.94  674.16 7275.79  658.32 7448.11   650.4 7521.82  642.48 7572.56  642.48
 7728.27  648.01 7953.49  658.09 8018.68  659.53 8152.71  665.67 8528.95  668.58
 8578.54  673.54  8738.6   688.2 9042.08   681.6 9056.66  680.09 9235.46  665.12
 9379.07  664.86 9642.33  680.22 9823.27  679.8910012.83  663.7110205.61  659.12
10354.95  651.6710372.79  651.2810465.65  635.4410639.88  611.6810699.24  611.68
10742.75   618.910874.02  646.9410985.48  665.4411387.07   658.711550.86  653.87
11608.67  650.8211829.06  647.1212090.41   646.912401.39  641.6813059.08  633.76
14573.76  633.7614823.06  631.6815463.92  631.6815956.95   639.616019.18  647.52
16323.67  641.81 16330.9  639.5916441.37  637.3517123.95  604.6417705.06  595.84
17818.52  587.5618218.04   586.318321.12  578.0618483.33  567.3319011.37  567.33
19169.48  570.8819321.06  595.8419405.43   608.6 19423.5  610.6119650.26   621.1
20068.84  627.2920482.88  626.9722491.44   620.422601.05   620.422819.36  621.56
23152.22  621.2524090.46  626.2424335.28  634.1625929.18  642.0826292.89  645.84
 26695.4  650.6827314.11  667.5627527.15  667.9228587.18  667.9229191.48  665.84
29451.94  665.8429997.92  657.92   30224  653.3230387.17  650.3330520.34  642.68
 30661.7  642.9730941.35  651.4631247.36  654.05 32291.8  666.99 32923.6  671.05
33844.25  691.5233979.96  692.3934566.84  683.6834599.85  683.8936115.62  710.27
37107.96  714.8937295.78   720.237630.48   734.437669.91  735.5937961.51  742.26
38276.95  753.8138427.34  758.3239163.85     79039825.74  795.2640159.52     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517705.06     .1519321.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17705.0619321.06                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507385.00   295210.20   1874084.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507385.00   295210.20   1874084.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2588701.00   797361.40   3343937.00
  Top Width (ft)          37044.82    Top Width (ft)          16289.78    1616.00   19139.04
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.72       2.70       1.78
  Max Chl Dpth (ft)         192.40    Hydr. Depth (ft)           92.54     182.68      97.92
  Conv. Total (cfs)       793668800.0    Conv. (cfs)            305285500.0   94032820.0   394350500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16306.37    1619.07   19142.76
  Min Ch El (ft)            567.33    Shear (lb/sq ft)            0.41       0.82       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.71       2.21       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    53405.39   10098.74   63882.51
  C & E Loss (ft)             0.00    Cum SA (acres)            397.73      42.37     453.35


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274573.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  203.96  790.95  663.58  772.55 1398.02  760.58 1582.82  751.63
 1877.97     745 2051.06  742.07 2413.01  742.07 2758.54  739.92 3686.55  726.47
 3760.77  722.37 3855.08  717.93 3866.77   717.7 4075.17   715.7 4261.08  712.07
 4408.84  708.25 4567.49   703.5  4955.3  693.99 5427.94  688.23 5779.68  685.37
 5931.04  683.86 6095.74  675.63 6166.59  667.57 6541.95  666.88 6903.57  671.86
 7049.45  674.14 7277.35  658.28 7449.71  650.35 7523.44  642.42 7574.19  642.42
 7729.93  647.96 7955.19  658.03  8020.4  659.49 8154.46  665.64 8530.77  668.59
 8580.38  673.56 8740.48  688.26 9044.02  681.69  9058.6  680.17 9237.44  665.19
 9381.07  664.93  9644.4  680.31 9825.38  679.9910014.97  663.7910207.79  659.19
10357.17  651.7610375.01  651.3710467.89  635.5110642.16  611.7210701.53  611.72
10745.05  618.9510876.35  646.9810987.84  665.5111389.51  658.7611553.33  653.94
11611.16   650.9 11831.6   647.2   12093  646.9512404.05  641.7213061.88  633.79
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14576.88  633.7914826.24  631.7215467.23  631.7215960.37  639.6516022.61  647.58
16327.17  641.86 16334.4  639.6516444.89  637.4117127.62  604.6717708.85  595.86
17822.45  587.5718222.46  586.3218325.66  578.0718488.06  567.3319016.35  567.33
19174.63  570.8719326.38  595.8619410.73   608.6 19428.8  610.6119655.54  621.07
20074.07  627.2520488.07  626.92 22496.4  620.3522605.99  620.3522824.27  621.51
 23157.1  621.2124095.23  626.2124340.03  634.1425933.74  642.0726297.41  645.83
26699.87  650.6827318.51  667.5727531.53  667.9328591.44  667.9329195.67  665.86
 29456.1  665.8630002.01  657.9330228.07  653.3230391.22  650.3330524.38  642.67
30665.72  642.9630945.34  651.4531251.31  654.0432295.63  666.9632927.36  671.03
33847.91  691.4333983.61  692.3134570.41  683.6634603.42  683.8736119.02  710.18
37111.25  714.8237299.04  720.13 37633.7  734.3337673.13  735.52 37964.7  742.21
 38280.1  753.7638430.47  758.2839166.89     79039828.71  795.2740162.45     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517708.85     .1519326.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17708.8519326.38                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507361.00   295475.30   1874439.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507361.00   295475.30   1874439.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2587700.00   797878.00   3344423.00
  Top Width (ft)          37048.51    Top Width (ft)          16293.26    1617.53   19137.72
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.72       2.70       1.78
  Max Chl Dpth (ft)         192.40    Hydr. Depth (ft)           92.51     182.67      97.94
  Conv. Total (cfs)       793840800.0    Conv. (cfs)             305233500.0   94114140.0   394493200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16309.87    1620.60   19141.44
  Min Ch El (ft)            567.33    Shear (lb/sq ft)            0.41       0.82       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.71       2.21       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    53232.37   10064.84   63667.37
  C & E Loss (ft)             0.00    Cum SA (acres)            395.86      42.18     451.15


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274570.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800     204  790.94  663.72  772.54 1398.32  760.57 1583.16  751.62
 1878.38     745  2051.5  742.06 2413.53  742.06 2759.13  739.91 3687.34  726.49
 3761.57  722.38  3855.9  717.94  3867.6  717.71 4076.04   715.7 4261.99  712.06
 4409.79  708.23 4568.47  703.48 4956.36  693.97  5429.1  688.21 5780.92  685.35
 5932.31  683.84 6097.04   675.6 6167.91  667.53 6543.35  666.84 6905.05  671.84
 7050.96  674.12 7278.91  658.24  7451.3   650.3 7525.05  642.36 7575.81  642.36
 7731.58   647.9 7956.89  657.98 8022.12  659.44 8156.21  665.61  8532.6  668.59
 8582.22  673.57 8742.35  688.31 9045.96  681.77 9060.54  680.26 9239.42  665.26
 9383.08     665 9646.47  680.41 9827.48  680.0910017.12  663.8710209.98  659.27
10359.38  651.8510377.23  651.4610470.13  635.5810644.44  611.7610703.82  611.76
10747.35     61910878.68  647.0310990.19  665.5811391.95  658.8211555.81  654.01
11613.64  650.9811834.13  647.2712095.59  646.99 12406.7  641.7613064.68  633.82
14580.01  633.8214829.41  631.7615470.55  631.7615963.79   639.716026.04  647.64
16330.67  641.91 16337.9  639.7216448.41  637.4717131.29  604.6917712.64  595.88
17826.38  587.5918226.87  586.34 18330.2  578.08 18492.8  567.3319021.33  567.33
19179.78  570.87 19331.7  595.8819416.04   608.619434.11  610.6119660.82  621.03
20079.31  627.2220493.25  626.8822501.35   620.322610.93   620.322829.19  621.46
23161.98  621.1824100.01  626.1824344.77  634.12 25938.3  642.0626301.93  645.83
26704.35  650.6727322.91  667.5827535.91  667.94 28595.7  667.9429199.86  665.88
29460.25  665.8830006.11  657.9430232.14  653.3330395.28  650.3330528.41  642.66
30669.74  642.9430949.33  651.4431255.26  654.0332299.47  666.9332931.12     671
33851.57  691.3533987.25  692.2234573.98  683.6434606.99  683.8536122.42  710.09
37114.54  714.75 37302.3  720.0737636.93  734.2637676.35  735.4537967.88  742.16
38283.25  753.71 38433.6  758.2439169.95     79039831.68  795.2840165.39     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517712.64     .15 19331.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17712.64 19331.7                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507359.00   295735.60   1874779.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507359.00   295735.60   1874779.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2586749.00   798376.90   3344874.00
  Top Width (ft)          37052.41    Top Width (ft)          16296.94    1619.06   19136.41
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.72       2.70       1.78
  Max Chl Dpth (ft)         192.40    Hydr. Depth (ft)           92.49     182.66      97.97
  Conv. Total (cfs)       794010600.0    Conv. (cfs)             305186600.0   94193130.0   394630800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16313.57    1622.13   19140.12
  Min Ch El (ft)            567.33    Shear (lb/sq ft)            0.41       0.82       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.71       2.21       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    53059.35   10030.91   63452.20
  C & E Loss (ft)             0.00    Cum SA (acres)            393.99      42.00     448.96


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274567.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  204.04  790.94  663.86  772.53 1398.62  760.57  1583.5  751.61
 1878.78  744.99 2051.94  742.05 2414.05  742.05 2759.72  739.89 3688.13  726.51
 3762.38   722.4 3856.73  717.95 3868.43  717.72 4076.91  715.69  4262.9  712.05
 4410.73  708.22 4569.45  703.46 4957.42  693.95 5430.26   688.2 5782.15  685.33
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 5933.58  683.82 6098.35  675.57 6169.24  667.49 6544.75  666.81 6906.53  671.81
 7052.47   674.1 7280.46   658.2  7452.9  650.25 7526.66   642.3 7577.43   642.3
 7733.24  647.85  7958.6  657.93 8023.84  659.39 8157.95  665.59 8534.43   668.6
 8584.05  673.59 8744.22  688.37 9047.89  681.86 9062.48  680.35  9241.4  665.33
 9385.09  665.07 9648.53  680.51 9829.58  680.1810019.26  663.9410212.17  659.34
 10361.6  651.9410379.45  651.5510472.37  635.6510646.72   611.810706.11   611.8
10749.65  619.0510881.01  647.0810992.54  665.6511394.39  658.8911558.28  654.08
11616.13  651.0511836.67  647.3412098.18  647.0412409.36   641.813067.48  633.85
14583.13  633.8514832.59   631.815473.86   631.815967.21  639.7516029.47   647.7
16334.17  641.97 16341.4  639.7816451.93  637.5417134.96  604.7217716.44   595.9
17830.31   587.618231.28  586.3618334.73  578.0918497.53  567.33 19026.3  567.33
19184.93  570.8719337.02   595.919421.35   608.619439.42  610.61 19666.1  620.99
20084.54  627.1820498.44  626.8422506.31  620.2522615.88  620.2522834.11  621.42
23166.86  621.1424104.78  626.1524349.51   634.125942.86  642.0526306.45  645.82
26708.82  650.6727327.32   667.627540.29  667.9528599.96  667.9529204.04   665.9
29464.41   665.930010.21  657.9530236.21  653.3330399.33  650.3330532.45  642.64
30673.76  642.9330953.31  651.4431259.21  654.02 32303.3  666.9132934.89  670.98
33855.23  691.2633990.89  692.1434577.56  683.6234610.56  683.8336125.81     710
37117.82  714.6837305.57  720.0137640.15  734.1937679.57  735.3837971.07  742.12
 38286.4  753.6738436.73   758.239172.99     79039834.66  795.2840168.32     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517716.44     .1519337.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17716.4419337.02                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507339.00   295997.60   1875100.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507339.00   295997.60   1875100.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2585796.00   798894.90   3345309.00
  Top Width (ft)          37056.13    Top Width (ft)          16300.45    1620.58   19135.09
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.72       2.70       1.78
  Max Chl Dpth (ft)         192.40    Hydr. Depth (ft)           92.47     182.65      97.99
  Conv. Total (cfs)       794170600.0    Conv. (cfs)            305135700.0   94273230.0   394761600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16317.11    1623.66   19138.80
  Min Ch El (ft)            567.33    Shear (lb/sq ft)            0.41       0.82       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.71       2.21       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    52886.33    9996.95   63236.98
  C & E Loss (ft)             0.00    Cum SA (acres)            392.12      41.81     446.76


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274564.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  204.09  790.93  664.01  772.52 1398.91  760.57 1583.84   751.6
 1879.18  744.98 2052.38  742.04 2414.57  742.04 2760.31  739.88 3688.92  726.52
 3763.18  722.41 3857.56  717.96 3869.26  717.73 4077.79  715.68 4263.82  712.04
 4411.68   708.2 4570.43  703.44 4958.48  693.93 5431.42  688.18 5783.39  685.31
 5934.85  683.81 6099.65  675.55 6170.56  667.46 6546.16  666.78 6908.01  671.79
 7053.98  674.08 7282.02  658.16 7454.49   650.2 7528.27  642.24 7579.05  642.24
  7734.9   647.8  7960.3  657.87 8025.56  659.35  8159.7  665.56 8536.26  668.61
 8585.89  673.61 8746.09  688.43 9049.83  681.95 9064.42  680.44 9243.38   665.4
  9387.1  665.15  9650.6   680.6 9831.69  680.2810021.41  664.0210214.35  659.42
10363.82  652.0310381.67  651.6410474.62  635.72   10649  611.8410708.41  611.84
10751.95   619.110883.34  647.12 10994.9  665.7211396.83  658.9511560.76  654.14
11618.62  651.13 11839.2  647.4112100.77  647.0812412.02  641.8413070.27  633.88
14586.25  633.8814835.76  631.8415477.17  631.8415970.63   639.816032.91  647.76
16337.66  642.0216344.89  639.8416455.46   637.617138.62  604.7417720.23  595.92
17834.24  587.61 18235.7  586.3718339.27  578.0918502.26  567.3219031.28  567.32
19190.08  570.8619342.33  595.9219426.66   608.619444.72   610.619671.38  620.96
20089.77  627.1520503.62   626.822511.26   620.222620.82   620.222839.03  621.37
23171.74  621.1124109.55  626.1224354.26  634.0825947.43  642.0426310.97  645.82
26713.29  650.6727331.72  667.6127544.67  667.9628604.21  667.9629208.23  665.92
29468.57  665.92 30014.3  657.9630240.29  653.3430403.38  650.3330536.49  642.63
30677.78  642.91 30957.3  651.4331263.17  654.0232307.14  666.8832938.65  670.95
33858.88  691.1833994.53  692.0534581.13   683.634614.13  683.8136129.21  709.92
 37121.1   714.637308.83  719.9537643.38  734.1237682.79  735.3137974.25  742.07
38289.55  753.6238439.87  758.1639176.04     79039837.63  795.2940171.26     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517720.23     .1519342.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17720.2319342.33                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507331.00   296271.30   1875422.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507331.00   296271.30   1875422.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2584846.00   799455.10   3345699.00
  Top Width (ft)          37059.85    Top Width (ft)          16303.96    1622.10   19133.79
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.71       2.70       1.78
  Max Chl Dpth (ft)         192.41    Hydr. Depth (ft)           92.45     182.65      98.02
  Conv. Total (cfs)       794341100.0    Conv. (cfs)            305089100.0   94359590.0   394892400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16320.64    1625.18   19137.49
  Min Ch El (ft)            567.32    Shear (lb/sq ft)            0.41       0.82       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.71       2.20       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    52713.31    9962.95   63021.73
  C & E Loss (ft)             0.00    Cum SA (acres)            390.25      41.62     444.57


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274561.*
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INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  204.13  790.93  664.15   772.5 1399.21  760.56 1584.18   751.6
 1879.58  744.98 2052.82  742.03 2415.08  742.03  2760.9  739.87 3689.71  726.54
 3763.99  722.43 3858.38  717.97 3870.08  717.74 4078.66  715.68 4264.73  712.03
 4412.62  708.19 4571.41  703.43 4959.54  693.91 5432.59  688.17 5784.63   685.3
 5936.12  683.79 6100.96  675.52 6171.88  667.42 6547.56  666.74 6909.49  671.77
 7055.49  674.06 7283.58  658.12 7456.09  650.15 7529.88  642.18 7580.68  642.18
 7736.55  647.74    7962  657.82 8027.27   659.3 8161.44  665.53 8538.08  668.61
 8587.73  673.63 8747.96  688.48 9051.77  682.04 9066.37  680.53 9245.36  665.47
 9389.11  665.22 9652.66   680.7 9833.79  680.3810023.55   664.110216.54  659.49
10366.04  652.12 10383.9  651.7310476.86  635.7910651.28  611.88 10710.7  611.88
10754.25  619.1510885.67  647.1710997.25  665.7911399.27  659.0111563.23  654.21
 11621.1  651.2111841.73  647.4812103.36  647.1312414.67  641.8813073.07  633.91
14589.37  633.9114838.94  631.8815480.49  631.8815974.04  639.8516036.34  647.82
16341.16  642.0716348.39  639.9116458.98  637.6617142.29  604.7717724.02  595.94
17838.17  587.6218240.11  586.3918343.81   578.1   18507  567.3219036.26  567.32
19195.23  570.8619347.65  595.9419431.96  608.5919450.03   610.619676.66  620.92
   20095  627.11 20508.8  626.7622516.22  620.1522625.76  620.1522843.94  621.32
23176.62  621.0724114.32  626.09   24359  634.0625951.99  642.0326315.49  645.81
26717.77  650.6627336.12  667.6227549.04  667.9728608.47  667.9729212.42  665.94
29472.73  665.94 30018.4  657.9730244.36  653.3430407.43  650.3230540.52  642.62
 30681.8   642.930961.29  651.4231267.12  654.0132310.97  666.8532942.41  670.93
33862.54  691.0933998.17  691.9734584.71  683.58 34617.7  683.7936132.61  709.83
37124.39  714.5337312.09  719.88 37646.6  734.0537686.01  735.2437977.44  742.02
 38292.7  753.58   38443  758.1239179.09     790 39840.6   795.3 40174.2     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517724.02     .1519347.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17724.0219347.65                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507303.00   296534.80   1875773.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507303.00   296534.80   1875773.00
  Q Total (cfs)           6730000.00    Flow (cfs)            2583837.00   799969.10   3346194.00
  Top Width (ft)          37063.72    Top Width (ft)          16307.62    1623.63   19132.47
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.71       2.70       1.78
  Max Chl Dpth (ft)         192.41    Hydr. Depth (ft)           92.43     182.64      98.04
  Conv. Total (cfs)       794507800.0    Conv. (cfs)            305034000.0   94440080.0   395033800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16324.33    1626.71   19136.16
  Min Ch El (ft)            567.32    Shear (lb/sq ft)            0.41       0.82       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.71       2.20       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    52540.30    9928.93   62806.44
  C & E Loss (ft)             0.00    Cum SA (acres)            388.37      41.44     442.37


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274558.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  204.18  790.92  664.29  772.49 1399.51  760.56 1584.52  751.59
 1879.99  744.97 2053.26  742.02  2415.6  742.02 2761.49  739.85  3690.5  726.56
 3764.79  722.45 3859.21  717.98 3870.91  717.75 4079.53  715.67 4265.64  712.02
 4413.56  708.17 4572.38  703.41 4960.61  693.89 5433.75  688.15 5785.87  685.28
 5937.39  683.77 6102.26  675.49  6173.2  667.38 6548.96  666.71 6910.97  671.75
    7057  674.04 7285.14  658.08 7457.68   650.1 7531.49  642.12  7582.3  642.12
 7738.21  647.69 7963.71  657.77 8028.99  659.26 8163.19   665.5 8539.91  668.62
 8589.57  673.64 8749.84  688.54  9053.7  682.13 9068.31  680.62 9247.33  665.55
 9391.12  665.29 9654.73  680.79  9835.9  680.47 10025.7  664.1810218.73  659.57
10368.26  652.2210386.12  651.82 10479.1  635.8610653.56  611.9210712.99  611.92
10756.55   619.2   10888  647.22 10999.6  665.8611401.71  659.0711565.71  654.28
11623.59  651.2811844.27  647.5612105.95  647.1812417.33  641.9213075.87  633.94
 14592.5  633.9414842.12  631.92 15483.8  631.9215977.46   639.916039.77  647.88
16344.66  642.1216351.89  639.97 16462.5  637.7217145.96  604.7917727.81  595.96
 17842.1  587.6318244.52  586.4118348.35  578.1118511.73  567.3219041.24  567.32
19200.38  570.8519352.97  595.9619437.27  608.5919455.33   610.619681.94  620.88
20100.23  627.0820513.99  626.7222521.17   620.1 22630.7   620.122848.86  621.27
 23181.5  621.0324119.09  626.0624363.75  634.0425956.55  642.0226320.01  645.81
26722.24  650.6627340.53  667.6327553.43  667.9828612.73  667.9829216.61  665.96
29476.89  665.96 30022.5  657.9830248.43  653.3530411.48  650.3230544.56   642.6
30685.82  642.8830965.28  651.4231271.08     65432314.81  666.8232946.17  670.91
 33866.2     69134001.81  691.8834588.28  683.5634621.27  683.77   36136  709.74
37127.67  714.4637315.35  719.8237649.82  733.9837689.23  735.1737980.63  741.97
38295.85  753.5338446.13  758.0839182.14     79039843.57   795.340177.13     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517727.81     .1519352.97     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17727.8119352.97                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507296.00   296799.50   1876110.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507296.00   296799.50   1876110.00
  Q Total (cfs)           6730000.00    Flow (cfs)            2582885.00   800484.10   3346631.00
  Top Width (ft)          37067.42    Top Width (ft)          16311.12    1625.16   19131.14
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.71       2.70       1.78
  Max Chl Dpth (ft)         192.41    Hydr. Depth (ft)           92.41     182.63      98.07
  Conv. Total (cfs)       794679400.0    Conv. (cfs)            304987500.0   94521290.0   395170700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16327.85    1628.24   19134.83
  Min Ch El (ft)            567.32    Shear (lb/sq ft)            0.41       0.82       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.71       2.20       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    52367.28    9894.88   62591.11
  C & E Loss (ft)             0.00    Cum SA (acres)            386.50      41.25     440.17
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CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274555.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  204.22  790.92  664.43  772.48 1399.81  760.56 1584.86  751.58
 1880.39  744.96  2053.7  742.01 2416.12  742.01 2762.08  739.84 3691.29  726.58
  3765.6  722.46 3860.03  717.99 3871.74  717.76  4080.4  715.67 4266.55  712.01
 4414.51  708.16 4573.36  703.39 4961.67  693.87 5434.91  688.14 5787.11  685.26
 5938.66  683.75 6103.57  675.46 6174.52  667.35 6550.36  666.68 6912.44  671.72
 7058.51  674.02  7286.7  658.04 7459.28  650.05  7533.1  642.06 7583.92  642.06
 7739.86  647.64 7965.41  657.71 8030.71  659.21 8164.94  665.48 8541.74  668.63
  8591.4  673.66 8751.71   688.6 9055.64  682.22 9070.25   680.7 9249.31  665.62
 9393.13  665.37 9656.79  680.89    9838  680.5710027.84  664.2610220.91  659.64
10370.48  652.3110388.34  651.9110481.34  635.9310655.84  611.9610715.28  611.96
10758.86  619.2510890.33  647.2611001.96  665.9311404.15  659.1311568.18  654.35
11626.08  651.36 11846.8  647.6312108.54  647.2212419.99  641.9613078.67  633.97
14595.62  633.9714845.29  631.9615487.11  631.9615980.88  639.95 16043.2  647.94
16348.15  642.1816355.39  640.0316466.02  637.7817149.63  604.8217731.61  595.98
17846.03  587.6418248.94  586.4318352.89  578.1218516.47  567.3219046.22  567.32
19205.54  570.8519358.28  595.9819442.58  608.5919460.64  610.5919687.22  620.85
20105.46  627.0420519.17  626.6722526.12  620.0522635.64  620.0522853.78  621.22
23186.38     62124123.86  626.0324368.49  634.0225961.11  642.0126324.53   645.8
26726.71  650.6627344.93  667.64 27557.8  667.9928616.99  667.99 29220.8  665.98
29481.05  665.9830026.59  657.99 30252.5  653.3530415.54  650.32 30548.6  642.59
30689.84  642.8730969.27  651.4131275.03  653.9932318.64  666.7932949.93  670.88
33869.85  690.9234005.46   691.834591.86  683.5434624.84  683.75 36139.4  709.65
37130.95  714.3937318.62  719.7637653.05  733.9137692.45  735.1137983.81  741.92
   38299  753.4938449.27  758.0439185.19     79039846.55  795.3140180.07     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517731.61     .1519358.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17731.6119358.28                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507271.00   297059.30   1876457.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507271.00   297059.30   1876457.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2581900.00   800987.80   3347113.00
  Top Width (ft)          37071.13    Top Width (ft)          16314.63    1626.67   19129.83
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.71       2.70       1.78
  Max Chl Dpth (ft)         192.41    Hydr. Depth (ft)           92.39     182.62      98.09
  Conv. Total (cfs)       794846600.0    Conv. (cfs)            304935300.0   94600650.0   395310700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16331.38    1629.76   19133.52
  Min Ch El (ft)            759.32    Shear (lb/sq ft)            0.41       0.82       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.71       2.20       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    52194.27    9860.80   62375.75
  C & E Loss (ft)             0.00    Cum SA (acres)            384.63      41.06     437.98


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274552.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  204.26  790.91  664.57  772.47 1400.11  760.56  1585.2  751.57
 1880.79  744.96 2054.14     742 2416.63     742 2762.67  739.83 3692.08  726.59
  3766.4  722.48 3860.86     718 3872.57  717.77 4081.28  715.66 4267.47     712
 4415.45  708.14 4574.34  703.38 4962.73  693.86 5436.07  688.12 5788.34  685.24
 5939.93  683.73 6104.88  675.44 6175.84  667.31 6551.76  666.64 6913.92   671.7
 7060.02     674 7288.26     658 7460.87     650 7534.72     642 7585.54     642
 7741.52  647.58 7967.12  657.66 8032.43  659.17 8166.68  665.45 8543.56  668.63
 8593.24  673.68 8753.58  688.65 9057.58   682.3 9072.19  680.79 9251.29  665.69
 9395.14  665.44 9658.86  680.98 9840.11  680.6710029.99  664.34 10223.1  659.72
10372.69   652.410390.56     65210483.58     63610658.12     61210717.58     612
10761.16   619.310892.66  647.3111004.31     66611406.58  659.1911570.66  654.42
11628.56  651.4411849.34  647.712111.13  647.2712422.64     64213081.46     634
14598.74     63414848.47     63215490.42     632 15984.3     64016046.63     648
16351.65  642.2316358.89  640.0916469.54  637.84 17153.3  604.85 17735.4     596
17849.96  587.6618253.35  586.4418357.42  578.13 18521.2  567.32 19051.2  567.32
19210.69  570.84 19363.6     59619447.89  608.5919465.94  610.59 19692.5  620.81
 20110.7  627.0120524.36  626.6322531.08     62022640.59     62022858.69  621.17
23191.25  620.9624128.64     62624373.23     63425965.67     64226329.05   645.8
26731.19  650.6527349.33  667.6527562.18     66828621.25     66829224.99     666
29485.21     66630030.69     65830256.57  653.3530419.59  650.3230552.63  642.58
30693.87  642.8630973.26   651.431278.98  653.9832322.47  666.76 32953.7  670.86
33873.51  690.83 34009.1  691.7134595.43  683.5234628.41  683.73 36142.8  709.56
37134.24  714.3237321.88  719.6937656.27  733.8437695.66  735.04   37987  741.88
38302.15  753.44 38452.4     75839188.24     79039849.52  795.32   40183     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 17735.4     .15 19363.6     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       17735.4 19363.6                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507257.00   297324.00   1876800.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507257.00   297324.00   1876800.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2580932.00   801502.60   3347566.00
  Top Width (ft)          37074.82    Top Width (ft)          16318.13    1628.20   19128.50
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  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.71       2.70       1.78
  Max Chl Dpth (ft)         192.41    Hydr. Depth (ft)           92.37     182.61      98.12
  Conv. Total (cfs)       795018100.0    Conv. (cfs)            304886800.0   94681880.0   395449500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16334.90    1631.29   19132.18
  Min Ch El (ft)            567.32    Shear (lb/sq ft)            0.41       0.82       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.71       2.20       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    52021.26    9826.68   62160.34
  C & E Loss (ft)             0.00    Cum SA (acres)            382.76      40.88     435.78


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274549.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  204.31  790.91  664.72  772.45 1400.41  760.55 1585.54  751.56
 1881.19  744.95 2054.58  741.99 2417.15  741.99 2763.26  739.82 3692.87  726.61
 3767.21  722.49 3861.68  718.01  3873.4  717.78 4082.15  715.66 4268.38  711.99
  4416.4  708.13 4575.32  703.36 4963.79  693.84 5437.24  688.11 5789.58  685.22
  5941.2  683.71 6106.18  675.41 6177.16  667.27 6553.16  666.61  6915.4  671.68
 7061.53  673.98 7289.82  657.96 7462.47  649.95 7536.33  641.94 7587.16  641.94
 7743.17  647.53 7968.82  657.61 8034.15  659.12 8168.43  665.42 8545.39  668.64
 8595.08  673.69 8755.45  688.71 9059.52  682.39 9074.13  680.88 9253.27  665.76
 9397.15  665.51 9660.92  681.08 9842.21  680.7610032.13  664.4110225.29  659.79
10374.91  652.4910392.78  652.0910485.83  636.07 10660.4  612.0410719.87  612.04
10763.46  619.3410894.99  647.3611006.66  666.0711409.02  659.2511573.13  654.48
11631.05  651.5111851.87  647.7712113.72  647.32 12425.3  642.0413084.26  634.03
14601.86  634.0314851.64  632.0415493.74  632.0415987.72  640.0516050.07  648.06
16355.15  642.2816362.39  640.1616473.07   637.917156.97  604.8717739.19  596.02
17853.89  587.6718257.76  586.4618361.96  578.1418525.93  567.3219056.18  567.32
19215.84  570.8419368.92  596.0219453.19  608.5919471.25  610.5919697.78  620.77
20115.93  626.9720529.54  626.5922536.04  619.9522645.53  619.9522863.61  621.12
23196.13  620.9224133.41  625.9724377.98  633.9825970.23  641.9926333.57  645.79
26735.66  650.6527353.74  667.6727566.56  668.01 28625.5  668.0129229.18  666.02
29489.37  666.0230034.79  658.0130260.64  653.3630423.64  650.3230556.67  642.57
30697.88  642.8430977.25  651.3931282.94  653.9832326.31  666.7332957.46  670.83
33877.17  690.7434012.74  691.62   34599   683.534631.98  683.71 36146.2  709.48
37137.52  714.2537325.14  719.63 37659.5  733.7737698.89  734.9737990.19  741.83
 38305.3   753.438455.53  757.9639191.29     790 39852.5  795.3240185.93     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517739.19     .1519368.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17739.1919368.92                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507244.00   297587.40   1877129.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507244.00   297587.40   1877129.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2579973.00   802018.60   3348009.00
  Top Width (ft)          37078.71    Top Width (ft)          16321.81    1629.73   19127.17
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.71       2.70       1.78
  Max Chl Dpth (ft)         192.41    Hydr. Depth (ft)           92.35     182.60      98.14
  Conv. Total (cfs)       795181900.0    Conv. (cfs)            304836200.0   94762360.0   395583300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16338.61    1632.82   19130.84
  Min Ch El (ft)            567.32    Shear (lb/sq ft)            0.41       0.82       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.71       2.20       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    51848.25    9792.54   61944.89
  C & E Loss (ft)             0.00    Cum SA (acres)            380.88      40.69     433.59


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274546.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  204.35   790.9  664.86  772.44 1400.71  760.55 1585.87  751.56
 1881.59  744.94 2055.02  741.98 2417.67  741.98 2763.86   739.8 3693.66  726.63
 3768.02  722.51 3862.51  718.02 3874.23  717.79 4083.02  715.65 4269.29  711.98
 4417.34  708.11  4576.3  703.34 4964.85  693.82  5438.4   688.1 5790.82   685.2
 5942.47  683.69 6107.49  675.38 6178.48  667.24 6554.56  666.58 6916.88  671.65
 7063.04  673.96 7291.38  657.92 7464.07   649.9 7537.94  641.88 7588.79  641.88
 7744.83  647.48 7970.52  657.56 8035.86  659.07 8170.18   665.4 8547.22  668.65
 8596.92  673.71 8757.33  688.77 9061.45  682.48 9076.07  680.97 9255.25  665.83
 9399.16  665.58 9662.99  681.17 9844.32  680.8610034.28  664.4910227.47  659.86
10377.13  652.5810395.01  652.1810488.07  636.1410662.68  612.0810722.16  612.08
10765.76  619.3910897.31   647.411009.02  666.1411411.46  659.3211575.61  654.55
11633.54  651.5911854.41  647.8512116.31  647.3612427.96  642.0813087.06  634.06
14604.98  634.0614854.82  632.0815497.05  632.0815991.14   640.1 16053.5  648.12
16358.64  642.3416365.89  640.2216476.59  637.9617160.63   604.917742.99  596.04
17857.82  587.6818262.18  586.48 18366.5  578.1518530.67  567.3219061.16  567.32
19220.99  570.8419374.23  596.04 19458.5  608.5919476.55  610.5819703.05  620.74
20121.16  626.9420534.72  626.5522540.99   619.922650.47   619.922868.53  621.08
23201.01  620.8924138.18  625.9424382.72  633.9625974.79  641.9826338.09  645.79
26740.14  650.6527358.14  667.6827570.94  668.0228629.76  668.0229233.37  666.04
29493.53  666.0430038.88  658.0230264.71  653.3630427.69  650.3230560.71  642.55
30701.91  642.8330981.24  651.3931286.89  653.9732330.14   666.732961.22  670.81
33880.82  690.6634016.38  691.5434602.58  683.4834635.55  683.6936149.59  709.39
 37140.8  714.18 37328.4  719.5737662.72   733.737702.11   734.937993.37  741.78
38308.45  753.3538458.66  757.9239194.34     79039855.47  795.3340188.87     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517742.99     .1519374.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17742.9919374.23                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
```

```
  E.G. Elev (ft)            759.78    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507223.00   297847.00   1877447.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507223.00   297847.00   1877447.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2579028.00   802529.80   3348442.00
  Top Width (ft)          37082.38    Top Width (ft)          16325.30    1631.24   19125.84
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.71       2.69       1.78
  Max Chl Dpth (ft)         192.41    Hydr. Depth (ft)           92.32     182.59      98.16
  Conv. Total (cfs)       795340200.0    Conv. (cfs)             304785300.0   94841640.0   395713300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16342.13    1634.33   19129.52
  Min Ch El (ft)            567.32    Shear (lb/sq ft)            0.41       0.81       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.71       2.20       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    51675.24    9758.37   61729.41
  C & E Loss (ft)             0.00    Cum SA (acres)            379.01      40.50     431.39


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274543.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  204.39   790.9     665  772.43 1401.01  760.55 1586.21  751.55
    1882  744.94 2055.46  741.97 2418.18  741.97 2764.45  739.79 3694.45  726.64
 3768.82  722.52 3863.34  718.03 3875.05   717.8  4083.9  715.65  4270.2  711.97
 4418.29   708.1 4577.28  703.33 4965.91   693.8 5439.56  688.08 5792.06  685.19
 5943.74  683.67 6108.79  675.36  6179.8   667.2 6555.96  666.54 6918.36  671.63
 7064.55  673.94 7292.93  657.88 7465.66  649.85 7539.55  641.82 7590.41  641.82
 7746.49  647.43 7972.23   657.5 8037.58  659.03 8171.92  665.37 8549.05  668.66
 8598.76  673.73  8759.2  688.82 9063.39  682.57 9078.01  681.06 9257.23   665.9
 9401.17  665.66 9665.06  681.27 9846.42  680.9610036.42  664.5710229.66  659.94
10379.35  652.6710397.23  652.2710490.31  636.2110664.96  612.1210724.45  612.12
10768.06  619.4410899.64  647.4511011.37  666.21 11413.9  659.3811578.08  654.62
11636.03  651.6711856.94  647.92 12118.9  647.4112430.61  642.1213089.86  634.09
14608.11  634.0914857.99  632.1215500.36  632.1215994.56  640.1516056.93  648.18
16362.14  642.3916369.38  640.2816480.11  638.02 17164.3  604.9217746.78  596.06
17861.75  587.6918266.59   586.518371.04  578.16 18535.4  567.3219066.14  567.32
19226.14  570.8319379.55  596.0619463.81  608.5819481.86  610.5819708.34   620.7
20126.39   626.920539.91  626.5122545.94  619.8522655.41  619.8522873.45  621.03
23205.89  620.8524142.95  625.9124387.46  633.9425979.36  641.9726342.61  645.78
26744.61  650.6427362.54  667.6927575.32  668.0328634.02  668.0329237.55  666.06
29497.69  666.0630042.98  658.0330268.78  653.3730431.74  650.3130564.74  642.54
30705.93  642.8130985.22  651.3831290.85  653.9632333.98  666.6732964.98  670.79
33884.48  690.5734020.02  691.4534606.15  683.4634639.12  683.6736152.99   709.3
37144.09   714.137331.66  719.5137665.95  733.6337705.32  734.8337996.56  741.73
38311.61   753.3 38461.8  757.8839197.38     79039858.44  795.34 40191.8     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517746.78     .1519379.55     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17746.7819379.55                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507206.00   298111.90   1877807.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507206.00   298111.90   1877807.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2578036.00   803038.80   3348926.00
  Top Width (ft)          37086.08    Top Width (ft)          16328.80    1632.77   19124.51
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.71       2.69       1.78
  Max Chl Dpth (ft)         192.41    Hydr. Depth (ft)           92.30     182.58      98.19
  Conv. Total (cfs)       795516900.0    Conv. (cfs)             304735600.0   94922860.0   395858400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16345.65    1635.87   19128.18
  Min Ch El (ft)            567.32    Shear (lb/sq ft)            0.41       0.81       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.70       2.19       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    51502.24    9724.16   61513.89
  C & E Loss (ft)             0.00    Cum SA (acres)            377.14      40.32     429.20


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274540.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  204.44   790.9  665.14  772.42 1401.31  760.54 1586.55  751.54
  1882.4  744.93  2055.9  741.96  2418.7  741.96 2765.04  739.78 3695.24  726.66
 3769.63  722.54 3864.16  718.04 3875.88  717.81 4084.77  715.64 4271.12  711.96
 4419.23  708.08 4578.25  703.31 4966.97  693.78 5440.72  688.07  5793.3  685.17
 5945.01  683.66  6110.1  675.33 6181.12  667.17 6557.36  666.51 6919.84  671.61
 7066.06  673.92 7294.49  657.84 7467.26   649.8 7541.16  641.76 7592.03  641.76
 7748.14  647.37 7973.93  657.45  8039.3  658.98 8173.67  665.34 8550.87  668.66
 8600.59  673.75 8761.07  688.88 9065.33  682.66 9079.95  681.15 9259.21  665.97
 9403.18  665.73 9667.12  681.36 9848.52  681.0510038.57  664.6510231.84  660.01
10381.57  652.7610399.45  652.3610492.55  636.2810667.24  612.1610726.74  612.16
10770.36  619.4910901.97   647.511013.72  666.2811416.34  659.4411580.55  654.69
11638.51  651.7411859.47  647.9912121.49  647.4612433.27  642.1613092.65  634.12
14611.23  634.1214861.17  632.1615503.68  632.1615997.97   640.216060.36  648.24
16365.64  642.4416372.88  640.3416483.63  638.0817167.97  604.9517750.57  596.08
17865.68   587.7   18271  586.5218375.58  578.1718540.14  567.3219071.12  567.32
19231.29  570.8319384.87  596.0819469.12  608.5819487.16  610.5819713.62  620.67
20131.62  626.8720545.09  626.47 22550.9   619.822660.35   619.822878.36  620.98
23210.77  620.8224147.72  625.8824392.21  633.9225983.92  641.9626347.13  645.78
26749.09  650.6427366.95   667.7 27579.7  668.0428638.28  668.0429241.74  666.08
29501.84  666.0830047.08  658.0430272.85  653.37 30435.8  650.3130568.78  642.53
30709.95   642.830989.21  651.37 31294.8  653.9532337.81  666.6432968.75  670.76
33888.14  690.4834023.66  691.3734609.73  683.43 34642.7  683.6536156.39  709.21
37147.37  714.0337334.93  719.4437669.17  733.5637708.54  734.7637999.75  741.69
38314.75  753.2638464.93  757.8439200.43     79039861.41  795.3440194.74     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517750.57     .1519384.87     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17750.5719384.87                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.72    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507187.00   298374.40   1878141.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507187.00   298374.40   1878141.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2577063.00   803551.70   3349386.00
  Top Width (ft)          37089.95    Top Width (ft)          16332.48    1634.30   19123.17
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.71       2.69       1.78
  Max Chl Dpth (ft)         192.40    Hydr. Depth (ft)           92.28     182.57      98.21
  Conv. Total (cfs)       795680500.0    Conv. (cfs)            304683300.0   95003030.0   395994200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16349.36    1637.40   19126.84
  Min Ch El (ft)            567.32    Shear (lb/sq ft)            0.41       0.81       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.70       2.19       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    51329.23    9689.93   61298.32
  C & E Loss (ft)             0.00    Cum SA (acres)            375.26      40.13     427.00


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274538.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  204.48  790.89  665.28   772.4 1401.61  760.54 1586.89  751.53
  1882.8  744.93 2056.33  741.95 2419.22  741.95 2765.63  739.77 3696.03  726.68
 3770.43  722.55 3864.99  718.05 3876.71  717.82 4085.64  715.64 4272.03  711.95
 4420.17  708.07 4579.23  703.29 4968.04  693.76 5441.89  688.05 5794.53  685.15
 5946.28  683.64  6111.4   675.3 6182.44  667.13 6558.77  666.48 6921.32  671.59
 7067.57   673.9 7296.05   657.8 7468.85  649.75 7542.77   641.7 7593.65   641.7
  7749.8  647.32 7975.64   657.4 8041.02  658.94 8175.42  665.31  8552.7  668.67
 8602.43  673.76 8762.94  688.94 9067.26  682.75 9081.89  681.24 9261.19  666.05
 9405.19   665.8 9669.19  681.46 9850.63  681.1510040.71  664.7310234.03  660.09
10383.79  652.8510401.67  652.4510494.79  636.3510669.52   612.210729.04   612.2
10772.66  619.54 10904.3  647.5411016.08  666.3511418.78   659.511583.03  654.76
   11641  651.8211862.01  648.0612124.08   647.512435.93   642.213095.45  634.15
14614.35  634.1514864.34   632.215506.99   632.216001.39  640.2516063.79   648.3
16369.14  642.4916376.38  640.4116487.16  638.1417171.64  604.9717754.37   596.1
17869.61  587.7118275.42  586.5318380.11  578.1818544.87  567.31 19076.1  567.31
19236.45  570.8219390.19   596.119474.42  608.5819492.47  610.5819718.89  620.63
20136.85  626.8320550.28  626.4222555.85  619.75 22665.3  619.7522883.28  620.93
23215.65  620.7824152.49  625.8524396.95   633.925988.48  641.9526351.65  645.77
26753.56  650.6427371.35  667.7127584.08  668.0528642.54  668.0529245.93   666.1
   29506   666.130051.17  658.0530276.92  653.3730439.85  650.3130572.82  642.51
30713.97  642.78 30993.2  651.3731298.75  653.9532341.65  666.6132972.51  670.74
33891.79   690.4 34027.3  691.28 34613.3  683.4134646.27  683.6336159.79  709.12
37150.66  713.9637338.19  719.3837672.39  733.4937711.76  734.6938002.93  741.64
 38317.9  753.2138468.06   757.839203.48     79039864.39  795.3540197.68     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517754.37     .1519390.19     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17754.3719390.19                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.72    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507170.00   298647.30   1878487.00
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            1507170.00   298647.30   1878487.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2576071.00   804099.40   3349830.00
  Top Width (ft)          37093.64    Top Width (ft)          16335.99    1635.82   19121.83
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.71       2.69       1.78
  Max Chl Dpth (ft)         192.41    Hydr. Depth (ft)           92.26     182.57      98.24
  Conv. Total (cfs)       795857000.0    Conv. (cfs)            304633600.0   95088870.0   396134500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16352.89    1638.92   19125.49
  Min Ch El (ft)            567.31    Shear (lb/sq ft)            0.41       0.81       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.70       2.19       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    51156.23    9655.67   61082.72
  C & E Loss (ft)             0.00    Cum SA (acres)            373.39      39.94     424.80


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274535.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  204.53  790.89  665.43  772.39 1401.91  760.54 1587.23  751.52
  1883.2  744.92 2056.77  741.94 2419.73  741.94 2766.22  739.75 3696.82  726.69
 3771.24  722.57 3865.81  718.06 3877.54  717.83 4086.51  715.63 4272.94  711.94
 4421.12  708.05 4580.21  703.28  4969.1  693.74 5443.05  688.04 5795.77  685.13
 5947.55  683.62 6112.71  675.27 6183.76  667.09 6560.17  666.44 6922.79  671.56
 7069.08  673.88 7297.61  657.76 7470.45   649.7 7544.38  641.64 7595.28  641.64
 7751.45  647.27 7977.34  657.34 8042.73  658.89 8177.16  665.29 8554.53  668.68
 8604.27  673.78 8764.81  688.99  9069.2  682.84 9083.83  681.32 9263.16  666.12
  9407.2  665.88 9671.25  681.55 9852.73  681.2510042.86  664.8110236.22  660.16
   10386  652.94 10403.9  652.5410497.04  636.4210671.79  612.2410731.33  612.24
10774.97  619.5910906.63  647.5911018.43  666.4211421.22  659.56 11585.5  654.82
11643.49   651.911864.54  648.1312126.67  647.5512438.58  642.2413098.25  634.18
14617.47  634.1814867.52  632.24 15510.3  632.2416004.81   640.316067.22  648.36
16372.63  642.5516379.88  640.4716490.68   638.217175.31     60517758.16  596.12
17873.54  587.7318279.83  586.5518384.65  578.19 18549.6  567.3119081.07  567.31
 19241.6  570.82 19395.5  596.1219479.73  608.5819497.77  610.5719724.17  620.59
20142.08   626.820555.46  626.3822560.81   619.722670.24   619.7 22888.2  620.88
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23220.53  620.7424157.27  625.82 24401.7  633.8825993.04  641.9426356.17  645.77
26758.03  650.6327375.75  667.7327588.46  668.0628646.79  668.0629250.12  666.12
29510.16  666.1230055.27  658.0630280.99  653.38 30443.9  650.3130576.85   642.5
30717.99  642.7730997.19  651.3631302.71  653.9432345.48  666.5932976.27  670.71
33895.45  690.3134030.95   691.234616.88  683.3934649.84  683.6136163.18  709.03
37153.94  713.8937341.45  719.3237675.62  733.4237714.98  734.6238006.12  741.59
38321.05  753.17 38471.2  757.7639206.53     79039867.36  795.3640200.61     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517758.16     .15 19395.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17758.16 19395.5                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.72    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507161.00   298905.90   1878820.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1507161.00   298905.90   1878820.00
  Q Total (cfs)           6730000.00    Flow (cfs)            2575137.00   804593.30   3350270.00
  Top Width (ft)          37097.33    Top Width (ft)          16339.49    1637.34   19120.50
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.71       2.69       1.78
  Max Chl Dpth (ft)         192.41    Hydr. Depth (ft)           92.24     182.56      98.26
  Conv. Total (cfs)       796024300.0    Conv. (cfs)            304587100.0   95167280.0   396269900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16356.41    1640.44   19124.16
  Min Ch El (ft)            567.31    Shear (lb/sq ft)            0.41       0.81       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.70       2.19       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    50983.23    9621.37   60867.08
  C & E Loss (ft)             0.00    Cum SA (acres)            371.51      39.75     422.61


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274532.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  204.57  790.88  665.57  772.38 1402.21  760.54 1587.57  751.52
 1883.61  744.91 2057.21  741.93 2420.25  741.93 2766.81  739.74 3697.61  726.71
 3772.04  722.59 3866.64  718.07 3878.37  717.84 4087.39  715.63 4273.86  711.93
 4422.06  708.04 4581.19  703.26 4970.16  693.72 5444.21  688.02 5797.01  685.11
 5948.82   683.6 6114.01  675.25 6185.08  667.06 6561.57  666.41 6924.27  671.54
 7070.59  673.86 7299.17  657.72 7472.04  649.65    7546  641.58  7596.9  641.58
 7753.11  647.21 7979.04  657.29 8044.45  658.84 8178.91  665.26 8556.35  668.68
 8606.11   673.8 8766.69  689.05 9071.14  682.92 9085.77  681.41 9265.14  666.19
 9409.21  665.95 9673.32  681.65 9854.84  681.34   10045  664.88 10238.4  660.24
10388.22  653.0310406.12  652.6310499.28  636.4910674.07  612.2810733.62  612.28
10777.27  619.6410908.96  647.6411020.78  666.4911423.66  659.6211587.98  654.89
11645.97  651.9711867.08  648.2112129.26   647.612441.24  642.2813101.05  634.21
14620.59  634.21 14870.7  632.2815513.62  632.2816008.23  640.3516070.66  648.42
16376.13   642.616383.38  640.53 16494.2  638.2617178.98  605.0317761.95  596.14
17877.47  587.7418284.24  586.5718389.19   578.218554.34  567.3119086.05  567.31
19246.75  570.8219400.82  596.1419485.04  608.5819503.08  610.5719729.45  620.56
20147.32  626.7620560.65  626.3422565.76  619.6522675.18  619.6522893.11  620.83
23225.41  620.7124162.04  625.7924406.44  633.86 25997.6  641.9326360.69  645.76
26762.51  650.6327380.16  667.7427592.84  668.0728651.05  668.0729254.31  666.14
29514.32  666.1430059.37  658.0730285.06  653.3830447.95  650.3130580.89  642.49
30722.01  642.7631001.18  651.3531306.66  653.9332349.31  666.5632980.03  670.69
33899.11  690.2234034.59  691.1134620.45  683.3734653.41  683.5936166.58  708.95
37157.22  713.8237344.71  719.2537678.84  733.35 37718.2  734.56 38009.3  741.54
 38324.2  753.1238474.33  757.7239209.58     79039870.33  795.3640203.55     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517761.95     .1519400.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17761.9519400.82                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.72    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507138.00   299169.10   1879145.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1507138.00   299169.10   1879145.00
  Q Total (cfs)           6730000.00    Flow (cfs)            2574178.00   805109.10   3350713.00
  Top Width (ft)          37100.98    Top Width (ft)          16342.97    1638.87   19119.15
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.71       2.69       1.78
  Max Chl Dpth (ft)         192.41    Hydr. Depth (ft)           92.22     182.55      98.29
  Conv. Total (cfs)       796186000.0    Conv. (cfs)            304535600.0   95247640.0   396402800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16359.92    1641.98   19122.80
  Min Ch El (ft)            567.31    Shear (lb/sq ft)            0.41       0.81       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.70       2.19       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    50810.24    9587.05   60651.41
  C & E Loss (ft)             0.00    Cum SA (acres)            369.64      39.56     420.42


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274529.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  204.61  790.88  665.71  772.37 1402.51  760.53 1587.91  751.51
 1884.01  744.91 2057.65  741.92 2420.77  741.92  2767.4  739.73 3698.39  726.73
 3772.85   722.6 3867.46  718.08 3879.19  717.85 4088.26  715.62 4274.77  711.92
 4423.01  708.02 4582.17  703.24 4971.22   693.7 5445.37  688.01 5798.25  685.09
 5950.09  683.58 6115.32  675.22 6186.41  667.02 6562.97  666.38 6925.75  671.52
  7072.1  673.84 7300.73  657.68 7473.64   649.6 7547.61  641.52 7598.52  641.52
 7754.76  647.16 7980.75  657.24 8046.17   658.8 8180.66  665.23 8558.18  668.69
 8607.94  673.81 8768.56  689.11 9073.08  683.01 9087.71   681.5 9267.12  666.26
 9411.21  666.02 9675.38  681.74 9856.94  681.4410047.15  664.9610240.59  660.31
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10390.44  653.1210408.34  652.7210501.52  636.5610676.35  612.3210735.91  612.32
10779.57  619.6910911.29  647.6811023.14  666.56 11426.1  659.6811590.45  654.96
11648.46  652.0511869.61  648.2812131.85  647.64 12443.9  642.3213103.85  634.24
14623.72  634.2414873.87  632.3215516.93  632.3216011.65   640.416074.09  648.48
16379.63  642.6516386.88  640.5916497.72  638.3317182.65  605.0517765.74  596.16
 17881.4  587.7518288.66  586.5918393.73  578.2118559.07  567.3119091.03  567.31
 19251.9  570.8119406.14  596.1619490.35  608.5719508.38  610.5719734.73  620.52
20152.55  626.7320565.83   626.322570.72   619.622680.12   619.622898.03  620.78
23230.29  620.6724166.81  625.7624411.18  633.8426002.16  641.9226365.21  645.76
26766.98  650.6327384.56  667.7527597.21  668.0828655.31  668.08 29258.5  666.16
29518.48  666.1630063.46  658.0830289.13  653.3930452.01  650.3130584.93  642.48
30726.03  642.7431005.17  651.3531310.61  653.9232353.15  666.5332983.79  670.67
33902.77  690.1434038.23  691.0334624.03  683.3534656.98  683.5736169.98  708.86
37160.51  713.7537347.98  719.1937682.07  733.2837721.42  734.4938012.49   741.5
38327.36  753.0838477.46  757.6839212.63     79039873.31  795.3740206.48     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517765.74     .1519406.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17765.7419406.14                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.72    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507121.00   299433.50   1879466.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1507121.00   299433.50   1879466.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2573221.00   805631.10   3351148.00
  Top Width (ft)          37104.85    Top Width (ft)          16346.65    1640.40   19117.80
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.71       2.69       1.78
  Max Chl Dpth (ft)         192.41    Hydr. Depth (ft)           92.20     182.54      98.31
  Conv. Total (cfs)       796346900.0    Conv. (cfs)             304483900.0   95328660.0   396534400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16363.62    1643.51   19121.45
  Min Ch El (ft)            567.31    Shear (lb/sq ft)            0.41       0.81       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.70       2.19       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    50637.24    9552.69   60435.69
  C & E Loss (ft)             0.00    Cum SA (acres)            367.76      39.38     418.22


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274526.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  204.66  790.87  665.85  772.36 1402.81  760.53 1588.25   751.5
 1884.41   744.9 2058.09  741.91 2421.28  741.91 2767.99  739.72 3699.18  726.75
 3773.65  722.62 3868.29  718.09 3880.02  717.86 4089.13  715.61 4275.68  711.91
 4423.95  708.01 4583.15  703.23 4972.28  693.68 5446.54  687.99 5799.49  685.07
 5951.36  683.56 6116.63  675.19 6187.73  666.98 6564.37  666.34 6927.23  671.49
 7073.61  673.82 7302.29  657.64 7475.23  649.55 7549.22  641.46 7600.14  641.46
 7756.42  647.11 7982.45  657.19 8047.89  658.75  8182.4   665.2 8560.01   668.7
 8609.78  673.83 8770.43  689.16 9075.01   683.1 9089.65  681.59  9269.1  666.33
 9413.22  666.09 9677.45  681.84 9859.05  681.5410049.29  665.0410242.78  660.39
10392.66  653.2110410.56  652.8110503.76  636.6310678.63  612.36 10738.2  612.36
10781.87  619.7410913.62  647.7311025.49  666.6311428.54  659.7511592.93  655.03
11650.95  652.1311872.14  648.3512134.44  647.6912446.55  642.3613106.64  634.27
14626.84  634.2714877.05  632.3615520.24  632.3616015.07  640.4516077.52  648.54
16383.12  642.7116390.38  640.6616501.25  638.3917186.31  605.0817769.54  596.18
17885.33  587.7618293.07   586.618398.27  578.2218563.81  567.3119096.01  567.31
19257.05  570.8119411.45  596.1819495.65  608.5719513.69  610.5619740.01  620.48
20157.78  626.6920571.01  626.2622575.67  619.5522685.06  619.5522902.95  620.74
23235.17  620.6324171.58  625.7324415.93  633.8226006.73  641.9126369.73  645.75
26771.46  650.6227388.96  667.7627601.59  668.0928659.57  668.0929262.69  666.18
29522.64  666.1830067.56  658.09 30293.2  653.3930456.06   650.330588.96  642.46
30730.05  642.7331009.16  651.3431314.57  653.9232356.98   666.532987.55  670.64
33906.42  690.0534041.87  690.94 34627.6  683.3334660.55  683.5536173.38  708.77
37163.79  713.6737351.24  719.1337685.29  733.2137724.64  734.4238015.68  741.45
 38330.5  753.03 38480.6  757.6439215.68     79039876.28  795.3840209.41     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517769.54     .1519411.45     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17769.5419411.45                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.72    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507099.00   299695.50   1879827.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1507099.00   299695.50   1879827.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2572223.00   806135.10   3351642.00
  Top Width (ft)          37108.54    Top Width (ft)          16350.16    1641.91   19116.47
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.71       2.69       1.78
  Max Chl Dpth (ft)         192.41    Hydr. Depth (ft)           92.18     182.53      98.34
  Conv. Total (cfs)       796521800.0    Conv. (cfs)             304432600.0   95409240.0   396679900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16367.15    1645.02   19120.11
  Min Ch El (ft)            567.31    Shear (lb/sq ft)            0.41       0.81       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.70       2.18       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    50464.25    9518.30   60219.94
  C & E Loss (ft)             0.00    Cum SA (acres)            365.88      39.19     416.03


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274523.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   204.7  790.87     666  772.34 1403.11  760.53 1588.59  751.49
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 1884.81  744.89 2058.53   741.9  2421.8   741.9 2768.58   739.7 3699.97  726.76
 3774.46  722.63 3869.12   718.1 3880.85  717.87 4090.01  715.61 4276.59   711.9
  4424.9  707.99 4584.12  703.21 4973.34  693.66  5447.7  687.98 5800.72  685.06
 5952.63  683.54 6117.93  675.17 6189.05  666.95 6565.77  666.31 6928.71  671.47
 7075.12   673.8 7303.84   657.6 7476.83   649.5 7550.83   641.4 7601.77   641.4
 7758.07  647.05 7984.16  657.13 8049.61  658.71 8184.15  665.18 8561.84   668.7
 8611.62  673.85  8772.3  689.22 9076.95  683.19 9091.59  681.68 9271.08   666.4
 9415.23  666.17 9679.52  681.93 9861.15  681.6310051.44  665.1210244.96  660.46
10394.88   653.310412.78   652.9   10506   636.710680.91   612.4 10740.5   612.4
10784.17  619.7910915.95  647.7811027.84   666.711430.98  659.81 11595.4   655.1
11653.43   652.211874.68  648.4212137.03  647.7412449.21   642.413109.44   634.3
14629.96   634.314880.22   632.415523.55   632.416018.49   640.516080.95   648.6
16386.62  642.7616393.88  640.7216504.77  638.4517189.98   605.117773.33   596.2
17889.26  587.7718297.48  586.62 18402.8  578.2318568.54  567.3119100.99  567.31
 19262.2   570.819416.77   596.219500.96  608.5719518.99  610.5619745.29  620.45
20163.01  626.66 20576.2  626.2222580.62   619.522690.01   619.522907.87  620.69
23240.04   620.624176.35   625.724420.67   633.826011.29   641.926374.25  645.74
26775.93  650.6227393.37  667.7727605.97   668.128663.82   668.129266.88   666.2
 29526.8   666.230071.66   658.130297.27   653.430460.11   650.3   30593  642.45
30734.07  642.7131013.14  651.3331318.52  653.9132360.82  666.4732991.32  670.62
33910.08  689.9734045.51  690.8634631.18  683.3134664.12  683.5336176.77  708.68
37167.07   713.6 37354.5  719.0737688.51  733.1437727.86  734.3538018.86   741.4
38333.66  752.9838483.73   757.639218.73     79039879.25  795.3840212.35     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517773.33     .1519416.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17773.3319416.77                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.72    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507089.00   299960.00   1880151.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1507089.00   299960.00   1880151.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2571290.00   806651.20   3352059.00
  Top Width (ft)          37112.21    Top Width (ft)          16353.66    1643.44   19115.12
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.71       2.69       1.78
  Max Chl Dpth (ft)         192.41    Hydr. Depth (ft)           92.16     182.52      98.36
  Conv. Total (cfs)       796688600.0    Conv. (cfs)            304385900.0   95490310.0   396812400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16370.68    1646.55   19118.76
  Min Ch El (ft)            567.31    Shear (lb/sq ft)            0.41       0.81       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.70       2.18       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    50291.26    9483.89   60004.14
  C & E Loss (ft)             0.00    Cum SA (acres)            364.01      39.00     413.83


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274520.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  204.74  790.86  666.14  772.33 1403.41  760.53 1588.93  751.49
 1885.21  744.89 2058.97  741.89 2422.32  741.89 2769.17  739.69 3700.76  726.78
 3775.27  722.65 3869.94  718.11 3881.68  717.88 4090.88   715.6 4277.51  711.89
 4425.84  707.98  4585.1  703.19  4974.4  693.64 5448.86  687.96 5801.96  685.04
  5953.9  683.53 6119.24  675.14 6190.37  666.91 6567.17  666.28 6930.19  671.45
 7076.63  673.78  7305.4  657.56 7478.43  649.45 7552.44  641.34 7603.39  641.34
 7759.73     647 7985.86  657.08 8051.32  658.66  8185.9  665.15 8563.66  668.71
 8613.46  673.87 8774.17  689.28 9078.89  683.28 9093.53  681.77 9273.06  666.48
 9417.24  666.24 9681.58  682.03 9863.26  681.7310053.58   665.210247.15  660.54
 10397.1  653.3910415.01  652.9910508.25  636.7710683.19  612.4410742.79  612.44
10786.47  619.8410918.28  647.82 11030.2  666.7711433.42  659.8711597.88  655.16
11655.92  652.2811877.21  648.4912139.62  647.7812451.87  642.4413112.24  634.33
14633.08  634.33 14883.4  632.4415526.87  632.44 16021.9  640.5516084.38  648.66
16390.12  642.8116397.37  640.7816508.29  638.5117193.65  605.1317777.12  596.22
 17893.2  587.78 18301.9  586.6418407.34  578.2318573.27  567.3119105.97  567.31
19267.36   570.819422.09  596.2219506.27  608.57 19524.3  610.5619750.57  620.41
20168.24  626.6220581.38  626.1722585.58  619.4522694.95  619.4522912.78  620.64
23244.92  620.5624181.12  625.6724425.41  633.7826015.85  641.8926378.77  645.74
 26780.4  650.6227397.77  667.7827610.35  668.1128668.08  668.1129271.06  666.22
29530.96  666.2230075.75  658.1130301.35   653.430464.16   650.330597.04  642.44
30738.09   642.731017.13  651.3231322.47   653.932364.65  666.4432995.08  670.59
33913.73  689.8834049.15  690.7734634.75  683.2934667.69  683.5136180.17  708.59
37170.36  713.5337357.77     71937691.74  733.0737731.08  734.2838022.05  741.35
 38336.8  752.9438486.86  757.5639221.77     79039882.23  795.3940215.29     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517777.12     .1519422.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17777.1219422.09                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.72    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507061.00   300224.50   1880512.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1507061.00   300224.50   1880512.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2570280.00   807159.40   3352560.00
  Top Width (ft)          37115.86    Top Width (ft)          16357.13    1644.97   19113.76
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.71       2.69       1.78
  Max Chl Dpth (ft)         192.41    Hydr. Depth (ft)           92.13     182.51      98.39
  Conv. Total (cfs)       796862800.0    Conv. (cfs)            304333000.0   95571380.0   396958500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16374.18    1648.08   19117.39
  Min Ch El (ft)            567.31    Shear (lb/sq ft)            0.41       0.81       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.70       2.18       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    50118.27    9449.44   59788.31
  C & E Loss (ft)             0.00    Cum SA (acres)            362.13      38.81     411.64


CROSS SECTION
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RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274517.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  204.79  790.86  666.28  772.32 1403.71  760.52 1589.26  751.48
 1885.62  744.88 2059.41  741.88 2422.83  741.88 2769.76  739.68 3701.55   726.8
 3776.07  722.66 3870.77  718.12 3882.51  717.89 4091.75   715.6 4278.42  711.88
 4426.78  707.96 4586.08  703.17 4975.46  693.62 5450.02  687.95  5803.2  685.02
 5955.17  683.51 6120.54  675.11 6191.69  666.87 6568.57  666.24 6931.67  671.43
 7078.14  673.76 7306.96  657.52 7480.02   649.4 7554.05  641.28 7605.01  641.28
 7761.39  646.95 7987.56  657.03 8053.04  658.62 8187.64  665.12 8565.49  668.72
  8615.3  673.88 8776.05  689.33 9080.82  683.37 9095.47  681.86 9275.04  666.55
 9419.25  666.31 9683.65  682.12 9865.36  681.8310055.73  665.2810249.34  660.61
10399.31  653.4810417.23  653.0810510.49  636.8410685.47  612.4810745.08  612.48
10788.77  619.8910920.61  647.8711032.55  666.8411435.86  659.9311600.35  655.23
11658.41  652.3611879.75  648.5712142.21  647.8312454.53  642.4813115.04  634.36
14636.21  634.3614886.57  632.4815530.18  632.4816025.32   640.616087.82  648.72
16393.62  642.8616400.87  640.8416511.81  638.5717197.32  605.1617780.92  596.24
17897.12   587.818306.31  586.6618411.88  578.2418578.01  567.3119110.95  567.31
19272.51  570.79 19427.4  596.2419511.57  608.5719529.61  610.5619755.85  620.37
20173.47  626.5920586.57  626.1322590.54   619.422699.89   619.4 22917.7  620.59
 23249.8  620.52 24185.9  625.6424430.16  633.7626020.41  641.8826383.29  645.73
26784.88  650.6127402.17   667.827614.73  668.1228672.34  668.1229275.25  666.24
29535.12  666.2430079.85  658.1230305.42   653.430468.21   650.330601.08  642.42
30742.11  642.6831021.12  651.3231326.43  653.8932368.49  666.4132998.84  670.57
33917.39  689.7934052.79  690.6934638.32  683.2734671.26  683.4936183.57  708.51
37173.64  713.4637361.03  718.9437694.96     733 37734.3  734.2138025.23  741.31
38339.96  752.89   38490  757.5239224.82     790 39885.2   795.440218.22     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517780.92     .15 19427.4     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17780.92 19427.4                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.72    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507043.00   300482.90   1880838.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1507043.00   300482.90   1880838.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2569326.00   807661.70   3353013.00
  Top Width (ft)          37119.73    Top Width (ft)          16360.83    1646.48   19112.42
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.70       2.69       1.78
  Max Chl Dpth (ft)         192.41    Hydr. Depth (ft)           92.11     182.50      98.41
  Conv. Total (cfs)       797022300.0    Conv. (cfs)            304280800.0   95649980.0   397091500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16377.90    1649.60   19116.05
  Min Ch El (ft)            567.31    Shear (lb/sq ft)            0.41       0.81       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.70       2.18       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    49945.29    9414.97   59572.44
  C & E Loss (ft)             0.00    Cum SA (acres)            360.25      38.62     409.44


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274514.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  204.83  790.85  666.42  772.31 1404.01  760.52  1589.6  751.47
 1886.02  744.88 2059.85  741.87 2423.35  741.87 2770.35  739.66 3702.34  726.81
 3776.88  722.68 3871.59  718.13 3883.34   717.9 4092.62  715.59 4279.33  711.87
 4427.73  707.95 4587.06  703.16 4976.53   693.6 5451.19  687.93 5804.44     685
 5956.44  683.49 6121.85  675.08 6193.01  666.84 6569.98  666.21 6933.15   671.4
 7079.65  673.74 7308.52  657.48 7481.62  649.35 7555.66  641.22 7606.63  641.22
 7763.04   646.9 7989.27  656.97 8054.76  658.57 8189.39   665.1 8567.32  668.72
 8617.13   673.9 8777.92  689.39 9082.76  683.46 9097.41  681.94 9277.01  666.62
 9421.26  666.39 9685.71  682.22 9867.46  681.9210057.87  665.3510251.52  660.69
10401.53  653.5710419.45  653.1710512.73  636.9110687.75  612.5210747.37  612.52
10791.08  619.9310922.94  647.9211034.91  666.91 11438.3  659.9911602.83   655.3
11660.89  652.4411882.28  648.64 12144.8  647.8812457.18  642.5213117.83  634.39
14639.33  634.3914889.75  632.5215533.49  632.5216028.74  640.6516091.25  648.78
16397.11  642.9216404.37  640.9116515.33  638.6317200.99  605.1817784.71  596.26
17901.05  587.8118310.72  586.6818416.42  578.2518582.74  567.3119115.93  567.31
19277.66  570.7919432.72  596.2619516.88  608.5719534.91  610.5519761.13  620.34
20178.71  626.5520591.75  626.0922595.49  619.3522704.83  619.3522922.62  620.54
23254.68  620.4924190.67  625.61 24434.9  633.7426024.97  641.8726387.81  645.73
26789.35  650.6127406.58  667.8127619.11  668.13 28676.6  668.1329279.44  666.26
29539.27  666.2630083.95  658.1330309.49  653.4130472.27   650.330605.11  642.41
30746.13  642.6731025.11  651.3131330.38  653.8932372.32  666.3833002.61  670.55
33921.05  689.7134056.43   690.6 34641.9  683.2534674.83  683.4736186.96  708.42
37176.93  713.3937364.29  718.8837698.18  732.9337737.52  734.1438028.42  741.26
38343.11  752.8538493.13  757.4839227.87     79039888.17   795.440221.16     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517784.71     .1519432.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17784.7119432.72                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.72    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507034.00   300745.60   1881155.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1507034.00   300745.60   1881155.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2568403.00   808172.60   3353425.00
  Top Width (ft)          37123.39    Top Width (ft)          16364.33    1648.01   19111.06
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.70       2.69       1.78
  Max Chl Dpth (ft)         192.41    Hydr. Depth (ft)           92.09     182.49      98.43
  Conv. Total (cfs)       797186200.0    Conv. (cfs)            304234100.0   95730170.0   397222000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16381.42    1651.13   19114.69
  Min Ch El (ft)            567.31    Shear (lb/sq ft)            0.41       0.81       0.44
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  Alpha                        1.07    Stream Power (lb/ft s)      0.70       2.18       0.78
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    49772.30    9380.46   59356.53
  C & E Loss (ft)              0.00    Cum SA (acres)            358.37      38.43     407.25


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274511.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  204.87  790.85  666.56  772.29  1404.3  760.52 1589.94  751.46
 1886.42  744.87 2060.29  741.86 2423.87  741.86 2770.95  739.65 3703.13  726.83
 3777.68   722.7 3872.42  718.14 3884.16  717.91  4093.5  715.59 4280.24  711.86
 4428.67  707.93 4588.04  703.14 4977.59  693.59 5452.35  687.92 5805.68  684.98
 5957.71  683.47 6123.15  675.06 6194.33   666.8 6571.38  666.18 6934.62  671.38
 7081.16  673.72 7310.08  657.44 7483.21   649.3 7557.28  641.16 7608.25  641.16
  7764.7  646.84 7990.97  656.92 8056.48  658.52 8191.14  665.07 8569.14  668.73
 8618.97  673.92 8779.79  689.45  9084.7  683.54 9099.35  682.03 9278.99  666.69
 9423.27  666.46 9687.78  682.31 9869.57  682.0210060.02  665.4310253.71  660.76
10403.75  653.6610421.67  653.2610514.97  636.9810690.03  612.5610749.67  612.56
10793.38  619.9810925.27  647.9611037.26  666.9811440.74  660.05 11605.3  655.37
11663.38  652.5111884.82  648.7112147.39  647.9212459.84  642.5613120.63  634.42
14642.45  634.4214892.92  632.56 15536.8  632.5616032.16   640.716094.68  648.84
16400.61  642.9716407.87  640.9716518.86  638.6917204.66  605.21 17788.5  596.28
17904.98  587.8218315.14  586.6918420.96  578.2618587.48   567.319120.91   567.3
19282.81  570.7919438.04  596.2819522.19  608.5619540.22  610.5519766.41   620.3
20183.94  626.5220596.94  626.0522600.44   619.322709.78   619.322927.53  620.49
23259.56  620.4524195.44  625.5824439.65  633.7226029.54  641.8626392.33  645.72
26793.83  650.6127410.98  667.8227623.49  668.1428680.86  668.1429283.63  666.28
29543.43  666.2830088.04  658.1430313.56  653.4130476.32   650.330609.15   642.4
30750.15  642.66 31029.1   651.331334.34  653.8832376.16  666.3533006.37  670.52
33924.71  689.6234060.07  690.5234645.47  683.23 34678.4  683.4536190.36  708.33
37180.21  713.3237367.55  718.8137701.41  732.8637740.74  734.0738031.61  741.21
38346.25   752.838496.26  757.4439230.92     79039891.14  795.4140224.09     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 17788.5     .1519438.04     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       17788.519438.04                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.72    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1507011.00   301017.80   1881504.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1507011.00   301017.80   1881504.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2567404.00   808713.60   3353883.00
  Top Width (ft)          37127.07    Top Width (ft)          16367.83    1649.54   19109.70
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.70       2.69       1.78
  Max Chl Dpth (ft)         192.42    Hydr. Depth (ft)           92.07     182.49      98.46
  Conv. Total (cfs)       797361900.0    Conv. (cfs)            304182700.0   95815360.0   397363800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16384.95    1652.66   19113.32
  Min Ch El (ft)            567.30    Shear (lb/sq ft)            0.41       0.81       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.70       2.18       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    49599.32    9345.93   59140.59
  C & E Loss (ft)             0.00    Cum SA (acres)            356.49      38.24     405.06


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274508.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  204.92  790.85  666.71  772.28  1404.6  760.51 1590.28  751.45
 1886.82  744.86 2060.73  741.85 2424.39  741.85 2771.54  739.64 3703.92  726.85
 3778.49  722.71 3873.24  718.15 3884.99  717.92 4094.37  715.58 4281.16  711.85
 4429.62  707.92 4589.02  703.12 4978.65  693.57 5453.51   687.9 5806.91  684.96
 5958.99  683.45 6124.46  675.03 6195.65  666.76 6572.78  666.15  6936.1  671.36
 7082.67   673.7 7311.64   657.4 7484.81  649.25 7558.89   641.1 7609.88   641.1
 7766.35  646.79 7992.67  656.87  8058.2  658.48 8192.88  665.04 8570.97  668.74
 8620.81  673.93 8781.66   689.5 9086.63  683.63 9101.29  682.12 9280.97  666.76
 9425.28  666.53 9689.84  682.41 9871.67  682.1210062.16  665.5110255.89  660.84
10405.97  653.75 10423.9  653.3510517.21  637.0510692.31   612.610751.96   612.6
10795.68  620.03 10927.6  648.0111039.61  667.0511443.18  660.1211607.77  655.44
11665.87  652.5911887.35  648.7812149.98  647.97 12462.5   642.613123.43  634.45
14645.57  634.45 14896.1   632.615540.12   632.616035.58  640.7516098.11   648.9
16404.11  643.0216411.37  641.0316522.38  638.7517208.33  605.2317792.29   596.3
17908.92  587.8318319.55  586.7118425.49  578.2718592.21   567.319125.88   567.3
19287.96  570.7819443.36   596.3 19527.5  608.5619545.52  610.5519771.69  620.26
20189.17  626.4820602.12  626.01 22605.4  619.2522714.72  619.2522932.45  620.44
23264.44  620.4224200.21  625.5524444.39   633.7 26034.1  641.8526396.85  645.72
 26798.3   650.627415.38  667.8327627.87  668.1528685.11  668.1529287.82   666.3
29547.59   666.330092.14  658.1530317.63  653.4230480.37  650.2930613.19  642.39
30754.18  642.6431033.09   651.331338.29  653.8732379.99  666.3233010.13   670.5
33928.36  689.5334063.72  690.4334649.05  683.2134681.97  683.4336193.76  708.24
37183.49  713.2437370.81  718.7537704.63  732.7937743.96  734.0138034.79  741.16
38349.41  752.7638499.39   757.439233.97     79039894.12  795.4240227.02     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517792.29     .1519443.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17792.2919443.36                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.72    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506993.00   301282.40   1881844.00
```

```
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1506993.00   301282.40   1881844.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2566425.00   809227.60   3354348.00
  Top Width (ft)          37130.91    Top Width (ft)          16371.52    1651.07   19108.33
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.70       2.69       1.78
  Max Chl Dpth (ft)         192.42    Hydr. Depth (ft)           92.05     182.48      98.48
  Conv. Total (cfs)       797529700.0    Conv. (cfs)             304130700.0   95896440.0   397502500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16388.66    1654.19   19111.95
  Min Ch El (ft)            567.30    Shear (lb/sq ft)            0.41       0.81       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.70       2.17       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    49426.34    9311.36   58924.60
  C & E Loss (ft)             0.00    Cum SA (acres)            354.62      38.05     402.86


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274505.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  204.96  790.84  666.85  772.27  1404.9  760.51 1590.62  751.45
 1887.23  744.86 2061.17  741.84  2424.9  741.84 2772.13  739.63 3704.71  726.86
 3779.29  722.73 3874.07  718.16 3885.82  717.92 4095.24  715.58 4282.07  711.84
 4430.56   707.9 4589.99  703.11 4979.71  693.55 5454.67  687.89 5808.15  684.95
 5960.26  683.43 6125.77     675 6196.97  666.73 6574.18  666.11 6937.58  671.33
 7084.18  673.68  7313.2  657.36  7486.4   649.2  7560.5  641.04  7611.5  641.04
 7768.01  646.74 7994.38  656.81 8059.91  658.43 8194.63  665.01  8572.8  668.74
 8622.65  673.95 8783.54  689.56 9088.57  683.72 9103.23  682.21 9282.95  666.83
 9427.29   666.6 9691.91   682.5 9873.78  682.2110064.31  665.5910258.08  660.91
10408.19  653.8410426.12  653.4410519.46  637.1210694.59  612.6410754.25  612.64
10797.98  620.0810929.93  648.0511041.97  667.1211445.62  660.1811610.25  655.51
11668.36  652.6711889.88  648.8612152.57  648.0212465.15  642.6413126.23  634.48
14648.69  634.4814899.28  632.6415543.43  632.64   16039   640.816101.54  648.96
 16407.6  643.0716414.87   641.1 16525.9  638.8117211.99  605.2617796.09  596.32
17912.85  587.8418323.96  586.7318430.03  578.2818596.94   567.319130.86   567.3
19293.11  570.7819448.67  596.32 19532.8  608.5619550.83  610.5419776.97  620.23
 20194.4  626.45 20607.3  625.9722610.35   619.222719.66   619.222937.37   620.4
23269.32  620.3824204.98  625.5224449.13  633.6826038.66  641.8426401.37  645.71
26802.77   650.627419.79  667.8427632.25  668.1628689.37  668.1629292.01  666.32
29551.75  666.3230096.23  658.16 30321.7  653.4230484.42  650.2930617.22  642.37
 30758.2  642.6331037.08  651.2931342.24  653.8632383.82  666.2933013.89  670.48
33932.02  689.4534067.36  690.3434652.62  683.1934685.54  683.4136197.16  708.15
37186.78  713.1737374.07  718.6937707.86  732.7237747.18  733.9438037.98  741.11
38352.55  752.7138502.53  757.3639237.02     79039897.09  795.4240229.96     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517796.09     .1519448.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17796.0919448.67                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.72    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506972.00   301541.70   1882178.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1506972.00   301541.70   1882178.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2565469.00   809727.60   3354804.00
  Top Width (ft)          37134.56    Top Width (ft)          16375.01    1652.58   19106.98
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.70       2.69       1.78
  Max Chl Dpth (ft)         192.42    Hydr. Depth (ft)           92.03     182.47      98.51
  Conv. Total (cfs)       797694800.0    Conv. (cfs)             304080400.0   95975570.0   397638900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16392.17    1655.71   19110.60
  Min Ch El (ft)            567.30    Shear (lb/sq ft)            0.41       0.81       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.70       2.17       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    49253.36    9276.76   58708.57
  C & E Loss (ft)             0.00    Cum SA (acres)            352.74      37.86     400.67


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274503.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  205.01  790.84  666.99  772.26  1405.2  760.51 1590.96  751.44
 1887.63  744.85 2061.61  741.83 2425.42  741.83 2772.72  739.61  3705.5  726.88
  3780.1  722.74  3874.9  718.17 3886.65  717.93 4096.12  715.57 4282.98  711.83
 4431.51  707.89 4590.97  703.09 4980.77  693.53 5455.84  687.87 5809.39  684.93
 5961.53  683.41 6127.07  674.98 6198.29  666.69 6575.58  666.08 6939.06  671.31
 7085.69  673.66 7314.76  657.32    7488  649.15 7562.11  640.98 7613.12  640.98
 7769.66  646.68 7996.08  656.76 8061.63  658.39 8196.38  664.99 8574.63  668.75
 8624.48  673.97 8785.41  689.62 9090.51  683.81 9105.17   682.3 9284.93  666.91
  9429.3  666.68 9693.98   682.6 9875.88  682.3110066.45  665.6710260.27  660.98
10410.41  653.9310428.34  653.53 10521.7  637.1910696.87  612.6810756.54  612.68
10800.28  620.1310932.26   648.111044.32  667.1911448.06  660.2411612.72  655.57
11670.84  652.7411892.42  648.9312155.16  648.0612467.81  642.6813129.02  634.51
14651.82  634.5114902.45  632.6815546.74  632.6816042.42  640.8516104.97  649.02
 16411.1  643.1316418.37  641.1616529.42  638.8717215.66  605.2817799.88  596.34
17916.78  587.8618328.38  586.7518434.57  578.2918601.68   567.319135.84   567.3
19298.27  570.7719453.99  596.3419538.11  608.5619556.13  610.5419782.25  620.19
20199.63  626.4120612.49  625.9222615.31  619.15 22724.6  619.1522942.29  620.35
 23274.2  620.3424209.76  625.4924453.88  633.6626043.22  641.8326405.89  645.71
26807.25   650.627424.19  667.8527636.62  668.1728693.63  668.17 29296.2  666.34
29555.91  666.3430100.33  658.1730325.77  653.4230488.47  650.2930621.26  642.36
30762.22  642.6131041.07  651.28 31346.2  653.8632387.66  666.2733017.65  670.45
33935.68  689.36   34071  690.26 34656.2  683.1734689.11  683.3936200.55  708.07
37190.06   713.137377.34  718.6337711.08  732.65 37750.4  733.8738041.17  741.07
38355.71  752.6638505.66  757.3239240.07     79039900.07  795.4340232.89     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517799.88     .1519453.99     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      17799.8819453.99                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.72    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506959.00   301803.30   1882507.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1506959.00   301803.30   1882507.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2564529.00   810229.90   3355242.00
  Top Width (ft)          37138.22    Top Width (ft)          16378.50    1654.11   19105.61
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)           1.70       2.68       1.78
  Max Chl Dpth (ft)         192.42    Hydr. Depth (ft)          92.01     182.46      98.53
  Conv. Total (cfs)       797861400.0    Conv. (cfs)            304032400.0   96055150.0   397773800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16395.70    1657.24   19109.22
  Min Ch El (ft)            567.30    Shear (lb/sq ft)           0.41       0.81       0.44
  Alpha                       1.07    Stream Power (lb/ft s)     0.69       2.17       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    49080.39    9242.13   58492.51
  C & E Loss (ft)             0.00    Cum SA (acres)            350.86      37.67     398.48


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274500.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  205.05  790.83  667.13  772.24  1405.5  760.51  1591.3  751.43
 1888.03  744.84 2062.05  741.82 2425.94  741.82 2773.31   739.6 3706.29   726.9
  3780.9  722.76 3875.72  718.18 3887.48  717.94 4096.99  715.57 4283.89  711.82
 4432.45  707.88 4591.95  703.07 4981.83  693.51    5457  687.86 5810.63  684.91
  5962.8  683.39 6128.38  674.95 6199.61  666.65 6576.98  666.05 6940.54  671.29
  7087.2  673.64 7316.31  657.28  7489.6   649.1 7563.72  640.92 7614.74  640.92
 7771.32  646.63 7997.79  656.71 8063.35  658.34 8198.12  664.96 8576.45  668.76
 8626.32  673.98 8787.28  689.67 9092.45   683.9 9107.11  682.39 9286.91  666.98
 9431.31  666.75 9696.04  682.69 9877.99  682.41 10068.6  665.7510262.45  661.06
10412.62  654.0310430.56  653.6210523.94  637.2610699.15  612.7210758.83  612.72
10802.58  620.1810934.59  648.1511046.67  667.26 11450.5   660.3 11615.2  655.64
11673.33  652.8211894.95     64912157.75  648.1112470.47  642.7213131.82  634.54
14654.94  634.5414905.63  632.7215550.06  632.7216045.83   640.916108.41  649.08
 16414.6  643.1816421.86  641.2216532.95  638.9317219.33  605.3117803.67  596.36
17920.71  587.8718332.79  586.7618439.11   578.318606.41   567.319140.82   567.3
19303.42  570.7719459.31  596.3619543.42  608.5619561.44  610.5419787.53  620.15
20204.86  626.3720617.67  625.8822620.26   619.122729.54   619.1 22947.2   620.3
23279.08  620.3124214.53  625.4624458.62  633.6426047.78  641.8226410.41   645.7
26811.72  650.5927428.59  667.87   27641  668.1828697.89  668.1829300.38  666.36
29560.07  666.3630104.43  658.1830329.84  653.4330492.53  650.29 30625.3  642.35
30766.24   642.631045.05  651.2831350.15  653.8532391.49  666.2433021.41  670.43
33939.33  689.2734074.64  690.1734659.77  683.1534692.68  683.3636203.95  707.98
37193.34  713.03 37380.6  718.56 37714.3  732.5837753.62   733.838044.35  741.02
38358.86  752.6238508.79  757.2839243.12     79039903.04  795.4440235.83     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517803.67    .1519459.31     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17803.6719459.31                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.72    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506932.00   302068.80   1882849.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1506932.00   302068.80   1882849.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2563542.00   810747.20   3355711.00
  Top Width (ft)          37141.88    Top Width (ft)          16382.00    1655.64   19104.23
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)           1.70       2.68       1.78
  Max Chl Dpth (ft)         192.42    Hydr. Depth (ft)          91.99     182.45      98.56
  Conv. Total (cfs)       798029900.0    Conv. (cfs)            303979700.0   96136780.0   397913400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16399.21    1658.77   19107.85
  Min Ch El (ft)            567.30    Shear (lb/sq ft)           0.41       0.81       0.44
  Alpha                       1.07    Stream Power (lb/ft s)     0.69       2.17       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    48907.41    9207.48   58276.41
  C & E Loss (ft)             0.00    Cum SA (acres)            348.98      37.48     396.28


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274497.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  205.09  790.83  667.27  772.23  1405.8   760.5 1591.64  751.42
 1888.43  744.84 2062.48  741.81 2426.45  741.81  2773.9  739.59 3707.08  726.92
 3781.71  722.77 3876.55  718.19  3888.3  717.95 4097.86  715.56 4284.81  711.81
 4433.39  707.86 4592.93  703.06 4982.89  693.49 5458.16  687.84 5811.86  684.89
 5964.07  683.38 6129.68  674.92 6200.93  666.62 6578.38  666.01 6942.02  671.27
 7088.71  673.62 7317.87  657.24 7491.19  649.05 7565.33  640.86 7616.37  640.86
 7772.98  646.58 7999.49  656.66 8065.07  658.29 8199.87  664.93 8578.28  668.76
 8628.16     674 8789.15  689.73 9094.38  683.99 9109.05  682.47 9288.88  667.05
 9433.32  666.82 9698.11  682.79 9880.09   682.510070.74  665.8210264.64  661.13
10414.84  654.1210432.78  653.7110526.18  637.3310701.43  612.7610761.12  612.76
10804.88  620.2310936.92  648.1911049.03  667.3311452.94  660.3611617.67  655.71
11675.82   652.911897.49  649.0712160.34  648.1612473.12  642.7613134.62  634.57
14658.06  634.57 14908.8  632.7615553.37  632.7616049.25  640.9516111.84  649.14
16418.09  643.2316425.36  641.2816536.47  638.99   17223  605.3417807.47  596.38
17924.64  587.88 18337.2  586.7818443.64  578.3118611.15   567.3 19145.8   567.3
19308.57  570.7619464.62  596.3819548.73  608.5519566.74  610.53 19792.8  620.12
20210.09  626.3420622.86  625.8422625.22  619.0522734.48  619.0522952.12  620.25
23283.96  620.27 24219.3  625.4324463.37  633.6226052.34  641.8126414.93   645.7
 26816.2  650.59   27433  667.8827645.38  668.1928702.14  668.1929304.57  666.38
29564.23  666.3830108.52  658.1930333.91  653.4330496.58  650.2930629.33  642.33
30770.26  642.5831049.04  651.2731354.11  653.8432395.33  666.2133025.18   670.4
33942.99  689.1934078.28  690.0934663.34  683.1334696.25  683.3436207.35  707.89
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37196.63  712.9637383.86   718.537717.53  732.5137756.84  733.7338047.54  740.97
38362.01  752.5738511.93  757.2439246.16     79039906.01  795.4440238.77     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517807.47     .1519464.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17807.4719464.62                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.72    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506916.00   302329.30   1883189.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1506916.00   302329.30   1883189.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2562573.00   811250.40   3356177.00
  Top Width (ft)          37145.73    Top Width (ft)          16385.70    1657.15   19102.88
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.70       2.68       1.78
  Max Chl Dpth (ft)         192.42    Hydr. Depth (ft)           91.97     182.44      98.58
  Conv. Total (cfs)       798196700.0    Conv. (cfs)             303928300.0   96216560.0   398051900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16402.93    1660.28   19106.49
  Min Ch El (ft)            567.30    Shear (lb/sq ft)            0.41       0.81       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.69       2.17       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    48734.44    9172.79   58060.27
  C & E Loss (ft)             0.00    Cum SA (acres)            347.10      37.29     394.09


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274494.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  205.14  790.82  667.42  772.22  1406.1   760.5 1591.98  751.41
 1888.83  744.83 2062.92   741.8 2426.97   741.8 2774.49  739.58 3707.87  726.93
 3782.51  722.79 3877.37   718.2 3889.13  717.96 4098.73  715.55 4285.72   711.8
 4434.34  707.85 4593.91  703.04 4983.96  693.47 5459.32  687.83  5813.1  684.87
 5965.34  683.36 6130.99  674.89 6202.26  666.58 6579.78  665.98  6943.5  671.24
 7090.22   673.6 7319.43   657.2 7492.79     649 7566.94   640.8 7617.99   640.8
 7774.63  646.52 8001.19   656.6 8066.78  658.25 8201.62  664.91 8580.11  668.77
    8630  674.02 8791.02  689.79 9096.32  684.07 9110.99  682.56 9290.86  667.12
 9435.33  666.89 9700.17  682.88  9882.2   682.610072.89   665.910266.83  661.21
10417.06  654.2110435.01   653.810528.42   637.410703.71   612.810763.42   612.8
10807.19  620.2810939.25  648.2411051.38   667.411455.38  660.4211620.15  655.78
 11678.3  652.9711900.02  649.1412162.93   648.212475.78   642.813137.42   634.6
14661.18   634.614911.98   632.815556.68   632.816052.67     64116115.27   649.2
16421.59  643.2916428.86  641.3516539.99  639.0617226.67  605.3617811.26   596.4
17928.57  587.8918341.62   586.818448.18  578.3218615.88   567.319150.78   567.3
19313.72  570.7619469.94   596.419554.03  608.5519572.05  610.5319798.08  620.08
20215.33   626.320628.04   625.822630.17     61922739.43     61922957.04   620.2
23288.84  620.2324224.07   625.424468.11   633.6 26056.9   641.826419.45  645.69
26820.67  650.59 27437.4  667.8927649.76   668.2 28706.4   668.229308.76   666.4
29568.39   666.430112.62   658.230337.98  653.4430500.63  650.2930633.37  642.32
30774.28  642.5731053.03  651.2631358.06  653.8332399.16  666.1833028.94  670.38
33946.65   689.134081.93    69034666.92   683.134699.82  683.3236210.75   707.8
37199.91  712.8937387.12  718.4437720.75  732.4437760.06  733.6638050.73  740.92
38365.16  752.5338515.06   757.239249.21     79039908.98  795.45 40241.7     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517811.26     .1519469.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17811.2619469.94                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.72    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506901.00   302592.20   1883533.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1506901.00   302592.20   1883533.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2561612.00   811751.50   3356637.00
  Top Width (ft)          37149.38    Top Width (ft)          16389.19    1658.68   19101.50
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.70       2.68       1.78
  Max Chl Dpth (ft)         192.42    Hydr. Depth (ft)           91.94     182.43      98.61
  Conv. Total (cfs)       798368800.0    Conv. (cfs)             303879800.0   96296740.0   398192300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16406.46    1661.82   19105.11
  Min Ch El (ft)            567.30    Shear (lb/sq ft)            0.41       0.81       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.69       2.17       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    48561.47    9138.07   57844.09
  C & E Loss (ft)             0.00    Cum SA (acres)            345.21      37.10     391.90


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274491.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  205.18  790.82  667.56  772.21  1406.4   760.5 1592.32  751.41
 1889.24  744.82 2063.36  741.79 2427.49  741.79 2775.08  739.56 3708.66  726.95
 3783.32   722.8  3878.2  718.21 3889.96  717.97 4099.61  715.55 4286.63  711.79
 4435.28  707.83 4594.88  703.02 4985.02  693.45 5460.49  687.81 5814.34  684.85
 5966.61  683.34 6132.29  674.87 6203.58  666.54 6581.19  665.95 6944.97  671.22
 7091.73  673.58 7320.99  657.16 7494.38  648.95 7568.56  640.74 7619.61  640.74
 7776.29  646.47  8002.9  656.55  8068.5   658.2 8203.36  664.88 8581.94  668.78
 8631.84  674.04  8792.9  689.84 9098.26  684.16 9112.93  682.65 9292.84  667.19
 9437.33  666.97 9702.24  682.98  9884.3   682.710075.03  665.9810269.01  661.28
10419.28   654.310437.23  653.8910530.67  637.4710705.99  612.8410765.71  612.84
10809.49  620.3310941.58  648.2911053.73  667.4711457.81  660.4811622.62  655.85
11680.79  653.0511902.55  649.2212165.52  648.2512478.44  642.8413140.21  634.63
14664.31  634.6314915.15  632.84   15560  632.8416056.09  641.05 16118.7  649.26
16425.09  643.3416432.36  641.4116543.51  639.1217230.34  605.3917815.05  596.42
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 17932.5   587.918346.03  586.8218452.72  578.3318620.61   567.319155.76   567.3
19318.87  570.7619475.26  596.4219559.34  608.5519577.35  610.5319803.36  620.04
20220.56  626.2720633.22  625.7622635.13  618.9522744.37  618.9522961.95  620.15
23293.71   620.224228.84  625.3724472.85  633.5826061.47  641.7926423.97  645.69
26825.14  650.58 27441.8   667.927654.14  668.2128710.66  668.2129312.95  666.42
29572.55  666.4230116.72  658.2130342.05  653.4430504.68  650.2930637.41  642.31
 30778.3  642.5631057.02  651.2531362.01  653.83   32403  666.15 33032.7  670.36
 33950.3  689.0134085.57  689.9234670.49  683.0834703.39   683.336214.14  707.71
 37203.2  712.8137390.39  718.3737723.98  732.3737763.28  733.5938053.91  740.88
38368.31  752.4838518.19  757.1639252.26     79039911.96  795.4640244.64     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517815.05     .1519475.26     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17815.0519475.26                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.72    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506878.00   302854.70   1883862.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1506878.00   302854.70   1883862.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2560654.00   812259.30   3357087.00
  Top Width (ft)          37153.01    Top Width (ft)          16392.67    1660.21   19100.13
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.70       2.68       1.78
  Max Chl Dpth (ft)         192.42    Hydr. Depth (ft)           91.92     182.42      98.63
  Conv. Total (cfs)       798533200.0    Conv. (cfs)             303828700.0   96376820.0   398327600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16409.96    1663.35   19103.73
  Min Ch El (ft)            567.30    Shear (lb/sq ft)            0.41       0.81       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.69       2.17       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    48388.50    9103.32   57627.87
  C & E Loss (ft)             0.00    Cum SA (acres)            343.33      36.91     389.71


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274488.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  205.22  790.81   667.7   772.2  1406.7  760.49 1592.65   751.4
 1889.64  744.82  2063.8  741.78    2428  741.78 2775.67  739.55 3709.45  726.97
 3784.13  722.82 3879.02  718.22 3890.79  717.98 4100.48  715.54 4287.55  711.78
 4436.23  707.82 4595.86  703.01 4986.08  693.43 5461.65   687.8 5815.58  684.84
 5967.88  683.32  6133.6  674.84  6204.9  666.51 6582.59  665.91 6946.45   671.2
 7093.24  673.56 7322.55  657.12 7495.98   648.9 7570.17  640.68 7621.23  640.68
 7777.94  646.42  8004.6   656.5 8070.22  658.16 8205.11  664.85 8583.76  668.78
 8633.67  674.05 8794.77   689.9 9100.19  684.25 9114.87  682.74 9294.82  667.26
 9439.34  667.04  9704.3  683.07 9886.41  682.7910077.18  666.06 10271.2  661.36
 10421.5  654.3910439.45  653.9810532.91  637.5410708.27  612.88   10768  612.88
10811.79  620.3810943.91  648.3311056.09  667.5411460.25  660.55 11625.1  655.91
11683.28  653.1311905.09  649.2912168.11   648.312481.09  642.8813143.01  634.66
14667.43  634.6614918.33  632.8815563.31  632.8816059.51   641.116122.13  649.32
16428.59  643.3916435.86  641.4716547.04  639.1817234.01  605.4117818.85  596.44
17936.43  587.9118350.44  586.8418457.26  578.3418625.35   567.319160.74   567.3
19324.02  570.7519480.57  596.4419564.65  608.5519582.66  610.5319808.64  620.01
20225.79  626.2320638.41  625.7222640.08   618.922749.31   618.922966.87   620.1
23298.59  620.1624233.62  625.34 24477.6  633.5626066.03  641.7826428.49  645.68
26829.62  650.5827446.21  667.9127658.52  668.2228714.92  668.2229317.14  666.44
29576.71  666.4430120.81  658.2230346.12  653.4530508.73  650.2830641.44   642.3
30782.32  642.5431061.01  651.2531365.97  653.8232406.83  666.1233036.46  670.33
33953.96  688.9334089.21  689.8334674.07  683.0634706.96  683.2836217.54  707.63
37206.48  712.7437393.65  718.31 37727.2   732.3 37766.5  733.53 38057.1  740.83
38371.46  752.4438521.32  757.1239255.31     79039914.93  795.4640247.57     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517818.85     .1519480.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17818.8519480.57                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.72    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506855.00   303115.70   1884190.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1506855.00   303115.70   1884190.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2559687.00   812768.80   3357544.00
  Top Width (ft)          37156.84    Top Width (ft)          16396.36    1661.72   19098.75
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.70       2.68       1.78
  Max Chl Dpth (ft)         192.42    Hydr. Depth (ft)           91.90     182.41      98.66
  Conv. Total (cfs)       798694300.0    Conv. (cfs)             303775300.0   96456740.0   398462300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16413.68    1664.86   19102.35
  Min Ch El (ft)            567.30    Shear (lb/sq ft)            0.41       0.81       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.69       2.16       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    48215.54    9068.54   57411.61
  C & E Loss (ft)             0.00    Cum SA (acres)            341.45      36.72     387.51


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274485.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  205.27  790.81  667.84  772.18    1407  760.49 1592.99  751.39
 1890.04  744.81 2064.24  741.77 2428.52  741.77 2776.26  739.54 3710.24  726.98
 3784.93  722.84 3879.85  718.23 3891.62  717.99 4101.35  715.54 4288.46  711.77
 4437.17   707.8 4596.84  702.99 4987.14  693.41 5462.81  687.78 5816.82  684.82
 5969.15   683.3  6134.9  674.81 6206.22  666.47 6583.99  665.88 6947.93  671.17
 7094.75  673.54 7324.11  657.08 7497.57  648.85 7571.78  640.62 7622.85  640.62
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  7779.6  646.37 8006.31  656.44 8071.94  658.11 8206.86  664.82 8585.59  668.79
 8635.51  674.07 8796.64  689.96 9102.13  684.34 9116.81  682.83  9296.8  667.33
 9441.35  667.11 9706.37  683.17 9888.51  682.8910079.32  666.1410273.39  661.43
10423.72  654.4810441.67  654.0710535.15  637.6110710.54  612.9210770.29  612.92
10814.09  620.4310946.24  648.3811058.44  667.6111462.69  660.6111627.57  655.98
11685.76   653.211907.62  649.36 12170.7  648.3412483.75  642.9213145.81  634.69
14670.55  634.69 14921.5  632.9215566.62  632.9216062.93  641.1516125.57  649.38
16432.08  643.4416439.36  641.5316550.56  639.2417237.67  605.4417822.64  596.46
17940.36  587.9318354.86  586.8518461.79  578.3518630.08  567.2919165.72  567.29
19329.17  570.7519485.89  596.4619569.96  608.5519587.96  610.5219813.92  619.97
20231.02   626.220643.59  625.6722645.04  618.8522754.25  618.8522971.79  620.06
23303.47  620.1324238.39  625.3124482.34  633.5426070.59  641.7726433.01  645.68
26834.09  650.5827450.61  667.92 27662.9  668.2328719.18  668.2329321.33  666.46
29580.86  666.4630124.91  658.2330350.19  653.4530512.79  650.2830645.48  642.28
30786.34  642.53   31065  651.2431369.92  653.8132410.66  666.0933040.23  670.31
33957.62  688.8434092.85  689.7534677.64  683.0434710.54  683.2636220.94  707.54
37209.77  712.6737396.91  718.2537730.43  732.2337769.71  733.4638060.29  740.78
38374.61  752.3938524.46  757.0839258.36     79039917.91  795.47 40250.5     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517822.64     .1519485.89     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17822.6419485.89                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.72    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506844.00   303385.20   1884529.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1506844.00   303385.20   1884529.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2558728.00   813296.70   3357976.00
  Top Width (ft)          37160.49    Top Width (ft)          16399.86    1663.25   19097.38
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.70       2.68       1.78
  Max Chl Dpth (ft)         192.43    Hydr. Depth (ft)           91.88     182.41      98.68
  Conv. Total (cfs)       798869500.0    Conv. (cfs)            303728000.0   96540550.0   398601000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16417.20    1666.39   19100.97
  Min Ch El (ft)            567.29    Shear (lb/sq ft)            0.41       0.81       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.69       2.16       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    48042.58    9033.74   57195.32
  C & E Loss (ft)             0.00    Cum SA (acres)            339.57      36.53     385.32


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274482.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  205.31   790.8  667.99  772.17  1407.3  760.49 1593.33  751.38
 1890.44  744.81 2064.68  741.76 2429.04  741.76 2776.85  739.52 3711.03     727
 3785.74  722.85 3880.68  718.24 3892.45     718 4102.23  715.53 4289.37  711.76
 4438.12  707.79 4597.82  702.97  4988.2  693.39 5463.98  687.77 5818.05   684.8
 5970.42  683.28 6136.21  674.79 6207.54  666.43 6585.39  665.85 6949.41  671.15
 7096.26  673.52 7325.67  657.04 7499.17   648.8 7573.39  640.56 7624.48  640.56
 7781.25  646.31 8008.01  656.39 8073.66  658.07  8208.6   664.8 8587.42   668.8
 8637.35  674.09 8798.51  690.01 9104.07  684.43 9118.75  682.92 9298.78  667.41
 9443.36  667.19 9708.44  683.26 9890.61  682.9910081.47  666.2210275.57  661.51
10425.93  654.5710443.89  654.1610537.39  637.6810712.82  612.9610772.59  612.96
10816.39  620.4710948.57  648.4311060.79  667.6811465.13  660.6711630.05  656.05
11688.25  653.2811910.16  649.4312173.29  648.3912486.41  642.9613148.61  634.72
14673.67  634.7214924.68  632.9615569.93  632.9616066.34   641.2   16129  649.44
16435.58   643.516442.86   641.616554.08   639.317241.34  605.4617826.43  596.48
17944.29  587.9418359.27  586.8718466.33  578.3618634.82  567.29 19170.7  567.29
19334.33  570.7419491.21  596.4819575.26  608.5519593.27  610.52 19819.2  619.94
20236.25  626.1620648.78  625.6322649.99   618.8 22759.2   618.822976.71  620.01
23308.35  620.0924243.16  625.2824487.08  633.5226075.15  641.7626437.53  645.67
26838.57  650.5727455.01  667.9427667.28  668.2428723.43  668.2429325.52  666.48
29585.02  666.4830129.01  658.2430354.26  653.4530516.84  650.2830649.52  642.27
30790.36  642.5131068.99  651.2331373.87   653.8 32414.5  666.0633043.99  670.28
33961.27  688.7534096.49  689.6634681.21  683.0234714.11  683.2436224.34  707.45
37213.05   712.637400.18  718.1837733.65  732.1637772.94  733.3938063.47  740.73
38377.76  752.3438527.59  757.0439261.41     79039920.88  795.4840253.44     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517826.43     .1519491.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17826.4319491.21                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.72    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506821.00   303649.60   1884883.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1506821.00   303649.60   1884883.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2557740.00   813801.60   3358459.00
  Top Width (ft)          37164.13    Top Width (ft)          16403.36    1664.78   19095.99
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.70       2.68       1.78
  Max Chl Dpth (ft)         192.43    Hydr. Depth (ft)           91.86     182.40      98.71
  Conv. Total (cfs)       799043400.0    Conv. (cfs)            303676800.0   96621520.0   398745100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16420.72    1667.93   19099.59
  Min Ch El (ft)            567.29    Shear (lb/sq ft)            0.41       0.81       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.69       2.16       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    47869.62    8998.90   56978.98
  C & E Loss (ft)             0.00    Cum SA (acres)            337.69      36.34     383.13


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274479.*

INPUT
Description:
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Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  205.36   790.8  668.13  772.16  1407.6  760.49 1593.67  751.38
 1890.85   744.8 2065.12  741.75 2429.55  741.75 2777.44  739.51 3711.82  727.02
 3786.54  722.87  3881.5  718.25 3893.27  718.01  4103.1  715.53 4290.28  711.75
 4439.06  707.77  4598.8  702.96 4989.26  693.37 5465.14  687.75 5819.29  684.78
 5971.69  683.26 6137.52  674.76 6208.86   666.4 6586.79  665.81 6950.89  671.13
 7097.77   673.5 7327.23     657 7500.77  648.75    7575   640.5  7626.1   640.5
 7782.91  646.26 8009.71  656.34 8075.37  658.02 8210.35  664.77 8589.24  668.81
 8639.19   674.1 8800.38  690.07 9106.01  684.52 9120.69  683.01 9300.76  667.48
 9445.37  667.26  9710.5  683.36 9892.72  683.0810083.61  666.2910277.76  661.58
10428.15  654.6610446.12  654.2510539.64  637.75 10715.1     61310774.88     613
10818.69  620.5210950.89  648.4711063.15  667.7511467.57  660.7311632.52  656.12
11690.74  653.3611912.69   649.512175.88  648.4412489.06     64313151.41  634.75
14676.79  634.7514927.86     63315573.25     63316069.76  641.2516132.43   649.5
16439.08  643.5516446.35  641.66 16557.6  639.3617245.01  605.4917830.22   596.5
17948.22  587.9518363.68  586.8918470.87  578.3718639.55  567.2919175.68  567.29
19339.48  570.7419496.53   596.519580.57  608.5419598.57  610.5219824.48   619.9
20241.48  626.1320653.96  625.5922654.95  618.7522764.14  618.7522981.62  619.96
23313.23  620.0524247.93  625.2524491.83   633.526079.71  641.7526442.05  645.67
26843.04  650.5727459.42  667.9527671.66  668.2528727.69  668.2529329.71   666.5
29589.18   666.5 30133.1  658.2530358.33  653.4630520.89  650.2830653.55  642.26
30794.38   642.531072.98  651.2331377.83   653.832418.33  666.0333047.75  670.26
33964.93  688.6734100.13  689.5834684.79     68334717.68  683.2236227.73  707.36
37216.33  712.5337403.44  718.1237736.88  732.0937776.16  733.3238066.66  740.69
38380.91   752.338530.72     75739264.46     79039923.85  795.4840256.38     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517830.22     .1519496.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17830.2219496.53                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.72    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506797.00   303911.70   1885195.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1506797.00   303911.70   1885195.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2556804.00   814313.80   3358882.00
  Top Width (ft)          37167.75    Top Width (ft)          16406.84    1666.31   19094.61
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.70       2.68       1.78
  Max Chl Dpth (ft)         192.43    Hydr. Depth (ft)           91.84     182.39      98.73
  Conv. Total (cfs)       799201500.0    Conv. (cfs)            303625800.0   96701460.0   398874200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16424.23    1669.46   19098.20
  Min Ch El (ft)            567.29    Shear (lb/sq ft)            0.41       0.81       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.69       2.16       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    47696.66    8964.03   56762.61
  C & E Loss (ft)             0.00    Cum SA (acres)            335.80      36.15     380.94


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274476.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   205.4   790.8  668.27  772.15  1407.9  760.48 1594.01  751.37
 1891.25  744.79 2065.56  741.74 2430.07  741.74 2778.04   739.5 3712.61  727.04
 3787.35  722.88 3882.33  718.26  3894.1  718.02 4103.97  715.52  4291.2  711.74
    4440  707.76 4599.78  702.94 4990.32  693.35  5466.3  687.74 5820.53  684.76
 5972.96  683.25 6138.82  674.73 6210.18  666.36 6588.19  665.78 6952.37  671.11
 7099.28  673.48 7328.78  656.96 7502.36   648.7 7576.61  640.44 7627.72  640.44
 7784.57  646.21 8011.42  656.29 8077.09  657.97  8212.1  664.74 8591.07  668.81
 8641.03  674.12 8802.26  690.13 9107.94  684.61 9122.63  683.09 9302.73  667.55
 9447.38  667.33 9712.57  683.45 9894.82  683.1810085.76  666.3710279.95  661.66
10430.37  654.7510448.34  654.3410541.88  637.8210717.38  613.0410777.17  613.04
   10821  620.5710953.22  648.52 11065.5  667.8211470.01  660.79   11635  656.19
11693.22  653.4311915.23  649.5812178.47  648.4812491.72  643.04 13154.2  634.78
14679.92  634.7814931.03  633.0415576.56  633.0416073.18   641.316135.86  649.56
16442.57   643.616449.85  641.7216561.12  639.4217248.68  605.5217834.02  596.52
17952.15  587.96 18368.1  586.9118475.41  578.3718644.28  567.2919180.65  567.29
19344.63  570.7419501.84  596.5219585.88  608.5419603.88  610.5119829.76  619.86
20246.71  626.0920659.14  625.55 22659.9   618.722769.08   618.722986.54  619.91
23318.11  620.02 24252.7  625.2224496.57  633.4826084.28  641.7426446.57  645.66
26847.51  650.5727463.82  667.9627676.04  668.2628731.95  668.2629333.89  666.52
29593.34  666.52 30137.2  658.2630362.41  653.4630524.94  650.2830657.59  642.24
 30798.4  642.4831076.96  651.2231381.78  653.7932422.17     66633051.51  670.24
33968.59  688.5834103.77  689.4934688.36  682.9834721.25   683.236231.13  707.27
37219.62  712.46 37406.7  718.06 37740.1  732.0237779.38  733.2538069.84  740.64
38384.06  752.2538533.86  756.9639267.51     79039926.82  795.4940259.31     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517834.02     .1519501.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17834.0219501.84                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.72    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506775.00   304172.40   1885538.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1506775.00   304172.40   1885538.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2555822.00   814815.40   3359363.00
  Top Width (ft)          37171.59    Top Width (ft)          16410.53    1667.82   19093.23
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.70       2.68       1.78
  Max Chl Dpth (ft)         192.43    Hydr. Depth (ft)           91.82     182.38      98.75
  Conv. Total (cfs)       799368400.0    Conv. (cfs)            303572600.0   96781230.0   399014600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16427.95    1670.97   19096.82
  Min Ch El (ft)            567.29    Shear (lb/sq ft)            0.41       0.81       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.69       2.16       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    47523.70    8929.13   56546.20
  C & E Loss (ft)             0.00    Cum SA (acres)            333.92      35.96     378.75
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CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274473.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  205.44  790.79  668.41  772.13  1408.2  760.48 1594.35  751.36
 1891.65  744.79    2066  741.73 2430.59  741.73 2778.63  739.49  3713.4  727.05
 3788.15   722.9 3883.15  718.27 3894.93  718.03 4104.84  715.52 4292.11  711.73
 4440.95  707.74 4600.75  702.92 4991.38  693.33 5467.46  687.72 5821.77  684.74
 5974.23  683.23 6140.13   674.7  6211.5  666.32 6589.59  665.75 6953.85  671.08
 7100.79  673.46 7330.34  656.92 7503.96  648.65 7578.22  640.38 7629.34  640.38
 7786.22  646.15 8013.12  656.23 8078.81  657.93 8213.84  664.71  8592.9  668.82
 8642.86  674.14 8804.13  690.18 9109.88  684.69 9124.57  683.18 9304.71  667.62
 9449.39   667.4 9714.63  683.55 9896.93  683.28 10087.9  666.4510282.13  661.73
10432.59  654.8410450.56  654.4310544.12  637.8910719.66  613.0810779.46  613.08
 10823.3  620.6210955.55  648.5711067.85  667.8911472.45  660.8511637.47  656.25
11695.71  653.5111917.76  649.6512181.06  648.5312494.38  643.08   13157  634.81
14683.04  634.8114934.21  633.0815579.87  633.08 16076.6  641.3516139.29  649.62
16446.07  643.6616453.35  641.7816564.65  639.4817252.35  605.5417837.81  596.54
17956.08  587.9718372.51  586.9218479.95  578.3818649.02  567.2919185.63  567.29
19349.78  570.7319507.16  596.5419591.19  608.5419609.19  610.5119835.04  619.83
20251.95  626.0620664.33  625.5122664.85  618.6522774.02  618.6522991.46  619.86
23322.99  619.9824257.47  625.1924501.32  633.4626088.84  641.7326451.09  645.66
26851.99  650.5627468.22  667.9727680.42  668.2728736.21  668.2729338.08  666.54
 29597.5  666.54 30141.3  658.2730366.48  653.4730528.99  650.2830661.63  642.23
30802.42  642.4731080.95  651.2131385.73  653.78   32426  665.9833055.27  670.21
33972.25   688.534107.41  689.4134691.94  682.9634724.82  683.1836234.53  707.19
 37222.9  712.3937409.96     71837743.32  731.9537782.59  733.1838073.03  740.59
38387.21  752.2138536.99  756.9239270.55     790 39929.8   795.540262.25     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517837.81     .1519507.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17837.8119507.16                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.72    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506767.00   304438.90   1885850.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1506767.00   304438.90   1885850.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2554904.00   815338.80   3359758.00
  Top Width (ft)          37175.22    Top Width (ft)          16414.03    1669.35   19091.84
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.70       2.68       1.78
  Max Chl Dpth (ft)         192.43    Hydr. Depth (ft)           91.80     182.37      98.78
  Conv. Total (cfs)       799533700.0    Conv. (cfs)            303526200.0   96863420.0   399144100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16431.47    1672.50   19095.42
  Min Ch El (ft)            567.29    Shear (lb/sq ft)           0.41       0.81       0.44
  Alpha                       1.07    Stream Power (lb/ft s)     0.69       2.16       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    47350.75    8894.20   56329.75
  C & E Loss (ft)             0.00    Cum SA (acres)            332.04      35.77     376.56


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274470.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  205.49  790.79  668.55  772.12  1408.5  760.48 1594.69  751.35
 1892.05  744.78 2066.44  741.72  2431.1  741.72 2779.22  739.47 3714.19  727.07
 3788.96  722.91 3883.98  718.28 3895.76  718.04 4105.72  715.51 4293.02  711.72
 4441.89  707.73 4601.73   702.9 4992.45  693.32 5468.63  687.71 5823.01  684.72
  5975.5  683.21 6141.43  674.68 6212.82  666.29 6590.99  665.71 6955.32  671.06
  7102.3  673.44  7331.9  656.88 7505.55   648.6 7579.84  640.32 7630.97  640.32
 7787.88   646.1 8014.83  656.18 8080.53  657.88 8215.59  664.69 8594.73  668.83
  8644.7  674.16    8806  690.24 9111.82  684.78 9126.51  683.27 9306.69  667.69
  9451.4  667.48  9716.7  683.64 9899.03  683.3710090.05  666.5310284.32  661.81
10434.81  654.9310452.78  654.5210546.36  637.9610721.94  613.1210781.75  613.12
 10825.6  620.6710957.88  648.6111070.21  667.9611474.89  660.9111639.94  656.32
 11698.2  653.5911920.29  649.7212183.65  648.5812497.03  643.12 13159.8  634.84
14686.16  634.8414937.38  633.1215583.19  633.1216080.02   641.416142.73  649.68
16449.57  643.7116456.85  641.8516568.17  639.5417256.02  605.57 17841.6  596.56
17960.01  587.9818376.92  586.9418484.48  578.3918653.75  567.2919190.61  567.29
19354.93  570.7319512.48  596.5619596.49  608.5419614.49  610.5119840.32  619.79
20257.18  626.0220669.51  625.4622669.81   618.622778.96   618.622996.37  619.81
23327.87  619.9424262.25  625.1624506.06  633.44 26093.4  641.7226455.61  645.65
26856.46  650.5627472.63  667.9827684.79  668.2828740.46  668.2829342.27  666.56
29601.66  666.5630145.39  658.2830370.55  653.4730533.05  650.2730665.66  642.22
30806.44  642.4631084.94  651.2131389.69  653.7732429.84  665.9533059.04  670.19
 33975.9  688.4134111.05  689.3234695.51  682.9434728.39  683.1636237.92   707.1
37226.18  712.3137413.22  717.9337746.55  731.8837785.81  733.1138076.21  740.54
38390.36  752.1638540.12  756.8839273.61     79039932.77   795.540265.18     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 17841.6     .1519512.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       17841.619512.48                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.72    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506739.00   304701.70   1886213.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1506739.00   304701.70   1886213.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2553901.00   815834.80   3360264.00
  Top Width (ft)          37178.85    Top Width (ft)          16417.52    1670.88   19090.45
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.69       2.68       1.78
  Max Chl Dpth (ft)         192.43    Hydr. Depth (ft)           91.78     182.36      98.80
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  Conv. Total (cfs)       799708600.0    Conv. (cfs)            303473500.0   96943550.0   399291600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16434.99    1674.04   19094.03
  Min Ch El (ft)            567.29    Shear (lb/sq ft)            0.41       0.80       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.69       2.15       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    47177.80    8859.24   56113.27
  C & E Loss (ft)             0.00    Cum SA (acres)            330.15      35.58     374.36


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274468.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  205.53  790.78   668.7  772.11  1408.8  760.48 1595.03  751.34
 1892.45  744.77 2066.88  741.71 2431.62  741.71 2779.81  739.46 3714.98  727.09
 3789.76  722.93  3884.8  718.29 3896.59  718.05 4106.59  715.51 4293.93  711.71
 4442.84  707.71 4602.71  702.89 4993.51   693.3 5469.79  687.69 5824.24  684.71
 5976.77  683.19 6142.74  674.65 6214.14  666.25  6592.4  665.68  6956.8  671.04
 7103.81  673.42 7333.46  656.84 7507.15  648.55 7581.45  640.26 7632.59  640.26
 7789.53  646.05 8016.53  656.13 8082.25  657.84 8217.33  664.66 8596.55  668.83
 8646.54  674.17 8807.87   690.3 9113.75  684.87 9128.45  683.36 9308.67  667.76
 9453.41  667.55 9718.76  683.74 9901.14  683.4710092.19  666.61 10286.5  661.88
10437.03  655.0210455.01  654.61 10548.6  638.0310724.22  613.1610784.05  613.16
 10827.9  620.7210960.21  648.6611072.56  668.0311477.33  660.9811642.42  656.39
11700.69  653.6611922.83  649.7912186.24  648.6212499.69  643.16 13162.6  634.87
14689.28  634.8714940.56  633.16 15586.5  633.1616083.44  641.4516146.16  649.74
16453.06  643.7616460.35  641.9116571.69   639.617259.69  605.59 17845.4  596.58
17963.94     58818381.33  586.9618489.02   578.418658.49  567.2919195.59  567.29
19360.08  570.7219517.79  596.58 19601.8  608.5419619.79   610.5 19845.6  619.75
20262.41  625.99 20674.7  625.4222674.76  618.5522783.91  618.5523001.29  619.77
23332.75  619.9124267.02  625.13 24510.8  633.4226097.96  641.7126460.13  645.65
26860.94  650.5627477.03  667.9927689.17  668.2928744.72  668.2929346.46  666.58
29605.82  666.5830149.49  658.2930374.62  653.48 30537.1  650.27 30669.7  642.21
30810.46  642.4431088.93   651.231393.64  653.7732433.67  665.92 33062.8  670.16
33979.56  688.32 34114.7  689.2334699.09  682.9234731.96  683.1436241.32  707.01
37229.47  712.2437416.48  717.8737749.77  731.8137789.04  733.04 38079.4   740.5
38393.51  752.1238543.26  756.8439276.65     79039935.74  795.5140268.11     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 17845.4     .1519517.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       17845.419517.79                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.72    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506719.00   304959.10   1886539.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1506719.00   304959.10   1886539.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2552961.00   816327.20   3360712.00
  Top Width (ft)          37182.49    Top Width (ft)          16421.03    1672.39   19089.07
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.69       2.68       1.78
  Max Chl Dpth (ft)         192.43    Hydr. Depth (ft)           91.76     182.35      98.83
  Conv. Total (cfs)       799870800.0    Conv. (cfs)            303423400.0   97021740.0   399425700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16438.52    1675.55   19092.65
  Min Ch El (ft)            567.29    Shear (lb/sq ft)            0.41       0.80       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.69       2.15       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    47004.85    8824.25   55896.74
  C & E Loss (ft)             0.00    Cum SA (acres)            328.27      35.38     372.17


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274465.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  205.57  790.78  668.84   772.1  1409.1  760.47 1595.37  751.34
 1892.86  744.77 2067.32   741.7 2432.14   741.7  2780.4  739.45 3715.77   727.1
 3790.57  722.94 3885.63   718.3 3897.42  718.06 4107.46   715.5 4294.85   711.7
 4443.78   707.7 4603.69  702.87 4994.57  693.28 5470.95  687.68 5825.48  684.69
 5978.04  683.17 6144.04  674.62 6215.46  666.21  6593.8  665.65 6958.28  671.01
 7105.32   673.4 7335.02   656.8 7508.74   648.5 7583.06   640.2 7634.21   640.2
 7791.19  645.99 8018.23  656.07 8083.96  657.79 8219.08  664.63 8598.38  668.84
 8648.38  674.19 8809.74  690.35 9115.69  684.96 9130.39  683.45 9310.65  667.84
 9455.42  667.62 9720.83  683.83 9903.24  683.5710094.34  666.6910288.69  661.95
10439.25  655.1110457.23   654.710550.85   638.1 10726.5   613.210786.34   613.2
 10830.2  620.7710962.54  648.7111074.91   668.111479.77  661.0411644.89  656.46
11703.17  653.7411925.36  649.8612188.83  648.6712502.35   643.213165.39   634.9
14692.41   634.914943.73   633.215589.81   633.216086.86   641.516149.59   649.8
16456.56  643.8116463.85  641.9716575.21  639.6617263.35  605.6217849.19   596.6
17967.87  588.0118385.75  586.9818493.56  578.4118663.22  567.2919200.57  567.29
19365.23  570.7219523.11   596.619607.11  608.54 19625.1   610.519850.88  619.72
20267.64  625.9520679.88  625.3822679.72   618.522788.85   618.523006.21  619.72
23337.63  619.8724271.79   625.124515.55   633.426102.52   641.726464.65  645.64
26865.41  650.5527481.43  668.0127693.55   668.328748.98   668.329350.65   666.6
29609.98   666.630153.59   658.330378.69  653.4830541.15  650.2730673.74  642.19
30814.48  642.4331092.92  651.19 31397.6  653.7632437.51  665.8933066.56  670.14
33983.21  688.2434118.34  689.1534702.66   682.934735.53  683.1236244.72  706.92
37232.75  712.1737419.75  717.81   37753  731.7437792.25  732.9838082.59  740.45
38396.66  752.0738546.39   756.8 39279.7     79039938.71  795.5240271.05     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517849.19     .1519523.11     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17849.1919523.11                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                   Left OB    Channel   Right OB
```

```
  Vel Head (ft)              0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.72    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1506699.00   305221.70   1886871.00
  E.G. Slope (ft/ft)     0.000071    Area (sq ft)            1506699.00   305221.70   1886871.00
  Q Total (cfs)          6730000.00    Flow (cfs)              2551998.00   816832.40   3361170.00
  Top Width (ft)         37186.29    Top Width (ft)          16424.70    1673.92   19087.68
  Vel Total (ft/s)           1.82    Avg. Vel. (ft/s)           1.69       2.68       1.78
  Max Chl Dpth (ft)        192.43    Hydr. Depth (ft)          91.73     182.34      98.85
  Conv. Total (cfs)      800035600.0    Conv. (cfs)            303371400.0   97101780.0   399562400.0
  Length Wtd. (ft)           5.00    Wetted Per. (ft)        16442.21    1677.08   19091.25
  Min Ch El (ft)           567.29    Shear (lb/sq ft)           0.40       0.80       0.44
  Alpha                      1.07    Stream Power (lb/ft s)     0.69       2.15       0.78
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    46831.90    8789.23   55680.18
  C & E Loss (ft)            0.00    Cum SA (acres)            326.38      35.19     369.98


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274462.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  205.62  790.77  668.98  772.08  1409.4  760.47 1595.71  751.33
 1893.26  744.76 2067.76  741.69 2432.65  741.69 2780.99  739.44 3716.56  727.12
 3791.38  722.96 3886.46  718.31 3898.24  718.07 4108.34   715.5 4295.76  711.69
 4444.73  707.68 4604.67  702.85 4995.63  693.26 5472.11  687.66 5826.72  684.67
 5979.31  683.15 6145.35  674.59 6216.78  666.18  6595.2  665.61 6959.76  670.99
 7106.83  673.38 7336.58  656.76 7510.34  648.45 7584.67  640.14 7635.83  640.14
 7792.84  645.94 8019.94  656.02 8085.68  657.74 8220.83  664.61 8600.21  668.85
 8650.21  674.21 8811.62  690.41 9117.63  685.05 9132.33  683.54 9312.63  667.91
 9457.43   667.7  9722.9  683.93 9905.35  683.6610096.48  666.7610290.88  662.03
10441.46   655.210459.45  654.7910553.09  638.1710728.78  613.2410788.63  613.24
 10832.5  620.8210964.87  648.7511077.27  668.1711482.21   661.111647.37  656.53
11705.66  653.82 11927.9  649.9412191.42  648.72   12505  643.2413168.19  634.93
14695.53  634.9314946.91  633.2415593.12  633.2416090.27  641.5516153.02  649.86
16460.06  643.8716467.35  642.0316578.73  639.7217267.02  605.6417852.98  596.62
 17971.8  588.0218390.16     587 18498.1  578.4218667.95  567.2919205.55  567.29
19370.39  570.7119528.43  596.6219612.41  608.5319630.41   610.519856.16  619.68
20272.87  625.9220685.07  625.3422684.67  618.4522793.79  618.4523011.12  619.67
23342.51  619.8424276.56  625.0724520.29  633.3826107.08  641.6926469.17  645.63
26869.88  650.5527485.84  668.0227697.93  668.3128753.24  668.3129354.84  666.62
29614.13  666.6230157.68  658.3130382.76  653.48 30545.2  650.2730677.78  642.18
30818.51  642.4131096.91  651.1831401.55  653.7532441.34  665.8633070.32  670.12
33986.87  688.1534121.98  689.0634706.23  682.88 34739.1   683.136248.11  706.83
37236.04   712.137423.01  717.7437756.22  731.6737795.47  732.9138085.77   740.4
38399.81  752.0238549.52  756.7639282.75     79039941.69  795.5240273.98     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517852.98     .1519528.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17852.9819528.43                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.77    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.72    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1506676.00   305485.70   1887209.00
  E.G. Slope (ft/ft)     0.000071    Area (sq ft)            1506676.00   305485.70   1887209.00
  Q Total (cfs)          6730000.00    Flow (cfs)              2551029.00   817339.90   3361631.00
  Top Width (ft)         37189.91    Top Width (ft)          16428.19    1675.45   19086.27
  Vel Total (ft/s)           1.82    Avg. Vel. (ft/s)           1.69       2.68       1.78
  Max Chl Dpth (ft)        192.43    Hydr. Depth (ft)          91.71     182.33      98.88
  Conv. Total (cfs)      800204200.0    Conv. (cfs)            303320100.0   97182590.0   399701500.0
  Length Wtd. (ft)           5.00    Wetted Per. (ft)        16445.74    1678.61   19089.84
  Min Ch El (ft)           567.29    Shear (lb/sq ft)           0.40       0.80       0.44
  Alpha                      1.07    Stream Power (lb/ft s)     0.68       2.15       0.78
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    46658.96    8754.18   55463.57
  C & E Loss (ft)            0.00    Cum SA (acres)            324.50      35.00     367.79


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274459.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  205.66  790.77  669.12  772.07 1409.69  760.47 1596.04  751.32
 1893.66  744.76  2068.2  741.68 2433.17  741.68 2781.58  739.42 3717.35  727.14
 3792.18  722.98 3887.28  718.32 3899.07  718.08 4109.21  715.49 4296.67  711.68
 4445.67  707.67 4605.65  702.84 4996.69  693.24 5473.28  687.65 5827.96  684.65
 5980.58  683.13 6146.65  674.57  6218.1  666.14  6596.6  665.58 6961.24  670.97
 7108.34  673.36 7338.14  656.72 7511.93   648.4 7586.28  640.08 7637.46  640.08
  7794.5  645.89 8021.64  655.97  8087.4   657.7 8222.58  664.58 8602.03  668.85
 8652.05  674.22 8813.49  690.47 9119.57  685.14 9134.27  683.63 9314.61  667.98
 9459.44  667.77 9724.96  684.02 9907.45  683.7610098.63  666.8410293.06   662.1
10443.68  655.2910461.67  654.8810555.33  638.2410731.06  613.2810790.92  613.28
 10834.8  620.87 10967.2   648.811079.62  668.2411484.65  661.1611649.84  656.59
11708.15  653.8911930.43  650.0112194.01  648.7612507.66  643.2813170.99  634.96
14698.65  634.9614950.08  633.2815596.44  633.2816093.69   641.616156.45  649.92
16463.56  643.9216470.84   642.116582.26  639.7817270.69  605.6717856.78  596.64
17975.73  588.0318394.57  587.0118502.64  578.4318672.69  567.2819210.53  567.28
19375.54  570.7119533.74  596.6419617.72  608.5319635.71   610.519861.44  619.64
 20278.1  625.8820690.25   625.322689.63   618.422798.73   618.423016.04  619.62
23347.38   619.824281.33  625.0424525.04  633.3626111.64  641.6826473.69  645.63
26874.36  650.5527490.24  668.0327702.31  668.32 28757.5  668.3229359.03  666.64
29618.29  666.6430161.78  658.3230386.83  653.4930549.25  650.2730681.81  642.17
30822.53   642.4 31100.9  651.18 31405.5  653.7432445.17  665.8333074.09  670.09
33990.53  688.0634125.62  688.9834709.81  682.8634742.67  683.0836251.51  706.75
37239.32  712.0337426.27  717.6837759.44  731.5937798.69  732.8438088.96  740.35
38402.96  751.9838552.66  756.72 39285.8     79039944.66  795.5340276.92     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
```

```
       0     .1517856.78     .1519533.74     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17856.7819533.74                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506656.00   305754.40   1887537.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1506656.00   305754.40   1887537.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2550070.00   817874.30   3362056.00
  Top Width (ft)          37193.56    Top Width (ft)          16431.71    1676.96   19084.89
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.69       2.67       1.78
  Max Chl Dpth (ft)         192.43    Hydr. Depth (ft)           91.69     182.33      98.90
  Conv. Total (cfs)       800373200.0    Conv. (cfs)            303270100.0   97266660.0   399836400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16449.28    1680.13   19088.46
  Min Ch El (ft)            567.28    Shear (lb/sq ft)            0.40       0.80       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.68       2.15       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    46486.02    8719.10   55246.93
  C & E Loss (ft)             0.00    Cum SA (acres)            322.61      34.81     365.60


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274456.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   205.7  790.76  669.26  772.06 1409.99  760.46 1596.38  751.31
 1894.06  744.75 2068.64  741.67 2433.69  741.67 2782.17  739.41 3718.14  727.15
 3792.99  722.99 3888.11  718.33  3899.9  718.09 4110.08  715.48 4297.58  711.67
 4446.61  707.65 4606.62  702.82 4997.75  693.22 5474.44  687.64  5829.2  684.63
 5981.85  683.12 6147.96  674.54 6219.43  666.11    6598  665.55 6962.72  670.95
 7109.85  673.34  7339.7  656.68 7513.53  648.35 7587.89  640.02 7639.08  640.02
 7796.15  645.83 8023.34  655.92 8089.12  657.65 8224.32  664.55 8603.86  668.86
 8653.89  674.24 8815.36  690.52  9121.5  685.22 9136.21  683.71 9316.58  668.05
 9461.45  667.84 9727.03  684.12 9909.55  683.8610100.77  666.9210295.25  662.18
 10445.9  655.3810463.89  654.9710557.57  638.3110733.34  613.3210793.21  613.32
 10837.1  620.9210969.53  648.8511081.97  668.3111487.09  661.2211652.32  656.66
11710.63  653.9711932.96  650.08 12196.6  648.8112510.32  643.3213173.79  634.99
14701.77  634.9914953.26  633.3215599.75  633.3216097.11  641.6516159.88  649.98
16467.05  643.9716474.34  642.1616585.78  639.8517274.36   605.717860.57  596.66
17979.66  588.0418398.99  587.0318507.17  578.4418677.42  567.2819215.51  567.28
19380.69  570.7119539.06  596.6619623.03  608.5319641.02  610.4919866.72  619.61
20283.34  625.8520695.44  625.2622694.58  618.3522803.67  618.3523020.96  619.57
23352.26  619.7624286.11  625.0124529.78  633.3426116.21  641.6726478.21  645.62
26878.83  650.5427494.64  668.0427706.69  668.3328761.75  668.3329363.21  666.66
29622.45  666.6630165.88  658.33 30390.9  653.4930553.31  650.2730685.85  642.15
30826.55  642.3831104.88  651.1731409.46  653.7432449.01   665.833077.85  670.07
33994.19  687.9834129.26  688.8934713.38  682.8434746.24  683.0636254.91  706.66
 37242.6  711.9637429.54  717.6237762.67  731.5237801.91  732.7738092.14   740.3
38406.11  751.9338555.79  756.6839288.85     79039947.64  795.5440279.86     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517860.57     .1519539.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17860.5719539.06                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506631.00   306016.70   1887871.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1506631.00   306016.70   1887871.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2549096.00   818379.30   3362525.00
  Top Width (ft)          37197.37    Top Width (ft)          16435.39    1678.49   19083.49
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.69       2.67       1.78
  Max Chl Dpth (ft)         192.43    Hydr. Depth (ft)           91.67     182.32      98.93
  Conv. Total (cfs)       800536800.0    Conv. (cfs)            303216200.0   97346610.0   399974000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16452.99    1681.66   19087.05
  Min Ch El (ft)            567.28    Shear (lb/sq ft)            0.40       0.80       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.68       2.15       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    46313.08    8683.99   55030.25
  C & E Loss (ft)             0.00    Cum SA (acres)            320.72      34.61     363.41


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274453.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  205.75  790.76  669.41  772.05 1410.29  760.46 1596.72   751.3
 1894.47  744.74 2069.07  741.66 2434.21  741.66 2782.76   739.4 3718.92  727.17
 3793.79  723.01 3888.93  718.34 3900.73   718.1 4110.95  715.48  4298.5  711.66
 4447.56  707.64  4607.6   702.8 4998.81   693.2  5475.6  687.62 5830.43  684.61
 5983.12   683.1 6149.27  674.51 6220.75  666.07  6599.4  665.51  6964.2  670.92
 7111.36  673.32 7341.25  656.64 7515.13   648.3  7589.5  639.96  7640.7  639.96
 7797.81  645.78 8025.05  655.86 8090.83  657.61 8226.07  664.52 8605.69  668.87
 8655.73  674.26 8817.23  690.58 9123.44  685.31 9138.15   683.8 9318.56  668.12
 9463.46  667.91 9729.09  684.21 9911.66  683.9510102.92     66710297.44  662.25
10448.12  655.4710466.12  655.0610559.81  638.3810735.62  613.3610795.51  613.36
10839.41  620.9710971.86  648.8911084.33  668.3811489.53  661.2811654.79  656.73
11713.12  654.05 11935.5  650.1512199.19  648.8612512.97  643.3613176.58  635.02
14704.89  635.0214956.44  633.3615603.06  633.3616100.53   641.716163.32  650.04
16470.55  644.0216477.84  642.22 16589.3  639.9117278.03  605.7217864.36  596.68
17983.59  588.05 18403.4  587.0518511.71  578.4518682.16  567.2819220.49  567.28
19385.84   570.719544.38  596.6819628.34  608.5319646.32  610.49   19872  619.57
20288.57  625.8120700.62  625.2122699.54   618.322808.62   618.323025.88  619.52
23357.14  619.7324290.88  624.9824534.52  633.3226120.77  641.6626482.73  645.62
26883.31  650.5427499.05  668.0527711.07  668.3428766.01  668.34 29367.4  666.68
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29626.61  666.6830169.97  658.3430394.97   653.530557.36  650.2630689.88  642.14
30830.57  642.3731108.88  651.1631413.41  653.7332452.84  665.7733081.61  670.04
33997.84  687.89 34132.9  688.8134716.96  682.8234749.81  683.04 36258.3  706.57
37245.89  711.88 37432.8  717.5637765.89  731.4537805.13   732.738095.33  740.26
38409.26  751.8938558.92  756.64 39291.9     79039950.61  795.5440282.79     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517864.36     .1519544.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17864.3619544.38                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506622.00   306280.70   1888220.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1506622.00   306280.70   1888220.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2548140.00   818876.80   3362983.00
  Top Width (ft)          37200.98    Top Width (ft)          16438.88    1680.02   19082.08
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.69       2.67       1.78
  Max Chl Dpth (ft)         192.43    Hydr. Depth (ft)           91.65     182.31      98.95
  Conv. Total (cfs)       800714200.0    Conv. (cfs)            303169700.0   97427390.0   400117200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16456.51    1683.19   19085.63
  Min Ch El (ft)            567.28    Shear (lb/sq ft)            0.40       0.80       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.68       2.15       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    46140.14    8648.85   54813.54
  C & E Loss (ft)             0.00    Cum SA (acres)            318.84      34.42     361.22


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274450.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  205.79  790.75  669.55  772.03 1410.59  760.46 1597.06   751.3
 1894.87  744.74 2069.51  741.65 2434.72  741.65 2783.35  739.38 3719.71  727.19
  3794.6  723.02 3889.76  718.35 3901.56  718.11 4111.83  715.47 4299.41  711.65
  4448.5  707.62 4608.58  702.79 4999.88  693.18 5476.76  687.61 5831.67   684.6
 5984.39  683.08 6150.57  674.49 6222.07  666.03  6600.8  665.48 6965.68   670.9
 7112.87   673.3 7342.81   656.6 7516.72  648.25 7591.12   639.9 7642.32   639.9
 7799.47  645.73 8026.75  655.81 8092.55  657.56 8227.81   664.5 8607.52  668.87
 8657.57  674.28  8819.1  690.64 9125.38   685.4 9140.09  683.89 9320.54  668.19
 9465.46  667.99 9731.16  684.31 9913.76  684.0510105.06  667.0810299.62  662.33
10450.34  655.5610468.34  655.1510562.06  638.45 10737.9   613.4 10797.8   613.4
10841.71  621.0110974.19  648.9411086.68  668.4511491.97  661.3511657.27   656.8
11715.61  654.1211938.03  650.2312201.78   648.912515.63   643.413179.38  635.05
14708.02  635.0514959.61   633.415606.38   633.416103.95  641.7516166.75   650.1
16474.05  644.0816481.34  642.2816592.82  639.97 17281.7  605.7517868.15   596.7
17987.52  588.0718407.81  587.0718516.25  578.4618686.89  567.2819225.46  567.28
19390.99   570.7 19549.7   596.719633.64  608.5319651.63  610.4919877.28  619.53
 20293.8  625.78 20705.8  625.1722704.49  618.2522813.56  618.2523030.79  619.47
23362.02  619.6924295.65  624.9524539.27   633.326125.33  641.6526487.25  645.61
26887.78  650.5427503.45  668.0727715.45  668.3528770.27  668.3529371.59   666.7
29630.77   666.730174.07  658.3530399.04   653.530561.41  650.2630693.92  642.13
30834.59  642.3631112.86  651.1631417.37  653.7232456.68  665.7433085.37  670.02
 34001.5   687.834136.54  688.7234720.53   682.834753.38  683.02 36261.7  706.48
37249.17  711.8137436.06  717.4937769.11  731.3837808.35  732.6338098.52  740.21
38412.41  751.8438562.05   756.639294.95     79039953.58  795.5540285.73     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517868.15     .15 19549.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17868.15 19549.7                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506582.00   306539.80   1888555.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1506582.00   306539.80   1888555.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2547158.00   819371.80   3363471.00
  Top Width (ft)          37204.59    Top Width (ft)          16442.37    1681.55   19080.67
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.69       2.67       1.78
  Max Chl Dpth (ft)         192.43    Hydr. Depth (ft)           91.63     182.30      98.98
  Conv. Total (cfs)       800874300.0    Conv. (cfs)            303113400.0   97505770.0   400255200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16460.02    1684.72   19084.22
  Min Ch El (ft)            567.28    Shear (lb/sq ft)            0.40       0.80       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.68       2.14       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    45967.21    8613.68   54596.78
  C & E Loss (ft)             0.00    Cum SA (acres)            316.95      34.23     359.03


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274447.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  205.84  790.75  669.69  772.02 1410.89  760.46  1597.4  751.29
 1895.27  744.73 2069.95  741.64 2435.24  741.64 2783.94  739.37  3720.5  727.21
  3795.4  723.04 3890.58  718.36 3902.38  718.12  4112.7  715.47 4300.32  711.64
 4449.45  707.61 4609.56  702.77 5000.94  693.16 5477.93  687.59 5832.91  684.58
 5985.66  683.06 6151.88  674.46 6223.39     666  6602.2  665.45 6967.15  670.88
 7114.38  673.28 7344.37  656.56 7518.32   648.2 7592.73  639.84 7643.94  639.84
 7801.12  645.68 8028.46  655.76 8094.27  657.52 8229.56  664.47 8609.34  668.88
  8659.4  674.29 8820.98  690.69 9127.31  685.49 9142.03  683.98 9322.52  668.26
 9467.47  668.06 9733.22   684.4 9915.87  684.1510107.21  667.1610301.81   662.4
10452.55  655.6510470.56  655.24 10564.3  638.5210740.18  613.4410800.09  613.44
10844.01  621.0610976.52  648.9911089.03  668.5211494.41  661.4111659.74  656.87
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11718.09   654.211940.57   650.312204.37  648.9512518.29  643.4413182.18  635.08
14711.14  635.0814962.79  633.4415609.69  633.4416107.37   641.816170.18  650.16
16477.54  644.1316484.84  642.3516596.35  640.0317285.37  605.7717871.95  596.72
17991.45  588.0818412.23  587.0818520.79  578.4718691.62  567.2819230.44  567.28
19396.14  570.6919555.01  596.7219638.95  608.5319656.93  610.4819882.55   619.5
20299.03  625.7420710.99  625.1322709.45   618.2 22818.5   618.223035.71  619.43
 23366.9  619.6524300.42  624.9224544.01  633.2826129.89  641.6426491.77  645.61
26892.26  650.5327507.85  668.0827719.83  668.3628774.53  668.3629375.78  666.72
29634.93  666.7230178.17  658.3630403.11   653.530565.46  650.2630697.96  642.11
30838.61  642.3431116.85  651.1531421.32  653.7132460.51  665.7133089.13     670
34005.16  687.7234140.19  688.6434724.11  682.7834756.95     683 36265.1  706.39
37252.45  711.7437439.32  717.4337772.34  731.3137811.57  732.56 38101.7  740.16
38415.56   751.838565.19  756.56   39298     79039956.55  795.5640288.66     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517871.95     .1519555.01     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17871.9519555.01                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506563.00   306803.20   1888888.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1506563.00   306803.20   1888888.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2546203.00   819881.40   3363916.00
  Top Width (ft)          37208.21    Top Width (ft)          16445.87    1683.06   19079.28
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.69       2.67       1.78
  Max Chl Dpth (ft)         192.43    Hydr. Depth (ft)           91.61     182.29      99.00
  Conv. Total (cfs)       801042800.0    Conv. (cfs)            303063500.0   97586940.0   400392400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16463.54    1686.23   19082.83
  Min Ch El (ft)            567.28    Shear (lb/sq ft)            0.40       0.80       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.68       2.14       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    45794.28    8578.48   54379.98
  C & E Loss (ft)             0.00    Cum SA (acres)            315.06      34.04     356.84


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274444.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  205.88  790.74  669.83  772.01 1411.19  760.45 1597.74  751.28
 1895.67  744.72 2070.39  741.63 2435.76  741.63 2784.53  739.36 3721.29  727.22
 3796.21  723.05 3891.41  718.37 3903.21  718.13 4113.57  715.46 4301.24  711.63
 4450.39  707.59 4610.54  702.75    5002  693.14 5479.09  687.58 5834.15  684.56
 5986.93  683.04 6153.18  674.43 6224.71  665.96  6603.6  665.41 6968.63  670.85
 7115.89  673.26 7345.93  656.52 7519.91  648.15 7594.34  639.78 7645.57  639.78
 7802.78  645.62 8030.16   655.7 8095.99  657.47 8231.31  664.44 8611.17  668.89
 8661.24  674.31 8822.85  690.75 9129.25  685.58 9143.97  684.07  9324.5  668.34
 9469.48  668.13 9735.29   684.5 9917.97  684.2410109.35  667.23   10304  662.48
10454.77  655.7410472.78  655.3310566.54  638.5910742.46  613.4810802.38  613.48
10846.31  621.1110978.85  649.0311091.39  668.5911496.85  661.4711662.22  656.93
11720.58  654.28 11943.1  650.3712206.96     64912520.94  643.4813184.98  635.11
14714.26  635.1114965.96  633.48   15613  633.4816110.78  641.8516173.61  650.22
16481.04  644.1816488.34  642.4116599.87  640.0917289.03   605.817875.74  596.74
17995.38  588.0918416.64   587.118525.33  578.4818696.36  567.2819235.42  567.28
 19401.3  570.6919560.33  596.7419644.26  608.5219662.24  610.4819887.83  619.46
20304.26  625.7120716.17  625.09 22714.4  618.1522823.44  618.1523040.63  619.38
23371.78  619.6224305.19  624.8924548.75  633.2626134.45  641.6326496.29   645.6
26896.73  650.5327512.26  668.0927724.21  668.3728778.79  668.3729379.97  666.74
29639.09  666.7430182.26  658.3730407.18  653.5130569.52  650.26   30702   642.1
30842.63  642.3331120.84  651.1431425.27  653.7132464.35  665.6833092.89  669.97
34008.81  687.6334143.83  688.5534727.68  682.7534760.52  682.98 36268.5  706.31
37255.74  711.6737442.59  717.3737775.56  731.2437814.79  732.4938104.89  740.11
38418.71  751.7538568.32  756.5239301.04     79039959.53  795.5640291.59     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517875.74     .1519560.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17875.7419560.33                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506553.00   307065.30   1889211.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1506553.00   307065.30   1889211.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2545269.00   820383.40   3364347.00
  Top Width (ft)          37212.01    Top Width (ft)          16449.55    1684.59   19077.87
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.69       2.67       1.78
  Max Chl Dpth (ft)         192.43    Hydr. Depth (ft)           91.59     182.28      99.03
  Conv. Total (cfs)       801208000.0    Conv. (cfs)            303014900.0   97666830.0   400526300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16467.25    1687.77   19081.41
  Min Ch El (ft)            567.28    Shear (lb/sq ft)            0.40       0.80       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.68       2.14       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    45621.35    8543.25   54163.15
  C & E Loss (ft)             0.00    Cum SA (acres)            313.17      33.84     354.65


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274441.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  205.92  790.74  669.97     772 1411.49  760.45 1598.08  751.27
 1896.07  744.72 2070.83  741.62 2436.27  741.62 2785.13  739.35 3722.08  727.24
 3797.01  723.07 3892.24  718.38 3904.04  718.14 4114.45  715.46 4302.15  711.62
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 4451.34  707.58 4611.52  702.74 5003.06  693.12 5480.25  687.56 5835.39  684.54
  5988.2  683.02 6154.49   674.4 6226.03  665.92 6605.01  665.38 6970.11  670.83
  7117.4  673.24 7347.49  656.48 7521.51   648.1 7595.95  639.72 7647.19  639.72
 7804.43  645.57 8031.86  655.65 8097.71  657.42 8233.05  664.41    8613  668.89
 8663.08  674.33 8824.72  690.81 9131.19  685.67 9145.92  684.16 9326.48  668.41
 9471.49  668.21 9737.36  684.59 9920.08  684.34 10111.5  667.3110306.18  662.55
10456.99  655.8410475.01  655.4210568.78  638.6610744.74  613.5210804.68  613.52
10848.61  621.1610981.18  649.0811093.74  668.6611499.29  661.5311664.69     657
11723.07  654.3611945.63  650.4412209.55  649.04 12523.6  643.5213187.78  635.14
14717.38  635.1414969.14  633.5215616.31  633.52 16114.2   641.916177.04  650.28
16484.54  644.2416491.84  642.4716603.39  640.15 17292.7  605.8317879.53  596.76
17999.31   588.118421.05  587.1218529.86  578.4918701.09  567.28 19240.4  567.28
19406.45  570.6819565.65  596.7619649.57  608.5219667.54  610.4819893.11  619.42
20309.49  625.6720721.36  625.0522719.36   618.122828.38   618.123045.54  619.33
23376.66  619.5824309.96  624.86 24553.5  633.2426139.01  641.6226500.81   645.6
 26901.2  650.5327516.66   668.127728.58  668.3828783.04  668.3829384.16  666.76
29643.25  666.7630186.36  658.3830411.25  653.5130573.57  650.2630706.03  642.09
30846.65  642.3131124.83  651.1431429.23   653.732468.18  665.6633096.66  669.95
34012.47  687.5434147.47  688.4734731.25  682.7334764.09  682.9636271.89  706.22
37259.02   711.637445.85   717.337778.79  731.1737818.01  732.4338108.08  740.07
38421.86   751.738571.45  756.4839304.09     790 39962.5  795.5740294.53     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517879.53     .1519565.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17879.5319565.65                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506521.00   307329.40   1889535.00
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            1506521.00   307329.40   1889535.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2544304.00   820897.00   3364799.00
  Top Width (ft)          37215.62    Top Width (ft)          16453.05    1686.12   19076.45
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.69       2.67       1.78
  Max Chl Dpth (ft)         192.43    Hydr. Depth (ft)           91.56     182.27      99.05
  Conv. Total (cfs)       801369200.0    Conv. (cfs)             302960900.0   97747630.0   400660700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16470.78    1689.30   19080.00
  Min Ch El (ft)            567.28    Shear (lb/sq ft)            0.40       0.80       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.68       2.14       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    45448.42    8507.98   53946.28
  C & E Loss (ft)             0.00    Cum SA (acres)            311.29      33.65     352.46


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274438.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  205.97  790.74  670.12  771.99 1411.79  760.45 1598.42  751.27
 1896.48  744.71 2071.27  741.61 2436.79  741.61 2785.72  739.33 3722.87  727.26
 3797.82  723.09 3893.06  718.39 3904.87  718.15 4115.32  715.45 4303.06  711.61
 4452.28  707.56 4612.49  702.72 5004.12   693.1 5481.41  687.55 5836.62  684.52
 5989.47     683 6155.79  674.38 6227.35  665.89 6606.41  665.35 6971.59  670.81
 7118.91  673.22 7349.05  656.44  7523.1  648.05 7597.56  639.66 7648.81  639.66
 7806.09  645.52 8033.57   655.6 8099.42  657.38  8234.8  664.39 8614.82   668.9
 8664.92  674.34 8826.59  690.87 9133.13  685.76 9147.86  684.24 9328.46  668.48
  9473.5  668.28 9739.42  684.69 9922.18  684.4410113.64  667.3910308.37  662.63
10459.21  655.9310477.23  655.5110571.02  638.7310747.01  613.5610806.97  613.56
10850.91  621.2110983.51  649.1311096.09  668.7311501.72  661.5911667.16  657.07
11725.56  654.4311948.17  650.5112212.14  649.0912526.26  643.5613190.57  635.17
 14720.5  635.1714972.31  633.5615619.63  633.5616117.62  641.9516180.48  650.34
16488.04  644.2916495.33  642.5416606.91  640.2117296.37  605.8517883.33  596.78
18003.24  588.1118425.47  587.14 18534.4   578.518705.83  567.2819245.38  567.28
 19411.6  570.6819570.96  596.7819654.87  608.5219672.85  610.4819898.39  619.39
20314.72  625.6420726.54  625.0122724.31  618.0522833.33  618.0523050.46  619.28
23381.54  619.5424314.74  624.8324558.24  633.2226143.58  641.6126505.33  645.59
26905.68  650.5327521.06  668.1127732.96  668.39 28787.3  668.3929388.35  666.78
29647.41  666.7830190.46  658.3930415.32  653.5230577.62  650.2630710.07  642.08
30850.67   642.331128.82  651.1331433.18  653.6932472.01  665.6333100.42  669.92
34016.13  687.4634151.11  688.3834734.83  682.7134767.66  682.9436275.29  706.13
 37262.3  711.5337449.11  717.2437782.01   731.137821.23  732.3638111.27  740.02
38425.01  751.6638574.59  756.4439307.14     79039965.48  795.5840297.46     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517883.33     .1519570.96     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17883.3319570.96                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506498.00   307587.90   1889870.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1506498.00   307587.90   1889870.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2543351.00   821388.00   3365261.00
  Top Width (ft)          37219.22    Top Width (ft)          16456.54    1687.63   19075.05
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.69       2.67       1.78
  Max Chl Dpth (ft)         192.43    Hydr. Depth (ft)           91.54     182.26      99.08
  Conv. Total (cfs)       801535200.0    Conv. (cfs)             302910200.0   97826360.0   400798700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16474.29    1690.81   19078.59
  Min Ch El (ft)            567.28    Shear (lb/sq ft)            0.40       0.80       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.68       2.14       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    45275.50    8472.69   53729.37
  C & E Loss (ft)             0.00    Cum SA (acres)            309.40      33.46     350.27


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274435.*
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INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  206.01  790.73  670.26  771.97 1412.09  760.44 1598.76  751.26
 1896.88  744.71 2071.71   741.6 2437.31   741.6 2786.31  739.32 3723.66  727.27
 3798.63   723.1 3893.89   718.4  3905.7  718.16 4116.19  715.45 4303.97   711.6
 4453.23  707.55 4613.47   702.7 5005.18  693.08 5482.58  687.53 5837.86   684.5
 5990.74  682.98  6157.1  674.35 6228.67  665.85 6607.81  665.31 6973.07  670.79
 7120.42   673.2 7350.61   656.4  7524.7     648 7599.17   639.6 7650.43   639.6
 7807.74  645.46 8035.27  655.54 8101.14  657.33 8236.55  664.36 8616.65  668.91
 8666.75  674.36 8828.46  690.92 9135.06  685.84 9149.79  684.33 9330.43  668.55
 9475.51  668.35 9741.49  684.78 9924.29  684.5310115.79  667.4710310.55   662.7
10461.43  656.0210479.45   655.610573.27   638.810749.29   613.610809.26   613.6
10853.21  621.2610985.84  649.1711098.45   668.811504.16  661.6511669.64  657.14
11728.04  654.51 11950.7  650.5912214.73  649.1312528.92   643.613193.37   635.2
14723.63   635.214975.49   633.615622.94   633.616121.04     64216183.91   650.4
16491.53  644.3416498.83   642.616610.44  640.2717300.04  605.8817887.12   596.8
18007.17  588.1218429.88  587.1618538.94  578.5118710.56  567.2819250.36  567.28
19416.75  570.6819576.28   596.819660.18  608.5219678.15  610.4719903.67  619.35
20319.96   625.620731.72  624.9622729.26     61822838.27     61823055.38  619.23
23386.42  619.5124319.51   624.824562.99   633.226148.14   641.626509.85  645.59
26910.15  650.5227525.47  668.1227737.34   668.428791.56   668.429392.54   666.8
29651.57   666.830194.55   658.4 30419.4  653.5230581.67  650.2630714.11  642.06
30854.69  642.2831132.81  651.1231437.13  653.6832475.85   665.633104.18   669.9
34019.79  687.3734154.75   688.3 34738.4  682.6934771.23  682.9236278.69  706.04
37265.59  711.4537452.37  717.1837785.23  731.0337824.45  732.2938114.45  739.97
38428.16  751.6138577.72   756.439310.19     79039968.45  795.58 40300.4     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517887.12     .1519576.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17887.1219576.28                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1506490.00   307850.00   1890227.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)             1506490.00   307850.00   1890227.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2542382.00   821876.30   3365742.00
  Top Width (ft)          37223.02    Top Width (ft)           16460.22    1689.16   19073.63
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)             1.69       2.67       1.78
  Max Chl Dpth (ft)         192.43    Hydr. Depth (ft)            91.52     182.25      99.10
  Conv. Total (cfs)       801712800.0    Conv. (cfs)             302861800.0   97906190.0   400944800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         16478.00    1692.34   19077.18
  Min Ch El (ft)            567.28    Shear (lb/sq ft)             0.40       0.80       0.44
  Alpha                       1.07    Stream Power (lb/ft s)       0.68       2.14       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    45102.58    8437.37   53512.42
  C & E Loss (ft)             0.00    Cum SA (acres)            307.51      33.26     348.08


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274433.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  206.05  790.73   670.4  771.96 1412.39  760.44  1599.1  751.25
 1897.28   744.7 2072.15  741.59 2437.82  741.59  2786.9  739.31 3724.45  727.29
 3799.43  723.12 3894.71  718.41 3906.53  718.17 4117.06  715.44 4304.89  711.59
 4454.17  707.53 4614.45  702.68 5006.24  693.06 5483.74  687.52  5839.1  684.48
 5992.01  682.97 6158.41  674.32 6229.99  665.81 6609.21  665.28 6974.55  670.76
 7121.93  673.18 7352.17  656.36 7526.29  647.95 7600.78  639.54 7652.06  639.54
  7809.4  645.41 8036.98  655.49 8102.86  657.29 8238.29  664.33 8618.48  668.91
 8668.59  674.38 8830.34  690.98    9137  685.93 9151.74  684.42 9332.41  668.62
 9477.52  668.42 9743.55  684.88 9926.39  684.6310117.93  667.5510312.74  662.78
10463.65  656.1110481.67  655.6910575.51  638.8710751.57  613.6410811.55  613.64
10855.52  621.3110988.17  649.22 11100.8  668.87 11506.6  661.7111672.11  657.21
11730.53  654.5911953.24  650.6612217.32  649.1812531.57  643.6413196.17  635.23
14726.75  635.2314978.67  633.6415626.25  633.6416124.46  642.0516187.34  650.46
16495.03  644.3916502.33  642.6616613.96  640.3317303.71   605.917890.91  596.82
 18011.1  588.1418434.29  587.1718543.48  578.5118715.29  567.2719255.34  567.27
 19421.9  570.67 19581.6  596.8219665.49  608.5219683.46  610.4719908.95  619.32
20325.19  625.5720736.91  624.9222734.22  617.9522843.21  617.9523060.29  619.18
 23391.3  619.4724324.28  624.7724567.73  633.18 26152.7  641.5926514.38  645.58
26914.62  650.5227529.87  668.1427741.72  668.4128795.82  668.4129396.73  666.82
29655.72  666.8230198.65  658.4130423.47  653.5330585.72  650.2530718.14  642.05
30858.71  642.2731136.79  651.1131441.09  653.6832479.68  665.5733107.95  669.88
34023.44  687.2834158.39  688.2134741.98  682.67 34774.8   682.936282.09  705.95
37268.88  711.3837455.63  717.1237788.46  730.9637827.67  732.2238117.64  739.92
38431.31  751.5738580.85  756.3639313.24     79039971.42  795.5940303.34     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517890.91     .15 19581.6     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17890.91 19581.6                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1506467.00   308122.00   1890549.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)             1506467.00   308122.00   1890549.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2541423.00   822418.40   3366159.00
  Top Width (ft)          37226.63    Top Width (ft)           16463.72    1690.69   19072.22
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)             1.69       2.67       1.78
  Max Chl Dpth (ft)         192.44    Hydr. Depth (ft)            91.50     182.25      99.13
  Conv. Total (cfs)       801880600.0    Conv. (cfs)             302810900.0   97991290.0   401078400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         16481.52    1693.88   19075.75
  Min Ch El (ft)            567.27    Shear (lb/sq ft)             0.40       0.80       0.44
  Alpha                       1.07    Stream Power (lb/ft s)       0.68       2.14       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    44929.66    8402.02   53295.43
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  C & E Loss (ft)             0.00    Cum SA (acres)            305.62      33.07     345.89


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274430.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   206.1  790.72  670.54  771.95 1412.69  760.44 1599.43  751.24
 1897.68  744.69 2072.59  741.58 2438.34  741.58 2787.49   739.3 3725.24  727.31
 3800.24  723.13 3895.54  718.42 3907.35  718.18 4117.94  715.44  4305.8  711.58
 4455.11  707.52 4615.43  702.67 5007.31  693.05  5484.9   687.5 5840.34  684.47
 5993.28  682.95 6159.71   674.3 6231.31  665.78 6610.61  665.25 6976.03  670.74
 7123.44  673.16 7353.72  656.32 7527.89   647.9  7602.4  639.48 7653.68  639.48
 7811.06  645.36 8038.68  655.44 8104.58  657.24 8240.04  664.31 8620.31  668.92
 8670.43   674.4 8832.21  691.04 9138.94  686.02 9153.68  684.51 9334.39  668.69
 9479.53   668.5 9745.62  684.97 9928.49  684.7310120.08  667.6310314.93  662.85
10465.87   656.210483.89 655.7810577.75  638.9410753.85  613.6810813.84  613.68
10857.82  621.36 10990.5  649.2711103.16  668.9411509.04  661.7811674.59  657.27
11733.02  654.6611955.77  650.7312219.91  649.2312534.23  643.6813198.97  635.26
14729.87  635.2614981.84  633.6815629.57  633.6816127.88   642.116190.77  650.52
16498.53  644.4516505.83  642.7216617.48  640.3917307.38  605.9317894.71  596.84
18015.03  588.1518438.71  587.1918548.02  578.5218720.03  567.2719260.32  567.27
19427.05  570.6719586.91  596.8419670.79  608.5119688.76  610.4719914.23  619.28
20330.42  625.5320742.09  624.8822739.17   617.922848.15   617.923065.21  619.13
23396.18  619.4424329.05  624.7424572.47  633.1626157.26  641.5826518.89  645.58
 26919.1  650.5227534.27  668.15 27746.1  668.4228800.07  668.4229400.91  666.84
29659.88  666.8430202.74  658.4230427.54  653.5330589.78  650.2530722.18  642.04
30862.73  642.2631140.78  651.1131445.04  653.6732483.52  665.5433111.71  669.85
 34027.1   687.234162.04  688.1234745.55  682.6534778.38  682.8836285.48  705.87
37272.16  711.31 37458.9  717.0537791.68  730.8937830.89  732.1538120.82  739.88
38434.46  751.5238583.98  756.3239316.29     79039974.39   795.640306.27     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517894.71     .1519586.91     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17894.7119586.91                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506423.00   308380.50   1890870.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1506423.00   308380.50   1890870.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2540448.00   822920.90   3366632.00
  Top Width (ft)          37230.23    Top Width (ft)          16467.22    1692.20   19070.80
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.69       2.67       1.78
  Max Chl Dpth (ft)         192.44    Hydr. Depth (ft)           91.48     182.24      99.15
  Conv. Total (cfs)       802034600.0    Conv. (cfs)            302752900.0   98069990.0   401211700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16485.06    1695.39   19074.33
  Min Ch El (ft)            567.27    Shear (lb/sq ft)            0.40       0.80       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.68       2.13       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    44756.74    8366.64   53078.41
  C & E Loss (ft)             0.00    Cum SA (acres)            303.73      32.87     343.70


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274427.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  206.14  790.72  670.69  771.94 1412.99  760.44 1599.77  751.23
 1898.09  744.69 2073.03  741.57 2438.86  741.57 2788.08  739.28 3726.03  727.33
 3801.04  723.15 3896.36  718.43 3908.18  718.19 4118.81  715.43 4306.71  711.57
 4456.06   707.5 4616.41  702.65 5008.37  693.03 5486.06  687.49 5841.58  684.45
 5994.56  682.93 6161.02  674.27 6232.63  665.74 6612.01  665.22  6977.5  670.72
 7124.95  673.14 7355.28  656.28 7529.49  647.85 7604.01  639.42  7655.3  639.42
 7812.71   645.3 8040.38  655.39  8106.3  657.19 8241.79  664.28 8622.13  668.93
 8672.27  674.41 8834.08  691.09 9140.87  686.11 9155.62   684.6 9336.37  668.77
 9481.54  668.57 9747.68  685.07  9930.6  684.8210122.22   667.710317.11  662.93
10468.08  656.2910486.12  655.8710579.99  639.0110756.13  613.7210816.14  613.72
10860.12  621.4110992.83  649.3111105.51  669.0111511.48  661.8411677.06  657.34
 11735.5  654.7411958.31   650.8 12222.5  649.2712536.88  643.7213201.76  635.29
14732.99  635.2914985.02  633.7215632.88  633.72 16131.3  642.15 16194.2  650.58
16502.02   644.516509.33  642.79   16621  640.4517311.04  605.95 17898.5  596.86
18018.96  588.1618443.12  587.2118552.55  578.5318724.76  567.27 19265.3  567.27
19432.21  570.6619592.23  596.86 19676.1  608.5119694.07  610.4619919.51  619.24
20335.65   625.520747.28  624.8422744.13  617.8522853.09  617.8523070.13  619.09
23401.05   619.424333.82  624.7124577.22  633.1426161.82  641.5726523.41  645.57
26923.57  650.5127538.68  668.1627750.48  668.4328804.33  668.43 29405.1  666.86
29664.04  666.8630206.84  658.4330431.61  653.5330593.83  650.2530726.22  642.02
30866.75  642.2431144.77   651.131448.99  653.6632487.35  665.5133115.47  669.83
34030.75  687.1134165.68  688.0434749.12  682.6334781.95  682.8636288.88  705.78
37275.44  711.2437462.16  716.9937794.91  730.8237834.11  732.0838124.01  739.83
38437.61  751.4838587.12  756.2839319.34     79039977.37   795.6 40309.2     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 17898.5     .1519592.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       17898.519592.23                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506412.00   308644.60   1891209.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1506412.00   308644.60   1891209.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2539504.00   823420.30   3367076.00
```

```
  Top Width (ft)          37233.84    Top Width (ft)          16470.72    1693.73   19069.39
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.69       2.67       1.78
  Max Chl Dpth (ft)         192.44    Hydr. Depth (ft)           91.46     182.23      99.18
  Conv. Total (cfs)       802208700.0    Conv. (cfs)            302706100.0   98150810.0   401351700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16488.58    1696.92   19072.92
  Min Ch El (ft)            567.27    Shear (lb/sq ft)            0.40       0.80       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.68       2.13       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    44583.83    8331.23   52861.35
  C & E Loss (ft)             0.00    Cum SA (acres)            301.84      32.68     341.51


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274424.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  206.19  790.71  670.83  771.92 1413.29  760.43 1600.11  751.23
 1898.49  744.68 2073.47  741.56 2439.37  741.56 2788.67  739.27 3726.82  727.34
 3801.85  723.16 3897.19  718.44 3909.01   718.2 4119.68  715.42 4307.62  711.56
    4457  707.49 4617.39  702.63 5009.43  693.01 5487.23  687.47 5842.81  684.43
 5995.83  682.91 6162.32  674.24 6233.96   665.7 6613.41  665.18 6978.98  670.69
 7126.46  673.12 7356.84  656.24 7531.08   647.8 7605.62  639.36 7656.92  639.36
 7814.37  645.25 8042.09  655.33 8108.01  657.15 8243.53  664.25 8623.96  668.94
 8674.11  674.43 8835.95  691.15 9142.81   686.2 9157.56  684.69 9338.35  668.84
 9483.55  668.64 9749.75  685.16  9932.7  684.9210124.37  667.78 10319.3     663
 10470.3  656.3810488.34  655.9610582.24  639.0810758.41  613.7610818.43  613.76
10862.42  621.4610995.16  649.3611107.86  669.0811513.92   661.911679.54  657.41
11737.99  654.8211960.84  650.8712225.09  649.3212539.54  643.7613204.56  635.32
14736.12  635.3214988.19  633.7615636.19  633.7616134.71   642.216197.63  650.64
16505.52  644.5516512.83  642.8516624.53  640.5117314.71  605.9817902.29  596.88
18022.89  588.1718447.53  587.2318557.09  578.54 18729.5  567.2719270.28  567.27
19437.36  570.6619597.55  596.8819681.41  608.5119699.38  610.4619924.79  619.21
20340.88  625.4620752.46   624.822749.08   617.822858.04   617.823075.05  619.04
23405.93  619.36 24338.6  624.6824581.96  633.1226166.38  641.5626527.93  645.57
26928.05  650.5127543.08  668.1727754.86  668.4428808.59  668.4429409.29  666.88
 29668.2  666.8830210.94  658.4430435.68  653.5430597.88  650.2530730.25  642.01
30870.78  642.2331148.76  651.0931452.95  653.6532491.19  665.4833119.23  669.81
34034.41  687.0334169.32  687.95 34752.7  682.6134785.52  682.8436292.28  705.69
37278.73  711.1737465.42  716.9337798.13  730.7537837.33  732.01 38127.2  739.78
38440.76  751.4338590.25  756.2439322.39     79039980.34  795.6140312.14     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517902.29     .1519597.55     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17902.2919597.55                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506396.00   308906.80   1891538.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1506396.00   308906.80   1891538.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2538558.00   823919.80   3367523.00
  Top Width (ft)          37237.60    Top Width (ft)          16474.38    1695.26   19067.96
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.69       2.67       1.78
  Max Chl Dpth (ft)         192.44    Hydr. Depth (ft)           91.44     182.22      99.20
  Conv. Total (cfs)       802374500.0    Conv. (cfs)            302655900.0   98230650.0   401488000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16492.27    1698.46   19071.49
  Min Ch El (ft)            567.27    Shear (lb/sq ft)            0.40       0.80       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.68       2.13       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    44410.92    8295.78   52644.25
  C & E Loss (ft)             0.00    Cum SA (acres)            299.95      32.48     339.32


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274421.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  206.23  790.71  670.97  771.91 1413.59  760.43 1600.45  751.22
 1898.89  744.67 2073.91  741.55 2439.89  741.55 2789.26  739.26 3727.61  727.36
 3802.65  723.18 3898.02  718.45 3909.84  718.21 4120.56  715.42 4308.54  711.55
 4457.95  707.48 4618.36  702.62 5010.49  692.99 5488.39  687.46 5844.05  684.41
  5997.1  682.89 6163.63  674.21 6235.28  665.67 6614.81  665.15 6980.46  670.67
 7127.97   673.1  7358.4   656.2 7532.68  647.75 7607.23   639.3 7658.54   639.3
 7816.02   645.2 8043.79  655.28 8109.73   657.1 8245.28  664.22 8625.79  668.94
 8675.94  674.45 8837.83  691.21 9144.75  686.29  9159.5  684.78 9340.33  668.91
 9485.56  668.72 9751.82  685.26 9934.81  685.0210126.51  667.8610321.49  663.07
10472.52  656.4710490.56  656.0510584.48  639.1510760.69   613.810820.72   613.8
10864.72  621.5110997.49  649.4111110.22  669.1511516.36  661.9611682.01  657.48
11740.48  654.8911963.37  650.9512227.68  649.37 12542.2   643.813207.36  635.35
14739.24  635.3514991.37   633.8 15639.5   633.816138.13  642.2516201.07   650.7
16509.02  644.6116516.33  642.9116628.05  640.5817318.38  606.0117906.09   596.9
18026.82  588.1818451.95  587.2418561.63  578.5518734.23  567.2719275.26  567.27
19442.51  570.6519602.87   596.919686.72  608.5119704.68  610.4619930.07  619.17
20346.11  625.4320757.64  624.7622754.04  617.7522862.98  617.7523079.96  618.99
23410.81  619.3324343.37  624.6524586.71   633.126170.95  641.5526532.46  645.56
26932.52  650.5127547.48  668.1827759.24  668.4528812.85  668.4529413.48   666.9
29672.36   666.930215.04  658.4530439.75  653.5430601.93  650.2530734.29     642
30874.79  642.2131152.75  651.09 31456.9  653.6532495.02  665.4533122.99  669.78
34038.07  686.9434172.96  687.8734756.27  682.5934789.09  682.8236295.68   705.6
37282.01   711.137468.68  716.8637801.36  730.6837840.55  731.9538130.38  739.73
38443.91  751.3838593.38   756.239325.43     79039983.31  795.6240315.07     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517906.09     .1519602.87     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17906.0919602.87                5       5       5             .1       .3
```

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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506353.00   309170.90   1891868.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1506353.00   309170.90   1891868.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2537565.00   824437.60   3367997.00
  Top Width (ft)          37241.20    Top Width (ft)          16477.89    1696.78   19066.53
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.68       2.67       1.78
  Max Chl Dpth (ft)         192.44    Hydr. Depth (ft)           91.42     182.21      99.22
  Conv. Total (cfs)       802534700.0    Conv. (cfs)            302597900.0   98312000.0   401624700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16495.80    1699.98   19070.05
  Min Ch El (ft)            567.27    Shear (lb/sq ft)            0.40       0.80       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.68       2.13       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    44238.01    8260.31   52427.11
  C & E Loss (ft)             0.00    Cum SA (acres)            298.06      32.29     337.14


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274418.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  206.27   790.7  671.11   771.9 1413.89  760.43 1600.79  751.21
 1899.29  744.67 2074.35  741.54 2440.41  741.54 2789.85  739.24  3728.4  727.38
 3803.46  723.19 3898.84  718.46 3910.67  718.22 4121.43  715.41 4309.45  711.54
 4458.89  707.46 4619.34   702.6 5011.55  692.97 5489.55  687.44 5845.29  684.39
 5998.37  682.87 6164.93  674.19  6236.6  665.63 6616.22  665.12 6981.94  670.65
 7129.48  673.08 7359.96  656.16 7534.27   647.7 7608.84  639.24 7660.17  639.24
 7817.68  645.15  8045.5  655.23 8111.45  657.06 8247.03   664.2 8627.61  668.95
 8677.78  674.46  8839.7  691.26 9146.69  686.37 9161.44  684.86 9342.31  668.98
 9487.57  668.79 9753.88  685.35 9936.91  685.1110128.66  667.9410323.67  663.15
10474.74  656.5610492.78  656.1410586.72  639.2210762.97  613.8410823.01  613.84
10867.02  621.5610999.82  649.4511112.57  669.22 11518.8  662.0211684.49  657.55
11742.96  654.9711965.91  651.0212230.27  649.4112544.86  643.8413210.16  635.38
14742.36  635.3814994.54  633.8415642.82  633.8416141.55   642.3 16204.5  650.76
16512.52  644.6616519.82  642.9716631.57  640.6417322.05  606.0317909.88  596.92
18030.75   588.218456.36  587.2618566.17  578.5618738.96  567.2719280.23  567.27
19447.66  570.6519608.18  596.9219692.02  608.5119709.98  610.4519935.35  619.13
20351.35  625.3920762.83  624.7122758.99   617.722867.92   617.723084.88  618.94
23415.69  619.2924348.14  624.6224591.45  633.0826175.51  641.5426536.97  645.56
   26937   650.527551.89  668.1927763.62  668.4628817.11  668.4629417.67  666.92
29676.52  666.9230219.13  658.4630443.82  653.5530605.98  650.2530738.33  641.99
30878.82   642.231156.74  651.0831460.86  653.6432498.86  665.4233126.75  669.76
34041.73  686.85 34176.6  687.7834759.85  682.5734792.66   682.836299.07  705.51
37285.29  711.0337471.95   716.837804.58  730.6137843.77  731.8838133.57  739.69
38447.06  751.3438596.52  756.1639328.48     79039986.29  795.6240318.01     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517909.88     .1519608.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17909.8819608.18                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506345.00   309428.30   1892218.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1506345.00   309428.30   1892218.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2536627.00   824908.70   3368465.00
  Top Width (ft)          37244.80    Top Width (ft)          16481.39    1698.30   19065.12
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.68       2.67       1.78
  Max Chl Dpth (ft)         192.44    Hydr. Depth (ft)           91.40     182.20      99.25
  Conv. Total (cfs)       802710800.0    Conv. (cfs)            302552400.0   98389770.0   401768600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16499.32    1701.50   19068.64
  Min Ch El (ft)            567.27    Shear (lb/sq ft)            0.40       0.80       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.67       2.13       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    44065.11    8224.81   52209.93
  C & E Loss (ft)             0.00    Cum SA (acres)            296.17      32.09     334.95


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274415.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  206.32   790.7  671.25  771.89 1414.19  760.43 1601.13   751.2
 1899.69  744.66 2074.79  741.53 2440.92  741.53 2790.44  739.23 3729.19  727.39
 3804.26  723.21 3899.67  718.47 3911.49  718.23  4122.3  715.41 4310.36  711.53
 4459.83  707.45 4620.32  702.58 5012.61  692.95 5490.71  687.43 5846.53  684.37
 5999.64  682.85 6166.24  674.16 6237.92  665.59 6617.62  665.08 6983.42  670.63
 7130.99  673.06 7361.52  656.12 7535.87  647.65 7610.45  639.18 7661.79  639.18
 7819.33  645.09  8047.2  655.17 8113.17  657.01 8248.77  664.17 8629.44  668.96
 8679.62  674.48 8841.57  691.32 9148.62  686.46 9163.38  684.95 9344.28  669.05
 9489.58  668.86 9755.95  685.45 9939.02  685.21 10130.8  668.0210325.86  663.22
10476.96  656.65   10495  656.2310588.96  639.2910765.25  613.88 10825.3  613.88
10869.33   621.611002.15   649.511114.92  669.2911521.24  662.0811686.96  657.61
11745.45  655.0511968.44  651.0912232.87  649.4612547.51  643.8813212.96  635.41
14745.48  635.4114997.72  633.8815646.13  633.8816144.97  642.3516207.93  650.82
16516.01  644.7116523.32  643.0416635.09   640.717325.72  606.0617913.67  596.94
18034.68  588.2118460.77  587.2818570.71  578.57 18743.7  567.2719285.21  567.27
19452.81  570.65 19613.5  596.9419697.33  608.5119715.29  610.4519940.63   619.1
20356.58  625.3620768.01  624.6722763.95  617.6522872.86  617.65 23089.8  618.89
23420.57  619.2524352.91  624.5924596.19  633.0626180.07  641.5326541.49  645.55
26941.47   650.527556.29  668.2127767.99  668.4728821.36  668.4729421.86  666.94
29680.68  666.9430223.23  658.4730447.89  653.5530610.04  650.2430742.37  641.97
30882.84  642.1831160.73  651.0731464.81  653.6332502.69  665.3933130.52  669.73
34045.38  686.7734180.24   687.734763.42  682.5534796.23  682.7836302.47  705.42
37288.57  710.9537475.21  716.74 37807.8  730.5437846.98  731.8138136.75  739.64
38450.21  751.2938599.65  756.1239331.53     79039989.26  795.6340320.95     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517913.67     .15 19613.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17913.67 19613.5                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506324.00   309690.30   1892558.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1506324.00   309690.30   1892558.00
  Q Total (cfs)           6730000.00    Flow (cfs)            2535670.00   825402.60   3368928.00
  Top Width (ft)          37248.39    Top Width (ft)          16484.88    1699.83   19063.68
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.68       2.67       1.78
  Max Chl Dpth (ft)         192.44    Hydr. Depth (ft)           91.38     182.19      99.28
  Conv. Total (cfs)       802881100.0    Conv. (cfs)            302502400.0   98469550.0   401909100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16502.84    1703.03   19067.21
  Min Ch El (ft)            567.27    Shear (lb/sq ft)            0.40       0.80       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.67       2.13       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    43892.20    8189.27   51992.72
  C & E Loss (ft)             0.00    Cum SA (acres)            294.27      31.90     332.76


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274412.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  206.36  790.69   671.4  771.87 1414.49  760.42 1601.47  751.19
  1900.1  744.65 2075.22  741.52 2441.44  741.52 2791.03  739.22 3729.98  727.41
 3805.07  723.23 3900.49  718.48 3912.32  718.24 4123.17   715.4 4311.27  711.52
 4460.78  707.43  4621.3  702.57 5013.67  692.93 5491.88  687.41 5847.76  684.36
 6000.91  682.84 6167.54  674.13 6239.24  665.56 6619.02  665.05  6984.9   670.6
  7132.5  673.04 7363.08  656.08 7537.46   647.6 7612.06  639.12 7663.41  639.12
 7820.99  645.04  8048.9  655.12 8114.88  656.97 8250.52  664.14 8631.27  668.96
 8681.46   674.5 8843.44  691.38 9150.56  686.55 9165.32  685.04 9346.26  669.12
 9491.59  668.93 9758.01  685.55 9941.12  685.3110132.95   668.110328.04   663.3
10479.18  656.7410497.23  656.32 10591.2  639.3610767.53  613.92 10827.6  613.92
10871.63  621.6511004.47  649.5511117.28  669.3611523.68  662.1411689.44  657.68
11747.94  655.1211970.98  651.1612235.46  649.5112550.17  643.9213215.75  635.44
 14748.6  635.4415000.89  633.9215649.44  633.9216148.39   642.416211.36  650.88
16519.51  644.7616526.82   643.116638.61  640.7617329.39  606.0817917.46  596.96
18038.61  588.2218465.19   587.318575.24  578.5818748.43  567.2719290.19  567.27
19457.96  570.6419618.82  596.9619702.64   608.5 19720.6  610.4519945.91  619.06
20361.81  625.32 20773.2  624.63 22768.9   617.6 22877.8   617.623094.71  618.84
23425.45  619.2224357.68  624.5624600.94  633.0426184.63  641.5226546.02  645.55
26945.94   650.527560.69  668.2227772.37  668.4828825.62  668.4829426.05  666.96
29684.84  666.9630227.32  658.4830451.96  653.5530614.09  650.24 30746.4  641.96
30886.86  642.1731164.72  651.0731468.76  653.6232506.52  665.3733134.28  669.71
34049.04  686.6834183.88  687.61   34767  682.53 34799.8  682.7536305.87  705.34
37291.86  710.8837478.47  716.6837811.03  730.4737850.21  731.7438139.94  739.59
38453.36  751.2538602.79  756.0839334.58     79039992.23  795.6440323.88     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517917.46     .1519618.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17917.4619618.82                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506299.00   309953.80   1892872.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1506299.00   309953.80   1892872.00
  Q Total (cfs)           6730000.00    Flow (cfs)            2534719.00   825915.30   3369366.00
  Top Width (ft)          37252.18    Top Width (ft)          16488.56    1701.36   19062.26
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.68       2.66       1.78
  Max Chl Dpth (ft)         192.44    Hydr. Depth (ft)           91.35     182.18      99.30
  Conv. Total (cfs)       803039000.0    Conv. (cfs)            302448500.0   98550100.0   402040400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16506.56    1704.56   19065.78
  Min Ch El (ft)            567.27    Shear (lb/sq ft)            0.40       0.80       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.67       2.12       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    43719.30    8153.71   51775.46
  C & E Loss (ft)             0.00    Cum SA (acres)            292.38      31.70     330.57


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274409.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   206.4  790.69  671.54  771.86 1414.79  760.42 1601.81  751.19
  1900.5  744.65 2075.66  741.51 2441.96  741.51 2791.62  739.21 3730.77  727.43
 3805.87  723.24 3901.32  718.49 3913.15  718.25 4124.05   715.4 4312.19  711.51
 4461.72  707.42 4622.28  702.55 5014.73  692.91 5493.04   687.4    5849  684.34
 6002.18  682.82 6168.85  674.11 6240.56  665.52 6620.42  665.02 6986.38  670.58
 7134.01  673.02 7364.63  656.04 7539.06  647.55 7613.68  639.06 7665.03  639.06
 7822.65  644.99 8050.61  655.07  8116.6  656.92 8252.27  664.11  8633.1  668.97
 8683.29  674.51 8845.31  691.43  9152.5  686.64 9167.26  685.13 9348.24   669.2
  9493.6  669.01 9760.08  685.64 9943.23   685.410135.09  668.1710330.23  663.37
10481.39  656.8310499.45  656.4110593.45  639.4310769.81  613.9610829.89  613.96
10873.93   621.7 11006.8  649.5911119.63  669.4311526.12  662.2111691.91  657.75
11750.42   655.211973.51  651.2412238.04  649.5512552.83  643.9613218.55  635.47
14751.73  635.4715004.07  633.9615652.76  633.9616151.81  642.4516214.79  650.94
16523.01  644.8216530.32  643.1616642.14  640.8217333.05  606.1117921.26  596.98
18042.54  588.23 18469.6  587.3218579.78  578.5918753.17  567.2719295.17  567.27
19463.12  570.6419624.13  596.9819707.95   608.5 19725.9  610.4519951.19  619.02
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20367.04  625.2920778.38  624.5922773.86  617.5522882.75  617.5523099.63  618.79
23430.33  619.1824362.46  624.5324605.68  633.0226189.19  641.5126550.54  645.54
26950.42  650.49 27565.1  668.2327776.75  668.4928829.88  668.4929430.24  666.98
   29689  666.9830231.42  658.4930456.03  653.5630618.14  650.2430750.44  641.95
30890.88  642.1631168.71  651.0631472.72  653.6232510.36  665.3433138.04  669.69
 34052.7  686.5934187.52  687.5334770.57  682.5134803.37  682.7336309.27  705.25
37295.14  710.8137481.73  716.6137814.25   730.437853.43  731.6738143.12  739.54
38456.51   751.238605.92  756.0439337.63     79039995.21  795.6440326.82     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517921.26     .1519624.13     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17921.2619624.13                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506263.00   310212.70   1893207.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1506263.00   310212.70   1893207.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2533747.00   826408.40   3369844.00
  Top Width (ft)          37255.76    Top Width (ft)          16492.05    1702.87   19060.83
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.68       2.66       1.78
  Max Chl Dpth (ft)         192.44    Hydr. Depth (ft)           91.33     182.17      99.32
  Conv. Total (cfs)       803201500.0    Conv. (cfs)             302393700.0   98628900.0   402178900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16510.07    1706.08   19064.35
  Min Ch El (ft)            567.27    Shear (lb/sq ft)            0.40       0.80       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.67       2.12       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    43546.40    8118.12   51558.17
  C & E Loss (ft)             0.00    Cum SA (acres)            290.49      31.51     328.38


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274406.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  206.45  790.69  671.68  771.85 1415.08  760.42 1602.15  751.18
  1900.9  744.64  2076.1   741.5 2442.47   741.5 2792.22  739.19 3731.56  727.44
 3806.68  723.26 3902.14   718.5 3913.98  718.26 4124.92  715.39  4313.1   711.5
 4462.67   707.4 4623.26  702.53  5015.8  692.89  5494.2  687.38 5850.24  684.32
 6003.45   682.8 6170.16  674.08 6241.88  665.48 6621.82  664.98 6987.86  670.56
 7135.52     673 7366.19     656 7540.66   647.5 7615.29     639 7666.66     639
  7824.3  644.93 8052.31  655.02 8118.32  656.87 8254.01  664.09 8634.92  668.98
 8685.13  674.53 8847.19  691.49 9154.43  686.73  9169.2  685.22 9350.22  669.27
  9495.6  669.08 9762.14  685.74 9945.33  685.510137.24  668.2510332.42  663.45
10483.61  656.9210501.67   656.510595.69   639.510772.09    61410832.18     614
10876.23  621.7511009.13  649.6411121.98   669.511528.56  662.2711694.38  657.82
11752.91  655.2811976.04  651.3112240.64   649.612555.48    64413221.35   635.5
14754.85   635.515007.25    63415656.07    63416155.23   642.516218.23     651
 16526.5  644.8716533.82  643.2216645.66  640.8817336.72  606.1317925.05     597
18046.47  588.2418474.01  587.3318584.32   578.6 18757.9  567.2619300.15  567.26
19468.27  570.6319629.45    59719713.25   608.519731.21  610.4419956.46  618.99
20372.27  625.2520783.57  624.5522778.81   617.522887.69   617.523104.55  618.75
23435.21  619.1524367.23   624.524610.42    63326193.75   641.526555.05  645.53
26954.89  650.49 27569.5  668.2427781.13   668.528834.14   668.529434.42     667
29693.16     66730235.52   658.5 30460.1  653.5630622.19  650.2430754.47  641.93
 30894.9  642.1431172.69  651.0531476.67  653.6132514.19  665.31 33141.8  669.66
34056.36  686.5134191.16  687.4434774.14  682.4934806.94  682.7136312.66  705.16
37298.43  710.74   37485  716.5537817.48  730.3337856.64   731.638146.31  739.49
38459.66  751.1638609.05    75639340.68    79039998.18  795.6540329.75     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517925.05     .1519629.45     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17925.0519629.45                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506255.00   310485.50   1893542.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1506255.00   310485.50   1893542.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2532801.00   826941.50   3370258.00
  Top Width (ft)          37259.35    Top Width (ft)          16495.56    1704.40   19059.39
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.68       2.66       1.78
  Max Chl Dpth (ft)         192.45    Hydr. Depth (ft)           91.31     182.17      99.35
  Conv. Total (cfs)       803380100.0    Conv. (cfs)             302347900.0   98714460.0   402317700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16513.60    1707.61   19062.91
  Min Ch El (ft)            567.26    Shear (lb/sq ft)            0.40       0.80       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.67       2.12       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    43373.51    8082.50   51340.84
  C & E Loss (ft)             0.00    Cum SA (acres)            288.59      31.31     326.19


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274403.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  206.49  790.68  671.82  771.84 1415.38  760.41 1602.49  751.17
  1901.3  744.64 2076.54  741.49 2442.99  741.49 2792.81  739.18 3732.35  727.46
 3807.49  723.27 3902.97  718.51 3914.81  718.26 4125.79  715.39 4314.01  711.49
 4463.61  707.39 4624.23  702.52 5016.86  692.87 5495.37  687.37 5851.48   684.3
 6004.72  682.78 6171.46  674.05  6243.2  665.45 6623.22  664.95 6989.33  670.53
 7137.02  672.98 7367.75  655.96 7542.25  647.45  7616.9  638.94 7668.28  638.94
 7825.96  644.88 8054.02  654.96 8120.04  656.83 8255.76  664.06 8636.75  668.98
 8686.97  674.55 8849.06  691.55 9156.37  686.82 9171.14  685.31  9352.2  669.34
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 9497.61  669.15 9764.21  685.83 9947.43   685.610139.38  668.33 10334.6  663.52
10485.83  657.0110503.89  656.5910597.93  639.5710774.37  614.0410834.47  614.04
10878.53   621.811011.46  649.6911124.34  669.57   11531  662.3311696.86  657.89
 11755.4  655.3511978.58  651.3812243.23  649.6512558.14  644.0413224.15  635.53
14757.97  635.5315010.42  634.0415659.38  634.0416158.64  642.5516221.66  651.06
   16530  644.9216537.32  643.2916649.18  640.9417340.39  606.1617928.84  597.02
 18050.4  588.2518478.43  587.3518588.86  578.6118762.63  567.2619305.13  567.26
19473.42  570.6319634.77  597.0219718.56   608.519736.51  610.4419961.74  618.95
 20377.5  625.2220788.75  624.5122783.76  617.4522892.63  617.4523109.47   618.7
23440.09  619.11   24372  624.4724615.17  632.9826198.32  641.4926559.57  645.53
26959.37  650.49 27573.9  668.2527785.51  668.5128838.39  668.5129438.61  667.02
29697.31  667.0230239.61  658.5130464.17  653.5730626.24  650.2430758.51  641.92
30898.92  642.1331176.68  651.0431480.62   653.632518.03  665.2833145.57  669.64
34060.01  686.4234194.81  687.3634777.72  682.4734810.51  682.6936316.06  705.07
37301.71  710.6737488.26  716.49 37820.7  730.2637859.86  731.53 38149.5  739.45
38462.81  751.1138612.18  755.9639343.73     79040001.15  795.6640332.68     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517928.84     .1519634.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17928.8419634.77                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506224.00   310747.50   1893867.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1506224.00   310747.50   1893867.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2531831.00   827445.30   3370724.00
  Top Width (ft)          37263.12    Top Width (ft)          16499.24    1705.93   19057.95
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.68       2.66       1.78
  Max Chl Dpth (ft)         192.45    Hydr. Depth (ft)           91.29     182.16      99.37
  Conv. Total (cfs)       803539600.0    Conv. (cfs)             302292200.0   98794220.0   402453200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16517.31    1709.14   19061.46
  Min Ch El (ft)            567.26    Shear (lb/sq ft)            0.40       0.80       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.67       2.12       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    43200.62    8046.84   51123.48
  C & E Loss (ft)             0.00    Cum SA (acres)            286.70      31.12     324.01


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274400.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  206.53  790.68  671.96  771.83 1415.68  760.41 1602.83  751.16
 1901.71  744.63 2076.98  741.48 2443.51  741.48  2793.4  739.17 3733.14  727.48
 3808.29  723.29  3903.8  718.52 3915.64  718.27 4126.67  715.38 4314.93  711.48
 4464.56  707.37 4625.21   702.5 5017.92  692.85 5496.53  687.35 5852.72  684.28
 6005.99  682.76 6172.77  674.02 6244.52  665.41 6624.62  664.92 6990.81  670.51
 7138.54  672.96 7369.31  655.92 7543.85   647.4 7618.51  638.88  7669.9  638.88
 7827.61  644.83 8055.72  654.91 8121.76  656.78 8257.51  664.03 8638.58  668.99
 8688.81  674.57 8850.93   691.6 9158.31  686.91 9173.08   685.4 9354.18  669.41
 9499.62  669.22 9766.28  685.93 9949.54  685.6910141.53  668.4110336.79   663.6
10488.05   657.110506.12  656.6810600.17  639.6410776.65  614.0810836.77  614.08
10880.83  621.8511013.79  649.7311126.69  669.6411533.44  662.3911699.33  657.95
11757.89  655.4311981.11  651.4512245.82  649.69 12560.8  644.0813226.94  635.56
14761.09  635.56 15013.6  634.0815662.69  634.0816162.06   642.616225.09  651.12
 16533.5  644.9816540.82  643.35 16652.7     64117344.06  606.1917932.64  597.04
18054.33  588.2718482.84  587.3718593.39  578.6218767.37  567.2619310.11  567.26
19478.57  570.6319640.08  597.0419723.87   608.519741.82  610.4419967.02  618.91
20382.73  625.1820793.93  624.4622788.72   617.422897.57   617.423114.38  618.65
23444.97  619.0724376.77  624.4424619.91  632.9626202.88  641.48 26564.1  645.52
26963.84  650.4827578.31  668.2627789.89  668.5228842.65  668.52 29442.8  667.04
29701.47  667.0430243.71  658.5230468.24  653.5730630.29  650.2430762.55  641.91
30902.94  642.1131180.67  651.0431484.58  653.5932521.86  665.2533149.33  669.61
34063.67  686.3334198.45  687.2734781.29  682.4534814.08  682.6736319.46  704.98
   37305   710.637491.52  716.4237823.93  730.1937863.08  731.4638152.68   739.4
38465.96  751.0638615.32  755.9239346.78     79040004.12  795.6640335.62     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517932.64     .1519640.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17932.6419640.08                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506204.00   311003.10   1894236.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1506204.00   311003.10   1894236.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2530851.00   827908.20   3371241.00
  Top Width (ft)          37266.71    Top Width (ft)          16502.74    1707.44   19056.53
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.68       2.66       1.78
  Max Chl Dpth (ft)         192.45    Hydr. Depth (ft)           91.27     182.15      99.40
  Conv. Total (cfs)       803718000.0    Conv. (cfs)             302242300.0   98871430.0   402604300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16520.84    1710.65   19060.04
  Min Ch El (ft)            567.26    Shear (lb/sq ft)            0.40       0.80       0.44
  Alpha                       1.07    Stream Power (lb/ft s)      0.67       2.12       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    43027.73    8011.16   50906.07
  C & E Loss (ft)             0.00    Cum SA (acres)            284.81      30.92     321.82


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274397.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
```

```
       0     800  206.58  790.67  672.11  771.81 1415.98  760.41 1603.16  751.16
 1902.11  744.62 2077.42  741.47 2444.03  741.47 2793.99  739.16 3733.93   727.5
  3809.1   723.3 3904.62  718.53 3916.46  718.28 4127.54  715.38 4315.84  711.47
  4465.5  707.36 4626.19  702.48 5018.98  692.83 5497.69  687.34 5853.95  684.26
 6007.26  682.74 6174.07     674 6245.84  665.37 6626.02  664.88 6992.29  670.49
 7140.04  672.94 7370.87  655.88 7545.44  647.35 7620.12  638.82 7671.52  638.82
 7829.27  644.77 8057.42  654.86 8123.47  656.74 8259.25  664.01 8640.41     669
 8690.65  674.58  8852.8  691.66 9160.25  686.99 9175.02  685.48 9356.16  669.48
 9501.63   669.3 9768.34  686.02 9951.64  685.7910143.67  668.4910338.98  663.67
10490.27  657.1910508.34  656.7710602.41  639.7110778.93  614.1210839.06  614.12
10883.13   621.911016.12  649.7811129.04  669.7111535.88  662.4511701.81  658.02
11760.37  655.5111983.65  651.5212248.41  649.7412563.45  644.1213229.74  635.59
14764.21  635.5915016.77  634.1215666.01  634.1216165.48  642.6516228.52  651.18
16536.99  645.0316544.32  643.4116656.22  641.0617347.73  606.2117936.43  597.06
18058.26  588.2818487.25  587.3918597.93  578.63 18772.1  567.2619315.09  567.26
19483.72  570.62 19645.4  597.0619729.18  608.4919747.12  610.43 19972.3  618.88
20387.97  625.1520799.12  624.4222793.67  617.3522902.52  617.35 23119.3   618.6
23449.85  619.0424381.54  624.4124624.66  632.9426207.44  641.4726568.62  645.52
26968.31  650.4827582.71  668.2827794.27  668.5328846.91  668.5329446.99  667.06
29705.63  667.0630247.81  658.5330472.31  653.5830634.35  650.2330766.59   641.9
30906.96   642.131184.66  651.0331488.53  653.59 32525.7  665.2233153.09  669.59
34067.32  686.2534202.09  687.1934784.87  682.4234817.65  682.6536322.86   704.9
37308.28  710.5237494.78  716.3637827.15  730.12 37866.3   731.438155.87  739.35
38469.11  751.0238618.45  755.8839349.82     790 40007.1  795.6740338.55     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517936.43     .15 19645.4     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17936.43 19645.4                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506178.00   311266.70   1894534.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1506178.00   311266.70   1894534.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2529933.00   828422.90   3371644.00
  Top Width (ft)          37270.27    Top Width (ft)          16506.22    1708.97   19055.08
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.68       2.66       1.78
  Max Chl Dpth (ft)         192.45    Hydr. Depth (ft)           91.25     182.14      99.42
  Conv. Total (cfs)       803873100.0    Conv. (cfs)             302191000.0   98951980.0   402730100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16524.35    1712.19   19058.59
  Min Ch El (ft)            567.26    Shear (lb/sq ft)            0.40       0.80       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.67       2.12       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    42854.84    7975.45   50688.63
  C & E Loss (ft)             0.00    Cum SA (acres)            282.91      30.73     319.63


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274395.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  206.62  790.67  672.25   771.8 1416.28  760.41  1603.5  751.15
 1902.51  744.62 2077.86  741.46 2444.54  741.46 2794.58  739.14 3734.72  727.51
  3809.9  723.32 3905.45  718.54 3917.29  718.29 4128.41  715.37 4316.75  711.46
 4466.45  707.34 4627.17  702.47 5020.04  692.81 5498.85  687.32 5855.19  684.24
 6008.53  682.72 6175.38  673.97 6247.16  665.34 6627.42  664.85 6993.77  670.47
 7141.55  672.92 7372.43  655.84 7547.04   647.3 7621.73  638.76 7673.15  638.76
 7830.92  644.72 8059.13   654.8 8125.19  656.69    8261  663.98 8642.23     669
 8692.48   674.6 8854.67  691.72 9162.18  687.08 9176.96  685.57 9358.13  669.55
 9503.64  669.37 9770.41  686.12 9953.75  685.8910145.82  668.5710341.16  663.75
10492.49  657.2810510.56  656.8610604.66  639.7810781.21  614.1610841.35  614.16
10885.44  621.9511018.45  649.83 11131.4  669.7811538.32  662.5111704.28  658.09
11762.86  655.5811986.18   651.6   12251  649.7912566.11  644.1613232.54  635.62
14767.34  635.6215019.95  634.1615669.32  634.16 16168.9   642.716231.95  651.24
16540.49  645.0816547.81  643.4716659.75  641.12 17351.4  606.2417940.22  597.08
18062.19  588.2918491.67   587.418602.47  578.6418776.84  567.2619320.07  567.26
19488.87  570.6219650.72  597.0819734.48  608.4919752.43  610.4319977.58  618.84
 20393.2  625.11 20804.3  624.3822798.63   617.322907.46   617.323124.22  618.55
23454.72     61924386.31  624.38 24629.4  632.92   26212  641.4626573.13  645.51
26972.79  650.4827587.11  668.2927798.65  668.5428851.17  668.5429451.18  667.08
29709.79  667.08 30251.9  658.5430476.38  653.58 30638.4  650.2330770.62  641.88
30910.98  642.0831188.65  651.0231492.49  653.5832529.53  665.1933156.85  669.57
34070.98  686.1634205.73   687.134788.44   682.434821.22  682.6336326.25  704.81
37311.56  710.4537498.04   716.337830.37  730.0537869.52  731.3338159.06   739.3
38472.26  750.9738621.58  755.8439352.88     79040010.07  795.6840341.49     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517940.22     .1519650.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17940.2219650.72                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506155.00   311530.90   1894879.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1506155.00   311530.90   1894879.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2528966.00   828922.70   3372111.00
  Top Width (ft)          37273.85    Top Width (ft)          16509.72    1710.50   19053.63
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.68       2.66       1.78
  Max Chl Dpth (ft)         192.45    Hydr. Depth (ft)           91.23     182.13      99.45
  Conv. Total (cfs)       804046100.0    Conv. (cfs)             302140500.0   99032990.0   402872600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16527.87    1713.72   19057.14
  Min Ch El (ft)            567.26    Shear (lb/sq ft)            0.40       0.80       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.67       2.12       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    42681.96    7939.70   50471.14
  C & E Loss (ft)             0.00    Cum SA (acres)            281.02      30.53     317.45


CROSS SECTION
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RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274392.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  206.67  790.66  672.39  771.79 1416.58   760.4 1603.84  751.14
 1902.91  744.61  2078.3  741.45 2445.06  741.45 2795.17  739.13 3735.51  727.53
 3810.71  723.33 3906.27  718.55 3918.12   718.3 4129.28  715.37 4317.66  711.45
 4467.39  707.33 4628.15  702.45  5021.1  692.79 5500.02  687.31 5856.43  684.23
  6009.8   682.7 6176.68  673.94 6248.48   665.3 6628.83  664.82 6995.25  670.44
 7143.06   672.9 7373.99   655.8 7548.63  647.25 7623.34   638.7 7674.77   638.7
 7832.58  644.67 8060.83  654.75 8126.91  656.65 8262.75  663.95 8644.06  669.01
 8694.32  674.62 8856.55  691.77 9164.12  687.17  9178.9  685.66 9360.11  669.62
 9505.65  669.44 9772.47  686.21 9955.85  685.9810147.96  668.6410343.35  663.82
 10494.7  657.3710512.78  656.95 10606.9  639.8510783.49   614.210843.64   614.2
10887.74     62211020.78  649.8711133.75  669.8511540.76  662.5811706.76  658.16
11765.35  655.6611988.72  651.6712253.59  649.8312568.77   644.213235.34  635.65
14770.46  635.6515023.12   634.215672.63   634.216172.32  642.7516235.38   651.3
16543.99  645.1316551.31  643.5416663.27  641.1817355.07  606.2617944.02   597.1
18066.12   588.318496.08  587.4218607.01  578.6518781.57  567.2619325.04  567.26
19494.02  570.6119656.04   597.119739.79  608.4919757.73  610.4319982.86   618.8
20398.43  625.0820809.49  624.3422803.58  617.25 22912.4  617.2523129.13   618.5
 23459.6  618.9624391.09  624.3524634.14   632.926216.56  641.4526577.65  645.51
26977.26  650.4727591.52   668.327803.03  668.5528855.43  668.5529455.37   667.1
29713.95   667.1   30256  658.5530480.46  653.5830642.45  650.2330774.66  641.87
   30915  642.0731192.64  651.0231496.44  653.5732533.36  665.1633160.61  669.54
34074.64  686.0734209.37  687.0234792.02  682.3834824.79  682.6136329.65  704.72
37314.85  710.3837501.31  716.24 37833.6  729.9837872.74  731.2638162.24  739.26
38475.41  750.9338624.71   755.839355.92     79040013.05  795.6840344.43     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517944.02     .1519656.04     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17944.0219656.04                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506138.00   311792.50   1895213.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1506138.00   311792.50   1895213.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2528010.00   829418.90   3372571.00
  Top Width (ft)          37277.62    Top Width (ft)          16513.41    1712.02   19052.19
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.68       2.66       1.78
  Max Chl Dpth (ft)         192.45    Hydr. Depth (ft)           91.21     182.12      99.47
  Conv. Total (cfs)       804213700.0    Conv. (cfs)            302089200.0   99112940.0   403011600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16531.59    1715.24   19055.69
  Min Ch El (ft)            567.26    Shear (lb/sq ft)            0.40       0.79       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.67       2.11       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    42509.07    7903.93   50253.63
  C & E Loss (ft)             0.00    Cum SA (acres)            279.12      30.33     315.26


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274389.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  206.71  790.66  672.53  771.78 1416.88   760.4 1604.18  751.13
 1903.31   744.6 2078.74  741.44 2445.58  741.44 2795.76  739.12  3736.3  727.55
 3811.51  723.35  3907.1  718.56 3918.95  718.31 4130.16  715.36 4318.58  711.44
 4468.33  707.31 4629.13  702.43 5022.16  692.78 5501.18  687.29 5857.67  684.21
 6011.07  682.69 6177.99  673.92  6249.8  665.26 6630.23  664.78 6996.73  670.42
 7144.57  672.88 7375.55  655.76 7550.23   647.2 7624.96  638.64 7676.39  638.64
 7834.23  644.62 8062.53   654.7 8128.63   656.6 8264.49  663.92 8645.89  669.02
 8696.16  674.63 8858.42  691.83 9166.06  687.26 9180.84  685.75 9362.09   669.7
 9507.66  669.52 9774.54  686.31 9957.96  686.0810150.11  668.7210345.54   663.9
10496.92  657.46   10515  657.0410609.14  639.9210785.76  614.2410845.93  614.24
10890.04  622.0511023.11  649.92 11136.1  669.92 11543.2  662.6411709.23  658.23
11767.83  655.7411991.25  651.7412256.18  649.8812571.42  644.2413238.13  635.68
14773.58  635.68 15026.3  634.2415675.95  634.2416175.74   642.816238.82  651.36
16547.49  645.1916554.81   643.616666.79  641.2417358.73  606.2917947.81  597.12
18070.05  588.3118500.49  587.4418611.54  578.65 18786.3  567.2619330.02  567.26
19499.18  570.6119661.35  597.12 19745.1  608.4919763.04  610.4319988.14  618.77
20403.66  625.0420814.67   624.322808.54   617.222917.34   617.223134.05  618.45
23464.48  618.9324395.86  624.3224638.89  632.8826221.12  641.4426582.18   645.5
26981.74  650.4727595.92  668.3127807.41  668.5628859.68  668.5629459.56  667.12
29718.11  667.12 30260.1  658.5630484.53  653.59 30646.5  650.23 30778.7  641.86
30919.02  642.0631196.62  651.0131500.39  653.56 32537.2  665.1333164.38  669.52
 34078.3  685.9934213.01  686.9334795.59  682.3634828.36  682.5936333.05  704.63
37318.13  710.3137504.57  716.1737836.82  729.9137875.96  731.1938165.43  739.21
38478.56  750.8838627.85  755.7639358.97     79040016.02  795.6940347.36     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517947.81     .1519661.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17947.8119661.35                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506100.00   312054.00   1895542.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1506100.00   312054.00   1895542.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2527040.00   829921.00   3373040.00
  Top Width (ft)          37281.20    Top Width (ft)          16516.91    1713.54   19050.76
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.68       2.66       1.78
  Max Chl Dpth (ft)         192.45    Hydr. Depth (ft)           91.19     182.11      99.50
  Conv. Total (cfs)       804375200.0    Conv. (cfs)            302033900.0   99192850.0   403148500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16535.12    1716.76   19054.25
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  Min Ch El (ft)            567.26    Shear (lb/sq ft)            0.40       0.79       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.67       2.11       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    42336.20    7868.12   50036.07
  C & E Loss (ft)             0.00    Cum SA (acres)            277.23      30.14     313.07


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274386.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  206.75  790.65  672.68  771.76 1417.18   760.4 1604.52  751.12
 1903.72   744.6 2079.18  741.43 2446.09  741.43 2796.35   739.1 3737.09  727.56
 3812.32  723.37 3907.92  718.57 3919.78  718.32 4131.03  715.35 4319.49  711.43
 4469.28   707.3  4630.1  702.41 5023.23  692.76 5502.34  687.28 5858.91  684.19
 6012.34  682.67  6179.3  673.89 6251.13  665.23 6631.63  664.75 6998.21   670.4
 7146.08  672.86  7377.1  655.72 7551.83  647.15 7626.57  638.58 7678.01  638.58
 7835.89  644.56 8064.24  654.65 8130.35  656.55 8266.24   663.9 8647.71  669.02
    8698  674.65 8860.29  691.89 9167.99  687.35 9182.78  685.84 9364.07  669.77
 9509.67  669.59  9776.6   686.4 9960.06  686.1810152.25   668.810347.72  663.97
10499.14  657.5510517.23  657.1310611.38  639.9910788.04  614.2810848.23  614.28
10892.34   622.111025.44  649.9711138.46  669.9911545.64   662.711711.71  658.29
11770.32  655.8111993.78  651.8112258.77  649.9312574.08  644.2813240.93  635.71
 14776.7  635.7115029.47  634.2815679.26  634.2816179.15  642.8516242.25  651.42
16550.98  645.2416558.31  643.6616670.31  641.31 17362.4  606.31 17951.6  597.14
18073.98  588.3218504.91  587.4618616.08  578.6618791.04  567.26   19335  567.26
19504.33   570.619666.67  597.1419750.41  608.4919768.34  610.4219993.42  618.73
20408.89  625.0120819.86  624.2622813.49  617.1522922.28  617.1523138.97  618.41
23469.36  618.8924400.63  624.2924643.63  632.8626225.69  641.43 26586.7   645.5
26986.21  650.4727600.32  668.3227811.79  668.5728863.94  668.5729463.75  667.14
29722.27  667.1430264.19  658.57 30488.6  653.5930650.56  650.2330782.73  641.84
30923.04  642.0431200.62     65131504.35  653.5632541.03   665.133168.14  669.49
34081.95   685.934216.66  686.8434799.16  682.3434831.93  682.5736336.44  704.54
37321.41  710.2437507.83  716.1137840.05  729.8437879.18  731.1238168.62  739.16
38481.71  750.8438630.98  755.7239362.02     79040018.99   795.7 40350.3     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 17951.6     .1519666.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       17951.619666.67                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506082.00   312317.40   1895876.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1506082.00   312317.40   1895876.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2526095.00   830418.40   3373487.00
  Top Width (ft)          37284.77    Top Width (ft)          16520.40    1715.07   19049.30
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.68       2.66       1.78
  Max Chl Dpth (ft)         192.45    Hydr. Depth (ft)           91.16     182.10      99.52
  Conv. Total (cfs)       804545300.0    Conv. (cfs)             301984800.0   99273280.0   403287200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16538.63    1718.30   19052.80
  Min Ch El (ft)            567.26    Shear (lb/sq ft)            0.40       0.79       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.67       2.11       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    42163.32    7832.29   49818.47
  C & E Loss (ft)             0.00    Cum SA (acres)            275.33      29.94     310.88


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274383.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   206.8  790.65  672.82  771.75 1417.48  760.39 1604.86  751.12
 1904.12  744.59 2079.62  741.42 2446.61  741.42 2796.94  739.09 3737.88  727.58
 3813.12  723.38 3908.75  718.58  3920.6  718.33  4131.9  715.35  4320.4  711.42
 4470.22  707.28 4631.08   702.4 5024.29  692.74  5503.5  687.26 5860.14  684.17
 6013.61  682.65  6180.6  673.86 6252.45  665.19 6633.03  664.72 6999.68  670.37
 7147.59  672.84 7378.66  655.68 7553.42   647.1 7628.18  638.52 7679.63  638.52
 7837.55  644.51 8065.94  654.59 8132.06  656.51 8267.99  663.87 8649.54  669.03
 8699.83  674.67 8862.16  691.94 9169.93  687.44 9184.72  685.93 9366.05  669.84
 9511.68  669.66 9778.67   686.5 9962.17  686.27 10154.4  668.8810349.91  664.04
10501.36  657.6510519.45  657.2210613.62  640.0610790.32  614.3210850.52  614.32
10894.64  622.1411027.77  650.0111140.81  670.0611548.08  662.7611714.18  658.36
11772.81  655.8911996.32  651.8812261.36  649.9712576.74  644.3213243.73  635.74
14779.83  635.7415032.65  634.3215682.57  634.3216182.57   642.916245.68  651.48
16554.48  645.2916561.81  643.7216673.84  641.3717366.07  606.3417955.39  597.16
18077.91  588.3418509.32  587.4818620.62  578.6718795.77  567.2619339.98  567.26
19509.48   570.619671.99  597.1619755.71  608.4919773.65  610.42 19998.7  618.69
20414.12  624.9720825.04  624.2122818.45   617.122927.23   617.123143.89  618.36
23474.24  618.86 24405.4  624.2624648.38  632.8426230.25  641.4226591.21  645.49
26990.68  650.4627604.73  668.3327816.16  668.58 28868.2  668.5829467.93  667.16
29726.43  667.1630268.29  658.5830492.67   653.630654.61  650.2330786.77  641.83
30927.06  642.03 31204.6     651 31508.3  653.5532544.87  665.07 33171.9  669.47
34085.61  685.81 34220.3  686.7634802.74  682.32 34835.5  682.5536339.84  704.46
 37324.7  710.1737511.09  716.0537843.27  729.77 37882.4  731.05 38171.8  739.11
38484.86  750.7938634.11  755.6839365.07     79040021.96   795.740353.23     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517955.39     .1519671.99     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17955.3919671.99                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)             5.00       5.00       5.00
```

```
  Crit W.S. (ft)                      Flow Area (sq ft)       1506059.00   312576.20   1896206.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1506059.00   312576.20   1896206.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2525143.00   830903.60   3373954.00
  Top Width (ft)          37288.52    Top Width (ft)          16524.07    1716.60   19047.85
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.68       2.66       1.78
  Max Chl Dpth (ft)         192.45    Hydr. Depth (ft)           91.14     182.09      99.55
  Conv. Total (cfs)       804708400.0    Conv. (cfs)             301932200.0   99351420.0   403424800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16542.33    1719.83   19051.34
  Min Ch El (ft)            567.26    Shear (lb/sq ft)            0.40       0.79       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.67       2.11       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    41990.45    7796.43   49600.83
  C & E Loss (ft)             0.00    Cum SA (acres)            273.43      29.74     308.70


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274380.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  206.84  790.64  672.96  771.74 1417.78  760.39  1605.2  751.11
 1904.52  744.59 2080.06  741.41 2447.13  741.41 2797.53  739.08 3738.67   727.6
 3813.93   723.4 3909.58  718.59 3921.43  718.34 4132.78  715.34 4321.31  711.41
 4471.17  707.27 4632.06  702.38 5025.35  692.72 5504.67  687.25 5861.38  684.15
 6014.88  682.63 6181.91  673.83 6253.77  665.15 6634.43  664.68 7001.16  670.35
  7149.1  672.82 7380.22  655.64 7555.02  647.05 7629.79  638.46 7681.26  638.46
  7839.2  644.46 8067.65  654.54 8133.78  656.46 8269.73  663.84 8651.37  669.04
 8701.67  674.69 8864.04     692 9171.87  687.53 9186.66  686.01 9368.03  669.91
 9513.69  669.73 9780.74  686.59 9964.27  686.3710156.54  668.96 10352.1  664.12
10503.58  657.7410521.67  657.3110615.87  640.13 10792.6  614.3610852.81  614.36
10896.94  622.19 11030.1  650.0611143.16  670.1311550.51  662.8211716.66  658.43
11775.29  655.9711998.85  651.9612263.95  650.0212579.39  644.3613246.53  635.77
14782.95  635.7715035.83  634.3615685.88  634.3616185.99  642.9516249.11  651.54
16557.98  645.3416565.31  643.7916677.36  641.4317369.74  606.3717959.19  597.18
18081.84  588.3518513.73  587.4918625.16  578.6818800.51  567.2619344.96  567.26
19514.63   570.6 19677.3  597.1819761.02  608.4819778.95  610.4220003.98  618.66
20419.36  624.9420830.22  624.17 22823.4  617.0522932.17  617.05 23148.8  618.31
23479.12  618.8224410.17  624.2324653.12  632.8226234.81  641.4126595.74  645.49
26995.16  650.4627609.13  668.3527820.54  668.5928872.46  668.5929472.12  667.18
29730.59  667.1830272.39  658.5930496.74   653.630658.66  650.2230790.81  641.82
30931.08  642.0131208.59  650.9931512.25  653.54 32548.7  665.0533175.66  669.45
34089.27  685.7334223.94  686.6734806.31   682.334839.07  682.5336343.24  704.37
37327.98  710.0937514.36  715.9837846.49   729.737885.62  730.9838174.99  739.07
38488.02  750.7438637.25  755.6439368.12     79040024.94  795.7140356.16     800

Manning's n Values        num=       3
     Sta   n Val      Sta   n Val      Sta   n Val
       0     .1517959.19     .15 19677.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17959.19 19677.3                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506026.00   312837.30   1896529.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1506026.00   312837.30   1896529.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2524187.00   831406.60   3374407.00
  Top Width (ft)          37292.09    Top Width (ft)          16527.57    1718.11   19046.41
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.68       2.66       1.78
  Max Chl Dpth (ft)         192.44    Hydr. Depth (ft)           91.12     182.08      99.57
  Conv. Total (cfs)       804869600.0    Conv. (cfs)             301878300.0   99431500.0   403559800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16545.86    1721.34   19049.91
  Min Ch El (ft)            567.26    Shear (lb/sq ft)            0.40       0.79       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.67       2.11       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    41817.57    7760.53   49383.16
  C & E Loss (ft)             0.00    Cum SA (acres)            271.54      29.55     306.51


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274377.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  206.88  790.64   673.1  771.73 1418.08  760.39 1605.54   751.1
 1904.92  744.58  2080.5   741.4 2447.64   741.4 2798.12  739.07 3739.45  727.61
 3814.74  723.41  3910.4   718.6 3922.26  718.35 4133.65  715.34 4322.23   711.4
 4472.11  707.25 4633.04  702.36 5026.41   692.7 5505.83  687.23 5862.62  684.13
 6016.15  682.61 6183.21  673.81 6255.09  665.12 6635.83  664.65 7002.64  670.33
 7150.61   672.8 7381.78   655.6 7556.61     647  7631.4   638.4 7682.88   638.4
 7840.86   644.4 8069.35  654.49  8135.5  656.42 8271.48  663.82  8653.2  669.04
 8703.51   674.7 8865.91  692.06  9173.8  687.61  9188.6   686.1    9370  669.98
  9515.7  669.81  9782.8  686.69 9966.38  686.4710158.69  669.0310354.28  664.19
 10505.8  657.8310523.89   657.410618.11   640.210794.88   614.4 10855.1   614.4
10899.24  622.2411032.43  650.1111145.52   670.211552.95  662.8811719.13   658.5
11777.78  656.0412001.39  652.0312266.54  650.0712582.05   644.413249.32   635.8
14786.07   635.8   15039   634.4 15689.2   634.416189.41     64316252.54   651.6
16561.47   645.416568.81  643.8516680.88  641.4917373.41  606.3917962.98   597.2
18085.77  588.3618518.14  587.51 18629.7  578.6918805.24  567.2519349.94  567.25
19519.78  570.5919682.62   597.219766.33  608.4819784.26  610.4120009.26  618.62
20424.59   624.920835.41  624.1322828.36     61722937.11     61723153.72  618.26
   23484  618.7824414.95   624.224657.86   632.826239.37   641.426600.26  645.48
26999.63  650.4627613.53  668.3627824.92   668.628876.71   668.629476.31   667.2
29734.75   667.230276.48   658.630500.81  653.6130662.71  650.2230794.84  641.81
30935.11     64231212.58  650.9831516.21  653.5332552.54  665.0233179.43  669.42
34092.92  685.6434227.58  686.5934809.89  682.2834842.64  682.5136346.64  704.28
37331.27  710.0237517.62  715.9237849.72  729.6337888.84  730.9138178.18  739.02
38491.16   750.738640.38   755.639371.17     79040027.91  795.72 40359.1     800

Manning's n Values        num=       3
     Sta   n Val      Sta   n Val      Sta   n Val
       0     .1517962.98     .1519682.62     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17962.9819682.62                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1506008.00   313107.30   1896871.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1506008.00   313107.30   1896871.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2523222.00   831926.10   3374852.00
  Top Width (ft)          37295.66    Top Width (ft)          16531.07    1719.64   19044.96
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.68       2.66       1.78
  Max Chl Dpth (ft)         192.45    Hydr. Depth (ft)           91.10     182.08      99.60
  Conv. Total (cfs)       805046500.0    Conv. (cfs)             301829200.0   99515490.0   403701800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16549.38    1722.87   19048.45
  Min Ch El (ft)            567.25    Shear (lb/sq ft)            0.40       0.79       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.67       2.11       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    41644.71    7724.61   49165.45
  C & E Loss (ft)             0.00    Cum SA (acres)            269.64      29.35     304.33


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274374.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  206.93  790.64  673.24  771.71 1418.38  760.39 1605.88  751.09
 1905.33  744.57 2080.94  741.39 2448.16  741.39 2798.72  739.05 3740.24  727.63
 3815.54  723.43 3911.23  718.61 3923.09  718.36 4134.52  715.33 4323.14  711.39
 4473.06  707.24 4634.02  702.35 5027.47  692.68 5506.99  687.22 5863.86  684.12
 6017.42  682.59 6184.52  673.78 6256.41  665.08 6637.23  664.62 7004.12  670.31
 7152.12  672.78 7383.34  655.56 7558.21  646.95 7633.01  638.34  7684.5  638.34
 7842.51  644.35 8071.05  654.43 8137.22  656.37 8273.23  663.79 8655.02  669.05
 8705.35  674.72 8867.78  692.11 9175.74   687.7 9190.54  686.19 9371.98  670.05
 9517.71  669.88 9784.87  686.78 9968.48  686.5610160.83  669.1110356.47  664.27
10508.01  657.9210526.12  657.4910620.35  640.2710797.16  614.4410857.39  614.44
10901.54  622.2911034.76  650.1511147.87  670.2711555.39  662.9411721.61  658.57
11780.27  656.1212003.92   652.112269.13  650.1112584.71  644.4413252.12  635.83
14789.19  635.8315042.18  634.4415692.51  634.4416192.83  643.0516255.98  651.66
16564.97  645.45 16572.3  643.91 16684.4  641.5517377.08  606.4217966.77  597.22
 18089.7  588.3718522.56  587.5318634.23   578.718809.97  567.2519354.92  567.25
19524.93  570.5919687.94  597.2219771.63  608.4819789.56  610.4120014.54  618.59
20429.82  624.8720840.59  624.0922833.31  616.9522942.05  616.9523158.64  618.21
23488.88  618.7524419.72  624.1724662.61  632.7826243.93  641.3926604.78  645.48
27004.11  650.4527617.94  668.37 27829.3  668.6128880.97  668.61 29480.5  667.22
 29738.9  667.2230280.58  658.6130504.88  653.6130666.76  650.2230798.88  641.79
30939.13  641.9831216.57  650.9731520.16  653.5332556.37  664.9933183.19   669.4
34096.58  685.5634231.22   686.534813.46  682.2634846.21  682.4936350.03  704.19
37334.55  709.9537520.88  715.8637852.94  729.5637892.06  730.8538181.36  738.97
38494.32  750.6538643.51  755.5639374.21     79040030.88  795.7240362.04     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517966.77     .1519687.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17966.7719687.94                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505984.00   313369.00   1897190.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1505984.00   313369.00   1897190.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2522290.00   832423.70   3375287.00
  Top Width (ft)          37299.22    Top Width (ft)          16534.56    1721.17   19043.49
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.67       2.66       1.78
  Max Chl Dpth (ft)         192.45    Hydr. Depth (ft)           91.08     182.07      99.62
  Conv. Total (cfs)       805209200.0    Conv. (cfs)             301778700.0   99595120.0   403835400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16552.90    1724.40   19046.98
  Min Ch El (ft)            567.25    Shear (lb/sq ft)            0.40       0.79       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.66       2.11       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    41471.84    7688.65   48947.70
  C & E Loss (ft)             0.00    Cum SA (acres)            267.74      29.15     302.14


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274371.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  206.97  790.63  673.39   771.7 1418.68  760.38 1606.22  751.08
 1905.73  744.57 2081.38  741.38 2448.68  741.38 2799.31  739.04 3741.03  727.65
 3816.35  723.44 3912.05  718.62 3923.92  718.37 4135.39  715.33 4324.05  711.38
    4474  707.22    4635  702.33 5028.53  692.66 5508.15   687.2  5865.1   684.1
 6018.69  682.57 6185.82  673.75 6257.73  665.04 6638.63  664.58  7005.6  670.28
 7153.63  672.76  7384.9  655.52  7559.8   646.9 7634.62  638.28 7686.12  638.28
 7844.17   644.3 8072.76  654.38 8138.94  656.32 8274.97  663.76 8656.85  669.06
 8707.19  674.74 8869.65  692.17 9177.68  687.79 9192.48  686.28 9373.96  670.13
 9519.72  669.95 9786.93  686.88 9970.58  686.6610162.98  669.1910358.65  664.34
10510.23  658.0110528.34  657.5810622.59  640.3410799.44  614.4810859.69  614.48
10903.85  622.3411037.09   650.211150.22  670.3411557.83  663.0111724.08  658.63
11782.75   656.212006.46  652.1712271.72  650.1612587.36  644.4813254.92  635.86
14792.31  635.8615045.35  634.4815695.82  634.4816196.25   643.116259.41  651.72
16568.47   645.5 16575.8  643.9816687.93  641.6117380.75  606.4417970.57  597.24
18093.63  588.3818526.97  587.5518638.77  578.7118814.71  567.25 19359.9  567.25
19530.09  570.5819693.25  597.2419776.94  608.4819794.87  610.4120019.82  618.55
20435.05  624.8320845.78  624.0522838.27   616.922946.99   616.923163.55  618.16
23493.76  618.7124424.49  624.1424667.35  632.7626248.49  641.3826609.29  645.47
27008.58  650.4527622.34  668.3827833.68  668.6228885.23  668.6229484.69  667.24
29743.06  667.2430284.68  658.6230508.95  653.6130670.82  650.2230802.92  641.78
30943.15  641.9731220.56  650.9731524.12  653.5232560.21  664.9633186.95  669.37
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34100.24  685.4734234.86  686.4234817.04  682.2434849.79  682.4736353.43   704.1
37337.83  709.8837524.14   715.837856.16  729.4937895.28  730.7838184.55  738.92
38497.46  750.6138646.64  755.5239377.27     79040033.86  795.7340364.97     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517970.57     .1519693.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17970.5719693.25                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505963.00   313628.80   1897530.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1505963.00   313628.80   1897530.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2521325.00   832912.60   3375763.00
  Top Width (ft)          37302.98    Top Width (ft)          16538.25    1722.68   19042.04
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.67       2.66       1.78
  Max Chl Dpth (ft)         192.45    Hydr. Depth (ft)           91.06     182.06      99.65
  Conv. Total (cfs)       805377700.0    Conv. (cfs)             301726400.0   99674480.0   403976800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16556.63    1725.92   19045.53
  Min Ch El (ft)            567.25    Shear (lb/sq ft)            0.40       0.79       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.66       2.10       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    41298.98    7652.67   48729.91
  C & E Loss (ft)             0.00    Cum SA (acres)            265.84      28.95     299.95


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274368.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  207.02  790.63  673.53  771.69 1418.98  760.38 1606.55  751.08
 1906.13  744.56 2081.81  741.37 2449.19  741.37  2799.9  739.03 3741.82  727.67
 3817.15  723.46 3912.88  718.63 3924.75  718.38 4136.27  715.32 4324.96  711.37
 4474.94  707.21 4635.97  702.31 5029.59  692.64 5509.32  687.19 5866.33  684.08
 6019.96  682.56 6187.13  673.72 6259.05  665.01 6640.04  664.55 7007.08  670.26
 7155.14  672.74 7386.46  655.48  7561.4  646.85 7636.24  638.22 7687.75  638.22
 7845.82  644.24 8074.46  654.33 8140.65  656.28 8276.72  663.73 8658.68  669.06
 8709.02  674.75 8871.52  692.23 9179.62  687.88 9194.42  686.37 9375.94   670.2
 9521.73  670.03    9789  686.97 9972.69  686.7610165.12  669.2710360.84  664.42
10512.45   658.110530.56  657.6710624.83  640.4110801.72  614.5210861.98  614.52
10906.15  622.3911039.42  650.2511152.58  670.4111560.27  663.0711726.55   658.7
11785.24  656.2712008.99  652.2512274.31  650.2112590.02  644.5213257.72  635.89
14795.44  635.8915048.53  634.5215699.14  634.5216199.67  643.1516262.84  651.78
16571.96  645.56 16579.3  644.0416691.45  641.6717384.41  606.4717974.36  597.26
18097.56  588.3918531.38  587.5618643.31  578.7218819.44  567.2519364.88  567.25
19535.24  570.5819698.57  597.2619782.25  608.4819800.18   610.4 20025.1  618.51
20440.28   624.820850.96  624.0122843.22  616.8522951.94  616.8523168.47  618.11
23498.64  618.6724429.26  624.1124672.09  632.7426253.05  641.3726613.82  645.47
27013.05  650.4527626.74  668.3927838.06  668.6328889.49  668.6329488.88  667.26
29747.22  667.2630288.77  658.6330513.02  653.6230674.87  650.2230806.95  641.77
30947.17  641.9631224.55  650.9631528.07  653.5132564.04  664.9333190.71  669.35
34103.89  685.38 34238.5  686.3334820.61  682.2234853.36  682.4536356.83  704.02
37341.12  709.8137527.41  715.7337859.39  729.42 37898.5  730.7138187.73  738.88
38500.61  750.5638649.78  755.4839380.31     79040036.83  795.7440367.91     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517974.36     .1519698.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17974.3619698.57                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505922.00   313893.30   1897849.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1505922.00   313893.30   1897849.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2520358.00   833425.70   3376216.00
  Top Width (ft)          37306.53    Top Width (ft)          16541.73    1724.21   19040.59
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.67       2.66       1.78
  Max Chl Dpth (ft)         192.45    Hydr. Depth (ft)           91.04     182.05      99.67
  Conv. Total (cfs)       805536300.0    Conv. (cfs)             301670100.0   99755520.0   404110700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16560.13    1727.45   19044.07
  Min Ch El (ft)            567.25    Shear (lb/sq ft)            0.40       0.79       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.66       2.10       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    41126.12    7616.65   48512.09
  C & E Loss (ft)             0.00    Cum SA (acres)            263.95      28.76     297.77


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274365.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  207.06  790.62  673.67  771.68 1419.28  760.38 1606.89  751.07
 1906.53  744.55 2082.25  741.36 2449.71  741.36 2800.49  739.02 3742.61  727.68
 3817.96  723.48  3913.7  718.64 3925.57  718.39 4137.14  715.32 4325.88  711.36
 4475.89  707.19 4636.95   702.3 5030.66  692.62 5510.48  687.17 5867.57  684.06
 6021.23  682.54 6188.44   673.7 6260.37  664.97 6641.44  664.52 7008.56  670.24
 7156.65  672.72 7388.02  655.44 7562.99   646.8 7637.85  638.16 7689.37  638.16
 7847.48  644.19 8076.17  654.27 8142.37  656.23 8278.47  663.71  8660.5  669.07
 8710.86  674.77  8873.4  692.28 9181.55  687.97 9196.36  686.46 9377.92  670.27
 9523.74   670.1 9791.06  687.07 9974.79  686.8510167.27  669.3510363.03  664.49
10514.67  658.1910532.78  657.7610627.08  640.48   10804  614.5610864.27  614.56
10908.45  622.4411041.75  650.2911154.93  670.4811562.71  663.1311729.03  658.77
11787.73  656.3512011.52  652.32 12276.9  650.2512592.68  644.5613260.52  635.92
14798.56  635.92 15051.7  634.5615702.45  634.5616203.08   643.216266.27  651.84
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16575.46  645.61 16582.8   644.116694.97  641.7317388.08   606.517978.15  597.28
18101.49  588.41 18535.8  587.5818647.85  578.7318824.18  567.2519369.86  567.25
19540.39  570.5719703.89  597.2819787.56  608.4819805.48   610.420030.38  618.48
20445.51  624.7620856.14  623.9622848.17   616.822956.88   616.823173.39  618.07
23503.52  618.6424434.03  624.0824676.84  632.7226257.62  641.3626618.34  645.46
27017.53  650.4427631.15  668.4127842.44  668.6428893.75  668.6429493.07  667.28
29751.38  667.2830292.87  658.6430517.09  653.6230678.92  650.2230810.99  641.75
30951.19  641.9431228.54  650.9531532.02   653.532567.87   664.933194.47  669.33
34107.55   685.334242.14  686.2534824.19   682.234856.93  682.4336360.22  703.93
 37344.4  709.7437530.67  715.6737862.61  729.3537901.72  730.6438190.92  738.83
38503.77  750.5238652.91  755.4439383.36     790 40039.8  795.7440370.84     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517978.15     .1519703.89     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17978.1519703.89                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505899.00   314153.40   1898183.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1505899.00   314153.40   1898183.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2519413.00   833910.90   3376676.00
  Top Width (ft)          37310.09    Top Width (ft)          16545.23    1725.74   19039.12
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.67       2.65       1.78
  Max Chl Dpth (ft)         192.45    Hydr. Depth (ft)           91.02     182.04      99.70
  Conv. Total (cfs)       805703700.0    Conv. (cfs)            301619700.0   99834340.0   404249600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16563.65    1728.98   19042.61
  Min Ch El (ft)            567.25    Shear (lb/sq ft)            0.40       0.79       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.66       2.10       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    40953.27    7580.61   48294.23
  C & E Loss (ft)             0.00    Cum SA (acres)            262.05      28.56     295.58


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274362.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   207.1  790.62  673.81  771.66 1419.58  760.38 1607.23  751.06
 1906.94  744.55 2082.69  741.35 2450.23  741.35 2801.08     739  3743.4   727.7
 3818.76  723.49 3914.53  718.65  3926.4   718.4 4138.01  715.31 4326.79  711.35
 4476.83  707.18 4637.93  702.28 5031.72   692.6 5511.64  687.16 5868.81  684.04
  6022.5  682.52 6189.74  673.67 6261.69  664.94 6642.84  664.48 7010.04  670.21
 7158.16   672.7 7389.57   655.4 7564.59  646.75 7639.46   638.1 7690.99   638.1
 7849.14  644.14 8077.87  654.22 8144.09  656.19 8280.21  663.68 8662.33  669.08
  8712.7  674.79 8875.27  692.34 9183.49  688.06  9198.3  686.55  9379.9  670.34
 9525.74  670.17 9793.13  687.16  9976.9  686.9510169.42  669.4310365.21  664.57
10516.89  658.28   10535  657.8510629.32  640.5510806.28   614.610866.56   614.6
10910.75  622.4911044.08  650.3411157.28  670.5511565.15  663.19 11731.5  658.84
11790.22  656.4312014.06  652.3912279.49   650.312595.33   644.613263.31  635.95
14801.68  635.9515054.88   634.615705.76   634.6 16206.5  643.25 16269.7   651.9
16578.96  645.66 16586.3  644.1616698.49  641.7917391.75  606.5217981.95   597.3
18105.42  588.4218540.21   587.618652.39  578.7418828.91  567.2519374.84  567.25
19545.54  570.5719709.21   597.319792.86  608.4719810.79   610.420035.66  618.44
20450.74  624.7320861.33  623.9222853.13  616.7522961.82  616.7523178.31  618.02
23508.39   618.6 24438.8  624.0524681.58   632.726262.18  641.3526622.86  645.46
   27022  650.4427635.55  668.4227846.82  668.65   28898  668.6529497.26   667.3
29755.54   667.330296.96  658.6530521.16  653.6330682.97  650.2230815.03  641.74
30955.21  641.9331232.52  650.9531535.98   653.532571.71  664.8733198.23   669.3
34111.21  685.2134245.79  686.1634827.76  682.18 34860.5  682.4136363.62  703.84
37347.68  709.6637533.93  715.6137865.84  729.2837904.94  730.5738194.11  738.78
38506.91  750.4738656.04   755.439386.41     79040042.78  795.7540373.77     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517981.95     .1519709.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17981.9519709.21                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505880.00   314413.40   1898517.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1505880.00   314413.40   1898517.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2518473.00   834395.90   3377131.00
  Top Width (ft)          37313.64    Top Width (ft)          16548.73    1727.26   19037.65
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.67       2.65       1.78
  Max Chl Dpth (ft)         192.45    Hydr. Depth (ft)           91.00     182.03      99.72
  Conv. Total (cfs)       805873100.0    Conv. (cfs)            301570500.0   99913410.0   404389200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16567.18    1730.51   19041.13
  Min Ch El (ft)            567.25    Shear (lb/sq ft)            0.40       0.79       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.66       2.10       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    40780.41    7544.53   48076.32
  C & E Loss (ft)             0.00    Cum SA (acres)            260.15      28.36     293.40


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274360.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  207.15  790.61  673.95  771.65 1419.88  760.37 1607.57  751.05
 1907.34  744.54 2083.13  741.34 2450.74  741.34 2801.67  738.99 3744.19  727.72
 3819.57  723.51 3915.36  718.66 3927.23  718.41 4138.89  715.31  4327.7  711.34
 4477.78  707.16 4638.91  702.26 5032.78  692.58  5512.8  687.15 5870.05  684.02
 6023.77   682.5 6191.05  673.64 6263.01   664.9 6644.24  664.45 7011.51  670.19
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 7159.67  672.68 7391.13  655.36 7566.19   646.7 7641.07  638.04 7692.61  638.04
 7850.79  644.09 8079.57  654.17 8145.81  656.14 8281.96  663.65 8664.16  669.09
 8714.54  674.81 8877.14   692.4 9185.43  688.14 9200.24  686.63 9381.88  670.41
 9527.75  670.24  9795.2  687.26    9979  687.0510171.56   669.5 10367.4  664.64
10519.11  658.3710537.23  657.9410631.56  640.6210808.56  614.6410868.86  614.64
10913.05  622.5411046.41  650.3911159.64  670.6211567.59  663.2511733.98  658.91
 11792.7  656.5112016.59  652.4612282.08  650.3512597.99  644.6413266.11  635.98
 14804.8  635.9815058.05  634.6415709.07  634.6416209.92   643.316273.13  651.96
16582.46  645.71 16589.8  644.2316702.02  641.8517395.42  606.5517985.74  597.32
18109.36  588.4318544.62  587.6218656.92  578.7518833.64  567.2519379.81  567.25
19550.69  570.5719714.52  597.3219798.17  608.4719816.09   610.420040.94   618.4
20455.98  624.6920866.51  623.8822858.08   616.722966.76   616.723183.22  617.97
23513.27  618.5624443.58  624.0224686.33  632.6826266.74  641.3426627.38  645.45
27026.48  650.4427639.95  668.43 27851.2  668.6628902.26  668.6629501.44  667.32
 29759.7  667.3230301.06  658.6630525.23  653.6330687.02  650.2130819.06  641.73
30959.23  641.9131236.51  650.9431539.93  653.4932575.54  664.84   33202  669.28
34114.86  685.1234249.43  686.0834831.34  682.1634864.07  682.3936367.02  703.75
37350.97  709.5937537.19  715.5437869.06  729.2137908.16   730.538197.29  738.73
38510.07  750.4238659.18  755.3639389.46     79040045.75  795.7640376.71     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517985.74     .1519714.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17985.7419714.52                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505849.00   314672.70   1898862.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1505849.00   314672.70   1898862.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2517490.00   834881.90   3377628.00
  Top Width (ft)          37317.39    Top Width (ft)          16552.41    1728.78   19036.20
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.67       2.65       1.78
  Max Chl Dpth (ft)         192.45    Hydr. Depth (ft)           90.97     182.02      99.75
  Conv. Total (cfs)       806039500.0    Conv. (cfs)            301515100.0   99992240.0   404532200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16570.89    1732.02   19039.69
  Min Ch El (ft)            567.25    Shear (lb/sq ft)            0.40       0.79       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.66       2.10       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    40607.57    7508.43   47858.38
  C & E Loss (ft)             0.00    Cum SA (acres)            258.25      28.16     291.21


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274357.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  207.19  790.61   674.1  771.64 1420.17  760.37 1607.91  751.05
 1907.74  744.53 2083.57  741.33 2451.26  741.33 2802.26  738.98 3744.98  727.73
 3820.37  723.52 3916.18  718.67 3928.06  718.42 4139.76   715.3 4328.62  711.33
 4478.72  707.15 4639.89  702.25 5033.84  692.56 5513.97  687.13 5871.29     684
 6025.04  682.48 6192.35  673.62 6264.33  664.86 6645.64  664.42 7012.99  670.17
 7161.18  672.66 7392.69  655.32 7567.78  646.65 7642.68  637.98 7694.24  637.98
 7852.45  644.03 8081.28  654.12 8147.52   656.1 8283.71  663.62 8665.99  669.09
 8716.38  674.82 8879.01  692.45 9187.36  688.23 9202.18  686.72 9383.85  670.48
 9529.76  670.32 9797.26  687.35 9981.11  687.1410173.71  669.5810369.59  664.72
10521.32  658.4610539.45  658.03 10633.8  640.6910810.84  614.6810871.15  614.68
10915.35  622.5911048.74  650.4311161.99  670.6911570.03  663.3111736.45  658.97
11795.19  656.5812019.13  652.5312284.67  650.3912600.65  644.6813268.91  636.01
14807.93  636.0115061.23  634.6815712.39  634.6816213.34  643.3516276.57  652.02
16585.95  645.77 16593.3  644.2916705.54  641.9117399.09  606.5717989.53  597.34
18113.29  588.4418549.04  587.6418661.46  578.7618838.38  567.2519384.79  567.25
19555.84  570.5619719.84  597.3419803.48  608.47 19821.4  610.3920046.21  618.37
20461.21  624.66 20871.7  623.8422863.04  616.6522971.71  616.6523188.14  617.92
23518.15  618.5324448.35  623.9924691.07  632.66 26271.3  641.33 26631.9  645.45
27030.95  650.4327644.36  668.4427855.57  668.6728906.52  668.6729505.63  667.34
29763.86  667.3430305.16  658.67 30529.3  653.6330691.08  650.21 30823.1  641.72
30963.25   641.9 31240.5  650.9331543.88  653.4832579.38  664.8133205.76  669.25
34118.52  685.0434253.07  685.9934834.91  682.1434867.64  682.3736370.41  703.66
37354.25  709.5237540.46  715.4837872.29  729.1437911.38  730.4338200.48  738.68
38513.21  750.3838662.31  755.3239392.51     79040048.72  795.7640379.64     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517989.53     .1519719.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17989.5319719.84                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505836.00   314935.80   1899191.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1505836.00   314935.80   1899191.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2516564.00   835375.00   3378062.00
  Top Width (ft)          37320.94    Top Width (ft)          16555.90    1730.31   19034.73
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.67       2.65       1.78
  Max Chl Dpth (ft)         192.45    Hydr. Depth (ft)           90.95     182.01      99.78
  Conv. Total (cfs)       806210500.0    Conv. (cfs)            301468000.0   100072500.0   404670000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16574.41    1733.56   19038.21
  Min Ch El (ft)            567.25    Shear (lb/sq ft)            0.40       0.79       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.66       2.10       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    40434.72    7472.29   47640.41
  C & E Loss (ft)             0.00    Cum SA (acres)            256.35      27.96     289.03


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274354.*

INPUT
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Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  207.23   790.6  674.24  771.63 1420.47  760.37 1608.25  751.04
 1908.14  744.53 2084.01  741.32 2451.78  741.32 2802.85  738.97 3745.77  727.75
 3821.18  723.54 3917.01  718.68 3928.89  718.43 4140.63  715.29 4329.53  711.32
 4479.67  707.13 4640.86  702.23  5034.9  692.54 5515.13  687.12 5872.52  683.99
 6026.31  682.46 6193.66  673.59 6265.65  664.83 6647.04  664.38 7014.47  670.14
 7162.69  672.64 7394.25  655.28 7569.38   646.6 7644.29  637.92 7695.86  637.92
  7854.1  643.98 8082.98  654.06 8149.24  656.05 8285.45   663.6 8667.81   669.1
 8718.21  674.84 8880.88  692.51  9189.3  688.32 9204.12  686.81 9385.83  670.55
 9531.77  670.39 9799.33  687.45 9983.21  687.2410175.85  669.6610371.77  664.79
10523.54  658.5510541.67  658.1210636.04  640.7610813.12  614.7210873.44  614.72
10917.66  622.6411051.07  650.4811164.34  670.7611572.47  663.3711738.93  659.04
11797.68  656.6612021.66  652.6112287.26  650.44 12603.3  644.7213271.71  636.04
14811.05  636.0415064.41  634.72 15715.7  634.7216216.76   643.4   16280  652.08
16589.45  645.8216596.79  644.3516709.06  641.9717402.76   606.617993.32  597.36
18117.21  588.4518553.45  587.65   18666  578.7718843.11  567.2519389.77  567.25
19560.99  570.5619725.16  597.3619808.79  608.47 19826.7  610.3920051.49  618.33
20466.44  624.6220876.88   623.822867.99   616.622976.65   616.623193.06  617.87
23523.03  618.4924453.12  623.9624695.81  632.6426275.86  641.3226636.42  645.44
27035.42  650.4327648.76  668.4527859.95  668.6828910.78  668.6829509.82  667.36
29768.02  667.3630309.26  658.6830533.38  653.6430695.13  650.2130827.14   641.7
30967.27  641.8831244.49  650.9331547.84  653.4732583.21  664.7833209.52  669.23
34122.18  684.9534256.71  685.9134838.48  682.1234871.21  682.3536373.81  703.58
37357.54  709.4537543.72  715.4237875.51  729.07 37914.6  730.3638203.66  738.64
38516.37  750.3338665.45  755.2839395.56     790 40051.7  795.7740382.58     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517993.32     .1519725.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17993.3219725.16                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505798.00   315199.80   1899510.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1505798.00   315199.80   1899510.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2515603.00   835885.00   3378512.00
  Top Width (ft)          37324.50    Top Width (ft)          16559.39    1731.84   19033.27
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.67       2.65       1.78
  Max Chl Dpth (ft)         192.45    Hydr. Depth (ft)           90.93     182.00      99.80
  Conv. Total (cfs)       806370200.0    Conv. (cfs)             301412600.0   100153500.0   404804100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16577.94    1735.09   19036.74
  Min Ch El (ft)            567.25    Shear (lb/sq ft)            0.39       0.79       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.66       2.09       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    40261.88    7436.13   47422.39
  C & E Loss (ft)             0.00    Cum SA (acres)            254.45      27.76     286.84


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274351.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  207.28   790.6  674.38  771.62 1420.77  760.36 1608.59  751.03
 1908.54  744.52 2084.45  741.31 2452.29  741.31 2803.44  738.95 3746.56  727.77
 3821.98  723.55 3917.83  718.69 3929.72  718.44  4141.5  715.29 4330.44  711.31
 4480.61  707.12 4641.84  702.21 5035.96  692.53 5516.29   687.1 5873.76  683.97
 6027.58  682.44 6194.96  673.56 6266.98  664.79 6648.44  664.35 7015.95  670.12
  7164.2  672.62 7395.81  655.24 7570.97  646.55  7645.9  637.86 7697.48  637.86
 7855.76  643.93 8084.69  654.01 8150.96     656  8287.2  663.57 8669.64  669.11
 8720.05  674.86 8882.76  692.57 9191.24  688.41 9206.06   686.9 9387.81  670.63
 9533.78  670.46 9801.39  687.54 9985.32  687.34   10178  669.7410373.96  664.87
10525.76  658.6410543.89  658.2110638.29  640.83 10815.4  614.7610875.73  614.76
10919.96  622.68 11053.4  650.53 11166.7  670.8311574.91  663.44 11741.4  659.11
11800.16  656.7412024.19  652.6812289.85  650.4912605.96  644.76 13274.5  636.07
14814.17  636.0715067.58  634.7615719.01  634.7616220.18  643.4516283.43  652.14
16592.95  645.8716600.29  644.4116712.58  642.0317406.43  606.6217997.12  597.38
18121.14  588.4618557.87  587.6718670.54  578.7818847.85  567.2419394.75  567.24
19566.15  570.5519730.47  597.3819814.09  608.4719832.01  610.3920056.77  618.29
20471.67  624.5920882.07  623.7522872.95  616.5522981.59  616.5523197.97  617.82
23527.91  618.4624457.89  623.9324700.56  632.6226280.43  641.3126640.94  645.44
 27039.9  650.4327653.16  668.4627864.33  668.6928915.04  668.6929514.01  667.38
29772.18  667.3830313.35  658.6930537.45  653.6430699.18  650.2130831.17  641.69
30971.29  641.8731248.48  650.9231551.79  653.4732587.04  664.7633213.29  669.21
34125.84  684.8634260.35  685.8234842.06   682.134874.78  682.3336377.21  703.49
37360.82  709.3837546.98  715.3637878.73    72937917.82   730.338206.85  738.59
38519.52  750.2938668.58  755.2439398.61    79040054.67  795.7840385.52     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1517997.12     .1519730.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      17997.1219730.47                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505773.00   315467.00   1899830.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1505773.00   315467.00   1899830.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2514645.00   836408.40   3378948.00
  Top Width (ft)          37328.23    Top Width (ft)          16563.09    1733.35   19031.80
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.67       2.65       1.78
  Max Chl Dpth (ft)         192.46    Hydr. Depth (ft)           90.91     182.00      99.82
  Conv. Total (cfs)       806534400.0    Conv. (cfs)             301359200.0   100236600.0   404938700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16581.65    1736.61   19035.27
  Min Ch El (ft)            567.24    Shear (lb/sq ft)            0.39       0.79       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.66       2.09       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    40089.04    7399.93   47204.34
  C & E Loss (ft)             0.00    Cum SA (acres)            252.55      27.56     284.66
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CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274348.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  207.32  790.59  674.52   771.6 1421.07  760.36 1608.93  751.02
 1908.95  744.52 2084.89   741.3 2452.81   741.3 2804.03  738.94 3747.35  727.79
 3822.79  723.57 3918.66   718.7 3930.54  718.45 4142.38  715.28 4331.35   711.3
 4481.55   707.1 4642.82   702.2 5037.02  692.51 5517.45  687.09    5875  683.95
 6028.85  682.42 6196.27  673.53  6268.3  664.75 6649.84  664.32 7017.43   670.1
 7165.71   672.6 7397.37   655.2 7572.57   646.5 7647.52   637.8  7699.1   637.8
 7857.41  643.87 8086.39  653.96 8152.68  655.96 8288.95  663.54 8671.47  669.11
 8721.89  674.87 8884.63  692.62 9193.18   688.5    9208  686.99 9389.79   670.7
 9535.79  670.54 9803.46  687.64 9987.42  687.4310180.14  669.8210376.15  664.94
10527.98  658.7310546.12   658.310640.53   640.910817.68   614.810878.02   614.8
10922.26  622.7311055.73  650.5711169.05   670.911577.35   663.511743.88  659.18
11802.65  656.8112026.73  652.7512292.44  650.5312608.62   644.8 13277.3   636.1
14817.29   636.115070.76   634.815722.33   634.816223.59   643.516286.86   652.2
16596.45  645.9316603.79  644.48 16716.1   642.117410.09  606.6518000.91   597.4
18125.08  588.4818562.28  587.6918675.08  578.7918852.58  567.2419399.73  567.24
 19571.3  570.5519735.79   597.4 19819.4  608.4719837.31  610.3820062.05  618.26
 20476.9  624.5520887.25  623.71 22877.9   616.522986.53   616.523202.89  617.78
23532.79  618.4224462.66   623.9 24705.3   632.626284.99   641.326645.46  645.43
27044.37  650.4227657.57  668.4827868.71   668.728919.29   668.7 29518.2   667.4
29776.34   667.430317.45   658.730541.52  653.6530703.23  650.2130835.21  641.68
30975.31  641.8631252.47  650.9131555.75  653.4632590.88  664.7333217.05  669.18
34129.49  684.7834263.99  685.7334845.63  682.0734878.35  682.3136380.61   703.4
37364.11  709.3137550.24  715.2937881.96  728.9337921.04  730.2338210.04  738.54
38522.67  750.2438671.71   755.239401.66     79040057.64  795.7840388.45     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518000.91     .1519735.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18000.9119735.79                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505739.00   315725.00   1900173.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1505739.00   315725.00   1900173.00
  Q Total (cfs)           6730000.00    Flow (cfs)            2513676.00   836884.90   3379439.00
  Top Width (ft)          37331.79    Top Width (ft)          16566.58    1734.88   19030.33
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.67       2.65       1.78
  Max Chl Dpth (ft)         192.46    Hydr. Depth (ft)           90.89     181.99      99.85
  Conv. Total (cfs)       806700900.0    Conv. (cfs)            301305300.0   100314400.0   405081200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16585.17    1738.14   19033.80
  Min Ch El (ft)            567.24    Shear (lb/sq ft)            0.39       0.79       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.66       2.09       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    39916.20    7363.71   46986.25
  C & E Loss (ft)             0.00    Cum SA (acres)            250.64      27.37     282.47


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274345.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  207.36  790.59  674.67  771.59 1421.37  760.36 1609.27  751.01
 1909.35  744.51 2085.33  741.29 2453.33  741.29 2804.62  738.93 3748.14   727.8
  3823.6  723.58 3919.48  718.71 3931.37  718.46 4143.25  715.28 4332.27  711.29
  4482.5  707.09  4643.8  702.18 5038.08  692.49 5518.62  687.07 5876.24  683.93
 6030.12  682.41 6197.57  673.51 6269.62  664.72 6651.25  664.29 7018.91  670.08
 7167.22  672.58 7398.93  655.16 7574.16  646.45 7649.13  637.74 7700.72  637.74
 7859.07  643.82 8088.09   653.9  8154.4  655.91 8290.69  663.52 8673.29  669.12
 8723.73  674.89  8886.5  692.68 9195.11  688.59 9209.94  687.08 9391.77  670.77
  9537.8  670.61 9805.52  687.73 9989.52  687.5310182.29   669.910378.33  665.02
 10530.2  658.8210548.34  658.3910642.77  640.9710819.96  614.8410880.32  614.84
10924.56  622.7811058.05  650.6211171.41  670.9711579.79  663.5611746.35  659.25
11805.14  656.8912029.26  652.8212295.03  650.5812611.28  644.84 13280.1  636.13
14820.41  636.1315073.93  634.8415725.64  634.8416227.01  643.5516290.29  652.26
16599.94  645.9816607.29  644.5416719.63  642.1617413.76  606.68 18004.7  597.42
18129.01  588.4918566.69  587.7118679.61   578.818857.31  567.2419404.71  567.24
19576.45  570.5419741.11  597.4219824.71  608.4619842.62  610.3820067.33  618.22
20482.13  624.5220892.43  623.6722882.86  616.4522991.47  616.4523207.81  617.73
23537.67  618.3824467.44  623.8724710.04  632.5826289.55  641.2926649.98  645.42
27048.85  650.4227661.97  668.4927873.09  668.7128923.55  668.7129522.39  667.42
29780.49  667.4230321.54  658.7130545.59  653.6530707.29  650.2130839.25  641.66
30979.33  641.8431256.46   650.9 31559.7  653.4532594.71   664.733220.81  669.16
34133.15  684.6934267.63  685.6534849.21  682.0534881.92  682.29   36384  703.31
37367.39  709.24 37553.5  715.2337885.18  728.8637924.26  730.1638213.22  738.49
38525.82   750.238674.84  755.16 39404.7     79040060.62  795.7940391.39     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 18004.7     .1519741.11     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       18004.719741.11                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505705.00   315988.20   1900506.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1505705.00   315988.20   1900506.00
  Q Total (cfs)           6730000.00    Flow (cfs)            2512709.00   837383.10   3379909.00
  Top Width (ft)          37335.33    Top Width (ft)          16570.07    1736.41   19028.85
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.67       2.65       1.78
```

```
  Max Chl Dpth (ft)          192.46    Hydr. Depth (ft)           90.87     181.98      99.88
  Conv. Total (cfs)        806866800.0    Conv. (cfs)            301251300.0   100394700.0   405220800.0
  Length Wtd. (ft)             5.00    Wetted Per. (ft)        16588.70    1739.67   19032.31
  Min Ch El (ft)             567.24    Shear (lb/sq ft)            0.39       0.79       0.43
  Alpha                        1.07    Stream Power (lb/ft s)      0.66       2.09       0.77
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    39743.37    7327.45   46768.12
  C & E Loss (ft)              0.00    Cum SA (acres)            248.74      27.17     280.29


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274342.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  207.41  790.58  674.81  771.58 1421.67  760.36 1609.61  751.01
 1909.75   744.5 2085.77  741.28 2453.84  741.28 2805.21  738.91 3748.93  727.82
  3824.4   723.6 3920.31  718.72  3932.2  718.47 4144.12  715.27 4333.18  711.28
 4483.44  707.07 4644.78  702.16 5039.15  692.47 5519.78  687.06 5877.48  683.91
  6031.4  682.39 6198.88  673.48 6270.94  664.68 6652.65  664.25 7020.39  670.05
 7168.73  672.56 7400.48  655.12 7575.76   646.4 7650.74  637.68 7702.35  637.68
 7860.73  643.77  8089.8  653.85 8156.11  655.87 8292.44  663.49 8675.12  669.13
 8725.56  674.91 8888.37  692.74 9197.05  688.68 9211.88  687.16 9393.75  670.84
 9539.81  670.68 9807.59  687.83 9991.63  687.6310184.43  669.9710380.52  665.09
10532.42  658.9110550.56  658.4810645.01  641.0410822.24  614.8810882.61  614.88
10926.86  622.8311060.38  650.6711173.76  671.0411582.23  663.6211748.83  659.31
11807.62  656.97 12031.8  652.8912297.62  650.6312613.93  644.88 13282.9  636.16
14823.54  636.1615077.11  634.8815728.95  634.8816230.43   643.616293.73  652.32
16603.44  646.0316610.79   644.616723.15  642.2217417.43   606.7 18008.5  597.44
18132.94   588.5 18571.1  587.7218684.15   578.818862.05  567.2419409.69  567.24
 19581.6  570.5419746.42  597.4419830.02  608.4619847.92  610.3820072.61  618.18
20487.37  624.4820897.62  623.6322887.81   616.422996.41   616.423212.73  617.68
23542.55  618.3524472.21  623.8424714.79  632.5626294.11  641.28 26654.5  645.42
27053.32  650.4227666.37   668.527877.47  668.7228927.81  668.7229526.58  667.44
29784.65  667.4430325.64  658.7230549.66  653.6630711.34   650.230843.29  641.65
30983.35  641.8331260.45   650.931563.65  653.4432598.55  664.6733224.57  669.14
 34136.8   684.634271.28  685.5634852.78  682.0334885.49  682.27 36387.4  703.22
37370.67  709.1637556.77  715.1737888.41  728.7937927.48  730.0938216.41  738.45
38528.97  750.1538677.98  755.1239407.75     79040063.59   795.840394.32     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 18008.5     .1519746.42     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       18008.519746.42                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.75    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.70    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                       Flow Area (sq ft)       1505692.00   316250.20   1900837.00
  E.G. Slope (ft/ft)       0.000070    Area (sq ft)            1505692.00   316250.20   1900837.00
  Q Total (cfs)            6730000.00    Flow (cfs)             2511782.00   837876.80   3380341.00
  Top Width (ft)           37338.87    Top Width (ft)          16573.56    1737.92   19027.38
  Vel Total (ft/s)             1.81    Avg. Vel. (ft/s)            1.67       2.65       1.78
  Max Chl Dpth (ft)          192.46    Hydr. Depth (ft)           90.85     181.97      99.90
  Conv. Total (cfs)        807038500.0    Conv. (cfs)            301204300.0   100475300.0   405358900.0
  Length Wtd. (ft)             5.00    Wetted Per. (ft)        16592.22    1741.18   19030.85
  Min Ch El (ft)             567.24    Shear (lb/sq ft)            0.39       0.79       0.43
  Alpha                        1.07    Stream Power (lb/ft s)      0.66       2.09       0.77
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    39570.54    7291.17   46549.95
  C & E Loss (ft)              0.00    Cum SA (acres)            246.84      26.97     278.11


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274339.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  207.45  790.58  674.95  771.57 1421.97  760.35 1609.94     751
 1910.15   744.5 2086.21  741.27 2454.36  741.27 2805.81   738.9 3749.72  727.84
 3825.21  723.62 3921.14  718.73 3933.03  718.48    4145  715.27 4334.09  711.27
 4484.39  707.06 4645.76  702.14 5040.21  692.45 5520.94  687.04 5878.71  683.89
 6032.67  682.37 6200.19  673.45 6272.26  664.64 6654.05  664.22 7021.86  670.03
 7170.24  672.54 7402.04  655.08 7577.36  646.35 7652.35  637.62 7703.97  637.62
 7862.38  643.71  8091.5   653.8 8157.83  655.82 8294.18  663.46 8676.95  669.13
  8727.4  674.93 8890.24  692.79 9198.99  688.76 9213.82  687.25 9395.73  670.91
 9541.82  670.75 9809.66  687.92 9993.73  687.7210186.58  670.05 10382.7  665.16
10534.63     65910552.78  658.5710647.26  641.1110824.51  614.92 10884.9  614.92
10929.16  622.8811062.71  650.7111176.11  671.1111584.67  663.68 11751.3  659.38
11810.11  657.0412034.33  652.9712300.21  650.6712616.59  644.9213285.69  636.19
14826.66  636.1915080.28  634.9215732.26  634.9216233.85  643.6516297.16  652.38
16606.94  646.0816614.29  644.6616726.67  642.28 17421.1  606.7318012.29  597.46
18136.87  588.5118575.52  587.7418688.69  578.8118866.78  567.2419414.67  567.24
19586.75  570.5419751.74  597.4619835.32  608.4619853.23  610.3820077.89  618.15
 20492.6  624.45 20902.8  623.5922892.77  616.3523001.36  616.3523217.64  617.63
23547.43  618.3124476.98  623.8124719.53  632.5426298.67  641.2726659.02  645.41
27057.79  650.4127670.78  668.5127881.85  668.7328932.07  668.7329530.77  667.46
29788.81  667.4630329.74  658.7330553.73  653.6630715.39   650.230847.32  641.64
30987.38  641.8131264.43  650.8931567.61  653.4432602.38  664.6433228.33  669.11
34140.46  684.5234274.92  685.4834856.36  682.0134889.06  682.25 36390.8  703.14
37373.96  709.0937560.03   715.137891.63  728.72 37930.7  730.02 38219.6   738.4
38532.12   750.138681.11  755.08 39410.8     79040066.56   795.840397.25     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518012.29     .1519751.74     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18012.2919751.74                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
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```
  E.G. Elev (ft)            759.75    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505671.00   316511.50   1901158.00
  E.G. Slope (ft/ft)      0.000070    Area (sq ft)            1505671.00   316511.50   1901158.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2510844.00   838369.60   3380787.00
  Top Width (ft)          37342.59    Top Width (ft)          16577.24    1739.45   19025.90
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)           1.67       2.65       1.78
  Max Chl Dpth (ft)         192.46    Hydr. Depth (ft)          90.83     181.96      99.92
  Conv. Total (cfs)       807201600.0    Conv. (cfs)            301152600.0   100554700.0   405494300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16595.92    1742.71   19029.37
  Min Ch El (ft)            567.24    Shear (lb/sq ft)           0.39       0.79       0.43
  Alpha                       1.07    Stream Power (lb/ft s)     0.66       2.09       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    39397.71    7254.85   46331.75
  C & E Loss (ft)             0.00    Cum SA (acres)            244.94      26.77     275.92


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274336.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   207.5  790.58  675.09  771.55 1422.27  760.35 1610.28  750.99
 1910.56  744.49 2086.65  741.26 2454.88  741.26  2806.4  738.89 3750.51  727.85
 3826.01  723.63 3921.96  718.74 3933.86  718.49 4145.87  715.26    4335  711.26
 4485.33  707.05 4646.73  702.13 5041.27  692.43  5522.1  687.03 5879.95  683.88
 6033.94  682.35 6201.49  673.43 6273.58  664.61 6655.45  664.19 7023.34  670.01
 7171.75  672.52  7403.6  655.04 7578.95   646.3 7653.96  637.56 7705.59  637.56
 7864.04  643.66  8093.2  653.75 8159.55  655.77 8295.93  663.43 8678.78  669.14
 8729.24  674.94 8892.12  692.85 9200.92  688.85 9215.76  687.34  9397.7  670.98
 9543.83  670.83 9811.72  688.02 9995.84  687.8210188.72  670.1310384.89  665.24
10536.85  659.09   10555  658.66 10649.5  641.1810826.79  614.9610887.19  614.96
10931.46  622.9311065.04  650.7611178.47  671.1811587.11  663.7411753.77  659.45
 11812.6  657.1212036.87  653.04 12302.8  650.7212619.25  644.9613288.49  636.22
14829.78  636.2215083.46  634.9615735.58  634.9616237.27   643.716300.59  652.44
16610.43  646.1416617.79  644.7316730.19  642.3417424.77  606.7518016.08  597.48
 18140.8  588.5218579.93  587.7618693.23  578.8218871.52  567.2419419.65  567.24
 19591.9  570.5319757.06  597.4819840.63  608.4619858.53  610.3720083.17  618.11
20497.83  624.4120907.99  623.5522897.72   616.3 23006.3   616.323222.56  617.58
23552.31  618.2724481.75  623.7824724.28  632.5226303.23  641.2626663.54  645.41
27062.27  650.4127675.18  668.5227886.23  668.7428936.32  668.7429534.95  667.48
29792.97  667.4830333.83  658.74 30557.8  653.6630719.44   650.230851.36  641.62
30991.39   641.831268.42  650.8831571.56  653.4332606.22  664.6133232.09  669.09
34144.12  684.4334278.56  685.3934859.93  681.9934892.63  682.23 36394.2  703.05
37377.24  709.0237563.29  715.0437894.86  728.6537933.91  729.9538222.78  738.35
38535.27  750.0638684.24  755.0439413.85     79040069.54  795.8140400.19     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518016.08    .1519757.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18016.0819757.06                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505634.00   316774.20   1901494.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1505634.00   316774.20   1901494.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2509870.00   838865.50   3381265.00
  Top Width (ft)          37346.14    Top Width (ft)          16580.74    1740.98   19024.42
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)           1.67       2.65       1.78
  Max Chl Dpth (ft)         192.46    Hydr. Depth (ft)          90.81     181.95      99.95
  Conv. Total (cfs)       807367200.0    Conv. (cfs)            301097500.0   100634800.0   405634800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16599.45    1744.25   19027.88
  Min Ch El (ft)            567.24    Shear (lb/sq ft)           0.39       0.79       0.43
  Alpha                       1.07    Stream Power (lb/ft s)     0.66       2.09       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    39224.88    7218.51   46113.51
  C & E Loss (ft)             0.00    Cum SA (acres)            243.03      26.57     273.74


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274333.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  207.54  790.57  675.23  771.54 1422.57  760.35 1610.62  750.98
 1910.96  744.48 2087.09  741.25  2455.4  741.25 2806.99  738.88  3751.3  727.87
 3826.82  723.65 3922.79  718.75 3934.68   718.5 4146.74  715.26 4335.92  711.25
 4486.28  707.03 4647.71  702.11 5042.33  692.41 5523.27  687.01 5881.19  683.86
 6035.21  682.33  6202.8   673.4  6274.9  664.57 6656.85  664.15 7024.82  669.98
 7173.26   672.5 7405.16     655 7580.55  646.25 7655.57   637.5 7707.21   637.5
 7865.69  643.61 8094.91  653.69 8161.27  655.73 8297.68  663.41  8680.6  669.15
 8731.08  674.96 8893.99  692.91 9202.86  688.94  9217.7  687.43 9399.68  671.06
 9545.84   670.9 9813.79  688.11 9997.94  687.9210190.87  670.2110387.08  665.31
10539.07  659.1810557.23  658.7510651.74  641.2510829.07     61510889.48     615
10933.77  622.9811067.37  650.8111180.82  671.2511589.55   663.811756.25  659.52
11815.09   657.2 12039.4  653.1112305.39  650.77 12621.9     64513291.29  636.25
 14832.9  636.2515086.63     63515738.89     63516240.69  643.7516304.02   652.5
16613.93  646.1916621.29  644.7916733.71   642.417428.44  606.7818019.88   597.5
18144.73  588.5318584.34  587.7818697.77  578.8318876.25  567.2419424.62  567.24
19597.05  570.5319762.38   597.519845.94  608.4619863.84  610.3720088.45  618.07
20503.06  624.3820913.17   623.522902.68  616.2523011.24  616.2523227.48  617.53
23557.19  618.2424486.52  623.7524729.02   632.526307.79  641.2526668.06   645.4
27066.74  650.4127679.58  668.5327890.61  668.7528940.58  668.7529539.14   667.5
29797.13   667.530337.93  658.7530561.87  653.6730723.49   650.2 30855.4  641.61
30995.42  641.7831272.41  650.8831575.51  653.4232610.05  664.5833235.86  669.06
34147.78  684.35 34282.2  685.31 34863.5  681.97 34896.2  682.2136397.59  702.96
37380.52  708.9537566.55  714.9837898.08  728.5837937.13  729.8838225.97   738.3
38538.42  750.0138687.38     755 39416.9     79040072.51  795.8240403.12     800

Manning's n Values        num=       3
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     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518019.88     .1519762.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18019.8819762.38                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505608.00   317033.60   1901831.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1505608.00   317033.60   1901831.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2508918.00   839348.10   3381734.00
  Top Width (ft)          37349.68    Top Width (ft)          16584.24    1742.50   19022.94
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.67       2.65       1.78
  Max Chl Dpth (ft)         192.46    Hydr. Depth (ft)           90.79     181.94      99.98
  Conv. Total (cfs)       807535200.0    Conv. (cfs)             301046000.0   100713700.0   405775500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16602.98    1745.77   19026.40
  Min Ch El (ft)            567.24    Shear (lb/sq ft)            0.39       0.79       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.66       2.08       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    39052.06    7182.13   45895.23
  C & E Loss (ft)             0.00    Cum SA (acres)            241.13      26.37     271.55


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274330.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  207.58  790.57  675.38  771.53 1422.87  760.34 1610.96  750.97
 1911.36  744.48 2087.53  741.24 2455.91  741.24 2807.58  738.86 3752.09  727.89
 3827.62  723.66 3923.61  718.76 3935.51  718.51 4147.61  715.25 4336.83  711.24
 4487.22  707.02 4648.69  702.09 5043.39  692.39 5524.43     687 5882.43  683.84
 6036.48  682.31  6204.1  673.37 6276.22  664.53 6658.25  664.12  7026.3  669.96
 7174.77  672.48 7406.72  654.96 7582.14   646.2 7657.18  637.44 7708.84  637.44
 7867.35  643.55 8096.61  653.64 8162.98  655.68 8299.42  663.38 8682.43  669.15
 8732.92  674.98 8895.86  692.96  9204.8  689.03 9219.64  687.52 9401.66  671.13
 9547.85  670.97 9815.85  688.2110000.05  688.0110193.01  670.2910389.26  665.39
10541.29  659.2710559.45  658.8410653.98  641.3210831.35  615.0410891.78  615.04
10936.07  623.03 11069.7  650.8511183.17  671.3211591.99  663.8711758.72  659.59
11817.57  657.2712041.93  653.1812307.98  650.8112624.56  645.0413294.09  636.28
14836.03  636.2815089.81  635.04 15742.2  635.0416244.11   643.816307.45  652.56
16617.43  646.2416624.78  644.8516737.24  642.4617432.11   606.818023.67  597.52
18148.66  588.5518588.76   587.8 18702.3  578.8418880.98  567.24 19429.6  567.24
19602.21  570.5219767.69  597.5219851.24  608.4519869.14  610.3720093.73  618.04
20508.29  624.3420918.36  623.4622907.63   616.223016.18   616.223232.39  617.48
23562.06   618.224491.29  623.7224733.76  632.4826312.36  641.2426672.58   645.4
27071.22   650.427683.99  668.5527894.98  668.7628944.84  668.7629543.33  667.52
29801.29  667.5230342.03  658.7630565.94  653.6730727.54   650.230859.43   641.6
30999.44  641.77 31276.4  650.8731579.47  653.4132613.88  664.5533239.62  669.04
34151.43  684.2634285.84  685.2234867.08  681.9534899.77  682.1936400.99  702.87
37383.81  708.8837569.82  714.91 37901.3  728.5137940.36  729.8238229.16  738.26
38541.57  749.9738690.51  754.9639419.95     79040075.48  795.8240406.06     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518023.67     .1519767.69     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18023.6719767.69                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505592.00   317292.00   1902162.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1505592.00   317292.00   1902162.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2507983.00   839826.30   3382191.00
  Top Width (ft)          37353.41    Top Width (ft)          16587.92    1744.02   19021.47
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.67       2.65       1.78
  Max Chl Dpth (ft)         192.46    Hydr. Depth (ft)           90.76     181.93     100.00
  Conv. Total (cfs)       807702200.0    Conv. (cfs)             300996100.0   100791900.0   405914200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16606.69    1747.29   19024.92
  Min Ch El (ft)            567.24    Shear (lb/sq ft)            0.39       0.79       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.65       2.08       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    38879.24    7145.73   45676.91
  C & E Loss (ft)             0.00    Cum SA (acres)            239.23      26.17     269.37


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274327.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  207.63  790.56  675.52  771.52 1423.17  760.34  1611.3  750.97
 1911.76  744.47 2087.96  741.23 2456.43  741.23 2808.17  738.85 3752.88   727.9
 3828.43  723.68 3924.44  718.77 3936.34  718.52 4148.49  715.25 4337.74  711.23
 4488.16     707 4649.67  702.08 5044.45  692.37 5525.59  686.98 5883.66  683.82
 6037.75  682.29 6205.41  673.34 6277.54   664.5 6659.65  664.09 7027.78  669.94
 7176.28  672.46 7408.28  654.92 7583.74  646.15  7658.8  637.38 7710.46  637.38
    7869   643.5 8098.32  653.59  8164.7  655.64 8301.17  663.35 8684.26  669.16
 8734.75  674.99 8897.73  693.02 9206.74  689.12 9221.58  687.61 9403.64   671.2
 9549.86  671.04 9817.92   688.310002.15  688.1110195.16  670.3710391.45  665.46
10543.51  659.3610561.67  658.9310656.22  641.3910833.63  615.0810894.07  615.08
10938.37  623.0811072.03   650.911185.53  671.3911594.42  663.93 11761.2  659.65
11820.06  657.3512044.47  653.2512310.57  650.8612627.22  645.0813296.89  636.31
14839.15  636.3115092.99  635.0815745.52  635.0816247.52  643.8516310.88  652.62
16620.92  646.2916628.28  644.9116740.76  642.5217435.77  606.8318027.46  597.54
18152.59  588.5618593.17  587.8118706.84  578.8518885.72  567.2419434.58  567.24
19607.36  570.5219773.01  597.5419856.55  608.4519874.45  610.3620099.01     618
20513.52  624.3120923.54  623.4222912.58  616.1523021.12  616.1523237.31  617.44
23566.94  618.1724496.07  623.6924738.51  632.4626316.92  641.23 26677.1  645.39
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27075.69   650.427688.39  668.5627899.36  668.77 28949.1  668.7729547.52  667.54
29805.45  667.5430346.12  658.7730570.01  653.68 30731.6   650.230863.47  641.59
31003.46  641.7631280.39  650.8631583.42  653.4132617.72  664.5233243.38  669.02
34155.09  684.1734289.48  685.1434870.65  681.9334903.34  682.1736404.39  702.78
37387.09  708.8137573.08  714.8537904.53  728.4437943.57  729.7538232.34  738.21
38544.72  749.9238693.64  754.92   39423     79040078.45  795.83   40409     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518027.46     .1519773.01     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18027.4619773.01                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505561.00   317555.70   1902477.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1505561.00   317555.70   1902477.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2507042.00   840331.50   3382627.00
  Top Width (ft)          37356.93    Top Width (ft)          16591.40    1745.55   19019.97
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.67       2.65       1.78
  Max Chl Dpth (ft)         192.46    Hydr. Depth (ft)           90.74     181.92     100.03
  Conv. Total (cfs)       807863400.0    Conv. (cfs)             300943100.0   100872700.0   406047600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16610.20    1748.82   19023.43
  Min Ch El (ft)            567.24    Shear (lb/sq ft)            0.39       0.79       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.65       2.08       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    38706.43    7109.29   45458.55
  C & E Loss (ft)             0.00    Cum SA (acres)            237.32      25.97     267.19


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274325.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  207.67  790.56  675.66   771.5 1423.47  760.34 1611.64  750.96
 1912.16  744.47  2088.4  741.22 2456.95  741.22 2808.76  738.84 3753.67  727.92
 3829.23  723.69 3925.26  718.78 3937.17  718.53 4149.36  715.24 4338.65  711.22
 4489.11  706.99 4650.65  702.06 5045.51  692.35 5526.76  686.97  5884.9   683.8
 6039.02  682.28 6206.71  673.32 6278.86  664.46 6661.05  664.05 7029.26  669.92
 7177.79  672.44 7409.84  654.88 7585.33   646.1 7660.41  637.32 7712.08  637.32
 7870.66  643.45 8100.02  653.53 8166.42  655.59 8302.92  663.32 8686.08  669.17
 8736.59  675.01  8899.6  693.08 9208.67  689.21 9223.52   687.7 9405.62  671.27
 9551.87  671.12 9819.98   688.410004.25  688.21 10197.3  670.4410393.64  665.54
10545.73  659.4610563.89  659.0210658.47  641.4610835.91  615.1210896.36  615.12
10940.67  623.1311074.36  650.9511187.88  671.4611596.86  663.9911763.67  659.72
11822.55  657.43   12047  653.3312313.16  650.9112629.87  645.1213299.68  636.34
14842.27  636.3415096.16  635.1215748.83  635.1216250.94   643.916314.32  652.68
16624.42  646.3516631.78  644.9816744.28  642.5817439.44  606.8618031.25  597.56
18156.52  588.5718597.58  587.8318711.38  578.8618890.45  567.2319439.56  567.23
19612.51  570.5219778.33  597.5619861.86  608.4519879.75  610.3620104.29  617.97
20518.75  624.2720928.72  623.3822917.54   616.123026.07   616.123242.23  617.39
23571.82  618.1324500.84  623.6624743.25  632.4426321.48  641.2226681.62  645.39
27080.17   650.427692.79  668.5727903.74  668.7828953.36  668.7829551.71  667.56
29809.61  667.5630350.22  658.7830574.08  653.6830735.65  650.1930867.51  641.57
31007.48  641.7431284.38  650.8631587.38   653.432621.55  664.4933247.14  668.99
34158.75  684.0934293.12  685.0534874.23  681.9134906.91  682.1436407.79   702.7
37390.38  708.7337576.34  714.7937907.75  728.3737946.79  729.6838235.53  738.16
38547.87  749.8838696.77  754.8839426.04     79040081.43  795.8440411.93     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518031.25     .1519778.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18031.2519778.33                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505517.00   317824.20   1902812.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1505517.00   317824.20   1902812.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2506050.00   840851.30   3383099.00
  Top Width (ft)          37360.46    Top Width (ft)          16594.90    1747.08   19018.48
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.66       2.65       1.78
  Max Chl Dpth (ft)         192.47    Hydr. Depth (ft)           90.72     181.92     100.05
  Conv. Total (cfs)       808029800.0    Conv. (cfs)             300886000.0   100955800.0   406187900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16613.72    1750.35   19021.94
  Min Ch El (ft)            567.23    Shear (lb/sq ft)            0.39       0.79       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.65       2.08       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    38533.61    7072.83   45240.16
  C & E Loss (ft)             0.00    Cum SA (acres)            235.42      25.77     265.00


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274322.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  207.71  790.55   675.8  771.49 1423.77  760.34 1611.98  750.95
 1912.57  744.46 2088.84  741.21 2457.46  741.21 2809.35  738.83 3754.46  727.94
 3830.04  723.71 3926.09  718.79    3938  718.54 4150.23  715.24 4339.57  711.21
 4490.05  706.97 4651.63  702.04 5046.58  692.33 5527.92  686.95 5886.14  683.78
 6040.29  682.26 6208.02  673.29 6280.18  664.42 6662.46  664.02 7030.74  669.89
  7179.3  672.42  7411.4  654.84 7586.93  646.05 7662.02  637.26  7713.7  637.26
 7872.31   643.4 8101.72  653.48 8168.14  655.55 8304.66   663.3 8687.91  669.17
 8738.43  675.03 8901.48  693.13 9210.61  689.29 9225.46  687.78  9407.6  671.34
 9553.88  671.19 9822.05  688.4910006.36   688.310199.45  670.5210395.82  665.61
10547.94  659.5510566.12  659.1110660.71  641.5310838.19  615.1610898.65  615.16
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10942.97  623.1811076.69  650.9911190.23  671.53 11599.3  664.0511766.15  659.79
11825.03   657.512049.54   653.412315.75  650.9512632.53  645.1613302.48  636.37
14845.39  636.3715099.34  635.1615752.14  635.1616254.36  643.9516317.75  652.74
16627.92   646.416635.28  645.04 16747.8  642.6417443.11  606.8818035.05  597.58
18160.45  588.58   18602  587.8518715.92  578.8718895.19  567.2319444.54  567.23
19617.66  570.5119783.64  597.5819867.17  608.4519885.06  610.3620109.57  617.93
20523.99  624.2420933.91  623.3422922.49  616.0523031.01  616.0523247.15  617.34
 23576.7  618.0924505.61  623.63   24748  632.4226326.04  641.2126686.14  645.38
27084.64  650.39 27697.2  668.5827908.12  668.7928957.61  668.79 29555.9  667.58
29813.77  667.5830354.32  658.7930578.15  653.68 30739.7  650.1930871.54  641.56
 31011.5  641.7331288.37  650.8531591.33  653.3932625.39  664.4633250.91  668.97
 34162.4      68434296.77  684.97 34877.8  681.8934910.48  682.1236411.18  702.61
37393.66  708.6637579.61  714.7337910.98   728.337950.01  729.6138238.71  738.11
38551.02  749.8338699.91  754.8439429.09      790 40084.4  795.8440414.86     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518035.05     .1519783.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18035.0519783.64                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505507.00   318083.40   1903150.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1505507.00   318083.40   1903150.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2505126.00   841327.90   3383546.00
  Top Width (ft)          37364.00    Top Width (ft)          16598.40    1748.59   19017.01
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.66       2.64       1.78
  Max Chl Dpth (ft)         192.47    Hydr. Depth (ft)           90.70     181.91     100.08
  Conv. Total (cfs)       808204000.0    Conv. (cfs)             300840000.0   101034900.0   406329200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16617.25    1751.87   19020.46
  Min Ch El (ft)            567.23    Shear (lb/sq ft)            0.39       0.79       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.65       2.08       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    38360.80    7036.33   45021.72
  C & E Loss (ft)             0.00    Cum SA (acres)            233.51      25.57     262.82


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274319.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  207.76  790.55  675.94  771.48 1424.07  760.33 1612.32  750.94
 1912.97  744.45 2089.28   741.2 2457.98   741.2 2809.94  738.81 3755.25  727.96
 3830.85  723.72 3926.92   718.8 3938.83  718.55  4151.1  715.23 4340.48   711.2
    4491  706.96  4652.6  702.03 5047.64  692.31 5529.08  686.94 5887.38  683.77
 6041.56  682.24 6209.32  673.26  6281.5  664.39 6663.86  663.99 7032.21  669.87
 7180.81   672.4 7412.95   654.8 7588.52     646 7663.63   637.2 7715.33   637.2
 7873.97  643.34 8103.43  653.43 8169.86   655.5 8306.41  663.27 8689.74  669.18
 8740.27  675.04 8903.35  693.19 9212.55  689.38  9227.4  687.87 9409.58  671.41
 9555.88  671.26 9824.12  688.5910008.46   688.410201.59   670.610398.01  665.69
10550.16  659.6410568.34   659.210662.95   641.610840.47   615.210900.95   615.2
10945.27  623.2311079.02  651.0411192.59   671.611601.74  664.1111768.62  659.86
11827.52  657.5812052.07  653.4712318.34     65112635.19   645.213305.28   636.4
14848.51   636.415102.51   635.215755.46   635.216257.78     64416321.18   652.8
16631.41  646.4516638.78   645.116751.33   642.717446.78  606.9118038.84   597.6
18164.38  588.5918606.41  587.8718720.46  578.8818899.92  567.2319449.52  567.23
19622.81  570.5119788.96   597.619872.47  608.4519890.37  610.3520114.85  617.89
20529.22   624.220939.09   623.322927.45     61623035.95     61623252.06  617.29
23581.58  618.0624510.38   623.624752.74   632.4 26330.6   641.226690.66  645.38
27089.11  650.39 27701.6  668.59 27912.5   668.828961.87   668.829560.09   667.6
29817.92   667.630358.41   658.830582.22  653.6930743.75  650.1930875.58  641.55
31015.52  641.7131292.36  650.8431595.28  653.3832629.22  664.4433254.67  668.94
34166.06  683.9134300.41  684.8834881.38  681.8734914.05   682.136414.58  702.52
37396.94  708.5937582.87  714.66 37914.2  728.2337953.23  729.54 38241.9  738.07
38554.17  749.7838703.04   754.839432.14     79040087.38  795.85 40417.8     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518038.84     .1519788.96     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18038.8419788.96                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505471.00   318344.60   1903478.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1505471.00   318344.60   1903478.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2504157.00   841820.90   3384022.00
  Top Width (ft)          37367.71    Top Width (ft)          16602.08    1750.12   19015.51
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.66       2.64       1.78
  Max Chl Dpth (ft)         192.47    Hydr. Depth (ft)           90.68     181.90     100.10
  Conv. Total (cfs)       808365200.0    Conv. (cfs)             300783500.0   101114200.0   406467400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16620.96    1753.40   19018.96
  Min Ch El (ft)            567.23    Shear (lb/sq ft)            0.39       0.79       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.65       2.08       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    38188.00    6999.80   44803.25
  C & E Loss (ft)             0.00    Cum SA (acres)            231.61      25.37     260.64


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274316.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   207.8  790.54  676.09  771.47 1424.37  760.33 1612.66  750.94
 1913.37  744.45 2089.72  741.19  2458.5  741.19 2810.53   738.8 3756.04  727.97
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 3831.65  723.74 3927.74  718.81 3939.65  718.56 4151.98  715.22 4341.39  711.19
 4491.94  706.94 4653.58  702.01  5048.7  692.29 5530.24  686.92 5888.62  683.75
 6042.83  682.22 6210.63  673.24 6282.82  664.35 6665.26  663.95 7033.69  669.85
 7182.32  672.38 7414.51  654.76 7590.12  645.95 7665.24  637.14 7716.95  637.14
 7875.63  643.29 8105.13  653.37 8171.57  655.45 8308.16  663.24 8691.57  669.19
  8742.1  675.06 8905.22  693.25 9214.48  689.47 9229.34  687.96 9411.55  671.48
 9557.89  671.34 9826.18  688.6810010.57   688.510203.74  670.68 10400.2  665.76
10552.38  659.7310570.56  659.2910665.19  641.6710842.75  615.2410903.24  615.24
10947.57  623.2711081.35  651.0911194.94  671.6711604.18  664.17 11771.1  659.93
11830.01  657.66 12054.6  653.5412320.93  651.0412637.84  645.2413308.08  636.43
14851.64  636.4315105.69  635.2415758.77  635.24 16261.2  644.0516324.61  652.86
16634.91  646.5116642.28  645.1716754.85  642.7617450.45  606.9318042.63  597.62
18168.31  588.6118610.82  587.8818724.99  578.8918904.65  567.23 19454.5  567.23
19627.96   570.519794.28  597.6219877.78  608.4519895.67  610.3520120.12  617.86
20534.45  624.1720944.28  623.25 22932.4  615.9523040.89  615.9523256.98  617.24
23586.46  618.0224515.15  623.5724757.48  632.3826335.16  641.1926695.18  645.37
27093.59  650.39   27706   668.627916.88  668.8128966.13  668.8129564.28  667.62
29822.08  667.6230362.51  658.8130586.29  653.69 30747.8  650.1930879.62  641.53
31019.54   641.731296.34  650.8331599.24  653.3832633.06  664.4133258.43  668.92
34169.72  683.8334304.05   684.834884.95  681.8534917.62  682.0836417.98  702.43
37400.23  708.5237586.13   714.637917.42  728.1637956.45  729.4738245.09  738.02
38557.32  749.7438706.17  754.7639435.19     79040090.35  795.8640420.73     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518042.63     .1519794.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18042.6319794.28                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505452.00   318606.90   1903805.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1505452.00   318606.90   1903805.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2503228.00   842311.30   3384461.00
  Top Width (ft)          37371.23    Top Width (ft)          16605.56    1751.65   19014.02
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.66       2.64       1.78
  Max Chl Dpth (ft)         192.47    Hydr. Depth (ft)           90.66     181.89     100.13
  Conv. Total (cfs)       808534300.0    Conv. (cfs)            300734800.0   101194300.0   406605200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16624.47    1754.93   19017.47
  Min Ch El (ft)            567.23    Shear (lb/sq ft)            0.39       0.79       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.65       2.08       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    38015.20    6963.25   44584.75
  C & E Loss (ft)             0.00    Cum SA (acres)            229.70      25.16     258.46


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274313.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  207.85  790.54  676.23  771.46 1424.67  760.33    1613  750.93
 1913.77  744.44 2090.16  741.18 2459.01  741.18 2811.12  738.79 3756.83  727.99
 3832.46  723.76 3928.57  718.82 3940.48  718.57 4152.85  715.22 4342.31  711.18
 4492.89  706.93 4654.56  701.99 5049.76  692.27 5531.41  686.91 5889.85  683.73
  6044.1   682.2 6211.94  673.21 6284.15  664.31 6666.66  663.92 7035.17  669.82
 7183.83  672.36 7416.07  654.72 7591.72   645.9 7666.85  637.08 7718.57  637.08
 7877.28  643.24 8106.84  653.32 8173.29  655.41  8309.9  663.22 8693.39  669.19
 8743.94  675.08 8907.09   693.3 9216.42  689.56 9231.29  688.05 9413.53  671.56
  9559.9  671.41 9828.25  688.7810012.67  688.5910205.88  670.7610402.38  665.84
 10554.6  659.8210572.78  659.3810667.43  641.7410845.03  615.2810905.53  615.28
10949.88  623.3211083.68  651.1311197.29  671.7411606.62  664.2411773.57  659.99
11832.49  657.7312057.14  653.6212323.52  651.09 12640.5  645.2813310.87  636.46
14854.76  636.4615108.86  635.2815762.08  635.2816264.62   644.116328.04  652.92
16638.41  646.5616645.78  645.2316758.37  642.8317454.12  606.9618046.43  597.64
18172.24  588.6218615.24   587.918729.53   578.918909.39  567.2319459.48  567.23
19633.12   570.519799.59  597.6419883.09  608.4419900.98  610.3520125.41  617.82
20539.68  624.1320949.46  623.2122937.36   615.923045.84   615.9 23261.9  617.19
23591.34  617.9824519.93  623.5424762.23  632.3626339.73  641.18 26699.7  645.37
27098.06  650.3827710.41  668.6227921.26  668.8228970.39  668.8229568.46  667.64
29826.24  667.6430366.61  658.8230590.37   653.730751.86  650.1930883.65  641.52
31023.56  641.6831300.33  650.8331603.19  653.3732636.89  664.3833262.19   668.9
34173.38  683.7434307.69  684.7134888.52  681.83 34921.2  682.0636421.38  702.34
37403.51  708.4537589.39  714.5437920.65  728.0937959.67   729.438248.27  737.97
38560.47  749.69 38709.3  754.7239438.24     79040093.32  795.8640423.67     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518046.43     .1519799.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18046.4319799.59                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505410.00   318864.80   1904140.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1505410.00   318864.80   1904140.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2502255.00   842794.10   3384951.00
  Top Width (ft)          37374.76    Top Width (ft)          16609.06    1753.16   19012.53
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.66       2.64       1.78
  Max Chl Dpth (ft)         192.47    Hydr. Depth (ft)           90.64     181.88     100.15
  Conv. Total (cfs)       808696400.0    Conv. (cfs)            300678200.0   101272600.0   406745600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16628.00    1756.44   19015.98
  Min Ch El (ft)            567.23    Shear (lb/sq ft)            0.39       0.78       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.65       2.07       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    37842.39    6926.66   44366.20
  C & E Loss (ft)             0.00    Cum SA (acres)            227.80      24.96     256.27


CROSS SECTION


RIVER: BRAZOS
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REACH: UPPER BRAZOS       RS: 274310.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  207.89  790.53  676.37  771.44 1424.97  760.33 1613.33  750.92
 1914.18  744.43  2090.6  741.17 2459.53  741.17 2811.71  738.77 3757.62  728.01
 3833.26  723.77 3929.39  718.83 3941.31  718.58 4153.72  715.21 4343.22  711.17
 4493.83  706.91 4655.54  701.98 5050.82  692.26 5532.57  686.89 5891.09  683.71
 6045.37  682.18 6213.24  673.18 6285.47  664.28 6668.06  663.89 7036.65   669.8
 7185.34  672.34 7417.63  654.68 7593.31  645.85 7668.46  637.02 7720.19  637.02
 7878.94  643.18 8108.54  653.27 8175.01  655.36 8311.65  663.19 8695.22   669.2
 8745.78   675.1 8908.96  693.36 9218.36  689.65 9233.23  688.14 9415.51  671.63
 9561.91  671.48 9830.31  688.8710014.78  688.6910208.03  670.8410404.57  665.91
10556.82  659.91   10575  659.4710669.68  641.8110847.31  615.3210907.82  615.32
10952.18  623.3711086.01  651.1811199.65  671.8111609.06   664.311776.05  660.06
11834.98  657.8112059.67  653.6912326.11  651.1412643.16  645.3213313.67  636.49
14857.88  636.4915112.04  635.3215765.39  635.3216268.04  644.1516331.48  652.98
16641.91  646.6116649.27  645.2916761.89  642.8917457.79  606.9818050.22  597.66
18176.17  588.6318619.65  587.9218734.07  578.9118914.12  567.2319464.46  567.23
19638.27  570.4919804.91  597.66 19888.4  608.4419906.28  610.3520130.69  617.78
20544.91   624.120954.64  623.1722942.31  615.8523050.78  615.8523266.81  617.14
23596.22  617.95 24524.7  623.5124766.97  632.3426344.29  641.1726704.22  645.36
27102.54  650.3827714.81  668.6327925.64  668.8328974.64  668.8329572.65  667.66
 29830.4  667.66 30370.7  658.8330594.44   653.730755.91  650.1930887.69  641.51
31027.58  641.6731304.32  650.8231607.14  653.3632640.72  664.3533265.95  668.87
34177.03  683.6534311.33  684.63 34892.1  681.8134924.77  682.0436424.77  702.26
37406.79  708.3837592.65  714.4737923.87  728.0137962.89  729.3338251.46  737.92
38563.62  749.6538712.44  754.6839441.29     79040096.29  795.8740426.61     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518050.22     .1519804.91     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18050.2219804.91                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505387.00   319127.30   1904462.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1505387.00   319127.30   1904462.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2501325.00   843287.50   3385388.00
  Top Width (ft)          37378.29    Top Width (ft)          16612.56    1754.69   19011.04
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.66       2.64       1.78
  Max Chl Dpth (ft)         192.47    Hydr. Depth (ft)           90.62     181.87     100.18
  Conv. Total (cfs)       808862100.0    Conv. (cfs)            300628100.0   101352600.0   406881400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16631.53    1757.98   19014.49
  Min Ch El (ft)            567.23    Shear (lb/sq ft)            0.39       0.78       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.65       2.07       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    37669.60    6890.05   44147.62
  C & E Loss (ft)             0.00    Cum SA (acres)            225.89      24.76     254.09


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274307.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  207.93  790.53  676.51  771.43 1425.27  760.32 1613.67  750.91
 1914.58  744.43 2091.04  741.16 2460.05  741.16  2812.3  738.76 3758.41  728.02
 3834.07  723.79 3930.22  718.84 3942.14  718.59  4154.6  715.21 4344.13  711.16
 4494.77   706.9 4656.52  701.96 5051.88  692.24 5533.73  686.88 5892.33  683.69
 6046.64  682.16 6214.55  673.15 6286.79  664.24 6669.46  663.85 7038.13  669.78
 7186.85  672.32 7419.19  654.64 7594.91   645.8 7670.08  636.96 7721.81  636.96
 7880.59  643.13 8110.24  653.22 8176.73  655.32  8313.4  663.16 8697.05  669.21
 8747.62  675.11 8910.84  693.42  9220.3  689.74 9235.17  688.23 9417.49   671.7
 9563.92  671.55 9832.38  688.9710016.88  688.7910210.17  670.9110406.75  665.99
10559.04     66010577.23  659.5610671.92  641.8810849.59  615.3610910.11  615.36
10954.48  623.4211088.34  651.23   11202  671.88 11611.5  664.3611778.52  660.13
11837.47  657.8912062.21  653.76 12328.7  651.1812645.81  645.3613316.47  636.52
   14861  636.5215115.22  635.3615768.71  635.3616271.45   644.216334.91  653.04
 16645.4  646.6616652.77  645.3516765.42  642.9517461.45  607.0118054.01  597.68
 18180.1  588.6418624.06  587.9418738.61  578.9218918.86  567.2319469.44  567.23
19643.42  570.4919810.23  597.68 19893.7  608.4419911.59  610.3420135.96  617.75
20550.14  624.0620959.83  623.1322947.27   615.823055.72   615.823271.73   617.1
 23601.1  617.9124529.47  623.4824771.71  632.3226348.85  641.1626708.74  645.36
27107.01  650.3827719.21  668.6427930.02  668.84 28978.9  668.8429576.84  667.68
29834.56  667.68 30374.8  658.8430598.51  653.7130759.96  650.1830891.73   641.5
 31031.6  641.6631308.31  650.81 31611.1  653.3532644.56  664.3233269.71  668.85
34180.69  683.5734314.97  684.5434895.67  681.7934928.34  682.0236428.17  702.17
37410.08   708.337595.91  714.4137927.09  727.9437966.11  729.2738254.64  737.87
38566.77   749.638715.57  754.6439444.34     79040099.27  795.8840429.54     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518054.01     .1519810.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18054.0119810.23                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505358.00   319388.40   1904790.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1505358.00   319388.40   1904790.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2500367.00   843776.90   3385857.00
  Top Width (ft)          37381.99    Top Width (ft)          16616.24    1756.22   19009.54
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.66       2.64       1.78
  Max Chl Dpth (ft)         192.47    Hydr. Depth (ft)           90.60     181.86     100.20
  Conv. Total (cfs)       809025200.0    Conv. (cfs)            300573500.0   101431900.0   407019800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16635.24    1759.51   19012.98
  Min Ch El (ft)            567.23    Shear (lb/sq ft)            0.39       0.78       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.65       2.07       0.77
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  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    37496.80    6853.40   43929.00
  C & E Loss (ft)            0.00    Cum SA (acres)            223.98      24.56     251.91


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274304.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  207.98  790.53  676.66  771.42 1425.56  760.32 1614.01   750.9
 1914.98  744.42 2091.48  741.15 2460.56  741.15  2812.9  738.75 3759.19  728.04
 3834.87   723.8 3931.04  718.85 3942.97   718.6 4155.47   715.2 4345.04  711.15
 4495.72  706.88  4657.5  701.94 5052.94  692.22 5534.89  686.86 5893.57  683.67
 6047.91  682.15 6215.85  673.13 6288.11   664.2 6670.86  663.82 7039.61  669.76
 7188.36   672.3 7420.75   654.6  7596.5  645.75 7671.69   636.9 7723.44   636.9
 7882.25  643.08 8111.95  653.16 8178.45  655.27 8315.14  663.13 8698.87  669.21
 8749.46  675.13 8912.71  693.48 9222.23  689.83 9237.11  688.32 9419.47  671.77
 9565.93  671.63 9834.44  689.0610018.99  688.8810212.32  670.9910408.94  666.06
10561.25  660.0910579.45  659.6510674.16  641.9510851.87   615.410912.41   615.4
10956.78  623.4711090.67  651.2711204.35  671.9511613.94  664.42   11781   660.2
11839.96  657.9612064.74  653.8312331.29  651.2312648.47   645.413319.27  636.55
14864.12  636.5515118.39   635.415772.02   635.416274.87  644.2516338.34   653.1
 16648.9  646.7216656.27  645.4216768.94  643.0117465.12  607.04 18057.8   597.7
18184.03  588.6518628.48  587.9618743.14  578.9318923.59  567.2319474.41  567.23
19648.57  570.4919815.54   597.719899.01  608.4419916.89  610.3420141.24  617.71
20555.38  624.0320965.01  623.0922952.22  615.7523060.66  615.7523276.65  617.05
23605.97  617.8824534.24  623.4524776.46   632.326353.41  641.1526713.26  645.35
27111.48  650.3827723.62  668.65 27934.4  668.8528983.16  668.8529581.03   667.7
29838.72   667.7 30378.9  658.8530602.58  653.7130764.01  650.1830895.76  641.48
31035.62  641.64 31312.3  650.8131615.05  653.3532648.39  664.2933273.48  668.82
34184.34  683.4834318.61  684.4534899.25  681.7734931.91     68236431.57  702.08
37413.36  708.2337599.18  714.3537930.32  727.8737969.33   729.238257.83  737.83
38569.92  749.56 38718.7   754.639447.39     79040102.24  795.8840432.48     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 18057.8     .1519815.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       18057.819815.54                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.75    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.70    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1505330.00   319647.10   1905116.00
  E.G. Slope (ft/ft)      0.000069   Area (sq ft)            1505330.00   319647.10   1905116.00
  Q Total (cfs)           6730000.00   Flow (cfs)              2499429.00   844258.90   3386312.00
  Top Width (ft)          37385.52   Top Width (ft)          16619.74    1757.74   19008.04
  Vel Total (ft/s)           1.80    Avg. Vel. (ft/s)            1.66       2.64       1.78
  Max Chl Dpth (ft)        192.47    Hydr. Depth (ft)           90.57     181.85     100.23
  Conv. Total (cfs)       809189200.0   Conv. (cfs)            300521700.0   101510400.0   407157100.0
  Length Wtd. (ft)           5.00    Wetted Per. (ft)        16638.77    1761.03   19011.49
  Min Ch El (ft)           567.23    Shear (lb/sq ft)            0.39       0.78       0.43
  Alpha                      1.07    Stream Power (lb/ft s)      0.65       2.07       0.77
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    37324.02    6816.72   43710.34
  C & E Loss (ft)            0.00    Cum SA (acres)            222.08      24.36     249.73


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274301.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  208.02  790.52   676.8  771.41 1425.86  760.32 1614.35   750.9
 1915.38  744.42 2091.92  741.14 2461.08  741.14 2813.49  738.74 3759.98  728.06
 3835.68  723.82 3931.87  718.86 3943.79   718.6 4156.34   715.2 4345.96  711.14
 4496.66  706.87 4658.47  701.93    5054   692.2 5536.06  686.85 5894.81  683.65
 6049.18  682.13 6217.16   673.1 6289.43  664.17 6672.26  663.79 7041.09  669.73
 7189.87  672.28 7422.31  654.56  7598.1   645.7  7673.3  636.84 7725.06  636.84
  7883.9  643.02 8113.65  653.11 8180.16  655.22 8316.89  663.11  8700.7  669.22
 8751.29  675.15 8914.58  693.53 9224.17  689.91 9239.05   688.4 9421.45  671.84
 9567.94   671.7 9836.51  689.1610021.09  688.9810214.46  671.0710411.13  666.13
10563.47  660.1810581.67  659.74 10676.4  642.0210854.15  615.44 10914.7  615.44
10959.08  623.52   11093  651.3211206.71  672.0211616.38  664.4811783.47  660.27
11842.44  658.0412067.28   653.912333.88  651.2812651.13  645.4413322.06  636.58
14867.25  636.5815121.57  635.4415775.33  635.4416278.29   644.316341.77  653.16
 16652.4  646.7716659.77  645.4816772.46  643.0717468.79  607.06 18061.6  597.72
18187.96  588.6618632.89  587.9718747.68  578.9418928.32  567.2319479.39  567.23
19653.72  570.4819820.86  597.7219904.32  608.44 19922.2  610.3420146.52  617.67
20560.61  623.99 20970.2  623.0522957.18   615.7 23065.6   615.723281.57     617
23610.86  617.8424539.01  623.42 24781.2  632.2826357.97  641.1426717.78  645.35
27115.96  650.3727728.02  668.6627938.78  668.8628987.42  668.8629585.22  667.72
29842.88  667.7230382.99  658.8630606.65  653.7130768.07  650.18 30899.8  641.47
31039.64  641.6331316.29   650.831619.01  653.3432652.23  664.2633277.24   668.8
   34188  683.3934322.25  684.3734902.82  681.7434935.48  681.9836434.96  701.99
37416.64  708.1637602.44  714.2937933.54   727.837972.55  729.1338261.02  737.78
38573.07  749.5138721.84  754.5639450.43     79040105.21  795.8940435.41     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 18061.6     .1519820.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       18061.619820.86                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.75    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1505296.00   319911.20   1905455.00
  E.G. Slope (ft/ft)      0.000069   Area (sq ft)            1505296.00   319911.20   1905455.00
```

```
  Q Total (cfs)           6730000.00    Flow (cfs)              2498459.00   844756.80   3386784.00
  Top Width (ft)          37389.04    Top Width (ft)          16623.23    1759.26   19006.55
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.66       2.64       1.78
  Max Chl Dpth (ft)         192.47    Hydr. Depth (ft)           90.55     181.84     100.25
  Conv. Total (cfs)       809359400.0    Conv. (cfs)             300468300.0   101591700.0   407299500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16642.29    1762.55   19009.99
  Min Ch El (ft)            567.23    Shear (lb/sq ft)            0.39       0.78       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.65       2.07       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    37151.23    6780.02   43491.64
  C & E Loss (ft)             0.00    Cum SA (acres)            220.17      24.16     247.55


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274298.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  208.06  790.52  676.94  771.39 1426.16  760.31 1614.69  750.89
 1915.78  744.41 2092.36  741.13  2461.6  741.13 2814.08  738.72 3760.77  728.07
 3836.48  723.83  3932.7  718.87 3944.62  718.61 4157.21  715.19 4346.87  711.13
 4497.61  706.85 4659.45  701.91 5055.07  692.18 5537.22  686.83 5896.04  683.64
 6050.45  682.11 6218.46  673.07 6290.75  664.13 6673.66  663.75 7042.57  669.71
 7191.38  672.26 7423.87  654.52 7599.69  645.65 7674.91  636.78 7726.68  636.78
 7885.56  642.97 8115.36  653.06 8181.88  655.18 8318.64  663.08 8702.53  669.23
 8753.13  675.16 8916.45  693.59 9226.11     690 9240.99  688.49 9423.42  671.91
 9569.95  671.77 9838.58  689.25 10023.2  689.0810216.61  671.1510413.31  666.21
10565.69  660.2710583.89  659.8310678.64  642.0910856.43  615.4810916.99  615.48
10961.38  623.5711095.33  651.3711209.06  672.0911618.82  664.5411785.94  660.33
11844.93  658.1212069.81  653.9812336.47  651.3212653.78  645.4813324.86  636.61
14870.37  636.6115124.74  635.4815778.64  635.4816281.71  644.35 16345.2  653.22
16655.89  646.8216663.27  645.5416775.98  643.1317472.46  607.0918065.39  597.74
18191.89  588.68 18637.3  587.9918752.22  578.9418933.06  567.2219484.37  567.22
19658.87  570.4819826.18  597.7419909.63  608.43 19927.5  610.33 20151.8  617.64
20565.84  623.9620975.38     62322962.13  615.6523070.54  615.6523286.48  616.95
23615.73   617.824543.79  623.3924785.95  632.2626362.54  641.13 26722.3  645.34
27120.43  650.3727732.42  668.6727943.15  668.8728991.68  668.8729589.41  667.74
29847.04  667.7430387.09  658.8730610.72  653.7230772.12  650.1830903.84  641.46
31043.66  641.6131320.28  650.7931622.96  653.3332656.06  664.23   33281  668.78
34191.66  683.3134325.89  684.2834906.39  681.7234939.05  681.9636438.36   701.9
37419.93  708.09 37605.7  714.2237936.77  727.7337975.77  729.06 38264.2  737.73
38576.22  749.4638724.97  754.5239453.48     79040108.19   795.940438.34     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518065.39     .1519826.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18065.3919826.18                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505282.00   320177.80   1905798.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1505282.00   320177.80   1905798.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2497503.00   845256.40   3387241.00
  Top Width (ft)          37392.74    Top Width (ft)          16626.91    1760.79   19005.04
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.66       2.64       1.78
  Max Chl Dpth (ft)         192.47    Hydr. Depth (ft)           90.53     181.84     100.28
  Conv. Total (cfs)       809535700.0    Conv. (cfs)             300418700.0   101673900.0   407443100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16646.00    1764.09   19008.48
  Min Ch El (ft)            567.22    Shear (lb/sq ft)            0.39       0.78       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.65       2.07       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    36978.45    6743.28   43272.91
  C & E Loss (ft)             0.00    Cum SA (acres)            218.26      23.96     245.36


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274295.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  208.11  790.51  677.08  771.38 1426.46  760.31 1615.03  750.88
 1916.19   744.4  2092.8  741.12 2462.11  741.12 2814.67  738.71 3761.56  728.09
 3837.29  723.85 3933.52  718.88 3945.45  718.62 4158.09  715.19 4347.78  711.12
 4498.55  706.84 4660.43  701.89 5056.13  692.16 5538.38  686.82 5897.28  683.62
 6051.72  682.09 6219.77  673.05 6292.07  664.09 6675.07  663.72 7044.04  669.69
 7192.89  672.24 7425.42  654.48 7601.29   645.6 7676.52  636.72  7728.3  636.72
 7887.22  642.92 8117.06     653  8183.6  655.13 8320.38  663.05 8704.36  669.24
 8754.97  675.18 8918.33  693.65 9228.04  690.09 9242.93  688.58  9425.4  671.99
 9571.96  671.85 9840.64  689.35 10025.3  689.1710218.75  671.23 10415.5  666.28
10567.91  660.3610586.12  659.9210680.89  642.1610858.71  615.5210919.28  615.52
10963.68  623.6211097.66  651.4111211.41  672.1611621.26   664.611788.42   660.4
11847.42  658.1912072.34  654.0512339.06  651.3712656.44  645.5213327.66  636.64
14873.49  636.6415127.92  635.5215781.96  635.5216285.13   644.416348.63  653.28
16659.39  646.8816666.77   645.616779.51  643.1917476.13  607.1118069.18  597.76
18195.82  588.6918641.72  588.0118756.76  578.9518937.79  567.2219489.35  567.22
19664.03  570.47 19831.5  597.7619914.93  608.4319932.81  610.3320157.08   617.6
20571.07  623.9220980.57  622.9622967.08   615.623075.49   615.6 23291.4   616.9
23620.61  617.7724548.56  623.3624790.69  632.24 26367.1  641.1226726.82  645.34
27124.91  650.3727736.83  668.6927947.53  668.8828995.93  668.88 29593.6  667.76
 29851.2  667.7630391.19  658.8830614.79  653.7230776.17  650.1830907.88  641.44
31047.68   641.631324.26  650.7931626.91  653.32 32659.9   664.233284.76  668.75
34195.32  683.2234329.54   684.234909.97   681.734942.62  681.9436441.76  701.82
37423.21  708.0237608.96  714.1637939.99  727.6637978.99  728.9938267.39  737.68
38579.37  749.4238728.11  754.4839456.53     79040111.16   795.940441.28     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518069.18     .15 19831.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18069.18 19831.5                5       5       5             .1       .3
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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505247.00   320440.60   1906110.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1505247.00   320440.60   1906110.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2496565.00   845756.90   3387679.00
  Top Width (ft)          37396.27    Top Width (ft)          16630.41    1762.32   19003.54
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.66       2.64       1.78
  Max Chl Dpth (ft)         192.47    Hydr. Depth (ft)           90.51     181.83     100.30
  Conv. Total (cfs)       809694500.0    Conv. (cfs)             300364700.0   101754000.0   407575700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16649.52    1765.62   19006.98
  Min Ch El (ft)            567.22    Shear (lb/sq ft)            0.39       0.78       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.65       2.07       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    36805.66    6706.52   43054.13
  C & E Loss (ft)             0.00    Cum SA (acres)            216.35      23.75     243.18


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274292.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  208.15  790.51  677.22  771.37 1426.76  760.31 1615.37  750.87
 1916.59   744.4 2093.24  741.11 2462.63  741.11 2815.26   738.7 3762.35  728.11
 3838.09  723.87 3934.35  718.89 3946.28  718.63 4158.96  715.18 4348.69  711.11
  4499.5  706.82 4661.41  701.87 5057.19  692.14 5539.54   686.8 5898.52   683.6
 6052.99  682.07 6221.08  673.02 6293.39  664.06 6676.47  663.69 7045.52  669.66
  7194.4  672.22 7426.98  654.44 7602.89  645.55 7678.13  636.66 7729.93  636.66
 7888.87  642.87 8118.76  652.95 8185.32  655.09 8322.13  663.02 8706.18  669.24
 8756.81   675.2  8920.2   693.7 9229.98  690.18 9244.87  688.67 9427.38  672.06
 9573.97  671.92 9842.71  689.44 10027.4  689.27 10220.9  671.3110417.69  666.36
10570.13  660.4510588.34  660.0110683.13  642.2310860.99  615.5610921.57  615.56
10965.99  623.6711099.99  651.4611213.77  672.23 11623.7  664.6711790.89  660.47
 11849.9  658.2712074.88  654.1212341.65  651.42 12659.1  645.5613330.46  636.67
14876.61  636.6715131.09  635.5615785.27  635.5616288.55  644.4516352.07  653.34
16662.89  646.9316670.27  645.6716783.03  643.2517479.79  607.1418072.98  597.78
18199.75   588.718646.13  588.0318761.29  578.9618942.53  567.2219494.33  567.22
19669.18  570.4719836.81  597.7819920.24  608.4319938.11  610.3320162.36  617.56
 20576.3  623.8920985.75  622.9222972.04  615.5523080.43  615.5523296.32  616.85
23625.49  617.7324553.33  623.3324795.43  632.2226371.66  641.1126731.34  645.33
27129.38  650.3627741.23   668.727951.91  668.8929000.19  668.8929597.79  667.78
29855.36  667.7830395.28  658.8930618.86  653.7330780.22  650.1830911.91  641.43
31051.71  641.5831328.25  650.7831630.87  653.3232663.73  664.1733288.53  668.73
34198.97  683.1334333.18  684.1134913.54  681.6834946.19  681.9236445.16  701.73
 37426.5  707.9537612.23   714.137943.21  727.5937982.21  728.9238270.58  737.64
38582.52  749.3738731.24  754.4439459.58     79040114.13  795.9140444.21     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518072.98     .1519836.81     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18072.9819836.81                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505216.00   320698.10   1906442.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1505216.00   320698.10   1906442.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2495617.00   846234.10   3388149.00
  Top Width (ft)          37399.78    Top Width (ft)          16633.91    1763.83   19002.04
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.66       2.64       1.78
  Max Chl Dpth (ft)         192.47    Hydr. Depth (ft)           90.49     181.82     100.33
  Conv. Total (cfs)       809859600.0    Conv. (cfs)             300311900.0   101832200.0   407715500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16653.05    1767.13   19005.48
  Min Ch El (ft)            567.22    Shear (lb/sq ft)            0.39       0.78       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.65       2.06       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    36632.89    6669.72   42835.32
  C & E Loss (ft)             0.00    Cum SA (acres)            214.44      23.55     241.00


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274290.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  208.19   790.5  677.37  771.36 1427.06  760.31 1615.71  750.86
 1916.99  744.39 2093.68   741.1 2463.15   741.1 2815.85  738.69 3763.14  728.13
  3838.9  723.88 3935.17   718.9 3947.11  718.64 4159.83  715.18 4349.61   711.1
 4500.44  706.81 4662.39  701.86 5058.25  692.12 5540.71  686.79 5899.76  683.58
 6054.26  682.05 6222.38  672.99 6294.71  664.02 6677.87  663.65    7047  669.64
 7195.91   672.2 7428.54   654.4 7604.48   645.5 7679.74   636.6 7731.55   636.6
 7890.53  642.81 8120.47   652.9 8187.04  655.04 8323.88     663 8708.01  669.25
 8758.64  675.22 8922.07  693.76 9231.92  690.27 9246.81  688.76 9429.36  672.13
 9575.98  671.99 9844.77  689.5410029.51  689.3710223.04  671.3810419.87  666.43
10572.35  660.5410590.56   660.110685.37   642.310863.26   615.610923.87   615.6
10968.29  623.7211102.32  651.5111216.12   672.311626.14  664.7311793.37  660.54
11852.39  658.3512077.41  654.1912344.24  651.4612661.75   645.613333.25   636.7
14879.74   636.715134.27   635.615788.58   635.616291.96   644.5 16355.5   653.4
16666.38  646.9816673.76  645.7316786.55  643.3117483.46  607.1718076.77   597.8
18203.68  588.7118650.54  588.0418765.83  578.9718947.26  567.2219499.31  567.22
19674.33  570.4619842.13   597.819925.55  608.4319943.42  610.3220167.64  617.53
20581.53  623.8520990.93  622.8822976.99   615.523085.37   615.523301.23   616.8
23630.37  617.69 24558.1   623.324800.18   632.226376.22   641.126735.86  645.32
27133.85  650.3627745.63  668.7127956.29   668.929004.45   668.929601.97   667.8
29859.51   667.830399.38   658.930622.93  653.7330784.27  650.1830915.95  641.42
31055.73  641.5731332.24  650.7731634.82  653.3132667.57  664.1533292.29   668.7
34202.63  683.0534336.82  684.0334917.12  681.6634949.76   681.936448.55  701.64
37429.78  707.8837615.49  714.0337946.44  727.5237985.43  728.8538273.76  737.59
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38585.67  749.3338734.37   754.439462.63     79040117.11  795.9240447.15     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518076.77     .1519842.13     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18076.7719842.13                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505182.00   320963.70   1906770.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1505182.00   320963.70   1906770.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2494658.00   846738.40   3388604.00
  Top Width (ft)          37403.30    Top Width (ft)          16637.41    1765.36   19000.53
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.66       2.64       1.78
  Max Chl Dpth (ft)         192.47    Hydr. Depth (ft)           90.47     181.81     100.35
  Conv. Total (cfs)       810026200.0    Conv. (cfs)            300258300.0   101913900.0   407854000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16656.58    1768.67   19003.97
  Min Ch El (ft)            567.22    Shear (lb/sq ft)            0.39       0.78       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.65       2.06       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    36460.11    6632.89   42616.48
  C & E Loss (ft)             0.00    Cum SA (acres)            212.53      23.35     238.82


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274287.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  208.24   790.5  677.51  771.34 1427.36   760.3 1616.05  750.86
 1917.39  744.38 2094.12  741.09 2463.66  741.09 2816.44  738.67 3763.93  728.14
 3839.71   723.9    3936  718.91 3947.94  718.65 4160.71  715.17 4350.52  711.09
 4501.39  706.79 4663.37  701.84 5059.31   692.1 5541.87  686.77    5901  683.56
 6055.53  682.03 6223.69  672.96 6296.03  663.98 6679.27  663.62 7048.48  669.62
 7197.42  672.18  7430.1  654.36 7606.08  645.45 7681.36  636.54 7733.17  636.54
 7892.18  642.76 8122.17  652.85 8188.75     655 8325.62  662.97 8709.84  669.26
 8760.48  675.23 8923.94  693.82 9233.86  690.36 9248.75  688.85 9431.34   672.2
 9577.99  672.06 9846.84  689.6310031.61  689.4610225.19  671.4610422.06  666.51
10574.57  660.6310592.78  660.1910687.61  642.3710865.54  615.6410926.16  615.64
10970.59  623.7711104.65  651.5511218.47  672.3711628.58  664.7911795.84  660.61
11854.88  658.4312079.95  654.2612346.83  651.5112664.41  645.6413336.05  636.73
14882.86  636.7315137.44  635.64 15791.9  635.6416295.38  644.5516358.93  653.46
16669.88  647.0316677.26  645.7916790.07  643.3717487.13  607.1918080.56  597.82
18207.61  588.7218654.96  588.0618770.37  578.9818951.99  567.2219504.29  567.22
19679.48  570.4619847.45  597.8219930.86  608.4319948.72  610.3220172.92  617.49
20586.76  623.8220996.12  622.8422981.95  615.4523090.31  615.4523306.15  616.76
23635.25  617.6624562.87  623.2724804.92  632.1826380.78  641.0926740.38  645.32
27138.33  650.3627750.04  668.7227960.67  668.9129008.71  668.9129606.16  667.82
29863.67  667.8230403.48  658.91   30627  653.7330788.33  650.1730919.98  641.41
31059.75  641.5631336.23  650.7631638.77   653.3 32671.4  664.1233296.05  668.68
34206.29  682.9634340.46  683.9434920.69  681.6434953.33  681.8836451.95  701.55
37433.06   707.837618.75  713.9737949.66  727.4537988.65  728.7838276.95  737.54
38588.82  749.28 38737.5  754.3639465.68     79040120.08  795.9240450.09     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518080.56     .1519847.45     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18080.5619847.45                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505170.00   321224.00   1907098.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1505170.00   321224.00   1907098.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2493734.00   847217.70   3389048.00
  Top Width (ft)          37406.98    Top Width (ft)          16641.07    1766.89   18999.02
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.66       2.64       1.78
  Max Chl Dpth (ft)         192.47    Hydr. Depth (ft)           90.45     181.80     100.38
  Conv. Total (cfs)       810195600.0    Conv. (cfs)            300209800.0   101992900.0   407992900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16660.28    1770.20   19002.46
  Min Ch El (ft)            567.22    Shear (lb/sq ft)            0.39       0.78       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.64       2.06       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    36287.34    6596.04   42397.59
  C & E Loss (ft)             0.00    Cum SA (acres)            210.62      23.15     236.64


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274284.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  208.28  790.49  677.65  771.33 1427.66   760.3 1616.39  750.85
  1917.8  744.38 2094.55  741.08 2464.18  741.08 2817.03  738.66 3764.72  728.16
 3840.51  723.91 3936.82  718.92 3948.76  718.66 4161.58  715.16 4351.43  711.08
 4502.33  706.78 4664.34  701.82 5060.37  692.08 5543.03  686.76 5902.23  683.54
  6056.8  682.01 6224.99  672.94 6297.35  663.95 6680.67  663.59 7049.96   669.6
 7198.93  672.16 7431.66  654.32 7607.67   645.4 7682.97  636.48 7734.79  636.48
 7893.84  642.71 8123.88  652.79 8190.47  654.95 8327.37  662.94 8711.67  669.26
 8762.32  675.25 8925.81  693.87 9235.79  690.44 9250.69  688.93 9433.32  672.27
    9580  672.14  9848.9  689.7310033.72  689.5610227.33  671.5410424.25  666.58
10576.78  660.72   10595  660.2810689.86  642.4410867.82  615.6810928.45  615.68
10972.89  623.8111106.98   651.611220.83  672.4411631.02  664.8511798.32  660.67
11857.36   658.512082.48  654.3412349.42  651.5612667.07  645.6813338.85  636.76
14885.98  636.7615140.62  635.6815795.21  635.68 16298.8   644.616362.36  653.52
16673.38  647.0916680.76  645.8516793.59  643.43 17490.8  607.2218084.36  597.84
18211.54  588.7318659.37  588.0818774.91  578.9918956.73  567.2219509.27  567.22
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19684.63  570.4619852.76  597.8419936.16  608.4319954.03  610.32 20178.2  617.45
   20592  623.78 21001.3   622.8 22986.9   615.423095.26   615.423311.07  616.71
23640.13  617.6224567.64  623.2424809.67  632.1626385.34  641.08 26744.9  645.31
 27142.8  650.3527754.44  668.7327965.05  668.9229012.96  668.9229610.35  667.84
29867.83  667.8430407.57  658.9230631.07  653.7430792.38  650.1730924.02  641.39
31063.77  641.5431340.22  650.7631642.73  653.2932675.23  664.0933299.81  668.66
34209.94  682.88 34344.1  683.8634924.27  681.62 34956.9  681.8636455.35  701.46
37436.35  707.7337622.02  713.9137952.89  727.3837991.87  728.7238280.14  737.49
38591.97  749.2438740.64  754.3239468.73     79040123.05  795.9340453.02     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518084.36     .1519852.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18084.3619852.76                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505134.00   321481.60   1907430.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1505134.00   321481.60   1907430.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2492780.00   847695.90   3389524.00
  Top Width (ft)          37410.50    Top Width (ft)          16644.58    1768.40   18997.53
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.66       2.64       1.78
  Max Chl Dpth (ft)         192.47    Hydr. Depth (ft)           90.43     181.79     100.40
  Conv. Total (cfs)       810359100.0    Conv. (cfs)             300155600.0   102071000.0   408132500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16663.81    1771.71   19000.96
  Min Ch El (ft)            567.22    Shear (lb/sq ft)            0.39       0.78       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.64       2.06       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    36114.57    6559.15   42178.67
  C & E Loss (ft)             0.00    Cum SA (acres)            208.71      22.94     234.46


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274281.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  208.33  790.49  677.79  771.32 1427.96   760.3 1616.72  750.84
  1918.2  744.37 2094.99  741.07  2464.7  741.07 2817.62  738.65 3765.51  728.18
 3841.32  723.93 3937.65  718.93 3949.59  718.67 4162.45  715.16 4352.34  711.07
 4503.27  706.76 4665.32  701.81 5061.43  692.06 5544.19  686.74 5903.47  683.53
 6058.07     682  6226.3  672.91 6298.67  663.91 6682.07  663.55 7051.44  669.57
 7200.44  672.14 7433.22  654.28 7609.27  645.35 7684.58  636.42 7736.42  636.42
 7895.49  642.65 8125.58  652.74 8192.19   654.9 8329.12  662.92 8713.49  669.27
 8764.16  675.27 8927.69  693.93 9237.73  690.53 9252.63  689.02  9435.3  672.34
    9582  672.21 9850.97  689.8210035.82  689.6610229.48  671.6210426.43  666.66
   10579  660.8110597.23  660.37 10692.1  642.51 10870.1  615.7210930.74  615.72
10975.19  623.8611109.31  651.6511223.18  672.5111633.46  664.9111800.79  660.74
11859.85  658.5812085.01  654.4112352.01   651.612669.72  645.7213341.65  636.79
 14889.1  636.79 15143.8  635.7215798.52  635.7216302.22  644.6516365.79  653.58
16676.88  647.1416684.26  645.9216797.12  643.4917494.47  607.2418088.15  597.86
18215.47  588.7518663.78   588.118779.45     57918961.46  567.2219514.25  567.22
19689.78  570.4519858.08  597.8619941.47  608.4219959.33  610.3220183.48  617.42
20597.23  623.7521006.49  622.7522991.86  615.35 23100.2  615.3523315.99  616.66
23645.01  617.5824572.42  623.2124814.41  632.14 26389.9  641.0726749.42  645.31
27147.28  650.3527758.84  668.7527969.43  668.9329017.22  668.9329614.54  667.86
29871.99  667.8630411.67  658.9330635.14  653.7430796.43  650.1730928.06  641.38
31067.79  641.5331344.21  650.7531646.68  653.2932679.07  664.0633303.57  668.63
 34213.6  682.7934347.75  683.7734927.84   681.634960.47  681.8436458.75  701.37
37439.63  707.6637625.28  713.8537956.11  727.3137995.09  728.6538283.32  737.45
38595.12  749.1938743.77  754.2839471.78     79040126.02  795.9440455.95     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518088.15     .1519858.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18088.1519858.08                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505108.00   321741.10   1907763.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1505108.00   321741.10   1907763.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2491839.00   848172.00   3389989.00
  Top Width (ft)          37414.01    Top Width (ft)          16648.07    1769.93   18996.01
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.66       2.64       1.78
  Max Chl Dpth (ft)         192.47    Hydr. Depth (ft)           90.41     181.78     100.43
  Conv. Total (cfs)       810527000.0    Conv. (cfs)             300104400.0   102149500.0   408273100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16667.33    1773.24   18999.44
  Min Ch El (ft)            567.22    Shear (lb/sq ft)            0.39       0.78       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.64       2.06       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    35941.81    6522.23   41959.71
  C & E Loss (ft)             0.00    Cum SA (acres)            206.80      22.74     232.28


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274278.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  208.37  790.48  677.93  771.31 1428.26  760.29 1617.06  750.83
  1918.6  744.36 2095.43  741.06 2465.22  741.06 2818.21  738.63  3766.3  728.19
 3842.12  723.94 3938.48  718.94 3950.42  718.68 4163.32  715.15 4353.26  711.06
 4504.22  706.75  4666.3  701.79  5062.5  692.04 5545.36  686.73 5904.71  683.51
 6059.34  681.98  6227.6  672.88    6300  663.88 6683.47  663.52 7052.92  669.55
 7201.95  672.12 7434.78  654.24 7610.86   645.3 7686.19  636.36 7738.04  636.36
 7897.15   642.6 8127.28  652.69 8193.91  654.86 8330.86  662.89 8715.32  669.28
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    8766  675.28 8929.56  693.99 9239.67  690.62 9254.57  689.11 9437.28  672.42
 9584.01  672.28 9853.04  689.9210037.93  689.7510231.62   671.710428.62  666.73
10581.22   660.910599.45  660.4610694.34  642.5810872.38  615.7610933.04  615.76
10977.49  623.9111111.63  651.6911225.53  672.58 11635.9  664.9711803.27  660.81
11862.34  658.6612087.55  654.48 12354.6  651.6512672.38  645.7613344.45  636.82
14892.22  636.8215146.97  635.7615801.83  635.7616305.64   644.716369.23  653.64
16680.37  647.1916687.76  645.9816800.64  643.5517498.14  607.2718091.94  597.88
 18219.4  588.76 18668.2  588.1218783.98  579.01 18966.2  567.2219519.23  567.22
19694.94  570.45 19863.4  597.8819946.78  608.4219964.64  610.3120188.76  617.38
20602.46  623.7121011.67  622.7122996.81   615.323105.14   615.3 23320.9  616.61
23649.89  617.5524577.19  623.1824819.15  632.1226394.47  641.0626753.94   645.3
27151.75  650.3527763.25  668.7627973.81  668.9429021.48  668.9429618.73  667.88
29876.15  667.8830415.77  658.9430639.21  653.7530800.48  650.17 30932.1  641.37
31071.81  641.51 31348.2  650.7431650.63  653.28 32682.9  664.0333307.34  668.61
34217.26   682.734351.39  683.6934931.41  681.5834964.04  681.8236462.14  701.29
37442.91  707.5937628.54  713.7837959.34  727.24 37998.3  728.5838286.51   737.4
38598.27  749.15 38746.9  754.2439474.82     790   40129  795.9440458.89     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518091.94     .15 19863.4     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18091.94 19863.4                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505081.00   322002.30   1908081.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1505081.00   322002.30   1908081.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2490901.00   848661.50   3390438.00
  Top Width (ft)          37417.70    Top Width (ft)          16651.75    1771.46   18994.49
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.65       2.64       1.78
  Max Chl Dpth (ft)         192.47    Hydr. Depth (ft)           90.39     181.77     100.45
  Conv. Total (cfs)       810688300.0    Conv. (cfs)             300051100.0   102228800.0   408408300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16671.04    1774.77   18997.92
  Min Ch El (ft)            567.22    Shear (lb/sq ft)            0.39       0.78       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.64       2.06       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    35769.05    6485.29   41740.71
  C & E Loss (ft)             0.00    Cum SA (acres)            204.89      22.54     230.10


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274275.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  208.41  790.48  678.08  771.29 1428.56  760.29  1617.4  750.83
    1919  744.36 2095.87  741.05 2465.73  741.05  2818.8  738.62 3767.09  728.21
 3842.93  723.96  3939.3  718.95 3951.25  718.69  4164.2  715.15 4354.17  711.05
 4505.16  706.73 4667.28  701.77 5063.56  692.02 5546.52  686.71 5905.95  683.49
 6060.61  681.96 6228.91  672.85 6301.32  663.84 6684.87  663.49 7054.39  669.53
 7203.46   672.1 7436.34   654.2 7612.46  645.25  7687.8   636.3 7739.66   636.3
  7898.8  642.55 8128.99  652.63 8195.62  654.81 8332.61  662.86 8717.15  669.28
 8767.83   675.3 8931.43  694.04  9241.6  690.71 9256.51   689.2 9439.25  672.49
 9586.02  672.36  9855.1  690.0110040.03  689.8510233.77  671.78 10430.8  666.81
10583.44  660.9910601.67  660.5510696.58  642.6510874.66   615.810935.33   615.8
10979.79  623.9611113.96  651.7411227.89  672.6511638.34  665.0311805.74  660.88
11864.83  658.7312090.08  654.5512357.19   651.712675.04   645.813347.24  636.85
14895.35  636.8515150.15   635.815805.15   635.816309.06  644.7516372.66   653.7
16683.87  647.2416691.26  646.0416804.16  643.6217501.81  607.2918095.73   597.9
18223.33  588.7718672.61  588.1318788.52  579.0218970.93  567.2219524.21  567.22
19700.09  570.4419868.71   597.919952.08  608.4219969.95  610.3120194.04  617.34
20607.69  623.6821016.86  622.6723001.77  615.2523110.08  615.2523325.82  616.56
23654.77  617.5124581.96  623.15 24823.9   632.126399.03  641.0526758.46   645.3
27156.22  650.3427767.65  668.7727978.19  668.9529025.74  668.9529622.92   667.9
29880.31   667.930419.86  658.9530643.29  653.7530804.53  650.1730936.13  641.35
31075.83   641.531352.19  650.7431654.59  653.2732686.74     664 33311.1  668.58
34220.91  682.6234355.03   683.634934.99  681.5634967.61   681.836465.54   701.2
 37446.2  707.52 37631.8  713.7237962.56  727.1738001.53  728.51 38289.7  737.35
38601.42   749.138750.04   754.239477.88     79040131.97  795.9540461.82     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518095.73     .1519868.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18095.7319868.71                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505050.00   322265.70   1908419.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1505050.00   322265.70   1908419.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2489942.00   849154.70   3390904.00
  Top Width (ft)          37421.20    Top Width (ft)          16655.24    1772.98   18992.99
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.65       2.63       1.78
  Max Chl Dpth (ft)         192.47    Hydr. Depth (ft)           90.36     181.76     100.48
  Conv. Total (cfs)       810858800.0    Conv. (cfs)             299998700.0   102309700.0   408550300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16674.55    1776.30   18996.42
  Min Ch El (ft)            567.22    Shear (lb/sq ft)            0.39       0.78       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.64       2.06       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    35596.29    6448.31   41521.67
  C & E Loss (ft)             0.00    Cum SA (acres)            202.98      22.33     227.92


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274272.*

INPUT
Description:
Station Elevation Data    num=     120
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```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  208.46  790.48  678.22  771.28 1428.86  760.29 1617.74  750.82
  1919.4  744.35 2096.31  741.04 2466.25  741.04 2819.39  738.61 3767.88  728.23
 3843.73  723.97 3940.13  718.96 3952.08   718.7 4165.07  715.14 4355.08  711.04
 4506.11  706.72 4668.26  701.76 5064.62     692 5547.68   686.7 5907.19  683.47
 6061.88  681.94 6230.21  672.83 6302.64   663.8 6686.28  663.45 7055.87   669.5
 7204.97  672.08 7437.89  654.16 7614.05   645.2 7689.41  636.24 7741.28  636.24
 7900.46  642.49 8130.69  652.58 8197.34  654.77 8334.36  662.83 8718.97  669.29
 8769.67  675.32  8933.3   694.1 9243.54   690.8 9258.45  689.29 9441.23  672.56
 9588.03  672.43 9857.17  690.1110042.14  689.9510235.91  671.8510432.99  666.88
10585.66  661.0810603.89  660.6410698.82  642.7210876.94  615.8410937.62  615.84
 10982.1  624.0111116.29  651.7911230.24  672.7211640.78   665.111808.21  660.95
11867.31  658.8112092.62  654.6312359.78  651.7412677.69  645.8413350.04  636.88
14898.47  636.8815153.32  635.8415808.46  635.8416312.48   644.816376.09  653.76
16687.37   647.316694.76   646.116807.68  643.6817505.47  607.3218099.53  597.92
18227.26  588.7818677.02  588.1518793.06  579.0318975.66  567.2119529.18  567.21
19705.24  570.4419874.03  597.9219957.39  608.4219975.25  610.3120199.32  617.31
20612.92  623.6421022.04  622.6323006.72   615.223115.03   615.223330.74  616.51
23659.64  617.4824586.73  623.1224828.64  632.0826403.59  641.0426762.98  645.29
 27160.7  650.3427772.05  668.7827982.56  668.96   29030  668.9629627.11  667.92
29884.47  667.9230423.96  658.9630647.36  653.7630808.59  650.1730940.17  641.34
31079.85  641.4831356.17  650.7331658.54  653.2632690.57  663.9733314.86  668.56
34224.57  682.5334358.67  683.5234938.56  681.5434971.18  681.7836468.94  701.11
37449.48  707.4537635.06  713.6637965.79   727.138004.75  728.4438292.88   737.3
38604.57  749.0538753.17  754.1639480.92     79040134.95  795.9640464.76     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518099.53     .1519874.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18099.5319874.03                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1505016.00   322531.80   1908745.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1505016.00   322531.80   1908745.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2488984.00   849664.10   3391353.00
  Top Width (ft)          37424.71    Top Width (ft)          16658.74    1774.50   18991.47
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.65       2.63       1.78
  Max Chl Dpth (ft)         192.48    Hydr. Depth (ft)           90.34     181.76     100.51
  Conv. Total (cfs)       811025200.0    Conv. (cfs)            299944800.0   102392100.0   408688300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16678.09    1777.82   18994.90
  Min Ch El (ft)            567.21    Shear (lb/sq ft)            0.39       0.78       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.64       2.05       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    35423.54    6411.31   41302.60
  C & E Loss (ft)             0.00    Cum SA (acres)            201.07      22.13     225.74


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274269.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   208.5  790.47  678.36  771.27 1429.16  760.29 1618.08  750.81
 1919.81  744.35 2096.75  741.03 2466.77  741.03 2819.99   738.6 3768.67  728.25
 3844.54  723.99 3940.95  718.97 3952.91  718.71 4165.94  715.14    4356  711.03
 4507.05   706.7 4669.24  701.74 5065.68  691.99 5548.84  686.69 5908.42  683.45
 6063.15  681.92 6231.52   672.8 6303.96  663.77 6687.68  663.42 7057.35  669.48
 7206.48  672.06 7439.45  654.12 7615.65  645.15 7691.02  636.18  7742.9  636.18
 7902.12  642.44 8132.39  652.53 8199.06  654.72  8336.1  662.81  8720.8   669.3
 8771.51  675.34 8935.17  694.16 9245.48  690.89 9260.39  689.38 9443.21  672.63
 9590.04   672.5 9859.23   690.210044.24  690.0410238.06  671.9310435.18  666.96
10587.88  661.1710606.11  660.7310701.07  642.7910879.22  615.8810939.91  615.88
 10984.4  624.0611118.62  651.8311232.59  672.7911643.21  665.1611810.69  661.01
 11869.8  658.8912095.15   654.712362.37  651.7912680.35  645.8813352.84  636.91
14901.59  636.91 15156.5  635.8815811.77  635.8816315.89  644.8516379.52  653.82
16690.87  647.3516698.25  646.1716811.21  643.7417509.14  607.3518103.32  597.94
18231.19  588.7918681.44  588.17 18797.6  579.04 18980.4  567.2119534.16  567.21
19710.39  570.4419879.35  597.94 19962.7  608.4219980.55   610.3 20204.6  617.27
20618.15  623.6121027.22  622.5923011.68  615.1523119.97  615.1523335.65  616.46
23664.52  617.44 24591.5  623.0924833.38  632.0626408.15  641.03 26767.5  645.29
27165.17  650.3427776.46  668.7927986.94  668.9729034.25  668.9729631.29  667.94
29888.63  667.9430428.05  658.9730651.43  653.7630812.64  650.1630944.21  641.33
31083.87  641.4731360.16  650.72 31662.5  653.2632694.41  663.9433318.62  668.54
34228.23  682.4434362.31  683.4334942.14  681.5234974.75  681.7636472.33  701.02
37452.77  707.3737638.32  713.5937969.01  727.0338007.96  728.3738296.07  737.25
38607.72  749.01 38756.3  754.1239483.97     79040137.92  795.96 40467.7     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518103.32     .1519879.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18103.3219879.35                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504968.00   322792.30   1909077.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1504968.00   322792.30   1909077.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2488008.00   850150.60   3391842.00
  Top Width (ft)          37428.21    Top Width (ft)          16662.23    1776.03   18989.94
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.65       2.63       1.78
  Max Chl Dpth (ft)         192.48    Hydr. Depth (ft)           90.32     181.75     100.53
  Conv. Total (cfs)       811186800.0    Conv. (cfs)            299886900.0   102471200.0   408828700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16681.61    1779.35   18993.38
  Min Ch El (ft)            567.21    Shear (lb/sq ft)            0.39       0.78       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.64       2.05       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    35250.79    6374.27   41083.48
  C & E Loss (ft)             0.00    Cum SA (acres)            199.15      21.93     223.56


CROSS SECTION
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RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274266.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  208.54  790.47   678.5  771.26 1429.46  760.28 1618.42   750.8
 1920.21  744.34 2097.19  741.02 2467.28  741.02 2820.58  738.58 3769.46  728.26
 3845.34  724.01 3941.78  718.98 3953.73  718.72 4166.82  715.13 4356.91  711.02
    4508  706.69 4670.21  701.72 5066.74  691.97 5550.01  686.67 5909.66  683.43
 6064.42   681.9 6232.83  672.77 6305.28  663.73 6689.08  663.39 7058.83  669.46
 7207.99  672.04 7441.01  654.08 7617.25   645.1 7692.64  636.12 7744.53  636.12
 7903.77  642.39  8134.1  652.48 8200.78  654.67 8337.85  662.78 8722.63   669.3
 8773.35  675.35 8937.05  694.21 9247.42  690.98 9262.33  689.47 9445.19   672.7
 9592.05  672.57  9861.3   690.310046.34  690.14 10240.2  672.0110437.36  667.03
10590.09  661.2710608.34  660.8210703.31  642.86 10881.5  615.92 10942.2  615.92
 10986.7  624.1111120.95  651.8811234.95  672.8611645.65  665.2211813.16  661.08
11872.29  658.9612097.69  654.7712364.96  651.8412683.01  645.9213355.64  636.94
14904.71  636.9415159.67  635.9215815.09  635.9216319.31   644.916382.95  653.88
16694.36   647.416701.75  646.2316814.73   643.817512.81  607.3718107.11  597.96
18235.12   588.818685.85  588.1918802.14  579.0518985.13  567.2119539.14  567.21
19715.54  570.4319884.67  597.9619968.01  608.4219985.86   610.320209.88  617.24
20623.38  623.5721032.41  622.5523016.63   615.123124.91   615.123340.57  616.42
 23669.4   617.424596.27  623.0624838.13  632.0426412.71  641.0226772.02  645.28
27169.65  650.3327780.86   668.827991.32  668.9829038.51  668.9829635.48  667.96
29892.79  667.9630432.15  658.98 30655.5  653.7630816.69  650.1630948.24  641.32
31087.89  641.4631364.15  650.7131666.45  653.2532698.24  663.9133322.38  668.51
34231.88  682.3634365.95  683.3434945.71   681.534978.32  681.7436475.73  700.93
37456.05   707.337641.59  713.5337972.23  726.9638011.18   728.338299.25  737.21
38610.87  748.9638759.43  754.0839487.02     79040140.89  795.9740470.63     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518107.11     .1519884.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18107.1119884.67                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504959.00   323054.90   1909413.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1504959.00   323054.90   1909413.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2487079.00   850631.40   3392290.00
  Top Width (ft)          37431.89    Top Width (ft)          16665.91    1777.56   18988.42
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.65       2.63       1.78
  Max Chl Dpth (ft)         192.48    Hydr. Depth (ft)           90.30     181.74     100.56
  Conv. Total (cfs)       811361000.0    Conv. (cfs)             299839300.0   102551100.0   408970600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16685.32    1780.89   18991.85
  Min Ch El (ft)            567.21    Shear (lb/sq ft)            0.39       0.78       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.64       2.05       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    35078.04    6337.20   40864.33
  C & E Loss (ft)             0.00    Cum SA (acres)            197.24      21.72     221.38


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274263.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  208.59  790.46  678.64  771.25 1429.76  760.28 1618.76  750.79
 1920.61  744.33 2097.63  741.01  2467.8  741.01 2821.17  738.57 3770.25  728.28
 3846.15  724.02  3942.6  718.99 3954.56  718.73 4167.69  715.13 4357.82  711.01
 4508.94  706.67 4671.19  701.71  5067.8  691.95 5551.17  686.66  5910.9  683.41
 6065.69  681.88 6234.13  672.75  6306.6  663.69 6690.48  663.35 7060.31  669.44
  7209.5  672.02 7442.57  654.04 7618.84  645.05 7694.25  636.06 7746.15  636.06
 7905.43  642.34  8135.8  652.42  8202.5  654.63  8339.6  662.75 8724.46  669.31
 8775.18  675.37 8938.92  694.27 9249.35  691.06 9264.27  689.55 9447.17  672.77
 9594.06  672.65 9863.36   690.410048.45  690.2410242.35  672.0910439.55  667.11
10592.31  661.3610610.56  660.9110705.55  642.9310883.78  615.96 10944.5  615.96
   10989  624.1611123.28  651.93 11237.3  672.9311648.09  665.2811815.64  661.15
11874.77  659.0412100.22  654.8412367.55  651.8812685.67  645.9613358.43  636.97
14907.83  636.9715162.85  635.96 15818.4  635.9616322.73  644.9516386.38  653.94
16697.86  647.4616705.25  646.2916818.25  643.8617516.48   607.418110.91  597.98
18239.05  588.8218690.26   588.218806.67  579.0618989.87  567.2119544.12  567.21
19720.69  570.4319889.98  597.9819973.31  608.4119991.17   610.320215.15   617.2
20628.62  623.5421037.59   622.523021.59  615.0523129.85  615.0523345.49  616.37
23674.28  617.3724601.05  623.0324842.87  632.0226417.27  641.0126776.54  645.28
27174.12  650.3327785.26  668.82 27995.7  668.9929042.77  668.9929639.67  667.98
29896.95  667.9830436.25  658.9930659.57  653.7730820.74  650.1630952.28   641.3
31091.91  641.4431368.14  650.71 31670.4  653.2432702.07  663.8833326.15  668.49
34235.54  682.2734369.59  683.2634949.29  681.4834981.89  681.7236479.13  700.85
37459.34  707.2337644.85  713.4737975.46  726.89 38014.4  728.2338302.44  737.16
38614.02  748.9238762.57  754.0439490.07     79040143.86  795.9840473.57     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518110.91     .1519889.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18110.9119889.98                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504922.00   323312.00   1909727.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1504922.00   323312.00   1909727.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2486144.00   851113.90   3392742.00
  Top Width (ft)          37435.40    Top Width (ft)          16669.42    1779.07   18986.91
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.65       2.63       1.78
  Max Chl Dpth (ft)         192.48    Hydr. Depth (ft)           90.28     181.73     100.58
  Conv. Total (cfs)       811518300.0    Conv. (cfs)             299784800.0   102629200.0   409104300.0
```

```
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16688.86    1782.40   18990.34
  Min Ch El (ft)            567.21    Shear (lb/sq ft)            0.39       0.78       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.64       2.05       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    34905.30    6300.11   40645.14
  C & E Loss (ft)             0.00    Cum SA (acres)            195.33      21.52     219.20


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274260.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  208.63  790.46  678.79  771.23 1430.06  760.28  1619.1  750.79
 1921.01  744.33 2098.07     741 2468.32     741 2821.76  738.56 3771.04   728.3
 3846.96  724.04 3943.43     719 3955.39  718.74 4168.56  715.12 4358.73     711
 4509.88  706.66 4672.17  701.69 5068.86  691.93 5552.33  686.64 5912.14   683.4
 6066.96  681.87 6235.44  672.72 6307.92  663.66 6691.88  663.32 7061.79  669.41
 7211.01     672 7444.13     654 7620.44     645 7695.86     636 7747.77     636
 7907.08  642.28 8137.51  652.37 8204.21  654.58 8341.34  662.73 8726.28  669.32
 8777.02  675.39 8940.79  694.33 9251.29  691.15 9266.21  689.64 9449.15  672.84
 9596.07  672.72 9865.43  690.4910050.55  690.3310244.49  672.1710441.74  667.18
10594.53  661.4510612.78    66110707.79    64310886.06    61610946.79     616
 10991.3  624.2111125.61  651.9711239.66    67311650.53  665.3411818.11  661.22
11877.26  659.1212102.75  654.9112370.14  651.9312688.32    64613361.23     637
14910.96    63715166.02    63615821.71    63616326.15    64516389.82     654
16701.36  647.5116708.75  646.3516821.77  643.9217520.15  607.42 18114.7     598
18242.98  588.8318694.68  588.2218811.21  579.07 18994.6  567.21 19549.1  567.21
19725.84  570.42 19895.3    59819978.62  608.4119996.47   610.320220.43  617.16
20633.85   623.521042.78  622.4623026.54    61523134.79    61523350.41  616.32
23679.16  617.3324605.82    62324847.62    63226421.84    64126781.06  645.27
27178.59  650.3327789.67  668.8328000.08    66929047.03    66929643.86     668
 29901.1    66830440.35    65930663.64  653.7730824.79  650.1630956.32  641.29
31095.93  641.4331372.13   650.731674.36  653.2332705.91  663.8533329.91  668.47
 34239.2  682.1834373.23  683.1734952.86  681.4634985.46   681.736482.52  700.76
37462.62  707.1637648.11  713.4137978.68  726.8238017.62  728.1738305.62  737.11
38617.17  748.87 38765.7    75439493.12    79040146.84  795.98 40476.5     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 18114.7     .15 19895.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       18114.7 19895.3               5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504890.00   323574.50   1910063.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1504890.00   323574.50   1910063.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2485189.00   851599.70   3393212.00
  Top Width (ft)          37438.88    Top Width (ft)          16672.90    1780.60   18985.38
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.65       2.63       1.78
  Max Chl Dpth (ft)         192.48    Hydr. Depth (ft)           90.26     181.72     100.61
  Conv. Total (cfs)       811687400.0    Conv. (cfs)            299732000.0   102709200.0   409246200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16692.37    1783.93   18988.81
  Min Ch El (ft)            567.21    Shear (lb/sq ft)            0.39       0.78       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.64       2.05       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    34732.56    6262.98   40425.92
  C & E Loss (ft)             0.00    Cum SA (acres)            193.41      21.31     217.02


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274257.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  208.68  790.45  678.93  771.22 1430.36  760.28 1619.44  750.78
 1921.42  744.32 2098.51  740.99 2468.83  740.99 2822.35  738.55 3771.83  728.31
 3847.76  724.05 3944.26  719.01 3956.22  718.75 4169.44  715.12 4359.65  710.99
 4510.83  706.65 4673.15  701.67 5069.93  691.91 5553.49  686.63 5913.38  683.38
 6068.24  681.85 6236.74  672.69 6309.24  663.62 6693.28  663.29 7063.27  669.39
 7212.52  671.98 7445.69  653.96 7622.03  644.95 7697.47  635.94 7749.39  635.94
 7908.74  642.23 8139.21  652.32 8205.93  654.54 8343.09   662.7 8728.11  669.32
 8778.86   675.4 8942.66  694.38 9253.23  691.24 9268.15  689.73 9451.12  672.92
 9598.08  672.79  9867.5  690.5910052.66  690.4310246.64  672.2510443.92  667.25
10596.75  661.54   10615  661.0910710.03  643.0710888.34  616.0410949.08  616.04
 10993.6  624.2611127.94  652.0211242.01  673.0711652.97   665.411820.59  661.29
11879.75  659.1912105.29  654.9912372.73  651.9812690.98  646.0413364.03  637.03
14914.08  637.03 15169.2  636.0415825.03  636.0416329.57  645.0516393.25  654.06
16704.85  647.5616712.25  646.4216825.29  643.9817523.82  607.4518118.49  598.02
18246.91  588.8418699.09  588.2418815.75  579.0818999.33  567.2119554.08  567.21
   19731  570.4219900.62  598.0219983.93  608.4120001.78  610.2920225.71  617.13
20639.08  623.4721047.96  622.4223031.49  614.9523139.73  614.9523355.32  616.27
23684.04  617.2924610.59  622.9724852.36  631.98 26426.4  640.9926785.58  645.27
27183.07  650.3227794.07  668.8428004.46  669.0129051.29  669.0129648.05  668.02
29905.26  668.0230444.44  659.0130667.71  653.7830828.85  650.1630960.35  641.28
31099.95  641.4131376.12  650.6931678.31  653.2332709.74  663.8333333.67  668.44
34242.86   682.134376.88  683.0934956.43  681.4434989.04  681.6836485.92  700.67
 37465.9  707.0937651.38  713.3437981.91  726.7538020.84   728.138308.81  737.06
38620.32  748.8338768.83  753.9639496.17    79040149.81  795.9940479.43     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518118.49     .1519900.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       18118.4919900.62               5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
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  W.S. Elev (ft)            759.69    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504856.00   323834.80   1910380.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1504856.00   323834.80   1910380.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2484253.00   852085.60   3393662.00
  Top Width (ft)          37442.38    Top Width (ft)          16676.39    1782.13   18983.85
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.65       2.63       1.78
  Max Chl Dpth (ft)         192.48    Hydr. Depth (ft)           90.24     181.71     100.63
  Conv. Total (cfs)       811848300.0    Conv. (cfs)            299678500.0   102788100.0   409381600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16695.89    1785.46   18987.28
  Min Ch El (ft)            567.21    Shear (lb/sq ft)            0.39       0.78       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.64       2.05       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    34559.82    6225.82   40206.66
  C & E Loss (ft)             0.00    Cum SA (acres)            191.50      21.11     214.84


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274255.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  208.72  790.45  679.07  771.21 1430.66  760.27 1619.78  750.77
 1921.82  744.31 2098.95  740.98 2469.35  740.98 2822.94  738.53 3772.62  728.33
 3848.57  724.07 3945.08  719.02 3957.05  718.76 4170.31  715.11 4360.56  710.98
 4511.77  706.63 4674.13  701.65 5070.99  691.89 5554.66  686.61 5914.61  683.36
 6069.51  681.83 6238.05  672.66 6310.56  663.58 6694.68  663.26 7064.75  669.37
 7214.03  671.96 7447.25  653.92 7623.63   644.9 7699.08  635.88 7751.02  635.88
 7910.39  642.18 8140.91  652.26 8207.65  654.49 8344.84  662.67 8729.94  669.33
  8780.7  675.42 8944.54  694.44 9255.16  691.33 9270.09  689.82  9453.1  672.99
 9600.09  672.86 9869.56  690.6810054.76  690.5310248.78  672.3210446.11  667.33
10598.97  661.6310617.23  661.1810712.28  643.1410890.62  616.0810951.37  616.08
 10995.9  624.3111130.27  652.0711244.36  673.1411655.41  665.4711823.06  661.35
11882.23  659.2712107.82  655.0612375.32  652.0212693.64  646.0813366.83  637.06
 14917.2  637.0615172.38  636.0815828.34  636.0816332.99   645.116396.68  654.12
16708.35  647.6116715.75  646.4816828.82  644.0417527.49  607.4718122.29  598.04
18250.84  588.85 18703.5  588.2618820.29  579.0819004.07  567.2119559.06  567.21
19736.15  570.4119905.93  598.0419989.24  608.4120007.08  610.2920230.99  617.09
20644.31  623.4321053.14  622.3823036.45   614.923144.68   614.923360.24  616.22
23688.92  617.2624615.36  622.94 24857.1  631.9626430.96  640.98 26790.1  645.26
27187.54  650.3227798.47  668.8528008.84  669.0229055.54  669.0229652.24  668.04
29909.42  668.0430448.54  659.0230671.78  653.78 30832.9  650.1630964.39  641.26
31103.97   641.431380.11  650.6931682.27  653.2232713.58   663.833337.43  668.42
34246.51  682.0134380.52     68334960.01  681.4234992.61  681.6636489.32  700.58
37469.19  707.0237654.64  713.2837985.13  726.6838024.06  728.03   38312  737.02
38623.47  748.7838771.96  753.9239499.21     79040152.79     79640482.37     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518122.29     .1519905.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18122.2919905.93                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504842.00   324095.40   1910708.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1504842.00   324095.40   1910708.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2483326.00   852568.30   3394105.00
  Top Width (ft)          37446.06    Top Width (ft)          16680.08    1783.64   18982.34
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.65       2.63       1.78
  Max Chl Dpth (ft)         192.48    Hydr. Depth (ft)           90.22     181.70     100.66
  Conv. Total (cfs)       812017900.0    Conv. (cfs)            299629300.0   102867900.0   409520700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16699.61    1786.98   18985.77
  Min Ch El (ft)            567.21    Shear (lb/sq ft)            0.39       0.78       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.64       2.05       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    34387.09    6188.64   39987.36
  C & E Loss (ft)             0.00    Cum SA (acres)            189.59      20.90     212.66


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274252.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  208.76  790.44  679.21   771.2 1430.95  760.27 1620.12  750.76
 1922.22  744.31 2099.39  740.97 2469.87  740.97 2823.53  738.52 3773.41  728.35
 3849.37  724.08 3945.91  719.03 3957.87  718.77 4171.18   715.1 4361.47  710.97
 4512.72  706.62 4675.11  701.64 5072.05  691.87 5555.82   686.6 5915.85  683.34
 6070.78  681.81 6239.35  672.64 6311.88  663.55 6696.08  663.22 7066.22  669.34
 7215.54  671.94 7448.81  653.88 7625.22  644.85 7700.69  635.82 7752.64  635.82
 7912.05  642.12 8142.62  652.21 8209.37  654.45 8346.58  662.64 8731.76  669.34
 8782.54  675.44 8946.41   694.5  9257.1  691.42 9272.03  689.91 9455.08  673.06
  9602.1  672.94 9871.63  690.7810056.87  690.6210250.93   672.4 10448.3   667.4
10601.19  661.7210619.45  661.2710714.52  643.21 10892.9  616.1210953.66  616.12
10998.21  624.36 11132.6  652.1111246.72  673.2111657.85  665.5311825.54  661.42
11884.72  659.3512110.36  655.1312377.91  652.0712696.29  646.1213369.62  637.09
14920.32  637.0915175.55  636.1215831.65  636.1216336.41  645.1516400.11  654.18
16711.85  647.6716719.25  646.5416832.34   644.117531.15   607.518126.08  598.06
18254.77  588.8618707.91  588.2818824.83  579.09 19008.8  567.2119564.04  567.21
 19741.3  570.4119911.25  598.0619994.54  608.4120012.39  610.2920236.27  617.05
20649.54   623.421058.33  622.34 23041.4  614.8523149.62  614.8523365.16  616.17
 23693.8  617.2224620.13  622.9124861.85  631.9426435.52  640.9726794.62  645.26
27192.02  650.3227802.88  668.8628013.22  669.03 29059.8  669.0329656.43  668.06
29913.58  668.0630452.63  659.0330675.85  653.7930836.95  650.1530968.43  641.25
31107.99  641.38 31384.1  650.6831686.22  653.2132717.41  663.77 33341.2  668.39
34250.17  681.9234384.16  682.9234963.58  681.3934996.18  681.6436492.71  700.49
37472.47  706.94 37657.9  713.2237988.35  726.6138027.28  727.9638315.18  736.97
38626.62  748.73 38775.1  753.8839502.27     79040155.76     796 40485.3     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518126.08     .1519911.25     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18126.0819911.25                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504802.00   324355.70   1911053.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1504802.00   324355.70   1911053.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2482351.00   853045.80   3394603.00
  Top Width (ft)          37449.57    Top Width (ft)          16683.59    1785.17   18980.81
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.65       2.63       1.78
  Max Chl Dpth (ft)         192.48    Hydr. Depth (ft)           90.20     181.69     100.68
  Conv. Total (cfs)       812186200.0    Conv. (cfs)            299573800.0   102946800.0   409665700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16703.14    1788.51   18984.24
  Min Ch El (ft)            567.21    Shear (lb/sq ft)            0.39       0.78       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.64       2.04       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    34214.36    6151.42   39768.02
  C & E Loss (ft)             0.00    Cum SA (acres)            187.67      20.70     210.48


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274249.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  208.81  790.44  679.36  771.18 1431.25  760.27 1620.45  750.75
 1922.62   744.3 2099.83  740.96 2470.38  740.96 2824.12  738.51  3774.2  728.36
 3850.18   724.1 3946.73  719.04  3958.7  718.78 4172.05   715.1 4362.38  710.96
 4513.66   706.6 4676.08  701.62 5073.11  691.85 5556.98  686.58 5917.09  683.32
 6072.05  681.79 6240.66  672.61  6313.2  663.51 6697.48  663.19  7067.7  669.32
 7217.05  671.92 7450.36  653.84 7626.82   644.8  7702.3  635.76 7754.26  635.76
 7913.71  642.07 8144.32  652.16 8211.08   654.4 8348.33  662.62 8733.59  669.34
 8784.37  675.46 8948.28  694.55 9259.04  691.51 9273.97     690 9457.06  673.13
 9604.11  673.01 9873.69  690.8710058.97  690.7210253.07  672.4810450.48  667.48
 10603.4  661.8110621.67  661.3610716.76  643.2810895.18  616.1610955.96  616.16
11000.51   624.411134.93  652.1611249.07  673.2811660.29  665.5911828.01  661.49
11887.21  659.4212112.89   655.2 12380.5  652.1212698.95  646.1613372.42  637.12
14923.45  637.1215178.73  636.1615834.96  636.1616339.82   645.216403.54  654.24
16715.34  647.7216722.74  646.6116835.86  644.1617534.82  607.5318129.87  598.08
 18258.7  588.8718712.33  588.2918829.36   579.119013.54  567.2119569.02  567.21
19746.45  570.4119916.57  598.0819999.85  608.4120017.69  610.2820241.55  617.02
20654.77  623.3621063.51   622.323046.36   614.823154.56   614.823370.07  616.13
23698.68  617.19 24624.9  622.8824866.59  631.9226440.08  640.9626799.14  645.25
27196.49  650.3127807.28  668.87 28017.6  669.0429064.06  669.0429660.62  668.08
29917.74  668.0830456.73  659.0430679.92  653.79   30841  650.1530972.46  641.24
31112.02  641.3731388.08  650.6731690.17   653.232721.25  663.7433344.96  668.37
34253.82  681.84 34387.8  682.8334967.16  681.3734999.75  681.6236496.11  700.41
37475.75  706.8737661.16  713.1537991.58  726.54 38030.5  727.8938318.37  736.92
38629.77  748.6938778.23  753.8439505.31     79040158.73  796.0140488.24     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518129.87     .1519916.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18129.8719916.57                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504775.00   324619.30   1911366.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1504775.00   324619.30   1911366.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2481428.00   853541.50   3395031.00
  Top Width (ft)          37453.05    Top Width (ft)          16687.08    1786.70   18979.27
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.65       2.63       1.78
  Max Chl Dpth (ft)         192.48    Hydr. Depth (ft)           90.18     181.69     100.71
  Conv. Total (cfs)       812350100.0    Conv. (cfs)            299522800.0   103027400.0   409799900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16706.67    1790.04   18982.70
  Min Ch El (ft)            567.21    Shear (lb/sq ft)            0.39       0.78       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.64       2.04       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    34041.63    6114.18   39548.64
  C & E Loss (ft)             0.00    Cum SA (acres)            185.76      20.49     208.30


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274246.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  208.85  790.43   679.5  771.17 1431.55  760.26 1620.79  750.75
 1923.02   744.3 2100.27  740.95  2470.9  740.95 2824.71  738.49 3774.99  728.38
 3850.98  724.11 3947.56  719.05 3959.53  718.79 4172.93  715.09  4363.3  710.95
 4514.61  706.59 4677.06   701.6 5074.17  691.83 5558.15  686.57 5918.33   683.3
 6073.32  681.77 6241.97  672.58 6314.52  663.47 6698.89  663.16 7069.18   669.3
 7218.56   671.9 7451.92   653.8 7628.42  644.75 7703.92   635.7 7755.88   635.7
 7915.36  642.02 8146.03   652.1  8212.8  654.35 8350.08  662.59 8735.42  669.35
 8786.21  675.47 8950.15  694.61 9260.97  691.59 9275.91  690.09 9459.04   673.2
 9606.12  673.08 9875.76  690.9710061.08  690.8210255.22  672.5610452.67  667.55
10605.62   661.910623.89  661.45   10719  643.3510897.46   616.210958.25   616.2
11002.81  624.4511137.26  652.2111251.42  673.3511662.73  665.6511830.49  661.56
11889.69   659.512115.42  655.2712383.09  652.1612701.61   646.213375.22  637.15
14926.57  637.15 15181.9   636.215838.28   636.216343.24  645.2516406.98   654.3
16718.84  647.7716726.24  646.6716839.38  644.2217538.49  607.5518133.66   598.1
18262.63  588.8918716.74  588.31 18833.9  579.1119018.27   567.219573.99   567.2
 19751.6   570.419921.88   598.120005.16   608.4   20023  610.2820246.83  616.98
20660.01  623.33 21068.7  622.2523051.31  614.75 23159.5  614.7523374.99  616.08
23703.56  617.1524629.68  622.8524871.34   631.926444.64  640.9526803.66  645.25
27200.96  650.3127811.68  668.8928021.97  669.0529068.32  669.05 29664.8   668.1
 29921.9   668.130460.83  659.0530683.99  653.7930845.05  650.15 30976.5  641.23
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31116.04  641.3631392.07  650.6731694.13   653.232725.08  663.7133348.72  668.35
34257.48  681.7534391.44  682.7534970.73  681.3535003.32   681.636499.51  700.32
37479.04   706.837664.43  713.09 37994.8  726.4738033.72  727.8238321.55  736.87
38632.92  748.6438781.36   753.839508.36     790 40161.7  796.0240491.18     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518133.66     .1519921.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18133.6619921.88                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504752.00   324884.00   1911692.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1504752.00   324884.00   1911692.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2480485.00   854040.80   3395474.00
  Top Width (ft)          37456.72    Top Width (ft)          16690.75    1788.22   18977.75
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.65       2.63       1.78
  Max Chl Dpth (ft)         192.49    Hydr. Depth (ft)           90.15     181.68     100.73
  Conv. Total (cfs)       812518300.0    Conv. (cfs)            299471000.0   103109000.0   409938300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16710.37    1791.56   18981.17
  Min Ch El (ft)            567.20    Shear (lb/sq ft)            0.39       0.78       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.64       2.04       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    33868.91    6076.90   39329.23
  C & E Loss (ft)             0.00    Cum SA (acres)            183.84      20.29     206.13


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274243.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  208.89  790.43  679.64  771.16 1431.85  760.26 1621.13  750.74
 1923.43  744.29  2100.7  740.94 2471.42  740.94  2825.3  738.48 3775.78   728.4
 3851.79  724.13 3948.38  719.06 3960.36   718.8  4173.8  715.09 4364.21  710.94
 4515.55  706.57 4678.04  701.59 5075.23  691.81 5559.31  686.55 5919.56  683.29
 6074.59  681.75 6243.27  672.56 6315.84  663.44 6700.29  663.12 7070.66  669.28
 7220.07  671.88 7453.48  653.76 7630.01   644.7 7705.53  635.64  7757.5  635.64
 7917.02  641.96 8147.73  652.05 8214.52  654.31 8351.82  662.56 8737.25  669.36
 8788.05  675.49 8952.02  694.67 9262.91  691.68 9277.85  690.17 9461.02  673.27
 9608.13  673.16 9877.82  691.0610063.18  690.9110257.36  672.6410454.85  667.63
10607.84  661.9910626.11  661.5410721.24  643.4210899.74  616.2410960.54  616.24
11005.11   624.511139.59  652.2511253.78  673.4211665.17  665.7111832.96  661.63
11892.18  659.5812117.96  655.3512385.68  652.2112704.26  646.2413378.02  637.18
14929.69  637.1815185.08  636.2415841.59  636.2416346.66   645.316410.41  654.36
16722.34  647.8316729.74  646.7316842.91  644.2817542.16  607.5818137.46  598.12
18266.56   588.918721.15  588.3318838.44  579.12   19023   567.219578.97   567.2
19756.75   570.4 19927.2  598.1220010.47   608.4 20028.3  610.2820252.11  616.94
20665.24  623.2921073.88  622.2123056.27   614.723164.45   614.723379.91  616.03
23708.44  617.1124634.45  622.8224876.08  631.8826449.21  640.9426808.18  645.24
27205.44  650.3127816.09   668.928026.36  669.0629072.57  669.0629668.99  668.12
29926.06  668.1230464.92  659.0630688.06   653.830849.11  650.1530980.54  641.21
31120.06  641.3431396.06  650.6631698.08  653.1932728.92  663.6833352.48  668.32
34261.14  681.6634395.08  682.66 34974.3  681.3335006.89  681.5836502.91  700.23
37482.32  706.7337667.69  713.0337998.03   726.438036.94  727.7538324.74  736.83
38636.07   748.6 38784.5  753.7639511.41     79040164.68  796.0240494.11     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518137.46     .15 19927.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18137.46 19927.2                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504712.00   325142.30   1912034.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1504712.00   325142.30   1912034.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2479516.00   854514.10   3395970.00
  Top Width (ft)          37460.21    Top Width (ft)          16694.25    1789.74   18976.22
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.65       2.63       1.78
  Max Chl Dpth (ft)         192.49    Hydr. Depth (ft)           90.13     181.67     100.76
  Conv. Total (cfs)       812685200.0    Conv. (cfs)            299415400.0   103187400.0   410082400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16713.90    1793.08   18979.65
  Min Ch El (ft)            567.20    Shear (lb/sq ft)            0.39       0.78       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.64       2.04       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    33696.19    6039.59   39109.77
  C & E Loss (ft)             0.00    Cum SA (acres)            181.92      20.08     203.95


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274240.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  208.94  790.42  679.78  771.15 1432.15  760.26 1621.47  750.73
 1923.83  744.28 2101.14  740.93 2471.93  740.93 2825.89  738.47 3776.57  728.42
 3852.59  724.15 3949.21  719.07 3961.19  718.81 4174.67  715.08 4365.12  710.93
 4516.49  706.56 4679.02  701.57 5076.29  691.79 5560.47  686.54  5920.8  683.27
 6075.86  681.73 6244.58  672.53 6317.17   663.4 6701.69  663.09 7072.14  669.25
 7221.58  671.86 7455.04  653.72 7631.61  644.65 7707.14  635.58 7759.13  635.58
 7918.67  641.91 8149.43    652 8216.24  654.26 8353.57  662.53 8739.07  669.37
 8789.89  675.51  8953.9  694.72 9264.85  691.77 9279.79  690.26    9463  673.35
 9610.13  673.23 9879.89  691.1610065.29  691.0110259.51  672.7210457.04   667.7
10610.06  662.0810628.34  661.6310723.49  643.4910902.01  616.2810962.83  616.28
11007.41  624.5511141.92   652.311256.13  673.4911667.61  665.7711835.44  661.69
11894.67  659.6512120.49  655.4212388.27  652.2612706.92  646.2813380.82  637.21
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14932.81  637.2115188.25  636.28 15844.9  636.2816350.08  645.3516413.84  654.42
16725.84  647.8816733.24  646.7916846.43  644.3517545.83   607.618141.25  598.14
18270.49  588.9118725.57  588.3518842.98  579.1319027.74   567.219583.95   567.2
 19761.9  570.3919932.52  598.1420015.77   608.420033.61  610.2720257.39  616.91
20670.47  623.2621079.06  622.1723061.22  614.6523169.39  614.6523384.83  615.98
23713.31  617.0824639.22  622.7924880.82  631.8626453.77  640.93 26812.7  645.24
27209.91   650.327820.49  668.9128030.73  669.0729076.83  669.0729673.18  668.14
29930.22  668.1430469.02  659.0730692.13   653.830853.16  650.1530984.57   641.2
31124.08  641.3331400.05  650.6531702.03  653.1832732.75  663.6533356.24   668.3
 34264.8  681.5834398.72  682.5834977.88  681.3135010.46  681.56 36506.3  700.14
37485.61  706.6637670.95  712.9738001.25  726.3338040.16  727.6938327.93  736.78
38639.22  748.5538787.63  753.7239514.46     79040167.65  796.0340497.05     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518141.25     .1519932.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18141.2519932.52                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504679.00   325404.60   1912349.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1504679.00   325404.60   1912349.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2478584.00   855005.20   3396411.00
  Top Width (ft)          37463.70    Top Width (ft)          16697.75    1791.27   18974.68
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.65       2.63       1.78
  Max Chl Dpth (ft)         192.49    Hydr. Depth (ft)           90.11     181.66     100.78
  Conv. Total (cfs)       812847000.0    Conv. (cfs)             299362500.0   103267200.0   410217300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16717.42    1794.62   18978.10
  Min Ch El (ft)            567.20    Shear (lb/sq ft)            0.39       0.78       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.63       2.04       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    33523.48    6002.26   38890.29
  C & E Loss (ft)             0.00    Cum SA (acres)            180.01      19.88     201.77


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274237.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  208.98  790.42  679.92  771.13 1432.45  760.26 1621.81  750.72
 1924.23  744.28 2101.58  740.92 2472.45  740.92 2826.48  738.46 3777.36  728.43
  3853.4  724.16 3950.03  719.08 3962.02  718.82 4175.54  715.08 4366.03  710.92
 4517.44  706.54    4680  701.55 5077.35  691.77 5561.63  686.52 5922.04  683.25
 6077.13  681.72 6245.88   672.5 6318.49  663.36 6703.09  663.06 7073.62  669.23
 7223.09  671.84  7456.6  653.68  7633.2   644.6 7708.75  635.52 7760.75  635.52
 7920.33  641.86 8151.14  651.95 8217.96  654.22 8355.32  662.51  8740.9  669.37
 8791.72  675.52 8955.77  694.78 9266.79  691.86 9281.73  690.35 9464.97  673.42
 9612.14   673.3 9881.96  691.2510067.39  691.1110261.65  672.7910459.23  667.78
10612.28  662.1710630.56  661.7210725.73  643.5610904.29  616.3210965.12  616.32
11009.71   624.611144.25  652.3511258.48  673.5611670.05  665.8311837.91  661.76
11897.16  659.7312123.03  655.4912390.86   652.312709.58  646.3213383.61  637.24
14935.93  637.2415191.43  636.3215848.22  636.32 16353.5   645.416417.27  654.48
16729.33  647.9316736.74  646.8616849.95  644.41 17549.5  607.6318145.04  598.16
18274.42  588.9218729.98  588.3618847.52  579.1419032.47   567.219588.93   567.2
19767.06  570.3919937.84  598.1620021.08   608.420038.91  610.2720262.67  616.87
 20675.7  623.2221084.25  622.1323066.18   614.623174.33   614.623389.74  615.93
23718.19  617.0424643.99  622.7624885.57  631.8426458.33  640.9226817.22  645.23
27214.39   650.327824.89  668.9228035.11  669.0829081.09  669.0829677.37  668.16
29934.38  668.1630473.12  659.08 30696.2  653.8130857.21  650.1530988.61  641.19
 31128.1  641.3131404.04  650.6431705.99  653.1732736.58  663.6233360.01  668.27
34268.45  681.4934402.36  682.4934981.45  681.2935014.03  681.53 36509.7  700.05
37488.89  706.5937674.21   712.938004.47  726.2638043.38  727.6238331.11  736.73
38642.38  748.5138790.76  753.6839517.51     79040170.62  796.0440499.98     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518145.04     .1519937.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18145.0419937.84                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504649.00   325668.20   1912702.00
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            1504649.00   325668.20   1912702.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2477614.00   855486.40   3396900.00
  Top Width (ft)          37467.18    Top Width (ft)          16701.24    1792.80   18973.14
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.65       2.63       1.78
  Max Chl Dpth (ft)         192.49    Hydr. Depth (ft)           90.09     181.65     100.81
  Conv. Total (cfs)       813024000.0    Conv. (cfs)             299310500.0   103347800.0   410365700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16720.95    1796.15   18976.56
  Min Ch El (ft)            567.20    Shear (lb/sq ft)            0.38       0.78       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.63       2.04       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    33350.77    5964.89   38670.76
  C & E Loss (ft)             0.00    Cum SA (acres)            178.09      19.67     199.59


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274234.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  209.02  790.42  680.07  771.12 1432.75  760.25 1622.15  750.72
 1924.63  744.27 2102.02  740.91 2472.97  740.91 2827.08  738.44 3778.15  728.45
 3854.21  724.18 3950.86  719.09 3962.84  718.83 4176.42  715.07 4366.95  710.91
 4518.38  706.53 4680.98  701.54 5078.42  691.75  5562.8  686.51 5923.28  683.23
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  6078.4   681.7 6247.19  672.47 6319.81  663.33 6704.49  663.02  7075.1  669.21
  7224.6  671.82 7458.16  653.64  7634.8  644.55 7710.36  635.46 7762.37  635.46
 7921.98  641.81 8152.84  651.89 8219.67  654.17 8357.06  662.48 8742.73  669.38
 8793.56  675.54 8957.64  694.84 9268.72  691.95 9283.67  690.44 9466.95  673.49
 9614.15  673.37 9884.02  691.3510069.49   691.2 10263.8  672.8710461.41  667.85
 10614.5  662.2610632.78  661.8110727.97  643.6310906.57  616.3610967.42  616.36
11012.01  624.6511146.58  652.3911260.84  673.6311672.49   665.911840.38  661.83
11899.64  659.8112125.56  655.5612393.46  652.3512712.23  646.3613386.41  637.27
14939.06  637.27 15194.6  636.3615851.53  636.3616356.92  645.45 16420.7  654.54
16732.83  647.9816740.24  646.9216853.47  644.4717553.17  607.6518148.84  598.18
18278.35  588.9318734.39  588.3818852.05  579.1519037.21   567.219593.91   567.2
19772.21  570.3819943.15  598.1820026.39   608.420044.22  610.2720267.95  616.83
20680.93  623.1921089.43  622.0923071.13  614.5523179.27  614.5523394.66  615.88
23723.07     61724648.76  622.7324890.31  631.8226462.89  640.9126821.74  645.22
27218.86   650.3 27829.3  668.9328039.49  669.0929085.35  669.0929681.56  668.18
29938.54  668.1830477.21  659.0930700.28  653.8130861.26  650.1530992.65  641.17
31132.12   641.331408.03  650.6431709.94  653.1732740.42  663.5933363.77  668.25
34272.11  681.4134406.01  682.4134985.03  681.27 35017.6  681.51 36513.1  699.97
37492.17  706.5137677.47  712.84 38007.7  726.19 38046.6  727.55 38334.3  736.68
38645.52  748.46 38793.9  753.6439520.56     79040173.59  796.0440502.91     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518148.84     .1519943.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18148.8419943.15                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504622.00   325926.90   1913012.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1504622.00   325926.90   1913012.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2476690.00   855971.50   3397339.00
  Top Width (ft)          37470.84    Top Width (ft)          16704.92    1794.31   18971.62
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.65       2.63       1.78
  Max Chl Dpth (ft)         192.49    Hydr. Depth (ft)           90.07     181.64     100.84
  Conv. Total (cfs)       813182500.0    Conv. (cfs)            299257200.0   103426600.0   410498700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16724.66    1797.66   18975.04
  Min Ch El (ft)            567.20    Shear (lb/sq ft)            0.38       0.78       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.63       2.04       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    33178.06    5927.50   38451.19
  C & E Loss (ft)             0.00    Cum SA (acres)            176.17      19.47     197.41


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274231.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  209.07  790.41  680.21  771.11 1433.05  760.25 1622.49  750.71
 1925.04  744.26 2102.46   740.9 2473.48   740.9 2827.67  738.43 3778.94  728.47
 3855.01  724.19 3951.69   719.1 3963.67  718.84 4177.29  715.07 4367.86   710.9
 4519.33  706.51 4681.95  701.52 5079.48  691.73 5563.96  686.49 5924.52  683.21
 6079.67  681.68 6248.49  672.45 6321.13  663.29 6705.89  662.99 7076.57  669.18
 7226.11   671.8 7459.72   653.6 7636.39   644.5 7711.97   635.4 7763.99   635.4
 7923.64  641.75 8154.54  651.84 8221.39  654.12 8358.81  662.45 8744.55  669.39
  8795.4  675.56 8959.51  694.89 9270.66  692.04 9285.61  690.53 9468.93  673.56
 9616.16  673.45 9886.09  691.44 10071.6   691.310265.94  672.95 10463.6  667.93
10616.71  662.35   10635   661.910730.21   643.710908.85   616.410969.71   616.4
11014.32   624.711148.91  652.4411263.19   673.711674.93  665.9611842.86   661.9
11902.13  659.88 12128.1  655.6312396.04   652.412714.89   646.413389.21   637.3
14942.18   637.315197.78   636.415854.84   636.416360.33   645.516424.13   654.6
16736.33  648.0416743.74  646.98   16857  644.5317556.83  607.6818152.63   598.2
18282.28  588.9518738.81   588.418856.59  579.1619041.94   567.219598.89   567.2
19777.36  570.3819948.47   598.2 20031.7  608.3920049.52  610.2720273.23   616.8
20686.16  623.1521094.62  622.0423076.09   614.523184.21   614.523399.58  615.83
23727.95  616.9724653.54   622.724895.05   631.826467.45   640.926826.26  645.22
27223.34  650.29 27833.7  668.9428043.87   669.129089.61   669.129685.75   668.2
29942.69   668.230481.31   659.130704.35  653.8130865.31  650.1430996.69  641.16
31136.14  641.2831412.02  650.6331713.89  653.1632744.25  663.5633367.53  668.23
34275.77  681.3234409.65  682.32 34988.6  681.2535021.17  681.49 36516.5  699.88
37495.46  706.4437680.74  712.7838010.92  726.1238049.82  727.4838337.49  736.64
38648.68  748.4138797.03   753.639523.61     79040176.57  796.0540505.85     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518152.63     .1519948.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18152.6319948.47                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504590.00   326184.10   1913355.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1504590.00   326184.10   1913355.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2475739.00   856433.20   3397828.00
  Top Width (ft)          37474.33    Top Width (ft)          16708.41    1795.84   18970.08
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.65       2.63       1.78
  Max Chl Dpth (ft)         192.49    Hydr. Depth (ft)           90.05     181.63     100.86
  Conv. Total (cfs)       813351700.0    Conv. (cfs)            299204600.0   103503900.0   410643300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16728.19    1799.19   18973.50
  Min Ch El (ft)            567.20    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.63       2.03       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    33005.36    5890.07   38231.59
  C & E Loss (ft)             0.00    Cum SA (acres)            174.26      19.26     195.24


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274228.*
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INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  209.11  790.41  680.35   771.1 1433.35  760.25 1622.83   750.7
 1925.44  744.26  2102.9  740.89    2474  740.89 2828.26  738.42 3779.72  728.48
 3855.82  724.21 3952.51  719.11  3964.5  718.85 4178.16  715.06 4368.77  710.89
 4520.27   706.5 4682.93   701.5 5080.54  691.72 5565.12  686.48 5925.75  683.19
 6080.94  681.66  6249.8  672.42 6322.45  663.25 6707.29  662.96 7078.05  669.16
 7227.62  671.78 7461.27  653.56 7637.99  644.45 7713.58  635.34 7765.62  635.34
  7925.3   641.7 8156.25  651.79 8223.11  654.08 8360.55  662.43 8746.38  669.39
 8797.24  675.57 8961.38  694.95  9272.6  692.13 9287.55  690.62 9470.91  673.63
 9618.17  673.52 9888.15  691.54 10073.7   691.410268.09  673.0310465.79     668
10618.93  662.4410637.23  661.9910732.46  643.7710911.13  616.44   10972  616.44
11016.62  624.7511151.24  652.4911265.54  673.7711677.37  666.0211845.33  661.97
11904.62  659.9612130.63  655.7112398.63  652.4412717.55  646.4413392.01  637.33
 14945.3  637.3315200.96  636.4415858.15  636.4416363.75  645.5516427.57  654.66
16739.82  648.0916747.23  647.0416860.52  644.59 17560.5  607.7118156.42  598.22
18286.21  588.9618743.22  588.4218861.13  579.1719046.67   567.219603.87   567.2
19782.51  570.3819953.79  598.22   20037  608.3920054.83  610.2620278.51  616.76
20691.39  623.12 21099.8     62223081.04  614.4523189.16  614.4523404.49  615.79
23732.83  616.9324658.31  622.67 24899.8  631.7826472.01  640.8926830.78  645.21
27227.81  650.29 27838.1  668.9628048.25  669.1129093.86  669.1129689.94  668.22
29946.85  668.2230485.41  659.1130708.42  653.8230869.37  650.1431000.72  641.15
31140.16  641.2731416.01  650.6231717.85  653.1532748.09  663.5433371.29   668.2
34279.42  681.2334413.29  682.2334992.18  681.2335024.74  681.4736519.89  699.79
37498.74  706.37   37684  712.7138014.14  726.0538053.04  727.4138340.67  736.59
38651.82  748.3738800.16  753.5639526.66     79040179.54  796.0640508.79     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518156.42     .1519953.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18156.4219953.79                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504547.00   326444.30   1913679.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1504547.00   326444.30   1913679.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2474785.00   856916.20   3398299.00
  Top Width (ft)          37477.80    Top Width (ft)          16711.90    1797.37   18968.53
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.64       2.63       1.78
  Max Chl Dpth (ft)         192.49    Hydr. Depth (ft)           90.03     181.62     100.89
  Conv. Total (cfs)       813512700.0    Conv. (cfs)            299148400.0   103582800.0   410781500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16731.71    1800.72   18971.95
  Min Ch El (ft)            567.20    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.63       2.03       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    32832.66    5852.61   38011.95
  C & E Loss (ft)             0.00    Cum SA (acres)            172.34      19.05     193.06


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274225.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  209.16   790.4  680.49  771.09 1433.65  760.24 1623.17  750.69
 1925.84  744.25 2103.34  740.88 2474.52  740.88 2828.85  738.41 3780.51   728.5
 3856.62  724.22 3953.34  719.12 3965.33  718.86 4179.04  715.06 4369.69  710.88
 4521.22  706.48 4683.91  701.49  5081.6   691.7 5566.28  686.46 5926.99  683.17
 6082.21  681.64  6251.1  672.39 6323.77  663.22 6708.69  662.92 7079.53  669.14
 7229.13  671.76 7462.83  653.52 7639.58   644.4 7715.19  635.28 7767.24  635.28
 7926.95  641.65 8157.95  651.73 8224.83  654.03  8362.3   662.4 8748.21   669.4
 8799.08  675.59 8963.26  695.01 9274.53  692.21 9289.49   690.7 9472.89   673.7
 9620.18  673.59 9890.22  691.6310075.81  691.4910270.23  673.1110467.97  668.08
10621.15  662.5310639.45  662.08 10734.7  643.8410913.41  616.4810974.29  616.48
11018.92   624.811153.57  652.53 11267.9  673.8411679.81  666.0811847.81  662.04
 11907.1  660.0412133.16  655.7812401.23  652.49 12720.2  646.48 13394.8  637.36
14948.42  637.3615204.13  636.4815861.47  636.4816367.17   645.6   16431  654.72
16743.32  648.1416750.73  647.1116864.04  644.6517564.17  607.7318160.22  598.24
18290.14  588.9718747.63  588.4418865.67  579.1819051.41   567.219608.85   567.2
19787.66  570.37 19959.1  598.2420042.31  608.3920060.13  610.2620283.79  616.72
20696.63  623.0821104.99  621.9623085.99   614.4 23194.1   614.423409.41  615.74
23737.71  616.8924663.08  622.6424904.54  631.7626476.58  640.88 26835.3  645.21
27232.28  650.2927842.51  668.9728052.63  669.1229098.12  669.1229694.12  668.24
29951.01  668.24 30489.5  659.1230712.49  653.8230873.42  650.1431004.76  641.13
31144.18  641.2631419.99  650.62 31721.8  653.1432751.92  663.5133375.05  668.18
34283.08  681.1534416.93  682.1534995.75  681.2135028.31  681.4536523.29   699.7
37502.02   706.337687.26  712.6538017.37  725.9838056.26  727.3438343.86  736.54
38654.97  748.32 38803.3  753.52 39529.7     79040182.52  796.0640511.72     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518160.22     .15 19959.1     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18160.22 19959.1                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504526.00   326702.80   1914003.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1504526.00   326702.80   1914003.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2473858.00   857392.60   3398750.00
  Top Width (ft)          37481.47    Top Width (ft)          16715.60    1798.88   18967.00
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.64       2.62       1.78
  Max Chl Dpth (ft)         192.49    Hydr. Depth (ft)           90.01     181.61     100.91
  Conv. Total (cfs)       813678100.0    Conv. (cfs)            299097200.0   103661500.0   410919600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16735.43    1802.24   18970.42
  Min Ch El (ft)            567.20    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.63       2.03       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    32659.96    5815.13   37792.27
  C & E Loss (ft)             0.00    Cum SA (acres)            170.42      18.85     190.88
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CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274222.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   209.2   790.4  680.63  771.07 1433.95  760.24 1623.51  750.68
 1926.24  744.24 2103.78  740.87 2475.04  740.87 2829.44  738.39  3781.3  728.52
 3857.43  724.24 3954.16  719.13 3966.16  718.87 4179.91  715.05  4370.6  710.87
 4522.16  706.47 4684.89  701.47 5082.66  691.68 5567.45  686.45 5928.23  683.16
 6083.48  681.62 6252.41  672.37 6325.09  663.18  6710.1  662.89 7081.01  669.12
 7230.64  671.74 7464.39  653.48 7641.18  644.35 7716.81  635.22 7768.86  635.22
 7928.61  641.59 8159.66  651.68 8226.55  653.99 8364.05  662.37 8750.04  669.41
 8800.91  675.61 8965.13  695.06 9276.47   692.3 9291.43  690.79 9474.87  673.77
 9622.19  673.67 9892.28  691.7310077.91  691.5910272.38  673.1910470.16  668.15
10623.37  662.6210641.67  662.1710736.94  643.9110915.69  616.5210976.58  616.52
11021.22  624.85 11155.9  652.5811270.25  673.9111682.25  666.1411850.28   662.1
11909.59  660.11 12135.7  655.8512403.82  652.5412722.86  646.52 13397.6  637.39
14951.55  637.3915207.31  636.5215864.78  636.5216370.59  645.6516434.43  654.78
16746.82   648.216754.23  647.1716867.56  644.7117567.84  607.7618164.01  598.26
18294.07  588.9818752.05  588.4518870.21  579.1919056.14   567.219613.83   567.2
19792.81  570.3719964.42  598.2620047.62  608.3920065.44  610.2620289.07  616.69
20701.86  623.0521110.17  621.9223090.95  614.3523199.04  614.3523414.33  615.69
23742.59  616.8624667.85  622.6124909.29  631.7426481.14  640.8726839.82   645.2
27236.76  650.2827846.91  668.9828057.01  669.1329102.38  669.1329698.31  668.26
29955.17  668.26 30493.6  659.1330716.56  653.8330877.47  650.1431008.79  641.12
 31148.2  641.2431423.98  650.6131725.76  653.1432755.76  663.4833378.82  668.15
34286.74  681.0634420.57  682.0634999.32  681.1935031.88  681.4336526.69  699.61
37505.31  706.2337690.52  712.5938020.59  725.9138059.48  727.2738347.05  736.49
38658.12  748.2838806.43  753.4839532.75     79040185.49  796.0740514.66     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518164.01     .1519964.42     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18164.0119964.42                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504490.00   326966.00   1914330.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1504490.00   326966.00   1914330.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2472906.00   857883.30   3399211.00
  Top Width (ft)          37484.95    Top Width (ft)          16719.09    1800.41   18965.45
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.64       2.62       1.78
  Max Chl Dpth (ft)         192.49    Hydr. Depth (ft)           89.99     181.61     100.94
  Conv. Total (cfs)       813843800.0    Conv. (cfs)            299043000.0   103741900.0   411058900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16738.95    1803.77   18968.87
  Min Ch El (ft)            759.20    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.63       2.03       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    32487.27    5777.61   37572.55
  C & E Loss (ft)             0.00    Cum SA (acres)            168.50      18.64     188.70


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274219.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   209.24  790.39  680.78  771.06 1434.25  760.24 1623.84  750.68
 1926.64  744.24 2104.22  740.86 2475.55  740.86 2830.03  738.38 3782.09  728.53
 3858.23  724.26 3954.99  719.14 3966.98  718.88 4180.78  715.05 4371.51  710.86
  4523.1  706.45 4685.87  701.45 5083.72  691.66 5568.61  686.43 5929.47  683.14
 6084.75   681.6 6253.72  672.34 6326.41  663.14  6711.5  662.86 7082.49  669.09
 7232.15  671.72 7465.95  653.44 7642.78   644.3 7718.42  635.16 7770.48  635.16
 7930.26  641.54 8161.36  651.63 8228.26  653.94 8365.79  662.34 8751.86  669.41
 8802.75  675.63    8967  695.12 9278.41  692.39 9293.37  690.88 9476.85  673.85
  9624.2  673.74 9894.35  691.8210080.02  691.6910274.52  673.2610472.35  668.22
10625.59  662.7110643.89  662.2610739.18  643.9810917.97  616.5610978.88  616.56
11023.52   624.911158.23  652.63 11272.6  673.9811684.69   666.211852.76  662.17
11912.08  660.1912138.23  655.9212406.41  652.5812725.52  646.56 13400.4  637.42
14954.67  637.4215210.48  636.5615868.09  636.5616374.01   645.716437.86  654.84
16750.31  648.2516757.73  647.2316871.08  644.7717571.51  607.78 18167.8  598.28
   18298  588.9918756.46  588.4718874.74   579.219060.88  567.1919618.81  567.19
19797.97  570.3619969.74  598.2820052.92  608.3920070.74  610.2520294.35  616.65
20707.09  623.0121115.36  621.88 23095.9   614.323203.98   614.323419.24  615.64
23747.47  616.8224672.62  622.5824914.03  631.72 26485.7  640.8626844.34   645.2
27241.23  650.2827851.31  668.9928061.39  669.1429106.64  669.14 29702.5  668.28
29959.33  668.28 30497.7  659.1430720.63  653.8330881.52  650.1431012.83  641.11
31152.22  641.2331427.97   650.631729.71  653.1332759.59  663.4533382.58  668.13
34290.39  680.9734424.21  681.98 35002.9  681.1735035.45  681.4136530.09  699.53
37508.59  706.1637693.79  712.5338023.82  725.84 38062.7   727.238350.23  736.44
38661.27  748.2338809.56  753.44 39535.8     79040188.46  796.0840517.59     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 18167.8     .1519969.74     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       18167.819969.74                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504469.00   327235.50   1914647.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1504469.00   327235.50   1914647.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2471984.00   858394.80   3399621.00
  Top Width (ft)          37488.41    Top Width (ft)          16722.57    1801.94   18963.90
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  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.64       2.62       1.78
  Max Chl Dpth (ft)         192.50    Hydr. Depth (ft)           89.97     181.60     100.96
  Conv. Total (cfs)       814015100.0    Conv. (cfs)            298994400.0   103825600.0   411195100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16742.46    1805.30   18967.31
  Min Ch El (ft)            567.19    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.63       2.03       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    32314.57    5740.07   37352.80
  C & E Loss (ft)             0.00    Cum SA (acres)            166.58      18.43     186.53


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274217.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  209.29  790.39  680.92  771.05 1434.55  760.24 1624.18  750.67
 1927.05  744.23 2104.66  740.85 2476.07  740.85 2830.62  738.37 3782.88  728.55
 3859.04  724.27 3955.81  719.15 3967.81  718.89 4181.65  715.04 4372.42  710.85
 4524.05  706.44 4686.84  701.44 5084.78  691.64 5569.77  686.42 5930.71  683.12
 6086.02  681.59 6255.02  672.31 6327.73  663.11  6712.9  662.82 7083.97  669.07
 7233.66   671.7 7467.51   653.4 7644.37  644.25 7720.03   635.1 7772.11   635.1
 7931.92  641.49 8163.06  651.58 8229.98   653.9 8367.54  662.32 8753.69  669.42
 8804.59  675.64 8968.87  695.18 9280.35  692.48 9295.31  690.97 9478.82  673.92
 9626.21  673.81 9896.42  691.9210082.12  691.7810276.67  673.3410474.53   668.3
10627.81   662.810646.11  662.3510741.42  644.0510920.25   616.610981.17   616.6
11025.82  624.9411160.56  652.6711274.96  674.0511687.13  666.2611855.23  662.24
11914.56  660.2712140.77     656   12409  652.6312728.17   646.6 13403.2  637.45
14957.79  637.4515213.66   636.615871.41   636.616377.43  645.7516441.29   654.9
16753.81   648.316761.23  647.2916874.61  644.8317575.18  607.81 18171.6   598.3
18301.93     58918760.87  588.4918879.28  579.2119065.61  567.1919623.79  567.19
19803.12  570.3619975.05   598.320058.23  608.3920076.05  610.2520299.62  616.62
20712.32  622.9821120.54  621.8423100.86  614.2523208.92  614.2523424.16  615.59
23752.35  616.7924677.39  622.5524918.77   631.726490.26  640.8526848.86  645.19
27245.71  650.2827855.72     66928065.77  669.1529110.89  669.1529706.69   668.3
29963.49   668.330501.79  659.15 30724.7  653.8430885.57  650.1431016.87   641.1
31156.24  641.2131431.96   650.631733.66  653.1232763.42  663.4233386.34  668.11
34294.05  680.8934427.86  681.8935006.47  681.1535039.02  681.3936533.48  699.44
37511.88  706.0937697.05  712.4638027.04  725.7738065.92  727.1438353.42   736.4
38664.43  748.19 38812.7   753.439538.85     79040191.43  796.0840520.52     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 18171.6     .1519975.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       18171.619975.05                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504425.00   327492.50   1914959.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1504425.00   327492.50   1914959.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2471045.00   858875.50   3400080.00
  Top Width (ft)          37491.89    Top Width (ft)          16726.07    1803.45   18962.36
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.64       2.62       1.78
  Max Chl Dpth (ft)         192.50    Hydr. Depth (ft)           89.94     181.59     100.99
  Conv. Total (cfs)       814169900.0    Conv. (cfs)            298937700.0   103903500.0   411328700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16746.00    1806.82   18965.78
  Min Ch El (ft)            567.19    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.63       2.03       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    32141.89    5702.49   37133.01
  C & E Loss (ft)             0.00    Cum SA (acres)            164.66      18.23     184.35


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274214.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  209.33  790.38  681.06  771.04 1434.85  760.23 1624.52  750.66
 1927.45  744.23  2105.1  740.84 2476.59  740.84 2831.21  738.35 3783.67  728.57
 3859.84  724.29 3956.64  719.16 3968.64   718.9 4182.53  715.03 4373.34  710.84
 4524.99  706.42 4687.82  701.42 5085.85  691.62 5570.93   686.4 5931.94   683.1
 6087.29  681.57 6256.33  672.28 6329.05  663.07  6714.3  662.79 7085.45  669.05
 7235.17  671.68 7469.07  653.36 7645.97   644.2 7721.64  635.04 7773.73  635.04
 7933.57  641.43 8164.77  651.52  8231.7  653.85 8369.29  662.29 8755.52  669.43
 8806.43  675.66 8970.74  695.23 9282.28  692.57 9297.25  691.06  9480.8  673.99
 9628.22  673.88 9898.48  692.0110084.22  691.8810278.81  673.4210476.72  668.37
10630.02  662.8910648.34  662.4410743.67  644.1210922.53  616.6410983.46  616.64
11028.12  624.9911162.89  652.7211277.31  674.1211689.57  666.3311857.71  662.31
11917.05  660.35 12143.3  656.0712411.59  652.6812730.83  646.64   13406  637.48
14960.91  637.4815216.83  636.6415874.72  636.6416380.85   645.816444.73  654.96
16757.31  648.3516764.73  647.3616878.13  644.8917578.85  607.8418175.39  598.32
18305.86  589.0218765.29  588.5118883.82  579.2219070.34  567.1919628.76  567.19
19808.27  570.3519980.37  598.3220063.54  608.3820081.36  610.25 20304.9  616.58
20717.55  622.9421125.72  621.7923105.81   614.223213.87   614.223429.08  615.54
23757.23  616.7524682.17  622.5224923.52  631.6826494.82  640.8426853.38  645.19
27250.18  650.2727860.12  669.0228070.14  669.1629115.15  669.1629710.88  668.32
29967.65  668.3230505.89  659.1630728.77  653.8430889.63  650.1331020.91  641.08
31160.26   641.231435.95  650.5931737.62  653.1132767.26  663.39 33390.1  668.08
34297.71   680.8 34431.5  681.8135010.05  681.1335042.59  681.3736536.88  699.35
37515.16  706.0137700.31   712.438030.27   725.738069.14  727.0738356.61  736.35
38667.57  748.1438815.83  753.36 39541.9     79040194.41  796.0940523.46     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518175.39     .1519980.37     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18175.3919980.37                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
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  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504398.00   327750.90   1915317.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1504398.00   327750.90   1915317.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2470074.00   859334.60   3400591.00
  Top Width (ft)          37495.54    Top Width (ft)          16729.75    1804.98   18960.81
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.64       2.62       1.78
  Max Chl Dpth (ft)         192.50    Hydr. Depth (ft)           89.92     181.58     101.01
  Conv. Total (cfs)       814345700.0    Conv. (cfs)             298884700.0   103981500.0   411479500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16749.71    1808.35   18964.23
  Min Ch El (ft)            567.19    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.63       2.03       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31969.20    5664.88   36913.18
  C & E Loss (ft)             0.00    Cum SA (acres)            162.74      18.02     182.17


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274211.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  209.37  790.38   681.2  771.02 1435.15  760.23 1624.86  750.65
 1927.85  744.22 2105.54  740.83  2477.1  740.83  2831.8  738.34 3784.46  728.59
 3860.65   724.3 3957.47  719.17 3969.47  718.91  4183.4  715.03 4374.25  710.83
 4525.94  706.41  4688.8   701.4 5086.91   691.6  5572.1  686.39 5933.18  683.08
 6088.56  681.55 6257.63  672.26 6330.37  663.03  6715.7  662.76 7086.93  669.02
 7236.68  671.66 7470.63  653.32 7647.56  644.15 7723.25  634.98 7775.35  634.98
 7935.23  641.38 8166.47  651.47 8233.42   653.8 8371.03  662.26 8757.34  669.43
 8808.26  675.68 8972.62  695.29 9284.22  692.66 9299.19  691.15 9482.78  674.06
 9630.23  673.96 9900.55  692.1110086.33  691.9810280.96   673.510478.91  668.45
10632.24  662.9810650.56  662.5310745.91  644.1910924.81  616.6810985.75  616.68
11030.43  625.0411165.21  652.7711279.66  674.19   11692  666.3911860.18  662.38
11919.54  660.4212145.83  656.1412414.18  652.7212733.49  646.6813408.79  637.51
14964.03  637.5115220.01  636.6815878.03  636.6816384.26  645.8516448.16  655.02
16760.81  648.4116768.23  647.4216881.65  644.9517582.51  607.8618179.18  598.34
18309.79  589.03 18769.7  588.5218888.36  579.2219075.08  567.1919633.74  567.19
19813.42  570.3519985.69  598.3420068.85  608.3820086.66  610.2520310.18  616.54
20722.78  622.9121130.91  621.7523110.77  614.1523218.81  614.15   23434  615.49
23762.11  616.7124686.94  622.4924928.26  631.6626499.38  640.83 26857.9  645.18
27254.65  650.2727864.52  669.0328074.52  669.1729119.41  669.1729715.07  668.34
29971.81  668.3430509.99  659.1730732.84  653.8430893.68  650.1331024.94  641.07
31164.28  641.1831439.94  650.5831741.57  653.1132771.09  663.3633393.86  668.06
34301.36  680.7134435.14  681.7235013.62  681.1135046.16  681.3536540.28  699.26
37518.44  705.9437703.57  712.3438033.49  725.6338072.36     72738359.79   736.3
38670.73  748.0938818.96  753.3239544.95     79040197.38   796.140526.39     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518179.18     .1519985.69     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18179.1819985.69                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504364.00   328015.70   1915644.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1504364.00   328015.70   1915644.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2469126.00   859828.80   3401045.00
  Top Width (ft)          37499.02    Top Width (ft)          16733.25    1806.51   18959.26
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.64       2.62       1.78
  Max Chl Dpth (ft)         192.50    Hydr. Depth (ft)           89.90     181.57     101.04
  Conv. Total (cfs)       814513300.0    Conv. (cfs)             298831500.0   104062700.0   411619100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16753.23    1809.88   18962.68
  Min Ch El (ft)            567.19    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.63       2.02       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31796.52    5627.25   36693.32
  C & E Loss (ft)             0.00    Cum SA (acres)            160.82      17.81     180.00


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274208.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  209.42  790.37   681.35  771.01 1435.45  760.23  1625.2  750.64
 1928.25  744.21 2105.98  740.82 2477.62  740.82 2832.39  738.33 3785.25   728.6
 3861.45  724.32 3958.29  719.18  3970.3  718.92 4184.27  715.02 4375.16  710.82
 4526.88  706.39 4689.78  701.38 5087.97  691.58 5573.26  686.37 5934.42  683.06
 6089.83  681.53 6258.94  672.23 6331.69     663  6717.1  662.72  7088.4     669
 7238.19  671.64 7472.19  653.28 7649.16   644.1 7724.86  634.92 7776.97  634.92
 7936.88  641.33 8168.18  651.42 8235.13  653.76 8372.78  662.23 8759.17  669.44
  8810.1  675.69 8974.49  695.35 9286.16  692.75 9301.13  691.24 9484.76  674.13
 9632.24  674.03 9902.61   692.210088.43  692.07 10283.1  673.5810481.09  668.52
10634.46  663.0710652.78  662.6210748.15  644.2610927.09  616.7210988.05  616.72
11032.73  625.0911167.54  652.8111282.02  674.2611694.44  666.4511862.66  662.44
11922.02   660.512148.37  656.2112416.77  652.7712736.14  646.7213411.59  637.54
14967.16  637.5415223.19  636.7215881.34  636.7216387.68   645.916451.59  655.08
 16764.3  648.4616771.72  647.4816885.17  645.0117586.18  607.8918182.97  598.36
18313.72  589.0418774.11  588.5418892.89  579.2319079.81  567.1919638.72  567.19
19818.57  570.3519991.01  598.3620074.15  608.3820091.97  610.2420315.46  616.51
20728.02  622.8721136.09  621.7123115.72   614.123223.75   614.123438.91  615.45
23766.98  616.6824691.71  622.4624933.01  631.6426503.95  640.8226862.42  645.18
27259.13  650.2727868.93  669.04 28078.9  669.1829123.67  669.1829719.26  668.36
29975.96  668.3630514.08  659.1830736.91  653.8530897.73  650.1331028.98  641.06
 31168.3  641.1731443.93  650.5731745.53   653.132774.93  663.3333397.63  668.03
34305.02  680.6334438.78  681.64 35017.2  681.0935049.73  681.3336543.68  699.17
37521.73  705.8737706.84  712.2738036.71  725.5638075.58  726.9338362.98  736.25
38673.88  748.0538822.09  753.28   39548     79040200.36   796.140529.33     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518182.97     .1519991.01     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18182.9719991.01                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504342.00   328275.80   1915963.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1504342.00   328275.80   1915963.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2468215.00   860304.60   3401481.00
  Top Width (ft)          37502.48    Top Width (ft)          16736.74    1808.04   18957.70
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.64       2.62       1.78
  Max Chl Dpth (ft)         192.50    Hydr. Depth (ft)           89.88     181.56     101.07
  Conv. Total (cfs)       814679600.0    Conv. (cfs)            298782200.0   104141500.0   411755800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16756.76    1811.41   18961.12
  Min Ch El (ft)            567.19    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.63       2.02       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31623.85    5589.58   36473.41
  C & E Loss (ft)             0.00    Cum SA (acres)            158.90      17.61     177.82


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274205.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  209.46  790.37  681.49     771 1435.75  760.23 1625.54  750.64
 1928.66  744.21 2106.42  740.81 2478.14  740.81 2832.98  738.32 3786.04  728.62
 3862.26  724.33 3959.12  719.19 3971.13  718.93 4185.15  715.02 4376.07  710.81
 4527.83  706.38 4690.76  701.37 5089.03  691.56 5574.42  686.36 5935.66  683.05
  6091.1  681.51 6260.24   672.2 6333.02  662.96  6718.5  662.69 7089.88  668.98
  7239.7  671.62 7473.74  653.24 7650.75  644.05 7726.48  634.86 7778.59  634.86
 7938.54  641.28 8169.88  651.36 8236.85  653.71 8374.53  662.21    8761  669.45
 8811.94  675.71 8976.36   695.4 9288.09  692.83 9303.07  691.32 9486.74   674.2
 9634.25   674.1 9904.68  692.310090.54  692.1710285.25  673.6610483.28   668.6
10636.68  663.17   10655  662.7110750.39  644.3310929.37  616.7610990.34  616.76
11035.03  625.1411169.87  652.8611284.37  674.3311696.88  666.5111865.13  662.51
11924.51  660.58 12150.9  656.2812419.36  652.82 12738.8  646.7613414.39  637.57
14970.28  637.5715226.36  636.7615884.66  636.76 16391.1  645.9516455.02  655.14
 16767.8  648.5116775.22  647.54 16888.7  645.0717589.85  607.9118186.77  598.38
18317.65  589.0518778.53  588.5618897.43  579.2419084.55  567.19 19643.7  567.19
19823.72  570.3419996.32  598.3820079.46  608.3820097.27  610.2420320.74  616.47
20733.25  622.8421141.28  621.6723120.68  614.0523228.69  614.0523443.83   615.4
23771.86  616.6424696.48  622.4324937.75  631.6226508.51  640.8126866.94  645.17
 27263.6  650.2627873.33  669.0528083.28  669.1929127.93  669.1929723.45  668.38
29980.12  668.3830518.18  659.1930740.98  653.8530901.78  650.1331033.02  641.04
31172.33  641.1631447.91  650.5731749.48  653.0932778.76   663.333401.39  668.01
34308.68  680.5434442.42  681.5535020.77  681.07 35053.3  681.3136547.07  699.09
37525.01   705.8 37710.1  712.2138039.94  725.49 38078.8  726.8638366.16  736.21
38677.03     74838825.23  753.2439551.05     79040203.33  796.1140532.27     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518186.77     .1519996.32     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18186.7719996.32                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504297.00   328534.30   1916284.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1504297.00   328534.30   1916284.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2467265.00   860785.90   3401949.00
  Top Width (ft)          37505.95    Top Width (ft)          16740.23    1809.55   18956.16
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.64       2.62       1.78
  Max Chl Dpth (ft)         192.49    Hydr. Depth (ft)           89.86     181.56     101.09
  Conv. Total (cfs)       814838800.0    Conv. (cfs)            298725600.0   104220200.0   411893100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16760.28    1812.93   18959.58
  Min Ch El (ft)            567.19    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.63       2.02       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31451.18    5551.89   36253.47
  C & E Loss (ft)             0.00    Cum SA (acres)            156.98      17.40     175.65


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274202.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  209.51  790.37  681.63  770.99 1436.05  760.22 1625.88  750.63
 1929.06   744.2 2106.86   740.8 2478.65   740.8 2833.57   738.3 3786.83  728.64
 3863.07  724.35 3959.94   719.2 3971.95  718.93 4186.02  715.01 4376.99   710.8
 4528.77  706.36 4691.74  701.35 5090.09  691.54 5575.58  686.34  5936.9  683.03
 6092.37  681.49 6261.55  672.18 6334.34  662.92  6719.9  662.66 7091.36  668.96
 7241.21   671.6  7475.3   653.2 7652.35     644 7728.09   634.8 7780.22   634.8
  7940.2  641.22 8171.58  651.31 8238.57  653.67 8376.27  662.18 8762.83  669.45
 8813.78  675.73 8978.23  695.46 9290.03  692.92 9305.01  691.41 9488.72  674.28
 9636.26  674.18 9906.74  692.3910092.64  692.2710287.39  673.7310485.46  668.67
 10638.9  663.2610657.22   662.810752.63   644.410931.65   616.810992.63   616.8
11037.33  625.19 11172.2  652.9111286.72   674.411699.32  666.57 11867.6  662.58
   11927  660.6512153.44  656.3612421.95  652.8612741.46   646.813417.19   637.6
 14973.4   637.615229.54   636.815887.97   636.816394.52     64616458.45   655.2
 16771.3  648.5616778.72  647.6116892.22  645.1417593.52  607.9418190.56   598.4
18321.58  589.0618782.94  588.5818901.97  579.2519089.28  567.1919648.68  567.19
19828.88  570.3420001.64   598.420084.77  608.3820102.58  610.2420326.02  616.43
20738.48   622.821146.46  621.6323125.63     61423233.63     61423448.75  615.35
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23776.74   616.624701.25   622.424942.49   631.626513.07   640.826871.46  645.17
27268.08  650.2627877.73  669.0628087.66   669.229132.18   669.229727.63   668.4
29984.28   668.430522.28   659.230745.05  653.8630905.84  650.1331037.05  641.03
31176.35  641.14 31451.9  650.5631753.43  653.08 32782.6  663.2733405.15  667.99
34312.34  680.4534446.06  681.4735024.35  681.0435056.88  681.2936550.47     699
37528.29  705.7337713.36  712.1538043.16  725.4238082.02  726.7938369.35  736.16
38680.18  747.9638828.36   753.239554.09     790 40206.3  796.12 40535.2     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518190.56     .1520001.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18190.5620001.64                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504269.00   328794.40   1916613.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1504269.00   328794.40   1916613.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2466322.00   861261.30   3402418.00
  Top Width (ft)          37509.59    Top Width (ft)          16743.91    1811.08   18954.60
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.64       2.62       1.78
  Max Chl Dpth (ft)         192.49    Hydr. Depth (ft)           89.84     181.55     101.12
  Conv. Total (cfs)       815004800.0    Conv. (cfs)            298672200.0   104299000.0   412033700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16763.99    1814.46   18958.02
  Min Ch El (ft)            567.19    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.63       2.02       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31278.51    5514.16   36033.50
  C & E Loss (ft)             0.00    Cum SA (acres)            155.06      17.19     173.47


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274199.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  209.55  790.36  681.77  770.97 1436.34  760.22 1626.22  750.62
 1929.46  744.19 2107.29  740.79 2479.17  740.79 2834.17  738.29 3787.62  728.65
 3863.87  724.36 3960.77  719.21 3972.78  718.94 4186.89  715.01  4377.9  710.79
 4529.71  706.35 4692.71  701.33 5091.15  691.52 5576.75  686.33 5938.13  683.01
 6093.64  681.47 6262.86  672.15 6335.66  662.89 6721.31  662.62 7092.84  668.93
 7242.72  671.58 7476.86  653.16 7653.95  643.95  7729.7  634.74 7781.84  634.74
 7941.85  641.17 8173.29  651.26 8240.29  653.62 8378.02  662.15 8764.65  669.46
 8815.62  675.75  8980.1  695.52 9291.97  693.01 9306.95   691.5  9490.7  674.35
 9638.27  674.25 9908.81  692.4910094.75  692.3610289.54  673.8110487.65  668.75
10641.12  663.3510659.45  662.8910754.88  644.4710933.93  616.8410994.92  616.84
11039.63  625.2411174.53  652.9511289.08  674.4711701.76  666.6311870.08  662.65
11929.49  660.7312155.97  656.4312424.54  652.9112744.11  646.8413419.98  637.63
14976.52  637.6315232.71  636.8415891.28  636.8416397.94  646.0516461.88  655.26
16774.79  648.6216782.22  647.6716895.74   645.217597.19  607.9618194.35  598.42
18325.52  589.0718787.35   588.618906.51  579.2619094.01  567.1919653.66  567.19
19834.03  570.3320006.96  598.4220090.08  608.3820107.88  610.23 20331.3   616.4
20743.71  622.7721151.64  621.5923130.59  613.9523238.58  613.9523453.66   615.3
23781.62  616.5724706.03  622.3724947.24  631.5826517.63  640.7926875.98  645.16
27272.55  650.2627882.14  669.0728092.04  669.2129136.44  669.2129731.82  668.42
29988.44  668.4230526.37  659.2130749.12  653.8630909.89  650.1331041.09  641.02
31180.37  641.1331455.89  650.5531757.39  653.0832786.43  663.2433408.91  667.96
34315.99  680.37 34449.7  681.3835027.92  681.0235060.45  681.2736553.87  698.91
37531.58  705.6637716.62  712.0938046.39  725.3538085.23  726.7238372.54  736.11
38683.33  747.9138831.49  753.1639557.14     79040209.27  796.1240538.14     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518194.35     .1520006.96     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18194.3520006.96                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504241.00   329056.30   1916932.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1504241.00   329056.30   1916932.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2465397.00   861744.60   3402858.00
  Top Width (ft)          37513.06    Top Width (ft)          16747.41    1812.61   18953.04
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.64       2.62       1.78
  Max Chl Dpth (ft)         192.49    Hydr. Depth (ft)           89.82     181.54     101.14
  Conv. Total (cfs)       815170100.0    Conv. (cfs)            298620800.0   104378700.0   412170600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16767.53    1815.99   18956.46
  Min Ch El (ft)            567.19    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.63       2.02       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31105.84    5476.41   35813.48
  C & E Loss (ft)             0.00    Cum SA (acres)            153.13      16.98     171.29


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274196.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  209.59  790.36  681.91  770.96 1436.64  760.22 1626.56  750.61
 1929.86  744.19 2107.73  740.78 2479.69  740.78 2834.76  738.28 3788.41  728.67
 3864.68  724.38 3961.59  719.22 3973.61  718.95 4187.76     715 4378.81  710.78
 4530.66  706.33 4693.69  701.32 5092.21   691.5 5577.91  686.31 5939.37  682.99
 6094.91  681.45 6264.16  672.12 6336.98  662.85 6722.71  662.59 7094.32  668.91
 7244.23  671.56 7478.42  653.12 7655.54   643.9 7731.31  634.68 7783.46  634.68
 7943.51  641.12 8174.99  651.21 8242.01  653.57 8379.77  662.13 8766.48  669.47
 8817.45  675.76 8981.98  695.57 9293.91   693.1 9308.89  691.59 9492.67  674.42
 9640.27  674.32 9910.88  692.5810096.85  692.4610291.68  673.8910489.84  668.82
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10643.33  663.4410661.67  662.9810757.12  644.5410936.21  616.8810997.21  616.88
11041.93  625.2911176.86     65311291.43  674.54 11704.2  666.6911872.55  662.72
11931.97  660.8112158.51   656.512427.13  652.9612746.77  646.8813422.78  637.66
14979.65  637.6615235.89  636.88 15894.6  636.8816401.36   646.116465.32  655.32
16778.29  648.6716785.72  647.7316899.26  645.2617600.86  607.9918198.15  598.44
18329.45  589.0918791.77  588.6118911.04  579.2719098.75  567.1919658.64  567.19
19839.18  570.3320012.27  598.4420095.38  608.3720113.19  610.2320336.58  616.36
20748.94  622.7321156.83  621.5423135.54   613.923243.52   613.923458.58  615.25
 23786.5  616.53 24710.8  622.3424951.98  631.5626522.19  640.78 26880.5  645.16
27277.02  650.2527886.54  669.0928096.42  669.22 29140.7  669.2229736.01  668.44
 29992.6  668.4430530.47  659.2230753.19  653.8630913.94  650.1231045.13  641.01
31184.39  641.1131459.88  650.5531761.34  653.0732790.27  663.2233412.68  667.94
34319.65  680.2834453.34   681.3 35031.5     68135064.02  681.2536557.27  698.82
37534.86  705.5837719.88  712.0238049.61  725.2838088.45  726.6538375.72  736.06
38686.48  747.8738834.62  753.1239560.19     79040212.25  796.1340541.07     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518198.15     .1520012.27     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18198.1520012.27                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504204.00   329312.50   1917273.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1504204.00   329312.50   1917273.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2464442.00   862207.20   3403351.00
  Top Width (ft)          37516.52    Top Width (ft)          16750.92    1814.12   18951.49
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.64       2.62       1.78
  Max Chl Dpth (ft)         192.49    Hydr. Depth (ft)           89.80     181.53     101.17
  Conv. Total (cfs)       815338500.0    Conv. (cfs)             298566800.0   104456300.0   412315400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16771.06    1817.50   18954.90
  Min Ch El (ft)            567.19    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.63       2.02       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30933.18    5438.62   35593.43
  C & E Loss (ft)             0.00    Cum SA (acres)            151.21      16.77     169.12


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274193.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  209.64  790.35  682.06  770.95 1436.94  760.21  1626.9  750.61
 1930.26  744.18 2108.17  740.77  2480.2  740.77 2835.35  738.27  3789.2  728.69
 3865.48   724.4 3962.42  719.23 3974.44  718.96 4188.64     715 4379.72  710.77
  4531.6  706.32 4694.67   701.3 5093.28  691.48 5579.07   686.3 5940.61  682.97
 6096.18  681.44 6265.47  672.09  6338.3  662.81 6724.11  662.56  7095.8  668.89
 7245.74  671.54 7479.98  653.08 7657.14  643.85 7732.92  634.62 7785.08  634.62
 7945.16  641.06  8176.7  651.15 8243.72  653.53 8381.51   662.1 8768.31  669.47
 8819.29  675.78 8983.85  695.63 9295.84  693.19 9310.83  691.68 9494.65  674.49
 9642.28  674.39 9912.94  692.6810098.96  692.5610293.83  673.9710492.02   668.9
10645.55  663.5310663.89  663.0710759.36  644.6110938.49  616.9210999.51  616.92
11044.24  625.3411179.19  653.0511293.78  674.6111706.64  666.7611875.03  662.78
11934.46  660.8812161.04  656.5712429.72     65312749.43  646.9213425.58  637.69
14982.77  637.6915239.06  636.9215897.91  636.9216404.78  646.1516468.75  655.38
16781.79  648.7216789.22   647.816902.79  645.3217604.53  608.0218201.94  598.46
18333.38   589.118796.18  588.6318915.58  579.2819103.48  567.1819663.62  567.18
19844.33  570.3320017.59  598.4620100.69  608.3720118.49  610.2320341.86  616.32
20754.17   622.721162.01   621.5 23140.5  613.8523248.46  613.85 23463.5   615.2
23791.38   616.524715.57  622.3124956.72  631.5426526.75  640.7726885.02  645.15
 27281.5  650.2527890.94   669.1 28100.8  669.2329144.96  669.23 29740.2  668.46
29996.76  668.4630534.57  659.2330757.26  653.8730917.99  650.1231049.16  640.99
31188.41   641.131463.87  650.5431765.29  653.06 32794.1  663.1933416.44  667.91
 34323.3  680.1934456.98  681.2135035.07  680.9835067.59  681.2336560.66  698.73
37538.14  705.5137723.15  711.9638052.84  725.2138091.68  726.5938378.91  736.02
38689.62  747.8238837.76  753.0839563.24     79040215.22  796.14   40544     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518201.94     .1520017.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18201.9420017.59                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504160.00   329580.10   1917601.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1504160.00   329580.10   1917601.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2463464.00   862715.90   3403820.00
  Top Width (ft)          37520.16    Top Width (ft)          16754.58    1815.65   18949.93
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.64       2.62       1.78
  Max Chl Dpth (ft)         192.50    Hydr. Depth (ft)           89.78     181.52     101.19
  Conv. Total (cfs)       815502800.0    Conv. (cfs)             298508400.0   104539000.0   412455400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16774.76    1819.03   18953.35
  Min Ch El (ft)            567.18    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.62       2.02       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30760.53    5400.81   35373.34
  C & E Loss (ft)             0.00    Cum SA (acres)            149.29      16.57     166.94


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274190.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  209.68  790.35   682.2  770.94 1437.24  760.21 1627.23   750.6
```

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 1930.67  744.18 2108.61  740.76 2480.72  740.76 2835.94  738.25 3789.99  728.71
 3866.29  724.41 3963.25  719.24 3975.27  718.97 4189.51  714.99 4380.64  710.76
 4532.55   706.3 4695.65  701.28 5094.34  691.46 5580.23  686.28 5941.85  682.95
 6097.45  681.42 6266.77  672.07 6339.62  662.78 6725.51  662.52 7097.28  668.86
 7247.25  671.52 7481.54  653.04 7658.73   643.8 7734.53  634.56 7786.71  634.56
 7946.82  641.01  8178.4   651.1 8245.44  653.48 8383.26  662.07 8770.13  669.48
 8821.13   675.8 8985.72  695.69 9297.78  693.28 9312.77  691.77 9496.63  674.56
 9644.29  674.47 9915.01  692.7710101.06  692.6510295.97  674.0510494.21  668.97
10647.77  663.6210666.11  663.16 10761.6  644.6810940.76  616.96 11001.8  616.96
11046.54  625.3911181.52  653.0911296.14  674.6811709.08  666.82 11877.5  662.85
11936.95  660.9612163.57  656.6412432.31  653.0512752.08  646.9613428.38  637.72
14985.89  637.7215242.24  636.9615901.22  636.9616408.19   646.216472.18  655.44
16785.29  648.7816792.72  647.8616906.31  645.3817608.19  608.0418205.73  598.48
18337.31  589.1118800.59  588.6518920.12  579.2919108.22  567.18 19668.6  567.18
19849.48  570.3220022.91  598.48   20106  608.37 20123.8  610.2220347.14  616.29
 20759.4  622.66 21167.2  621.4623145.45   613.8 23253.4   613.823468.42  615.15
23796.26  616.4624720.34  622.2824961.47  631.5226531.31  640.7626889.54  645.15
27285.97  650.2527895.35  669.1128105.18  669.2429149.21  669.2429744.39  668.48
30000.92  668.4830538.66  659.2430761.34  653.8730922.04  650.12 31053.2  640.98
31192.43  641.0931467.86  650.5331769.25  653.0532797.93  663.16 33420.2  667.89
34326.96  680.1134460.62  681.1335038.64  680.9635071.16  681.2136564.06  698.65
37541.43  705.4437726.41   711.938056.06  725.1438094.89  726.5238382.09  735.97
38692.78  747.7738840.89  753.0439566.29     79040218.19  796.1440546.94     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518205.73     .1520022.91     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18205.7320022.91                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504140.00   329841.60   1917909.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1504140.00   329841.60   1917909.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2462568.00   863198.30   3404234.00
  Top Width (ft)          37523.63    Top Width (ft)          16758.08    1817.18   18948.37
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.64       2.62       1.77
  Max Chl Dpth (ft)         192.50    Hydr. Depth (ft)           89.76     181.51     101.22
  Conv. Total (cfs)       815667200.0    Conv. (cfs)            298460000.0   104618500.0   412588600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16778.28    1820.57   18951.79
  Min Ch El (ft)            567.18    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.62       2.02       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30587.88    5362.96   35153.21
  C & E Loss (ft)             0.00    Cum SA (acres)            147.37      16.36     164.77


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274187.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  209.72  790.34  682.34  770.92 1437.54  760.21 1627.57  750.59
 1931.07  744.17 2109.05  740.75 2481.24  740.75 2836.53  738.24 3790.78  728.72
 3867.09  724.43 3964.07  719.25  3976.1  718.98 4190.38  714.99 4381.55  710.75
 4533.49  706.29 4696.63  701.27  5095.4  691.45  5581.4  686.27 5943.09  682.93
 6098.72   681.4 6268.08  672.04 6340.94  662.74 6726.91  662.49 7098.75  668.84
 7248.76   671.5  7483.1    653 7660.33  643.75 7736.14   634.5 7788.33   634.5
 7948.47  640.96  8180.1  651.05 8247.16  653.44 8385.01  662.04 8771.96  669.49
 8822.97  675.81 8987.59  695.74 9299.72  693.36 9314.71  691.85 9498.61  674.63
  9646.3  674.54 9917.07  692.8710103.17  692.7510298.12  674.13 10496.4  669.05
10649.99  663.7110668.34  663.2510763.84  644.7510943.04     61711004.09     617
11048.84  625.4411183.85  653.1411298.49  674.7511711.52  666.8811879.98  662.92
11939.43  661.0412166.11  656.72 12434.9  653.0912754.74     64713431.17  637.75
14989.01  637.7515245.41     63715904.53     63716411.61  646.2516475.61   655.5
16788.78  648.8316796.21  647.9216909.83  645.4417611.86  608.0718209.53   598.5
18341.24  589.1218805.01  588.6718924.66   579.319112.95  567.1819673.57  567.18
19854.63  570.3220028.22   598.5 20111.3  608.37 20129.1  610.2220352.42  616.25
20764.64  622.6321172.38  621.42 23150.4  613.7523258.34  613.7523473.33  615.11
23801.14  616.4224725.11  622.2524966.21   631.526535.88  640.7526894.06  645.14
27290.45  650.2427899.75  669.1228109.55  669.2529153.47  669.2529748.58   668.5
30005.08   668.530542.76  659.2530765.41  653.88 30926.1  650.1231057.24  640.97
31196.45  641.0731471.85  650.53 31773.2  653.0532801.77  663.1333423.96  667.87
34330.62  680.0234464.27  681.0435042.22  680.9435074.73  681.1936567.46  698.56
37544.71  705.3737729.67  711.8338059.28  725.0738098.11  726.4538385.28  735.92
38695.93  747.7338844.02     75339569.34     79040221.16  796.1540549.88     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518209.53     .1520028.22     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18209.5320028.22                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504098.00   330098.30   1918235.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1504098.00   330098.30   1918235.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2461621.00   863668.90   3404710.00
  Top Width (ft)          37527.08    Top Width (ft)          16761.58    1818.69   18946.81
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.64       2.62       1.77
  Max Chl Dpth (ft)         192.50    Hydr. Depth (ft)           89.73     181.50     101.24
  Conv. Total (cfs)       815828400.0    Conv. (cfs)            298404200.0   104696200.0   412728000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16781.81    1822.08   18950.22
  Min Ch El (ft)            567.18    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.62       2.01       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30415.23    5325.08   34933.04
  C & E Loss (ft)             0.00    Cum SA (acres)            145.44      16.15     162.59


CROSS SECTION
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RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274184.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  209.77  790.34  682.48  770.91 1437.84  760.21 1627.91  750.58
 1931.47  744.16 2109.49  740.74 2481.75  740.74 2837.12  738.23 3791.57  728.74
  3867.9  724.44  3964.9  719.26 3976.92  718.99 4191.26  714.98 4382.46  710.74
 4534.44  706.27 4697.61  701.25 5096.46  691.43 5582.56  686.25 5944.32  682.92
 6099.99  681.38 6269.38  672.01 6342.26  662.71 6728.31  662.46 7100.23  668.82
 7250.27  671.48 7484.66  652.96 7661.92   643.7 7737.75  634.44 7789.95  634.44
 7950.13   640.9 8181.81  650.99 8248.88  653.39 8386.75  662.02 8773.79  669.49
 8824.81  675.83 8989.46   695.8 9301.65  693.45 9316.66  691.94 9500.59   674.7
 9648.31  674.61 9919.14  692.9610105.27  692.8510300.26   674.210498.58  669.12
10652.21   663.810670.56  663.3410766.09  644.8210945.32  617.0411006.38  617.04
11051.14  625.4811186.18  653.1811300.84  674.8211713.96  666.9411882.45  662.99
11941.92  661.1112168.64  656.7912437.49  653.14 12757.4  647.0413433.97  637.78
14992.13  637.7815248.59  637.0415907.85  637.0416415.03   646.316479.04  655.56
16792.28  648.8816799.71  647.9816913.35   645.517615.53  608.0918213.32  598.52
18345.17  589.1318809.42  588.68 18929.2  579.3119117.68  567.1819678.55  567.18
19859.79  570.3120033.54  598.5220116.61  608.3720134.41  610.22 20357.7  616.21
20769.87  622.5921177.56  621.3823155.36   613.723263.29   613.723478.25  615.06
23806.02  616.3924729.88  622.2224970.96  631.4826540.44  640.7426898.58  645.14
27294.92  650.2427904.15  669.1328113.93  669.2629157.73  669.2629752.77  668.52
30009.24  668.5230546.86  659.2630769.48  653.8830930.15  650.1231061.27  640.95
31200.47  641.0631475.84  650.5231777.15  653.04 32805.6   663.133427.72  667.84
34334.28  679.9434467.91  680.9535045.79  680.92 35078.3  681.1736570.85  698.47
   37548   705.337732.93  711.7738062.51     72538101.33  726.3838388.47  735.87
38699.08  747.6838847.16  752.9639572.39     79040224.14  796.1640552.81     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518213.32     .1520033.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18213.3220033.54                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504074.00   330362.60   1918564.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1504074.00   330362.60   1918564.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2460691.00   864155.50   3405154.00
  Top Width (ft)          37530.54    Top Width (ft)          16765.07    1820.22   18945.25
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.64       2.62       1.77
  Max Chl Dpth (ft)         192.50    Hydr. Depth (ft)           89.71     181.50     101.27
  Conv. Total (cfs)       816000500.0    Conv. (cfs)            298354400.0   104777300.0   412868800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16785.34    1823.61   18948.67
  Min Ch El (ft)            567.18    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.62       2.01       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30242.58    5287.18   34712.84
  C & E Loss (ft)             0.00    Cum SA (acres)            143.52      15.94     160.42


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274182.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  209.81  790.33  682.62   770.9 1438.14   760.2 1628.25  750.57
 1931.87  744.16 2109.93  740.73 2482.27  740.73 2837.71  738.21 3792.36  728.76
  3868.7  724.46 3965.72  719.27 3977.75     719 4192.13  714.97 4383.38  710.73
 4535.38  706.26 4698.58  701.23 5097.52  691.41 5583.72  686.24 5945.56   682.9
 6101.26  681.36 6270.69  671.98 6343.58  662.67 6729.71  662.42 7101.71   668.8
 7251.78  671.46 7486.21  652.92 7663.52  643.65 7739.37  634.38 7791.57  634.38
 7951.79  640.85 8183.51  650.94  8250.6  653.35  8388.5  661.99 8775.62   669.5
 8826.64  675.85 8991.34  695.86 9303.59  693.54  9318.6  692.03 9502.57  674.78
 9650.32  674.69  9921.2  693.0610107.37  692.9410302.41  674.2810500.77   669.2
10654.43  663.8910672.78  663.4310768.33  644.89 10947.6  617.0811008.67  617.08
11053.44  625.5311188.51  653.23 11303.2  674.89 11716.4    66711884.93  663.06
11944.41  661.1912171.18  656.8612440.08  653.1912760.05  647.0813436.77  637.81
14995.26  637.8115251.77  637.0815911.16  637.0816418.45  646.3516482.48  655.62
16795.78  648.9316803.21  648.0516916.87  645.56 17619.2  608.1218217.11  598.54
 18349.1  589.1418813.83   588.718933.73  579.3219122.42  567.1819683.53  567.18
19864.94  570.3120038.86  598.5420121.92  608.3620139.71  610.2220362.98  616.18
 20775.1  622.5621182.75  621.3423160.31  613.6523268.23  613.6523483.17  615.01
 23810.9  616.3524734.66  622.19 24975.7  631.46   26545  640.73 26903.1  645.13
27299.39  650.2427908.56  669.1428118.31  669.2729161.99  669.2729756.96  668.54
 30013.4  668.5430550.95  659.2730773.55  653.89 30934.2  650.1231065.31  640.94
31204.49  641.0431479.82  650.5131781.11  653.0332809.44  663.0733431.48  667.82
34337.93  679.8534471.55  680.8735049.37   680.935081.87  681.1536574.25  698.38
37551.28  705.23 37736.2  711.7138065.73  724.9338104.55  726.3138391.65  735.83
38702.23  747.6438850.29  752.9239575.44     79040227.11  796.1640555.75     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518217.11     .1520038.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18217.1120038.86                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1504035.00   330622.70   1918883.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1504035.00   330622.70   1918883.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2459742.00   864636.30   3405621.00
  Top Width (ft)          37534.18    Top Width (ft)          16768.75    1821.75   18943.68
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.64       2.62       1.77
  Max Chl Dpth (ft)         192.50    Hydr. Depth (ft)           89.69     181.49     101.29
  Conv. Total (cfs)       816159600.0    Conv. (cfs)            298297500.0   104856000.0   413006000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16789.05    1825.14   18947.10
  Min Ch El (ft)            567.18    Shear (lb/sq ft)            0.38       0.77       0.43
```

```
  Alpha                        1.07    Stream Power (lb/ft s)      0.62       2.01       0.76
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    30069.94    5249.24   34492.60
  C & E Loss (ft)              0.00    Cum SA (acres)            141.59      15.73     158.24


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274179.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  209.85  790.33  682.77  770.89 1438.44   760.2 1628.59  750.57
 1932.28  744.15 2110.37  740.72 2482.79  740.72  2838.3   738.2 3793.15  728.77
 3869.51  724.47 3966.55  719.28 3978.58  719.01    4193  714.97 4384.29  710.72
 4536.32  706.24 4699.56  701.22 5098.58  691.39 5584.88  686.22  5946.8  682.88
 6102.53  681.34    6272  671.96  6344.9  662.63 6731.11  662.39 7103.19  668.77
 7253.29  671.44 7487.77  652.88 7665.11   643.6 7740.98  634.32  7793.2  634.32
 7953.44   640.8 8185.21  650.89 8252.31   653.3 8390.25  661.96 8777.44  669.51
 8828.48  675.87 8993.21  695.91 9305.53  693.63 9320.54  692.12 9504.54  674.85
 9652.33  674.76 9923.27  693.1510109.48  693.0410304.55  674.3610502.96  669.27
10656.64  663.98   10675  663.5210770.57  644.9610949.88  617.1211010.97  617.12
11055.74  625.5811190.84  653.2811305.55  674.9611718.84  667.06 11887.4  663.12
11946.89  661.2712173.71  656.9312442.67  653.2312762.71  647.1213439.57  637.84
14998.38  637.8415254.94  637.1215914.47  637.1216421.87   646.416485.91  655.68
16799.27  648.9916806.71  648.11 16920.4  645.6217622.87  608.14 18220.9  598.56
18353.03  589.1618818.25  588.7218938.27  579.3319127.15  567.1819688.51  567.18
19870.09   570.320044.18  598.5620127.23  608.3620145.02  610.2120368.26  616.14
20780.33  622.5221187.93  621.2923165.27   613.623273.17   613.623488.08  614.96
23815.78  616.3124739.43  622.1624980.44  631.4426549.56  640.7226907.62  645.13
27303.87  650.2327912.96  669.1628122.69  669.2829166.25  669.2829761.14  668.56
30017.55  668.5630555.05  659.2830777.62  653.8930938.25  650.1131069.35  640.93
31208.51  641.0331483.81   650.531785.06  653.0232813.27  663.0433435.25   667.8
34341.59  679.7634475.19  680.7835052.94  680.8835085.44  681.1336577.65  698.29
37554.57  705.1537739.46  711.6538068.96  724.8638107.77  726.2438394.84  735.78
38705.38  747.5938853.42  752.8839578.48     79040230.09  796.1740558.68     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 18220.9     .1520044.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       18220.920044.18                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                       Flow Area (sq ft)       1504011.00   330881.20   1919236.00
  E.G. Slope (ft/ft)       0.000068    Area (sq ft)            1504011.00   330881.20   1919236.00
  Q Total (cfs)            6730000.00    Flow (cfs)              2458799.00   865090.60   3406111.00
  Top Width (ft)           37537.62    Top Width (ft)          16772.23    1823.28   18942.11
  Vel Total (ft/s)             1.79    Avg. Vel. (ft/s)            1.63       2.61       1.77
  Max Chl Dpth (ft)          192.50    Hydr. Depth (ft)           89.67     181.48     101.32
  Conv. Total (cfs)        816337500.0    Conv. (cfs)            298248000.0   104934000.0   413155400.0
  Length Wtd. (ft)             5.00    Wetted Per. (ft)        16792.56    1826.68   18945.52
  Min Ch El (ft)             567.18    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                        1.07    Stream Power (lb/ft s)      0.62       2.01       0.76
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    29897.30    5211.28   34272.32
  C & E Loss (ft)              0.00    Cum SA (acres)            139.67      15.52     156.07


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274176.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   209.9  790.32  682.91  770.88 1438.74   760.2 1628.93  750.56
 1932.68  744.14 2110.81  740.71  2483.3  740.71 2838.89  738.19 3793.94  728.79
 3870.32  724.49 3967.37  719.29 3979.41  719.02 4193.87  714.96  4385.2  710.71
 4537.27  706.23 4700.54   701.2 5099.64  691.37 5586.05  686.21 5948.04  682.86
 6103.81  681.32  6273.3  671.93 6346.22   662.6 6732.51  662.36 7104.67  668.75
  7254.8  671.42 7489.33  652.84 7666.71  643.55 7742.59  634.26 7794.82  634.26
  7955.1  640.74 8186.92  650.83 8254.03  653.25 8391.99  661.93 8779.27  669.52
 8830.32  675.88 8995.08  695.97 9307.46  693.72 9322.48  692.21 9506.52  674.92
 9654.34  674.83 9925.33  693.2510111.58  693.14 10306.7  674.4410505.14  669.34
10658.86  664.0710677.22  663.6110772.81  645.0310952.16  617.1611013.26  617.16
11058.04  625.6311193.17  653.3211307.91  675.0311721.28  667.1311889.88  663.19
11949.38  661.3412176.25  657.0112445.26  653.2812765.37  647.1613442.36  637.87
 15001.5  637.8715258.12  637.1615917.79  637.1616425.29  646.4516489.34  655.74
16802.77  649.0416810.21  648.1716923.92  645.6817626.54  608.17 18224.7  598.58
18356.96  589.1718822.66  588.7418942.81  579.3419131.89  567.1819693.49  567.18
19875.24   570.320049.49  598.5820132.54  608.3620150.32  610.2120373.54   616.1
20785.56  622.4921193.12  621.2523170.22  613.5523278.11  613.55   23493  614.91
23820.65  616.28 24744.2  622.1324985.19  631.4226554.12  640.7126912.14  645.12
27308.34  650.2327917.36  669.1728127.07  669.29 29170.5  669.2929765.33  668.58
30021.71  668.5830559.14  659.2930781.69  653.89 30942.3  650.1131073.38  640.92
31212.53  641.01 31487.8   650.531789.02  653.0132817.11  663.0133439.01  667.77
34345.25  679.6834478.83   680.735056.52  680.8635089.01  681.1136581.05  698.21
37557.85  705.0837742.72  711.5838072.18  724.7938110.99  726.1738398.03  735.73
38708.53  747.5538856.56  752.8439581.54     79040233.06  796.1840561.61     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 18224.7     .1520049.49     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       18224.720049.49                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                       Flow Area (sq ft)       1503969.00   331137.70   1919548.00
```

```
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1503969.00   331137.70   1919548.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2457868.00   865564.80   3406568.00
  Top Width (ft)          37541.07    Top Width (ft)          16775.73    1824.79   18940.55
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.63       2.61       1.77
  Max Chl Dpth (ft)         192.50    Hydr. Depth (ft)           89.65     181.47     101.35
  Conv. Total (cfs)       816493900.0    Conv. (cfs)             298192300.0   105011600.0   413290000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16796.09    1828.19   18943.96
  Min Ch El (ft)            567.18    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.62       2.01       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29724.67    5173.28   34052.01
  C & E Loss (ft)             0.00    Cum SA (acres)            137.74      15.31     153.90


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274173.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  209.94  790.32  683.05  770.86 1439.04  760.19 1629.27  750.55
 1933.08  744.14 2111.25   740.7 2483.82   740.7 2839.48  738.18 3794.73  728.81
 3871.12   724.5  3968.2   719.3 3980.24  719.03 4194.75  714.96 4386.11   710.7
 4538.21  706.22 4701.52  701.18 5100.71  691.35 5587.21   686.2 5949.27  682.84
 6105.08  681.31 6274.61   671.9 6347.54  662.56 6733.92  662.33 7106.15  668.73
 7256.31   671.4 7490.89   652.8 7668.31   643.5  7744.2   634.2 7796.44   634.2
 7956.75  640.69 8188.62  650.78 8255.75  653.21 8393.74  661.91  8781.1  669.52
 8832.16   675.9 8996.95  696.03  9309.4  693.81 9324.42   692.3  9508.5  674.99
 9656.35   674.9  9927.4  693.3410113.69  693.2310308.84  674.5210507.33  669.42
10661.08  664.1610679.45   663.710775.05   645.110954.44   617.211015.55   617.2
11060.34  625.68 11195.5  653.3711310.26   675.111723.72  667.1911892.35  663.26
11951.87  661.4212178.78  657.0812447.85  653.3312768.03   647.213445.16   637.9
15004.62   637.915261.29   637.2 15921.1   637.216428.71   646.516492.77   655.8
16806.27  649.0916813.71  648.2316927.44  645.7417630.21   608.218228.49   598.6
18360.89  589.1818827.07  588.7618947.35  579.3519136.62  567.1819698.47  567.18
19880.39   570.320054.81   598.620137.84  608.3620155.63  610.2120378.81  616.07
20790.79  622.45 21198.3  621.2123175.18   613.523283.05   613.523497.92  614.86
23825.53  616.2424748.97   622.124989.93   631.426558.69   640.726916.66  645.11
27312.82  650.2327921.77  669.1828131.45   669.329174.76   669.329769.52   668.6
30025.87   668.630563.24   659.330785.76   653.930946.36  650.1131077.42   640.9
31216.55     64131491.79  650.4931792.97  653.0132820.94  662.9833442.77  667.75
34348.91  679.5934482.48  680.6135060.09  680.8435092.58  681.0936584.44  698.12
37561.13  705.0137745.98  711.52 38075.4  724.7238114.21  726.1138401.21  735.68
38711.68   747.538859.69   752.839584.58     79040236.03  796.1840564.55     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518228.49     .1520054.81     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18228.4920054.81                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503921.00   331397.40   1919870.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1503921.00   331397.40   1919870.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2456902.00   866045.90   3407052.00
  Top Width (ft)          37544.71    Top Width (ft)          16779.41    1826.32   18938.97
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.63       2.61       1.77
  Max Chl Dpth (ft)         192.50    Hydr. Depth (ft)           89.63     181.46     101.37
  Conv. Total (cfs)       816651300.0    Conv. (cfs)             298132600.0   105090300.0   413428400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16799.81    1829.72   18942.39
  Min Ch El (ft)            567.18    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.62       2.01       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29552.04    5135.26   33831.66
  C & E Loss (ft)             0.00    Cum SA (acres)            135.82      15.10     151.72


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274170.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  209.99  790.32  683.19  770.85 1439.34  760.19 1629.61  750.54
 1933.48  744.13 2111.69  740.69 2484.34  740.69 2840.07  738.16 3795.52  728.82
 3871.93  724.52 3969.03  719.31 3981.06  719.04 4195.62  714.95 4387.03  710.69
 4539.16   706.2  4702.5  701.17 5101.77  691.33 5588.37  686.18 5950.51  682.82
 6106.35  681.29 6275.91  671.88 6348.86  662.52 6735.32  662.29 7107.63   668.7
 7257.82  671.38 7492.45  652.76  7669.9  643.45 7745.81  634.14 7798.06  634.14
 7958.41  640.64 8190.33  650.73 8257.47  653.16 8395.49  661.88 8782.92  669.53
 8833.99  675.92 8998.83  696.09 9311.34   693.9 9326.36  692.39 9510.48  675.06
 9658.36  674.98 9929.47  693.4410115.79  693.3310310.99   674.610509.51  669.49
 10663.3  664.2510681.67  663.79 10777.3  645.1710956.72  617.2411017.84  617.24
11062.65  625.7311197.83  653.4211312.61  675.1711726.16  667.2511894.83  663.33
11954.36   661.512181.31  657.1512450.44  653.3712770.68  647.2413447.96  637.93
15007.75  637.9315264.47  637.2415924.41  637.2416432.12  646.55 16496.2  655.86
16809.77  649.1516817.21   648.316930.96   645.817633.87  608.2218232.28  598.62
18364.82  589.1918831.49  588.7718951.89  579.3619141.35  567.1819703.45  567.18
19885.54  570.2920060.13  598.6220143.15  608.3620160.94   610.220384.09  616.03
20796.03  622.4221203.49  621.1723180.13  613.45   23288  613.4523502.84  614.81
23830.41  616.2124753.74  622.0724994.68  631.3826563.25  640.6926921.18  645.11
27317.29  650.2327926.17  669.1928135.83  669.3129179.02  669.3129773.71  668.62
30030.03  668.6230567.34  659.3130789.83   653.930950.41  650.1131081.46  640.89
31220.57  640.9931495.78  650.4831796.92     65332824.77  662.9533446.54  667.72
34352.56   679.534486.12  680.5335063.66  680.8235096.15  681.0736587.84  698.03
37564.42  704.9437749.25  711.4638078.63  724.6538117.43  726.04 38404.4  735.63
38714.83  747.4538862.82  752.7639587.63     790   40239  796.1940567.48     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518232.28     .1520060.13     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      18232.2820060.13                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503903.00   331662.00   1920195.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1503903.00   331662.00   1920195.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2455988.00   866530.60   3407481.00
  Top Width (ft)          37548.16    Top Width (ft)          16782.91    1827.85   18937.40
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.63       2.61       1.77
  Max Chl Dpth (ft)         192.50    Hydr. Depth (ft)           89.61     181.45     101.40
  Conv. Total (cfs)       816824100.0    Conv. (cfs)             298084700.0   105171300.0   413568000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16803.34    1831.26   18940.81
  Min Ch El (ft)            567.18    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.62       2.01       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29379.41    5097.21   33611.27
  C & E Loss (ft)             0.00    Cum SA (acres)            133.89      14.89     149.55


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274167.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  210.03  790.31  683.34  770.84 1439.64  760.19 1629.95  750.53
 1933.88  744.13 2112.13  740.68 2484.86  740.68 2840.66  738.15 3796.31  728.84
 3872.73  724.54 3969.85  719.32 3981.89  719.05 4196.49  714.95 4387.94  710.68
  4540.1  706.19 4703.48  701.15 5102.83  691.31 5589.54  686.17 5951.75  682.81
 6107.62  681.27 6277.22  671.85 6350.19  662.49 6736.72  662.26  7109.1  668.68
 7259.33  671.36 7494.01  652.72  7671.5   643.4 7747.42  634.08 7799.68  634.08
 7960.06  640.59 8192.03  650.68 8259.19  653.12 8397.23  661.85 8784.75  669.54
 8835.83  675.93  9000.7  696.14 9313.28  693.98  9328.3  692.47 9512.46  675.13
 9660.37  675.05 9931.53  693.53 10117.9  693.4310313.13  674.67 10511.7  669.57
10665.52  664.3410683.89  663.8810779.54  645.24   10959  617.2811020.14  617.28
11064.95  625.7811200.16  653.4611314.97  675.24 11728.6  667.31 11897.3   663.4
11956.84  661.5712183.85  657.2212453.03  653.4212773.34  647.2813450.76  637.96
15010.87  637.9615267.64  637.2815927.72  637.2816435.54   646.616499.63  655.92
16813.26   649.216820.71  648.3616934.48  645.8717637.54  608.2518236.08  598.64
18368.75   589.2 18835.9  588.7918956.42  579.3619146.09  567.1719708.43  567.17
19890.69  570.2920065.44  598.6420148.46  608.3620166.24   610.220389.37  615.99
20801.26  622.3821208.67  621.1323185.09   613.423292.94   613.423507.75  614.77
23835.29  616.1724758.52  622.0424999.42  631.3626567.81  640.68 26925.7   645.1
27321.76  650.2227930.57   669.228140.21  669.3229183.28  669.32 29777.9  668.64
30034.19  668.6430571.43  659.32 30793.9  653.9130954.46  650.11 31085.5  640.88
31224.59  640.9731499.77  650.4831800.88  652.9932828.61  662.93 33450.3   667.7
34356.22  679.4234489.76  680.4435067.24   680.835099.72  681.0536591.24  697.94
 37567.7  704.8737752.51  711.3938081.85  724.5838120.65  725.9738407.59  735.59
38717.98  747.4138865.96  752.7239590.68     79040241.98   796.240570.42     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518236.08    .1520065.44     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18236.0820065.44                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503857.00   331927.00   1920515.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1503857.00   331927.00   1920515.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2455031.00   867035.10   3407934.00
  Top Width (ft)          37551.61    Top Width (ft)          16786.41    1829.36   18935.84
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.63       2.61       1.77
  Max Chl Dpth (ft)         192.51    Hydr. Depth (ft)           89.59     181.44     101.42
  Conv. Total (cfs)       816987100.0    Conv. (cfs)             298028000.0   105253600.0   413705600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16806.87    1832.77   18939.26
  Min Ch El (ft)            567.17    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.62       2.00       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29206.79    5059.12   33390.84
  C & E Loss (ft)             0.00    Cum SA (acres)            131.96      14.68     147.37


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274164.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  210.07  790.31  683.48  770.83 1439.94  760.19 1630.29  750.53
 1934.29  744.12 2112.57  740.67 2485.37  740.67 2841.26  738.14  3797.1  728.86
 3873.54  724.55 3970.68  719.33 3982.72  719.06 4197.37  714.94 4388.85  710.67
 4541.05  706.17 4704.45  701.13 5103.89  691.29  5590.7  686.15 5952.99  682.79
 6108.89  681.25 6278.52  671.82 6351.51  662.45 6738.12  662.23 7110.58  668.66
 7260.84  671.34 7495.57  652.68 7673.09  643.35 7749.03  634.02 7801.31  634.02
 7961.72  640.53 8193.73  650.62  8260.9  653.07 8398.98  661.83 8786.58  669.54
 8837.67  675.95 9002.57   696.2 9315.21  694.07 9330.24  692.56 9514.44  675.21
 9662.38  675.12  9933.6  693.63   10120  693.5210315.28  674.7510513.89  669.64
10667.74  664.4310686.11  663.9710781.78  645.3110961.28  617.3211022.43  617.32
11067.25  625.8311202.49  653.5111317.32  675.3111731.04  667.3711899.77  663.46
11959.33  661.6512186.38  657.2912455.62  653.47   12776  647.3213453.56  637.99
15013.99  637.9915270.82  637.3215931.04  637.3216438.96  646.6516503.07  655.98
16816.76  649.2516824.21  648.4216938.01  645.9317641.21  608.2718239.87  598.66
18372.68  589.2118840.31  588.8118960.96  579.3719150.82  567.1719713.41  567.17
19895.85  570.2820070.76  598.6620153.76  608.3520171.54   610.220394.65  615.96
20806.49  622.3521213.85  621.0923190.04  613.3523297.88  613.3523512.67  614.72
23840.17  616.1324763.29  622.0125004.16  631.3426572.37  640.6726930.22   645.1
27326.24  650.2227934.98  669.2128144.59  669.3329187.54  669.3329782.09  668.66
30038.35  668.6630575.53  659.3330797.97  653.9130958.51  650.1131089.53  640.86
31228.62  640.9631503.76  650.4731804.83  652.9832832.44   662.933454.06  667.68
34359.88  679.33 34493.4  680.3635070.81  680.7835103.29  681.0336594.63  697.85
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37570.98   704.837755.77  711.3338085.07   724.538123.87   725.938410.77  735.54
38721.13  747.3638869.09  752.6839593.73     79040244.95   796.240573.36     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518239.87     .1520070.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18239.8720070.76                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503828.00   332188.80   1920838.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1503828.00   332188.80   1920838.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2454107.00   867513.10   3408380.00
  Top Width (ft)          37555.04    Top Width (ft)          16789.89    1830.89   18934.26
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.63       2.61       1.77
  Max Chl Dpth (ft)         192.51    Hydr. Depth (ft)           89.57     181.44     101.45
  Conv. Total (cfs)       817154600.0    Conv. (cfs)            297976900.0   105333200.0   413844500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16810.38    1834.30   18937.68
  Min Ch El (ft)            567.17    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.62       2.00       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29034.17    5021.00   33170.38
  C & E Loss (ft)             0.00    Cum SA (acres)            130.04      14.47     145.20


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274161.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  210.12   790.3  683.62  770.81 1440.24  760.18 1630.62  750.52
 1934.69  744.11 2113.01  740.66 2485.89  740.66 2841.85  738.13 3797.89  728.88
 3874.34  724.57  3971.5  719.34 3983.55  719.07 4198.24  714.94 4389.76  710.66
 4541.99  706.16 4705.43  701.11 5104.95  691.27 5591.86  686.14 5954.23  682.77
 6110.16  681.23 6279.83  671.79 6352.83  662.41 6739.52  662.19 7112.06  668.64
 7262.35  671.32 7497.12  652.64 7674.69   643.3 7750.65  633.96 7802.93  633.96
 7963.38  640.48 8195.44  650.57 8262.62  653.02 8400.73   661.8 8788.41  669.55
 8839.51  675.97 9004.44  696.26 9317.15  694.16 9332.18  692.65 9516.42  675.28
 9664.39  675.19 9935.66  693.7210122.11  693.6210317.42  674.8310516.07  669.72
10669.96  664.5210688.34  664.0610784.02  645.3810963.56  617.3611024.72  617.36
11069.55  625.8811204.82  653.5611319.67  675.3811733.48  667.4311902.25  663.53
11961.82  661.7312188.92  657.3712458.21  653.5112778.65  647.3613456.35  638.02
15017.11  638.0215273.99  637.3615934.35  637.3616442.38   646.7 16506.5  656.04
16820.26   649.3 16827.7  648.4816941.53  645.9917644.88   608.318243.66  598.68
18376.61  589.2318844.73  588.83 18965.5  579.3819155.56  567.1719718.39  567.17
   19901  570.2820076.08  598.6820159.07  608.3520176.85  610.1920399.93  615.92
20811.72  622.3121219.04  621.04   23195   613.323302.82   613.323517.59  614.67
23845.05   616.124768.06  621.9825008.91  631.3226576.93  640.6626934.74  645.09
27330.71  650.2227939.38  669.2328148.97  669.3429191.79  669.3429786.28  668.68
30042.51  668.6830579.63  659.3430802.04  653.9230962.56  650.1131093.57  640.85
31232.63  640.9431507.75  650.4631808.79  652.9832836.28  662.8733457.82  667.65
34363.53  679.2434497.04  680.2735074.39  680.7635106.86  681.0136598.03  697.76
37574.27  704.7337759.03  711.27 38088.3  724.4338127.09  725.8338413.96  735.49
38724.28  747.3238872.22  752.6439596.78     79040247.93  796.2140576.29     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518243.66     .1520076.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18243.6620076.08                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503788.00   332445.30   1921174.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1503788.00   332445.30   1921174.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2453145.00   867973.20   3408882.00
  Top Width (ft)          37558.67    Top Width (ft)          16793.57    1832.42   18932.68
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.63       2.61       1.77
  Max Chl Dpth (ft)         192.51    Hydr. Depth (ft)           89.55     181.42     101.47
  Conv. Total (cfs)       817318100.0    Conv. (cfs)            297919700.0   105410100.0   413988300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16814.09    1835.83   18936.10
  Min Ch El (ft)            567.17    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.62       2.00       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28861.56    4982.86   32949.88
  C & E Loss (ft)             0.00    Cum SA (acres)            128.11      14.26     143.03


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274158.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  210.16   790.3  683.76   770.8 1440.54  760.18 1630.96  750.51
 1935.09  744.11 2113.44  740.65 2486.41  740.65 2842.44  738.11 3798.68  728.89
 3875.15  724.58 3972.33  719.35 3984.38  719.08 4199.11  714.93 4390.68  710.65
 4542.94  706.14 4706.41   701.1 5106.01  691.25 5593.02  686.12 5955.46  682.75
 6111.43  681.21 6281.13  671.77 6354.15  662.38 6740.92  662.16 7113.54  668.61
 7263.86   671.3 7498.68   652.6 7676.28  643.25 7752.26   633.9 7804.55   633.9
 7965.03  640.43 8197.14  650.52 8264.34  652.98 8402.47  661.77 8790.23  669.56
 8841.35  675.98 9006.31  696.31 9319.09  694.25 9334.12  692.74  9518.4  675.35
  9666.4  675.27 9937.73  693.8210124.21  693.7210319.57  674.9110518.26  669.79
10672.17  664.6110690.56  664.1510786.26  645.4510965.84   617.411027.01   617.4
11071.85  625.9311207.15   653.611322.03  675.4511735.92  667.4911904.72   663.6
 11964.3   661.812191.45  657.44 12460.8  653.5612781.31   647.413459.15  638.05
15020.23  638.0515277.17   637.415937.66   637.4 16445.8  646.7516509.93   656.1
16823.75  649.36 16831.2  648.5516945.05  646.0517648.55  608.3218247.46   598.7
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18380.54  589.2418849.14  588.8418970.04  579.3919160.29  567.1719723.37  567.17
19906.15  570.2720081.39   598.720164.38  608.3520182.16  610.1920405.21  615.89
20816.95  622.2821224.22     62123199.95  613.2523307.77  613.25 23522.5  614.62
23849.93  616.0624772.83  621.9525013.65   631.326581.49  640.6526939.26  645.09
27335.19  650.2127943.78  669.2428153.35  669.3529196.05  669.3529790.47   668.7
30046.67   668.730583.72  659.3530806.11  653.9230966.62   650.131097.61  640.84
31236.66  640.9331511.73  650.4631812.74  652.9732840.11  662.8433461.58  667.63
34367.19  679.1634500.68  680.1935077.96  680.7435110.43  680.9936601.43  697.68
37577.55  704.65 37762.3   711.238091.52  724.3638130.31  725.7638417.14  735.44
38727.43  747.2738875.36   752.639599.83     790 40250.9  796.2240579.23     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518247.46     .1520081.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18247.4620081.39                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503765.00   332706.20   1921489.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1503765.00   332706.20   1921489.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2452238.00   868454.90   3409307.00
  Top Width (ft)          37562.12    Top Width (ft)          16797.07    1833.93   18931.11
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.63       2.61       1.77
  Max Chl Dpth (ft)         192.51    Hydr. Depth (ft)           89.53     181.42     101.50
  Conv. Total (cfs)       817484600.0    Conv. (cfs)            297870300.0   105490100.0   414124200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16817.63    1837.34   18934.53
  Min Ch El (ft)            567.17    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.62       2.00       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28688.95    4944.69   32729.34
  C & E Loss (ft)             0.00    Cum SA (acres)            126.18      14.05     140.85


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274155.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   210.2  790.29   683.9  770.79 1440.84  760.18  1631.3   750.5
 1935.49   744.1 2113.88  740.64 2486.92  740.64 2843.03   738.1 3799.46  728.91
 3875.95   724.6 3973.15  719.36 3985.21  719.09 4199.98  714.93 4391.59  710.64
 4543.88  706.13 4707.39  701.08 5107.07  691.23 5594.19  686.11  5956.7  682.73
  6112.7  681.19 6282.44  671.74 6355.47  662.34 6742.32  662.13 7115.02  668.59
 7265.37  671.28 7500.24  652.56 7677.88   643.2 7753.87  633.84 7806.17  633.84
 7966.69  640.37 8198.85  650.46 8266.06  652.93 8404.22  661.74 8792.06  669.56
 8843.18     676 9008.19  696.37 9321.03  694.34 9336.06  692.83 9520.37  675.42
  9668.4  675.34 9939.79  693.9110126.31  693.8110321.71  674.9910520.45  669.87
10674.39   664.710692.78  664.2410788.51  645.5210968.12  617.44 11029.3  617.44
11074.15  625.9811209.48  653.6511324.38  675.5211738.35  667.56 11907.2  663.67
11966.79  661.8812193.98  657.5112463.39  653.6112783.97  647.4413461.95  638.08
15023.36  638.0815280.35  637.4415940.98  637.4416449.22   646.816513.36  656.16
16827.25  649.41 16834.7  648.6116948.57  646.1117652.21  608.3518251.25  598.72
18384.47  589.2518853.55  588.8618974.58   579.419165.02  567.1719728.34  567.17
 19911.3  570.2720086.71  598.7220169.69  608.3520187.46  610.1920410.49  615.85
20822.18  622.2421229.41  620.9623204.91   613.223312.71   613.223527.42  614.57
23854.81  616.02 24777.6  621.9225018.39  631.2826586.05  640.6426943.78  645.08
27339.66  650.2127948.19  669.2528157.72  669.3629200.31  669.3629794.66  668.72
30050.83  668.7230587.82  659.3630810.18  653.9230970.67   650.131101.64  640.83
31240.68  640.9131515.72  650.4531816.69  652.9632843.95  662.8133465.34   667.6
34370.85  679.0734504.32   680.135081.54  680.71   35114  680.9736604.82  697.59
37580.84  704.5837765.56  711.1438094.75  724.2938133.53  725.6938420.33   735.4
38730.58  747.2338878.49  752.5639602.88     79040253.87  796.2240582.16     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518251.25     .1520086.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18251.2520086.71                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503723.00   332966.00   1921830.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1503723.00   332966.00   1921830.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2451277.00   868922.20   3409801.00
  Top Width (ft)          37565.55    Top Width (ft)          16800.56    1835.46   18929.53
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.63       2.61       1.77
  Max Chl Dpth (ft)         192.51    Hydr. Depth (ft)           89.50     181.41     101.53
  Conv. Total (cfs)       817653800.0    Conv. (cfs)            297815100.0   105568700.0   414270000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16821.15    1838.88   18932.94
  Min Ch El (ft)            567.17    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.62       2.00       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28516.35    4906.48   32508.76
  C & E Loss (ft)             0.00    Cum SA (acres)            124.25      13.84     138.68


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274152.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  210.25  790.29  684.05  770.78 1441.14  760.18 1631.64   750.5
  1935.9  744.09 2114.32  740.63 2487.44  740.63 2843.62  738.09 3800.25  728.93
 3876.76  724.61 3973.98  719.37 3986.03   719.1 4200.86  714.92  4392.5  710.63
 4544.82  706.11 4708.37  701.06 5108.13  691.21 5595.35  686.09 5957.94  682.71
 6113.97  681.18 6283.75  671.71 6356.79   662.3 6743.72  662.09  7116.5  668.57
 7266.88  671.26  7501.8  652.52 7679.48  643.15 7755.48  633.78  7807.8  633.78
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 7968.34  640.32 8200.55  650.41 8267.77  652.89 8405.97  661.72 8793.89  669.57
 8845.02  676.02 9010.06  696.43 9322.96  694.43    9338  692.92 9522.35  675.49
 9670.41  675.41 9941.86  694.0110128.42  693.9110323.86  675.0710522.63  669.94
10676.61  664.79   10695  664.3310790.75  645.59 10970.4  617.48 11031.6  617.48
11076.46  626.0311211.81   653.711326.73  675.5911740.79  667.6211909.67  663.74
11969.28  661.9612196.52  657.5812465.98  653.6512786.62  647.4813464.75  638.11
15026.48  638.1115283.52  637.4815944.29  637.4816452.63  646.8516516.79  656.22
16830.75  649.46 16838.2  648.67 16952.1  646.1717655.88  608.3818255.04  598.74
 18388.4  589.2618857.96  588.8818979.11  579.4119169.76  567.1719733.32  567.17
19916.45  570.2720092.03  598.7420174.99  608.3520192.77  610.1920415.77  615.81
20827.41  622.2121234.59  620.9223209.86  613.1523317.65  613.1523532.34  614.52
23859.69  615.9924782.38  621.8925023.14  631.2626590.62  640.63 26948.3  645.08
27344.13  650.2127952.59  669.26 28162.1  669.3729204.57  669.3729798.84  668.74
30054.99  668.7430591.92  659.3730814.25  653.9330974.72   650.131105.68  640.81
 31244.7   640.931519.71  650.4431820.64  652.9532847.78  662.7833469.11  667.58
 34374.5  678.9834507.96  680.0235085.11  680.6935117.57  680.9436608.22   697.5
37584.12  704.5137768.82  711.0838097.97  724.2238136.75  725.6238423.52  735.35
38733.73  747.1838881.62  752.5239605.93     79040256.84  796.2340585.09     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518255.04     .1520092.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18255.0420092.03                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503684.00   333225.50   1922154.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1503684.00   333225.50   1922154.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2450339.00   869394.70   3410267.00
  Top Width (ft)          37568.98    Top Width (ft)          16804.05    1836.99   18927.95
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.63       2.61       1.77
  Max Chl Dpth (ft)         192.51    Hydr. Depth (ft)           89.48     181.40     101.55
  Conv. Total (cfs)       817817000.0    Conv. (cfs)            297760600.0   105647200.0   414409200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16824.67    1840.41   18931.36
  Min Ch El (ft)            567.17    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.62       2.00       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28343.74    4868.25   32288.15
  C & E Loss (ft)             0.00    Cum SA (acres)            122.33      13.63     136.51


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274149.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  210.29  790.28  684.19  770.76 1441.43  760.17 1631.98  750.49
  1936.3  744.09 2114.76  740.62 2487.96  740.62 2844.21  738.08 3801.04  728.94
 3877.56  724.63 3974.81  719.38 3986.86  719.11 4201.73  714.92 4393.41  710.62
 4545.77   706.1 4709.35  701.05  5109.2   691.2 5596.51  686.08 5959.18   682.7
 6115.24  681.16 6285.05  671.69 6358.11  662.27 6745.13  662.06 7117.98  668.54
 7268.39  671.24 7503.36  652.48 7681.07   643.1 7757.09  633.72 7809.42  633.72
    7970  640.27 8202.25  650.36 8269.49  652.84 8407.71  661.69 8795.71  669.58
 8846.86  676.04 9011.93  696.48  9324.9  694.51 9339.94  693.01 9524.33  675.56
 9672.42  675.49 9943.93   694.110130.52  694.0110326.01  675.1410524.82  670.02
10678.83  664.8810697.22  664.4210792.99  645.6610972.68  617.5211033.89  617.52
11078.76  626.0711214.14  653.7411329.09  675.6611743.23  667.6811912.15   663.8
11971.76  662.0312199.05  657.6512468.57   653.712789.28  647.5213467.54  638.14
 15029.6  638.14 15286.7  637.52 15947.6  637.5216456.05   646.916520.23  656.28
16834.24  649.51 16841.7  648.7316955.62  646.2317659.55   608.418258.83  598.76
18392.33  589.2718862.38   588.918983.65  579.4219174.49  567.17 19738.3  567.17
 19921.6  570.2620097.35  598.76 20180.3  608.3520198.07  610.1820421.05  615.78
20832.65  622.1721239.78  620.8823214.81   613.123322.59   613.123537.26  614.47
23864.57  615.9524787.15  621.8625027.88  631.2426595.18  640.6226952.82  645.07
27348.61   650.227956.99  669.2728166.48  669.3829208.82  669.3829803.03  668.76
30059.14  668.7630596.01  659.3830818.32  653.9330978.77   650.131109.72   640.8
31248.72  640.89 31523.7  650.43 31824.6  652.9532851.61  662.7533472.87  667.56
34378.16   678.934511.61  679.9335088.68  680.6735121.14  680.9236611.62  697.41
 37587.4  704.4437772.08  711.02 38101.2  724.1538139.97  725.56 38426.7   735.3
38736.88  747.1338884.75  752.4839608.97     79040259.82  796.2440588.03     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518258.83     .1520097.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18258.8320097.35                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503646.00   333486.60   1922476.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1503646.00   333486.60   1922476.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2449389.00   869875.20   3410736.00
  Top Width (ft)          37572.61    Top Width (ft)          16807.73    1838.52   18926.36
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.63       2.61       1.77
  Max Chl Dpth (ft)         192.51    Hydr. Depth (ft)           89.46     181.39     101.58
  Conv. Total (cfs)       817979100.0    Conv. (cfs)            297704200.0   105726600.0   414548400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16828.39    1841.94   18929.78
  Min Ch El (ft)            567.17    Shear (lb/sq ft)            0.38       0.77       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.62       2.00       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28171.15    4829.98   32067.49
  C & E Loss (ft)             0.00    Cum SA (acres)            120.40      13.42     134.34


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274147.*

INPUT
Description:
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Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  210.34  790.28  684.33  770.75 1441.73  760.17 1632.32  750.48
  1936.7  744.08  2115.2  740.61 2488.47  740.61  2844.8  738.06 3801.83  728.96
 3878.37  724.64 3975.63  719.39 3987.69  719.12  4202.6  714.91 4394.33  710.61
 4546.71  706.08 4710.32  701.03 5110.26  691.18 5597.67  686.06 5960.42  682.68
 6116.51  681.14 6286.36  671.66 6359.43  662.23 6746.53  662.03 7119.46  668.52
  7269.9  671.22 7504.92  652.44 7682.67  643.05  7758.7  633.66 7811.04  633.66
 7971.65  640.21 8203.96  650.31 8271.21   652.8 8409.46  661.66 8797.54  669.58
  8848.7  676.05  9013.8  696.54 9326.84   694.6 9341.88  693.09 9526.31  675.64
 9674.43  675.56 9945.99   694.210132.63   694.110328.15  675.22   10527  670.09
10681.05  664.9810699.45  664.5110795.23  645.7310974.96  617.5611036.18  617.56
11081.06  626.1211216.47  653.7911331.44  675.7311745.67  667.7411914.62  663.87
11974.25  662.1112201.59  657.7312471.16  653.7512791.94  647.5613470.34  638.17
15032.72  638.1715289.87  637.5615950.92  637.5616459.47  646.9516523.66  656.34
16837.74  649.57 16845.2   648.816959.14  646.2917663.22  608.4318262.63  598.78
18396.26  589.2918866.79  588.9218988.19  579.4319179.23  567.1719743.28  567.17
19926.76  570.2620102.66  598.7820185.61  608.3420203.38  610.1820426.33  615.74
20837.88  622.1421244.96  620.8423219.77  613.0523327.53  613.0523542.17  614.43
23869.45  615.9124791.92  621.8325032.63  631.2226599.74  640.6126957.34  645.07
27353.08   650.2 27961.4  669.2828170.86  669.3929213.08  669.3929807.22  668.78
 30063.3  668.7830600.11  659.39 30822.4  653.9430982.82   650.131113.75  640.79
31252.74  640.8731527.69  650.4331828.55  652.9432855.45  662.7233476.63  667.53
34381.82  678.8134515.25  679.8435092.26  680.6535124.71   680.936615.02  697.32
37590.69  704.3737775.34  710.9538104.42  724.0838143.19  725.4938429.89  735.25
38740.03  747.0938887.89  752.4439612.02     79040262.79  796.2440590.96     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518262.63     .1520102.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18262.6320102.66                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503616.00   333739.80   1922807.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1503616.00   333739.80   1922807.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2448467.00   870323.40   3411210.00
  Top Width (ft)          37576.05    Top Width (ft)          16811.24    1840.03   18924.79
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.63       2.61       1.77
  Max Chl Dpth (ft)         192.51    Hydr. Depth (ft)           89.44     181.38     101.60
  Conv. Total (cfs)       818145300.0    Conv. (cfs)            297652500.0   105802500.0   414690200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16831.92    1843.45   18928.21
  Min Ch El (ft)            567.17    Shear (lb/sq ft)            0.38       0.76       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.61       1.99       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27998.55    4791.69   31846.80
  C & E Loss (ft)             0.00    Cum SA (acres)            118.47      13.21     132.16


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274144.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  210.38  790.27  684.47  770.74 1442.03  760.17 1632.66  750.47
  1937.1  744.07 2115.64   740.6 2488.99   740.6 2845.39  738.05 3802.62  728.98
 3879.18  724.66 3976.46   719.4 3988.52  719.13 4203.48   714.9 4395.24   710.6
 4547.66  706.07  4711.3  701.01 5111.32  691.16 5598.84  686.05 5961.65  682.66
 6117.78  681.12 6287.66  671.63 6360.75  662.19 6747.93  661.99 7120.93   668.5
 7271.41   671.2 7506.48   652.4 7684.26     643 7760.31   633.6 7812.66   633.6
 7973.31  640.16 8205.66  650.25 8272.93  652.75 8411.21  661.64 8799.37  669.59
 8850.53  676.07 9015.67   696.6 9328.77  694.69 9343.82  693.18 9528.29  675.71
 9676.44  675.63 9948.06  694.2910134.73   694.2 10330.3   675.310529.19  670.17
10683.27  665.0710701.67   664.610797.47   645.810977.24   617.611038.47   617.6
11083.36  626.1711218.79  653.8411333.79   675.811748.11   667.8 11917.1  663.94
11976.74  662.1912204.12   657.812473.75  653.7912794.59   647.613473.14   638.2
15035.84   638.215293.05   637.615954.23   637.616462.89    64716527.09   656.4
16841.24  649.62 16848.7  648.8616962.66  646.3517666.89  608.4518266.42   598.8
18400.19   589.318871.21  588.9318992.73  579.4419183.96  567.1719748.26  567.17
19931.91  570.2520107.98   598.820190.92  608.3420208.68  610.1820431.61   615.7
20843.11   622.121250.14  620.7923224.72     61323332.48    61323547.09  614.38
23874.32  615.8824796.69   621.825037.37   631.2 26604.3   640.626961.86  645.06
27357.56   650.2 27965.8   669.328175.24   669.429217.34   669.429811.41   668.8
30067.46   668.830604.21   659.430826.47  653.9430986.88   650.131117.79  640.77
31256.76  640.8631531.68  650.4231832.51  652.9332859.28  662.6933480.39  667.51
34385.47  678.7234518.89  679.7635095.83  680.6335128.29  680.8836618.41  697.24
37593.97   704.337778.61  710.8938107.64  724.0138146.41  725.4238433.07  735.21
38743.18  747.0438891.02   752.439615.07     79040265.76  796.25 40593.9     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518266.42     .1520107.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18266.4220107.98                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503583.00   334004.30   1923125.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1503583.00   334004.30   1923125.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2447539.00   870813.10   3411648.00
  Top Width (ft)          37579.48    Top Width (ft)          16814.73    1841.56   18923.20
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.63       2.61       1.77
  Max Chl Dpth (ft)         192.51    Hydr. Depth (ft)           89.42     181.37     101.63
  Conv. Total (cfs)       818311300.0    Conv. (cfs)            297600200.0   105883500.0   414827600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16835.45    1844.99   18926.62
  Min Ch El (ft)            567.17    Shear (lb/sq ft)            0.38       0.76       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.61       1.99       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27825.96    4753.37   31626.08
  C & E Loss (ft)             0.00    Cum SA (acres)            116.54      13.00     129.99
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CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274141.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  210.42  790.27  684.61  770.73 1442.33  760.16    1633  750.46
 1937.51  744.07 2116.08  740.59 2489.51  740.59 2845.98  738.04 3803.41  728.99
 3879.98  724.68 3977.28  719.41 3989.35  719.14 4204.35   714.9 4396.15  710.59
  4548.6  706.05 4712.28     701 5112.38  691.14    5600  686.03 5962.89  682.64
 6119.05   681.1 6288.97   671.6 6362.07  662.16 6749.33  661.96 7122.41  668.48
 7272.92  671.18 7508.04  652.36 7685.86  642.95 7761.93  633.54 7814.28  633.54
 7974.96  640.11 8207.37   650.2 8274.65   652.7 8412.95  661.61  8801.2   669.6
 8852.37  676.09 9017.55  696.65 9330.71  694.78 9345.76  693.27 9530.27  675.78
 9678.45   675.7 9950.12  694.3910136.84   694.310332.44  675.3810531.38  670.24
10685.48  665.1610703.89  664.6910799.72  645.8710979.51  617.6411040.76  617.64
11085.66  626.2211221.12  653.8811336.15  675.8711750.55  667.8611919.57  664.01
11979.22  662.2712206.66  657.8712476.34  653.8412797.25  647.6413475.94  638.23
15038.97  638.2315296.22  637.6415957.54  637.6416466.31  647.0516530.52  656.46
16844.74  649.6716852.19  648.9216966.19  646.4117670.56  608.4818270.21  598.82
18404.12  589.3118875.62  588.9518997.27  579.4519188.69  567.1619753.24  567.16
19937.06  570.25 20113.3  598.8220196.22  608.3420213.99  610.1720436.89  615.67
20848.34  622.0721255.33  620.7523229.68  612.9523337.42  612.9523552.01  614.33
 23879.2  615.8424801.46  621.7725042.11  631.1826608.86  640.5926966.38  645.06
27362.03  650.19 27970.2  669.3128179.62  669.41 29221.6  669.41 29815.6  668.82
30071.62  668.82 30608.3  659.4130830.54  653.9430990.93  650.0931121.83  640.76
31260.78  640.8431535.67  650.4131836.46  652.9232863.12  662.6633484.16  667.48
34389.13  678.6434522.53  679.6735099.41  680.6135131.86  680.8636621.81  697.15
37597.25  704.2237781.87  710.8338110.87  723.9438149.62  725.3538436.26  735.16
38746.33     74738894.15  752.3639618.12     79040268.74  796.2640596.84     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518270.21     .15 20113.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18270.21 20113.3                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503544.00   334271.20   1923462.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1503544.00   334271.20   1923462.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2446564.00   871309.50   3412127.00
  Top Width (ft)          37583.10    Top Width (ft)          16818.41    1843.09   18921.61
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.63       2.61       1.77
  Max Chl Dpth (ft)         192.52    Hydr. Depth (ft)           89.40     181.36     101.65
  Conv. Total (cfs)       818481700.0    Conv. (cfs)            297543500.0   105966000.0   414972300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16839.16    1846.52   18925.03
  Min Ch El (ft)            567.16    Shear (lb/sq ft)            0.38       0.76       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.61       1.99       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27653.38    4715.01   31405.31
  C & E Loss (ft)             0.00    Cum SA (acres)            114.61      12.79     127.82


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274138.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  210.47  790.27  684.76  770.72 1442.63  760.16 1633.34  750.46
 1937.91  744.06 2116.52  740.58 2490.02  740.58 2846.57  738.02  3804.2  729.01
 3880.79  724.69 3978.11  719.42 3990.17  719.15 4205.22  714.89 4397.07  710.58
 4549.54  706.04 4713.26  700.98 5113.44  691.12 5601.16  686.02 5964.13  682.62
 6120.32  681.08 6290.27  671.58 6363.39  662.12 6750.73  661.93 7123.89  668.45
 7274.43  671.16 7509.59  652.32 7687.45   642.9 7763.54  633.48 7815.91  633.48
 7976.62  640.06 8209.07  650.15 8276.36  652.66  8414.7  661.58 8803.02   669.6
 8854.21   676.1 9019.42  696.71 9332.65  694.87  9347.7  693.36 9532.25  675.85
 9680.46  675.78 9952.19  694.4810138.94  694.3910334.59  675.4610533.56  670.31
 10687.7  665.2510706.11  664.7810801.96  645.9410981.79  617.6811043.06  617.68
11087.96  626.2711223.45  653.93 11338.5  675.9411752.99  667.9211922.04  664.08
11981.71  662.3412209.19  657.9412478.93  653.8912799.91  647.6813478.73  638.26
15042.09  638.26 15299.4  637.6815960.85  637.6816469.73   647.116533.95  656.52
16848.23  649.7316855.69  648.9816969.71  646.4717674.23  608.5118274.01  598.84
18408.05  589.3218880.03  588.97 19001.8  579.4619193.43  567.1619758.22  567.16
19942.21  570.2420118.61  598.8420201.53  608.3420219.29  610.1720442.17  615.63
20853.57  622.0321260.51  620.7123234.63   612.923342.36   612.923556.92  614.28
23884.08  615.8124806.23  621.7425046.86  631.1626613.43  640.58 26970.9  645.05
 27366.5  650.1927974.61  669.32   28184  669.4229225.86  669.4229819.79  668.84
30075.78  668.84 30612.4  659.4230834.61  653.9530994.98  650.0931125.86  640.75
 31264.8  640.8331539.65  650.4131840.41  652.9232866.95  662.6333487.92  667.46
34392.79  678.5534526.17  679.5935102.98  680.5935135.43  680.8436625.21  697.06
37600.54  704.1537785.13  710.7638114.09  723.8738152.85  725.2838439.45  735.11
38749.48  746.9538897.29  752.3239621.17     79040271.71  796.2640599.77     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518274.01     .1520118.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18274.0120118.61                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503510.00   334529.00   1923779.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1503510.00   334529.00   1923779.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2445646.00   871780.30   3412574.00
  Top Width (ft)          37586.53    Top Width (ft)          16821.90    1844.60   18920.03
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.63       2.61       1.77
  Max Chl Dpth (ft)         192.52    Hydr. Depth (ft)           89.38     181.36     101.68
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  Conv. Total (cfs)       818644200.0    Conv. (cfs)            297490900.0   106044300.0   415109000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16842.68    1848.03   18923.45
  Min Ch El (ft)            567.16    Shear (lb/sq ft)            0.38       0.76       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.61       1.99       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27480.79    4676.63   31184.51
  C & E Loss (ft)             0.00    Cum SA (acres)            112.68      12.57     125.65


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274135.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  210.51  790.26   684.9   770.7 1442.93  760.16 1633.68  750.45
 1938.31  744.06 2116.96  740.57 2490.54  740.57 2847.16  738.01 3804.99  729.03
 3881.59  724.71 3978.93  719.43    3991  719.16 4206.09  714.89 4397.98  710.57
 4550.49  706.02 4714.24  700.96  5114.5   691.1 5602.32     686 5965.37   682.6
 6121.59  681.06 6291.58  671.55 6364.71  662.08 6752.13  661.89 7125.37  668.43
 7275.94  671.14 7511.15  652.28 7689.05  642.85 7765.15  633.42 7817.53  633.42
 7978.28     640 8210.77  650.09 8278.08  652.61 8416.45  661.55 8804.85  669.61
 8856.05  676.12 9021.29  696.77 9334.58  694.96 9349.64  693.45 9534.22  675.92
 9682.47  675.85 9954.25  694.5810141.05  694.4910336.73  675.5410535.75  670.39
10689.92  665.3410708.33  664.87 10804.2  646.0110984.07  617.7211045.35  617.72
11090.26  626.3211225.78  653.9811340.85  676.0111755.43  667.9911924.52  664.14
 11984.2  662.4212211.72  658.0212481.52  653.9312802.56  647.7213481.53  638.29
15045.21  638.2915302.58  637.7215964.17  637.7216473.15  647.1516537.38  656.58
16851.73  649.7816859.19  649.0516973.23  646.5317677.89  608.53 18277.8  598.86
18411.98  589.3318884.45  588.9919006.34  579.4719198.16  567.16 19763.2  567.16
19947.36  570.2420123.93  598.8620206.84  608.34 20224.6  610.1720447.45  615.59
 20858.8     622 21265.7  620.6723239.59  612.85 23347.3  612.8523561.84  614.23
23888.96  615.7724811.01  621.71 25051.6  631.1426617.99  640.5726975.42  645.05
27370.98  650.1927979.01  669.3328188.38  669.4329230.11  669.4329823.98  668.86
30079.94  668.86 30616.5  659.4330838.68  653.9530999.03  650.09 31129.9  640.74
31268.82  640.8131543.64   650.431844.37  652.9132870.79  662.6133491.68  667.44
34396.45  678.4734529.81   679.535106.55  680.57   35139  680.8236628.61  696.97
37603.82  704.0837788.39   710.738117.32   723.838156.07  725.2138442.63  735.06
38752.63  746.9138900.42  752.2839624.22     79040274.68  796.27 40602.7     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 18277.8     .1520123.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       18277.820123.93                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503477.00   334788.20   1924090.00
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            1503477.00   334788.20   1924090.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2444734.00   872252.80   3413014.00
  Top Width (ft)          37589.96    Top Width (ft)          16825.39    1846.13   18918.44
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.63       2.61       1.77
  Max Chl Dpth (ft)         192.52    Hydr. Depth (ft)           89.36     181.35     101.70
  Conv. Total (cfs)       818805400.0    Conv. (cfs)            297438500.0   106122600.0   415244300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16846.21    1849.56   18921.87
  Min Ch El (ft)            567.16    Shear (lb/sq ft)            0.38       0.76       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.61       1.99       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27308.22    4638.22   30963.68
  C & E Loss (ft)             0.00    Cum SA (acres)            110.74      12.36     123.48


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274132.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  210.55  790.26  685.04  770.69 1443.23  760.16 1634.01  750.44
 1938.71  744.05  2117.4  740.56 2491.06  740.56 2847.75     738 3805.78  729.05
  3882.4  724.72 3979.76  719.44 3991.83  719.17 4206.97  714.88 4398.89  710.56
 4551.43  706.01 4715.22  700.95 5115.56  691.08 5603.49  685.99 5966.61  682.58
 6122.86  681.04 6292.88  671.52 6366.04  662.05 6753.53  661.86 7126.85  668.41
 7277.45  671.12 7512.71  652.24 7690.65   642.8 7766.76  633.36 7819.15  633.36
 7979.93  639.95 8212.48  650.04  8279.8  652.57 8418.19  661.53 8806.68  669.62
 8857.89  676.14 9023.16  696.82 9336.52  695.05 9351.58  693.54  9536.2  675.99
 9684.48  675.92 9956.32  694.6710143.15  694.5910338.88  675.6110537.94  670.46
10692.14  665.4310710.56  664.9610806.44  646.0810986.35  617.7611047.64  617.76
11092.57  626.3711228.11  654.0211343.21  676.0811757.87  668.0511926.99  664.21
11986.69   662.512214.26  658.0912484.11  653.9812805.22  647.7613484.33  638.32
15048.33  638.3215305.75  637.7615967.48  637.7616476.56   647.216540.82  656.64
16855.23  649.8316862.69  649.1116976.75  646.5917681.56  608.5618281.59  598.88
18415.91  589.3418888.86     58919010.88  579.48 19202.9  567.1619768.18  567.16
19952.51  570.2420129.25  598.8820212.14  608.33 20229.9  610.1720452.73  615.56
20864.04  621.9621270.88  620.6323244.54   612.823352.24   612.823566.76  614.18
23893.84  615.7324815.78  621.6825056.35  631.1226622.55  640.5626979.94  645.04
27375.45  650.1827983.41  669.3428192.76  669.4429234.37  669.4429828.17  668.88
 30084.1  668.8830620.59  659.4430842.75  653.9631003.08  650.0931133.94  640.72
31272.84   640.831547.63  650.3931848.32   652.932874.62  662.5833495.44  667.41
 34400.1  678.3834533.45  679.4235110.13  680.5535142.57   680.8   36632  696.88
37607.11  704.0137791.66  710.6438120.54  723.7338159.29  725.1438445.82  735.02
38755.78  746.8638903.55  752.2439627.27     79040277.66  796.2840605.64     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518281.59     .1520129.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18281.5920129.25                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
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  Vel Head (ft)              0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1503431.00   335050.70   1924426.00
  E.G. Slope (ft/ft)     0.000068    Area (sq ft)            1503431.00   335050.70   1924426.00
  Q Total (cfs)          6730000.00    Flow (cfs)              2443768.00   872732.10   3413500.00
  Top Width (ft)         37593.39    Top Width (ft)          16828.88    1847.66   18916.84
  Vel Total (ft/s)           1.79    Avg. Vel. (ft/s)            1.63       2.60       1.77
  Max Chl Dpth (ft)        192.52    Hydr. Depth (ft)           89.34     181.34     101.73
  Conv. Total (cfs)      818973100.0    Conv. (cfs)             297381900.0   106202700.0   415388500.0
  Length Wtd. (ft)           5.00    Wetted Per. (ft)        16849.73    1851.10   18920.26
  Min Ch El (ft)           567.16    Shear (lb/sq ft)            0.38       0.76       0.43
  Alpha                      1.07    Stream Power (lb/ft s)      0.61       1.99       0.76
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    27135.64    4599.77   30742.80
  C & E Loss (ft)            0.00    Cum SA (acres)            108.81      12.15     121.31


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274129.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   210.6  790.25  685.18  770.68 1443.53  760.15 1634.35  750.43
 1939.11  744.04 2117.84  740.55 2491.57  740.55 2848.35  737.99 3806.57  729.06
  3883.2  724.74 3980.59  719.45 3992.66  719.18 4207.84  714.88  4399.8  710.55
 4552.38  705.99 4716.19  700.93 5116.63  691.06 5604.65  685.97 5967.84  682.57
 6124.13  681.03 6294.19   671.5 6367.36  662.01 6754.93  661.83 7128.33  668.38
 7278.96   671.1 7514.27   652.2 7692.24  642.75 7768.37   633.3 7820.77   633.3
 7981.59   639.9 8214.18  649.99 8281.52  652.52 8419.94   661.5  8808.5  669.62
 8859.72  676.16 9025.04  696.88 9338.46  695.13 9353.52  693.62 9538.18  676.06
 9686.49     676 9958.39  694.7710145.25  694.6810341.02  675.6910540.12  670.54
10694.36  665.5210712.78  665.0510808.69  646.1510988.63   617.811049.93   617.8
11094.87  626.4211230.44  654.0711345.56  676.1511760.31  668.1111929.47  664.28
11989.17  662.5712216.79  658.16 12486.7  654.0312807.88   647.813487.13  638.35
15051.46  638.3515308.93   637.815970.79   637.816479.98  647.2516544.25   656.7
16858.72  649.8816866.19  649.1716980.28  646.6617685.23  608.5818285.38   598.9
18419.84  589.3618893.27  589.0219015.42  579.4919207.63  567.1619773.15  567.16
19957.66  570.2320134.56   598.920217.45  608.3320235.21  610.1620458.01  615.52
20869.27  621.9321276.06  620.58 23249.5  612.7523357.19  612.7523571.68  614.14
23898.72   615.724820.55  621.6525061.09   631.126627.11  640.5526984.46  645.04
27379.93  650.1827987.82  669.3628197.13  669.4529238.63  669.4529832.35   668.9
30088.26   668.930624.69  659.4530846.82  653.9631007.14  650.0931137.97  640.71
31276.86  640.7931551.62  650.3931852.28  652.8932878.45  662.55 33499.2  667.39
34403.76  678.2934537.09  679.33 35113.7  680.5335146.14  680.78 36635.4   696.8
37610.39  703.9437794.92  710.5838123.77  723.66 38162.5  725.0738449.01  734.97
38758.93  746.8138906.68   752.239630.32     79040280.63  796.2840608.57     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518285.38     .1520134.56     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18285.3820134.56                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1503399.00   335307.00   1924738.00
  E.G. Slope (ft/ft)     0.000068    Area (sq ft)            1503399.00   335307.00   1924738.00
  Q Total (cfs)          6730000.00    Flow (cfs)              2442850.00   873197.70   3413952.00
  Top Width (ft)         37597.00    Top Width (ft)          16832.56    1849.18   18915.26
  Vel Total (ft/s)           1.79    Avg. Vel. (ft/s)            1.62       2.60       1.77
  Max Chl Dpth (ft)        192.52    Hydr. Depth (ft)           89.31     181.33     101.76
  Conv. Total (cfs)      819131300.0    Conv. (cfs)             297327600.0   106279900.0   415523800.0
  Length Wtd. (ft)           5.00    Wetted Per. (ft)        16853.44    1852.62   18918.68
  Min Ch El (ft)           567.16    Shear (lb/sq ft)            0.38       0.76       0.43
  Alpha                      1.07    Stream Power (lb/ft s)      0.61       1.99       0.76
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    26963.08    4561.30   30521.89
  C & E Loss (ft)            0.00    Cum SA (acres)            106.88      11.94     119.13


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274126.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  210.64  790.25  685.33  770.67 1443.83  760.15 1634.69  750.42
 1939.52  744.04 2118.28  740.54 2492.09  740.54 2848.94  737.97 3807.36  729.08
 3884.01  724.75 3981.41  719.46 3993.49  719.19 4208.71  714.87 4400.72  710.54
 4553.32  705.98 4717.17  700.91 5117.69  691.04 5605.81  685.96 5969.08  682.55
  6125.4  681.01  6295.5  671.47 6368.68  661.97 6756.34  661.79 7129.81  668.36
 7280.47  671.08 7515.83  652.16 7693.84   642.7 7769.98  633.24  7822.4  633.24
 7983.24  639.84 8215.88  649.93 8283.24  652.47 8421.68  661.47 8810.33  669.63
 8861.56  676.17 9026.91  696.94  9340.4  695.22 9355.46  693.71 9540.16  676.14
  9688.5  676.07 9960.45  694.8610147.36  694.7810343.17  675.7710542.31  670.61
10696.58  665.61   10715  665.1410810.93  646.2210990.91  617.8411052.23  617.84
11097.17  626.4711232.77  654.1211347.91  676.2211762.75  668.1711931.94  664.35
11991.66  662.6512219.33  658.2312489.29  654.0712810.53  647.8413489.92  638.38
15054.58  638.38 15312.1  637.84 15974.1  637.84 16483.4   647.316547.68  656.76
16862.22  649.9416869.69  649.24 16983.8  646.72 17688.9  608.6118289.18  598.92
18423.77  589.3718897.69  589.0419019.96   579.519212.36  567.1619778.13  567.16
19962.82  570.2320139.88  598.9220222.76  608.3320240.51  610.1620463.29  615.48
 20874.5  621.8921281.25  620.5423254.45   612.723362.13   612.723576.59  614.09
 23903.6  615.6624825.32  621.6225065.83  631.0826631.67  640.5426988.98  645.03
 27384.4  650.1827992.22  669.3728201.51  669.4629242.89  669.4629836.54  668.92
30092.42  668.9230628.79  659.4630850.89  653.9731011.19  650.0931142.01   640.7
31280.88  640.7731555.61  650.3831856.23  652.8932882.29  662.5233502.96  667.36
34407.41  678.2134540.74  679.2535117.28  680.5135149.71  680.76 36638.8  696.71
37613.68  703.8737798.18  710.5138126.99  723.5938165.72  725.0138452.19  734.92
38762.08  746.7738909.82  752.1639633.36     790 40283.6  796.2940611.51     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
```

```
       0     .1518289.18     .1520139.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18289.1820139.88                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503369.00   335565.00   1925061.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1503369.00   335565.00   1925061.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2441932.00   873661.60   3414407.00
  Top Width (ft)          37600.43    Top Width (ft)          16836.06    1850.70   18913.67
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.62       2.60       1.77
  Max Chl Dpth (ft)         192.52    Hydr. Depth (ft)           89.29     181.32     101.78
  Conv. Total (cfs)       819297600.0    Conv. (cfs)            297276200.0   106357900.0   415663500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16856.97    1854.14   18917.09
  Min Ch El (ft)            567.16    Shear (lb/sq ft)            0.38       0.76       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.61       1.98       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26790.51    4522.80   30300.94
  C & E Loss (ft)             0.00    Cum SA (acres)            104.95      11.73     116.96


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274123.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  210.68  790.24  685.47  770.65 1444.13  760.15 1635.03  750.42
 1939.92  744.03 2118.72  740.53 2492.61  740.53 2849.53  737.96 3808.15   729.1
 3884.81  724.77 3982.24  719.47 3994.32   719.2 4209.59  714.87 4401.63  710.53
 4554.27  705.96 4718.15  700.89 5118.75  691.02 5606.97  685.94 5970.32  682.53
 6126.67  680.99  6296.8  671.44    6370  661.94 6757.74  661.76 7131.28  668.34
 7281.98  671.06 7517.39  652.12 7695.43  642.65 7771.59  633.18 7824.02  633.18
  7984.9  639.79 8217.59  649.88 8284.95  652.43 8423.43  661.44 8812.16  669.64
  8863.4  676.19 9028.78  696.99 9342.33  695.31  9357.4   693.8 9542.14  676.21
 9690.51  676.14 9962.52  694.9610149.46  694.8810345.31  675.85 10544.5  670.69
10698.79   665.710717.22  665.2310813.17  646.2910993.19  617.8811054.52  617.88
11099.47  626.52 11235.1  654.1611350.27  676.2911765.19  668.2311934.42  664.42
11994.15  662.7312221.86   658.312491.88  654.1212813.19  647.8813492.72  638.41
 15057.7  638.4115315.28  637.8815977.42  637.8816486.82  647.3516551.11  656.82
16865.72  649.9916873.19   649.316987.32  646.7817692.57  608.6318292.97  598.94
 18427.7  589.38 18902.1  589.0619024.49   579.5 19217.1  567.1619783.11  567.16
19967.97  570.22 20145.2  598.9420228.07  608.3320245.82  610.1620468.56  615.45
20879.73  621.8621286.43   620.523259.41  612.6523367.07  612.6523581.51  614.04
23908.48  615.6224830.09  621.5925070.58  631.0626636.23  640.53 26993.5  645.03
27388.88  650.1727996.62  669.3828205.89  669.4729247.14  669.4729840.73  668.94
30096.57  668.9430632.88  659.4730854.96  653.9731015.24  650.0831146.05  640.68
 31284.9  640.76 31559.6  650.3731860.18  652.8832886.12  662.4933506.73  667.34
34411.07  678.1234544.38  679.1635120.85  680.4935153.28  680.74 36642.2  696.62
37616.96  703.7937801.44  710.4538130.21  723.5238168.95  724.9438455.38  734.87
38765.23  746.7238912.95  752.1239636.41     79040286.57   796.340614.45     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518292.97     .15 20145.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18292.97 20145.2                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503329.00   335827.30   1925397.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1503329.00   335827.30   1925397.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2440979.00   874137.40   3414884.00
  Top Width (ft)          37603.84    Top Width (ft)          16839.54    1852.23   18912.07
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.62       2.60       1.77
  Max Chl Dpth (ft)         192.52    Hydr. Depth (ft)           89.27     181.31     101.81
  Conv. Total (cfs)       819467500.0    Conv. (cfs)            297221800.0   106437900.0   415807800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16860.49    1855.67   18915.49
  Min Ch El (ft)            567.16    Shear (lb/sq ft)            0.38       0.76       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.61       1.98       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26617.95    4484.26   30079.96
  C & E Loss (ft)             0.00    Cum SA (acres)            103.02      11.51     114.79


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274120.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  210.73  790.24  685.61  770.64 1444.43  760.14 1635.37  750.41
 1940.32  744.02 2119.16  740.52 2493.12  740.52 2850.12  737.95 3808.94  729.11
 3885.62  724.79 3983.06  719.48 3995.14  719.21 4210.46  714.86 4402.54  710.52
 4555.21  705.95 4719.13  700.88 5119.81     691 5608.14  685.93 5971.56  682.51
 6127.94  680.97 6298.11  671.41 6371.32   661.9 6759.14  661.73 7132.76  668.32
 7283.49  671.04 7518.95  652.08 7697.03   642.6 7773.21  633.12 7825.64  633.12
 7986.55  639.74 8219.29  649.83 8286.67  652.38 8425.18  661.42 8813.99  669.65
 8865.24  676.21 9030.65  697.05 9344.27   695.4 9359.34  693.89 9544.12  676.28
 9692.52  676.21 9964.58  695.0510151.57  694.9710347.46  675.9310546.68  670.76
10701.01  665.7910719.45  665.3210815.41  646.3610995.47  617.9211056.81  617.92
11101.77  626.5711237.43  654.2111352.62  676.3611767.63  668.2911936.89  664.48
11996.63   662.812224.39  658.3812494.47  654.1712815.85  647.9213495.52  638.44
15060.82  638.4415318.45  637.9215980.73  637.9216490.24   647.416554.54  656.88
16869.21  650.0416876.68  649.3616990.84  646.8417696.24  608.6618296.76  598.96
18431.63  589.3918906.51  589.0819029.03  579.5119221.83  567.1619788.09  567.16
19973.12  570.2220150.52  598.9620233.38  608.3320251.12  610.1520473.84  615.41
20884.96  621.8221291.62  620.4623264.36   612.623372.01   612.623586.43  613.99
23913.36  615.5924834.87  621.5625075.32  631.0426640.79  640.5226998.02  645.02
27393.35  650.1728001.03  669.3928210.27  669.48 29251.4  669.4829844.92  668.96
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30100.73  668.9630636.98  659.4830859.03  653.9731019.29  650.0831150.08  640.67
31288.93  640.7431563.59  650.3631864.14  652.8732889.96  662.4633510.49  667.32
34414.73  678.0334548.02  679.0835124.43  680.4735156.85  680.7236645.59  696.53
37620.24  703.7237804.71  710.3938133.44  723.4538172.16  724.8738458.57  734.82
38768.38  746.6838916.08  752.0839639.46     79040289.55   796.340617.38     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518296.76     .1520150.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18296.7620150.52                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503288.00   336086.80   1925721.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1503288.00   336086.80   1925721.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2440029.00   874609.60   3415362.00
  Top Width (ft)          37607.45    Top Width (ft)          16843.22    1853.76   18910.46
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.62       2.60       1.77
  Max Chl Dpth (ft)         192.52    Hydr. Depth (ft)           89.25     181.30     101.83
  Conv. Total (cfs)       819628500.0    Conv. (cfs)             297164500.0   106516300.0   415947700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16864.20    1857.21   18913.89
  Min Ch El (ft)            567.16    Shear (lb/sq ft)            0.38       0.76       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.61       1.98       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26445.39    4445.70   29858.93
  C & E Loss (ft)             0.00    Cum SA (acres)            101.08      11.30     112.62


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274117.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  210.77  790.23  685.75  770.63 1444.73  760.14 1635.71   750.4
 1940.72  744.02  2119.6  740.51 2493.64  740.51 2850.71  737.94 3809.73  729.13
 3886.43   724.8 3983.89  719.49 3995.97  719.22 4211.33  714.86 4403.45  710.51
 4556.16  705.93 4720.11  700.86 5120.87  690.98  5609.3  685.91  5972.8  682.49
 6129.21  680.95 6299.41  671.39 6372.64  661.86 6760.54  661.69 7134.24  668.29
    7285  671.02 7520.51  652.04 7698.62  642.55 7774.82  633.06 7827.26  633.06
 7988.21  639.68    8221  649.78 8288.39  652.34 8426.92  661.39 8815.81  669.65
 8867.08  676.22 9032.52  697.11 9346.21  695.49 9361.28  693.98 9546.09  676.35
 9694.53  676.29 9966.65  695.1510153.67  695.07 10349.6  676.0110548.87  670.84
10703.23  665.8810721.67  665.4110817.65  646.4310997.75  617.96 11059.1  617.96
11104.07  626.6111239.76  654.2611354.97  676.4311770.07  668.3611939.37  664.55
11999.12  662.8812226.93  658.4512497.06  654.21 12818.5  647.9613498.32  638.47
15063.94  638.4715321.63  637.9615984.04  637.9616493.66  647.4516557.98  656.94
16872.71   650.116880.18  649.4216994.36   646.917699.91  608.6918300.56  598.98
18435.56   589.418910.92  589.0919033.57  579.5219226.57  567.1619793.07  567.16
19978.27  570.2220155.83  598.9820238.68  608.3320256.43  610.1520479.12  615.37
20890.19  621.79 21296.8  620.4223269.31  612.5523376.96  612.5523591.34  613.94
23918.24  615.5524839.64  621.5325080.06  631.0226645.36  640.5127002.54  645.01
27397.82  650.1728005.43   669.428214.65  669.4929255.66  669.4929849.11  668.98
30104.89  668.9830641.08  659.49 30863.1  653.9831023.35  650.0831154.12  640.66
31292.95  640.7331567.58  650.3631868.09  652.8632893.79  662.4333514.25  667.29
34418.39  677.9534551.66  678.99   35128  680.4535160.42   680.736648.99  696.44
37623.52  703.6537807.97  710.3238136.66  723.3838175.38   724.838461.75  734.78
38771.53  746.6338919.22  752.0439642.51     79040292.52  796.3140620.32     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518300.56     .1520155.83     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18300.5620155.83                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503250.00   336345.50   1926048.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1503250.00   336345.50   1926048.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2439092.00   875080.30   3415828.00
  Top Width (ft)          37610.88    Top Width (ft)          16846.73    1855.27   18908.88
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.62       2.60       1.77
  Max Chl Dpth (ft)         192.52    Hydr. Depth (ft)           89.23     181.29     101.86
  Conv. Total (cfs)       819794500.0    Conv. (cfs)             297110600.0   106595200.0   416088600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16867.74    1858.72   18912.31
  Min Ch El (ft)            567.16    Shear (lb/sq ft)            0.37       0.76       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.61       1.98       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26272.84    4407.11   29637.87
  C & E Loss (ft)             0.00    Cum SA (acres)             99.15      11.09     110.45


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274114.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  210.82  790.23  685.89  770.62 1445.03  760.14 1636.05  750.39
 1941.13  744.01 2120.03   740.5 2494.16   740.5  2851.3  737.92 3810.52  729.15
 3887.23  724.82 3984.71  719.5  3996.8  719.23  4212.2  714.85 4404.37   710.5
  4557.1  705.92 4721.08  700.84 5121.93  690.96 5610.46   685.9 5974.03  682.47
 6130.48  680.93 6300.72  671.36 6373.96  661.83 6761.94  661.66 7135.72  668.27
  7286.5     671 7522.06     652 7700.22   642.5 7776.43     633 7828.89     633
 7989.87  639.63  8222.7  649.72 8290.11  652.29 8428.67  661.36 8817.64  669.66
 8868.91  676.24  9034.4  697.16 9348.14  695.58 9363.22  694.07 9548.07  676.42
 9696.54  676.36 9968.71  695.2510155.78  695.1710351.75  676.0810551.06  670.91
10705.45  665.9710723.89   665.5 10819.9   646.511000.03     61811061.39     618
11106.37  626.6611242.09   654.311357.33   676.511772.51  668.4211941.84  664.62
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12001.61  662.9612229.46  658.5212499.65  654.2612821.16     64813501.12   638.5
15067.07   638.5 15324.8     63815987.36     63816497.07   647.516561.41     657
16876.21  650.1516883.68  649.4916997.89  646.9617703.57  608.7118304.35     599
18439.49  589.4118915.34  589.1119038.11  579.53 19231.3  567.1519798.05  567.15
19983.42  570.2120161.15     59920243.99  608.3220261.74  610.15 20484.4  615.34
20895.42  621.7521301.99  620.3823274.27   612.5 23381.9   612.523596.26  613.89
23923.12  615.5224844.41   621.525084.81     63126649.92   640.527007.06  645.01
 27402.3  650.1628009.83  669.4128219.03   669.529259.92   669.5 29853.3     669
30109.05     66930645.17   659.530867.17  653.98 31027.4  650.0831158.16  640.64
31296.97  640.7131571.56  650.3531872.04  652.8632897.62   662.433518.02  667.27
34422.04  677.86 34555.3  678.9135131.57  680.4335163.99  680.6836652.39  696.36
37626.81  703.5837811.23  710.2638139.89  723.31 38178.6  724.7338464.94  734.73
38774.68  746.5938922.35     75239645.56     790 40295.5  796.3240623.25     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518304.35     .1520161.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18304.3520161.15                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503221.00   336614.30   1926351.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1503221.00   336614.30   1926351.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2438183.00   875587.40   3416230.00
  Top Width (ft)          37614.29    Top Width (ft)          16850.22    1856.80   18907.28
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.62       2.60       1.77
  Max Chl Dpth (ft)         192.53    Hydr. Depth (ft)           89.21     181.29     101.88
  Conv. Total (cfs)       819959600.0    Conv. (cfs)            297059600.0   106678500.0   416221500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16871.26    1860.25   18910.70
  Min Ch El (ft)            567.15    Shear (lb/sq ft)            0.37       0.76       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.61       1.98       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26100.30    4368.49   29416.77
  C & E Loss (ft)             0.00    Cum SA (acres)             97.22      10.88     108.28


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274112.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  210.86  790.22  686.04   770.6 1445.33  760.14 1636.39  750.39
 1941.53  744.01 2120.47  740.49 2494.68  740.49 2851.89  737.91 3811.31  729.17
 3888.04  724.83 3985.54  719.51 3997.63  719.24 4213.08  714.84 4405.28  710.49
 4558.04   705.9 4722.06  700.83 5122.99  690.94 5611.62  685.88 5975.27  682.46
 6131.75  680.91 6302.02  671.33 6375.28  661.79 6763.34  661.63  7137.2  668.25
 7288.02  670.98 7523.62  651.96 7701.81  642.45 7778.04  632.94 7830.51  632.94
 7991.52  639.58  8224.4  649.67 8291.82  652.25 8430.42  661.34 8819.47  669.67
 8870.75  676.26 9036.27  697.22 9350.08  695.66 9365.16  694.16 9550.05  676.49
 9698.54  676.43 9970.78  695.3410157.88  695.2610353.89  676.1610553.24  670.99
10707.67  666.0610726.11  665.5910822.14  646.5711002.31  618.0411063.69  618.04
11108.68  626.7111244.42  654.3511359.68  676.5711774.95  668.4811944.32  664.69
12004.09  663.03   12232  658.5912502.24  654.3112823.82  648.0413503.91  638.53
15070.19  638.5315327.98  638.0415990.67  638.0416500.49  647.5516564.84  657.06
16879.71   650.216887.18  649.5517001.41  647.0217707.24  608.7418308.14  599.02
18443.42  589.4318919.75  589.1319042.64  579.5419236.03  567.1519803.03  567.15
19988.57  570.2120166.47  599.02 20249.3  608.3220267.04  610.1420489.68   615.3
20900.66  621.7221307.17  620.3323279.22  612.4523386.84  612.4523601.18  613.84
23927.99  615.4824849.18  621.4725089.55  630.9826654.48  640.4927011.58     645
27406.77  650.1628014.24  669.4328223.41  669.5129264.18  669.5129857.49  669.02
30113.21  669.0230649.27  659.5130871.24  653.9931031.45  650.08 31162.2  640.63
31300.99   640.731575.55  650.34   31876  652.8532901.46  662.3733521.78  667.24
 34425.7  677.7734558.95  678.8235135.15  680.4135167.56  680.6636655.79  696.27
37630.09  703.5137814.49   710.238143.11  723.2438181.82  724.6638468.12  734.68
38777.83  746.5438925.48  751.9639648.61     79040298.47  796.3240626.18     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518308.14     .1520166.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18308.1420166.47                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503173.00   336870.40   1926694.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1503173.00   336870.40   1926694.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2437218.00   876039.30   3416743.00
  Top Width (ft)          37617.70    Top Width (ft)          16853.70    1858.33   18905.67
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.62       2.60       1.77
  Max Chl Dpth (ft)         192.53    Hydr. Depth (ft)           89.19     181.28     101.91
  Conv. Total (cfs)       820126300.0    Conv. (cfs)            297002400.0   106755300.0   416368600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16874.78    1861.78   18909.09
  Min Ch El (ft)            567.15    Shear (lb/sq ft)            0.37       0.76       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.61       1.98       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25927.75    4329.83   29195.64
  C & E Loss (ft)             0.00    Cum SA (acres)             95.28      10.66     106.11


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274109.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   210.9  790.22  686.18  770.59 1445.63  760.13 1636.73  750.38
 1941.93     744 2120.91  740.48 2495.19  740.48 2852.48   737.9  3812.1  729.18
 3888.84  724.85 3986.37  719.52 3998.46  719.25 4213.95  714.84 4406.19  710.48
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 4558.99  705.89 4723.04  700.81 5124.05  690.93 5612.79  685.87 5976.51  682.44
 6133.02   680.9 6303.33   671.3  6376.6  661.75 6764.74  661.59 7138.68  668.22
 7289.52  670.96 7525.18  651.92 7703.41   642.4 7779.65  632.88 7832.13  632.88
 7993.18  639.53 8226.11  649.62 8293.54   652.2 8432.16  661.31  8821.3  669.67
 8872.59  676.28 9038.14  697.28 9352.02  695.75  9367.1  694.24 9552.03  676.57
 9700.55  676.51 9972.85  695.4410159.99  695.3610356.04  676.2410555.43  671.06
10709.89  666.1510728.33  665.6810824.38  646.6411004.59  618.0811065.98  618.08
11110.98  626.7611246.75   654.411362.03  676.6411777.39  668.5411946.79  664.76
12006.58  663.1112234.53  658.6612504.83  654.3512826.47  648.0813506.71  638.56
15073.31  638.5615331.16  638.0815993.98  638.0816503.91   647.616568.27  657.12
 16883.2  650.2516890.68  649.6117004.93  647.0817710.91  608.7618311.94  599.04
18447.35  589.4418924.16  589.1519047.18  579.5519240.77  567.1519808.01  567.15
19993.72   570.220171.78  599.04 20254.6  608.3220272.35  610.1420494.96  615.27
20905.89  621.6821312.35  620.2923284.18   612.423391.78   612.4 23606.1   613.8
23932.87  615.4424853.95  621.4425094.29  630.9626659.04  640.48 27016.1     645
27411.25  650.1628018.64  669.4428227.79  669.5229268.43  669.5229861.68  669.04
30117.37  669.0430653.37  659.5230875.31  653.99 31035.5  650.0831166.23  640.62
31305.01  640.6931579.54  650.3431879.95  652.84 32905.3  662.3433525.54  667.22
34429.36  677.6934562.59  678.7435138.72  680.3935171.13  680.6436659.18  696.18
37633.38  703.4437817.75  710.1438146.33  723.1738185.04  724.5938471.31  734.63
38780.98  746.4938928.62  751.9239651.66     79040301.44  796.3340629.12     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518311.94     .1520171.78     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18311.9420171.78               5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503141.00   337127.90   1927006.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1503141.00   337127.90   1927006.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2436299.00   876509.90   3417191.00
  Top Width (ft)          37621.31    Top Width (ft)          16857.39    1859.84   18904.08
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.62       2.60       1.77
  Max Chl Dpth (ft)         192.52    Hydr. Depth (ft)           89.17     181.27     101.94
  Conv. Total (cfs)       820286100.0    Conv. (cfs)            296948400.0   106833400.0   416504300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16878.49    1863.30   18907.51
  Min Ch El (ft)            567.15    Shear (lb/sq ft)            0.37       0.76       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.61       1.98       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25755.21    4291.15   28974.47
  C & E Loss (ft)             0.00    Cum SA (acres)             93.35      10.45     103.94


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274106.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  210.95  790.21  686.32  770.58 1445.93  760.13 1637.07  750.37
 1942.33  743.99 2121.35  740.47 2495.71  740.47 2853.07  737.88 3812.89   729.2
 3889.65  724.86 3987.19  719.53 3999.28  719.26 4214.82  714.83  4407.1  710.47
 4559.93  705.87 4724.02  700.79 5125.12  690.91 5613.95  685.85 5977.75  682.42
 6134.29  680.88 6304.64  671.28 6377.92  661.72 6766.14  661.56 7140.16   668.2
 7291.03  670.94 7526.74  651.88 7705.01  642.35 7781.26  632.82 7833.75  632.82
 7994.83  639.47 8227.81  649.56 8295.26  652.15 8433.91  661.28 8823.12  669.68
 8874.43  676.29 9040.01  697.33 9353.96  695.84 9369.04  694.33 9554.01  676.64
 9702.56  676.58 9974.91  695.5310162.09  695.4610358.18  676.3210557.61  671.14
 10712.1  666.2410730.56  665.7710826.62  646.7111006.87  618.1211068.27  618.12
11113.28  626.8111249.08  654.4411364.39  676.7111779.83   668.611949.27  664.82
12009.07  663.1912237.06  658.7412507.42   654.412829.13  648.1213509.51  638.59
15076.43  638.5915334.33  638.1215997.29  638.1216507.33  647.65 16571.7  657.18
 16886.7  650.3116894.18  649.6717008.45  647.1417714.58  608.7918315.73  599.06
18451.28  589.4518928.58  589.1619051.72  579.56 19245.5  567.1519812.99  567.15
19998.88   570.2 20177.1  599.0620259.91  608.3220277.65  610.1420500.24  615.23
20911.12  621.6521317.54  620.2523289.13  612.3523396.72  612.3523611.01  613.75
23937.75  615.4124858.72  621.4125099.04  630.94 26663.6  640.4727020.62  644.99
27415.72  650.1528023.04  669.4528232.17  669.5329272.69  669.5329865.86  669.06
30121.53  669.0630657.46  659.5330879.38  653.9931039.55  650.0731170.27  640.61
31309.03  640.6731583.53  650.33 31883.9  652.8332909.13  662.32 33529.3   667.2
34433.01   677.634566.23  678.65 35142.3  680.36 35174.7  680.6236662.58  696.09
37636.66  703.3637821.02  710.0738149.56   723.138188.26  724.52 38474.5  734.59
38784.13  746.4538931.75  751.8839654.71     79040304.41  796.3440632.05     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518315.73     .15 20177.1     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18315.73 20177.1               5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1503109.00   337390.00   1927335.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1503109.00   337390.00   1927335.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2435370.00   876983.70   3417647.00
  Top Width (ft)          37624.72    Top Width (ft)          16860.88    1861.37   18902.47
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.62       2.60       1.77
  Max Chl Dpth (ft)         192.52    Hydr. Depth (ft)           89.15     181.26     101.96
  Conv. Total (cfs)       820456200.0    Conv. (cfs)            296896600.0   106913300.0   416646200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16882.02    1864.83   18905.90
  Min Ch El (ft)            567.15    Shear (lb/sq ft)            0.37       0.76       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.61       1.98       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25582.68    4252.44   28753.26
  C & E Loss (ft)             0.00    Cum SA (acres)             91.41      10.24     101.77


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274103.*
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INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  210.99  790.21  686.46  770.57 1446.23  760.13 1637.41  750.36
 1942.73  743.99 2121.79  740.46 2496.23  740.46 2853.66  737.87 3813.68  729.22
 3890.45  724.88 3988.02  719.54 4000.11  719.27  4215.7  714.83 4408.02  710.46
 4560.88  705.86    4725  700.78 5126.18  690.89 5615.11  685.84 5978.99   682.4
 6135.56  680.86 6305.94  671.25 6379.24  661.68 6767.54  661.53 7141.64  668.18
 7292.54  670.92  7528.3  651.84  7706.6   642.3 7782.87  632.76 7835.37  632.76
 7996.49  639.42 8229.52  649.51 8296.98  652.11 8435.66  661.25 8824.95  669.69
 8876.26  676.31 9041.88  697.39 9355.89  695.93 9370.98  694.42 9555.99  676.71
 9704.57  676.65 9976.98  695.6310164.19  695.5510360.33   676.4 10559.8  671.21
10714.32  666.3310732.78  665.8610828.86  646.7811009.15  618.1611070.56  618.16
11115.58  626.8611251.41  654.4911366.74  676.7811782.27  668.6611951.74  664.89
12011.55  663.26 12239.6  658.8112510.01  654.4512831.79  648.1613512.31  638.62
15079.55  638.6215337.51  638.1616000.61  638.1616510.75   647.716575.14  657.24
 16890.2  650.3616897.68  649.7417011.97   647.217718.25  608.8118319.52  599.08
18455.21  589.4618932.99  589.1819056.26  579.5719250.24  567.1519817.97  567.15
20004.03  570.1920182.42  599.0820265.22  608.3220282.96  610.1420505.52  615.19
20916.35  621.6121322.72  620.2123294.09   612.323401.66   612.323615.93   613.7
23942.63  615.37 24863.5  621.3825103.78  630.9226668.16  640.4627025.14  644.99
27420.19  650.1528027.45  669.4628236.54  669.5429276.95  669.5429870.05  669.08
30125.69  669.0830661.56  659.5430883.46     65431043.61  650.07 31174.3  640.59
31313.05  640.6631587.52  650.3231887.86  652.8332912.96  662.2933533.06  667.17
34436.67  677.5134569.87  678.5635145.87  680.3435178.27   680.636665.98     696
37639.95  703.2937824.28  710.0138152.78  723.0338191.48  724.4638477.68  734.54
38787.28   746.438934.88  751.8439657.75     79040307.39  796.3440634.99     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518319.52     .1520182.42     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18319.5220182.42                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1503063.00   337651.10   1927661.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)             1503063.00   337651.10   1927661.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2434419.00   877458.40   3418123.00
  Top Width (ft)          37628.13    Top Width (ft)           16864.37    1862.90   18900.86
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)             1.62       2.60       1.77
  Max Chl Dpth (ft)         192.52    Hydr. Depth (ft)            89.13     181.25     101.99
  Conv. Total (cfs)       820620200.0    Conv. (cfs)            296840000.0   106992600.0   416787600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         16885.54    1866.36   18904.29
  Min Ch El (ft)            567.15    Shear (lb/sq ft)             0.37       0.76       0.43
  Alpha                       1.07    Stream Power (lb/ft s)       0.61       1.97       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     25410.15    4213.70   28532.01
  C & E Loss (ft)             0.00    Cum SA (acres)              89.48      10.02      99.60


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274100.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  211.03  790.21   686.6  770.55 1446.53  760.13 1637.74  750.35
 1943.14  743.98 2122.23  740.45 2496.74  740.45 2854.25  737.86 3814.47  729.23
 3891.26  724.89 3988.84  719.55 4000.94  719.27 4216.57  714.82 4408.93  710.45
 4561.82  705.84 4725.98  700.76 5127.24  690.87 5616.27  685.82 5980.22  682.38
 6136.83  680.84 6307.25  671.22 6380.56  661.65 6768.95  661.49 7143.11  668.15
 7294.05   670.9 7529.86   651.8  7708.2  642.25 7784.49   632.7     7837   632.7
 7998.14  639.37 8231.22  649.46  8298.7  652.06  8437.4  661.23 8826.78  669.69
  8878.1  676.33 9043.76  697.45 9357.83  696.02 9372.92  694.51 9557.97  676.78
 9706.58  676.72 9979.04  695.72 10166.3  695.6510362.47  676.4810561.99  671.29
10716.54  666.42   10735  665.9510831.11  646.8511011.43   618.211072.85   618.2
11117.88  626.9111253.74  654.5411369.09  676.8511784.71  668.7211954.21  664.96
12014.04  663.3412242.13  658.88 12512.6  654.4912834.44   648.2 13515.1  638.65
15082.68  638.6515340.68   638.216003.92   638.216514.17  647.7516578.57   657.3
 16893.7  650.4116901.17   649.8 17015.5  647.2617721.92  608.8418323.31   599.1
18459.14  589.47 18937.4   589.219060.79  579.5819254.97  567.1519822.95  567.15
20009.18  570.1920187.73   599.120270.53  608.3220288.26  610.13 20510.8  615.16
20921.58  621.5821327.91  620.1723299.04  612.2523406.61  612.2523620.85  613.65
23947.51  615.3324868.27  621.3525108.53   630.926672.73  640.4527029.66  644.98
27424.67  650.1528031.85  669.4728240.92  669.5529281.21  669.5529874.24   669.1
30129.85   669.130665.65  659.5530887.53     65431047.66  650.0731178.34  640.58
31317.07  640.6431591.51  650.3231891.81  652.82 32916.8  662.2633536.82  667.15
34440.33  677.4334573.51  678.4835149.45  680.3235181.84  680.5836669.38  695.92
37643.23  703.2237827.54  709.95   38156  722.96 38194.7  724.3938480.87  734.49
38790.43  746.3638938.02   751.8 39660.8     79040310.36  796.3540637.93     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518323.31     .1520187.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18323.3120187.73                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)        1503036.00   337908.40   1927965.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)             1503036.00   337908.40   1927965.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2433532.00   877924.50   3418544.00
  Top Width (ft)          37631.55    Top Width (ft)           16867.86    1864.42   18899.27
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)             1.62       2.60       1.77
  Max Chl Dpth (ft)         192.52    Hydr. Depth (ft)            89.11     181.24     102.01
  Conv. Total (cfs)       820780500.0    Conv. (cfs)            296789800.0   107070300.0   416920400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)         16889.07    1867.88   18902.70
  Min Ch El (ft)            567.15    Shear (lb/sq ft)             0.37       0.76       0.43
  Alpha                       1.07    Stream Power (lb/ft s)       0.60       1.97       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     25237.62    4174.93   28310.73
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  C & E Loss (ft)             0.00    Cum SA (acres)             87.54       9.81      97.43


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274097.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  211.08   790.2  686.75  770.54 1446.82  760.12 1638.08  750.35
 1943.54  743.97 2122.67  740.44 2497.26  740.44 2854.84  737.85 3815.26  729.25
 3892.06  724.91 3989.67  719.56 4001.77  719.28 4217.44  714.82 4409.84  710.44
 4562.77  705.83 4726.96  700.74  5128.3  690.85 5617.44  685.81 5981.46  682.36
  6138.1  680.82 6308.55   671.2 6381.88  661.61 6770.35  661.46 7144.59  668.13
 7295.56  670.88 7531.42  651.76 7709.79   642.2  7786.1  632.64 7838.62  632.64
  7999.8  639.31 8232.92  649.41 8300.41  652.02 8439.15   661.2  8828.6   669.7
 8879.94  676.34 9045.63   697.5 9359.77  696.11 9374.86   694.6 9559.94  676.85
 9708.59   676.8 9981.11  695.82 10168.4  695.7510364.62  676.5510564.17  671.36
10718.76  666.5110737.22  666.0410833.35  646.9211013.71  618.2411075.15  618.24
11120.18  626.9611256.07  654.5811371.45  676.9211787.14  668.7911956.69  665.03
12016.53  663.4212244.67  658.9512515.19  654.54 12837.1  648.24 13517.9  638.68
 15085.8  638.6815343.86  638.2416007.23  638.2416517.59   647.8   16582  657.36
16897.19  650.4716904.67  649.8617019.02  647.3217725.59  608.8718327.11  599.12
18463.07  589.4818941.82  589.2219065.33  579.59 19259.7  567.1519827.92  567.15
20014.33  570.1920193.05  599.1220275.83  608.3120293.57  610.1320516.08  615.12
20926.81  621.5421333.09  620.13   23304   612.223411.55   612.223625.76   613.6
23952.39   615.324873.04  621.3225113.27  630.8826677.29  640.4427034.18  644.98
27429.14  650.1428036.25  669.48 28245.3  669.5629285.46  669.5629878.43  669.12
30134.01  669.1230669.75  659.56 30891.6  654.0131051.71  650.0731182.38  640.57
31321.09  640.63 31595.5  650.3131895.77  652.8132920.63  662.2333540.59  667.13
34443.98  677.3434577.15  678.3935153.02   680.335185.41  680.5636672.77  695.83
37646.51  703.15 37830.8  709.8838159.23  722.8938197.92  724.3238484.05  734.44
38793.58  746.3138941.15  751.7639663.85     79040313.33  796.3640640.86     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518327.11     .1520193.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18327.1120193.05                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502986.00   338166.00   1928292.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1502986.00   338166.00   1928292.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2432567.00   878391.90   3419041.00
  Top Width (ft)          37635.15    Top Width (ft)          16871.55    1865.94   18897.66
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.62       2.60       1.77
  Max Chl Dpth (ft)         192.52    Hydr. Depth (ft)           89.08     181.23     102.04
  Conv. Total (cfs)       820940000.0    Conv. (cfs)            296729800.0   107148200.0   417062000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16892.79    1869.41   18901.09
  Min Ch El (ft)            567.15    Shear (lb/sq ft)            0.37       0.76       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.60       1.97       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25065.10    4136.12   28089.41
  C & E Loss (ft)             0.00    Cum SA (acres)             85.60       9.59      95.26


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274094.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  211.12   790.2  686.89  770.53 1447.12  760.12 1638.42  750.34
 1943.94  743.97 2123.11  740.43 2497.78  740.43 2855.44  737.83 3816.05  729.27
 3892.87  724.93 3990.49  719.57  4002.6  719.29 4218.31  714.81 4410.76  710.43
 4563.71  705.82 4727.93  700.73 5129.36  690.83  5618.6  685.79  5982.7  682.34
 6139.38   680.8 6309.86  671.17 6383.21  661.57 6771.75  661.43 7146.07  668.11
 7297.07  670.86 7532.98  651.72 7711.39  642.15 7787.71  632.58 7840.24  632.58
 8001.46  639.26 8234.63  649.35 8302.13  651.97  8440.9  661.17 8830.43  669.71
 8881.78  676.36  9047.5  697.56  9361.7   696.2  9376.8  694.69 9561.92  676.92
  9710.6  676.87 9983.17  695.9110170.51  695.8410366.76  676.6310566.36  671.43
10720.98   666.610739.45  666.1310835.59  646.9911015.99  618.2811077.44  618.28
11122.48  627.01 11258.4  654.63 11373.8  676.9911789.58  668.8511959.16   665.1
12019.02  663.49 12247.2  659.0212517.78  654.5912839.76  648.28 13520.7  638.71
15088.92  638.7115347.03  638.2816010.55  638.28   16521  647.8516585.43  657.42
16900.69  650.5216908.17  649.9217022.54  647.3917729.25  608.89 18330.9  599.14
   18467   589.518946.23  589.2419069.87   579.619264.44  567.15 19832.9  567.15
20019.48  570.1820198.37  599.1420281.14  608.3120298.87  610.1320521.36  615.08
20932.04  621.5121338.28  620.0823308.95  612.1523416.49  612.1523630.68  613.55
23957.27  615.2624877.81  621.2925118.02  630.8626681.85  640.43 27038.7  644.97
27433.62  650.1428040.66   669.528249.68  669.5729289.72  669.5729882.62  669.14
30138.16  669.1430673.85  659.5730895.67  654.0131055.76  650.0731186.42  640.55
31325.11  640.6131599.49   650.331899.72   652.832924.47   662.233544.35   667.1
34447.64  677.2634580.79  678.3135156.59  680.2835188.98  680.5436676.17  695.74
 37649.8  703.0837834.07  709.8238162.45  722.8238201.14  724.2538487.24   734.4
38796.73  746.2738944.28  751.72 39666.9     79040316.31  796.36 40643.8     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 18330.9     .1520198.37     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       18330.920198.37                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502954.00   338423.30   1928625.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1502954.00   338423.30   1928625.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2431641.00   878845.30   3419514.00
```

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  Top Width (ft)          37638.55    Top Width (ft)          16875.04    1867.47   18896.04
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.62       2.60       1.77
  Max Chl Dpth (ft)         192.52    Hydr. Depth (ft)           89.06     181.22     102.07
  Conv. Total (cfs)       821109100.0    Conv. (cfs)            296677900.0   107225500.0   417205700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16896.32    1870.94   18899.48
  Min Ch El (ft)            567.15    Shear (lb/sq ft)            0.37       0.76       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.60       1.97       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24892.58    4097.29   27868.05
  C & E Loss (ft)             0.00    Cum SA (acres)             83.67       9.38      93.09


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274091.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  211.17  790.19  687.03  770.52 1447.42  760.12 1638.76  750.33
 1944.34  743.96 2123.55  740.42 2498.29  740.42 2856.03  737.82 3816.84  729.28
 3893.67  724.94 3991.32  719.58 4003.43   719.3 4219.19  714.81 4411.67  710.42
 4564.65   705.8 4728.91  700.71 5130.42  690.81 5619.76  685.78 5983.94  682.33
 6140.65  680.78 6311.16  671.14 6384.53  661.54 6773.15   661.4 7147.55  668.09
 7298.58  670.84 7534.53  651.68 7712.98   642.1 7789.32  632.52 7841.86  632.52
 8003.11  639.21 8236.33   649.3 8303.85  651.92 8442.64  661.14 8832.26  669.71
 8883.62  676.38 9049.37  697.62 9363.64  696.28 9378.74  694.78  9563.9  676.99
 9712.61  676.94 9985.24  696.0110172.61  695.9410368.91  676.7110568.55  671.51
 10723.2  666.6910741.67  666.2210837.83  647.0611018.26  618.3211079.73  618.32
11124.79  627.0611260.73  654.6811376.16  677.0611792.02  668.9111961.64  665.16
 12021.5  663.5712249.74   659.112520.37  654.6312842.42  648.32 13523.5  638.74
15092.04  638.7415350.21  638.3216013.86  638.3216524.42   647.916588.86  657.48
16904.19  650.5716911.67  649.9917026.06  647.4517732.92  608.9218334.69  599.16
18470.93  589.5118950.64  589.2519074.41  579.6119269.17  567.1519837.88  567.15
20024.63  570.1820203.69  599.1620286.45  608.3120304.18  610.1220526.64  615.05
20937.28  621.4721343.46  620.0423313.91   612.123421.43   612.1 23635.6   613.5
23962.15  615.2324882.58  621.2625122.76  630.8426686.41  640.4227043.22  644.97
27438.09  650.1428045.06  669.5128254.06  669.5829293.98  669.5829886.81  669.16
30142.32  669.1630677.95  659.5830899.74  654.0231059.81  650.0731190.45  640.54
31329.13   640.631603.47  650.2931903.67   652.8 32928.3  662.1733548.11  667.08
 34451.3  677.1734584.43  678.2235160.17  680.2635192.55  680.5236679.57  695.65
37653.08  703.0137837.33  709.7638165.68  722.7538204.36  724.1838490.43  734.35
38799.88  746.2238947.41  751.6839669.95     79040319.28  796.3740646.73     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518334.69     .1520203.69     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18334.6920203.69                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502910.00   338685.50   1928936.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1502910.00   338685.50   1928936.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2430711.00   879328.90   3419960.00
  Top Width (ft)          37641.96    Top Width (ft)          16878.53    1869.00   18894.43
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.62       2.60       1.77
  Max Chl Dpth (ft)         192.52    Hydr. Depth (ft)           89.04     181.21     102.09
  Conv. Total (cfs)       821269200.0    Conv. (cfs)            296622300.0   107305500.0   417341500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16899.84    1872.47   18897.87
  Min Ch El (ft)            567.15    Shear (lb/sq ft)            0.37       0.76       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.60       1.97       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24720.07    4058.43   27646.66
  C & E Loss (ft)             0.00    Cum SA (acres)             81.73       9.16      90.92


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274088.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  211.21  790.19  687.17  770.51 1447.72  760.11  1639.1  750.32
 1944.75  743.96 2123.99  740.41 2498.81  740.41 2856.62  737.81 3817.63   729.3
 3894.48  724.96 3992.15  719.59 4004.25  719.31 4220.06   714.8 4412.58  710.41
  4565.6  705.79 4729.89  700.69 5131.48  690.79 5620.93  685.76 5985.17  682.31
 6141.92  680.76 6312.47  671.11 6385.85   661.5 6774.55  661.36 7149.03  668.06
 7300.09  670.82 7536.09  651.64 7714.58  642.05 7790.93  632.46 7843.49  632.46
 8004.77  639.15 8238.04  649.25 8305.57  651.88 8444.39  661.12 8834.09  669.72
 8885.45   676.4 9051.24  697.67 9365.58  696.37 9380.68  694.86 9565.88  677.07
 9714.62  677.01 9987.31   696.110174.72  696.0410371.05  676.7910570.73  671.58
10725.41  666.7910743.89  666.3110840.07  647.1311020.54  618.3611082.02  618.36
11127.09  627.1111263.06  654.7211378.51  677.1311794.46  668.9711964.11  665.23
12023.99  663.6512252.27  659.1712522.96  654.6812845.07  648.3613526.29  638.77
15095.17  638.7715353.38  638.3616017.17  638.3616527.84  647.9516592.29  657.54
16907.68  650.6216915.17  650.0517029.59  647.5117736.59  608.9418338.49  599.18
18474.86  589.5218955.06  589.2719078.95  579.6219273.91  567.1519842.86  567.15
20029.79  570.17   20209  599.1820291.76  608.3120309.48  610.1220531.92  615.01
20942.51  621.4421348.64     62023318.86  612.0523426.38  612.0523640.52  613.46
23967.03  615.1924887.36  621.23 25127.5  630.8226690.97  640.4127047.74  644.96
27442.56  650.1328049.46  669.5228258.44  669.5929298.24  669.59   29891  669.18
30146.48  669.1830682.04  659.5930903.81  654.0231063.87  650.0731194.49  640.53
31333.15  640.5931607.46  650.2931907.63  652.7932932.14  662.1433551.88  667.05
34454.95  677.0834588.07  678.1435163.74  680.2435196.12   680.536682.96  695.56
37656.36  702.9437840.59   709.7 38168.9  722.6838207.58  724.1138493.61   734.3
38803.04  746.1738950.55  751.64   39673     79040322.25  796.3840649.66     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518338.49     .15   20209     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18338.49   20209                 5       5       5             .1       .3
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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502882.00   338942.90   1929269.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1502882.00   338942.90   1929269.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2429779.00   879787.70   3420433.00
  Top Width (ft)          37645.56    Top Width (ft)          16882.22    1870.51   18892.83
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.62       2.60       1.77
  Max Chl Dpth (ft)         192.52    Hydr. Depth (ft)           89.02     181.20     102.12
  Conv. Total (cfs)       821438300.0    Conv. (cfs)            296569700.0   107383600.0   417485100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16903.56    1873.98   18896.27
  Min Ch El (ft)            567.15    Shear (lb/sq ft)            0.37       0.76       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.60       1.97       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24547.56    4019.54   27425.23
  C & E Loss (ft)             0.00    Cum SA (acres)             79.79       8.95      88.76


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274085.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  211.25  790.18  687.31  770.49 1448.02  760.11 1639.44  750.31
 1945.15  743.95 2124.43   740.4 2499.33   740.4 2857.21   737.8 3818.42  729.32
 3895.29  724.97 3992.97   719.6 4005.08  719.32 4220.93   714.8 4413.49   710.4
 4566.54  705.77 4730.87  700.68 5132.55  690.77 5622.09  685.75 5986.41  682.29
 6143.19  680.75 6313.77  671.09 6387.17  661.46 6775.95  661.33 7150.51  668.04
  7301.6   670.8 7537.65   651.6 7716.17     642 7792.54   632.4 7845.11   632.4
 8006.42   639.1 8239.74  649.19 8307.29  651.83 8446.14  661.09 8835.91  669.73
 8887.29  676.41 9053.12  697.73 9367.52  696.46 9382.62  694.95 9567.86  677.14
 9716.63  677.09 9989.37   696.210176.82  696.13 10373.2  676.8710572.92  671.66
10727.63  666.8810746.11   666.410842.32   647.211022.82   618.411084.32   618.4
11129.39  627.1511265.39  654.7711380.86   677.2 11796.9  669.0311966.59   665.3
12026.48  663.72 12254.8  659.2412525.55  654.7312847.73   648.413529.09   638.8
15098.29   638.815356.56   638.416020.49   638.416531.26     64816595.73   657.6
16911.18  650.6816918.67  650.1117033.11  647.5717740.26  608.9718342.28   599.2
18478.79  589.5318959.47  589.2919083.48  579.6319278.64  567.1419847.84  567.14
20034.94  570.1720214.32   599.220297.06  608.3120314.79  610.12 20537.2  614.97
20947.74   621.421353.83  619.9623323.82     61223431.32     61223645.43  613.41
23971.91  615.1524892.13   621.225132.25   630.826695.54   640.427052.26  644.96
27447.04  650.1328053.87  669.5328262.82   669.6 29302.5   669.629895.19   669.2
30150.64   669.230686.14   659.630907.88  654.0231067.92  650.0631198.53  640.52
31337.17  640.5731611.45  650.2831911.58  652.7832935.97  662.1133555.64  667.03
34458.61     67734591.71  678.0535167.32  680.22 35199.7  680.4836686.36  695.48
37659.65  702.8637843.86  709.6338172.12  722.61 38210.8  724.04 38496.8  734.25
38806.18  746.1338953.68   751.639676.05     79040325.23  796.38 40652.6     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518342.28     .1520214.32     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18342.2820214.32                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502830.00   339209.80   1929588.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1502830.00   339209.80   1929588.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2428819.00   880287.80   3420894.00
  Top Width (ft)          37648.97    Top Width (ft)          16885.71    1872.04   18891.21
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.62       2.60       1.77
  Max Chl Dpth (ft)         192.53    Hydr. Depth (ft)           89.00     181.20     102.14
  Conv. Total (cfs)       821601100.0    Conv. (cfs)            296511200.0   107465900.0   417624000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16907.09    1875.52   18894.65
  Min Ch El (ft)            567.14    Shear (lb/sq ft)            0.37       0.76       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.60       1.97       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24375.06    3980.62   27203.76
  C & E Loss (ft)             0.00    Cum SA (acres)             77.85       8.74      86.59


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274082.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   211.3  790.18  687.46  770.48 1448.32  760.11 1639.78  750.31
 1945.55  743.94 2124.87  740.39 2499.84  740.39  2857.8  737.78 3819.21  729.34
 3896.09  724.99  3993.8  719.61 4005.91  719.33 4221.81  714.79 4414.41  710.39
 4567.49  705.76 4731.85  700.66 5133.61  690.75 5623.25  685.74 5987.65  682.27
 6144.46  680.73 6315.08  671.06 6388.49  661.43 6777.35   661.3 7151.99  668.02
 7303.11  670.78 7539.21  651.56 7717.77  641.95 7794.15  632.34 7846.73  632.34
 8008.08  639.05 8241.44  649.14    8309  651.79 8447.88  661.06 8837.74  669.73
 8889.13  676.43 9054.99  697.79 9369.45  696.55 9384.56  695.04 9569.84  677.21
 9718.64  677.16 9991.44  696.2910178.93  696.2310375.34  676.9510575.11  671.73
10729.85  666.9710748.33  666.4910844.56  647.27 11025.1  618.4411086.61  618.44
11131.69   627.211267.72  654.8211383.22  677.2711799.34  669.0911969.06  665.37
12028.96   663.812257.34  659.3112528.14  654.7712850.39  648.4413531.89  638.83
15101.41  638.8315359.74  638.44 16023.8  638.4416534.68  648.0516599.16  657.66
16914.68  650.7316922.17  650.1717036.63  647.6317743.93  608.9918346.07  599.22
18482.72  589.5418963.88  589.3119088.02  579.6419283.37  567.1419852.82  567.14
20040.09  570.1620219.64  599.2220302.37   608.320320.09  610.1220542.48  614.94
20952.97  621.3721359.01  619.9223328.77  611.9523436.26  611.9523650.35  613.36
23976.79  615.12 24896.9  621.1725136.99  630.78 26700.1  640.3927056.78  644.95
27451.51  650.1328058.27  669.54 28267.2  669.6129306.75  669.6129899.37  669.22
 30154.8  669.2230690.23  659.6130911.95  654.0331071.97  650.0631202.56   640.5
31341.19  640.5631615.44  650.2731915.54  652.77 32939.8  662.08 33559.4  667.01
34462.27  676.9134595.36  677.9735170.89   680.235203.27  680.4636689.76  695.39
37662.93  702.7937847.12  709.5738175.35  722.5438214.02  723.9838499.98  734.21
38809.33  746.0838956.81  751.56 39679.1     790 40328.2  796.3940655.54     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518346.07     .1520219.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18346.0720219.64                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502797.00   339470.40   1929897.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1502797.00   339470.40   1929897.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2427913.00   880761.20   3421326.00
  Top Width (ft)          37652.36    Top Width (ft)          16889.19    1873.57   18889.59
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.62       2.59       1.77
  Max Chl Dpth (ft)         192.53    Hydr. Depth (ft)           88.98     181.19     102.17
  Conv. Total (cfs)       821763800.0    Conv. (cfs)            296459300.0   107545000.0   417759500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16910.60    1877.05   18893.03
  Min Ch El (ft)            567.14    Shear (lb/sq ft)            0.37       0.76       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.60       1.96       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24202.56    3941.67   26982.26
  C & E Loss (ft)             0.00    Cum SA (acres)             75.92       8.52      84.42


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274079.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  211.34  790.17   687.6  770.47 1448.62  760.11 1640.12   750.3
 1945.95  743.94 2125.31  740.38 2500.36  740.38 2858.39  737.77 3819.99  729.35
  3896.9     725 3994.62  719.62 4006.74  719.34 4222.68  714.79 4415.32  710.38
 4568.43  705.74 4732.82  700.64 5134.67  690.73 5624.41  685.72 5988.89  682.25
 6145.73  680.71 6316.39  671.03 6389.81  661.39 6778.75  661.26 7153.46  667.99
 7304.62  670.76 7540.77  651.52 7719.37   641.9 7795.77  632.28 7848.35  632.28
 8009.73     639 8243.15  649.09 8310.72  651.74 8449.63  661.04 8839.57  669.74
 8890.97  676.45 9056.86  697.84 9371.39  696.64  9386.5  695.13 9571.82  677.28
 9720.65  677.23  9993.5  696.3910181.03  696.3310377.49  677.0210577.29  671.81
10732.07  667.0610750.56  666.58 10846.8  647.3411027.38  618.48 11088.9  618.48
11133.99  627.2511270.05  654.8611385.57  677.3411801.78  669.1511971.54  665.44
12031.45  663.8812259.87  659.3912530.73  654.8212853.04  648.4813534.69  638.86
15104.53  638.8615362.91  638.4816027.11  638.48 16538.1   648.116602.59  657.72
16918.17  650.7816925.66  650.2417040.15  647.69 17747.6  609.0218349.87  599.24
18486.65  589.55 18968.3  589.3219092.56  579.6519288.11  567.14 19857.8  567.14
20045.24  570.1620224.95  599.2420307.68   608.3 20325.4  610.1120547.76   614.9
 20958.2  621.33 21364.2  619.8823333.72   611.9 23441.2   611.923655.27  613.31
23981.66  615.0824901.67  621.1425141.73  630.7626704.66  640.38 27061.3  644.95
27455.99  650.1228062.67  669.5528271.58  669.6229311.01  669.6229903.56  669.24
30158.96  669.2430694.33  659.6230916.02  654.0331076.02  650.06 31206.6  640.49
31345.21  640.5431619.43  650.2731919.49  652.7732943.64  662.0533563.16  666.98
34465.93  676.82   34599  677.8835174.46  680.1835206.84  680.4436693.16   695.3
37666.21  702.7237850.38  709.5138178.57  722.4738217.24  723.9138503.17  734.16
38812.48  746.0438959.95  751.5239682.14     79040331.17   796.440658.47     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518349.87     .1520224.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18349.8720224.95                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502762.00   339728.80   1930230.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1502762.00   339728.80   1930230.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2426979.00   881223.90   3421797.00
  Top Width (ft)          37655.77    Top Width (ft)          16892.69    1875.08   18887.99
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.62       2.59       1.77
  Max Chl Dpth (ft)         192.53    Hydr. Depth (ft)           88.96     181.18     102.19
  Conv. Total (cfs)       821933300.0    Conv. (cfs)            296406400.0   107623700.0   417903300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16914.14    1878.56   18891.43
  Min Ch El (ft)            567.14    Shear (lb/sq ft)            0.37       0.76       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.60       1.96       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24030.06    3902.69   26760.72
  C & E Loss (ft)             0.00    Cum SA (acres)             73.98       8.31      82.25


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274077.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  211.38  790.17  687.74  770.46 1448.92   760.1 1640.46  750.29
 1946.35  743.93 2125.75  740.37 2500.88  740.37 2858.98  737.76 3820.78  729.37
  3897.7  725.02 3995.45  719.63 4007.57  719.35 4223.55  714.78 4416.23  710.37
 4569.38  705.73  4733.8  700.62 5135.73  690.71 5625.58  685.71 5990.13  682.23
    6147  680.69 6317.69  671.01 6391.13  661.35 6780.16  661.23 7154.94  667.97
 7306.13  670.74 7542.33  651.48 7720.96  641.85 7797.38  632.22 7849.98  632.22
 8011.39  638.94 8244.85  649.04 8312.44   651.7 8451.38  661.01 8841.39  669.75
  8892.8  676.46 9058.73   697.9 9373.33  696.73 9388.44  695.22 9573.79  677.35
 9722.66  677.31 9995.57  696.4810183.13  696.4210379.63   677.110579.48  671.88
10734.29  667.1510752.78  666.6710849.04  647.4111029.66  618.5211091.19  618.52
11136.29   627.311272.38  654.9111387.92  677.4111804.22  669.2211974.01   665.5
12033.94  663.9512262.41  659.4612533.32  654.87 12855.7  648.5213537.49  638.89
15107.65  638.8915366.09  638.5216030.42  638.5216541.52  648.1516606.02  657.78
16921.67  650.8316929.16   650.317043.68  647.7517751.27  609.0518353.66  599.26
18490.58  589.5718972.71  589.34 19097.1  579.6519292.84  567.1419862.78  567.14
20050.39  570.1620230.27  599.2620312.98   608.320330.71  610.1120553.04  614.86
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20963.43   621.321369.38  619.8323338.68  611.8523446.14  611.8523660.18  613.26
23986.54  615.0424906.44  621.1125146.48  630.7426709.22  640.3727065.82  644.94
27460.46  650.1228067.08  669.5728275.96  669.6329315.27  669.6329907.75  669.26
30163.12  669.2630698.43  659.6330920.09  654.0431080.07  650.0631210.64  640.48
31349.23  640.5331623.42  650.2631923.44  652.7632947.47  662.0233566.92  666.96
34469.58  676.7434602.64   677.835178.04  680.1635210.41  680.4236696.55  695.21
 37669.5  702.6537853.64  709.44 38181.8   722.438220.46  723.8438506.36  734.11
38815.63  745.9938963.08  751.48 39685.2     79040334.14   796.440661.41     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518353.66     .1520230.27     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18353.6620230.27                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502717.00   339986.10   1930557.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1502717.00   339986.10   1930557.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2426028.00   881684.80   3422287.00
  Top Width (ft)          37659.35    Top Width (ft)          16896.37    1876.61   18886.37
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.61       2.59       1.77
  Max Chl Dpth (ft)         192.53    Hydr. Depth (ft)           88.94     181.17     102.22
  Conv. Total (cfs)       822094200.0    Conv. (cfs)             296348200.0   107701000.0   418045000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16917.85    1880.09   18889.81
  Min Ch El (ft)            567.14    Shear (lb/sq ft)            0.37       0.76       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.60       1.96       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23857.57    3863.68   26539.14
  C & E Loss (ft)             0.00    Cum SA (acres)             72.04       8.09      80.08


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274074.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  211.43  790.16  687.88  770.44 1449.22   760.1  1640.8  750.28
 1946.76  743.92 2126.18  740.36 2501.39  740.36 2859.57  737.74 3821.57  729.39
 3898.51  725.03 3996.27  719.64  4008.4  719.36 4224.42  714.77 4417.14  710.36
 4570.32  705.71 4734.78  700.61 5136.79  690.69 5626.74  685.69 5991.36  682.22
 6148.27  680.67    6319  670.98 6392.45  661.32 6781.56   661.2 7156.42  667.95
 7307.64  670.72 7543.89  651.44 7722.56   641.8 7798.99  632.16  7851.6  632.16
 8013.04  638.89 8246.56  648.98 8314.16  651.65 8453.12  660.98 8843.22  669.75
 8894.64  676.48  9060.6  697.96 9375.26  696.81 9390.38  695.31 9575.77  677.42
 9724.67  677.38 9997.63  696.5810185.24  696.5210381.78  677.1810581.67  671.96
10736.51  667.24   10755  666.7610851.29  647.4811031.94  618.5611093.48  618.56
11138.59  627.3511274.71  654.9611390.28  677.4811806.66  669.2811976.49  665.57
12036.42  664.0312264.94  659.5312535.91  654.9112858.36  648.5613540.28  638.92
15110.78  638.9215369.26  638.5616033.74  638.5616544.93   648.216609.46  657.84
16925.17  650.8916932.66  650.36 17047.2  647.8117754.93  609.0718357.45  599.28
18494.51  589.5818977.12  589.3619101.64  579.6619297.58  567.1419867.76  567.14
20055.54  570.1520235.59  599.2820318.29   608.320336.01  610.1120558.31  614.83
20968.67  621.2621374.56  619.7923343.63   611.823451.09   611.8 23665.1  613.21
23991.42  615.0124911.21  621.0825151.22  630.7226713.78  640.3627070.34  644.94
27464.93  650.1228071.48  669.5828280.34  669.6429319.53  669.6429911.94  669.28
30167.28  669.2830702.52  659.6430924.16  654.0431084.12  650.0631214.67  640.46
31353.26  640.5131627.41  650.25 31927.4  652.7532951.31     66233570.68  666.93
34473.24  676.6534606.28  677.7135181.61  680.1435213.98   680.436699.95  695.12
37672.78  702.58 37856.9  709.3838185.02  722.3338223.68  723.7738509.55  734.06
38818.79  745.9538966.21  751.4439688.24     79040337.12  796.4140664.34     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518357.45     .1520235.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18357.4520235.59                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502685.00   340246.90   1930875.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1502685.00   340246.90   1930875.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2425115.00   882153.60   3422732.00
  Top Width (ft)          37662.75    Top Width (ft)          16899.86    1878.14   18884.75
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.61       2.59       1.77
  Max Chl Dpth (ft)         192.53    Hydr. Depth (ft)           88.92     181.16     102.25
  Conv. Total (cfs)       822260700.0    Conv. (cfs)             296296700.0   107780100.0   418183900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16921.37    1881.63   18888.19
  Min Ch El (ft)            567.14    Shear (lb/sq ft)            0.37       0.76       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.60       1.96       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23685.09    3824.64   26317.52
  C & E Loss (ft)             0.00    Cum SA (acres)             70.10       7.87      77.91


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274071.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  211.47  790.16  688.03  770.43 1449.52   760.1 1641.13  750.28
 1947.16  743.92 2126.62  740.35 2501.91  740.35 2860.16  737.73 3822.36   729.4
 3899.31  725.05  3997.1  719.65 4009.22  719.37  4225.3  714.77 4418.06  710.35
 4571.26   705.7 4735.76  700.59 5137.85  690.67  5627.9  685.68  5992.6   682.2
 6149.54  680.65  6320.3  670.95 6393.77  661.28 6782.96  661.16  7157.9  667.93
 7309.15   670.7 7545.45   651.4 7724.15  641.75  7800.6   632.1 7853.22   632.1
  8014.7  638.84 8248.26  648.93 8315.88   651.6 8454.87  660.95 8845.05  669.76
 8896.48   676.5 9062.48  698.01  9377.2   696.9 9392.32  695.39 9577.75   677.5
```

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 9726.67  677.45  9999.7  696.6710187.34  696.6210383.92  677.2610583.85  672.03
10738.72  667.3310757.22  666.8510853.53  647.5511034.22   618.611095.78   618.6
 11140.9   627.411277.03     65511392.63  677.55 11809.1  669.3411978.96  665.64
12038.91  664.1112267.47   659.6 12538.5  654.9612861.01   648.613543.08  638.95
 15113.9  638.9515372.44   638.616037.05   638.616548.35  648.2516612.89   657.9
16928.67  650.9416936.16  650.4217050.72  647.87 17758.6   609.118361.24   599.3
18498.44  589.5918981.54  589.3819106.17  579.6719302.31  567.1419872.73  567.14
 20060.7  570.15 20240.9   599.3 20323.6   608.320341.31   610.120563.59  614.79
 20973.9  621.2321379.75  619.7523348.59  611.7523456.03  611.7523670.02  613.16
 23996.3  614.9724915.99  621.0525155.96   630.726718.34  640.3527074.86  644.93
27469.41  650.1128075.88  669.5928284.71  669.6529323.79  669.6529916.13   669.3
30171.44   669.330706.62  659.6530928.23  654.0531088.18  650.0631218.71  640.45
31357.28   640.531631.39  650.2531931.35  652.7432955.14  661.9733574.45  666.91
34476.89  676.5634609.92  677.6335185.19  680.1235217.55  680.3836703.35  695.04
37676.07  702.5137860.16  709.3238188.25  722.26 38226.9   723.738512.73  734.01
38821.93   745.938969.34   751.439691.29     79040340.09  796.4140667.27     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518361.24     .15 20240.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18361.24 20240.9                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502644.00   340504.10   1931189.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1502644.00   340504.10   1931189.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2424197.00   882617.40   3423186.00
  Top Width (ft)          37666.14    Top Width (ft)          16903.35    1879.66   18883.13
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.61       2.59       1.77
  Max Chl Dpth (ft)         192.53    Hydr. Depth (ft)           88.90     181.15     102.27
  Conv. Total (cfs)       822420900.0    Conv. (cfs)            296242200.0   107857800.0   418320900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16924.89    1883.15   18886.58
  Min Ch El (ft)            567.14    Shear (lb/sq ft)            0.37       0.76       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.60       1.96       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23512.60    3785.57   26095.87
  C & E Loss (ft)             0.00    Cum SA (acres)             68.16       7.66      75.75


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274068.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  211.51  790.16  688.17  770.42 1449.82  760.09 1641.47  750.27
 1947.56  743.91 2127.06  740.34 2502.43  740.34 2860.75  737.72 3823.15  729.42
 3900.12  725.07 3997.93  719.66 4010.05  719.38 4226.17  714.76 4418.97  710.34
 4572.21  705.68 4736.74  700.57 5138.91  690.66 5629.06  685.66 5993.84  682.18
 6150.81  680.63 6321.61  670.92 6395.09  661.24 6784.36  661.13 7159.38   667.9
 7310.66  670.68    7547  651.36 7725.75   641.7 7802.21  632.04 7854.84  632.04
 8016.36  638.78 8249.96  648.88 8317.59  651.56 8456.62  660.93 8846.88  669.77
 8898.32  676.51 9064.35  698.07 9379.14  696.99 9394.26  695.48 9579.73  677.57
 9728.68  677.5210001.77  696.7710189.45  696.7110386.07  677.3410586.04  672.11
10740.94  667.4210759.45  666.9410855.77  647.62 11036.5  618.6411098.07  618.64
 11143.2  627.4511279.36  655.0511394.98  677.6211811.54   669.411981.43  665.71
 12041.4  664.1812270.01  659.6712541.09  655.0112863.67  648.6413545.88  638.98
15117.02  638.9815375.61  638.6416040.36  638.6416551.77   648.316616.32  657.96
16932.16  650.9916939.66  650.4917054.24  647.9317762.27  609.1218365.04  599.32
18502.37   589.618985.95   589.419110.71  579.6819307.04  567.1419877.71  567.14
20065.85  570.1420246.22  599.3220328.91   608.320346.62   610.120568.87  614.75
20979.13  621.1921384.93  619.7123353.54   611.723460.97   611.723674.94  613.12
24001.18  614.9324920.76  621.0225160.71  630.68 26722.9  640.3427079.38  644.93
27473.88  650.1128080.29   669.628289.09  669.6629328.04  669.6629920.32  669.32
 30175.6  669.3230710.72  659.66 30932.3  654.0531092.23  650.0531222.75  640.44
 31361.3  640.4931635.38  650.24 31935.3  652.7432958.98  661.9433578.21  666.89
34480.55  676.4834613.57  677.5435188.76   680.135221.12  680.3636706.74  694.95
37679.35  702.4337863.43  709.2638191.47  722.1938230.12  723.6338515.92  733.97
38825.09  745.8538972.48  751.3639694.34     79040343.07  796.4240670.21     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518365.04     .1520246.22     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18365.0420246.22                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502608.00   340763.30   1931506.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1502608.00   340763.30   1931506.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2423269.00   883087.10   3423644.00
  Top Width (ft)          37669.73    Top Width (ft)          16907.03    1881.18   18881.51
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.61       2.59       1.77
  Max Chl Dpth (ft)         192.53    Hydr. Depth (ft)           88.87     181.14     102.30
  Conv. Total (cfs)       822582700.0    Conv. (cfs)            296187000.0   107936400.0   418459200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16928.61    1884.67   18884.96
  Min Ch El (ft)            567.14    Shear (lb/sq ft)            0.37       0.76       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.60       1.96       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23340.13    3746.47   25874.18
  C & E Loss (ft)             0.00    Cum SA (acres)             66.22       7.44      73.58


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274065.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
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       0     800  211.56  790.15  688.31  770.41 1450.12  760.09 1641.81  750.26
 1947.96   743.9  2127.5  740.33 2502.94  740.33 2861.34  737.71 3823.94  729.44
 3900.92  725.08 3998.75  719.67 4010.88  719.39 4227.04  714.76 4419.88  710.33
 4573.15  705.67 4737.72  700.56 5139.98  690.64 5630.23  685.65 5995.08  682.16
 6152.08  680.62 6322.91   670.9 6396.41  661.21 6785.76   661.1 7160.86  667.88
 7312.17  670.66 7548.56  651.32 7727.34  641.65 7803.82  631.98 7856.46  631.98
 8018.01  638.73 8251.67  648.82 8319.31  651.51 8458.36   660.9  8848.7  669.77
 8900.16  676.53 9066.22  698.13 9381.08  697.08 9396.21  695.57 9581.71  677.64
 9730.69   677.610003.83  696.8610191.55  696.8110388.21  677.4210588.22  672.18
10743.16  667.5110761.67  667.0310858.01  647.6911038.78  618.6811100.36  618.68
 11145.5   627.511281.69   655.111397.34  677.6911813.98  669.4611983.91  665.78
12043.89  664.2612272.54  659.7512543.68  655.0512866.33  648.6813548.68  639.01
15120.14  639.0115378.79  638.6816043.67  638.6816555.19  648.3516619.75  658.02
16935.66  651.0516943.16  650.5517057.77  647.9917765.94  609.1518368.83  599.34
 18506.3  589.6118990.36  589.4119115.25  579.6919311.78  567.1419882.69  567.14
   20071  570.1420251.54  599.3420334.21  608.2920351.93   610.120574.15  614.72
20984.36  621.1621390.12  619.67 23358.5  611.6523465.91  611.6523679.85  613.07
24006.06   614.924925.53  620.9925165.45  630.6626727.47  640.33 27083.9  644.92
27478.36  650.1128084.69  669.6128293.47  669.67 29332.3  669.6729924.51  669.34
30179.75  669.3430714.81  659.6730936.38  654.0531096.28  650.0531226.79  640.43
31365.32  640.4731639.37  650.2331939.26  652.7332962.81  661.9133581.97  666.86
34484.21  676.3934617.21  677.4535192.34  680.0835224.69  680.3336710.14  694.86
37682.63  702.3637866.69  709.19 38194.7  722.1238233.34  723.5638519.11  733.92
38828.23  745.8138975.61  751.3239697.39     79040346.04  796.4340673.14     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518368.83     .1520251.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18368.8320251.54                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502553.00   341024.60   1931841.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1502553.00   341024.60   1931841.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2422297.00   883560.70   3424143.00
  Top Width (ft)          37673.12    Top Width (ft)          16910.52    1882.71   18879.89
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.61       2.59       1.77
  Max Chl Dpth (ft)         192.53    Hydr. Depth (ft)           88.85     181.14     102.32
  Conv. Total (cfs)       822747900.0    Conv. (cfs)             296127700.0   108016000.0   418604200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16932.13    1886.20   18883.33
  Min Ch El (ft)            567.14    Shear (lb/sq ft)            0.37       0.76       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.60       1.96       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23167.65    3707.34   25652.46
  C & E Loss (ft)             0.00    Cum SA (acres)             64.28       7.23      71.41


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274062.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   211.6  790.15  688.45  770.39 1450.42  760.09 1642.15  750.25
 1948.37   743.9 2127.94  740.32 2503.46  740.32 2861.94  737.69 3824.73  729.45
 3901.73   725.1 3999.58  719.68 4011.71   719.4 4227.92  714.75 4420.79  710.32
  4574.1  705.65 4738.69  700.54 5141.04  690.62 5631.39  685.63 5996.32  682.14
 6153.35   680.6 6324.22  670.87 6397.73  661.17 6787.16  661.06 7162.34  667.86
 7313.68  670.64 7550.12  651.28 7728.94   641.6 7805.43  631.92 7858.09  631.92
 8019.67  638.68 8253.37  648.77 8321.03  651.47 8460.11  660.87 8850.53  669.78
 8901.99  676.55 9068.09  698.18 9383.01  697.17 9398.14  695.66 9583.69  677.71
  9732.7  677.67 10005.9  696.9610193.66  696.9110390.36  677.4910590.41  672.26
10745.38   667.610763.89  667.1210860.25  647.7611041.06  618.7211102.65  618.72
 11147.8  627.5511284.02  655.1411399.69  677.7611816.42  669.5211986.38  665.84
12046.37  664.3412275.08  659.8212546.27   655.112868.98  648.7213551.47  639.04
15123.27  639.0415381.96  638.7216046.99  638.7216558.61   648.416623.18  658.08
16939.16   651.116946.66  650.6117061.29  648.0517769.61  609.1818372.62  599.36
18510.23  589.6218994.78  589.4319119.79   579.719316.51  567.1419887.67  567.14
20076.15  570.1420256.86  599.3620339.52  608.2920357.23  610.0920579.43  614.68
20989.59  621.12 21395.3  619.6323363.45   611.623470.85   611.623684.77  613.02
24010.94  614.86 24930.3  620.96 25170.2  630.6426732.03  640.3227088.42  644.91
27482.83   650.128089.09  669.6228297.85  669.6829336.56  669.68 29928.7  669.36
30183.91  669.3630718.91  659.6830940.45  654.0631100.33  650.0531230.82  640.41
31369.34  640.4631643.36  650.2231943.21  652.7232966.64  661.8833585.73  666.84
34487.87   676.334620.85  677.3735195.91  680.0635228.26  680.3136713.54  694.77
37685.92  702.2937869.95  709.1338197.92  722.0538236.55  723.4938522.29  733.87
38831.39  745.7638978.74  751.2839700.44     79040349.01  796.4340676.08     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518372.62     .1520256.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18372.6220256.86                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502527.00   341283.50   1932173.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1502527.00   341283.50   1932173.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2421382.00   884014.60   3424603.00
  Top Width (ft)          37676.51    Top Width (ft)          16914.01    1884.24   18878.26
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.61       2.59       1.77
  Max Chl Dpth (ft)         192.53    Hydr. Depth (ft)           88.83     181.13     102.35
  Conv. Total (cfs)       822920400.0    Conv. (cfs)             296078000.0   108094200.0   418748300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16935.66    1887.73   18881.70
  Min Ch El (ft)            567.14    Shear (lb/sq ft)            0.37       0.75       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.60       1.96       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22995.18    3668.18   25430.70
  C & E Loss (ft)             0.00    Cum SA (acres)             62.34       7.01      69.25


CROSS SECTION
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RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274059.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  211.65  790.14  688.59  770.38 1450.72  760.09 1642.49  750.24
 1948.77  743.89 2128.38  740.31 2503.98  740.31 2862.53  737.68 3825.52  729.47
 3902.54  725.11  4000.4  719.69 4012.54  719.41 4228.79  714.75 4421.71  710.31
 4575.04  705.64 4739.67  700.52  5142.1   690.6 5632.55  685.62 5997.55  682.12
 6154.62  680.58 6325.53  670.84 6399.06  661.13 6788.56  661.03 7163.81  667.83
 7315.19  670.62 7551.68  651.24 7730.54  641.55 7807.05  631.86 7859.71  631.86
 8021.32  638.62 8255.08  648.72 8322.75  651.42 8461.86  660.84 8852.36  669.79
 8903.83  676.57 9069.96  698.24 9384.95  697.26 9400.08  695.75 9585.67  677.78
 9734.71  677.7410007.96  697.0510195.76     697 10392.5  677.57 10592.6  672.33
 10747.6  667.6910766.11  667.21 10862.5  647.8311043.34  618.7611104.94  618.76
 11150.1   627.611286.35  655.1911402.04  677.8311818.86  669.5911988.86  665.91
12048.86  664.4212277.61  659.8912548.86  655.1412871.64  648.7613554.27  639.07
15126.39  639.0715385.14  638.76 16050.3  638.7616562.03  648.4516626.61  658.14
16942.65  651.1516950.15  650.6817064.81  648.1217773.28   609.218376.42  599.38
18514.16  589.6418999.19  589.4519124.33  579.7119321.25  567.1319892.65  567.13
 20081.3  570.1320262.17  599.3820344.83  608.2920362.54  610.0920584.71  614.64
20994.82  621.0921400.48  619.5823368.41  611.5523475.79  611.5523689.69  612.97
24015.82  614.8324935.07  620.9325174.94  630.6226736.59  640.3127092.94  644.91
 27487.3   650.1 28093.5  669.6428302.23  669.6929340.82  669.6929932.88  669.38
30188.07  669.3830723.01  659.6930944.52  654.0631104.39  650.0531234.86   640.4
31373.36  640.4431647.35  650.2231947.16  652.7132970.48  661.85 33589.5  666.81
34491.52  676.2234624.49  677.2835199.48  680.0335231.83  680.2936716.93  694.68
 37689.2  702.2237873.21  709.0738201.14  721.9838239.77  723.4338525.48  733.82
38834.54  745.7238981.88  751.2439703.49     79040351.98  796.4440679.02     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518376.42     .1520262.17     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18376.4220262.17                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502488.00   341545.10   1932499.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1502488.00   341545.10   1932499.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2420447.00   884490.90   3425062.00
  Top Width (ft)          37679.91    Top Width (ft)          16917.51    1885.75   18876.65
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.61       2.59       1.77
  Max Chl Dpth (ft)         192.54    Hydr. Depth (ft)           88.81     181.12     102.38
  Conv. Total (cfs)       823088300.0    Conv. (cfs)            296024000.0   108174500.0   418889800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16939.19    1889.25   18880.10
  Min Ch El (ft)            567.13    Shear (lb/sq ft)            0.37       0.75       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.60       1.95       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22822.72    3628.99   25208.89
  C & E Loss (ft)             0.00    Cum SA (acres)             60.39       6.79      67.08


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274056.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  211.69  790.14  688.74  770.37 1451.02  760.08 1642.83  750.24
 1949.17  743.89 2128.82  740.3 2504.49   740.3 2863.12  737.67 3826.31  729.49
 3903.34  725.13 4001.23  719.7 4013.36  719.42 4229.66  714.74 4422.62   710.3
 4575.99  705.62 4740.65  700.51 5143.16  690.58 5633.71   685.6 5998.79   682.1
 6155.89  680.56 6326.83  670.82 6400.38   661.1 6789.96     661 7165.29  667.81
  7316.7   670.6 7553.24   651.2 7732.13   641.5 7808.66   631.8 7861.33   631.8
 8022.98  638.57 8256.78  648.66 8324.46  651.37  8463.6  660.82 8854.18   669.8
 8905.67  676.58 9071.84   698.3 9386.89  697.35 9402.03  695.84 9587.64  677.85
 9736.72  677.8210010.03  697.1510197.87   697.110394.65  677.6510594.78   672.4
10749.82  667.7810768.33   667.310864.74   647.911045.62   618.811107.24   618.8
 11152.4  627.6511288.68  655.24 11404.4   677.9 11821.3  669.6511991.33  665.98
12051.35  664.4912280.15  659.9612551.45  655.19 12874.3   648.813557.07   639.1
15129.51   639.115388.32   638.816053.61   638.816565.45   648.516630.04   658.2
16946.15   651.216953.65  650.7417068.33  648.1817776.95  609.2318380.21   599.4
18518.09  589.65 19003.6  589.4719128.86  579.7219325.98  567.1319897.63  567.13
20086.45  570.1320267.49   599.420350.14  608.2920367.84  610.0920589.99  614.61
21000.05  621.0521405.67  619.5423373.36   611.523480.74   611.5 23694.6  612.92
 24020.7  614.7924939.85   620.925179.69   630.626741.15   640.327097.46   644.9
27491.78   650.1 28097.9  669.6528306.61   669.729345.07   669.729937.07   669.4
30192.23   669.4 30727.1   659.730948.59  654.0731108.44  650.0531238.89  640.39
31377.38  640.4331651.34  650.2131951.12  652.7132974.31  661.8233593.26  666.79
34495.18  676.1334628.13   677.235203.06  680.01 35235.4  680.2736720.33   694.6
37692.48  702.1537876.48     70938204.37  721.91   38243  723.3638528.66  733.78
38837.69  745.6738985.01   751.239706.54     79040354.96  796.4540681.95     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518380.21     .1520267.49     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18380.2120267.49                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502433.00   341803.80   1932801.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1502433.00   341803.80   1932801.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2419506.00   884967.60   3425527.00
  Top Width (ft)          37683.48    Top Width (ft)          16921.18    1887.28   18875.02
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.61       2.59       1.77
  Max Chl Dpth (ft)         192.54    Hydr. Depth (ft)           88.79     181.11     102.40
  Conv. Total (cfs)       823238800.0    Conv. (cfs)            295963000.0   108252500.0   419023200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16942.90    1890.78   18878.47
```

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  Min Ch El (ft)            567.13    Shear (lb/sq ft)            0.37       0.75       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.60       1.95       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22650.26    3589.77   24987.06
  C & E Loss (ft)             0.00    Cum SA (acres)             58.45       6.58      64.91


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274053.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  211.73  790.13  688.88  770.36 1451.32  760.08 1643.17  750.23
 1949.57  743.88 2129.26  740.29 2505.01  740.29 2863.71  737.66  3827.1  729.51
 3904.15  725.14 4002.05  719.71 4014.19  719.43 4230.53  714.74 4423.53  710.29
 4576.93  705.61 4741.63  700.49 5144.22  690.56 5634.88  685.59 6000.03  682.09
 6157.16  680.54 6328.14  670.79  6401.7  661.06 6791.37  660.96 7166.77  667.79
 7318.21  670.58  7554.8  651.16 7733.73  641.45 7810.27  631.74 7862.95  631.74
 8024.63  638.52 8258.48  648.61 8326.18  651.33 8465.35  660.79 8856.01   669.8
 8907.51   676.6 9073.71  698.35 9388.82  697.43 9403.97  695.93 9589.62  677.92
 9738.73  677.8910012.09  697.2410199.97   697.210396.79  677.7310596.97  672.48
10752.03  667.8710770.56  667.3910866.98  647.97 11047.9  618.8411109.53  618.84
 11154.7   627.711291.01  655.2811406.75  677.9711823.74  669.7111993.81  666.05
12053.83  664.5712282.68  660.0312554.04  655.2412876.95  648.8413559.87  639.13
15132.63  639.1315391.49  638.8416056.93  638.8416568.86  648.5516633.48  658.26
16949.65  651.2616957.15   650.817071.85  648.2417780.61  609.25   18384  599.42
18522.03  589.6619008.02  589.48 19133.4  579.7319330.71  567.1319902.61  567.13
20091.61  570.1220272.81  599.4220355.44  608.2920373.15  610.0920595.27  614.57
21005.29  621.0221410.85   619.523378.32  611.4523485.68  611.4523699.52  612.87
24025.58  614.7524944.62  620.8725184.43  630.5826745.71  640.2927101.98   644.9
27496.25  650.09 28102.3  669.6628310.99  669.7129349.33  669.7129941.26  669.42
30196.39  669.42 30731.2  659.7130952.66  654.0731112.49  650.0531242.93  640.37
 31381.4  640.4131655.33   650.231955.07   652.732978.15  661.7933597.02  666.77
34498.84  676.0434631.77  677.1135206.63  679.9935238.97  680.2536723.73  694.51
37695.77  702.0837879.74  708.9438207.59  721.8438246.21  723.2938531.85  733.73
38840.84  745.6338988.14  751.1639709.59     79040357.93  796.4540684.89     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   18384    .1520272.81     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         1838420272.81                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502396.00   342067.60   1933129.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1502396.00   342067.60   1933129.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2418570.00   885444.50   3425985.00
  Top Width (ft)          37686.87    Top Width (ft)          16924.67    1888.81   18873.38
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.61       2.59       1.77
  Max Chl Dpth (ft)         192.54    Hydr. Depth (ft)           88.77     181.10     102.43
  Conv. Total (cfs)       823408800.0    Conv. (cfs)             295909700.0   108333300.0   419165900.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16946.42    1892.31   18876.84
  Min Ch El (ft)            567.13    Shear (lb/sq ft)            0.37       0.75       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.60       1.95       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22477.81    3550.53   24765.18
  C & E Loss (ft)             0.00    Cum SA (acres)             56.51       6.36      62.75


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274050.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  211.78  790.13  689.02  770.35 1451.62  760.08 1643.51  750.22
 1949.97  743.87  2129.7  740.28 2505.53  740.28  2864.3  737.64 3827.89  729.52
 3904.95  725.16 4002.88  719.72 4015.02  719.44 4231.41  714.73 4424.45  710.28
 4577.87  705.59 4742.61  700.47 5145.28  690.54 5636.04  685.57 6001.27  682.07
 6158.43  680.52 6329.44  670.76 6403.02  661.02 6792.77  660.93 7168.25  667.77
 7319.72  670.56 7556.36  651.12 7735.32   641.4 7811.88  631.68 7864.58  631.68
 8026.29  638.47 8260.19  648.56  8327.9  651.28  8467.1  660.76 8857.84  669.81
 8909.34  676.62 9075.58  698.41 9390.76  697.52 9405.91  696.01  9591.6     678
 9740.74  677.9610014.16  697.3410202.08  697.2910398.94  677.8110599.16  672.55
10754.25  667.9610772.78  667.4810869.22  648.0411050.18  618.8811111.82  618.88
11157.01  627.7411293.34  655.33 11409.1  678.0411826.18  669.7711996.28  666.12
12056.32  664.6512285.21  660.1112556.63  655.2812879.61  648.8813562.67  639.16
15135.75  639.1615394.67  638.8816060.24  638.8816572.28   648.616636.91  658.32
16953.14  651.3116960.65  650.8617075.38   648.317784.28  609.28 18387.8  599.44
18525.96  589.6719012.43   589.519137.94  579.7419335.45  567.1319907.59  567.13
20096.76  570.1220278.12  599.4420360.75  608.2920378.45  610.0820600.55  614.54
21010.52  620.9821416.04  619.4623383.27   611.423490.62   611.423704.44  612.82
24030.46  614.7224949.39  620.8425189.17  630.5626750.27  640.28 27106.5  644.89
27500.73  650.0928106.71  669.6728315.37  669.7229353.59  669.7229945.45  669.44
30200.55  669.44 30735.3  659.7230956.73  654.0731116.54  650.0431246.97  640.36
31385.42   640.431659.32   650.231959.03  652.6932981.98  661.7633600.78  666.74
34502.49  675.9634635.41  677.0335210.21  679.9735242.54  680.2336727.13  694.42
37699.05     702   37883  708.8838210.82  721.7738249.43  723.2238535.04  733.68
38843.98  745.5838991.28  751.1239712.63     790 40360.9  796.4640687.82     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 18387.8    .1520278.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        18387.820278.12                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)             5.00       5.00       5.00
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```
  Crit W.S. (ft)                      Flow Area (sq ft)       1502368.00   342322.40   1933456.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1502368.00   342322.40   1933456.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2417664.00   885891.30   3426445.00
  Top Width (ft)          37690.26    Top Width (ft)          16928.18    1890.32   18871.77
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.61       2.59       1.77
  Max Chl Dpth (ft)         192.54    Hydr. Depth (ft)           88.75     181.09     102.45
  Conv. Total (cfs)       823577500.0    Conv. (cfs)             295859400.0   108410100.0   419308000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16949.96    1893.82   18875.22
  Min Ch El (ft)            567.13    Shear (lb/sq ft)            0.37       0.75       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.59       1.95       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22305.36    3511.25   24543.27
  C & E Loss (ft)             0.00    Cum SA (acres)             54.57       6.14      60.58


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274047.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  211.82  790.12  689.16  770.33 1451.92  760.08 1643.85  750.21
 1950.38  743.87 2130.14  740.27 2506.05  740.27 2864.89  737.63 3828.68  729.54
 3905.76  725.18 4003.71  719.73 4015.85  719.45 4232.28  714.73 4425.36  710.27
 4578.82  705.58 4743.59  700.46 5146.34  690.52  5637.2  685.56 6002.51  682.05
  6159.7   680.5 6330.75  670.73 6404.34  660.99 6794.17   660.9 7169.73  667.74
 7321.23  670.54 7557.92  651.08 7736.92  641.35 7813.49  631.62  7866.2  631.62
 8027.95  638.41 8261.89  648.51 8329.62  651.24 8468.84  660.74 8859.67  669.82
 8911.18  676.63 9077.45  698.47  9392.7  697.61 9407.85   696.1 9593.58  678.07
 9742.75  678.0310016.23  697.4310204.18  697.3910401.08  677.8910601.34  672.63
10756.47  668.05   10775  667.5710871.46  648.1111052.46  618.9211114.11  618.92
11159.31  627.7911295.67  655.3811411.46  678.1111828.62  669.8311998.76  666.18
12058.81  664.7212287.75  660.1812559.22  655.3312882.27  648.9213565.46  639.19
15138.88  639.1915397.84  638.9216063.55  638.92 16575.7  648.6516640.34  658.38
16956.64  651.3616964.15  650.93 17078.9  648.3617787.95   609.318391.59  599.46
18529.88  589.6819016.84  589.5219142.48  579.7519340.18  567.1319912.57  567.13
20101.91  570.1120283.44  599.4620366.06  608.2820383.76  610.0820605.83   614.5
21015.75  620.9521421.22  619.4223388.23  611.3523495.56  611.3523709.36  612.78
24035.33  614.6824954.16  620.8125193.92  630.5426754.84  640.2727111.02  644.89
 27505.2  650.0928111.11  669.6828319.75  669.7329357.85  669.7329949.64  669.46
30204.71  669.4630739.39  659.73 30960.8  654.0831120.59  650.0431251.01  640.35
31389.44  640.39 31663.3  650.1931962.98  652.6832985.82  661.7333604.54  666.72
34506.15  675.8734639.05  676.9435213.79  679.9535246.11  680.2136730.52  694.33
37702.34  701.9337886.27  708.8238214.04   721.738252.65  723.1538538.22  733.63
38847.14  745.5338994.41  751.0839715.68     79040363.88  796.4740690.75     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518391.59    .1520283.44     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18391.5920283.44                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502320.00   342583.00   1933774.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1502320.00   342583.00   1933774.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2416726.00   886363.30   3426911.00
  Top Width (ft)          37693.64    Top Width (ft)          16931.66    1891.85   18870.13
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.61       2.59       1.77
  Max Chl Dpth (ft)         192.54    Hydr. Depth (ft)           88.73     181.08     102.48
  Conv. Total (cfs)       823738800.0    Conv. (cfs)             295802500.0   108489100.0   419447200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16953.48    1895.36   18873.59
  Min Ch El (ft)            567.13    Shear (lb/sq ft)            0.37       0.75       0.43
  Alpha                       1.07    Stream Power (lb/ft s)      0.59       1.95       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22132.91    3471.94   24321.32
  C & E Loss (ft)             0.00    Cum SA (acres)             52.62       5.93      58.41


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274044.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  211.86  790.12   689.3  770.32 1452.21  760.07 1644.19   750.2
 1950.78  743.86 2130.58  740.26 2506.56  740.26 2865.48  737.62 3829.47  729.56
 3906.56  725.19 4004.53  719.74 4016.68  719.46 4233.15  714.72 4426.27  710.26
 4579.76  705.56 4744.56  700.44  5147.4   690.5 5638.36  685.54 6003.74  682.03
 6160.97  680.48 6332.05  670.71 6405.66  660.95 6795.57  660.86 7171.21  667.72
 7322.74  670.52 7559.47  651.04 7738.51   641.3  7815.1  631.56 7867.82  631.56
  8029.6  638.36 8263.59  648.45 8331.34  651.19 8470.59  660.71 8861.49  669.82
 8913.02  676.65 9079.33  698.52 9394.63   697.7 9409.79  696.19 9595.56  678.14
 9744.76  678.1110018.29  697.5310206.28  697.4910403.23  677.9610603.53   672.7
10758.69  668.1410777.22  667.6610873.71  648.1811054.74  618.96 11116.4  618.96
11161.61  627.84   11298  655.4211413.81  678.1811831.05  669.8912001.23  666.25
12061.29   664.812290.28  660.2512561.82  655.3812884.92  648.9613568.26  639.22
   15142  639.2215401.02  638.9616066.87  638.9616579.12   648.716643.77  658.44
16960.14  651.4216967.65  650.9917082.42  648.4217791.62  609.3318395.38  599.48
18533.81   589.719021.26  589.5419147.02  579.7619344.92  567.1319917.55  567.13
20107.06  570.1120288.76  599.4820371.37  608.2820389.06  610.0820611.11  614.46
21020.98  620.9121426.41  619.3823393.18   611.323500.51   611.323714.27  612.73
24040.21  614.6424958.93  620.7825198.66  630.52 26759.4  640.2627115.54  644.88
27509.67  650.0828115.51   669.728324.12  669.7429362.11  669.7429953.83  669.48
30208.87  669.4830743.49  659.7430964.87  654.0831124.65  650.0431255.04  640.34
31393.46  640.3731667.29  650.1831966.93  652.6832989.65  661.71 33608.3  666.69
34509.81  675.79 34642.7  676.8635217.36  679.9335249.68  680.1936733.92  694.24
37705.62  701.8637889.53  708.7538217.26  721.6338255.87  723.0838541.41  733.59
38850.29  745.4938997.54  751.0439718.73     79040366.85  796.4740693.69     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518395.38    .1520288.76     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18395.3820288.76                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502286.00   342838.30   1934088.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1502286.00   342838.30   1934088.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2415814.00   886815.10   3427371.00
  Top Width (ft)          37697.23    Top Width (ft)          16935.35    1893.38   18868.49
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.61       2.59       1.77
  Max Chl Dpth (ft)         192.54    Hydr. Depth (ft)           88.71     181.07     102.50
  Conv. Total (cfs)       823898200.0    Conv. (cfs)            295748100.0   108565400.0   419584700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16957.20    1896.89   18871.95
  Min Ch El (ft)            567.13    Shear (lb/sq ft)            0.37       0.75       0.43
  Alpha                       1.08    Stream Power (lb/ft s)      0.59       1.95       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21960.47    3432.60   24099.34
  C & E Loss (ft)             0.00    Cum SA (acres)             50.68       5.71      56.25


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274041.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  211.91  790.11  689.45  770.31 1452.51  760.07 1644.52   750.2
 1951.18  743.85 2131.02  740.25 2507.08  740.25 2866.07   737.6 3830.26  729.57
 3907.37  725.21 4005.36  719.75 4017.51  719.47 4234.03  714.71 4427.18  710.25
 4580.71  705.55 4745.54  700.42 5148.47  690.48 5639.53  685.53 6004.98  682.01
 6162.24  680.47 6333.36  670.68 6406.98  660.91 6796.97  660.83 7172.69   667.7
 7324.25   670.5 7561.03     651 7740.11  641.25 7816.71   631.5 7869.44   631.5
 8031.26  638.31  8265.3   648.4 8333.05  651.15 8472.34  660.68 8863.32  669.83
 8914.86  676.67  9081.2  698.58 9396.57  697.79 9411.73  696.28 9597.54  678.21
 9746.77  678.1810020.36  697.6210208.39  697.5810405.37  678.0410605.71  672.78
10760.91  668.2310779.45  667.7510875.95  648.2511057.01     619 11118.7     619
11163.91  627.8911300.33  655.4711416.16  678.2511833.49  669.9512003.71  666.32
12063.78  664.8812292.82  660.3212564.41  655.4212887.58     64913571.06  639.25
15145.12  639.2515404.19     63916070.18     63916582.54  648.7516647.21   658.5
16963.64  651.4716971.15  651.0517085.94  648.4817795.29  609.3618399.18   599.5
18537.75  589.7119025.67  589.5619151.55  579.7719349.65  567.1319922.53  567.13
20112.21  570.1120294.07   599.520376.67  608.2820394.37  610.0720616.39  614.43
21026.21  620.8821431.59  619.3323398.13  611.2523505.45  611.2523719.19  612.68
24045.09  614.6124963.71  620.75 25203.4   630.526763.96  640.2527120.06  644.88
27514.15  650.0828119.92  669.71 28328.5  669.7529366.36  669.7529958.02   669.5
30213.03   669.530747.59  659.7530968.94  654.09 31128.7  650.0431259.08  640.32
31397.48  640.3631671.28  650.1831970.89  652.6732993.48  661.6833612.07  666.67
34513.46   675.734646.34  676.7735220.93  679.9135253.25  680.1736737.32  694.16
37708.91  701.7937892.79  708.6938220.49  721.5638259.09  723.0138544.59  733.54
38853.44  745.4439000.68     75139721.78     79040369.82  796.4840696.62     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518399.18     .1520294.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18399.1820294.07                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502249.00   343093.80   1934400.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1502249.00   343093.80   1934400.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2414910.00   887271.60   3427819.00
  Top Width (ft)          37700.61    Top Width (ft)          16938.84    1894.89   18866.88
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.61       2.59       1.77
  Max Chl Dpth (ft)         192.54    Hydr. Depth (ft)           88.69     181.06     102.53
  Conv. Total (cfs)       824059100.0    Conv. (cfs)            295695100.0   108642500.0   419721500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16960.73    1898.40   18870.33
  Min Ch El (ft)            567.13    Shear (lb/sq ft)            0.37       0.75       0.43
  Alpha                       1.08    Stream Power (lb/ft s)      0.59       1.95       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21788.03    3393.23   23877.32
  C & E Loss (ft)             0.00    Cum SA (acres)             48.73       5.49      54.08


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274039.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  211.95  790.11  689.59   770.3 1452.81  760.07 1644.86  750.19
 1951.58  743.85 2131.46  740.24  2507.6  740.24 2866.66  737.59 3831.05  729.59
 3908.17  725.22 4006.18  719.76 4018.33  719.48  4234.9  714.71  4428.1  710.24
 4581.65  705.53 4746.52  700.41 5149.53  690.46 5640.69  685.51 6006.22  681.99
 6163.51  680.45 6334.67  670.65  6408.3  660.88 6798.37   660.8 7174.17  667.67
 7325.76  670.48 7562.59  650.96 7741.71   641.2 7818.33  631.44 7871.06  631.44
 8032.91  638.25    8267  648.35 8334.77   651.1 8474.08  660.65 8865.15  669.84
  8916.7  676.69 9083.07  698.64 9398.51  697.88 9413.67  696.37 9599.51  678.28
 9748.78  678.2510022.42  697.7210210.49  697.6810407.52  678.12 10607.9  672.85
10763.13  668.3210781.67  667.8410878.19  648.3211059.29  619.0411120.99  619.04
11166.21  627.9411302.66  655.5211418.52  678.3211835.93  670.0212006.18  666.39
12066.27  664.9512295.35   660.4   12567  655.4712890.24  649.0413573.86  639.28
15148.24  639.2815407.37  639.0416073.49  639.0416585.96   648.816650.64  658.56
16967.13  651.5216974.64  651.1117089.46  648.5417798.96  609.3818402.97  599.52
18541.68  589.7219030.08  589.5719156.09  579.7819354.38  567.13 19927.5  567.13
20117.36   570.120299.39  599.5220381.98  608.2820399.67  610.0720621.67  614.39
21031.44  620.8421436.78  619.2923403.09   611.223510.39   611.223724.11  612.63
24049.97  614.5724968.48  620.7225208.15  630.4826768.52  640.2427124.58  644.87
27518.62  650.0828124.32  669.7228332.88  669.7629370.62  669.7629962.21  669.52
30217.19  669.5230751.68  659.7630973.01  654.0931132.75  650.0431263.12  640.31
 31401.5  640.3431675.27  650.1731974.84  652.6632997.32  661.6533615.83  666.65
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34517.12  675.6134649.98  676.6935224.51  679.8935256.82  680.1536740.71  694.07
37712.19  701.7237896.05  708.6338223.71  721.4938262.31  722.9438547.78  733.49
38856.59   745.439003.81  750.9639724.83     790 40372.8  796.4940699.56     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518402.97     .1520299.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18402.9720299.39                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502203.00   343357.10   1934725.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1502203.00   343357.10   1934725.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2413964.00   887749.90   3428287.00
  Top Width (ft)          37703.99    Top Width (ft)          16942.34    1896.42   18865.23
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.61       2.59       1.77
  Max Chl Dpth (ft)         192.54    Hydr. Depth (ft)           88.67     181.06     102.56
  Conv. Total (cfs)       824225400.0    Conv. (cfs)            295639000.0   108723000.0   419863400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16964.26    1899.93   18868.70
  Min Ch El (ft)            567.13    Shear (lb/sq ft)            0.37       0.75       0.43
  Alpha                       1.08    Stream Power (lb/ft s)      0.59       1.94       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21615.60    3353.84   23655.26
  C & E Loss (ft)             0.00    Cum SA (acres)             46.79       5.27      51.92


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274036.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800     212  790.11  689.73  770.28 1453.11  760.06  1645.2  750.18
 1951.99  743.84  2131.9  740.23 2508.11  740.23 2867.25  737.58 3831.84  729.61
 3908.98  725.24 4007.01  719.77 4019.16  719.49 4235.77   714.7 4429.01  710.23
  4582.6  705.52  4747.5  700.39 5150.59  690.44 5641.85   685.5 6007.46  681.98
 6164.78  680.43 6335.97  670.63 6409.62  660.84 6799.77  660.76 7175.64  667.65
 7327.27  670.46 7564.15  650.92  7743.3  641.15 7819.94  631.38 7872.69  631.38
 8034.57   638.2 8268.71  648.29 8336.49  651.05 8475.83  660.63 8866.97  669.84
 8918.53   676.7 9084.94   698.7 9400.45  697.97 9415.61  696.46 9601.49  678.35
 9750.79  678.3310024.49  697.81 10212.6  697.7810409.66   678.210610.09  672.93
10765.34  668.4110783.89  667.9310880.43  648.3911061.57  619.0811123.28  619.08
11168.51  627.9911304.99  655.5611420.87  678.3911838.37  670.0812008.66  666.46
12068.75  665.0312297.88  660.4712569.59  655.5212892.89  649.0813576.65  639.31
15151.37  639.3115410.54  639.08 16076.8  639.0816589.38  648.8516654.07  658.62
16970.63  651.5716978.14  651.1817092.99   648.617802.62  609.4118406.76  599.54
18545.61  589.73 19034.5  589.5919160.63  579.7919359.12  567.1319932.48  567.13
20122.51   570.120304.71  599.5420387.29  608.2820404.98  610.0720626.95  614.35
21036.68  620.8121441.96  619.2523408.04  611.1523515.33  611.1523729.02  612.58
24054.85  614.5424973.25  620.6925212.89  630.4626773.08  640.23 27129.1  644.87
 27523.1  650.0828128.72  669.7328337.26  669.7729374.88  669.7729966.39  669.54
30221.34  669.5430755.78  659.7730977.08   654.1 31136.8  650.0431267.15   640.3
31405.53  640.3331679.26  650.1631978.79  652.6533001.15  661.6233619.59  666.62
34520.78  675.5334653.62   676.635228.08  679.8735260.39  680.1336744.11  693.98
37715.47  701.6537899.31  708.5638226.94  721.4238265.53  722.8838550.96  733.44
38859.74  745.3539006.94  750.9239727.88     79040375.77  796.49 40702.5     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518406.76     .1520304.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18406.7620304.71                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502155.00   343615.70   1935042.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1502155.00   343615.70   1935042.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2413020.00   888216.30   3428764.00
  Top Width (ft)          37707.55    Top Width (ft)          16946.01    1897.95   18863.59
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.61       2.58       1.77
  Max Chl Dpth (ft)         192.54    Hydr. Depth (ft)           88.64     181.05     102.58
  Conv. Total (cfs)       824383400.0    Conv. (cfs)            295580000.0   108801000.0   420002400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16967.97    1901.47   18867.06
  Min Ch El (ft)            567.13    Shear (lb/sq ft)            0.37       0.75       0.43
  Alpha                       1.08    Stream Power (lb/ft s)      0.59       1.94       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21443.18    3314.41   23433.17
  C & E Loss (ft)             0.00    Cum SA (acres)             44.85       5.06      49.75


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274033.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  212.04   790.1  689.87  770.27 1453.41  760.06 1645.54  750.17
 1952.39  743.84 2132.34  740.22 2508.63  740.22 2867.84  737.57 3832.63  729.63
 3909.78  725.25 4007.83  719.78 4019.99   719.5 4236.64   714.7 4429.92  710.22
 4583.54   705.5 4748.48  700.37 5151.65  690.42 5643.01  685.48  6008.7  681.96
 6166.05  680.41 6337.28   670.6 6410.94   660.8 6801.17  660.73 7177.12  667.63
 7328.78  670.44 7565.71  650.88  7744.9   641.1 7821.55  631.32 7874.31  631.32
 8036.22  638.15 8270.41  648.24 8338.21  651.01 8477.58   660.6  8868.8  669.85
 8920.37  676.72 9086.81  698.75 9402.38  698.05 9417.55  696.54 9603.47  678.43
 9752.79   678.410026.55  697.91 10214.7  697.8710411.81  678.2810612.27     673
10767.56   668.510786.11  668.0210882.67  648.4611063.85  619.1211125.57  619.12
11170.81  628.0411307.32  655.6111423.22  678.4611840.81  670.1412011.13  666.52
12071.24  665.1112300.42  660.5412572.18  655.5612895.55  649.1213579.45  639.34
15154.49  639.3415413.72  639.1216080.12  639.1216592.79   648.9 16657.5  658.68
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16974.13  651.6316981.64  651.2417096.51  648.6617806.29  609.4318410.55  599.56
18549.54  589.7419038.91  589.6119165.17  579.7919363.85  567.1219937.46  567.12
20127.67  570.0920310.03  599.56 20392.6  608.2720410.28  610.0620632.22  614.32
21041.91  620.7721447.14  619.21   23413   611.123520.27   611.123733.94  612.53
24059.73   614.524978.02  620.6625217.63  630.4426777.64  640.2227133.62  644.86
27527.57  650.0728133.13  669.7428341.64  669.7829379.14  669.7829970.58  669.56
 30225.5  669.5630759.88  659.7830981.15   654.131140.86  650.0431271.19  640.28
31409.54  640.3131683.25  650.1531982.75  652.6533004.99  661.5933623.36   666.6
34524.43  675.4434657.26  676.5235231.66  679.8535263.96  680.1136747.51  693.89
37718.76  701.5837902.57   708.538230.16  721.3538268.75  722.8138554.15   733.4
38862.89  745.3139010.07  750.8839730.93     79040378.74   796.540705.43     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518410.55     .1520310.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18410.5520310.03                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502119.00   343885.00   1935362.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1502119.00   343885.00   1935362.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2412090.00   888715.00   3429196.00
  Top Width (ft)          37710.94    Top Width (ft)          16949.50    1899.48   18861.96
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.61       2.58       1.77
  Max Chl Dpth (ft)         192.55    Hydr. Depth (ft)           88.62     181.04     102.61
  Conv. Total (cfs)       824554800.0    Conv. (cfs)            295527500.0   108884700.0   420142600.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16971.49    1903.00   18865.42
  Min Ch El (ft)            567.12    Shear (lb/sq ft)            0.37       0.75       0.43
  Alpha                       1.08    Stream Power (lb/ft s)      0.59       1.94       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21270.75    3274.95   23211.04
  C & E Loss (ft)             0.00    Cum SA (acres)             42.90       4.84      47.59


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274030.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  212.08   790.1  690.02  770.26 1453.71  760.06 1645.88  750.17
 1952.79  743.83 2132.77  740.21 2509.15  740.21 2868.43  737.55 3833.42  729.64
 3910.59  725.27 4008.66  719.79 4020.82  719.51 4237.52  714.69 4430.83  710.21
 4584.48  705.49 4749.46  700.35 5152.71   690.4 5644.18  685.47 6009.93  681.94
 6167.32  680.39 6338.58  670.57 6412.26  660.77 6802.57   660.7  7178.6  667.61
 7330.29  670.42 7567.27  650.84 7746.49  641.05 7823.16  631.26 7875.93  631.26
 8037.88  638.09 8272.11  648.19 8339.92  650.96 8479.32  660.57 8870.63  669.86
 8922.21  676.74 9088.69  698.81 9404.32  698.14 9419.49  696.63 9605.45   678.5
  9754.8  678.4710028.62     69810216.81  697.9710413.95  678.3610614.46  673.08
10769.78   668.610788.33  668.1110884.92  648.5311066.13  619.1611127.87  619.16
11173.12  628.0911309.65  655.6611425.58  678.5311843.25   670.2 12013.6  666.59
12073.73  665.1812302.95  660.6112574.77  655.6112898.21  649.1613582.25  639.37
15157.61  639.37 15416.9  639.1616083.43  639.1616596.21  648.9516660.93  658.74
16977.62  651.6816985.14   651.317100.03  648.7217809.96  609.4618414.35  599.58
18553.47  589.7519043.32  589.6319169.71   579.819368.59  567.1219942.44  567.12
20132.82  570.0920315.34  599.58 20397.9  608.2720415.59  610.06 20637.5  614.28
21047.14  620.7421452.33  619.1723417.95  611.0523525.22  611.0523738.86  612.48
24064.61  614.4624982.79  620.6325222.38  630.4226782.21  640.2127138.14  644.86
27532.04  650.0728137.53  669.7528346.02  669.7929383.39  669.7929974.77  669.58
30229.66  669.5830763.97  659.7930985.22   654.131144.91  650.0331275.23  640.27
31413.57   640.331687.24  650.15 31986.7  652.6433008.82  661.5633627.12  666.57
34528.09  675.35 34660.9  676.4335235.23  679.8335267.54  680.0936750.91   693.8
37722.04   701.537905.84  708.4438233.38  721.2838271.97  722.7438557.34  733.35
38866.04  745.2639013.21  750.8439733.98     79040381.71  796.5140708.36     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518414.35     .1520315.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18414.3520315.34                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502080.00   344140.20   1935698.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1502080.00   344140.20   1935698.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2411158.00   889161.10   3429681.00
  Top Width (ft)          37714.31    Top Width (ft)          16952.99    1900.99   18860.33
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.61       2.58       1.77
  Max Chl Dpth (ft)         192.55    Hydr. Depth (ft)           88.60     181.03     102.63
  Conv. Total (cfs)       824723400.0    Conv. (cfs)            295473700.0   108961700.0   420288000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16975.02    1904.51   18863.79
  Min Ch El (ft)            567.12    Shear (lb/sq ft)            0.37       0.75       0.43
  Alpha                       1.08    Stream Power (lb/ft s)      0.59       1.94       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21098.34    3235.47   22988.87
  C & E Loss (ft)             0.00    Cum SA (acres)             40.95       4.62      45.42


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274027.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  212.13  790.09  690.16  770.25 1454.01  760.06 1646.22  750.16
 1953.19  743.82 2133.21   740.2 2509.66   740.2 2869.03  737.54 3834.21  729.66
  3911.4  725.28 4009.49   719.8 4021.65  719.52 4238.39  714.69 4431.75   710.2
 4585.43  705.47 4750.43  700.34 5153.77  690.39 5645.34  685.45 6011.17  681.92
 6168.59  680.37 6339.89  670.54 6413.58  660.73 6803.98  660.66 7180.08  667.58
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  7331.8   670.4 7568.83   650.8 7748.09     641 7824.77   631.2 7877.55   631.2
 8039.54  638.04 8273.82  648.14 8341.64  650.92 8481.07  660.54 8872.46  669.86
 8924.05  676.75 9090.56  698.87 9406.26  698.23 9421.43  696.72 9607.43  678.57
 9756.81  678.5410030.69   698.110218.91  698.07 10416.1  678.4310616.65  673.15
   10772  668.6910790.56   668.210887.16   648.611068.41   619.211130.16   619.2
11175.42  628.1411311.98   655.711427.93   678.611845.69  670.2612016.08  666.66
12076.22  665.2612305.49  660.6812577.36  655.6612900.86   649.213585.05   639.4
15160.73   639.415420.07   639.216086.74   639.216599.63     64916664.36   658.8
16981.12  651.7316988.64  651.3617103.55  648.7817813.63  609.4818418.14   599.6
 18557.4  589.7719047.73  589.6419174.24  579.8119373.32  567.1219947.42  567.12
20137.97  570.0820320.66   599.620403.21  608.2720420.89  610.0620642.78  614.24
21052.37   620.721457.51  619.1323422.91     61123530.16     61123743.78  612.44
24069.49  614.4324987.56   620.625227.12   630.426786.77   640.227142.66  644.85
27536.52  650.0728141.93  669.77 28350.4   669.829387.65   669.829978.96   669.6
30233.82   669.630768.07   659.830989.29  654.1131148.96  650.0331279.26  640.26
31417.59  640.2931691.23  650.1431990.66  652.6333012.66  661.5333630.88  666.55
34531.75  675.2734664.54  676.34 35238.8  679.8135271.11  680.07 36754.3  693.71
37725.32  701.43 37909.1  708.3838236.61  721.2138275.19  722.6738560.52   733.3
38869.19  745.2139016.34   750.839737.02     79040384.69  796.51 40711.3     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518418.14     .1520320.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18418.1420320.66                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1502045.00   344400.40   1936006.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1502045.00   344400.40   1936006.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2410255.00   889629.40   3430116.00
  Top Width (ft)          37717.69    Top Width (ft)          16956.48    1902.52   18858.68
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.60       2.58       1.77
  Max Chl Dpth (ft)         192.55    Hydr. Depth (ft)           88.58     181.02     102.66
  Conv. Total (cfs)       824886200.0    Conv. (cfs)            295421400.0   109040600.0   420424200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16978.55    1906.04   18862.15
  Min Ch El (ft)            567.12    Shear (lb/sq ft)            0.37       0.75       0.43
  Alpha                       1.08    Stream Power (lb/ft s)      0.59       1.94       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20925.92    3195.95   22766.66
  C & E Loss (ft)             0.00    Cum SA (acres)             39.01       4.40      43.26


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274024.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  212.17  790.09   690.3  770.23 1454.31  760.05 1646.56  750.15
 1953.59  743.82 2133.65  740.19 2510.18  740.19 2869.62  737.53    3835  729.68
  3912.2   725.3 4010.31  719.81 4022.47  719.53 4239.26  714.68 4432.66  710.19
 4586.37  705.46 4751.41  700.32 5154.83  690.37  5646.5  685.44 6012.41   681.9
 6169.86  680.35 6341.19  670.52  6414.9  660.69 6805.38  660.63 7181.56  667.56
 7333.31  670.38 7570.38  650.76 7749.68  640.95 7826.38  631.14 7879.18  631.14
 8041.19  637.99 8275.52  648.08 8343.36  650.87 8482.82  660.52 8874.28  669.87
 8925.88  676.77 9092.43  698.92  9408.2  698.32 9423.37  696.81 9609.41  678.64
 9758.82  678.6210032.75  698.1910221.02  698.1610418.24  678.5110618.83  673.23
10774.22  668.7810792.78  668.29 10889.4  648.6711070.69  619.2411132.45  619.24
11177.72  628.1911314.31  655.7511430.28  678.6711848.13  670.3212018.55  666.73
 12078.7  665.3412308.02  660.7612579.95   655.712903.52  649.2413587.84  639.43
15163.85  639.4315423.25  639.2416090.06  639.2416603.05  649.0516667.79  658.86
16984.62  651.7816992.14  651.4317107.08  648.84 17817.3  609.5118421.93  599.62
18561.33  589.7819052.15  589.6619178.78  579.8219378.05  567.12 19952.4  567.12
20143.12  570.0820325.98  599.6220408.52  608.27 20426.2  610.0620648.06  614.21
 21057.6  620.67 21462.7  619.0823427.86  610.95 23535.1  610.9523748.69  612.39
24074.37  614.3924992.34  620.5725231.87  630.3826791.33  640.1927147.18  644.85
27540.99  650.0628146.34  669.7828354.78  669.8129391.91  669.8129983.15  669.62
30237.98  669.6230772.17  659.8130993.37  654.1131153.01  650.03 31283.3  640.24
31421.61  640.2731695.21  650.1331994.61  652.6233016.49   661.533634.64  666.53
34535.41  675.1834668.18  676.2635242.38  679.7935274.68  680.05 36757.7  693.63
37728.61  701.3637912.36  708.3138239.83  721.1438278.41   722.638563.71  733.25
38872.34  745.1739019.47  750.7639740.07     79040387.66  796.5240714.23     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518421.93     .1520325.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18421.9320325.98                5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501993.00   344659.00   1936329.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1501993.00   344659.00   1936329.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2409300.00   890094.10   3430606.00
  Top Width (ft)          37721.25    Top Width (ft)          16960.16    1904.05   18857.04
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.60       2.58       1.77
  Max Chl Dpth (ft)         192.55    Hydr. Depth (ft)           88.56     181.01     102.68
  Conv. Total (cfs)       825045100.0    Conv. (cfs)            295361200.0   109118500.0   420565300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16982.25    1907.58   18860.51
  Min Ch El (ft)            567.12    Shear (lb/sq ft)            0.37       0.75       0.43
  Alpha                       1.08    Stream Power (lb/ft s)      0.59       1.94       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20753.52    3156.40   22544.42
  C & E Loss (ft)             0.00    Cum SA (acres)             37.06       4.18      41.09


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274021.*

INPUT
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Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  212.21  790.08  690.44  770.22 1454.61  760.05  1646.9  750.14
    1954  743.81 2134.09  740.18  2510.7  740.18 2870.21  737.52 3835.79  729.69
 3913.01  725.32 4011.14  719.82  4023.3  719.54 4240.14  714.68 4433.57  710.18
 4587.32  705.44 4752.39   700.3  5155.9  690.35 5647.66  685.42 6013.65  681.88
 6171.13  680.34  6342.5  670.49 6416.23  660.66 6806.78   660.6 7183.04  667.54
 7334.82  670.36 7571.94  650.72 7751.28   640.9 7827.99  631.08  7880.8  631.08
 8042.85  637.93 8277.23  648.03 8345.08  650.82 8484.56  660.49 8876.11  669.88
 8927.72  676.79  9094.3  698.98 9410.13  698.41 9425.31   696.9 9611.39  678.71
 9760.83  678.6910034.82  698.2910223.12  698.2610420.39  678.5910621.02   673.3
10776.44  668.87   10795  668.3810891.64  648.7411072.97  619.2811134.74  619.28
11180.02  628.2411316.64   655.811432.64  678.7411850.57  670.3812021.03   666.8
12081.19  665.4112310.56  660.8312582.54  655.7512906.18  649.2813590.64  639.46
15166.98  639.4615426.42  639.2816093.37  639.2816606.47   649.116671.23  658.92
16988.12  651.8416995.64  651.49 17110.6  648.9117820.97  609.5418425.73  599.64
18565.26  589.7919056.56  589.6819183.32  579.8319382.79  567.1219957.38  567.12
20148.27  570.0820331.29  599.6420413.82  608.27 20431.5  610.0520653.34  614.17
21062.83  620.6321467.88  619.0423432.82   610.923540.04   610.923753.61  612.34
24079.25  614.3524997.11  620.5425236.61  630.3626795.89  640.18 27151.7  644.84
27545.47  650.0628150.74  669.7928359.16  669.8229396.17  669.8229987.34  669.64
30242.14  669.6430776.26  659.8230997.44  654.1231157.06  650.0331287.34  640.23
31425.63  640.26 31699.2  650.1331998.56  652.6233020.32  661.47 33638.4   666.5
34539.06  675.0934671.83  676.1735245.95  679.7735278.25  680.03 36761.1  693.54
37731.89  701.2937915.62  708.2538243.05  721.0738281.63  722.53 38566.9   733.2
38875.49  745.1239022.61  750.7239743.12     79040390.64  796.5340717.17     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518425.73     .1520331.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18425.7320331.29                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501946.00   344913.50   1936657.00
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            1501946.00   344913.50   1936657.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2408363.00   890543.60   3431093.00
  Top Width (ft)          37724.63    Top Width (ft)          16963.66    1905.56   18855.41
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.60       2.58       1.77
  Max Chl Dpth (ft)         192.55    Hydr. Depth (ft)           88.54     181.00     102.71
  Conv. Total (cfs)       825208300.0    Conv. (cfs)             295304800.0   109195200.0   420708300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16985.79    1909.09   18858.88
  Min Ch El (ft)            567.12    Shear (lb/sq ft)            0.37       0.75       0.43
  Alpha                       1.08    Stream Power (lb/ft s)      0.59       1.94       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20581.11    3116.83   22322.14
  C & E Loss (ft)             0.00    Cum SA (acres)             35.11       3.97      38.93


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274018.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  212.26  790.08  690.58  770.21 1454.91  760.05 1647.24  750.13
  1954.4   743.8 2134.53  740.17 2511.21  740.17  2870.8   737.5 3836.58  729.71
 3913.81  725.33 4011.96  719.83 4024.13  719.55 4241.01  714.67 4434.48  710.17
 4588.26  705.43 4753.37  700.29 5156.96  690.33 5648.83  685.41 6014.89  681.86
  6172.4  680.32  6343.8  670.46 6417.55  660.62 6808.18  660.56 7184.52  667.51
 7336.33  670.34  7573.5  650.68 7752.87  640.85 7829.61  631.02 7882.42  631.02
  8044.5  637.88 8278.93  647.98  8346.8  650.78 8486.31  660.46 8877.94  669.88
 8929.56  676.81 9096.17  699.04 9412.07   698.5 9427.25  696.99 9613.37  678.78
 9762.84  678.7610036.88  698.3810225.22  698.3610422.53  678.6710623.21  673.38
10778.66  668.9610797.22  668.4710893.88  648.8111075.25  619.3211137.03  619.32
11182.32  628.2811318.97  655.8411434.99  678.8111853.01  670.45 12023.5  666.86
12083.68  665.4912313.09   660.912585.13   655.812908.83  649.3213593.44  639.49
 15170.1  639.49 15429.6  639.3216096.68  639.3216609.88  649.1516674.66  658.98
16991.61  651.8916999.13  651.5517114.12  648.9717824.63  609.5618429.52  599.66
18569.19   589.819060.97   589.719187.86  579.8419387.52  567.1219962.36  567.12
20153.42  570.0720336.61  599.6620419.13  608.2720436.81  610.0520658.62  614.13
21068.06   620.621473.06    61923437.77  610.8523544.98  610.8523758.53  612.29
24084.12  614.3225001.88  620.5125241.36  630.3426800.45  640.1727156.22  644.84
27549.94  650.0628155.14   669.828363.54  669.8329400.43  669.8329991.53  669.66
 30246.3  669.6630780.36  659.8331001.51  654.1231161.12  650.0331291.37  640.22
31429.65  640.2431703.19  650.1232002.52  652.6133024.16  661.4433642.16  666.48
34542.72  675.0134675.47  676.0935249.53  679.7535281.82  680.01 36764.5  693.45
37735.18  701.2237918.89  708.1938246.28  720.9938284.85  722.4638570.08  733.16
38878.64  745.0839025.74  750.6839746.17     79040393.61  796.5340720.11     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518429.52     .1520336.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18429.5220336.61                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501915.00   345173.90   1936962.00
  E.G. Slope (ft/ft)      0.000066    Area (sq ft)            1501915.00   345173.90   1936962.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2407472.00   891011.40   3431516.00
  Top Width (ft)          37728.00    Top Width (ft)          16967.15    1907.09   18853.76
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.60       2.58       1.77
  Max Chl Dpth (ft)         192.55    Hydr. Depth (ft)           88.52     181.00     102.74
  Conv. Total (cfs)       825370900.0    Conv. (cfs)             295253700.0   109274100.0   420843100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16989.31    1910.62   18857.24
  Min Ch El (ft)            567.12    Shear (lb/sq ft)            0.37       0.75       0.43
  Alpha                       1.08    Stream Power (lb/ft s)      0.59       1.94       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20408.71    3077.22   22099.83
  C & E Loss (ft)             0.00    Cum SA (acres)             33.17       3.75      36.76
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CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274015.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800   212.3  790.07  690.73   770.2 1455.21  760.04 1647.58  750.13
  1954.8   743.8 2134.97  740.16 2511.73  740.16 2871.39  737.49 3837.37  729.73
 3914.62  725.35 4012.79  719.84 4024.96  719.56 4241.88  714.67  4435.4  710.16
 4589.21  705.41 4754.35  700.27 5158.02  690.31 5649.99  685.39 6016.12  681.85
 6173.67   680.3 6345.11  670.43 6418.87  660.58 6809.58  660.53 7185.99  667.49
 7337.84  670.32 7575.06  650.64 7754.47   640.8 7831.22  630.96 7884.04  630.96
 8046.16  637.83 8280.63  647.92 8348.51  650.73 8488.05  660.44 8879.77  669.89
  8931.4  676.82 9098.05  699.09 9414.01  698.58 9429.19  697.08 9615.34  678.86
 9764.85  678.8410038.95  698.4810227.33  698.4510424.68  678.7510625.39  673.45
10780.87  669.0510799.45  668.5610896.13  648.8811077.53  619.3611139.33  619.36
11184.62  628.33 11321.3  655.8911437.34  678.8811855.45  670.5112025.98  666.93
12086.16  665.5712315.62  660.9712587.72  655.8412911.49  649.3613596.24  639.52
15173.22  639.5215432.77  639.3616099.99  639.36 16613.3   649.216678.09  659.04
16995.11  651.9417002.63  651.6117117.64  649.03 17828.3  609.5918433.31  599.68
18573.12  589.8119065.39  589.7219192.39  579.8519392.26  567.1219967.34  567.12
20158.57  570.0720341.93  599.6820424.44  608.2620442.12  610.05 20663.9   614.1
21073.29  620.5621478.25  618.9623442.73   610.823549.93   610.823763.44  612.24
   24089  614.2825006.65  620.48 25246.1  630.3226805.01  640.1627160.74  644.83
27554.42  650.0528159.55  669.8128367.91  669.8429404.68  669.8429995.71  669.68
30250.46  669.6830784.46  659.8431005.58  654.1231165.17  650.0331295.41  640.21
31433.67  640.2331707.18  650.1132006.47   652.6   33028  661.4133645.93  666.46
34546.38  674.9234679.11     676 35253.1  679.7335285.39  679.9936767.89  693.36
37738.46  701.1537922.15  708.12 38249.5  720.9238288.07   722.438573.27  733.11
38881.79  745.0339028.87  750.6439749.22     79040396.58  796.5440723.04     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518433.31     .1520341.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18433.3120341.93                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501865.00   345432.10   1937293.00
  E.G. Slope (ft/ft)      0.000066    Area (sq ft)            1501865.00   345432.10   1937293.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2406514.00   891469.70   3432017.00
  Top Width (ft)          37731.55    Top Width (ft)          16970.82    1908.62   18852.11
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.60       2.58       1.77
  Max Chl Dpth (ft)         192.55    Hydr. Depth (ft)           88.50     180.99     102.76
  Conv. Total (cfs)       825534300.0    Conv. (cfs)             295194600.0   109352000.0   420987700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        16993.02    1912.15   18855.59
  Min Ch El (ft)            567.12    Shear (lb/sq ft)            0.37       0.75       0.43
  Alpha                       1.08    Stream Power (lb/ft s)      0.59       1.93       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20236.32    3037.59   21877.47
  C & E Loss (ft)             0.00    Cum SA (acres)             31.22       3.53      34.60


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274012.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  212.34  790.07  690.87  770.18 1455.51  760.04 1647.91  750.12
  1955.2  743.79 2135.41  740.15 2512.25  740.15 2871.98  737.48 3838.16  729.74
 3915.42  725.36 4013.61  719.85 4025.79  719.57 4242.75  714.66 4436.31  710.15
 4590.15   705.4 4755.33  700.25 5159.08  690.29 5651.15  685.38 6017.36  681.83
 6174.94  680.28 6346.42  670.41 6420.19  660.55 6810.98   660.5 7187.47  667.47
 7339.35   670.3 7576.62   650.6 7756.07  640.75 7832.83   630.9 7885.67   630.9
 8047.81  637.78 8282.34  647.87 8350.23  650.69  8489.8  660.41 8881.59   669.9
 8933.24  676.84 9099.92  699.15 9415.94  698.67 9431.13  697.16 9617.32  678.93
 9766.86  678.9110041.01  698.5710229.43  698.5510426.82  678.8310627.58  673.52
10783.09  669.1410801.67  668.6510898.37  648.9511079.81   619.411141.62   619.4
11186.92  628.3811323.63  655.94 11439.7  678.9511857.89  670.5712028.45     667
12088.65  665.6412318.16  661.0412590.31  655.8912914.15   649.413599.04  639.55
15176.34  639.5515435.95   639.416103.31   639.416616.72  649.2516681.52   659.1
16998.61     65217006.13  651.6817121.17  649.0917831.97  609.6118437.11   599.7
18577.05  589.82 19069.8  589.7319196.93  579.8619396.99  567.1219972.31  567.12
20163.73  570.0620347.24   599.720429.75  608.2620447.42  610.0420669.18  614.06
21078.53  620.5321483.43  618.9223447.68  610.7523554.87  610.7523768.36  612.19
24093.88  614.2525011.42  620.4525250.84   630.326809.58  640.1527165.26  644.83
27558.89  650.0528163.95  669.8228372.29  669.8529408.94  669.85 29999.9   669.7
30254.62   669.730788.55  659.8531009.65  654.1331169.22  650.0231299.45  640.19
31437.69  640.2131711.17  650.1132010.42  652.5933031.83  661.3933649.69  666.43
34550.04  674.8334682.75  675.9235256.68  679.7135288.96  679.9736771.29  693.27
37741.74  701.0737925.41  708.0638252.73  720.8538291.29  722.3338576.46  733.06
38884.94  744.99   39032   750.639752.27     79040399.55  796.5540725.98     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518437.11     .1520347.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18437.1120347.24                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.66    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501825.00   345692.40   1937610.00
  E.G. Slope (ft/ft)      0.000066    Area (sq ft)            1501825.00   345692.40   1937610.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2405594.00   891940.60   3432466.00
  Top Width (ft)          37734.92    Top Width (ft)          16974.32    1910.13   18850.47
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.60       2.58       1.77
```

```
  Max Chl Dpth (ft)          192.54    Hydr. Depth (ft)           88.48     180.98     102.79
  Conv. Total (cfs)        825698800.0    Conv. (cfs)            295140500.0   109431500.0   421126800.0
  Length Wtd. (ft)             5.00    Wetted Per. (ft)        16996.55    1913.67   18853.95
  Min Ch El (ft)             567.12    Shear (lb/sq ft)            0.37       0.75       0.43
  Alpha                        1.08    Stream Power (lb/ft s)      0.59       1.93       0.76
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    20063.93    2997.92   21655.09
  C & E Loss (ft)              0.00    Cum SA (acres)             29.27       3.31      32.43


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274009.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  212.39  790.06  691.01  770.17 1455.81  760.04 1648.25  750.11
 1955.61  743.78 2135.85  740.14 2512.76  740.14 2872.57  737.46 3838.95  729.76
 3916.23  725.38 4014.44  719.86 4026.62  719.58 4243.63  714.65 4437.22  710.14
  4591.1  705.39  4756.3  700.24 5160.14  690.27 5652.31  685.36  6018.6  681.81
 6176.22  680.26 6347.72  670.38 6421.51  660.51 6812.38  660.47 7188.95  667.45
 7340.86  670.28 7578.18  650.56 7757.66   640.7 7834.44  630.84 7887.29  630.84
 8049.47  637.72 8284.04  647.82 8351.95  650.64 8491.55  660.38 8883.42   669.9
 8935.07  676.86 9101.79  699.21 9417.88  698.76 9433.07  697.25  9619.3     679
 9768.87  678.9810043.08  698.6710231.54  698.6510428.97   678.910629.76   673.6
10785.31  669.2310803.89  668.7410900.61  649.0211082.09  619.4411143.91  619.44
11189.23  628.4311325.96  655.9811442.05  679.0211860.33  670.6312030.93  667.07
12091.14  665.7212320.69  661.12 12592.9  655.94 12916.8  649.4413601.83  639.58
15179.46  639.5815439.12  639.4416106.62  639.4416620.14   649.316684.96  659.16
 17002.1  652.0517009.63  651.7417124.69  649.1517835.64  609.64 18440.9  599.72
18580.98  589.8419074.21  589.7519201.47  579.8719401.72  567.1219977.29  567.12
20168.88  570.0620352.56  599.7220435.05  608.2620452.73  610.0420674.46  614.02
21083.76  620.4921488.62  618.8723452.63   610.723559.81   610.723773.28  612.15
24098.76  614.21 25016.2  620.4225255.59  630.2826814.14  640.1427169.78  644.82
27563.36  650.0528168.35  669.8428376.67  669.86 29413.2  669.8630004.09  669.72
30258.78  669.7230792.65  659.8631013.72  654.1331173.27  650.0231303.48  640.18
31441.71   640.231715.16   650.132014.38  652.5933035.66  661.3633653.45  666.41
34553.69  674.7534686.39  675.8335260.25  679.6835292.53  679.9536774.69  693.19
37745.03     70137928.68     70838255.95  720.7838294.51  722.2638579.64  733.01
38888.09  744.9439035.14  750.5639755.32     79040402.53  796.5540728.91     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 18440.9     .1520352.56     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       18440.920352.56                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.72    Element                    Left OB    Channel   Right OB
  Vel Head (ft)                0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)             759.66    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                       Flow Area (sq ft)        1501785.00   345947.30   1937922.00
  E.G. Slope (ft/ft)       0.000066    Area (sq ft)             1501785.00   345947.30   1937922.00
  Q Total (cfs)            6730000.00    Flow (cfs)              2404688.00   892388.60   3432924.00
  Top Width (ft)           37738.30    Top Width (ft)           16977.81    1911.66   18848.83
  Vel Total (ft/s)             1.78    Avg. Vel. (ft/s)            1.60       2.58       1.77
  Max Chl Dpth (ft)          192.54    Hydr. Depth (ft)           88.46     180.97     102.81
  Conv. Total (cfs)        825858700.0    Conv. (cfs)            295086500.0   109507700.0   421264400.0
  Length Wtd. (ft)             5.00    Wetted Per. (ft)        17000.08    1915.20   18852.31
  Min Ch El (ft)             567.12    Shear (lb/sq ft)            0.37       0.75       0.43
  Alpha                        1.08    Stream Power (lb/ft s)      0.59       1.93       0.75
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    19891.55    2958.23   21432.66
  C & E Loss (ft)              0.00    Cum SA (acres)             27.32       3.09      30.27


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274006.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  212.43  790.06  691.15  770.16 1456.11  760.04 1648.59   750.1
 1956.01  743.78 2136.29  740.13 2513.28  740.13 2873.16  737.45 3839.74  729.78
 3917.03  725.39 4015.27  719.87 4027.44  719.59  4244.5  714.65 4438.14  710.13
 4592.04  705.37 4757.28  700.22  5161.2  690.25 5653.48  685.35 6019.84  681.79
 6177.49  680.24 6349.03  670.35 6422.83  660.48 6813.78  660.43 7190.43  667.42
 7342.37  670.26 7579.74  650.52 7759.26  640.65 7836.05  630.78 7888.91  630.78
 8051.12  637.67 8285.75  647.77 8353.67   650.6 8493.29  660.35 8885.25  669.91
 8936.91  676.87 9103.66  699.26 9419.82  698.85 9435.01  697.34 9621.28  679.07
 9770.88  679.0510045.15  698.7610233.64  698.7410431.11  678.9810631.95  673.67
10787.53  669.3210806.11  668.8310902.85  649.0911084.37  619.48 11146.2  619.48
11191.53  628.4811328.29  656.0311444.41  679.0911862.77  670.69 12033.4  667.14
12093.62   665.812323.23  661.1912595.49  655.9812919.46  649.4813604.63  639.61
15182.59  639.61 15442.3  639.4816109.93  639.4816623.56  649.3516688.39  659.22
 17005.6   652.117013.13   651.817128.21  649.2117839.31  609.6618444.69  599.74
18584.91  589.8519078.63  589.7719206.01  579.8819406.46  567.1119982.27  567.11
20174.03  570.0520357.88  599.7420440.36  608.2620458.03  610.0420679.74  613.99
21088.99  620.46 21493.8  618.8323457.59  610.6523564.75  610.65 23778.2   612.1
24103.64  614.1725020.97  620.3925260.33  630.26 26818.7  640.13 27174.3  644.82
27567.84  650.0428172.76  669.8528381.05  669.8729417.46  669.8730008.28  669.74
30262.93  669.7430796.74  659.8731017.79  654.1431177.32  650.0231307.52  640.17
31445.73  640.1931719.15  650.0932018.33  652.58 33039.5  661.3333657.21  666.38
34557.35  674.6634690.04  675.7535263.82  679.66 35296.1  679.9336778.09   693.1
37748.31  700.9337931.94  707.9338259.18  720.7138297.73  722.1938582.83  732.97
38891.24   744.939038.27  750.5239758.37     790 40405.5  796.5640731.84     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518444.69     .1520357.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18444.6920357.88                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
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  E.G. Elev (ft)            759.72    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.66    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501751.00   346215.30   1938244.00
  E.G. Slope (ft/ft)      0.000066    Area (sq ft)            1501751.00   346215.30   1938244.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2403765.00   892877.10   3433358.00
  Top Width (ft)          37741.66    Top Width (ft)          16981.30    1913.19   18847.17
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)           1.60       2.58       1.77
  Max Chl Dpth (ft)         192.55    Hydr. Depth (ft)          88.44     180.96     102.84
  Conv. Total (cfs)       826031100.0    Conv. (cfs)            295034800.0   109590500.0   421405700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        17003.60    1916.73   18850.65
  Min Ch El (ft)            567.11    Shear (lb/sq ft)           0.37       0.75       0.43
  Alpha                       1.08    Stream Power (lb/ft s)     0.59       1.93       0.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19719.17    2918.50   21210.20
  C & E Loss (ft)             0.00    Cum SA (acres)             25.37       2.87      28.11


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274004.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  212.48  790.05  691.29  770.15 1456.41  760.03 1648.93  750.09
 1956.41  743.77 2136.73  740.12  2513.8  740.12 2873.75  737.44 3840.52   729.8
 3917.84  725.41 4016.09  719.88 4028.27   719.6 4245.37  714.64 4439.05  710.12
 4592.98  705.36 4758.26   700.2 5162.26  690.23 5654.64  685.33 6021.08  681.77
 6178.76  680.22 6350.33  670.33 6424.15  660.44 6815.19   660.4 7191.91   667.4
 7343.88  670.24  7581.3  650.48 7760.85   640.6 7837.66  630.72 7890.53  630.72
 8052.78  637.62 8287.45  647.71 8355.39  650.55 8495.04  660.33 8887.07  669.92
 8938.75  676.89 9105.54  699.32 9421.75  698.94 9436.95  697.43 9623.26  679.14
 9772.89  679.1310047.21  698.8610235.75  698.8410433.26  679.0610634.14  673.75
10789.75  669.4110808.33  668.9210905.09  649.1611086.65  619.5211148.49  619.52
11193.83  628.5311330.61  656.0811446.76  679.1611865.21  670.7512035.88   667.2
12096.11  665.8712325.76  661.2612598.08  656.0312922.12  649.5213607.43  639.64
15185.71  639.6415445.48  639.5216113.25  639.5216626.98   649.416691.82  659.28
 17009.1  652.1517016.63  651.8717131.73  649.2717842.98  609.6918448.48  599.76
18588.84  589.8619083.04  589.7919210.54  579.8919411.19  567.1119987.25  567.11
20179.18  570.05 20363.2  599.7620445.67  608.2620463.34  610.0420685.02  613.95
21094.22  620.4221498.98  618.7923462.54   610.6 23569.7   610.623783.11  612.05
24108.52  614.1425025.74  620.3625265.07  630.2426823.26  640.1227178.82  644.81
27572.31  650.0428177.16  669.8628385.43  669.8829421.71  669.8830012.47  669.76
30267.09  669.7630800.84  659.8831021.86  654.1431181.38  650.0231311.56  640.15
31449.75  640.1731723.13  650.0832022.29  652.5733043.33   661.333660.98  666.36
   34561  674.5734693.68  675.66 35267.4  679.6435299.67  679.9136781.48  693.01
37751.59  700.86 37935.2  707.87 38262.4  720.6438300.95  722.1238586.02  732.92
38894.39  744.85 39041.4  750.4839761.41     79040408.47  796.5740734.78     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518448.48     .15 20363.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18448.48 20363.2                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.66    Reach Len. (ft)            5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501700.00   346473.20   1938570.00
  E.G. Slope (ft/ft)      0.000066    Area (sq ft)            1501700.00   346473.20   1938570.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2402811.00   893337.00   3433852.00
  Top Width (ft)          37745.21    Top Width (ft)          16984.98    1914.72   18845.52
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)           1.60       2.58       1.77
  Max Chl Dpth (ft)         192.55    Hydr. Depth (ft)          88.41     180.95     102.87
  Conv. Total (cfs)       826191700.0    Conv. (cfs)            294975100.0   109668300.0   421548300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        17007.31    1918.26   18849.00
  Min Ch El (ft)            567.11    Shear (lb/sq ft)           0.37       0.75       0.43
  Alpha                       1.08    Stream Power (lb/ft s)     0.59       1.93       0.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19546.80    2878.75   20987.70
  C & E Loss (ft)             0.00    Cum SA (acres)             23.42       2.65      25.94


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 274001.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  212.52  790.05  691.44  770.14 1456.71  760.03 1649.27  750.09
 1956.81  743.77 2137.17  740.11 2514.31  740.11 2874.34  737.43 3841.31  729.81
 3918.65  725.42 4016.92  719.89  4029.1  719.61 4246.25  714.64 4439.96  710.11
 4593.93  705.34 4759.24  700.19 5163.33  690.21  5655.8  685.32 6022.31  681.75
 6180.03  680.21 6351.64   670.3 6425.47   660.4 6816.59  660.37 7193.39  667.38
 7345.39  670.22 7582.85  650.44 7762.45  640.55 7839.27  630.66 7892.15  630.66
 8054.44  637.56 8289.15  647.66  8357.1   650.5 8496.79   660.3  8888.9  669.92
 8940.59  676.91 9107.41  699.38 9423.69  699.03 9438.89  697.52 9625.24  679.21
  9774.9   679.210049.28  698.9510237.85  698.94 10435.4  679.1410636.32  673.82
10791.96   669.510810.56  669.0110907.34  649.2311088.93  619.5611150.79  619.56
11196.13  628.5811332.94  656.1211449.11  679.2311867.65  670.8112038.35  667.27
 12098.6  665.9512328.29  661.3312600.67  656.0812924.78  649.5613610.23  639.67
15188.83  639.6715448.65  639.5616116.56  639.56 16630.4  649.4516695.25  659.34
 17012.6  652.2117020.13  651.9317135.26  649.3317846.65  609.7218452.28  599.78
18592.77  589.8719087.46   589.819215.08   579.919415.93  567.1119992.23  567.11
20184.33  570.0520368.51  599.7820450.98  608.2620468.64  610.03 20690.3  613.92
21099.45  620.3921504.17  618.75 23467.5  610.5523574.64  610.5523788.03     612
 24113.4   614.125030.51  620.3325269.82  630.2226827.82  640.1127183.34   644.8
27576.79  650.0428181.56  669.8728389.81  669.8929425.97  669.8930016.66  669.78
30271.25  669.7830804.94  659.8931025.93  654.1531185.43  650.02 31315.6  640.14
31453.77  640.1631727.12  650.0832026.24  652.5633047.16  661.2733664.74  666.34
34564.66  674.4934697.32  675.5835270.97  679.6235303.24  679.8936784.88  692.92
37754.88  700.7937938.46  707.8138265.62  720.5738304.17  722.05 38589.2  732.87
38897.54   744.839044.54  750.4439764.46     79040411.45  796.5740737.71     800

Manning's n Values        num=       3
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     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518452.28     .1520368.51     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18452.2820368.51                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.66    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501652.00   346731.20   1938880.00
  E.G. Slope (ft/ft)      0.000066    Area (sq ft)            1501652.00   346731.20   1938880.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2401889.00   893804.50   3434307.00
  Top Width (ft)          37748.58    Top Width (ft)          16988.47    1916.23   18843.88
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.60       2.58       1.77
  Max Chl Dpth (ft)         192.55    Hydr. Depth (ft)           88.39     180.94     102.89
  Conv. Total (cfs)       826350100.0    Conv. (cfs)             294918400.0   109746700.0   421685000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        17010.85    1919.78   18847.37
  Min Ch El (ft)            567.11    Shear (lb/sq ft)            0.37       0.75       0.43
  Alpha                       1.08    Stream Power (lb/ft s)      0.58       1.93       0.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19374.43    2838.96   20765.17
  C & E Loss (ft)             0.00    Cum SA (acres)             21.47       2.43      23.78


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 273998.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  212.56  790.05  691.58  770.12 1457.01  760.03 1649.61  750.08
 1957.21  743.76 2137.61   740.1 2514.83   740.1 2874.93  737.41  3842.1  729.83
 3919.45  725.44 4017.74   719.9 4029.93  719.61 4247.12  714.63 4440.87   710.1
 4594.87  705.33 4760.22  700.17 5164.39  690.19 5656.97   685.3 6023.55  681.74
  6181.3  680.19 6352.94  670.27 6426.79  660.37 6817.99  660.33 7194.87  667.35
  7346.9   670.2 7584.41   650.4 7764.04   640.5 7840.89   630.6 7893.78   630.6
 8056.09  637.51 8290.86  647.61 8358.82  650.46 8498.53  660.27 8890.73  669.93
 8942.42  676.93 9109.28  699.43 9425.63  699.12 9440.83  697.61 9627.21  679.28
 9776.91  679.2710051.34  699.0510239.96  699.0310437.55  679.2210638.51   673.9
10794.18  669.5910812.78   669.110909.58   649.311091.21   619.611153.08   619.6
11198.43  628.6311335.27  656.1711451.47   679.311870.09  670.8812040.82  667.34
12101.09  666.0312330.83  661.4112603.26  656.1212927.43   649.613613.02   639.7
15191.95   639.715451.83   639.616119.87   639.616633.81   649.516698.68   659.4
17016.09  652.2617023.62  651.9917138.78  649.3917850.31  609.7418456.07   599.8
 18596.7  589.8819091.87  589.8219219.62  579.9119420.66  567.1119997.21  567.11
20189.48  570.0420373.83   599.820456.28  608.2520473.95  610.0320695.58  613.88
21104.69  620.3521509.35  618.7123472.45   610.523579.58   610.523792.95  611.95
24118.28  614.0625035.28   620.325274.56   630.226832.38   640.127187.86   644.8
27581.26  650.0328185.97  669.8828394.19   669.929430.23   669.930020.85   669.8
30275.41   669.830809.04   659.9   31030  654.1531189.48  650.0231319.63  640.13
31457.79  640.1431731.11  650.0732030.19  652.56   33051  661.24 33668.5  666.31
34568.32   674.434700.96  675.4935274.55   679.635306.81  679.8736788.28  692.83
37758.16  700.7237941.72  707.7538268.85   720.538307.39  721.9838592.39  732.82
38900.69  744.7639047.67   750.439767.51     79040414.42  796.5840740.65     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518456.07     .1520373.83     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18456.0720373.83                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.66    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501618.00   346991.10   1939210.00
  E.G. Slope (ft/ft)      0.000066    Area (sq ft)            1501618.00   346991.10   1939210.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2400970.00   894259.90   3434770.00
  Top Width (ft)          37751.95    Top Width (ft)          16991.96    1917.76   18842.22
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.60       2.58       1.77
  Max Chl Dpth (ft)         192.55    Hydr. Depth (ft)           88.37     180.94     102.92
  Conv. Total (cfs)       826521700.0    Conv. (cfs)             294866800.0   109825400.0   421829400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        17014.37    1921.31   18845.71
  Min Ch El (ft)            567.11    Shear (lb/sq ft)            0.37       0.75       0.43
  Alpha                       1.08    Stream Power (lb/ft s)      0.58       1.93       0.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19202.06    2799.15   20542.59
  C & E Loss (ft)             0.00    Cum SA (acres)             19.52       2.21      21.62


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 273995.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  212.61  790.04  691.72  770.11 1457.31  760.03 1649.95  750.07
 1957.62  743.75 2138.05  740.09 2515.35  740.09 2875.52   737.4 3842.89  729.85
 3920.26  725.46 4018.57  719.91 4030.76  719.62 4247.99  714.63 4441.79  710.09
 4595.82  705.31  4761.2  700.15 5165.45  690.17 5658.13  685.29 6024.79  681.72
 6182.57  680.17 6354.25  670.24 6428.11  660.33 6819.39   660.3 7196.35  667.33
 7348.41  670.18 7585.97  650.36 7765.64  640.45  7842.5  630.54  7895.4  630.54
 8057.75  637.46 8292.56  647.55 8360.54  650.41 8500.28  660.25 8892.56  669.94
 8944.26  676.94 9111.15  699.49 9427.57   699.2 9442.77   697.7 9629.19  679.36
 9778.92  679.3410053.41  699.1410242.06  699.1310439.69   679.3 10640.7  673.97
 10796.4  669.68   10815  669.1910911.82  649.3711093.49  619.6411155.37  619.64
11200.73  628.68 11337.6  656.2211453.82  679.3711872.53  670.94 12043.3  667.41
12103.57   666.112333.36  661.4812605.85  656.1712930.09  649.6413615.82  639.73
15195.08  639.73   15455  639.6416123.18  639.6416637.23  649.5516702.11  659.46
17019.59  652.3117027.12  652.05 17142.3  649.4517853.98  609.7718459.86  599.82
18600.63  589.8919096.28  589.8419224.16  579.9219425.39  567.1120002.19  567.11
20194.64  570.0420379.15  599.8220461.59  608.2520479.25  610.0320700.86  613.84
21109.92  620.3221514.54  618.6723477.41  610.4523584.52  610.4523797.86   611.9
24123.16  614.0325040.05  620.27 25279.3  630.1826836.95  640.0927192.38  644.79
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27585.73  650.0328190.37  669.8928398.57  669.9129434.49  669.9130025.04  669.82
30279.57  669.8230813.13  659.9131034.07  654.1531193.53  650.0131323.67  640.12
31461.81  640.13 31735.1  650.0632034.15  652.5533054.84  661.2133672.26  666.29
34571.98  674.32 34704.6  675.4135278.12  679.5835310.38  679.8536791.68  692.75
37761.45  700.6437944.99  707.6838272.07  720.4338310.61  721.9138595.57  732.78
38903.84  744.71 39050.8  750.3639770.56     79040417.39  796.5940743.59     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518459.86     .1520379.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18459.8620379.15                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.66    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501569.00   347249.50   1939513.00
  E.G. Slope (ft/ft)      0.000066    Area (sq ft)            1501569.00   347249.50   1939513.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2400055.00   894725.50   3435220.00
  Top Width (ft)          37755.30    Top Width (ft)          16995.45    1919.29   18840.56
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.60       2.58       1.77
  Max Chl Dpth (ft)         192.55    Hydr. Depth (ft)           88.35     180.93     102.94
  Conv. Total (cfs)       826677500.0    Conv. (cfs)            294810000.0   109903300.0   421964200.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        17017.89    1922.84   18844.05
  Min Ch El (ft)            567.11    Shear (lb/sq ft)            0.37       0.75       0.43
  Alpha                       1.08    Stream Power (lb/ft s)      0.58       1.93       0.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19029.71    2759.30   20319.99
  C & E Loss (ft)             0.00    Cum SA (acres)             17.57       1.99      19.46


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 273992.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  212.65  790.04  691.86   770.1  1457.6  760.02 1650.29  750.06
 1958.02  743.75 2138.49  740.08 2515.87  740.08 2876.12  737.39 3843.68  729.86
 3921.06  725.47 4019.39  719.92 4031.59  719.63 4248.86  714.62  4442.7  710.08
 4596.76   705.3 4762.17  700.14 5166.51  690.15 5659.29  685.27 6026.03   681.7
 6183.84  680.15 6355.56  670.22 6429.43  660.29 6820.79  660.27 7197.82  667.31
 7349.92  670.16 7587.53  650.32 7767.23   640.4 7844.11  630.48 7897.02  630.48
  8059.4   637.4 8294.26   647.5 8362.26  650.37 8502.03  660.22 8894.38  669.95
  8946.1  676.96 9113.02  699.55  9429.5  699.29 9444.71  697.78 9631.17  679.43
 9780.93  679.4210055.47  699.2410244.16  699.2310441.84  679.3710642.88  674.05
10798.62  669.7710817.22  669.2810914.06  649.4411095.76  619.6811157.66  619.68
11203.04  628.7311339.93  656.2611456.17  679.4411874.97     67112045.77  667.48
12106.06  666.18 12335.9  661.5512608.44  656.2212932.75  649.6813618.62  639.76
 15198.2  639.7615458.18  639.68 16126.5  639.6816640.65   649.616705.54  659.52
17023.09  652.3717030.62  652.1217145.82  649.5117857.65  609.7918463.66  599.84
18604.56  589.9119100.69  589.86 19228.7  579.9319430.13  567.1120007.17  567.11
20199.79  570.0320384.46  599.84 20466.9  608.2520484.56  610.0220706.14  613.81
21115.15  620.2821519.72  618.6223482.36   610.423589.46   610.423802.78  611.85
24128.04  613.9925044.83  620.2425284.05  630.1626841.51  640.08 27196.9  644.79
27590.21  650.0328194.77  669.9128402.95  669.9229438.75  669.9230029.22  669.84
30283.73  669.8430817.23  659.9231038.14  654.1631197.58  650.0131327.71   640.1
31465.83  640.1131739.09  650.06 32038.1  652.5433058.67  661.1833676.02  666.26
34575.63  674.2334708.24  675.32 35281.7  679.5635313.95  679.8336795.07  692.66
37764.73  700.5737948.25  707.62 38275.3  720.3638313.82  721.8538598.76  732.73
38906.99  744.6739053.94  750.3239773.61     79040420.37  796.5940746.52     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518463.66     .1520384.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18463.6620384.46                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.66    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501529.00   347502.80   1939847.00
  E.G. Slope (ft/ft)      0.000066    Area (sq ft)            1501529.00   347502.80   1939847.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2399117.00   895165.20   3435718.00
  Top Width (ft)          37758.87    Top Width (ft)          16999.14    1920.80   18838.93
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.60       2.58       1.77
  Max Chl Dpth (ft)         192.55    Hydr. Depth (ft)           88.33     180.92     102.97
  Conv. Total (cfs)       826842700.0    Conv. (cfs)            294753700.0   109979300.0   422109700.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        17021.63    1924.36   18842.42
  Min Ch El (ft)            567.11    Shear (lb/sq ft)            0.36       0.75       0.43
  Alpha                       1.08    Stream Power (lb/ft s)      0.58       1.92       0.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18857.35    2719.43   20097.34
  C & E Loss (ft)             0.00    Cum SA (acres)             15.62       1.77      17.29


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 273989.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  212.69  790.03  692.01  770.09  1457.9  760.02 1650.63  750.05
 1958.42  743.74 2138.92  740.07 2516.38  740.07 2876.71  737.38 3844.47  729.88
 3921.87  725.49 4020.22  719.93 4032.41  719.64 4249.74  714.62 4443.61  710.07
 4597.71  705.28 4763.15  700.12 5167.57  690.13 5660.45  685.26 6027.26  681.68
 6185.11  680.13 6356.86  670.19 6430.75  660.26 6822.19  660.23  7199.3  667.29
 7351.43  670.14 7589.09  650.28 7768.83  640.35 7845.72  630.42 7898.64  630.42
 8061.06  637.35 8295.97  647.45 8363.97  650.32 8503.77  660.19 8896.21  669.95
 8947.94  676.98  9114.9   699.6 9431.44  699.38 9446.65  697.87 9633.15   679.5
 9782.93  679.4910057.54  699.3310246.27  699.3210443.98  679.4510645.07  674.12
10800.84  669.8610819.44  669.3710916.31  649.5111098.04  619.7211159.96  619.72
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11205.34  628.7811342.26  656.3111458.53  679.5111877.41  671.0612048.25  667.54
12108.55  666.2612338.43  661.6212611.03  656.26 12935.4  649.7213621.42  639.79
15201.32  639.7915461.35  639.7216129.81  639.7216644.07  649.6516708.98  659.58
17026.58  652.4217034.12  652.1817149.34  649.5717861.32  609.8218467.45  599.86
18608.49  589.9219105.11  589.8819233.23  579.9319434.86  567.1120012.15  567.11
20204.94  570.0320389.78  599.8620472.21  608.2520489.86  610.0220711.42  613.77
21120.38  620.2521524.91  618.5823487.32  610.3523594.41  610.35 23807.7  611.81
24132.91  613.95 25049.6  620.2125288.79  630.1426846.07  640.0727201.42  644.78
27594.68  650.0228199.18  669.9228407.33  669.93   29443  669.9330033.41  669.86
30287.89  669.8630821.32  659.9331042.21  654.1631201.63  650.0131331.74  640.09
31469.86   640.131743.08  650.0532042.05  652.53 33062.5  661.1533679.79  666.24
34579.29  674.1434711.88  675.2435285.27  679.5435317.52  679.8136798.47  692.57
37768.01   700.537951.51  707.5638278.52  720.2938317.05  721.7838601.95  732.68
38910.14  744.6239057.07  750.2839776.66     79040423.34   796.640749.45     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518467.45     .1520389.78     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18467.4520389.78                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.71    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.66    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501490.00   347762.50   1940169.00
  E.G. Slope (ft/ft)      0.000066    Area (sq ft)            1501490.00   347762.50   1940169.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2398199.00   895624.30   3436177.00
  Top Width (ft)          37762.23    Top Width (ft)          17002.63    1922.33   18837.26
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.60       2.58       1.77
  Max Chl Dpth (ft)         192.55    Hydr. Depth (ft)           88.31     180.91     103.00
  Conv. Total (cfs)       827009500.0    Conv. (cfs)            294700300.0   110057900.0   422251300.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        17025.15    1925.89   18840.76
  Min Ch El (ft)            567.11    Shear (lb/sq ft)            0.36       0.75       0.43
  Alpha                       1.08    Stream Power (lb/ft s)      0.58       1.92       0.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18685.00    2679.53   19874.66
  C & E Loss (ft)             0.00    Cum SA (acres)             13.67       1.55      15.13


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 273986.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  212.74  790.03  692.15  770.07  1458.2  760.02 1650.97  750.05
 1958.82  743.73 2139.36  740.06  2516.9  740.06  2877.3  737.36 3845.26   729.9
 3922.67   725.5 4021.05  719.94 4033.24  719.65 4250.61  714.61 4444.52  710.06
 4598.65  705.27 4764.13   700.1 5168.63  690.12 5661.62  685.25  6028.5  681.66
 6186.38  680.11 6358.17  670.16 6432.08  660.22 6823.59   660.2 7200.78  667.26
 7352.94  670.12 7590.65  650.24 7770.43   640.3 7847.33  630.36 7900.27  630.36
 8062.71   637.3 8297.67  647.39 8365.69  650.27 8505.52  660.16 8898.04  669.96
 8949.78  676.99 9116.77  699.66 9433.38  699.47 9448.59  697.96 9635.13  679.57
 9784.94  679.5610059.61  699.4310248.37  699.4210446.13  679.5310647.26   674.2
10803.06  669.9510821.67  669.4610918.55  649.5811100.32  619.7611162.25  619.76
11207.64  628.8211344.59  656.3611460.88  679.5811879.84  671.1212050.72  667.61
12111.03  666.3412340.97  661.6912613.62  656.3112938.06  649.7613624.21  639.82
15204.44  639.8215464.53  639.7616133.12  639.7616647.49   649.716712.41  659.64
17030.08  652.4717037.62  652.2417152.87  649.6417864.99  609.8518471.24  599.88
18612.42  589.9319109.52  589.8919237.77  579.94 19439.6  567.1120017.13  567.11
20210.09  570.03 20395.1  599.8820477.51  608.2520495.17  610.02 20716.7  613.73
21125.61  620.2121530.09  618.5423492.27   610.323599.35   610.323812.62  611.76
24137.79  613.9225054.37  620.1825293.54  630.1226850.63  640.0627205.94  644.78
27599.16  650.0228203.58  669.9328411.71  669.9429447.26  669.94 30037.6  669.88
30292.05  669.8830825.42  659.9431046.29  654.1731205.69  650.0131335.78  640.08
31473.88  640.0931747.07  650.0432046.01  652.5333066.34  661.1233683.55  666.22
34582.95  674.0634715.52  675.1535288.84  679.5235321.09  679.7936801.87  692.48
 37771.3  700.4337954.77  707.4938281.75  720.2238320.27  721.7138605.13  732.63
38913.29  744.58 39060.2  750.2439779.71     79040426.31  796.6140752.39     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518471.24     .15 20395.1     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18471.24 20395.1                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.71    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.66    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501438.00   348023.40   1940473.00
  E.G. Slope (ft/ft)      0.000066    Area (sq ft)            1501438.00   348023.40   1940473.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2397275.00   896100.00   3436625.00
  Top Width (ft)          37765.58    Top Width (ft)          17006.12    1923.86   18835.60
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.60       2.57       1.77
  Max Chl Dpth (ft)         192.55    Hydr. Depth (ft)           88.29     180.90     103.02
  Conv. Total (cfs)       827166200.0    Conv. (cfs)            294642600.0   110137200.0   422386400.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        17028.67    1927.42   18839.10
  Min Ch El (ft)            567.11    Shear (lb/sq ft)            0.36       0.75       0.43
  Alpha                       1.08    Stream Power (lb/ft s)      0.58       1.92       0.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18512.66    2639.59   19651.94
  C & E Loss (ft)             0.00    Cum SA (acres)             11.72       1.33      12.97


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 273983.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  212.78  790.02  692.29  770.06  1458.5  760.01  1651.3  750.04
 1959.23  743.73  2139.8  740.05 2517.42  740.05 2877.89  737.35 3846.05  729.91
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 3923.48  725.52 4021.87  719.95 4034.07  719.66 4251.48  714.61 4445.44  710.05
 4599.59  705.25 4765.11  700.08 5169.69   690.1 5662.78  685.23 6029.74  681.64
 6187.65  680.09 6359.47  670.14  6433.4  660.18 6824.99  660.17 7202.26  667.24
 7354.45   670.1 7592.21   650.2 7772.02  640.25 7848.94   630.3 7901.89   630.3
 8064.37  637.25 8299.38  647.34 8367.41  650.23 8507.27  660.14 8899.86  669.97
 8951.61  677.01 9118.64  699.72 9435.31  699.56 9450.53  698.05 9637.11  679.64
 9786.95  679.6410061.67  699.5210250.48  699.5210448.27  679.6110649.44  674.27
10805.28  670.0410823.89  669.5510920.79  649.65 11102.6   619.811164.54   619.8
11209.94  628.8711346.92   656.411463.23  679.6511882.28  671.18 12053.2  667.68
12113.52  666.41 12343.5  661.7712616.21  656.3612940.72   649.813627.01  639.85
15207.56  639.8515467.71   639.816136.44   639.816650.91  649.7516715.84   659.7
17033.58  652.5217041.12   652.317156.39   649.717868.66  609.8718475.04   599.9
18616.35  589.9419113.93  589.9119242.31  579.9519444.33  567.1120022.11  567.11
20215.24  570.0220400.41   599.920482.82  608.2420500.47  610.0120721.97   613.7
21130.84  620.1821535.27   618.523497.23  610.2523604.29  610.2523817.53  611.71
24142.67  613.8825059.14  620.1525298.28   630.126855.19  640.0527210.46  644.77
27603.63  650.0228207.98  669.9428416.08  669.9529451.52  669.9530041.79   669.9
30296.21   669.930829.52  659.9531050.36  654.1731209.74  650.0131339.82  640.06
 31477.9  640.0731751.06  650.0432049.96  652.5233070.17  661.0933687.31  666.19
 34586.6  673.9734719.16  675.0635292.42   679.535324.66  679.7736805.27  692.39
37774.58  700.3637958.04  707.4338284.97  720.1538323.48  721.6438608.32  732.58
38916.44  744.5339063.34   750.239782.76     79040429.29  796.6140755.32     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518475.04     .1520400.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18475.0420400.41                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.71    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.66    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501395.00   348280.20   1940805.00
  E.G. Slope (ft/ft)      0.000066    Area (sq ft)            1501395.00   348280.20   1940805.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2396333.00   896552.70   3437114.00
  Top Width (ft)          37769.13    Top Width (ft)          17009.80    1925.37   18833.96
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.60       2.57       1.77
  Max Chl Dpth (ft)         192.55    Hydr. Depth (ft)           88.27     180.89     103.05
  Conv. Total (cfs)       827331900.0    Conv. (cfs)            294585900.0   110215000.0   422531100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        17032.39    1928.93   18837.46
  Min Ch El (ft)            567.11    Shear (lb/sq ft)            0.36       0.75       0.43
  Alpha                       1.08    Stream Power (lb/ft s)      0.58       1.92       0.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18340.32    2599.63   19429.19
  C & E Loss (ft)             0.00    Cum SA (acres)              9.77       1.11      10.81


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 273980.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  212.83  790.02  692.43  770.05  1458.8  760.01 1651.64  750.03
 1959.63  743.72 2140.24  740.04 2517.93  740.04 2878.48  737.34 3846.84  729.93
 3924.28  725.53  4022.7  719.96  4034.9  719.67 4252.36   714.6 4446.35  710.04
 4600.54  705.24 4766.09  700.07 5170.75  690.08 5663.94  685.22 6030.98  681.62
 6188.92  680.07 6360.78  670.11 6434.72  660.15  6826.4  660.13 7203.74  667.22
 7355.96  670.08 7593.77  650.16 7773.62   640.2 7850.55  630.24 7903.51  630.24
 8066.03  637.19 8301.08  647.29 8369.13  650.18 8509.01  660.11 8901.69  669.97
 8953.45  677.03 9120.51  699.77 9437.25  699.65 9452.47  698.14 9639.09  679.71
 9788.96  679.7110063.74  699.6210252.58  699.6110450.42  679.6910651.63  674.35
10807.49  670.1310826.11  669.6410923.03  649.7211104.88  619.8411166.83  619.84
11212.24  628.9211349.25  656.4511465.59  679.7211884.72  671.2512055.67  667.75
12116.01  666.4912346.03  661.84 12618.8   656.412943.37  649.8413629.81  639.88
15210.69  639.8815470.88  639.8416139.75  639.8416654.33   649.816719.27  659.76
17037.07  652.5817044.62  652.3717159.91  649.7617872.33   609.918478.83  599.92
18620.28  589.9519118.35  589.9319246.85  579.9619449.06   567.120027.08   567.1
20220.39  570.0220405.73  599.9220488.13  608.2420505.78  610.0120727.25  613.66
21136.07  620.1421540.46  618.4623502.18   610.223609.23   610.223822.45  611.66
24147.55  613.8525063.91  620.1225303.03  630.0826859.75  640.0427214.98  644.77
 27608.1  650.0128212.39  669.9528420.46  669.9629455.78  669.9630045.98  669.92
30300.36  669.9230833.61  659.9631054.43  654.1831213.79  650.0131343.85  640.05
31481.92  640.0631755.04  650.0332053.92  652.5133074.01  661.0733691.07  666.17
34590.26  673.88 34722.8  674.9835295.99  679.4835328.23  679.7536808.66  692.31
37777.86  700.29 37961.3  707.37 38288.2  720.08 38326.7  721.57 38611.5  732.54
38919.59  744.4839066.47  750.16 39785.8     79040432.26  796.6240758.26     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518478.83     .1520405.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18478.8320405.73                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.71    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.66    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501346.00   348545.80   1941098.00
  E.G. Slope (ft/ft)      0.000066    Area (sq ft)            1501346.00   348545.80   1941098.00
  Q Total (cfs)           6730000.00    Flow (cfs)             2395418.00   897047.80   3437534.00
  Top Width (ft)          37772.48    Top Width (ft)          17013.29    1926.90   18832.29
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.60       2.57       1.77
  Max Chl Dpth (ft)         192.56    Hydr. Depth (ft)           88.25     180.88     103.07
  Conv. Total (cfs)       827488300.0    Conv. (cfs)            294529100.0   110296700.0   422662500.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        17035.92    1930.46   18835.79
  Min Ch El (ft)            567.10    Shear (lb/sq ft)            0.36       0.75       0.43
  Alpha                       1.08    Stream Power (lb/ft s)      0.58       1.92       0.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18167.98    2559.64   19206.40
  C & E Loss (ft)             0.00    Cum SA (acres)              7.81       0.89       8.65


CROSS SECTION


RIVER: BRAZOS
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REACH: UPPER BRAZOS       RS: 273977.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  212.87  790.01  692.57  770.04  1459.1  760.01 1651.98  750.02
 1960.03  743.72 2140.68  740.03 2518.45  740.03 2879.07  737.33 3847.63  729.95
 3925.09  725.55 4023.52  719.97 4035.73  719.68 4253.23   714.6 4447.26  710.03
 4601.48  705.22 4767.06  700.05 5171.82  690.06  5665.1   685.2 6032.22  681.61
 6190.19  680.06 6362.08  670.08 6436.04  660.11  6827.8   660.1 7205.22  667.19
 7357.47  670.06 7595.32  650.12 7775.21  640.15 7852.17  630.18 7905.13  630.18
 8067.68  637.14 8302.78  647.24 8370.85  650.14 8510.76  660.08 8903.52  669.98
 8955.29  677.04 9122.38  699.83 9439.19  699.73 9454.41  698.23 9641.06  679.79
 9790.97  679.78 10065.8  699.7110254.69  699.7110452.56  679.7710653.81  674.42
10809.71  670.2210828.33  669.7310925.27  649.7911107.16  619.8811169.12  619.88
11214.54  628.9711351.58   656.511467.94  679.7911887.16  671.3112058.15  667.82
12118.49  666.5712348.57  661.9112621.39  656.4512946.03  649.8813632.61  639.91
15213.81  639.9115474.06  639.8816143.06  639.8816657.74  649.8516722.71  659.82
17040.57  652.6317048.12  652.4317163.43  649.8217875.99  609.9218482.62  599.94
18624.21  589.9619122.76  589.9519251.39  579.97 19453.8   567.120032.06   567.1
20225.54  570.0120411.05  599.9420493.44  608.2420511.08  610.0120732.53  613.62
 21141.3  620.1121545.64  618.4223507.14  610.1523614.17  610.1523827.37  611.61
24152.43  613.8125068.68  620.0925307.77  630.0626864.31  640.03 27219.5  644.76
27612.58  650.0128216.79  669.9628424.84  669.9729460.04  669.9730050.17  669.94
30304.52  669.9430837.71  659.97 31058.5  654.1831217.84     65031347.89  640.04
31485.94  640.0431759.03  650.0232057.87   652.533077.84  661.0433694.84  666.14
34593.92   673.834726.45  674.8935299.57  679.46 35331.8  679.7236812.06  692.22
37781.15  700.2137964.56  707.3138291.42  720.0138329.92   721.538614.69  732.49
38922.74  744.44 39069.6  750.1239788.86     79040435.23  796.63 40761.2     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518482.62     .1520411.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18482.6220411.05                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.71    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.66    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501302.00   348805.70   1941438.00
  E.G. Slope (ft/ft)      0.000066    Area (sq ft)            1501302.00   348805.70   1941438.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2394474.00   897500.90   3438025.00
  Top Width (ft)          37775.84    Top Width (ft)          17016.78    1928.43   18830.63
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.59       2.57       1.77
  Max Chl Dpth (ft)         192.56    Hydr. Depth (ft)           88.22     180.88     103.10
  Conv. Total (cfs)       827660400.0    Conv. (cfs)            294474200.0   110375300.0   422810800.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        17039.44    1932.00   18834.13
  Min Ch El (ft)            567.10    Shear (lb/sq ft)            0.36       0.75       0.43
  Alpha                       1.08    Stream Power (lb/ft s)      0.58       1.92       0.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17995.66    2519.62   18983.57
  C & E Loss (ft)             0.00    Cum SA (acres)              5.86       0.66       6.48


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 273974.*

INPUT
Description:
Station Elevation Data    num=     120
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  212.91  790.01  692.72  770.02  1459.4  760.01 1652.32  750.02
 1960.43  743.71 2141.12  740.02 2518.97  740.02 2879.66  737.31 3848.42  729.97
  3925.9  725.57 4024.35  719.98 4036.55  719.69  4254.1  714.59 4448.17  710.02
 4602.43  705.21 4768.04  700.03 5172.88  690.04 5666.27  685.19 6033.45  681.59
 6191.46  680.04 6363.39  670.05 6437.36  660.07  6829.2  660.07  7206.7  667.17
 7358.98  670.04 7596.88  650.08 7776.81   640.1 7853.78  630.12 7906.76  630.12
 8069.34  637.09 8304.49  647.18 8372.56  650.09 8512.51  660.05 8905.35  669.99
 8957.13  677.06 9124.26  699.89 9441.13  699.82 9456.35  698.31 9643.04  679.86
 9792.98  679.8510067.87  699.8110256.79  699.8110454.71  679.84   10656  674.49
10811.93  670.3110830.56  669.8210927.52  649.8611109.44  619.9211171.42  619.92
11216.84  629.0211353.91  656.5411470.29  679.86 11889.6  671.3712060.62  667.88
12120.98  666.64 12351.1  661.9812623.98   656.512948.69  649.92 13635.4  639.94
15216.93  639.9415477.23  639.9216146.37  639.9216661.16   649.916726.14  659.88
17044.07  652.6817051.61  652.4917166.96  649.8817879.66  609.9518486.41  599.96
18628.14  589.9819127.17  589.9619255.92  579.9819458.53   567.120037.04   567.1
 20230.7  570.0120416.37  599.9620498.74  608.2420516.39  610.0120737.81  613.59
21146.54  620.0721550.83  618.3723512.09   610.123619.12   610.123832.28  611.56
24157.31  613.7725073.46  620.0625312.51  630.0426868.88  640.0227224.02  644.76
27617.05  650.0128221.19  669.9828429.22  669.9829464.29  669.9830054.36  669.96
30308.68  669.9630841.81  659.9831062.57  654.18 31221.9     65031351.93  640.03
31489.96  640.0331763.02  650.0132061.82   652.533081.68  661.01 33698.6  666.12
34597.57  673.7134730.09  674.8135303.14  679.4435335.38   679.736815.46  692.13
37784.43  700.1437967.82  707.2438294.64  719.9438333.14  721.4338617.88  732.44
38925.89  744.3939072.73  750.08 39791.9     79040438.21  796.6340764.13     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1518486.41     .1520416.37     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18486.4120416.37                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.71    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.66    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1501260.00   349063.40   1941759.00
  E.G. Slope (ft/ft)      0.000066    Area (sq ft)            1501260.00   349063.40   1941759.00
  Q Total (cfs)           6730000.00    Flow (cfs)              2393557.00   897954.00   3438489.00
  Top Width (ft)          37779.18    Top Width (ft)          17020.27    1929.96   18828.96
  Vel Total (ft/s)            1.77    Avg. Vel. (ft/s)            1.59       2.57       1.77
  Max Chl Dpth (ft)         192.56    Hydr. Depth (ft)           88.20     180.87     103.13
  Conv. Total (cfs)       827825100.0    Conv. (cfs)            294420000.0   110453000.0   422952100.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        17042.96    1933.53   18832.47
  Min Ch El (ft)            567.10    Shear (lb/sq ft)            0.36       0.74       0.43
  Alpha                       1.08    Stream Power (lb/ft s)      0.58       1.92       0.75
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  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    17823.33    2479.57   18760.71
  C & E Loss (ft)            0.00    Cum SA (acres)              3.91       0.44       4.32


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 273971.*

INPUT
Description:
Station Elevation Data    num=     120
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800  212.96     790  692.86  770.01  1459.7     760 1652.66  750.01
  1960.83   743.7 2141.56  740.01 2519.48  740.01 2880.25   737.3 3849.21  729.98
   3926.7  725.58 4025.17  719.99 4037.38   719.7 4254.97  714.58 4449.09  710.01
  4603.37  705.19 4769.02  700.02 5173.94  690.02 5667.43  685.17 6034.69  681.57
  6192.73  680.02 6364.69  670.03 6438.68  660.04  6830.6  660.03 7208.17  667.15
  7360.49  670.02 7598.44  650.04  7778.4  640.05 7855.39  630.06 7908.38  630.06
  8070.99  637.03 8306.19  647.13 8374.28  650.05 8514.25  660.03 8907.17  669.99
  8958.96  677.08 9126.13  699.94 9443.06  699.91 9458.29   698.4 9645.02  679.93
  9794.99  679.9310069.93   699.9 10258.9   699.910456.85  679.9210658.19  674.57
 10814.15  670.4110832.78  669.9110929.76  649.9311111.72  619.9611173.71  619.96
 11219.14  629.0711356.24  656.5911472.65  679.9311892.04  671.43 12063.1  667.95
 12123.47  666.7212353.64  662.0512626.57  656.5412951.34  649.96 13638.2  639.97
 15220.05  639.9715480.41  639.9616149.69  639.9616664.58  649.9516729.57  659.94
 17047.57  652.7317055.11  652.5517170.48  649.9417883.33  609.9718490.21  599.98
 18632.07  589.9919131.59  589.9819260.46  579.9919463.27   567.120042.02   567.1
 20235.85     57020421.68  599.9820504.05  608.24 20521.7     61020743.09  613.55
 21151.77  620.0421556.01  618.3323517.04  610.0523624.06  610.05 23837.2  611.51
 24162.19  613.7425078.23  620.0325317.26  630.0226873.44  640.0127228.54  644.75
 27621.53      650 28225.6  669.99 28433.6  669.9929468.55  669.9930058.54  669.98
 30312.84  669.98 30845.9  659.9931066.64  654.1931225.95     65031355.96  640.01
 31493.98  640.0131767.01  650.0132065.78  652.4933085.51  660.9833702.36   666.1
 34601.23  673.6234733.73  674.7235306.71  679.4235338.95  679.6836818.85  692.04
 37787.71  700.0737971.09  707.1838297.87  719.8738336.36  721.3638621.06  732.39
 38929.04  744.3539075.87  750.0439794.95     79040441.18  796.6440767.07     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1518490.21     .1520421.68     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      18490.2120421.68                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.71    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.66    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1501231.00   349319.70   1942080.00
  E.G. Slope (ft/ft)     0.000066    Area (sq ft)            1501231.00   349319.70   1942080.00
  Q Total (cfs)          6730000.00    Flow (cfs)              2392649.00   898403.60   3438947.00
  Top Width (ft)         37782.73    Top Width (ft)          17023.95    1931.47   18827.31
  Vel Total (ft/s)           1.77    Avg. Vel. (ft/s)            1.59       2.57       1.77
  Max Chl Dpth (ft)        192.56    Hydr. Depth (ft)           88.18     180.86     103.15
  Conv. Total (cfs)      827991500.0    Conv. (cfs)            294367500.0   110530500.0   423093400.0
  Length Wtd. (ft)           5.00    Wetted Per. (ft)        17046.68    1935.04   18830.82
  Min Ch El (ft)           567.10    Shear (lb/sq ft)            0.36       0.74       0.43
  Alpha                      1.08    Stream Power (lb/ft s)      0.58       1.91       0.75
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    17651.01    2439.48   18537.80
  C & E Loss (ft)            0.00    Cum SA (acres)              1.95       0.22       2.16


CROSS SECTION


RIVER: BRAZOS
REACH: UPPER BRAZOS       RS: 273969

INPUT
Description:
Station Elevation Data    num=      70
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800     213     790     693     770    1460     760    1653     750
     2142     740    2520     740    3850     730    4026     720    4450     710
     4770     700    5175     690    6194     680    6366     670    6440     660
     6832     660    7362     670    7600     650    7780     640    7857     630
     7910     630    8376     650    8516     660    8909     670    9128     700
     9445     700    9647     680    9797     680   10072     700   10261     700
    10459     680   10835     670   10932     650   11114     620   11176     620
    11475     680   12954     650   13641     640   16153     640   16668     650
    16733     660   17174     650   17887     610   18494     600   18636     590
    19136     590   19265     580   19468   567.1   20047   567.1   20241     570
    20427     600   20527     610   21157     620   23522     610   23629     610
    25083     620   25322     630   26878     640   27626     650   28230     670
    30317     670   30850     660   31230     650   31360     640   31498     640
    31771     650   37791     700   39079     750   39798     790   40770     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .15   18494     .15   20427     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         18494   20427                0       0       0             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.71    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.66    Reach Len. (ft)           500.00     500.00     500.00
  Crit W.S. (ft)                     Flow Area (sq ft)       1501176.00   349577.80   1942389.00
  E.G. Slope (ft/ft)     0.000066    Area (sq ft)            1501176.00   349577.80   1942389.00
  Q Total (cfs)          6730000.00    Flow (cfs)              2391722.00   898865.60   3439412.00
  Top Width (ft)         37786.08    Top Width (ft)          17027.44    1933.03   18825.64
  Vel Total (ft/s)           1.77    Avg. Vel. (ft/s)            1.59       2.57       1.77
  Max Chl Dpth (ft)        192.56    Hydr. Depth (ft)           88.16     180.85     103.18
  Conv. Total (cfs)      828147800.0    Conv. (cfs)            294309000.0   110608200.0   423230600.0
  Length Wtd. (ft)         500.00    Wetted Per. (ft)        17050.21    1936.57   18829.15
  Min Ch El (ft)           567.10    Shear (lb/sq ft)            0.36       0.74       0.43
  Alpha                      1.08    Stream Power (lb/ft s)      0.58       1.91       0.75
  Frctn Loss (ft)            0.06    Cum Volume (acre-ft)    17478.70    2399.37   18314.87
  C & E Loss (ft)            0.01    Cum SA (acres)
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CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268430

INPUT
Description:
Station Elevation Data    num=      89
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800    1234     760    1912     760    2307     770    2824     770
    3657     720    3914     710    4518     700    4752     710    5539     700
    5736     710    6018     690    6936     690    7289     660    7384     660
    7781     700    8080     700    8251     690    8331     690    9085     730
    9343     730    9597     720   10792     710   11529     650   11594     650
   12371     710   12878     720   13069     730   13484     720   14039     720
   14185     700   14465     700   14731     730   15160     730   15698     700
   15900     650   16267     620   17069     610   19427     610   19646     620
   20019     620   20422     590   21471     590   21516     580   21600   565.5
   21834     570   21877     580   22206     660   23431     740   23705     740
   24119     730   24584     730   25084     720   25532     680   25625     680
   27306     750   27675     750   28795     720   29866     720   30221     730
   31624     700   32085     710   34207     710   34674     700   35608     700
   35908     600   36041     610   36501     620   36998     710   38450     720
   39201     720   39565     740   39782     740   40310     720   40892     740
   41729     710   41829     710   42327     730   42410     730   43482     700
   43692     700   43913     710   44215     710   45269     680   45401     680
   46235     730   47453     740   48079     750   49026     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   21516     .15   21877     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         21516   21877             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.64    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.50    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1544313.00   68488.84   1248793.00
  E.G. Slope (ft/ft)      0.000283    Area (sq ft)            1544313.00   68488.84   1248793.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4907953.00   375163.00   2720017.00
  Top Width (ft)          45259.88    Top Width (ft)          18517.02     361.00   26381.87
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.18       5.48       2.18
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.40     189.72      47.34
  Conv. Total (cfs)       475730100.0    Conv. (cfs)            291743300.0   22300810.0   161685900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18543.53     363.43   26428.59
  Min Ch El (ft)            565.50    Shear (lb/sq ft)            1.47       3.33       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.68      18.24       1.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    75935.94    3640.49   58143.62
  C & E Loss (ft)             0.00    Cum SA (acres)            913.22      19.30    1350.95


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268425.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1234.03  760.01 1405.57     760 1912.04     760 2307.05  769.98
 2389.18  769.98 2526.86    770 2734.88     770 2824.06  769.98 3129.11  751.66
 3657.08  720.01 3914.09  710.02  4518.1  700.01 4620.86  704.38 4752.11  709.97
 5539.12  699.97 5736.13  709.94 5979.88  692.68 6018.13  689.98  6690.1  689.98
 6936.16  689.94 7189.33  668.44 7289.16  659.98 7384.17  659.98 7508.28  672.45
 7781.17  699.96  7842.1  699.98 8024.35  699.93 8080.18  699.93 8119.45  697.64
 8251.18  689.98 8331.19    690 8460.19  696.85 8696.93   709.4  9085.2  729.95
 9320.97  729.95 9343.21  729.95  9485.4  724.34 9597.21  719.9510457.12  712.77
10792.24  709.9211099.98  684.87 11128.7  682.5111284.22  669.8811529.26  650.03
11594.26  650.0412033.06  683.9412371.28     71012878.29  719.9812886.91  720.43
13069.29  729.9213296.99  724.4113362.37  722.84 13484.3  719.9413669.43     720
14039.31     72014096.36   712.214185.32  700.0514465.32  700.0614657.99  721.75
14731.33     73015160.34    73015698.35  700.0715883.29   654.415900.36  650.18
16048.71  638.0216245.83  621.8316267.36  620.0716518.22   616.916956.04  611.43
17069.38  610.0219427.44  610.0219646.44     62020019.45     62020422.46  590.07
20592.31  590.0720685.42  590.0520935.04  590.0221471.48     59021478.84  588.37
21516.48     58021540.18  575.9221570.56   570.721600.94   565.521834.69  570.02
21877.64     58021955.65  599.0822013.46  613.1122206.71  660.0122265.84  663.88
22541.16  681.7622614.58  686.5423431.97   739.923706.02  739.9424120.11  730.01
24363.77  730.0524585.21  730.0125085.31  719.96 25120.9  716.7825388.88  692.92
25533.41  680.1225578.84  680.1425626.43  680.1425867.01  690.1326227.68  705.09
26371.76  711.0826620.47  721.4527104.11  741.5427307.78  749.9827676.86  749.94
 28045.7  740.0528100.77  738.58 28797.1  720.0428862.48  720.0529868.32  720.05
 30223.4  730.0231626.69  700.0932087.79  710.0732813.31  710.0733702.59  710.05
33865.03  710.0534210.23  710.0634315.64  707.8234677.33  700.0935079.19  700.09
35605.96     70035611.53  699.9935755.55  651.9535911.59  600.0735935.43  601.86
36044.62  610.0636504.72  620.0936914.65  694.1837001.82  709.9337423.07  712.82
37565.32  713.7537618.55  714.1237986.55  716.7438454.13     720 38744.6  720.02
39205.29  720.0339569.36  739.9939786.41     74039874.32  736.6840314.52  720.05
40896.64     74041231.65  728.0241543.68  716.8941666.65  712.4941733.82  710.09
41833.84  710.0842169.57   723.542331.95     73042414.96     73043395.66  702.63
43487.19  700.0643697.23  700.0443918.28  709.9943996.77  709.9844194.08  709.98
44220.34  709.9844385.89   705.344651.11  697.7745274.56  680.0345406.59  680.02
45619.32  692.72 45732.2  699.4746240.77  729.9646527.87  732.3547459.02     740
47620.88  742.5848085.16  749.99 48211.9  756.6849032.36     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521516.48     .1521877.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21516.4821877.64             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.64    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                  0.150      0.150      0.150
```

```
  W.S. Elev (ft)            759.50    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1544367.00   68515.08   1248547.00
  E.G. Slope (ft/ft)      0.000283    Area (sq ft)            1544367.00   68515.08   1248547.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4908715.00   375345.10   2719073.00
  Top Width (ft)          45266.58    Top Width (ft)          18517.84     361.16   26387.58
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.18       5.48       2.18
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.40     189.71      47.32
  Conv. Total (cfs)       475671500.0    Conv. (cfs)             291752700.0   22308880.0   161609900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18544.28     363.58   26434.18
  Min Ch El (ft)            565.50    Shear (lb/sq ft)            1.47       3.33       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.68      18.24       1.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    75759.02    3632.64   58000.58
  C & E Loss (ft)             0.00    Cum SA (acres)            911.09      19.26    1347.93


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268420.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1234.06  760.02 1405.61     760 1912.09     760  2307.1  769.95
 2389.23  769.95 2526.92    770 2734.94     770 2824.13  769.97 3129.18  751.64
 3657.16  720.03 3914.18  710.04  4518.2  700.01 4620.97  704.37 4752.21  709.94
 5539.25  699.94 5736.26  709.88 5980.02  692.65 6018.27  689.95 6690.25  689.95
 6936.31  689.88 7189.49   668.4 7289.33  659.95 7384.33  659.95 7508.45   672.4
 7781.35  699.92 7842.27  699.95 8024.53  699.86 8080.36  699.86 8119.63  697.57
 8251.37  689.96 8331.37  689.99 8460.38  696.86 8697.12  709.41 9085.41  729.91
 9321.18  729.91 9343.42   729.9 9485.61  724.29 9597.43  719.9110457.35  712.74
10792.48  709.8311100.23  684.7811128.95  682.4111284.47  669.8111529.52  650.06
11594.52  650.0912033.33  684.0112371.55     71012878.58  719.95 12887.2   720.4
13069.59  729.8413297.29   724.313362.67  722.74 13484.6  719.8913669.74     720
14039.63     72014096.67  712.2214185.64   700.114465.65  700.1214658.32  721.77
14731.66     73015160.68     730 15698.7  700.1415883.64  654.5815900.71  650.36
16049.07  638.1616246.19  621.8916267.73  620.1316518.59  616.9316956.42  611.45
17069.77  610.0519427.87  610.0519646.88     620 20019.9     62020422.92  590.14
20592.77  590.1420685.88  590.0920935.51  590.0521471.96     59021479.32  588.37
21516.96     58021540.79   575.921571.33  570.6921601.87   565.521835.37  570.04
21878.28     580 21956.3   599.222014.13  613.1922207.42  660.0222266.56  663.89
22541.94  681.6922615.37  686.4623432.93   739.823707.05  739.8724121.22  730.03
24364.93  730.0924586.42  730.0325086.63  719.9225122.22  716.7425390.25  692.94
25534.82  680.2425580.26  680.2825627.86  680.2825868.49  690.2526229.23  705.15
26373.35  711.1226622.11  721.5227105.85  741.5627309.56  749.9627678.72  749.89
28047.64  739.9828102.72  738.5128799.19  720.0828864.59  720.0929870.64  720.09
30225.79  730.0531629.38  700.1932090.58  710.1432816.25  710.1433705.72  710.09
33868.19  710.0934213.47  710.1334318.89  707.8934680.66  700.1935082.61  700.19
35609.49     70035615.06  699.9935759.11   651.935915.18  600.1435939.03  601.92
36048.24  610.1236508.43  620.1836918.45  694.1537005.64  709.8637426.98  712.75
37569.26  713.63 37622.5  713.9937990.59   716.738458.25  719.9938748.79  720.05
39209.57  720.0739573.72  739.9939790.82     74039878.75  736.6940319.04  720.09
40901.28     74041236.36  728.0541548.45  716.9741671.45  712.5841738.64  710.17
41838.68  710.1642174.48  723.5142336.89     73042419.92     73043400.82  702.69
43492.38  700.1243702.46  700.0743923.55  709.9744002.07  709.9544199.42  709.95
44225.68  709.9644391.26  705.3144656.54   697.845280.12  680.0545412.18  680.03
45624.95  692.6945737.86  699.4346246.53  729.92 46533.7  732.3547465.05  739.99
47626.94  742.5748091.31  749.9948218.09  756.6649038.71     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521516.96     .1521878.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21516.9621878.28             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.64    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.49    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1544387.00   68541.01   1248289.00
  E.G. Slope (ft/ft)      0.000283    Area (sq ft)            1544387.00   68541.01   1248289.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4909450.00   375535.60   2718148.00
  Top Width (ft)          45273.27    Top Width (ft)          18518.49     361.32   26393.47
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.18       5.48       2.18
  Max Chl Dpth (ft)         193.99    Hydr. Depth (ft)           83.40     189.70      47.30
  Conv. Total (cfs)       475600400.0    Conv. (cfs)             291752700.0   22316870.0   161530800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18544.86     363.73   26439.95
  Min Ch El (ft)            565.50    Shear (lb/sq ft)            1.47       3.33       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.68      18.25       1.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    75582.11    3624.79   57857.57
  C & E Loss (ft)             0.00    Cum SA (acres)            908.97      19.21    1344.91


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268415.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1234.08  760.03 1405.64     760 1912.13     760 2307.16  769.93
 2389.29  769.93 2526.98    770    2735     770 2824.19  769.95 3129.25  751.61
 3657.25  720.04 3914.26  710.06  4518.3  700.02 4621.07  704.36 4752.32  709.92
 5539.37  699.91 5736.39  709.81 5980.15  692.62  6018.4  689.93  6690.4  689.93
 6936.47  689.83 7189.65  668.35 7289.49  659.93  7384.5  659.93 7508.62  672.35
 7781.52  699.88 7842.45  699.93 8024.71  699.79 8080.54  699.79 8119.81  697.51
 8251.55  689.94 8331.56  689.99 8460.57  696.87 8697.32  709.41 9085.61  729.86
 9321.39  729.86 9343.63  729.85 9485.82  724.23 9597.65  719.8610457.59  712.71
10792.73  709.7511100.48   684.7 11129.2  682.3111284.72  669.7411529.78  650.09
11594.78  650.13 12033.6  684.0712371.83     71012878.87  719.9312887.49  720.38
13069.88  729.7713297.59   724.213362.97  722.6413484.91  719.8313670.05     720
14039.94     72014096.99  712.2414185.95  700.1514465.97  700.1914658.65  721.79
14731.99     73015161.02     73015699.06  700.21   15884  654.7615901.07  650.54
16049.43  638.3116246.55  621.9616268.09   620.216518.96  616.96 16956.8  611.47
17070.15  610.0719428.31  610.0719647.32     62020020.35     62020423.37  590.21
20593.23  590.2120686.35  590.1420935.97  590.0721472.44     59021479.81  588.38
21517.45     580 21541.4  575.89 21572.1  570.6821602.81   565.521836.06  570.05
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21878.92     58021956.96  599.32 22014.8  613.2822208.12  660.0422267.28   663.9
22542.72  681.6122616.16  686.37 23433.9   739.723708.07  739.8124122.33  730.04
 24366.1  730.1424587.63  730.0425087.94  719.8825123.54  716.7125391.63  692.95
25536.23  680.3525581.68  680.4225629.29  680.4225869.97  690.3726230.79  705.21
26374.93  711.1626623.74  721.5927107.59  741.5827311.35  749.9427680.58  749.83
28049.58  739.9128104.67  738.4528801.29  720.12 28866.7  720.1429872.96  720.14
30228.19  730.0731632.07  700.2832093.36  710.2132819.19  710.2133708.85  710.14
33871.35  710.14 34216.7  710.1934322.15  707.97   34684  700.2835086.02  700.28
35613.02     70035618.59  699.9835762.67  651.8535918.78  600.2135942.62  601.99
36051.86  610.1836512.15  620.2736922.25  694.1237009.46  709.7937430.89  712.67
 37573.2   713.537626.45  713.8737994.61  716.6638462.38  719.9938752.98  720.07
39213.86   720.139578.09  739.9839795.22  739.9939883.18  736.6940323.56  720.14
40905.93     74041241.07  728.0841553.23  717.0541676.26  712.6741743.45  710.26
41843.52  710.2342179.39  723.5342341.83     73042424.88     73043405.99  702.75
43497.56  700.1843707.69  700.1143928.83  709.9644007.36  709.9344204.75  709.93
44231.02  709.9444396.64  705.3244661.98  697.8345285.69  680.0845417.77  680.05
45630.59  692.6645743.52  699.38 46252.3  729.8746539.52  732.3447471.07  739.99
   47633  742.5748097.46  749.9848224.27  756.6449045.06     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521517.45     .1521878.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21517.4521878.92             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.64    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.49    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1544424.00   68567.08   1248044.00
  E.G. Slope (ft/ft)      0.000283    Area (sq ft)            1544424.00   68567.08   1248044.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4910179.00   375724.40   2717231.00
  Top Width (ft)          45280.13    Top Width (ft)          18519.31     361.47   26399.34
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.18       5.48       2.18
  Max Chl Dpth (ft)         193.99    Hydr. Depth (ft)           83.40     189.69      47.28
  Conv. Total (cfs)       475536300.0    Conv. (cfs)            291756700.0   22325080.0   161454500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18545.60     363.88   26445.72
  Min Ch El (ft)            565.50    Shear (lb/sq ft)            1.47       3.33       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.68      18.26       1.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    75405.19    3616.93   57714.59
  C & E Loss (ft)             0.00    Cum SA (acres)            906.85      19.17    1341.88


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268410.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1234.11  760.05 1405.67     760 1912.17     760 2307.21  769.91
 2389.34  769.91 2527.03     770 2735.06     770 2824.25  769.94 3129.32  751.58
 3657.33  720.05 3914.35  710.08 4518.41  700.03 4621.17  704.35 4752.43  709.89
  5539.5  699.87 5736.51  709.75 5980.28  692.59 6018.54  689.91 6690.55  689.91
 6936.62  689.77 7189.81  668.31 7289.65  659.91 7384.66  659.91 7508.79  672.29
  7781.7  699.84 7842.62  699.91 8024.89  699.72 8080.72  699.72 8119.99  697.44
 8251.74  689.92 8331.75  689.99 8460.76  696.87 8697.52  709.41 9085.81  729.81
  9321.6  729.81 9343.84   729.8 9486.04  724.17 9597.86  719.8110457.82  712.68
10792.97  709.6611100.72  684.6211129.45  682.2111284.98  669.6711530.03  650.12
11595.04  650.1812033.87  684.1312372.11     71012879.16  719.9112887.78  720.35
13070.17  729.6913297.89   724.113363.27  722.5413485.21  719.7713670.35     720
14040.26     72014097.31  712.2614186.27   700.2 14466.3  700.2514658.98  721.81
14732.32     73015161.36     73015699.41  700.2815884.36  654.9315901.43  650.72
16049.79  638.4616246.92  622.0316268.46  620.2716519.34     61716957.18  611.49
17070.53  610.0919428.74  610.0919647.76     62020020.79     62020423.83  590.28
 20593.7  590.2820686.81  590.1920936.44  590.0921472.93     59021480.29  588.38
21517.93     58021542.01  575.8821572.88  570.6721603.75  565.4921836.74  570.07
21879.56     58021957.61  599.4422015.47  613.3722208.83  660.05   22268  663.92
22543.49  681.5422616.96  686.2923434.87  739.59 23709.1  739.7424123.45  730.06
24367.26  730.1924588.84  730.0525089.26  719.8325124.86  716.6725393.01  692.97
25537.63  680.47 25583.1  680.5625630.71  680.5625871.45  690.4826232.34  705.27
26376.52  711.2126625.38  721.6527109.33   741.627313.13  749.9227682.44  749.77
28051.52  739.8428106.61  738.3828803.38  720.1628868.81  720.1929875.28  720.19
30230.58  730.0931634.76  700.3732096.15  710.2832822.13  710.2833711.98  710.19
33874.52  710.1934219.94  710.2634325.41  708.0534687.33  700.3735089.44  700.37
35616.55     70035622.12  699.9835766.23   651.835922.37  600.2835946.22  602.06
36055.48  610.2436515.87  620.3736926.06  694.0837013.29  709.72 37434.8  712.59
37577.14  713.38 37630.4  713.7437998.64  716.6238466.51  719.9938757.16  720.09
39218.14  720.1339582.45  739.9739799.63  739.9939887.61   736.740328.08  720.19
40910.57     74041245.79  728.1141558.01  717.1241681.06  712.7641748.27  710.35
41848.36  710.31 42184.3  723.5442346.77     73042429.84     73043411.16  702.82
43502.75  700.2443712.92  700.1443934.11  709.9444012.65  709.9144210.09  709.91
44236.36  709.9244402.02  705.3344667.41  697.8645291.25   680.145423.36  680.06
45636.22  692.6345749.18  699.3346258.07  729.8346545.35  732.3347477.09  739.99
47639.05  742.5648103.62  749.9848230.45  756.6349051.41     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521517.93     .1521879.56     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21517.9321879.56             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.49    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1544478.00   68594.37   1247803.00
  E.G. Slope (ft/ft)      0.000283    Area (sq ft)            1544478.00   68594.37   1247803.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4910924.00   375913.20   2716296.00
  Top Width (ft)          45286.73    Top Width (ft)          18520.06     361.63   26405.04
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.18       5.48       2.18
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.39     189.68      47.26
  Conv. Total (cfs)       475479900.0    Conv. (cfs)            291766500.0   22333650.0   161379800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18546.28     364.03   26451.31
  Min Ch El (ft)            565.49    Shear (lb/sq ft)            1.47       3.33       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.68      18.26       1.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    75228.27    3609.08   57571.63
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  C & E Loss (ft)             0.00    Cum SA (acres)            904.73      19.13    1338.86


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268405.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1234.14  760.06  1405.7     760 1912.21     760 2307.26  769.88
 2389.39  769.88 2527.09    770 2735.12     770 2824.32  769.92 3129.39  751.55
 3657.41  720.07 3914.44   710.1 4518.51  700.03 4621.28  704.34 4752.53  709.86
 5539.62  699.84 5736.64  709.69 5980.42  692.56 6018.67  689.88  6690.7  689.88
 6936.78  689.71 7189.98  668.27 7289.82  659.88 7384.83  659.88 7508.96  672.24
 7781.87   699.8  7842.8  699.88 8025.07  699.65 8080.91  699.65 8120.17  697.38
 8251.92   689.9 8331.93  689.98 8460.95  696.88 8697.71  709.41 9086.02  729.77
 9321.81  729.77 9344.05  729.75 9486.25  724.12 9598.08  719.7710458.05  712.65
10793.21  709.5811100.97  684.54 11129.7  682.1111285.23   669.611530.29  650.15
 11595.3  650.2212034.14  684.1912372.39     71012879.44  719.8812888.06  720.33
13070.46  729.6113298.18  723.9913363.57  722.4413485.51  719.7213670.66     720
14040.57     72014097.62  712.2814186.59  700.2514466.62  700.3114659.31  721.83
14732.65     730 15161.7     73015699.76  700.3515884.71  655.1115901.78   650.9
16050.15   638.616247.28  622.0916268.82  620.3316519.71  617.0316957.56  611.51
17070.91  610.1219429.18  610.12 19648.2     62020021.24     62020424.29  590.35
20594.16  590.3520687.28  590.2320936.91  590.1221473.41     59021480.77  588.38
21518.41     58021542.62  575.8621573.65  570.6621604.68  565.4921837.43  570.09
 21880.2     58021958.27  599.5622016.13  613.4522209.54  660.0622268.72  663.93
22544.27  681.4622617.75   686.223435.83  739.4923710.12  739.6824124.56  730.07
24368.42  730.2324590.04  730.0625090.57  719.7925126.19  716.6325394.39  692.99
25539.04  680.5925584.52   680.725632.14   680.725872.93   690.6 26233.9  705.32
 26378.1  711.2526627.02  721.7227111.07  741.6227314.91   749.9 27684.3  749.72
28053.45  739.7728108.56  738.3128805.48   720.228870.92  720.23 29877.6  720.23
30232.98  730.1231637.46  700.4732098.94  710.3532825.07  710.35 33715.1  710.23
33877.68  710.2334223.17  710.3234328.66  708.1234690.66  700.4735092.86  700.47
35620.07     70035625.65  699.9735769.79  651.7435925.96  600.3535949.82  602.12
 36059.1   610.336519.59  620.4636929.86  694.0537017.11  709.6537438.71  712.52
37581.08  713.2537634.35  713.6138002.67  716.5838470.64  719.9838761.36  720.12
39222.43  720.1639586.81  739.9739804.04  739.9939892.03  736.7140332.59  720.23
40915.21     740 41250.5  728.1441562.79   717.241685.87  712.8541753.09  710.44
 41853.2  710.3942189.21  723.5642351.72     730 42434.8     73043416.32  702.88
43507.93   700.343718.16  700.1843939.39  709.9344017.95  709.8844215.42  709.88
 44241.7   709.944407.39  705.3444672.84  697.8945296.81  680.1345428.95  680.08
45641.86   692.645754.84  699.2946263.83  729.7946551.18  732.3347483.11  739.98
47645.11  742.5548109.77  749.9748236.63  756.6149057.77     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521518.41     .15 21880.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21518.41 21880.2             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.49    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1544503.00   68620.41   1247557.00
  E.G. Slope (ft/ft)      0.000283    Area (sq ft)            1544503.00   68620.41   1247557.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4911633.00   376102.30   2715399.00
  Top Width (ft)          45293.58    Top Width (ft)          18520.87     361.79   26410.92
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.18       5.48       2.18
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.39     189.67      47.24
  Conv. Total (cfs)       475411600.0    Conv. (cfs)            291766600.0   22341680.0   161303300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18547.02     364.18   26457.07
  Min Ch El (ft)            565.49    Shear (lb/sq ft)            1.47       3.33       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.69      18.27       1.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    75051.34    3601.22   57428.70
  C & E Loss (ft)             0.00    Cum SA (acres)            902.61      19.09    1335.83


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268400.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1234.17  760.07 1405.73     760 1912.26     760 2307.31  769.86
 2389.45  769.86 2527.15    770 2735.18     770 2824.38   769.9 3129.46  751.53
 3657.49  720.08 3914.53  710.13 4518.61  700.04 4621.38  704.33 4752.64  709.83
 5539.75  699.81 5736.77  709.63 5980.55  692.53 6018.81  689.86 6690.85  689.86
 6936.93  689.65 7190.14  668.22 7289.98  659.86 7384.99  659.86 7509.13  672.19
 7782.05  699.76 7842.97  699.86 8025.25  699.58 8081.09  699.58 8120.36  697.31
 8252.11  689.88 8332.12  689.98 8461.14  696.89 8697.91  709.41 9086.22  729.72
 9322.01  729.72 9344.26   729.7 9486.46  724.06 9598.29  719.7210458.29  712.62
10793.45  709.4911101.22  684.4611129.95  682.0111285.48  669.5311530.55  650.18
11595.56  650.2712034.41  684.2512372.66     71012879.73  719.8612888.35   720.3
13070.76  729.5313298.48  723.8913363.87  722.3313485.81  719.6613670.97     720
14040.89     72014097.94  712.314186.91   700.314466.95  700.3714659.63  721.85
14732.98     73015162.04     73015700.11  700.4215885.07  655.2915902.14  651.08
16050.51  638.7516247.65  622.1616269.19   620.416520.08  617.0616957.94  611.53
 17071.3  610.1419429.61  610.1419648.64     62020021.69     62020424.75  590.42
20594.62  590.4220687.74  590.2820937.38  590.1421473.89     59021481.25  588.39
21518.89     58021543.23  575.8521574.42  570.6521605.62  565.4921838.11  570.11
21880.84     58021958.92  599.68 22016.8  613.5422210.25  660.0722269.44  663.95
22545.05  681.3922618.55  686.12 23436.8  739.3923711.14  739.6124125.67  730.09
24369.58  730.2824591.25  730.0825091.89  719.7525127.51  716.5925395.77     693
25540.45  680.7125585.94  680.8425633.57  680.8425874.41  690.7226235.45  705.38
26379.69   711.326628.65  721.7927112.81  741.6427316.69  749.8827686.16  749.66
28055.39   739.728110.51  738.2528807.57  720.2428873.03  720.2829879.93  720.28
30235.37  730.1431640.14  700.5632101.73  710.4232828.02  710.4233718.23  710.28
33880.84  710.2834226.41  710.3934331.92   708.2   34694  700.5635096.27  700.56
 35623.6     70035629.18  699.9635773.35  651.6935929.55  600.4235953.42  602.19
36062.72  610.36 36523.3  620.5536933.66  694.0237020.93  709.5837442.62  712.44
37585.02  713.12 37638.3  713.48 38006.7  716.5438474.77  719.9838765.54  720.14
39226.71   720.239591.17  739.9639808.45  739.9939896.46  736.7240337.11  720.28
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40919.85     74041255.21  728.1641567.57  717.2841690.67  712.9441757.91  710.52
41858.03  710.4742194.12  723.5742356.66     73042439.77     73043421.49  702.95
43513.12  700.3643723.39  700.2143944.66  709.9144023.24  709.8644220.76  709.86
44247.05  709.8844412.77  705.3644678.27  697.9145302.38  680.1545434.54  680.09
45647.49  692.5745760.49  699.24 46269.6  729.75   46557  732.3247489.14  739.98
47651.17  742.5548115.93  749.9748242.81   756.649064.12     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521518.89     .1521880.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21518.8921880.84             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.49    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1544544.00   68646.46   1247294.00
  E.G. Slope (ft/ft)      0.000283    Area (sq ft)            1544544.00   68646.46   1247294.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4912410.00   376288.00   2714436.00
  Top Width (ft)          45300.16    Top Width (ft)          18521.59     361.95   26416.62
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.18       5.48       2.18
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.39     189.66      47.22
  Conv. Total (cfs)       475346500.0    Conv. (cfs)            291772800.0   22349640.0   161224000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18547.67     364.33   26462.66
  Min Ch El (ft)            565.49    Shear (lb/sq ft)            1.47       3.33       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.69      18.28       1.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    74874.41    3593.36   57285.80
  C & E Loss (ft)             0.00    Cum SA (acres)            900.49      19.05    1332.81


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268395.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1234.19  760.08 1405.76     760  1912.3     760 2307.36  769.84
  2389.5  769.84  2527.2     770 2735.25     770 2824.44  769.89 3129.53   751.5
 3657.57   720.1 3914.61  710.15 4518.71  700.05 4621.48  704.32 4752.75   709.8
 5539.87  699.78  5736.9  709.57 5980.69   692.5 6018.94  689.84    6691  689.84
 6937.09  689.59  7190.3  668.18 7290.14  659.84 7385.16  659.84 7509.29  672.14
 7782.22  699.72 7843.15  699.84 8025.43  699.51 8081.27  699.51 8120.54  697.25
 8252.29  689.86 8332.31  689.98 8461.33   696.9  8698.1  709.41 9086.43  729.67
 9322.22  729.67 9344.47  729.65 9486.67     724 9598.51  719.6710458.52  712.59
10793.69  709.4111101.47  684.37 11130.2  681.9111285.74  669.4611530.81  650.21
11595.82  650.3112034.68  684.3112372.94     71012880.02  719.8412888.64  720.28
13071.05  729.4513298.78  723.7813364.17  722.2313486.12   719.613671.27     720
 14041.2     72014098.25  712.3114187.23  700.3514467.27  700.4414659.96  721.86
14733.31     73015162.38     73015700.46  700.4915885.43  655.47 15902.5  651.26
16050.87  638.8916248.01  622.2216269.55  620.4716520.45  617.0916958.32  611.55
17071.68  610.1619430.05  610.1619649.08     62020022.14     62020425.21  590.49
20595.08  590.49 20688.2  590.3320937.85  590.1621474.37     59021481.73  588.39
21519.38     58021543.84  575.83 21575.2  570.6421606.56  565.49 21838.8  570.13
21881.47     58021959.58   599.822017.47  613.6322210.96  660.0922270.16  663.96
22545.83  681.3222619.34  686.0323437.77  739.2923712.17  739.5524126.78   730.1
24370.74  730.3324592.46  730.09 25093.2  719.7125128.83  716.5525397.14  693.02
25541.86  680.8325587.35  680.98   25635  680.9825875.88  690.8426237.01  705.44
26381.27  711.3426630.29  721.8527114.55  741.6627318.47  749.8627688.02   749.6
28057.33  739.6328112.46  738.1828809.67  720.2928875.14  720.3329882.25  720.33
30237.77  730.1631642.84  700.6632104.52  710.4932830.96  710.4933721.36  710.33
   33884  710.3334229.64  710.4534335.18  708.2734697.33  700.6635099.69  700.66
35627.13     70035632.71  699.9635776.91  651.6435933.15  600.4935957.02  602.25
36066.34  610.4236527.02  620.6436937.47  693.9837024.75  709.5137446.53  712.36
37588.96     71337642.26  713.3638010.73  716.5138478.89  719.9838769.73  720.16
   39231  720.2339595.54  739.9639812.86  739.9939900.88  736.7340341.63  720.33
40924.49     74041259.92  728.1941572.34  717.3641695.47  713.0241762.72  710.61
41862.87  710.5542199.03  723.5942361.61     73042444.73     73043426.66  703.01
43518.31  700.4243728.62  700.2543949.94   709.944028.54  709.8444226.09  709.84
44252.39  709.8644418.14  705.37 44683.7  697.9445307.94  680.1845440.13  680.11
45653.13  692.5445766.15   699.246275.36   729.746562.83  732.3247495.16  739.98
47657.22  742.5448122.08  749.9648248.99  756.5849070.48     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521519.38     .1521881.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21519.3821881.47             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.49    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1544592.00   68669.27   1247020.00
  E.G. Slope (ft/ft)      0.000284    Area (sq ft)            1544592.00   68669.27   1247020.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4913242.00   376459.00   2713433.00
  Top Width (ft)          45306.95    Top Width (ft)          18522.35     362.09   26422.51
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.18       5.48       2.18
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.39     189.65      47.20
  Conv. Total (cfs)       475278800.0    Conv. (cfs)            291780700.0   22356620.0   161141500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18548.35     364.46   26468.43
  Min Ch El (ft)            565.49    Shear (lb/sq ft)            1.47       3.34       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.69      18.28       1.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    74697.47    3585.49   57142.94
  C & E Loss (ft)             0.00    Cum SA (acres)            898.37      19.01    1329.78


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268390.*

INPUT
Description:
Station Elevation Data    num=     174
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1234.22  760.09  1405.8     760 1912.34     760 2307.41  769.81
 2389.55  769.81 2527.26     770 2735.31     770 2824.51  769.87  3129.6  751.47
 3657.66  720.11  3914.7  710.17 4518.81  700.05 4621.59  704.31 4752.85  709.78
 5539.99  699.75 5737.03  709.51 5980.82  692.47 6019.08  689.81 6691.15  689.81
 6937.24  689.54 7190.46  668.14 7290.31  659.81 7385.32  659.81 7509.46  672.08
  7782.4  699.68 7843.33  699.81 8025.61  699.44 8081.45  699.44 8120.72  697.18
 8252.48  689.84 8332.49  689.97 8461.52   696.9 8698.29  709.41 9086.63  729.63
 9322.43  729.63 9344.68   729.6 9486.89  723.94 9598.72  719.6310458.76  712.56
10793.94  709.3211101.72  684.2911130.45  681.8111285.99  669.3911531.07  650.24
11596.08  650.3612034.95  684.3712373.22     71012880.31  719.8112888.93  720.26
13071.34  729.3813299.08  723.6813364.46  722.1313486.42  719.5513671.58     720
14041.52     72014098.57  712.3314187.54   700.414467.59   700.514660.29  721.88
14733.64     73015162.72     73015700.82  700.5615885.78  655.6415902.85  651.44
16051.23  639.0416248.38  622.2916269.92  620.5316520.82  617.12 16958.7  611.57
17072.06  610.1919430.48  610.1919649.52     62020022.59     62020425.66  590.56
20595.54  590.5620688.67  590.3720938.32  590.1921474.85     59021482.21   588.4
21519.86     58021544.45  575.8221575.97  570.6321607.49  565.4921839.48  570.14
21882.12     58021960.24  599.9222018.14  613.7122211.67   660.122270.88  663.98
22546.61  681.2422620.14  685.9423438.73  739.1923713.19  739.4824127.89  730.11
24371.91  730.3724593.67   730.125094.52  719.6725130.15  716.5125398.52  693.04
25543.27  680.9425588.77  681.1225636.43  681.1225877.36  690.9526238.56   705.5
26382.86  711.3926631.93  721.9227116.29  741.6827320.26  749.8427689.88  749.54
28059.26  739.5628114.41  738.1128811.76  720.3328877.25  720.3729884.57  720.37
30240.16  730.1931645.53  700.75 32107.3  710.5632833.89  710.5633724.49  710.37
33887.16  710.3734232.88  710.5234338.43  708.3534700.66  700.7535103.11  700.75
35630.66     70035636.23  699.9535780.47  651.5935936.74  600.5635960.61  602.32
36069.96  610.4836530.74  620.7336941.27  693.9537028.57  709.4437450.44  712.28
 37592.9  712.8737646.21  713.2338014.76  716.4738483.02  719.9738773.92  720.19
39235.29  720.26 39599.9  739.9539817.27  739.9939905.31  736.7340346.15  720.37
40929.13     74041264.63  728.2241577.12  717.4441700.28  713.1141767.54   710.7
41867.71  710.6242203.94   723.642366.55     73042449.69     73043431.83  703.08
43523.49  700.4843733.85  700.2843955.22  709.8944033.83  709.8144231.43  709.81
44257.73  709.8444423.52  705.3844689.13  697.97 45313.5   680.245445.73  680.12
45658.76  692.5145771.81  699.1546281.13  729.6646568.66  732.3147501.18  739.97
47663.28  742.5448128.23  749.9648255.17  756.5749076.83     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521519.86     .1521882.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21519.8621882.12              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.63    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.49    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1544614.00   68698.52   1246805.00
  E.G. Slope (ft/ft)      0.000284    Area (sq ft)            1544614.00   68698.52   1246805.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4913855.00   376662.10   2712616.00
  Top Width (ft)          45313.62    Top Width (ft)          18523.16     362.26   26428.20
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.18       5.48       2.18
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)            83.39     189.64      47.18
  Conv. Total (cfs)       475218400.0    Conv. (cfs)            291780000.0   22365840.0   161072600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18549.09     364.63   26474.02
  Min Ch El (ft)            565.49    Shear (lb/sq ft)             1.47       3.34       0.83
  Alpha                       1.18    Stream Power (lb/ft s)       4.69      18.29       1.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    74520.52    3577.62   57000.10
  C & E Loss (ft)             0.00    Cum SA (acres)            896.24      18.97    1326.75


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268385.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1234.25  760.1 1405.83     760 1912.39     760 2307.47  769.79
 2389.61  769.79 2527.32     770 2735.37     770 2824.57  769.86 3129.67  751.44
 3657.74  720.12 3914.79  710.19 4518.91  700.06 4621.69   704.3 4752.96  709.75
 5540.12  699.72 5737.16  709.44 5980.95  692.44 6019.21  689.79  6691.3  689.79
  6937.4  689.48 7190.62  668.09 7290.47  659.79 7385.49  659.79 7509.63  672.03
 7782.57  699.64  7843.5  699.79 8025.79  699.37 8081.63  699.37  8120.9  697.12
 8252.67  689.82 8332.68  689.97 8461.71  696.91 8698.49  709.41 9086.83  729.58
 9322.64  729.58 9344.89  729.55  9487.1  723.89 9598.94  719.5810458.99  712.53
10794.18  709.2411101.97  684.21 11130.7  681.7111286.24  669.3211531.33  650.27
11596.34   650.412035.22  684.43 12373.5     710 12880.6  719.7912889.22  720.23
13071.64   729.313299.38  723.5813364.76  722.0313486.72  719.4913671.89     720
14041.83     72014098.89  712.3514187.86  700.4514467.92  700.5614660.62   721.9
14733.97     73015163.06     73015701.17  700.6315886.14  655.8215903.21  651.62
16051.59  639.1816248.74  622.3616270.28   620.616521.19  617.1516959.08  611.59
17072.45  610.2119430.92  610.2119649.96     62020023.04     62020426.12  590.63
   20596  590.6320689.13  590.4220938.79  590.2121475.33     590 21482.7   588.4
21520.34     58021545.06  575.8121576.74  570.6221608.43  565.4921840.17  570.16
21882.75     58021960.89  600.0422018.81   613.822212.38  660.1122271.61  663.99
22547.39  681.1722620.93  685.86 23439.7  739.0923714.22  739.42   24129  730.13
24373.07  730.4224594.88  730.1125095.83  719.6325131.47  716.47 25399.9  693.05
25544.68  681.0625590.19  681.2625637.85  681.2625878.84  691.0726240.12  705.56
26384.44  711.4326633.57  721.9927118.03   741.727322.04  749.8227691.74  749.49
 28061.2  739.4928116.36  738.0428813.86  720.3728879.36  720.4229886.89  720.42
30242.56  730.2131648.22  700.8432110.09  710.6332836.84  710.6333727.61  710.42
33890.32  710.4234236.11  710.5834341.69  708.42   34704  700.8435106.53  700.84
35634.19     70035639.77  699.9535784.03  651.5435940.33  600.6335964.21  602.39
36073.59  610.5436534.46  620.8236945.08  693.92 37032.4  709.3737454.35  712.21
37596.84  712.7437650.16   713.138018.79  716.4338487.15  719.9738778.11  720.21
39239.57   720.339604.26  739.9439821.67  739.9839909.74  736.7440350.67  720.42
40933.77     74041269.35  728.25 41581.9  717.5141705.08   713.241772.36  710.79
41872.55   710.742208.84  723.6242371.49     73042454.65     730   43437  703.14
43528.68  700.5443739.08  700.32 43960.5  709.8744039.12  709.7944236.77  709.79
44263.07  709.8244428.89  705.3944694.57     69845319.07  680.2345451.32  680.14
 45664.4  692.4845777.47  699.1146286.89  729.6246574.48  732.31 47507.2  739.97
47669.34  742.5348134.39  749.9548261.35  756.5549083.18     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521520.34     .1521882.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      21520.3421882.75             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.48    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1544664.00   68722.88   1246540.00
  E.G. Slope (ft/ft)      0.000284    Area (sq ft)            1544664.00   68722.88   1246540.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4914669.00   376838.20   2711626.00
  Top Width (ft)          45320.40    Top Width (ft)          18523.90     362.41   26434.09
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.18       5.48       2.18
  Max Chl Dpth (ft)         193.99    Hydr. Depth (ft)           83.39     189.63      47.16
  Conv. Total (cfs)       475153900.0    Conv. (cfs)            291788700.0   22373260.0   160991900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18549.76     364.77   26479.80
  Min Ch El (ft)            565.49    Shear (lb/sq ft)            1.47       3.34       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.69      18.30       1.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    74343.58    3569.75   56857.29
  C & E Loss (ft)             0.00    Cum SA (acres)            894.12      18.92    1323.73


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268380.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1234.28  760.11 1405.86     760 1912.43     760 2307.52  769.77
 2389.66  769.77 2527.37     770 2735.43     770 2824.63  769.84 3129.74  751.42
 3657.82  720.14 3914.88  710.21 4519.01  700.06  4621.8  704.29 4753.07  709.72
 5540.24  699.68 5737.29  709.38 5981.09  692.42 6019.35  689.77 6691.45  689.77
 6937.56  689.42 7190.78  668.05 7290.63  659.77 7385.66  659.77  7509.8  671.98
 7782.74  699.59 7843.68  699.77 8025.97   699.3 8081.81   699.3 8121.08  697.06
 8252.85   689.8 8332.87  689.97  8461.9  696.92 8698.69  709.42 9087.04  729.53
 9322.85  729.53 9345.09   729.5 9487.31  723.83 9599.15  719.5310459.23   712.5
10794.42  709.1611102.22  684.1311130.95  681.6111286.49  669.2511531.58   650.3
 11596.6  650.4412035.49   684.512373.77     71012880.89  719.7712889.51  720.21
13071.93  729.2213299.68  723.4713365.06  721.9313487.02  719.4413672.19     720
14042.15     720 14099.2  712.3714188.18  700.5114468.24  700.6214660.95  721.92
 14734.3     730 15163.4     73015701.52   700.715886.49     65615903.57   651.8
16051.95  639.33 16249.1  622.4216270.65  620.6716521.56  617.1816959.46  611.61
17072.83  610.2319431.36  610.23 19650.4     62020023.49     62020426.58   590.7
20596.46   590.7 20689.6  590.4720939.26  590.2321475.81     59021483.18   588.4
21520.82     58021545.67  575.7921577.52  570.6121609.37  565.4821840.86  570.18
21883.39     58021961.55  600.1622019.47  613.8922213.09  660.1222272.33     664
22548.17  681.0922621.72  685.7723440.66  738.9923715.24  739.3524130.11  730.14
24374.23  730.4724596.09  730.1325097.14  719.5925132.79  716.4325401.28  693.07
25546.09  681.1825591.61  681.4125639.28  681.4125880.32  691.1926241.67  705.62
26386.03  711.47 26635.2  722.0627119.77  741.7227323.82   749.8 27693.6  749.43
28063.14  739.4228118.31  737.9828815.96  720.4128881.46  720.4729889.21  720.47
30244.96  730.2331650.91  700.9432112.88   710.732839.78   710.733730.74  710.47
33893.48  710.4734239.34  710.6534344.95   708.534707.33  700.9435109.95  700.94
35637.71     70035643.29  699.9435787.59  651.4935943.93   600.735967.81  602.45
36077.21   610.636538.18  620.9136948.88  693.8837036.22   709.337458.26  712.13
37600.78  712.6237654.11  712.9838022.82  716.3938491.28  719.96 38782.3  720.23
39243.86  720.3339608.62  739.9439826.08  739.9839914.16  736.7540355.19  720.47
40938.41     74041274.06  728.2841586.68  717.5941709.88  713.2941777.18  710.87
41877.39  710.7842213.75  723.6342376.44     73042459.61     73043442.16   703.2
43533.87   700.643744.31  700.3543965.77  709.8644044.42  709.77 44242.1  709.77
44268.41   709.844434.27   705.4   44700  698.0345324.63  680.2545456.91  680.15
45670.04  692.4545783.13  699.0646292.66  729.5846580.31   732.347513.23  739.97
47675.39  742.5248140.54  749.9548267.53  756.5349089.54     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521520.82     .1521883.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21520.8221883.39             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.48    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1544702.00   68750.60   1246277.00
  E.G. Slope (ft/ft)      0.000284    Area (sq ft)            1544702.00   68750.60   1246277.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4915439.00   377038.50   2710656.00
  Top Width (ft)          45327.16    Top Width (ft)          18524.62     362.57   26439.96
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.18       5.48       2.18
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.39     189.62      47.14
  Conv. Total (cfs)       475087900.0    Conv. (cfs)            291793900.0   22382040.0   160912000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18550.41     364.92   26485.57
  Min Ch El (ft)            565.48    Shear (lb/sq ft)            1.48       3.34       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.69      18.30       1.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    74166.63    3561.88   56714.50
  C & E Loss (ft)             0.00    Cum SA (acres)            892.00      18.88    1320.70


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268375.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1234.3  760.13 1405.89     760 1912.47     760 2307.57  769.74
 2389.72  769.74 2527.43     770 2735.49     770  2824.7  769.83 3129.81  751.39
  3657.9  720.15 3914.97  710.23 4519.11  700.07  4621.9  704.28 4753.17  709.69
 5540.37  699.65 5737.41  709.32 5981.22  692.39 6019.48  689.74  6691.6  689.74
 6937.71  689.36 7190.94  668.01  7290.8  659.74 7385.82  659.74 7509.97  671.93
 7782.92  699.55 7843.85  699.74 8026.15  699.23 8081.99  699.23 8121.27  696.99
 8253.04  689.78 8333.05  689.97 8462.09  696.92 8698.88  709.42 9087.24  729.48
 9323.06  729.48  9345.3  729.45 9487.53  723.77 9599.37  719.4810459.46  712.47
10794.66  709.0711102.47  684.05 11131.2  681.5111286.75  669.1811531.84  650.33
11596.86  650.4912035.76  684.5612374.05     71012881.18  719.74 12889.8  720.18
13072.22  729.1413299.97  723.3713365.36  721.8313487.33  719.38 13672.5     720
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14042.46     72014099.52  712.39 14188.5  700.5614468.57  700.6814661.28  721.94
14734.63     73015163.74     73015701.87  700.7715886.85  656.1815903.92  651.98
16052.31  639.4716249.47  622.4916271.01  620.7316521.93  617.2116959.84  611.63
17073.21  610.2619431.79  610.2619650.85     62020023.94     62020427.04  590.77
20596.93  590.7720690.06  590.5220939.73  590.2621476.29     59021483.66  588.41
21521.31     58021546.28  575.7821578.29  570.59 21610.3  565.4821841.54   570.2
21884.03     580 21962.2  600.2822020.14  613.9722213.79  660.1422273.05  664.02
22548.95  681.0222622.52  685.6923441.63  738.8923716.27  739.2924131.22  730.16
24375.39  730.52 24597.3  730.1425098.46  719.5525134.12  716.3925402.66  693.08
25547.49   681.325593.03  681.5525640.71  681.55 25881.8   691.326243.23  705.68
26387.61  711.5226636.84  722.12 27121.5  741.74 27325.6  749.7827695.46  749.37
28065.08  739.3528120.26  737.9128818.05  720.4528883.57  720.5229891.53  720.52
30247.35  730.26 31653.6  701.0332115.67  710.7732842.72  710.7733733.87  710.52
33896.65  710.5234242.58  710.71 34348.2  708.5734710.66  701.0335113.36  701.03
35641.25     70035646.82  699.9335791.15  651.4435947.52  600.7735971.41  602.52
36080.83  610.6636541.89  621.0136952.68  693.8537040.04  709.2337462.17  712.05
37604.72  712.4937658.06  712.8538026.85  716.35 38495.4  719.9638786.48  720.26
39248.14  720.3639612.98  739.9339830.49  739.9839918.59  736.7640359.71  720.52
40943.06     74041278.77   728.341591.45  717.6741714.69  713.38   41782  710.96
41882.23  710.8642218.66  723.6542381.38     73042464.57     73043447.33  703.27
43539.05  700.6643749.54  700.3943971.05  709.8444049.71  709.7444247.44  709.74
44273.75  709.7844439.64  705.4144705.43  698.0645330.19  680.28 45462.5  680.17
45675.67  692.4245788.79  699.0146298.43  729.5446586.14   732.347519.25  739.96
47681.45  742.52 48146.7  749.9448273.71  756.5249095.89     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521521.31     .1521884.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21521.3121884.03             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.62    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.48    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1544740.00   68774.91   1246007.00
  E.G. Slope (ft/ft)      0.000284    Area (sq ft)            1544740.00   68774.91   1246007.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4916227.00   377218.50   2709688.00
  Top Width (ft)          45333.75    Top Width (ft)          18525.37     362.72   26445.67
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.18       5.48       2.17
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.39     189.61      47.12
  Conv. Total (cfs)       475019700.0    Conv. (cfs)             291798800.0   22389510.0   160831400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18551.08     365.06   26491.16
  Min Ch El (ft)            565.48    Shear (lb/sq ft)            1.48       3.34       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.70      18.31       1.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    73989.67    3554.00   56571.75
  C & E Loss (ft)             0.00    Cum SA (acres)            889.88      18.84    1317.67


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268370.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1234.33  760.14 1405.92     760 1912.51     760 2307.62  769.72
 2389.77  769.72 2527.49     770 2735.55     770 2824.76  769.81 3129.88  751.36
 3657.98  720.16 3915.05  710.25 4519.22  700.08    4622  704.27 4753.28  709.66
 5540.49  699.62 5737.54  709.26 5981.36  692.36 6019.62  689.72 6691.75  689.72
 6937.87   689.3  7191.1  667.96 7290.96  659.72 7385.99  659.72 7510.14  671.87
 7783.09  699.51 7844.03  699.72 8026.33  699.16 8082.17  699.16 8121.45  696.93
 8253.22  689.76 8333.24  689.96 8462.28  696.93 8699.08  709.42 9087.44  729.44
 9323.27  729.44 9345.51   729.4 9487.74  723.72 9599.58  719.44 10459.7  712.44
 10794.9  708.9911102.71  683.9711131.45  681.41   11287  669.11 11532.1  650.36
11597.12  650.5312036.03  684.6212374.33     71012881.46  719.7212890.09  720.16
13072.52  729.0613300.27  723.2613365.66  721.7313487.63  719.3213672.81     720
14042.78     72014099.83  712.4114188.82  700.6114468.89  700.7514661.61  721.96
14734.96     73015164.08     73015702.22  700.8415887.21  656.3515904.28  652.16
16052.67  639.6216249.83  622.5516271.38   620.8 16522.3  617.2416960.22  611.65
17073.59  610.2819432.23  610.2819651.29     62020024.39     62020427.49  590.84
20597.39  590.8420690.52  590.56 20940.2  590.2821476.78     59021484.14  588.41
21521.79     58021546.89  575.7621579.06  570.5821611.24  565.4821842.23  570.21
21884.67     58021962.86   600.422020.81  614.06 22214.5  660.1522273.77  664.03
22549.73  680.9422623.31   685.6 23442.6  738.7823717.29  739.2224132.33  730.17
24376.56  730.5624598.51  730.1525099.77   719.525135.44  716.3525404.04   693.1
 25548.9  681.4225594.44  681.6925642.14  681.6925883.28  691.4226244.78  705.73
 26389.2  711.5626638.48  722.1927123.24  741.7627327.38  749.7627697.32  749.32
28067.01  739.2828122.21  737.8428820.14  720.4928885.68  720.5629893.85  720.56
30249.75  730.2831656.29  701.1232118.46  710.8432845.66  710.84   33737  710.56
33899.81  710.5634245.82  710.7834351.46  708.6534713.99  701.1235116.78  701.12
35644.77     70035650.35  699.9335794.71  651.3835951.11  600.84   35975  602.58
36084.45  610.7236545.61   621.136956.49  693.8237043.86  709.1637466.08  711.98
37608.66  712.3737662.02  712.7238030.88  716.3138499.53  719.9638790.68  720.28
39252.43   720.439617.35  739.9239834.89  739.9839923.02  736.7640364.23  720.56
 40947.7     74041283.48  728.3341596.23  717.7541719.49  713.4641786.81  711.05
41887.07  710.9442223.57  723.6642386.32     73042469.54     730 43452.5  703.33
43544.24  700.7143754.77  700.4243976.33  709.83   44055  709.7244252.77  709.72
44279.09  709.7644445.02  705.4244710.86  698.0945335.75   680.345468.09  680.19
 45681.3  692.3945794.45  698.97 46304.2  729.4946591.96  732.2947525.27  739.96
47687.51  742.5148152.85  749.9448279.89   756.549102.24     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521521.79     .1521884.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21521.7921884.67             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.62    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.48    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1544782.00   68803.12   1245801.00
  E.G. Slope (ft/ft)      0.000284    Area (sq ft)            1544782.00   68803.12   1245801.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4916870.00   377411.60   2708852.00
  Top Width (ft)          45340.60    Top Width (ft)          18526.18     362.88   26451.54
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.18       5.49       2.17
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  Max Chl Dpth (ft)          194.00    Hydr. Depth (ft)           83.38     189.60      47.10
  Conv. Total (cfs)        474966300.0    Conv. (cfs)            291804100.0   22398450.0   160763700.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18551.83     365.22   26496.94
  Min Ch El (ft)             565.48    Shear (lb/sq ft)            1.48       3.34       0.83
  Alpha                        1.18    Stream Power (lb/ft s)      4.70      18.32       1.81
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    73812.71    3546.12   56429.03
  C & E Loss (ft)              0.00    Cum SA (acres)            887.75      18.80    1314.64


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268365.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1234.36  760.15 1405.95     760 1912.56     760 2307.67   769.7
 2389.82   769.7 2527.54     770 2735.61     770 2824.82  769.79 3129.95  751.33
 3658.07  720.18 3915.14  710.27 4519.32  700.08 4622.11  704.26 4753.39  709.64
 5540.61  699.59 5737.67   709.2 5981.49  692.33 6019.75   689.7  6691.9   689.7
 6938.02  689.25 7191.26  667.92 7291.12   659.7 7386.15   659.7  7510.3  671.82
 7783.27  699.47 7844.21   699.7 8026.51  699.09 8082.35  699.09 8121.63  696.86
 8253.41  689.74 8333.43  689.96 8462.47  696.94 8699.27  709.42 9087.65  729.39
 9323.48  729.39 9345.72  729.35 9487.95  723.66  9599.8  719.3910459.93  712.41
10795.15   708.911102.96  683.88 11131.7  681.3111287.25  669.0411532.36  650.39
11597.38  650.58 12036.3  684.6812374.61     71012881.75   719.712890.38  720.13
13072.81  728.9813300.57  723.1613365.96  721.6313487.93  719.2713673.11     720
14043.09     72014100.15  712.4214189.13  700.6614469.22  700.8114661.94  721.98
14735.29     73015164.42     73015702.58  700.9115887.56  656.5315904.63  652.34
16053.03  639.76 16250.2  622.6216271.74  620.8716522.67  617.27 16960.6  611.67
17073.97   610.319432.66   610.319651.73     62020024.84     62020427.95  590.91
20597.85  590.9120690.99  590.6120940.67   590.321477.26     59021484.62  588.41
21522.27     580 21547.5  575.7521579.84  570.5721612.18  565.4821842.91  570.23
21885.31     58021963.52  600.5222021.48  614.1522215.21  660.1622274.49  664.05
22550.51  680.8722624.11  685.5223443.56  738.6823718.31  739.1624133.45  730.18
24377.72  730.6124599.72  730.1625101.09  719.4625136.76  716.3125405.41  693.12
25550.31  681.5425595.86  681.8325643.57  681.8325884.76  691.5426246.34  705.79
26390.78  711.6126640.12  722.2627124.98  741.7827329.17  749.7427699.18  749.26
28068.95  739.2128124.15  737.7828822.24  720.5328887.79  720.6129896.17  720.61
30252.14   730.331658.98  701.2232121.24  710.91 32848.6  710.9133740.12  710.61
33902.97  710.6134249.05  710.8434354.71  708.7334717.33  701.22 35120.2  701.22
 35648.3     70035653.88  699.9235798.27  651.33 35954.7  600.91 35978.6  602.65
36088.07  610.7836549.32  621.1936960.29  693.7837047.69  709.09   37470   711.9
 37612.6  712.2437665.96  712.5938034.91  716.2738503.66  719.9538794.86   720.3
39256.71  720.4339621.71  739.92 39839.3  739.9839927.44  736.7740368.75  720.61
40952.34     740 41288.2  728.3641601.01  717.8241724.29  713.5541791.63  711.14
41891.91  711.0242228.48  723.6842391.27     730 42474.5     73043457.66   703.4
43549.43  700.77   43760  700.4643981.61  709.81 44060.3   709.744258.11   709.7
44284.43  709.74 44450.4  705.4344716.29  698.1145341.32  680.3345473.68   680.2
45686.94  692.3645800.11  698.9246309.96  729.4546597.79  732.2847531.29  739.95
47693.56  742.5148159.01  749.9348286.07  756.49 49108.6     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521522.27     .1521885.31     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21522.2721885.31             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.48    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                       Flow Area (sq ft)       1544824.00   68829.22   1245532.00
  E.G. Slope (ft/ft)       0.000284    Area (sq ft)            1544824.00   68829.22   1245532.00
  Q Total (cfs)            8003133.00    Flow (cfs)             4917655.00   377599.30   2707879.00
  Top Width (ft)           45347.28    Top Width (ft)          18527.00     363.04   26457.24
  Vel Total (ft/s)             2.80    Avg. Vel. (ft/s)            3.18       5.49       2.17
  Max Chl Dpth (ft)          194.00    Hydr. Depth (ft)           83.38     189.59      47.08
  Conv. Total (cfs)        474899200.0    Conv. (cfs)            291809500.0   22406430.0   160683300.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18552.57     365.37   26502.53
  Min Ch El (ft)             565.48    Shear (lb/sq ft)            1.48       3.34       0.83
  Alpha                        1.18    Stream Power (lb/ft s)      4.70      18.32       1.81
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    73635.75    3538.24   56286.34
  C & E Loss (ft)              0.00    Cum SA (acres)            885.63      18.76    1311.61


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268360.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1234.39  760.16 1405.98     760  1912.6     760 2307.72  769.67
 2389.88  769.67  2527.6     770 2735.67     770 2824.89  769.78 3130.02  751.31
 3658.15  720.19 3915.23  710.29 4519.42  700.09 4622.21  704.25 4753.49  709.61
 5540.74  699.56  5737.8  709.13 5981.62   692.3 6019.89  689.67 6692.05  689.67
 6938.18  689.19 7191.43  667.88 7291.29  659.67 7386.32  659.67 7510.47  671.77
 7783.44  699.43 7844.38  699.67 8026.69  699.02 8082.54  699.02 8121.81   696.8
 8253.59  689.72 8333.62  689.96 8462.66  696.95 8699.47  709.42 9087.85  729.34
 9323.69  729.34 9345.93   729.3 9488.16   723.6 9600.01  719.3410460.17  712.38
10795.39  708.8211103.21   683.811131.95  681.2111287.51  668.9711532.62  650.42
11597.64  650.6212036.57  684.7412374.88     71012882.04  719.6712890.67  720.11
 13073.1  728.9113300.87  723.0513366.26  721.5313488.23  719.2113673.42     720
14043.41     72014100.47  712.4414189.45  700.7114469.54  700.8714662.26     722
14735.62     73015164.76     73015702.93  700.9815887.92  656.7115904.99  652.52
16053.39  639.9116250.56  622.6916272.11  620.9316523.04   617.316960.98  611.69
17074.36  610.33 19433.1  610.3319652.17     62020025.29     62020428.41  590.98
20598.31  590.9820691.45  590.6620941.14  590.3321477.74     590 21485.1  588.42
21522.75     58021548.11  575.7421580.61  570.5621613.12  565.48 21843.6  570.25
21885.95     58021964.17  600.6422022.15  614.2322215.92  660.1722275.21  664.06
22551.29  680.79 22624.9  685.4323444.53  738.5823719.34  739.0924134.56   730.2
24378.88  730.6624600.93  730.18 25102.4  719.4225138.08  716.2725406.79  693.13
25551.72  681.6525597.28  681.9725644.99  681.9725886.24  691.6626247.89  705.85
26392.37  711.6526641.75  722.3227126.72   741.827330.95  749.7227701.04   749.2
28070.89  739.13 28126.1  737.7128824.34  720.57 28889.9  720.6629898.49  720.66
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30254.54  730.3331661.67  701.3132124.03  710.9832851.54  710.9833743.25  710.66
33906.13  710.6634252.29  710.9134357.97   708.834720.66  701.3135123.61  701.31
35651.83     70035657.41  699.9135801.83  651.28 35958.3  600.98 35982.2  602.72
36091.69  610.8436553.04  621.2836964.09  693.7537051.51  709.0237473.91  711.82
37616.54  712.1137669.92  712.4738038.94  716.2338507.79  719.9538799.05  720.33
   39261  720.4639626.07  739.9139843.71  739.9739931.87  736.7840373.27  720.66
40956.98     74041292.91  728.3941605.79   717.9 41729.1  713.6441796.45  711.22
41896.74  711.0942233.39  723.6942396.21     73042479.46     73043462.83  703.46
43554.61  700.8343765.23  700.4943986.88   709.844065.59  709.6744263.44  709.67
44289.77  709.7244455.77  705.4444721.72  698.1445346.88  680.3545479.27  680.22
45692.57  692.3345805.77  698.8846315.73  729.4146603.62  732.2847537.32  739.95
47699.62   742.548165.16  749.9348292.26  756.4749114.95     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521522.75     .1521885.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21522.7521885.95             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.48    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1544851.00   68855.09   1245280.00
  E.G. Slope (ft/ft)      0.000284    Area (sq ft)            1544851.00   68855.09   1245280.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4918394.00   377786.20   2706953.00
  Top Width (ft)          45353.97    Top Width (ft)          18527.64     363.20   26463.13
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.18       5.49       2.17
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.38     189.58      47.06
  Conv. Total (cfs)       474832000.0    Conv. (cfs)            291812000.0   22414340.0   160605600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18553.14     365.52   26508.32
  Min Ch El (ft)            565.48    Shear (lb/sq ft)            1.48       3.34       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.70      18.33       1.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    73458.78    3530.35   56143.67
  C & E Loss (ft)             0.00    Cum SA (acres)            883.51      18.72    1308.58


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268355.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1234.42  760.17 1406.02     760 1912.64     760 2307.78  769.65
 2389.93  769.65 2527.66     770 2735.74     770 2824.95  769.76 3130.09  751.28
 3658.23  720.21 3915.32  710.31 4519.52   700.1 4622.31  704.24  4753.6  709.58
 5540.86  699.53 5737.93  709.07 5981.76  692.27 6020.02  689.65  6692.2  689.65
 6938.33  689.13 7191.59  667.83 7291.45  659.65 7386.48  659.65 7510.64  671.71
 7783.62  699.39 7844.56  699.65 8026.87  698.95 8082.72  698.95    8122  696.73
 8253.78   689.7  8333.8  689.95 8462.85  696.95 8699.66  709.42 9088.06   729.3
  9323.9   729.3 9346.14  729.25 9488.38  723.54 9600.23   719.3 10460.4  712.35
10795.63  708.7311103.46  683.72 11132.2  681.1111287.76   668.911532.88  650.45
 11597.9  650.6712036.84   684.812375.16     71012882.33  719.6512890.95  720.08
 13073.4  728.8313301.17  722.9513366.56  721.4313488.54  719.1513673.73     720
14043.72     72014100.78  712.4614189.77  700.7614469.87  700.9314662.59  722.02
14735.95     730 15165.1     73015703.28  701.0515888.27  656.8915905.35   652.7
16053.75  640.0616250.93  622.7516272.47     62116523.41  617.3316961.37  611.71
17074.74  610.3519433.53  610.3519652.61     62020025.73     62020428.87  591.05
20598.77  591.0520691.91   590.720941.61  590.3521478.22     59021485.59  588.42
21523.24     58021548.72  575.7221581.38  570.5521614.05  565.4821844.28  570.27
21886.59     58021964.83  600.7622022.81  614.3222216.63  660.1922275.93  664.08
22552.06  680.72 22625.7  685.34 23445.5  738.4823720.36  739.0324135.67  730.21
24380.04   730.724602.14  730.1925103.71  719.38 25139.4  716.2325408.17  693.15
25553.13  681.77 25598.7  682.1125646.42  682.1125887.72  691.7726249.45  705.91
26393.95   711.726643.39  722.3927128.46  741.8227332.73   749.727702.89  749.15
28072.83  739.0628128.05  737.6428826.43  720.6128892.01   720.729900.81   720.7
30256.93  730.3531664.36  701.4132126.82  711.0532854.48  711.0533746.38   710.7
 33909.3   710.734255.52  710.9734361.23  708.8834723.99  701.4135127.03  701.41
35655.36     70035660.94  699.9135805.39  651.2335961.89  601.05 35985.8  602.78
36095.31   610.936556.76  621.37 36967.9  693.7237055.33  708.9537477.82  711.74
37620.48  711.9937673.87  712.3438042.96  716.1938511.91  719.9538803.24  720.35
39265.29  720.4939630.43  739.9139848.12  739.97 39936.3  736.7940377.79   720.7
40961.62     74041297.62  728.4241610.57  717.98 41733.9  713.7341801.27  711.31
41901.58  711.17 42238.3  723.7142401.16     73042484.42     730   43468  703.52
 43559.8  700.8943770.46  700.5343992.16  709.7944070.89  709.6544268.78  709.65
44295.11   709.744461.15  705.4544727.16  698.1745352.44  680.3845484.86  680.23
45698.21   692.345811.43  698.8346321.49  729.3746609.44  732.2747543.34  739.95
47705.68  742.4948171.32  749.9248298.44  756.46 49121.3     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521523.24     .1521886.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21523.2421886.59             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.47    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1544897.00   68879.75   1245032.00
  E.G. Slope (ft/ft)      0.000284    Area (sq ft)            1544897.00   68879.75   1245032.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4919144.00   377963.20   2706026.00
  Top Width (ft)          45360.64    Top Width (ft)          18528.46     363.35   26468.83
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.18       5.49       2.17
  Max Chl Dpth (ft)         193.99    Hydr. Depth (ft)           83.38     189.57      47.04
  Conv. Total (cfs)       474770000.0    Conv. (cfs)            291818500.0   22421920.0   160529600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18553.90     365.66   26513.91
  Min Ch El (ft)            565.48    Shear (lb/sq ft)            1.48       3.34       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.70      18.34       1.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    73281.81    3522.46   56001.03
  C & E Loss (ft)             0.00    Cum SA (acres)            881.39      18.67    1305.54


CROSS SECTION
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RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268350.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1234.44  760.18 1406.05     760 1912.69     760 2307.83  769.63
  2389.98  769.63 2527.71     770  2735.8     770 2825.01  769.75 3130.16  751.25
  3658.31  720.22  3915.4  710.34 4519.62   700.1 4622.42  704.23  4753.7  709.55
  5540.99  699.49 5738.06  709.01 5981.89  692.24 6020.16  689.63 6692.35  689.63
  6938.49  689.07 7191.75  667.79 7291.61  659.63 7386.65  659.63 7510.81  671.66
  7783.79  699.35 7844.73  699.63 8027.05  698.88  8082.9  698.88 8122.18  696.67
  8253.96  689.69 8333.99  689.95 8463.04  696.96 8699.86  709.42 9088.26  729.25
   9324.1  729.25 9346.35   729.2 9488.59  723.49 9600.44  719.2510460.63  712.32
 10795.87  708.6511103.71  683.6411132.45  681.0111288.01  668.8311533.14  650.48
 11598.16  650.7112037.11  684.8612375.44     71012882.62  719.6312891.24  720.06
 13073.69  728.7513301.46  722.8513366.86  721.3313488.84   719.113674.03     720
 14044.04      720 14101.1  712.4814190.09  700.8114470.19     70114662.92  722.04
 14736.29     73015165.44     73015703.63  701.1215888.63  657.06 15905.7  652.88
 16054.11   640.216251.29  622.8216272.84  621.0616523.78  617.3616961.74  611.73
 17075.12  610.3719433.97  610.3719653.05     62020026.18     62020429.33  591.12
 20599.23  591.1220692.38  590.7520942.08  590.37 21478.7  590.0121486.07  588.43
 21523.72     58021549.33  575.7121582.16  570.5421614.99  565.4721844.97  570.29
 21887.23     58021965.48  600.8822023.48  614.4122217.34   660.222276.65  664.09
 22552.84  680.6422626.49  685.2623446.46  738.3823721.38  738.9724136.78  730.23
 24381.21  730.7524603.35   730.225105.03  719.3425140.72  716.1925409.55  693.17
 25554.54  681.8925600.12  682.2525647.85  682.25 25889.2  691.89   26251  705.97
 26395.54  711.7426645.03  722.46 27130.2  741.8427334.51  749.6827704.76  749.09
 28074.76  738.99   28130  737.5728828.53  720.6528894.12  720.7529903.13  720.75
 30259.33  730.3731667.05   701.532129.61  711.1232857.42  711.1233749.51  710.75
 33912.46  710.7534258.75  711.0434364.49  708.9534727.32   701.535130.45   701.5
 35658.89     70035664.47   699.935808.95  651.1835965.48  601.1235989.39  602.85
 36098.93  610.9636560.48  621.46 36971.7  693.6837059.15  708.8837481.73  711.67
 37624.43  711.8637677.82  712.21   38047  716.1538516.04  719.9438807.43  720.37
 39269.57  720.53 39634.8   739.939852.53  739.9739940.72   736.8 40382.3  720.75
 40966.27     74041302.33  728.4441615.34  718.0641738.71  713.8241806.09   711.4
 41906.42  711.2542243.21  723.72 42406.1     73042489.38     73043473.17  703.59
 43564.99  700.95 43775.7  700.5643997.44  709.7744076.18  709.6344274.11  709.63
 44300.46  709.6844466.52  705.4744732.59   698.2   45358   680.445490.45  680.25
 45703.85  692.2745817.09  698.7946327.26  729.3246615.27  732.2747549.36  739.94
 47711.73  742.4948177.47  749.9248304.62  756.4449127.66     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1521523.72     .1521887.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21523.7221887.23             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.47    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1544940.00   68907.29   1244775.00
  E.G. Slope (ft/ft)      0.000284    Area (sq ft)            1544940.00   68907.29   1244775.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4919910.00   378159.30   2705064.00
  Top Width (ft)          45367.41    Top Width (ft)          18529.20     363.51   26474.70
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.18       5.49       2.17
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.38     189.56      47.02
  Conv. Total (cfs)       474707200.0    Conv. (cfs)            291825200.0   22430580.0   160451300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18554.57     365.81   26519.68
  Min Ch El (ft)            565.47    Shear (lb/sq ft)            1.48       3.34       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.71      18.34       1.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    73104.84    3514.57   55858.42
  C & E Loss (ft)             0.00    Cum SA (acres)            879.27      18.63    1302.51


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268345.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1234.47  760.19 1406.08     760 1912.73     760 2307.88   769.6
  2390.04   769.6 2527.77     770 2735.86     770 2825.08  769.73 3130.23  751.22
  3658.39  720.23 3915.49  710.36 4519.72  700.11 4622.52  704.22 4753.81  709.52
  5541.11  699.46 5738.19  708.95 5982.03  692.21 6020.29   689.6  6692.5   689.6
  6938.64  689.01 7191.91  667.75 7291.78   659.6 7386.81   659.6 7510.98  671.61
  7783.97  699.31 7844.91   699.6 8027.23  698.81 8083.08  698.81 8122.36   696.6
  8254.15  689.67 8334.18  689.95 8463.23  696.97 8700.05  709.43 9088.46   729.2
  9324.31   729.2 9346.56  729.15  9488.8  723.43 9600.66   719.210460.87  712.29
 10796.11  708.5611103.96  683.56 11132.7  680.9111288.26  668.7611533.39  650.51
 11598.42  650.7612037.38  684.9212375.72     71012882.91   719.612891.53  720.04
 13073.98  728.6713301.76  722.7413367.16  721.2313489.14  719.0413674.34     720
 14044.35     72014101.41   712.514190.41  700.8614470.51  701.0614663.25  722.06
 14736.62     73015165.78    73015703.98  701.1915888.99  657.2415906.06  653.06
 16054.47  640.3516251.65  622.88 16273.2  621.1316524.15  617.3916962.12  611.76
 17075.51   610.4 19434.4   610.419653.49     62020026.63     62020429.79  591.19
  20599.7  591.1920692.84   590.820942.55   590.421479.18  590.0121486.55  588.43
  21524.2     58021549.94   575.721582.93  570.5321615.93  565.4721845.65   570.3
 21887.87     58021966.14    60122024.15  614.4922218.05  660.2122277.38  664.11
 22553.62  680.5722627.29  685.1723447.43  738.2823722.41   738.924137.89  730.24
 24382.37   730.824604.55  730.2125106.34   719.325142.05  716.1525410.93  693.18
 25555.95  682.0125601.54  682.3925649.28  682.3925890.67  692.0126252.55  706.03
 26397.12  711.7926646.67  722.5227131.94  741.8627336.29  749.6627706.62  749.03
  28076.7  738.9228131.95  737.5128830.62  720.6928896.23   720.829905.46   720.8
 30261.72   730.431669.74  701.5932132.39  711.1932860.36  711.1933752.64   710.8
 33915.62   710.834261.99   711.134367.74  709.0334730.66  701.5935133.87  701.59
 35662.41      700   35668   699.935812.51  651.1335969.07  601.1935992.99  602.91
 36102.55  611.02 36564.2  621.56 36975.5  693.6537062.97  708.8137485.64  711.59
 37628.36  711.7337681.77  712.0938051.02  716.1138520.17  719.9438811.62   720.4
 39273.86  720.5639639.16  739.8939856.93  739.9739945.15   736.840386.82   720.8
 40970.91     74041307.04  728.4741620.12  718.1341743.51   713.9 41810.9  711.49
 41911.26  711.3342248.12  723.7442411.04     73042494.34     73043478.34  703.65
 43570.18  701.0143780.93   700.644002.71  709.7644081.47   709.644279.45   709.6
  44305.8  709.66 44471.9  705.4844738.02  698.2345363.57  680.4345496.04  680.26
 45709.48  692.2445822.75  698.7446333.02  729.2846621.09  732.2647555.38  739.94
 47717.79  742.4848183.62  749.91 48310.8  756.4249134.01     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21524.2     .1521887.87     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21524.221887.87             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.47    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1544968.00   68934.83   1244519.00
  E.G. Slope (ft/ft)      0.000284    Area (sq ft)            1544968.00   68934.83   1244519.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4920637.00   378360.10   2704136.00
  Top Width (ft)          45374.26    Top Width (ft)          18530.01     363.67   26480.58
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.18       5.49       2.17
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.38     189.55      47.00
  Conv. Total (cfs)       474638400.0    Conv. (cfs)            291826100.0   22439240.0   160373000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18555.31     365.97   26525.46
  Min Ch El (ft)            565.47    Shear (lb/sq ft)            1.48       3.34       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.71      18.35       1.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    72927.85    3506.68   55715.84
  C & E Loss (ft)             0.00    Cum SA (acres)            877.14      18.59    1299.48


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268340.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1234.5  760.21 1406.11     760 1912.77     760 2307.93  769.58
 2390.09  769.58 2527.83    770 2735.92     770 2825.14  769.71  3130.3   751.2
 3658.48  720.25 3915.58  710.38 4519.82  700.12 4622.62  704.21 4753.92   709.5
 5541.24  699.43 5738.31  708.89 5982.16  692.18 6020.43  689.58 6692.65  689.58
  6938.8  688.96 7192.07  667.71 7291.94  659.58 7386.98  659.58 7511.15  671.56
 7784.14  699.27 7845.08  699.58 8027.41  698.74 8083.26  698.74 8122.54  696.54
 8254.33  689.65 8334.36  689.94 8463.42  696.98 8700.25  709.43 9088.67  729.16
 9324.52  729.16 9346.77   729.1 9489.01  723.37 9600.87  719.16 10461.1  712.26
10796.36  708.4811104.21  683.4711132.94  680.8111288.52  668.6911533.65  650.54
11598.68   650.812037.65  684.9812375.99     710 12883.2  719.5812891.82  720.01
13074.27  728.5913302.06  722.6413367.46  721.1313489.44  718.9813674.64     720
14044.67     72014101.73  712.5214190.72  700.9114470.84  701.1214663.58  722.08
14736.95     73015166.12     73015704.34  701.2615889.34  657.4215906.42  653.24
16054.83  640.4916252.02  622.9516273.57   621.216524.52  617.4316962.51  611.78
17075.89  610.4219434.84  610.4219653.93     62020027.08     62020430.24  591.26
20600.16  591.26 20693.3  590.8420943.02  590.4221479.67  590.0121487.03  588.43
21524.68     58021550.55  575.68 21583.7  570.5221616.86  565.4721846.34  570.32
21888.51     58021966.79  601.1222024.82  614.5822218.75  660.22 22278.1  664.12
 22554.4  680.4922628.08  685.09 23448.4  738.1823723.43  738.84   24139  730.26
24383.53  730.8424605.76  730.2325107.66  719.2625143.37  716.11 25412.3   693.2
25557.36  682.1325602.95  682.5325650.71  682.5325892.15  692.1226254.11  706.08
26398.71  711.83 26648.3  722.5927133.68  741.8827338.08  749.6427708.47  748.97
28078.64  738.85 28133.9  737.4428832.72  720.7328898.34  720.8429907.78  720.84
30264.12  730.4231672.44  701.6932135.18  711.26 32863.3  711.2633755.77  710.84
33918.78  710.8434265.22  711.17   34371   709.134733.99  701.6935137.28  701.69
35665.94     70035671.53  699.8935816.07  651.0735972.67  601.2635996.59  602.98
36106.17  611.0836567.91  621.6536979.31  693.62 37066.8  708.7437489.55  711.51
 37632.3  711.6137685.73  711.9638055.05  716.07 38524.3  719.9438815.81  720.42
39278.14  720.5939643.52  739.8939861.34  739.9739949.57  736.8140391.34  720.84
40975.55     74041311.75   728.5 41624.9  718.2141748.31  713.9941815.72  711.57
 41916.1  711.4142253.03  723.7642415.98     730 42499.3     730 43483.5  703.72
43575.36  701.0743786.16  700.6344007.99  709.7444086.77  709.5844284.79  709.58
44311.14  709.6444477.28  705.4944743.45  698.2645369.13  680.4545501.63  680.28
45715.12  692.21 45828.4  698.6946338.79  729.2446626.92  732.2647561.41  739.94
47723.85  742.4848189.78  749.9148316.98  756.4149140.37     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521524.68     .1521888.51     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21524.6821888.51             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.61    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.47    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1544992.00   68961.39   1244262.00
  E.G. Slope (ft/ft)      0.000284    Area (sq ft)            1544992.00   68961.39   1244262.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4921363.00   378553.30   2703217.00
  Top Width (ft)          45380.84    Top Width (ft)          18530.73     363.83   26486.28
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.19       5.49       2.17
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.37     189.54      46.98
  Conv. Total (cfs)       474569400.0    Conv. (cfs)            291826800.0   22447430.0   160295200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18555.96     366.12   26531.06
  Min Ch El (ft)            565.47    Shear (lb/sq ft)            1.48       3.34       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.71      18.36       1.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    72750.87    3498.78   55573.29
  C & E Loss (ft)             0.00    Cum SA (acres)            875.02      18.55    1296.45


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268335.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1234.53  760.22 1406.14     760 1912.81     760 2307.98  769.56
 2390.14  769.56 2527.88    770 2735.98     770  2825.2   769.7 3130.37  751.17
 3658.56  720.26 3915.67   710.4 4519.92  700.12 4622.73   704.2 4754.02  709.47
 5541.36   699.4 5738.44  708.82  5982.3  692.15 6020.56  689.56  6692.8  689.56
 6938.96   688.9 7192.23  667.66 7292.11  659.56 7387.15  659.56 7511.31   671.5
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 7784.31  699.23 7845.26  699.56 8027.59  698.67 8083.44  698.67 8122.72  696.47
 8254.51  689.63 8334.55  689.94 8463.61  696.98 8700.44  709.43 9088.87  729.11
 9324.73  729.11 9346.98  729.05 9489.23  723.32 9601.09  719.1110461.34  712.23
 10796.6   708.411104.46  683.3911133.19  680.7111288.77  668.6211533.91  650.57
11598.94  650.8412037.92  685.0512376.27     71012883.49  719.5612892.11  719.99
13074.57  728.5213302.36  722.5313367.76  721.0313489.74  718.9313674.95     720
14044.98     72014102.05  712.5314191.04  700.9614471.16  701.1814663.91   722.1
14737.28     73015166.46     73015704.69  701.33 15889.7   657.615906.77  653.42
16055.19  640.6416252.38  623.0216273.93  621.2616524.89  617.4616962.88   611.8
17076.27  610.4419435.28  610.4419654.37     62020027.53     620 20430.7  591.33
20600.62  591.3320693.77  590.8920943.48  590.4421480.15  590.0121487.51  588.44
21525.17     58021551.16  575.6721584.48  570.51 21617.8  565.4721847.03  570.34
21889.15     58021967.45  601.2422025.49  614.6722219.46  660.2422278.82  664.13
22555.18  680.4222628.88     68523449.36  738.0723724.46  738.7724140.11  730.27
 24384.7  730.8924606.97  730.2425108.97  719.2125144.69  716.0825413.68  693.22
25558.76  682.2425604.37  682.6725652.14  682.6725893.63  692.2426255.67  706.14
26400.29  711.8726649.94  722.6627135.42   741.927339.86  749.6127710.33  748.92
28080.57  738.7828135.85  737.3728834.81  720.7828900.45  720.89 29910.1  720.89
30266.52  730.4431675.13  701.7832137.97  711.3332866.24  711.3333758.89  710.89
33921.94  710.8934268.46  711.2334374.26  709.1834737.32  701.78 35140.7  701.78
35669.47     70035675.06  699.8835819.63  651.0235976.26  601.3336000.19  603.05
36109.79  611.1436571.63  621.7436983.11  693.5837070.62  708.6737493.46  711.44
37636.25  711.4837689.68  711.8338059.08  716.0338528.43  719.93   38820  720.44
39282.43  720.6339647.88  739.8839865.75  739.97   39954  736.8240395.86  720.89
40980.19     74041316.47  728.5341629.68  718.2941753.12  714.0841820.54  711.66
41920.94  711.4842257.94  723.7742420.93     73042504.26     73043488.67  703.78
43580.55  701.1343791.39  700.6744013.27  709.7344092.06  709.5644290.12  709.56
44316.48  709.6244482.65   705.544748.88  698.29 45374.7  680.4845507.22  680.29
45720.75  692.1845834.06  698.6546344.56   729.246632.75  732.2547567.43  739.93
 47729.9  742.4748195.93   749.948323.16  756.3949146.72     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521525.17     .1521889.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21525.1721889.15             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.61    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.47    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1545044.00   68985.84   1244025.00
  E.G. Slope (ft/ft)      0.000284    Area (sq ft)            1545044.00   68985.84   1244025.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4922115.00   378724.50   2702294.00
  Top Width (ft)          45387.61    Top Width (ft)          18531.47     363.98   26492.15
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.19       5.49       2.17
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.37     189.53      46.96
  Conv. Total (cfs)       474512200.0    Conv. (cfs)            291836200.0   22454880.0   160221200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18556.64     366.26   26536.83
  Min Ch El (ft)            565.47    Shear (lb/sq ft)            1.48       3.34       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.71      18.36       1.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    72573.88    3490.88   55430.77
  C & E Loss (ft)             0.00    Cum SA (acres)            872.90      18.51    1293.41


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268330.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1234.55  760.23 1406.17     760 1912.86     760 2308.03  769.53
  2390.2  769.53 2527.94     770 2736.04     770 2825.27  769.68 3130.44  751.14
 3658.64  720.27 3915.76  710.42 4520.03  700.13 4622.83  704.19 4754.13  709.44
 5541.48  699.37 5738.57  708.76 5982.43  692.12  6020.7  689.53 6692.95  689.53
 6939.11  688.84 7192.39  667.62 7292.27  659.53 7387.31  659.53 7511.48  671.45
 7784.49  699.19 7845.44  699.53 8027.77  698.59 8083.62  698.59 8122.91  696.41
  8254.7  689.61 8334.74  689.94  8463.8  696.99 8700.64  709.43 9089.07  729.06
 9324.94  729.06 9347.19     729 9489.44  723.26  9601.3  719.0610461.57   712.2
10796.84  708.3111104.71  683.3111133.44  680.6111289.02  668.5511534.17   650.6
 11599.2  650.8912038.19  685.1112376.55     71012883.78  719.53 12892.4  719.96
13074.86  728.4413302.66  722.4313368.06  720.9313490.05  718.8713675.26     720
 14045.3     72014102.36  712.5514191.36  701.0114471.49  701.2414664.24  722.12
14737.61     730 15166.8     73015705.04  701.4115890.06  657.7715907.13   653.6
16055.55  640.7816252.75  623.0816274.29  621.3316525.26  617.4916963.27  611.82
17076.65  610.4719435.71  610.4719654.81     62020027.98     62020431.16  591.41
20601.08  591.4120694.23  590.9420943.96  590.4721480.63  590.0121487.99  588.44
21525.65     58021551.77  575.6521585.25  570.4921618.74  565.4721847.71  570.36
21889.79     58021968.11  601.3522026.15  614.7522220.17  660.2522279.54  664.15
22555.96  680.3522629.67  684.9123450.33  737.9723725.48  738.7124141.22  730.28
24385.86  730.9424608.18  730.2525110.29  719.1725146.01  716.0425415.06  693.23
25560.17  682.3625605.79  682.8125653.56  682.8125895.11  692.3626257.22   706.2
26401.88  711.9226651.58  722.7327137.16  741.9227341.64  749.5927712.19  748.86
28082.51  738.71 28137.8  737.3128836.91  720.8228902.56  720.9429912.42  720.94
30268.91  730.4731677.82  701.8732140.76  711.4132869.18  711.4133762.02  710.94
33925.11  710.9434271.69   711.334377.51  709.2534740.66  701.8735144.12  701.87
   35673     70035678.59  699.8835823.19  650.9735979.85  601.4136003.79  603.11
36113.41   611.236575.35  621.8336986.92  693.5537074.44  708.5937497.37  711.36
37640.19  711.3637693.63  711.7138063.11  715.9938532.55  719.9338824.18  720.47
39286.71  720.6639652.25  739.8739870.16  739.9639958.43  736.8340400.38  720.94
40984.83     74041321.18  728.5641634.45  718.3741757.92  714.1741825.36  711.75
41925.78  711.5642262.85  723.7942425.87     73042509.22     73043493.84  703.85
43585.73  701.1943796.62   700.744018.55  709.7244097.36  709.5344295.46  709.53
44321.82   709.644488.03  705.5144754.31  698.3245380.26   680.545512.81  680.31
45726.39  692.1545839.72   698.646350.32  729.1546638.57  732.2547573.45  739.93
47735.96  742.4648202.09   749.948329.34  756.3849153.07     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521525.65     .1521889.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21525.6521889.79             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.61    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                  0.150      0.150      0.150
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  W.S. Elev (ft)            759.47    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1545073.00   69012.36   1243743.00
  E.G. Slope (ft/ft)      0.000285    Area (sq ft)            1545073.00   69012.36   1243743.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4922901.00   378922.30   2701310.00
  Top Width (ft)          45394.27    Top Width (ft)          18532.28     364.14   26497.86
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.19       5.49       2.17
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.37     189.52      46.94
  Conv. Total (cfs)       474438800.0    Conv. (cfs)            291837600.0   22463130.0   160138100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18557.38     366.41   26542.43
  Min Ch El (ft)            565.47    Shear (lb/sq ft)            1.48       3.35       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.71      18.37       1.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    72396.88    3482.97   55288.27
  C & E Loss (ft)             0.00    Cum SA (acres)            870.77      18.47    1290.38


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268325.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1234.58  760.24  1406.2     760  1912.9     760 2308.09  769.51
 2390.25  769.51    2528     770  2736.1     770 2825.33  769.67 3130.52  751.12
 3658.72  720.29 3915.84  710.44 4520.13  700.14 4622.94  704.18 4754.24  709.41
 5541.61  699.34  5738.7   708.7 5982.56  692.09 6020.83  689.51  6693.1  689.51
 6939.27  688.78 7192.55  667.58 7292.43  659.51 7387.48  659.51 7511.65   671.4
 7784.66  699.15 7845.61  699.51 8027.95  698.52  8083.8  698.52 8123.09  696.34
 8254.88  689.59 8334.92  689.93 8463.99     697 8700.83  709.43 9089.28  729.02
 9325.15  729.02  9347.4  728.95 9489.65   723.2 9601.52  719.0210461.81  712.17
10797.08  708.2311104.96  683.2311133.69  680.5111289.28  668.4811534.43  650.63
11599.46  650.9312038.46  685.1712376.83     71012884.06  719.5112892.69  719.94
13075.15  728.3613302.96  722.3213368.36  720.8313490.35  718.8113675.56     720
14045.61     72014102.68  712.5714191.68  701.0614471.81  701.3114664.56  722.14
14737.94     73015167.14     73015705.39  701.4815890.41  657.9515907.49  653.78
16055.91  640.9316253.11  623.1516274.66   621.416525.63  617.5216963.65  611.84
17077.04  610.4919436.15  610.4919655.25     62020028.43     62020431.62  591.48
20601.54  591.48 20694.7  590.9820944.42  590.4921481.11  590.0121488.47  588.44
21526.13     58021552.38  575.6421586.02  570.4821619.67  565.47 21848.4  570.38
21890.43     58021968.76  601.4722026.82  614.8422220.88  660.2622280.26  664.16
22556.74  680.2722630.46  684.8323451.29  737.8723726.51  738.6424142.34   730.3
24387.02  730.9824609.39  730.26 25111.6  719.1325147.33     71625416.44  693.25
25561.58  682.4825607.21  682.9525654.99  682.9525896.59  692.4726258.78  706.26
26403.46  711.9626653.21  722.79 27138.9  741.9427343.42  749.5727714.05   748.8
28084.45  738.6428139.75  737.24   28839  720.8628904.67  720.9829914.74  720.98
30271.31  730.4931680.51  701.9732143.55  711.4832872.12  711.4833765.15  710.98
33928.27  710.9834274.93  711.3634380.77  709.3334743.99  701.9735147.54  701.97
35676.53     70035682.12  699.8735826.75  650.9235983.45  601.4836007.38  603.18
36117.03  611.2636579.07  621.9236990.72  693.5237078.26  708.5237501.28  711.28
37644.13  711.2337697.58  711.5838067.14  715.9638536.68  719.9338828.38  720.49
   39291  720.6939656.61  739.8739874.57  739.9639962.86  736.83 40404.9  720.98
40989.47     74041325.89  728.5941639.23  718.4541762.72  714.2641830.17  711.84
41930.61  711.6442267.76   723.842430.82     73042514.18     730   43499  703.91
43590.92  701.2543801.85  700.7444023.83   709.744102.65  709.5144300.79  709.51
44327.16  709.5844493.41  705.5244759.75  698.3445385.82  680.53 45518.4  680.32
45732.02  692.1245845.38  698.5646356.09  729.11 46644.4  732.2447579.47  739.93
47742.02  742.4648208.24  749.8948335.52  756.3649159.43     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521526.13     .1521890.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21526.1321890.43             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.61    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.47    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1545103.00   69038.66   1243505.00
  E.G. Slope (ft/ft)      0.000285    Area (sq ft)            1545103.00   69038.66   1243505.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4923611.00   379108.40   2700414.00
  Top Width (ft)          45400.95    Top Width (ft)          18532.92     364.30   26503.73
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.19       5.49       2.17
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.37     189.51      46.92
  Conv. Total (cfs)       474375800.0    Conv. (cfs)            291840900.0   22471180.0   160063700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18557.96     366.56   26548.20
  Min Ch El (ft)            565.47    Shear (lb/sq ft)            1.48       3.35       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.71      18.38       1.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    72219.88    3475.06   55145.81
  C & E Loss (ft)             0.00    Cum SA (acres)            868.65      18.42    1287.34


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268320.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1234.61  760.25 1406.24     760 1912.94     760 2308.14  769.48
  2390.3  769.48 2528.05     770 2736.17     770 2825.39  769.65 3130.59  751.09
  3658.8   720.3 3915.93  710.46 4520.23  700.14 4623.04  704.17 4754.34  709.39
 5541.73   699.3 5738.83  708.64  5982.7  692.06 6020.97  689.48 6693.25  689.48
 6939.42  688.72 7192.72  667.53  7292.6  659.48 7387.64  659.48 7511.82  671.35
 7784.84  699.11 7845.79  699.48 8028.13  698.45 8083.99  698.45 8123.27  696.28
 8255.07  689.57 8335.11  689.93 8464.17  697.01 8701.03  709.43 9089.48  728.97
 9325.36  728.97 9347.61   728.9 9489.87  723.14 9601.73  718.9710462.04  712.14
10797.32  708.14 11105.2  683.1511133.94  680.4111289.53  668.4111534.69  650.66
11599.72  650.9812038.73  685.23 12377.1     71012884.35  719.4812892.98  719.91
13075.45  728.2813303.25  722.2213368.66  720.7313490.65  718.7613675.87     720
14045.92     72014102.99  712.59   14192  701.1114472.14  701.3714664.89  722.16
14738.27     73015167.48     73015705.74  701.5515890.77  658.1315907.84  653.96
16056.26  641.0716253.48  623.2216275.02  621.46   16526  617.5516964.03  611.86
17077.42  610.5219436.58  610.5219655.69     62020028.88     62020432.07  591.55
20602.01  591.5520695.16  591.0320944.89  590.5221481.59  590.0121488.96  588.45
21526.61     58021552.99  575.63 21586.8  570.4721620.61  565.4621849.08  570.39
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21891.07     58021969.42  601.5922027.49  614.9322221.59  660.2722280.98  664.18
22557.52   680.222631.26  684.7423452.26  737.7723727.53  738.5824143.45  730.31
24388.18  731.03 24610.6  730.2825112.92  719.0925148.66  715.9625417.82  693.27
25562.99   682.625608.63  683.0925656.42  683.0925898.07  692.5926260.33  706.32
26405.05  712.0126654.85  722.8627140.63  741.9627345.21  749.5527715.91  748.75
28086.39  738.5728141.69  737.17 28841.1   720.928906.78  721.0329917.06  721.03
 30273.7  730.52 31683.2  702.0632146.33  711.5532875.06  711.5533768.27  711.03
33931.43  711.0334278.16  711.4334384.03  709.4134747.32  702.0635150.95  702.06
35680.05     70035685.65  699.87 35830.3  650.8735987.04  601.5536010.98  603.25
36120.65  611.3236582.78  622.0136994.52  693.4837082.08  708.4537505.19  711.21
37648.07   711.137701.53  711.4538071.17  715.9238540.81  719.9238832.56  720.52
39295.29  720.7339660.97  739.8639878.98  739.9639967.28  736.8440409.42  721.03
40994.11     740 41330.6  728.6141644.01  718.5241767.53  714.3441834.99  711.92
41935.45  711.7242272.67  723.8242435.76     73042519.14     73043504.17  703.97
43596.11  701.3143807.08  700.7744029.11  709.6944107.95  709.4844306.12  709.48
 44332.5  709.5644498.78  705.5344765.18  698.3745391.38  680.55   45524  680.34
45737.66  692.0945851.04  698.5146361.86  729.0746650.23  732.24 47585.5  739.92
47748.07  742.4548214.39  749.89 48341.7  756.3549165.78     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521526.61     .1521891.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21526.6121891.07             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.61    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.46    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1545141.00   69067.87   1243238.00
  E.G. Slope (ft/ft)      0.000285    Area (sq ft)            1545141.00   69067.87   1243238.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4924367.00   379320.00   2699446.00
  Top Width (ft)          45407.62    Top Width (ft)          18533.73     364.46   26509.43
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.19       5.49       2.17
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.37     189.51      46.90
  Conv. Total (cfs)       474309700.0    Conv. (cfs)            291845100.0   22480590.0   159984000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18558.70     366.72   26553.81
  Min Ch El (ft)            565.46    Shear (lb/sq ft)            1.48       3.35       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.72      18.38       1.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    72042.88    3467.15   55003.38
  C & E Loss (ft)             0.00    Cum SA (acres)            866.53      18.38    1284.30


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268315.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1234.64  760.26 1406.27     760 1912.99     760 2308.19  769.46
 2390.36  769.46 2528.11    770 2736.23     770 2825.46  769.63 3130.66  751.06
 3658.89  720.31 3916.02  710.48 4520.33  700.15 4623.14  704.15 4754.45  709.36
 5541.86  699.27 5738.96  708.58 5982.83  692.03  6021.1  689.46  6693.4  689.46
 6939.58  688.66 7192.88  667.49 7292.76  659.46 7387.81  659.46 7511.99  671.29
 7785.01  699.07 7845.96  699.46 8028.31  698.38 8084.17  698.38 8123.45  696.21
 8255.25  689.55  8335.3  689.93 8464.37  697.01 8701.22  709.43 9089.69  728.92
 9325.57  728.92 9347.82  728.85 9490.08  723.09 9601.95  718.9210462.28  712.11
10797.57  708.0611105.45  683.0711134.19  680.3111289.78  668.3411534.95   650.7
11599.98  651.02   12039  685.2912377.38     71012884.64  719.4612893.27  719.89
13075.74   728.213303.55  722.1213368.96  720.6313490.95   718.713676.18     720
14046.24     72014103.31  712.6114192.32  701.1614472.46  701.4314665.22  722.17
 14738.6     73015167.82     730 15706.1  701.6215891.12  658.31 15908.2  654.14
16056.62  641.2216253.84  623.2816275.39  621.5316526.37  617.5816964.41  611.88
 17077.8  610.5419437.02  610.5419656.13     62020029.32     62020432.53  591.62
20602.47  591.6220695.62  591.0820945.36  590.5421482.07  590.0121489.44  588.45
 21527.1     580 21553.6  575.6121587.57  570.4621621.54  565.4621849.77  570.41
21891.71     58021970.07  601.7122028.16  615.01 22222.3  660.29 22281.7  664.19
22558.29  680.1222632.05  684.6623453.23  737.6723728.55  738.5124144.56  730.33
24389.35  731.0824611.81  730.2925114.23  719.0525149.98  715.92 25419.2  693.28
 25564.4  682.7225610.04  683.2325657.85  683.2325899.55  692.7126261.88  706.38
26406.63  712.0526656.49  722.9327142.37  741.9827346.99  749.5327717.77  748.69
28088.32   738.528143.64   737.1 28843.2  720.9428908.88  721.0829919.38  721.08
 30276.1  730.5431685.89  702.1532149.12  711.62   32878  711.62 33771.4  711.08
33934.59  711.0834281.39  711.4934387.29  709.4834750.66  702.1535154.37  702.15
35683.58     70035689.18  699.8635833.87  650.8235990.63  601.6236014.58  603.31
36124.27  611.38 36586.5   622.136998.33  693.4537085.91  708.38 37509.1  711.13
37652.01  710.9837705.48  711.32 38075.2  715.8838544.93  719.9238836.75  720.54
39299.57  720.7639665.33  739.8539883.38  739.9639971.71  736.8540413.94  721.08
40998.76     74041335.32  728.6441648.79   718.641772.33  714.4341839.81  712.01
41940.29   711.842277.58  723.83 42440.7     73042524.11     73043509.34  704.04
 43601.3  701.3743812.31  700.8144034.38  709.6744113.24  709.4644311.46  709.46
44337.84  709.5444504.16  705.5444770.61   698.445396.95  680.5845529.59  680.36
45743.29  692.06 45856.7  698.4746367.62  729.0346656.05  732.2347591.52  739.92
47754.13  742.4548220.55  749.8848347.89  756.3349172.13     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21527.1     .1521891.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21527.121891.71             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.61    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.46    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1545193.00   69092.73   1242980.00
  E.G. Slope (ft/ft)      0.000285    Area (sq ft)            1545193.00   69092.73   1242980.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4925158.00   379499.10   2698477.00
  Top Width (ft)          45414.47    Top Width (ft)          18534.54     364.61   26515.31
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.19       5.49       2.17
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.37     189.50      46.88
  Conv. Total (cfs)       474247200.0    Conv. (cfs)            291853500.0   22488240.0   159905500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18559.45     366.86   26559.59
  Min Ch El (ft)            565.46    Shear (lb/sq ft)            1.48       3.35       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.72      18.39       1.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    71865.88    3459.24   54860.98
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  C & E Loss (ft)             0.00    Cum SA (acres)            864.40      18.34    1281.27


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268310.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1234.66  760.27  1406.3     760 1913.03     760 2308.24  769.44
 2390.41  769.44 2528.17    770 2736.29     770 2825.52  769.62 3130.73  751.03
 3658.97  720.33 3916.11   710.5 4520.43  700.15 4623.25  704.14 4754.56  709.33
 5541.98  699.24 5739.09  708.52 5982.97     692 6021.24  689.44 6693.55  689.44
 6939.73  688.61 7193.04  667.45 7292.92  659.44 7387.97  659.44 7512.16  671.24
 7785.19  699.03 7846.14  699.44 8028.49  698.31 8084.35  698.31 8123.63  696.15
 8255.44  689.53 8335.48  689.92 8464.55  697.02 8701.42  709.44 9089.89  728.88
 9325.78  728.88 9348.03   728.8 9490.29  723.03 9602.16  718.8810462.51  712.08
10797.81  707.97 11105.7  682.9811134.44  680.2111290.04  668.27 11535.2  650.73
11600.24  651.0712039.27  685.3512377.66     71012884.93  719.4412893.55  719.86
13076.03  728.1313303.85  722.0113369.26  720.5213491.26  718.6413676.48     720
14046.55     72014103.63  712.6314192.63  701.2114472.78  701.4914665.55  722.19
14738.93     73015168.16     73015706.45  701.6915891.48  658.4815908.56  654.32
16056.98  641.37 16254.2  623.3516275.75   621.616526.74  617.6116964.79   611.9
17078.19  610.5619437.46  610.5619656.57     62020029.77     62020432.99  591.69
20602.93  591.6920696.09  591.1220945.83  590.5621482.55  590.0121489.92  588.46
21527.58     58021554.21   575.621588.34  570.4521622.48  565.4621850.45  570.43
21892.34     58021970.73  601.8322028.82   615.122223.01   660.322282.42  664.21
22559.07  680.0522632.85  684.5723454.19  737.5723729.58  738.4524145.67  730.34
24390.51  731.1224613.02   730.325115.54  719.01 25151.3  715.8825420.57   693.3
25565.81  682.8325611.46  683.3725659.28  683.3725901.03  692.8326263.44  706.44
26408.22   712.126658.13  722.9927144.11     74227348.77  749.5127719.63  748.63
28090.26  738.4328145.59  737.0428845.29  720.9828910.99  721.12 29921.7  721.12
30278.49  730.5631688.58  702.2532151.91  711.6932880.95  711.6933774.53  711.12
33937.75  711.1234284.63  711.5534390.54  709.5634753.99  702.2535157.79  702.25
35687.11     70035692.71  699.8535837.43  650.7735994.22  601.6936018.18  603.38
36127.89  611.4436590.22   622.237002.13  693.4237089.73  708.3137513.01  711.05
37655.95  710.8537709.44   711.238079.23  715.8438549.06  719.9238840.94  720.56
39303.86  720.79 39669.7  739.8539887.79  739.9639976.13  736.8640418.46  721.12
 41003.4     74041340.03  728.6741653.57  718.6841777.14  714.5241844.62   712.1
41945.13  711.8742282.49  723.8542445.65     73042529.07     73043514.51   704.1
43606.48  701.4343817.54  700.8444039.66  709.6644118.53  709.44 44316.8  709.44
44343.18  709.5144509.53  705.5544776.04  698.4345402.51   680.645535.18  680.37
45748.93  692.0345862.36  698.4246373.39  728.9946661.88  732.2247597.54  739.92
47760.19  742.44 48226.7  749.8848354.07  756.3149178.49     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521527.58    .1521892.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21527.5821892.34             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.61    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.46    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1545229.00   69116.84   1242737.00
  E.G. Slope (ft/ft)      0.000285    Area (sq ft)            1545229.00   69116.84   1242737.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4925893.00   379673.80   2697567.00
  Top Width (ft)          45421.24    Top Width (ft)          18535.28     364.76   26521.20
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.19       5.49       2.17
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.37     189.49      46.86
  Conv. Total (cfs)       474183600.0    Conv. (cfs)            291857900.0   22495570.0   159830100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18560.12     367.00   26565.38
  Min Ch El (ft)            565.46    Shear (lb/sq ft)            1.48       3.35       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.72      18.40       1.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    71688.87    3451.32   54718.60
  C & E Loss (ft)             0.00    Cum SA (acres)            862.28      18.30    1278.23


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268305.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1234.69  760.29 1406.33     760 1913.07     760 2308.29  769.41
 2390.47  769.41 2528.22    770 2736.35     770 2825.58   769.6  3130.8  751.01
 3659.05  720.34 3916.19  710.52 4520.53  700.16 4623.35  704.13 4754.66   709.3
  5542.1  699.21 5739.22  708.45  5983.1  691.97 6021.37  689.41  6693.7  689.41
 6939.89  688.55  7193.2   667.4 7293.09  659.41 7388.14  659.41 7512.32  671.19
 7785.36  698.99 7846.32  699.41 8028.67  698.24 8084.53  698.24 8123.82  696.08
 8255.62  689.51 8335.67  689.92 8464.74  697.03 8701.61  709.44 9090.09  728.83
 9325.99  728.83 9348.24  728.75  9490.5  722.97 9602.38  718.8310462.74  712.05
10798.05  707.8911105.95   682.911134.69  680.1111290.29   668.211535.46  650.76
 11600.5  651.1112039.54  685.4112377.93     71012885.22  719.4112893.84  719.84
13076.33  728.0513304.15  721.9113369.56  720.4213491.56  718.5913676.79     720
14046.87     72014103.94  712.6414192.95  701.2614473.11  701.5614665.88  722.21
14739.26     730 15168.5     730 15706.8  701.7615891.84  658.6615908.91   654.5
16057.34  641.5116254.57  623.4116276.12  621.6616527.11  617.6416965.17  611.92
17078.57  610.5919437.89  610.5919657.01     62020030.22     62020433.45  591.76
20603.39  591.7620696.55  591.17 20946.3  590.5921483.04  590.01 21490.4  588.46
21528.06     58021554.82  575.5821589.12  570.4421623.42  565.4621851.14  570.45
21892.98     58021971.38  601.9522029.49  615.1922223.71  660.3122283.14  664.22
22559.85  679.9722633.64  684.4923455.16  737.47 23730.6  738.3824146.78  730.36
24391.67  731.1724614.23  730.3125116.86  718.9725152.62  715.8425421.95  693.32
25567.22  682.9525612.88  683.5125660.71  683.51 25902.5  692.9426264.99  706.49
 26409.8  712.1426659.77  723.0627145.85  742.0227350.55  749.4927721.49  748.58
 28092.2  738.3628147.54  736.9728847.39  721.02 28913.1  721.1729924.02  721.17
30280.89  730.5931691.27  702.34 32154.7  711.7632883.89  711.7633777.66  711.17
33940.91  711.1734287.86  711.62 34393.8  709.6334757.32  702.34 35161.2  702.34
35690.64     70035696.23  699.8535840.98  650.7135997.81  601.7636021.77  603.44
36131.52   611.536593.93  622.2937005.93  693.3837093.55  708.2437516.92  710.97
37659.89  710.7337713.39  711.0738083.26   715.838553.19  719.9138845.13  720.59
39308.14  720.8239674.06  739.84 39892.2  739.9539980.56  736.8740422.98  721.17
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41008.04     74041344.74   728.741658.34  718.7641781.94  714.6141849.45  712.19
41949.97  711.95 42287.4  723.8642450.59     73042534.03     73043519.68  704.17
43611.67  701.4943822.77  700.8844044.94  709.6444123.82  709.4144322.13  709.41
44348.52  709.4944514.91  705.5644781.47  698.4645408.07  680.6345540.77  680.39
45754.57     69245868.02  698.3746379.16  728.9446667.71  732.2247603.56  739.91
47766.24  742.4348232.86  749.8748360.25   756.349184.84     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521528.06     .1521892.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21528.0621892.98             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.46    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1545261.00   69143.47   1242484.00
  E.G. Slope (ft/ft)      0.000285    Area (sq ft)            1545261.00   69143.47   1242484.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4926624.00   379864.70   2696644.00
  Top Width (ft)          45427.82    Top Width (ft)          18536.00     364.92   26526.90
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.19       5.49       2.17
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.37     189.48      46.84
  Conv. Total (cfs)       474118200.0    Conv. (cfs)            291861000.0   22503780.0   159753500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18560.77     367.16   26570.98
  Min Ch El (ft)            565.46    Shear (lb/sq ft)            1.48       3.35       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.72      18.40       1.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    71511.85    3443.40   54576.25
  C & E Loss (ft)             0.00    Cum SA (acres)            860.16      18.26    1275.19


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268300.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1234.72   760.3 1406.36     760 1913.11     760 2308.34  769.39
 2390.52  769.39 2528.28     770 2736.41     770 2825.65  769.59 3130.87  750.98
 3659.13  720.36 3916.28  710.55 4520.63  700.17 4623.45  704.12 4754.77  709.27
 5542.23  699.18 5739.34  708.39 5983.23  691.94 6021.51  689.39 6693.85  689.39
 6940.04  688.49 7193.36  667.36 7293.25  659.39  7388.3  659.39 7512.49  671.13
 7785.54  698.95 7846.49  699.39 8028.85  698.17 8084.71  698.17    8124  696.02
 8255.81  689.49 8335.86  689.92 8464.93  697.04 8701.81  709.44  9090.3  728.78
 9326.19  728.78 9348.45   728.7 9490.72  722.92 9602.59  718.7810462.98  712.02
10798.29   707.8 11106.2  682.8211134.94  680.0111290.54  668.1311535.72  650.79
11600.76  651.1612039.81  685.4712378.21     71012885.51  719.3912894.13  719.81
13076.62  727.9713304.45   721.813369.86  720.3213491.86  718.53 13677.1     720
14047.18     72014104.26  712.6614193.27  701.3114473.43  701.6214666.21  722.23
14739.59     73015168.84     73015707.15  701.8315892.19  658.8415909.27  654.68
 16057.7  641.6616254.93  623.4816276.48  621.7316527.48  617.6716965.55  611.94
17078.95  610.6119438.33  610.6119657.45     62020030.67     62020433.91  591.83
20603.85  591.8320697.02  591.2220946.77  590.6121483.52  590.0121490.88  588.46
21528.54     58021555.43  575.5721589.89  570.4321624.36  565.4621851.82  570.47
21893.62     58021972.04  602.0722030.16  615.2722224.42  660.3222283.86  664.23
22560.63   679.922634.44   684.423456.13  737.3723731.63  738.3224147.89  730.37
24392.83  731.2224615.44  730.3325118.17  718.9325153.94   715.825423.33  693.33
25568.62  683.07 25614.3  683.6525662.13  683.6525903.98  693.0626266.55  706.55
26411.39  712.19 26661.4  723.1327147.59  742.0427352.33  749.4727723.35  748.52
28094.14  738.2928149.49   736.928849.48  721.0628915.21  721.2229926.34  721.22
30283.29  730.6131693.96  702.4432157.49  711.8332886.83  711.8333780.79  711.22
33944.08  711.22 34291.1  711.6834397.05  709.7134760.65  702.4435164.62  702.44
35694.17     70035699.77  699.8435844.55  650.6636001.41  601.8336025.37  603.51
36135.13  611.5636597.65  622.3837009.74  693.3537097.37  708.1737520.83   710.9
37663.83   710.637717.34  710.9438087.29  715.7638557.32  719.9138849.32  720.61
39312.43  720.8639678.42  739.8439896.61  739.9539984.99  736.87 40427.5  721.22
41012.68     74041349.45  728.7341663.12  718.8341786.74   714.741854.26  712.27
41954.81  712.03 42292.3  723.8842455.54     73042538.99     73043524.84  704.23
43616.86  701.55   43828  700.9144050.21  709.6344129.12  709.3944327.47  709.39
44353.87  709.4744520.29  705.58 44786.9  698.4945413.63  680.6545546.36   680.4
 45760.2  691.9745873.68  698.3346384.92   728.946673.54  732.2147609.59  739.91
 47772.3  742.4348239.01  749.8748366.43  756.28 49191.2     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521528.54     .1521893.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21528.5421893.62             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.46    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1545301.00   69169.77   1242205.00
  E.G. Slope (ft/ft)      0.000285    Area (sq ft)            1545301.00   69169.77   1242205.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4927440.00   380056.00   2695637.00
  Top Width (ft)          45434.58    Top Width (ft)          18536.73     365.08   26532.78
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.19       5.49       2.17
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.36     189.46      46.82
  Conv. Total (cfs)       474049000.0    Conv. (cfs)            291866700.0   22511830.0   159670500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18561.43     367.31   26576.76
  Min Ch El (ft)            565.46    Shear (lb/sq ft)            1.48       3.35       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.72      18.41       1.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    71334.84    3435.48   54433.94
  C & E Loss (ft)             0.00    Cum SA (acres)            858.03      18.22    1272.15


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268295.*

INPUT
Description:
Station Elevation Data    num=     174
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1234.75  760.31 1406.39     760 1913.16     760  2308.4  769.37
 2390.57  769.37 2528.34     770 2736.47     770 2825.71  769.57 3130.94  750.95
 3659.21  720.37 3916.37  710.57 4520.74  700.17 4623.56  704.11 4754.88  709.25
 5542.35  699.15 5739.47  708.33 5983.37  691.91 6021.64  689.37    6694  689.37
  6940.2  688.43 7193.52  667.32 7293.41  659.37 7388.47  659.37 7512.66  671.08
 7785.71  698.91 7846.67  699.37 8029.03   698.1 8084.89   698.1 8124.18  695.95
    8256  689.47 8336.04  689.91 8465.12  697.04    8702  709.44  9090.5  728.74
  9326.4  728.74 9348.66  728.65 9490.93  722.86 9602.81  718.7410463.21  711.99
10798.53  707.7211106.45  682.7411135.19  679.9111290.79  668.0511535.98  650.82
11601.02   651.212040.08  685.5412378.49     710 12885.8  719.3712894.42  719.79
13076.91  727.8913304.74   721.713370.16  720.2213492.16  718.48 13677.4     720
 14047.5     72014104.58  712.6814193.59  701.3614473.76  701.6814666.54  722.25
14739.92     73015169.18     730 15707.5   701.915892.55  659.0215909.63  654.86
16058.06   641.8 16255.3  623.5516276.85   621.816527.85   617.716965.93  611.96
17079.33  610.6319438.76  610.6319657.89     62020031.12     62020434.36   591.9
20604.31   591.920697.48  591.2620947.24  590.63   21484  590.0121491.36  588.47
21529.03     58021556.04  575.5621590.66  570.4221625.29  565.4621852.51  570.48
21894.26     580 21972.7  602.1922030.83  615.3622225.13  660.3422284.59  664.25
22561.41  679.8222635.23  684.3123457.09  737.2623732.65  738.25   24149  730.38
   24394  731.2624616.65  730.3425119.49  718.8825155.27  715.7625424.71  693.35
25570.03  683.1925615.72  683.7925663.56  683.7925905.46  693.18 26268.1  706.61
26412.97  712.2326663.04  723.1927149.33  742.0627354.12  749.4527725.21  748.46
28096.07  738.2228151.44  736.8428851.58   721.128917.32  721.2629928.66  721.26
30285.68  730.6331696.65  702.5332160.27   711.932889.77   711.933783.91  711.26
33947.24  711.2634294.33  711.7534400.31  709.7834763.99  702.5335168.04  702.53
 35697.7     70035703.29  699.8435848.11   650.61   36005   601.936028.96  603.58
36138.75  611.6236601.37  622.4737013.54  693.32 37101.2   708.137524.74  710.82
37667.77  710.4737721.29  710.8238091.32  715.7238561.45  719.9138853.51  720.63
39316.71  720.8939682.78  739.8339901.02  739.9539989.41  736.8840432.02  721.26
41017.32     74041354.16  728.75 41667.9  718.9141791.55  714.7841859.08  712.36
41959.65  712.1142297.21  723.8942460.48     73042543.95     73043530.01   704.3
43622.04  701.6143833.23  700.9544055.49  709.6244134.41  709.37 44332.8  709.37
44359.21  709.4544525.66  705.5944792.34  698.52 45419.2  680.6845551.95  680.42
45765.84  691.9445879.34  698.2846390.69  728.8646679.36  732.2147615.61  739.91
47778.36  742.4248245.17  749.8648372.61  756.2749197.55     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521529.03     .1521894.26     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21529.0321894.26             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.60    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.46    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1545340.00   69195.72   1241982.00
  E.G. Slope (ft/ft)      0.000285    Area (sq ft)            1545340.00   69195.72   1241982.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4928116.00   380240.00   2694778.00
  Top Width (ft)          45441.25    Top Width (ft)          18537.54     365.23   26538.47
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.19       5.50       2.17
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)            83.36     189.46      46.80
  Conv. Total (cfs)       473991300.0    Conv. (cfs)            291871200.0   22519990.0   159600100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18562.19     367.45   26582.37
  Min Ch El (ft)            565.46    Shear (lb/sq ft)             1.48       3.35       0.83
  Alpha                       1.18    Stream Power (lb/ft s)       4.73      18.42       1.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    71157.81    3427.56   54291.65
  C & E Loss (ft)             0.00    Cum SA (acres)            855.91      18.17    1269.11


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268290.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1234.77  760.32 1406.43     760  1913.2     760 2308.45  769.34
 2390.63  769.34 2528.39     770 2736.53     770 2825.77  769.55 3131.01  750.92
  3659.3  720.38 3916.46  710.59 4520.84  700.18 4623.66   704.1 4754.98  709.22
 5542.48  699.11  5739.6  708.27  5983.5  691.88 6021.78  689.34 6694.15  689.34
 6940.35  688.37 7193.68  667.27 7293.58  659.34 7388.64  659.34 7512.83  671.03
 7785.89  698.87 7846.84  699.34 8029.21  698.03 8085.07  698.03 8124.36  695.89
 8256.18  689.45 8336.23  689.91 8465.31  697.05  8702.2  709.44  9090.7  728.69
 9326.61  728.69 9348.87   728.6 9491.14   722.8 9603.03  718.6910463.45  711.96
10798.78  707.64 11106.7  682.6611135.44  679.8111291.05  667.9811536.24  650.85
11601.28  651.2412040.35   685.612378.77     71012886.08  719.3412894.71  719.77
13077.21  727.8113305.04  721.5913370.46  720.1213492.47  718.4213677.71     720
14047.81     72014104.89   712.714193.91  701.4214474.08  701.7414666.87  722.27
14740.25     73015169.52     73015707.86  701.97 15892.9  659.1915909.98  655.04
16058.42  641.9516255.66  623.6116277.21  621.8616528.22  617.7316966.31  611.98
17079.72  610.66 19439.2  610.6619658.33     62020031.57     62020434.82  591.97
20604.78  591.9720697.94  591.3120947.71  590.6621484.48  590.0121491.85  588.47
21529.51     58021556.65  575.5421591.44  570.4121626.23  565.45 21853.2   570.5
 21894.9     58021973.35  602.31 22031.5  615.4522225.84  660.3522285.31  664.26
22562.19  679.7522636.03  684.2323458.06  737.1623733.68  738.1924150.12   730.4
24395.16  731.3124617.86  730.35 25120.8  718.8425156.59  715.7225426.09  693.37
25571.44  683.3125617.13  683.9325664.99  683.9325906.94  693.2926269.66  706.67
26414.56  712.2726664.68  723.2627151.07  742.08 27355.9  749.4327727.07   748.4
28098.01  738.1528153.39  736.7728853.67  721.1428919.43  721.3129930.98  721.31
30288.08  730.6631699.34  702.6232163.06  711.9732892.71  711.9733787.04  711.31
 33950.4  711.3134297.57  711.8134403.57  709.8634767.32  702.6235171.46  702.62
35701.23     70035706.82  699.8335851.66  650.5636008.59  601.9736032.56  603.64
36142.38  611.6836605.09  622.5637017.35  693.2837105.02  708.0337528.65  710.74
37671.71  710.3537725.24  710.6938095.34  715.6838565.57   719.9 38857.7  720.66
   39321  720.9239687.14  739.8239905.42  739.9539993.84  736.8940436.54  721.31
41021.96     74041358.88  728.7841672.68  718.9941796.35  714.87 41863.9  712.45
41964.49  712.1942302.12  723.9142465.42     73042548.91     73043535.18  704.36
43627.23  701.6743838.46  700.9844060.77   709.644139.71  709.3444338.14  709.34
44364.55  709.4344531.04   705.644797.77  698.5545424.76   680.745557.54  680.43
45771.47  691.91   45885  698.2446396.45  728.8246685.19   732.247621.63   739.9
47784.41  742.4248251.32  749.8648378.79  756.25 49203.9     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521529.51     .15 21894.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      21529.51 21894.9             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.46    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1545379.00   69223.67   1241728.00
  E.G. Slope (ft/ft)      0.000285    Area (sq ft)            1545379.00   69223.67   1241728.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4928859.00   380441.10   2693833.00
  Top Width (ft)          45448.09    Top Width (ft)          18538.35     365.39   26544.35
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.19       5.50       2.17
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.36     189.45      46.78
  Conv. Total (cfs)       473927200.0    Conv. (cfs)            291875700.0   22528850.0   159522600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18562.93     367.61   26588.16
  Min Ch El (ft)            565.45    Shear (lb/sq ft)            1.48       3.35       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.73      18.42       1.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    70980.78    3419.63   54149.39
  C & E Loss (ft)             0.00    Cum SA (acres)            853.79      18.13    1266.07


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268285.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1234.8  760.33 1406.46     760 1913.24     760  2308.5  769.32
 2390.68  769.32 2528.45     770 2736.59     770 2825.84  769.54 3131.08   750.9
 3659.38   720.4 3916.55  710.61 4520.94  700.19 4623.76  704.09 4755.09  709.19
  5542.6  699.08 5739.73  708.21 5983.64  691.85 6021.91  689.32  6694.3  689.32
 6940.51  688.32 7193.84  667.23 7293.74  659.32  7388.8  659.32    7513  670.98
 7786.06  698.83 7847.02  699.32 8029.39  697.96 8085.25  697.96 8124.54  695.82
 8256.37  689.43 8336.42  689.91  8465.5  697.06 8702.39  709.44 9090.91  728.64
 9326.82  728.64 9349.08  728.55 9491.35  722.74 9603.24  718.6410463.68  711.93
10799.02  707.5511106.95  682.5711135.69  679.72 11291.3  667.91 11536.5  650.88
11601.54  651.2912040.62  685.6612379.04     71012886.37  719.32   12895  719.74
 13077.5  727.7413305.34  721.4913370.76  720.0213492.77  718.3613678.02     720
14048.13     72014105.21  712.7214194.22  701.4714474.41   701.814667.19  722.29
14740.58     73015169.86     73015708.21  702.0415893.26  659.3715910.34  655.22
16058.78  642.0916256.03  623.6816277.58  621.9316528.59  617.7616966.69     612
 17080.1  610.6819439.63  610.6819658.78     62020032.02     62020435.28  592.04
20605.24  592.0420698.41  591.3620948.18  590.6821484.96  590.0121492.33  588.48
21529.99     58021557.26  575.5321592.21   570.421627.17  565.4521853.88  570.52
21895.54     58021974.01  602.4322032.16  615.5322226.55  660.3622286.03  664.28
22562.97  679.6722636.82  684.1423459.03  737.06 23734.7  738.1324151.23  730.41
24396.32  731.3624619.06  730.3725122.12   718.825157.91  715.6825427.46  693.38
25572.85  683.4325618.55  684.0725666.42  684.0725908.42  693.4126271.21  706.73
26416.14  712.3226666.31  723.3327152.81   742.127357.68  749.4127728.93  748.35
28099.95  738.0828155.34   736.728855.77  721.1828921.54  721.36 29933.3  721.36
30290.47  730.6831702.04  702.7232165.85  712.0432895.65  712.0433790.17  711.36
33953.56  711.36 34300.8  711.8834406.82  709.9334770.65  702.7235174.88  702.72
35704.75     70035710.35  699.8235855.22  650.5136012.18  602.0436036.16  603.71
   36146  611.74 36608.8  622.6537021.15  693.2537108.84  707.9637532.57  710.67
37675.65  710.22 37729.2  710.5638099.38  715.64 38569.7   719.938861.88  720.68
39325.29  720.9639691.51  739.8239909.83  739.9539998.27   736.940441.05  721.36
41026.61     74041363.59  728.8141677.45  719.0741801.15  714.9641868.71  712.54
41969.32  712.2742307.04  723.9242470.36     73042553.87     73043540.34  704.42
43632.41  701.73 43843.7  701.0244066.05  709.59   44145  709.3244343.48  709.32
44369.89  709.4144536.41  705.61 44803.2  698.5745430.32  680.7345563.13  680.45
45777.11  691.8845890.66  698.1946402.22  728.7746691.02   732.247627.65   739.9
47790.47  742.4148257.48  749.8548384.97  756.2449210.25     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521529.99     .1521895.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21529.9921895.54             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.45    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1545416.00   69249.65   1241446.00
  E.G. Slope (ft/ft)      0.000285    Area (sq ft)            1545416.00   69249.65   1241446.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4929673.00   380630.80   2692830.00
  Top Width (ft)          45454.59    Top Width (ft)          18538.99     365.55   26550.05
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.19       5.50       2.17
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.36     189.44      46.76
  Conv. Total (cfs)       473857900.0    Conv. (cfs)            291881200.0   22536790.0   159439900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18563.50     367.76   26593.77
  Min Ch El (ft)            565.45    Shear (lb/sq ft)            1.48       3.35       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.73      18.43       1.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    70803.75    3411.70   54007.16
  C & E Loss (ft)             0.00    Cum SA (acres)            851.66      18.09    1263.03


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268280.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1234.83  760.34 1406.49     760 1913.29     760 2308.55   769.3
 2390.73   769.3 2528.51     770 2736.66     770  2825.9  769.52 3131.15  750.87
 3659.46  720.41 3916.63  710.63 4521.04  700.19 4623.87  704.08  4755.2  709.16
 5542.73  699.05 5739.86  708.14 5983.77  691.82 6022.05   689.3 6694.45   689.3
 6940.67  688.26    7194  667.19  7293.9   659.3 7388.97   659.3 7513.17  670.92
 7786.23  698.78 7847.19   699.3 8029.57  697.89 8085.44  697.89 8124.73  695.76
 8256.55  689.41  8336.6   689.9 8465.69  697.07 8702.58  709.44 9091.11  728.59
 9327.03  728.59 9349.29   728.5 9491.57  722.69 9603.46  718.5910463.92   711.9
10799.26  707.47 11107.2  682.4911135.94  679.6211291.55  667.8411536.75  650.91
 11601.8  651.3312040.89  685.7212379.32     71012886.66   719.312895.29  719.72
13077.79  727.6613305.64  721.3913371.06  719.9213493.07  718.3113678.32     720
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14048.44     72014105.52  712.7414194.54  701.5214474.73  701.8714667.52  722.31
14740.91     730 15170.2     73015708.56  702.1115893.62  659.55 15910.7   655.4
16059.14  642.2416256.39  623.7416277.94     62216528.96  617.7916967.07  612.02
17080.48   610.719440.07   610.719659.21     62020032.47     62020435.74  592.11
 20605.7  592.1120698.87  591.4120948.65   590.721485.44  590.0121492.81  588.48
21530.47     58021557.87  575.5121592.98  570.38 21628.1  565.4521854.57  570.54
21896.18     58021974.66  602.5522032.83  615.6222227.26  660.3722286.75  664.29
22563.75   679.622637.61  684.0623459.99  736.9623735.72  738.0624152.34  730.43
24397.48  731.4124620.27  730.3825123.43  718.7625159.23  715.6425428.84   693.4
25574.26  683.5425619.97  684.2225667.85  684.22 25909.9  693.5326272.77  706.79
26417.73  712.3626667.95   723.427154.55  742.1227359.46  749.3927730.79  748.29
28101.88  738.0128157.29  736.6428857.86  721.2228923.65  721.4129935.62  721.41
30292.87   730.731704.73  702.8132168.64  712.1132898.59  712.11 33793.3  711.41
33956.72  711.4134304.04  711.9434410.08  710.0134773.98  702.8135178.29  702.81
35708.28     70035713.88  699.8235858.79  650.4636015.78  602.1136039.76  603.77
36149.62   611.836612.52  622.7437024.95  693.2237112.66  707.8937536.48  710.59
37679.59  710.0937733.15  710.44 38103.4   715.638573.83  719.8938866.07   720.7
39329.57  720.9939695.87  739.8139914.24  739.9540002.69   736.940445.57  721.41
41031.25     740 41368.3  728.8441682.23  719.1541805.96  715.0541873.53  712.62
41974.16  712.3442311.95  723.9442475.31     73042558.83     73043545.51  704.49
 43637.6  701.7943848.93  701.0544071.32  709.57 44150.3   709.344348.81   709.3
44375.23  709.3944541.79  705.6244808.63   698.645435.89  680.7545568.72  680.46
45782.74  691.8545896.31  698.1546407.98  728.7346696.84  732.1947633.68   739.9
47796.53   742.448263.63  749.8548391.15  756.2249216.61     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1521530.47     .1521896.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21530.4721896.18             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.60    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.45    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1545467.00   69276.73   1241188.00
  E.G. Slope (ft/ft)      0.000285    Area (sq ft)            1545467.00   69276.73   1241188.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4930453.00   380823.00   2691857.00
  Top Width (ft)          45461.43    Top Width (ft)          18539.80     365.71   26555.92
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.19       5.50       2.17
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.36     189.43      46.74
  Conv. Total (cfs)       473796200.0    Conv. (cfs)             291889400.0   22545230.0   159361600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18564.24     367.91   26599.54
  Min Ch El (ft)            565.45    Shear (lb/sq ft)            1.48       3.35       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.73      18.44       1.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    70626.71    3403.76   53864.96
  C & E Loss (ft)             0.00    Cum SA (acres)            849.54      18.05    1259.99


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268275.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1234.86  760.35 1406.52     760 1913.33     760  2308.6  769.27
 2390.79  769.27 2528.56     770 2736.72     770 2825.96  769.51 3131.22  750.84
 3659.54  720.42 3916.72  710.65 4521.14   700.2 4623.97  704.07  4755.3  709.13
 5542.85  699.02 5739.99  708.08  5983.9  691.79 6022.18  689.27  6694.6  689.27
 6940.82   688.2 7194.17  667.14 7294.07  659.27 7389.13  659.27 7513.33  670.87
 7786.41  698.74 7847.37  699.27 8029.75  697.82 8085.62  697.82 8124.91  695.69
 8256.74  689.39 8336.79   689.9 8465.88  697.07 8702.78  709.45 9091.31  728.55
 9327.24  728.55 9349.49  728.45 9491.78  722.63 9603.67  718.5510464.15  711.87
 10799.5  707.3811107.44  682.4111136.19  679.5211291.81  667.7711537.01  650.94
11602.06  651.3812041.16  685.78 12379.6     71012886.95  719.2712895.58  719.69
13078.08  727.5813305.94  721.2813371.36  719.8213493.37  718.2513678.63     720
14048.76     72014105.84  712.7514194.86  701.5714475.05  701.9314667.85  722.33
14741.24     73015170.54     73015708.91  702.1815893.97  659.7315911.05  655.58
 16059.5  642.3816256.75  623.8116278.31  622.0616529.33  617.8316967.45  612.04
17080.87  610.73 19440.5  610.7319659.66     62020032.91     620 20436.2  592.18
20606.16  592.1820699.33  591.4520949.12  590.7321485.92  590.0121493.29  588.48
21530.96     58021558.47   575.521593.76  570.3721629.04  565.4521855.25  570.55
21896.82     58021975.32  602.67 22033.5   615.722227.97  660.3922287.47  664.31
22564.53  679.5322638.41  683.9723460.96  736.8623736.75     73824153.45  730.44
24398.64  731.4524621.48  730.3925124.74  718.7225160.55   715.625430.22  693.42
25575.67  683.6625621.39  684.3625669.28  684.3625911.38  693.6526274.32  706.84
26419.31  712.4126669.59  723.4627156.29  742.1427361.24  749.3727732.65  748.23
28103.82  737.9428159.23  736.5728859.96  721.2728925.76  721.4529937.95  721.45
30295.26  730.7331707.42   702.932171.43  712.1832901.53  712.1833796.43  711.45
33959.89  711.4534307.27  712.0134413.34  710.0934777.32   702.935181.71   702.9
35711.81     70035717.41  699.8135862.34   650.436019.37  602.1836043.36  603.84
36153.24  611.8636616.24  622.8437028.76  693.1837116.48  707.8237540.39  710.51
37683.53  709.97 37737.1  710.3138107.43  715.5638577.96  719.8938870.26  720.73
39333.86  721.0239700.23   739.839918.65  739.9440007.12  736.9140450.09  721.45
41035.89     74041373.01  728.8741687.01  719.2241810.76  715.1441878.35  712.71
   41979  712.4242316.85  723.9542480.25     73042563.79     73043550.68  704.55
43642.79  701.8543854.16  701.09 44076.6  709.5644155.59  709.2744354.14  709.27
44380.57  709.3744547.16  705.6344814.06  698.6345441.45  680.7845574.31  680.48
45788.38  691.8245901.97   698.146413.75  728.6946702.67  732.19 47639.7  739.89
47802.58   742.448269.79  749.8448397.33  756.2149222.96     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1521530.96     .1521896.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21530.9621896.82             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.60    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.45    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1545495.00   69302.65   1240950.00
  E.G. Slope (ft/ft)      0.000285    Area (sq ft)            1545495.00   69302.65   1240950.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4931143.00   381011.20   2690979.00
  Top Width (ft)          45468.02    Top Width (ft)          18540.54     365.86   26561.62
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.19       5.50       2.17
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  Max Chl Dpth (ft)          194.00    Hydr. Depth (ft)           83.36     189.42      46.72
  Conv. Total (cfs)       473733200.0    Conv. (cfs)            291891400.0   22553370.0   159288400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18564.93     368.06   26605.15
  Min Ch El (ft)            565.45    Shear (lb/sq ft)            1.48       3.35       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.73      18.44       1.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    70449.67    3395.83   53722.79
  C & E Loss (ft)             0.00    Cum SA (acres)            847.42      18.01    1256.95


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268270.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1234.89  760.37 1406.55     760 1913.37     760 2308.66  769.25
 2390.84  769.25 2528.62     770 2736.78     770 2826.03  769.49 3131.29  750.81
 3659.62  720.44 3916.81  710.67 4521.24  700.21 4624.08  704.06 4755.41  709.11
 5542.97  698.99 5740.12  708.02 5984.04  691.76 6022.32  689.25 6694.75  689.25
 6940.98  688.14 7194.33   667.1 7294.23  659.25  7389.3  659.25  7513.5  670.82
 7786.58   698.7 7847.55  699.25 8029.93  697.75  8085.8  697.75 8125.09  695.63
 8256.92  689.37 8336.98   689.9 8466.07  697.08 8702.98  709.45 9091.52   728.5
 9327.45   728.5  9349.7   728.4 9491.99  722.57 9603.89   718.510464.39  711.84
10799.74   707.311107.69  682.3311136.44  679.4211292.06   667.711537.27  650.97
11602.32  651.4212041.43  685.8412379.88     71012887.24  719.2512895.87  719.67
13078.38   727.513306.23  721.1813371.66  719.7213493.67  718.1913678.94     720
14049.07      72014106.16  712.7714195.18  701.6214475.38  701.9914668.18  722.35
14741.57      73015170.88     73015709.26  702.2515894.33   659.915911.41  655.76
16059.86  642.5316257.12  623.8816278.67  622.1316529.71  617.8616967.83  612.06
17081.25  610.7519440.94  610.75 19660.1     62020033.36     62020436.65  592.25
20606.62  592.25 20699.8   591.520949.59  590.7521486.41  590.0121493.77  588.49
21531.44      58021559.09  575.4921594.53  570.3621629.98  565.4521855.94  570.57
21897.46      58021975.97  602.7922034.17  615.7922228.68   660.422288.19  664.32
22565.31  679.45 22639.2  683.8923461.93  736.7623737.77  737.9324154.56  730.45
24399.81   731.524622.69   730.425126.06  718.6825161.88  715.56 25431.6  693.43
25577.08  683.7825622.81   684.5 25670.7   684.525912.86  693.7626275.88   706.9
 26420.9  712.4526671.23  723.5327158.03  742.1627363.03  749.3527734.51  748.18
28105.76  737.8628161.18   736.528862.05  721.3128927.87   721.529940.27   721.5
30297.66  730.7531710.11     70332174.21  712.2532904.47  712.2533799.55   711.5
33963.05   711.5 34310.5  712.0734416.59  710.1634780.65     70335185.12     703
35715.34      70035720.94   699.8 35865.9  650.3536022.96  602.2536046.95  603.91
36156.86  611.9236619.96  622.9337032.56  693.15 37120.3  707.75 37544.3  710.43
37687.47  709.8437741.05  710.1838111.46  715.5238582.08  719.8938874.45  720.75
39338.14  721.0539704.59   739.839923.05  739.9440011.55  736.9240454.61   721.5
41040.53      74041377.72  728.8941691.79   719.341815.56  715.2241883.17   712.8
41983.84   712.542321.76  723.97 42485.2     73042568.75     73043555.85  704.62
43647.98  701.9143859.39  701.1244081.88  709.5444160.88  709.2544359.48  709.25
44385.91  709.3544552.54  705.6444819.49  698.6645447.01   680.8 45579.9  680.49
45794.01   691.845907.63  698.0546419.52  728.6546708.49  732.1847645.72  739.89
47808.64  742.3948275.94  749.8448403.52  756.1949229.32     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521531.44     .1521897.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21531.4421897.46             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.45    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1545532.00   69329.41   1240686.00
  E.G. Slope (ft/ft)      0.000285    Area (sq ft)            1545532.00   69329.41   1240686.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4931910.00   381204.10   2690019.00
  Top Width (ft)          45474.87    Top Width (ft)          18541.34     366.02   26567.51
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.19       5.50       2.17
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.36     189.41      46.70
  Conv. Total (cfs)       473665500.0    Conv. (cfs)            291895100.0   22561570.0   159208800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18565.67     368.21   26610.94
  Min Ch El (ft)            565.45    Shear (lb/sq ft)            1.48       3.36       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.73      18.45       1.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    70272.63    3387.89   53580.64
  C & E Loss (ft)             0.00    Cum SA (acres)            845.29      17.96    1253.90


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268265.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1234.91  760.38 1406.58     760 1913.41     760 2308.71  769.23
 2390.89  769.23 2528.68     770 2736.84     770 2826.09  769.48 3131.36  750.79
 3659.71  720.45  3916.9  710.69 4521.34  700.21 4624.18  704.05 4755.52  709.08
  5543.1  698.96 5740.24  707.96 5984.17  691.73 6022.45  689.23  6694.9  689.23
 6941.13  688.08 7194.49  667.06 7294.39  659.23 7389.46  659.23 7513.67  670.77
 7786.76  698.66 7847.72  699.23 8030.11  697.68 8085.98  697.68 8125.27  695.56
 8257.11  689.35 8337.16   689.9 8466.26  697.09 8703.17  709.45 9091.72  728.45
 9327.66  728.45 9349.91  728.35 9492.21  722.52  9604.1  718.4510464.62  711.81
10799.99  707.2111107.94  682.2511136.69  679.3211292.31  667.6311537.53     651
11602.58  651.47 12041.7   685.912380.15     71012887.53  719.2312896.16  719.64
13078.67  727.4213306.53  721.0713371.96  719.6213493.98  718.1413679.24     720
14049.39      72014106.47  712.79 14195.5  701.67 14475.7  702.0514668.51  722.37
 14741.9      73015171.22     73015709.62  702.3215894.68  660.0815911.76  655.94
16060.22  642.6716257.48  623.9416279.04   622.216530.08  617.8916968.21  612.08
17081.63  610.7719441.38  610.7719660.54     62020033.81     62020437.11  592.32
20607.08  592.3220700.26  591.5520950.06  590.7721486.89  590.0121494.25  588.49
21531.92      580 21559.7  575.47 21595.3  570.3521630.91  565.4521856.62  570.59
 21898.1      58021976.63  602.9122034.84  615.8822229.38  660.4122288.91  664.34
22566.09  679.38   22640   683.823462.89  736.6623738.79  737.8724155.67  730.47
24400.97  731.55 24623.9  730.4225127.37  718.64 25163.2  715.5225432.98  693.45
25578.48   683.925624.23  684.6425672.13  684.6425914.34  693.8826277.43  706.96
26422.48   712.526672.87   723.627159.77  742.1827364.81  749.3327736.37  748.12
 28107.7  737.7928163.13  736.4328864.15  721.3528929.98  721.5529942.59  721.55
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30300.05  730.77 31712.8  703.09   32177  712.3232907.41  712.3233802.68  711.55
33966.21  711.5534313.74  712.1434419.85  710.2434783.98  703.0935188.54  703.09
35718.87     70035724.47   699.835869.46   650.336026.55  602.3236050.55  603.97
36160.48  611.9836623.67  623.0237036.36  693.1237124.12  707.6837548.21  710.36
37691.41  709.72   37745  710.0538115.49  715.4838586.21  719.8838878.64  720.77
39342.43  721.0939708.96  739.7939927.46  739.9440015.97  736.9340459.13  721.55
41045.17     74041382.44  728.9241696.56  719.3841820.37  715.3141887.99  712.88
41988.68  712.5842326.67  723.9842490.14     73042573.71     73043561.02  704.68
43653.16  701.9743864.62  701.1644087.16  709.5344166.18  709.2344364.82  709.23
44391.25  709.3344557.91  705.6544824.93  698.6945452.57  680.8345585.49  680.51
45799.65  691.7745913.29  698.0146425.29  728.6146714.32  732.1747651.75  739.89
 47814.7  742.3948282.09  749.83 48409.7  756.1749235.67     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521531.92     .15 21898.1     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21531.92 21898.1             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.45    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1545579.00   69355.73   1240414.00
  E.G. Slope (ft/ft)      0.000286    Area (sq ft)            1545579.00   69355.73   1240414.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4932731.00   381393.10   2689010.00
  Top Width (ft)          45481.54    Top Width (ft)          18541.98     366.18   26573.38
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.19       5.50       2.17
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.36     189.40      46.68
  Conv. Total (cfs)       473601100.0    Conv. (cfs)            291904000.0   22569680.0   159127400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18566.24     368.36   26616.73
  Min Ch El (ft)            565.45    Shear (lb/sq ft)            1.48       3.36       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.74      18.46       1.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    70095.58    3379.94   53438.54
  C & E Loss (ft)             0.00    Cum SA (acres)            843.17      17.92    1250.86


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268260.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1234.94  760.39 1406.61     760 1913.46     760 2308.76   769.2
 2390.95   769.2 2528.73     770  2736.9     770 2826.15  769.46 3131.43  750.76
 3659.79  720.47 3916.98  710.71 4521.44  700.22 4624.28  704.04 4755.62  709.05
 5543.22  698.92 5740.37   707.9 5984.31   691.7 6022.59   689.2 6695.05   689.2
 6941.29  688.03 7194.65  667.01 7294.56   659.2 7389.63   659.2 7513.84  670.71
 7786.93  698.62  7847.9   699.2 8030.29  697.61 8086.16  697.61 8125.45   695.5
 8257.29  689.33 8337.35  689.89 8466.45  697.09 8703.37  709.45 9091.93  728.41
 9327.87  728.41 9350.12   728.3 9492.42  722.46 9604.32  718.4110464.85  711.78
10800.23  707.1311108.19  682.1611136.94  679.2211292.57  667.5611537.79  651.03
11602.84  651.5112041.97  685.9612380.43     71012887.82   719.212896.44  719.62
13078.96  727.3513306.83  720.9713372.25  719.5213494.28  718.0813679.55     720
 14049.7     72014106.79  712.8114195.81  701.7214476.03  702.1214668.84  722.39
14742.23     73015171.56     73015709.97  702.3915895.04  660.2615912.12  656.12
16060.58  642.8216257.85  624.01 16279.4  622.2616530.45  617.9216968.59   612.1
17082.01   610.819441.81   610.819660.98     62020034.26     62020437.57  592.39
20607.55  592.3920700.73  591.5920950.53   590.821487.37  590.0121494.74  588.49
 21532.4     580 21560.3  575.4621596.08  570.3421631.85  565.4421857.31  570.61
21898.74     58021977.29  603.03 22035.5  615.9622230.09  660.4222289.63  664.35
22566.86   679.322640.79  683.7123463.86  736.5523739.82   737.824156.78  730.48
24402.13  731.5924625.11  730.4325128.69  718.5925164.52  715.4825434.36  693.47
25579.89  684.0225625.64  684.7825673.56  684.7825915.81     69426278.99  707.02
26424.07  712.54 26674.5  723.6627161.51   742.227366.59  749.3127738.23  748.06
28109.63  737.7228165.08  736.3728866.24  721.3928932.09  721.5929944.91  721.59
30302.45   730.831715.49  703.1832179.79  712.3932910.35  712.3933805.81  711.59
33969.37  711.5934316.98   712.234423.11  710.3134787.32  703.1835191.96  703.18
35722.39     700   35728  699.7935873.02  650.2536030.15  602.3936054.15  604.04
 36164.1  612.0436627.39  623.1137040.17  693.0837127.95  707.6137552.12  710.28
37695.36  709.5937748.95  709.9338119.52  715.4438590.34  719.8838882.83   720.8
39346.71  721.1239713.32  739.7939931.87  739.94 40020.4  736.9440463.65  721.59
41049.81     74041387.15  728.9541701.34  719.4641825.17   715.4 41892.8  712.97
41993.52  712.6642331.58     72442495.08     73042578.68     73043566.18  704.75
43658.35  702.0343869.85  701.1944092.43  709.5244171.47   709.244370.15   709.2
44396.59  709.3144563.29  705.6644830.36  698.7245458.14  680.8545591.08  680.52
45805.29  691.7445918.95  697.9646431.05  728.5646720.15  732.1747657.77  739.88
47820.75  742.3848288.25  749.8348415.88  756.1649242.02     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21532.4     .1521898.74     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21532.421898.74             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.45    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1545605.00   69383.52   1240193.00
  E.G. Slope (ft/ft)      0.000286    Area (sq ft)            1545605.00   69383.52   1240193.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4933367.00   381589.80   2688177.00
  Top Width (ft)          45488.20    Top Width (ft)          18542.79     366.34   26579.08
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.19       5.50       2.17
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.35     189.40      46.66
  Conv. Total (cfs)       473540700.0    Conv. (cfs)            291904400.0   22578440.0   159057800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18566.99     368.52   26622.34
  Min Ch El (ft)            565.44    Shear (lb/sq ft)            1.48       3.36       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.74      18.46       1.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    69918.52    3372.00   53296.45
  C & E Loss (ft)             0.00    Cum SA (acres)            841.04      17.88    1247.81


CROSS SECTION
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RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268255.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1234.97   760.4 1406.65     760  1913.5     760 2308.81  769.18
     2391  769.18 2528.79     770 2736.96     770 2826.22  769.44  3131.5  750.73
  3659.87  720.48 3917.07  710.73 4521.55  700.23 4624.39  704.03 4755.73  709.02
  5543.35  698.89  5740.5  707.84 5984.44  691.67 6022.72  689.18  6695.2  689.18
  6941.44  687.97 7194.81  666.97 7294.72  659.18 7389.79  659.18 7514.01  670.66
  7787.11  698.58 7848.07  699.18 8030.47  697.54 8086.34  697.54 8125.64  695.43
  8257.48  689.31 8337.54  689.89 8466.64   697.1 8703.56  709.45 9092.13  728.36
  9328.08  728.36 9350.33  728.25 9492.63   722.4 9604.53  718.3610465.09  711.75
 10800.47  707.0411108.44  682.0811137.19  679.1211292.82  667.4911538.05  651.06
  11603.1  651.5612042.24  686.0212380.71     71012888.11  719.1812896.73  719.59
 13079.26  727.2713307.13  720.8613372.55  719.4213494.58  718.0213679.86     720
 14050.02      720 14107.1  712.8314196.13  701.7714476.35  702.1814669.17  722.41
 14742.56      730 15171.9     73015710.32  702.46 15895.4  660.4415912.48   656.3
 16060.94  642.9716258.21  624.0816279.77  622.3316530.82  617.9516968.97  612.12
 17082.39  610.8219442.25  610.8219661.42     62020034.71     62020438.03  592.46
 20608.01  592.4620701.19  591.64   20951  590.8221487.85  590.0121495.22   588.5
 21532.88     58021560.92  575.4521596.85  570.3321632.79  565.4421857.99  570.63
 21899.38     58021977.94  603.1522036.17  616.05 22230.8  660.4422290.35  664.36
 22567.64  679.2322641.59  683.6323464.82  736.4523740.84  737.7424157.89   730.5
 24403.29  731.6424626.32  730.44   25130  718.5525165.84  715.4425435.73  693.48
  25581.3  684.1325627.06  684.9225674.99  684.9225917.29  694.1126280.54  707.08
 26425.65  712.5926676.14  723.7327163.24  742.2227368.37  749.2927740.09  748.01
 28111.57  737.6528167.03   736.328868.34  721.43 28934.2  721.6429947.23  721.64
 30304.85  730.8231718.18  703.2832182.58  712.4632913.29  712.4633808.93  711.64
 33972.54  711.6434320.21  712.2734426.36  710.3934790.65  703.2835195.38  703.28
 35725.92     70035731.53  699.7935876.58   650.236033.74  602.4636057.75   604.1
 36167.72   612.136631.11   623.237043.97  693.0537131.77  707.5437556.03   710.2
  37699.3  709.4637752.91   709.838123.55  715.4138594.46  719.8838887.02  720.82
    39351  721.1539717.68  739.7839936.28  739.9440024.82  736.9440468.17  721.64
 41054.46     74041391.86  728.9841706.12  719.5341829.98  715.4941897.62  713.06
 41998.36  712.7342336.49  724.0142500.03     73042583.64     73043571.35  704.81
 43663.54  702.0843875.08  701.2344097.71   709.544176.77  709.1844375.49  709.18
 44401.93  709.2944568.67  705.6844835.79  698.75 45463.7  680.8845596.67  680.54
 45810.92  691.7145924.61  697.9246436.82  728.5246725.97  732.1647663.79  739.88
 47826.81  742.37 48294.4  749.8248422.06  756.1449248.38     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1521532.88     .1521899.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21532.8821899.38             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.45    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1545654.00   69409.88   1239914.00
  E.G. Slope (ft/ft)      0.000286    Area (sq ft)            1545654.00   69409.88   1239914.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4934194.00   381780.10   2687160.00
  Top Width (ft)          45495.04    Top Width (ft)          18543.59     366.50   26584.95
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.19       5.50       2.17
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.35     189.39      46.64
  Conv. Total (cfs)       473473600.0    Conv. (cfs)            291912000.0   22586510.0   158975100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18567.72     368.67   26628.13
  Min Ch El (ft)            565.44    Shear (lb/sq ft)            1.48       3.36       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.74      18.47       1.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    69741.46    3364.05   53154.40
  C & E Loss (ft)             0.00    Cum SA (acres)            838.92      17.84    1244.77


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268250.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800    1235  760.41 1406.68     760 1913.54     760 2308.86  769.16
  2391.05  769.16 2528.85     770 2737.02     770 2826.28  769.43 3131.57   750.7
  3659.95  720.49 3917.16  710.75 4521.65  700.23 4624.49  704.02 4755.84  708.99
  5543.47  698.86 5740.63  707.77 5984.57  691.64 6022.86  689.16 6695.35  689.16
   6941.6  687.91 7194.97  666.93 7294.88  659.16 7389.96  659.16 7514.18  670.61
  7787.28  698.54 7848.25  699.16 8030.65  697.47 8086.52  697.47 8125.82  695.37
  8257.66  689.29 8337.72  689.89 8466.83  697.11 8703.75  709.45 9092.33  728.31
  9328.28  728.31 9350.54   728.2 9492.84  722.34 9604.75  718.3110465.32  711.72
 10800.71  706.9611108.69     68211137.44  679.0211293.07  667.4211538.31  651.09
 11603.36   651.612042.51  686.0912380.99     710 12888.4  719.1612897.02  719.57
 13079.55  727.1913307.43  720.7613372.85  719.3213494.88  717.9713680.16     720
 14050.33     72014107.42  712.8414196.45  701.8214476.68  702.24 14669.5  722.43
 14742.89     73015172.24     73015710.67  702.5315895.75  660.6115912.83  656.48
  16061.3  643.1116258.58  624.1416280.13   622.416531.19  617.9816969.35  612.14
 17082.78  610.8419442.68  610.8419661.86     62020035.16     62020438.48  592.53
 20608.47  592.5320701.65  591.6920951.46  590.8421488.33  590.01 21495.7   588.5
 21533.37     58021561.53  575.4321597.62  570.3221633.72  565.4421858.68  570.64
 21900.02      580 21978.6  603.2722036.84  616.1422231.51  660.4522291.07  664.38
 22568.42  679.1522642.38  683.5423465.79  736.3523741.87  737.67   24159  730.51
 24404.46  731.6924627.53  730.4525131.32  718.5125167.16  715.4125437.11   693.5
 25582.71  684.2525628.48  685.0625676.42  685.0625918.77  694.23 26282.1  707.14
 26427.24  712.6326677.78   723.827164.98  742.2427370.15  749.2727741.95  747.95
 28113.51  737.5828168.98  736.2328870.44  721.47 28936.3  721.6929949.55  721.69
 30307.24  730.8431720.87  703.3732185.37  712.5332916.23  712.5333812.06  711.69
  33975.7  711.6934323.45  712.3334429.62  710.4634793.98  703.37 35198.8  703.37
 35729.45     70035735.06  699.7835880.14  650.1536037.33  602.5336061.34  604.17
 36171.34  612.1636634.82  623.2937047.77  693.0237135.59  707.4737559.94  710.13
 37703.23  709.3437756.86  709.6738127.58  715.3738598.59  719.87 38891.2  720.84
 39355.29  721.1939722.04  739.7739940.69  739.9340029.25  736.9540472.69  721.69
  41059.1     74041396.57  729.01 41710.9  719.6141834.78  715.5841902.44  713.15
  42003.2  712.81 42341.4  724.0342504.97     730 42588.6     73043576.52  704.87
 43668.72  702.1443880.31  701.2644102.99  709.4944182.06  709.1644380.82  709.16
 44407.28  709.2744574.04  705.6944841.22  698.7845469.26   680.945602.26  680.56
 45816.55  691.6845930.27  697.8746442.58  728.48 46731.8  732.1647669.81  739.88
 47832.87  742.3748300.55  749.8248428.24  756.1349254.73     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521533.37     .1521900.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21533.3721900.02             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.44    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1545705.00   69436.23   1239654.00
  E.G. Slope (ft/ft)      0.000286    Area (sq ft)            1545705.00   69436.23   1239654.00
  Q Total (cfs)           8003133.00    Flow (cfs)            4934976.00   381970.00   2686188.00
  Top Width (ft)          45501.63    Top Width (ft)          18544.32     366.65   26590.65
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.19       5.50       2.17
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.35     189.38      46.62
  Conv. Total (cfs)       473413200.0    Conv. (cfs)            291921000.0   22594860.0   158897400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18568.40     368.81   26633.74
  Min Ch El (ft)            565.44    Shear (lb/sq ft)            1.49       3.36       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.74      18.48       1.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    69564.40    3356.09   53012.38
  C & E Loss (ft)             0.00    Cum SA (acres)            836.80      17.80    1241.72


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268245.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.02  760.42 1406.71     760 1913.59     760 2308.91  769.13
 2391.11  769.13  2528.9    770 2737.08     770 2826.34  769.41 3131.64  750.68
 3660.03  720.51 3917.25  710.78 4521.75  700.24 4624.59  704.01 4755.94  708.97
  5543.6  698.83 5740.76  707.71 5984.71  691.61 6022.99  689.13  6695.5  689.13
 6941.75  687.85 7195.13  666.88 7295.05  659.13 7390.13  659.13 7514.34  670.56
 7787.46   698.5 7848.43  699.13 8030.83   697.4  8086.7   697.4    8126   695.3
 8257.84  689.27 8337.91  689.88 8467.02  697.12 8703.95  709.45 9092.54  728.27
 9328.49  728.27 9350.75  728.15 9493.06  722.29 9604.96  718.2710465.56  711.69
10800.95  706.8711108.94  681.9211137.69  678.9211293.33  667.3511538.56  651.12
11603.62  651.6412042.78  686.1512381.26     71012888.68  719.1312897.31  719.55
13079.84  727.1113307.73  720.6613373.15  719.2213495.19  717.9113680.47     720
14050.65     72014107.74  712.8614196.77  701.87   14477   702.314669.82  722.45
14743.22     73015172.58    73015711.02   702.615896.11  660.7915913.19  656.66
16061.66  643.2616258.94  624.21 16280.5  622.4616531.56  618.0116969.73  612.16
17083.16  610.8719443.12  610.87 19662.3     62020035.61     62020438.94   592.6
20608.93   592.620702.12  591.7320951.93  590.8721488.81  590.0121496.18  588.51
21533.85     58021562.13  575.42 21598.4  570.3121634.66  565.4421859.36  570.66
21900.66     58021979.25  603.3922037.51  616.2222232.22  660.4622291.79  664.39
 22569.2  679.0822643.18  683.4623466.76  736.2523742.89  737.6124160.12  730.53
24405.62  731.7324628.74  730.4725132.63  718.4725168.48  715.3725438.49  693.52
25584.12  684.37 25629.9   685.225677.84   685.225920.25  694.3526283.65   707.2
26428.82  712.6726679.41  723.8627166.72  742.2627371.94  749.2527743.81  747.89
28115.45  737.5128170.93  736.1728872.53  721.5128938.41  721.7329951.87  721.73
30309.64  730.8731723.56  703.4732188.15   712.632919.17   712.633815.19  711.73
33978.86  711.7334326.68   712.434432.88  710.5434797.32  703.4735202.21  703.47
35732.98     70035738.59  699.77 35883.7   650.136040.93   602.636064.94  604.24
36174.96  612.2236638.54  623.3937051.58  692.9837139.41   707.437563.85  710.05
37707.18  709.2137760.81  709.5538131.61  715.3338602.72  719.8738895.39  720.87
39359.57  721.2239726.41  739.7739945.09  739.9340033.68  736.9640477.21  721.73
41063.74     74041401.29  729.0441715.68  719.6941839.58  715.6641907.26  713.23
42008.04  712.8942346.31  724.0542509.91     73042593.56     73043581.68  704.94
43673.91   702.243885.54   701.344108.27  709.4744187.35  709.1344386.16  709.13
44412.62  709.2544579.42   705.744846.65   698.845474.82  680.9345607.86  680.57
45822.19  691.6545935.93  697.8346448.35  728.4446737.63  732.1547675.84  739.87
47838.92  742.3648306.71  749.8148434.42  756.1149261.09     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521533.85     .1521900.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21533.8521900.66             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.44    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1545717.00   69462.66   1239387.00
  E.G. Slope (ft/ft)      0.000286    Area (sq ft)            1545717.00   69462.66   1239387.00
  Q Total (cfs)           8003133.00    Flow (cfs)            4935705.00   382167.40   2685261.00
  Top Width (ft)          45508.38    Top Width (ft)          18545.04     366.81   26596.53
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.19       5.50       2.17
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.35     189.37      46.60
  Conv. Total (cfs)       473338100.0    Conv. (cfs)            291917800.0   22602950.0   158817300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18569.06     368.97   26639.53
  Min Ch El (ft)            565.44    Shear (lb/sq ft)            1.49       3.36       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.74      18.49       1.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    69387.33    3348.14   52870.38
  C & E Loss (ft)             0.00    Cum SA (acres)            834.67      17.75    1238.68


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268240.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.05  760.43 1406.74     760 1913.63     760 2308.97  769.11
 2391.16  769.11 2528.96    770 2737.15     770 2826.41   769.4 3131.71  750.65
 3660.12  720.52 3917.33   710.8 4521.85  700.25  4624.7     704 4756.05  708.94
 5543.72   698.8 5740.89  707.65 5984.84  691.58 6023.13  689.11 6695.65  689.11
 6941.91  687.79 7195.29  666.84 7295.21  659.11 7390.29  659.11 7514.51   670.5
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 7787.63  698.46  7848.6  699.11 8031.01  697.33 8086.88  697.33 8126.18  695.24
 8258.03  689.25  8338.1  689.88 8467.21  697.12 8704.15  709.46 9092.74  728.22
  9328.7  728.22 9350.96   728.1 9493.27  722.23 9605.18  718.2210465.79  711.66
 10801.2  706.7911109.19  681.8411137.93  678.8211293.58  667.2811538.82  651.15
11603.88  651.6912043.05  686.2112381.54     71012888.97  719.11 12897.6  719.52
13080.14  727.0313308.02  720.5513373.45  719.1213495.49  717.8513680.77     720
14050.96     72014108.05  712.8814197.09  701.9214477.33  702.3614670.15  722.47
14743.55     73015172.92     73015711.38  702.6715896.47  660.9715913.55  656.84
16062.02   643.4 16259.3  624.2716280.86  622.5316531.93  618.0416970.11  612.18
17083.54  610.8919443.55  610.8919662.74     62020036.06     620 20439.4  592.67
20609.39  592.6720702.58  591.78 20952.4  590.8921489.29  590.0121496.66  588.51
21534.33     58021562.74   575.421599.17   570.3 21635.6  565.4421860.05  570.68
21901.29     58021979.91  603.5122038.18  616.3122232.93  660.4722292.52  664.41
22569.98     67922643.97  683.3723467.72  736.1523743.92  737.5424161.23  730.54
24406.78  731.7824629.95  730.4825133.95  718.4325169.81  715.3325439.87  693.53
25585.53  684.4925631.32  685.3425679.27  685.3425921.73  694.4626285.21  707.25
26430.41  712.7226681.05  723.9327168.46  742.2827373.72  749.2327745.67  747.83
28117.38  737.4428172.88   736.128874.63  721.5528940.52  721.7829954.19  721.78
30312.03  730.8931726.25  703.5632190.94  712.6732922.11  712.6733818.32  711.78
33982.02  711.7834329.91  712.4634436.13  710.6134800.65  703.5635205.63  703.56
35736.51     70035742.12  699.7735887.26  650.0436044.52  602.6736068.54   604.3
36178.58  612.2836642.26  623.4837055.38  692.9537143.23  707.3337567.76  709.97
37711.12  709.0937764.76  709.4238135.64  715.2938606.85  719.8738899.58  720.89
39363.86  721.2539730.77  739.76 39949.5  739.9340038.11  736.9740481.73  721.78
41068.38     740   41406  729.0641720.45  719.7741844.39  715.7541912.07  713.32
42012.88  712.9742351.22  724.0642514.86     73042598.52     73043586.85     705
 43679.1  702.2643890.78  701.3344113.54  709.4644192.65  709.11 44391.5  709.11
44417.96  709.2344584.79  705.7144852.08  698.8345480.39  680.9545613.45  680.59
45827.82  691.6245941.59  697.7846454.11  728.3946743.45  732.1547681.86  739.87
47844.98  742.3648312.86  749.81 48440.6   756.149267.44     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521534.33     .1521901.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21534.3321901.29             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.59    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.44    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1545765.00   69487.35   1239149.00
  E.G. Slope (ft/ft)      0.000286    Area (sq ft)            1545765.00   69487.35   1239149.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4936441.00   382342.30   2684350.00
  Top Width (ft)          45514.96    Top Width (ft)          18545.76     366.96   26602.24
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.19       5.50       2.17
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.35     189.36      46.58
  Conv. Total (cfs)       473280600.0    Conv. (cfs)            291925900.0   22610540.0   158744200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18569.72     369.11   26645.15
  Min Ch El (ft)            565.44    Shear (lb/sq ft)            1.49       3.36       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.75      18.49       1.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    69210.26    3340.18   52728.42
  C & E Loss (ft)             0.00    Cum SA (acres)            832.55      17.71    1235.63


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268235.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.08  760.45 1406.77     760 1913.67     760 2309.02  769.09
 2391.22  769.09 2529.02    770 2737.21     770 2826.47  769.38 3131.78  750.62
  3660.2  720.53 3917.42  710.82 4521.95  700.25  4624.8  703.99 4756.16  708.91
 5543.84  698.77 5741.02  707.59 5984.98  691.55 6023.26  689.09  6695.8  689.09
 6942.07  687.74 7195.46   666.8 7295.37  659.09 7390.46  659.09 7514.68  670.45
  7787.8  698.42 7848.78  699.09 8031.19  697.26 8087.07  697.26 8126.36  695.17
 8258.21  689.23 8338.29  689.88  8467.4  697.13 8704.34  709.46 9092.94  728.17
 9328.91  728.17 9351.17  728.05 9493.48  722.17 9605.39  718.1710466.03  711.63
10801.44  706.7111109.43  681.7611138.18  678.7211293.83  667.2111539.08  651.18
11604.14  651.7312043.32  686.2712381.82     71012889.26  719.0912897.89   719.5
13080.43  726.9513308.32  720.4513373.75  719.0213495.79   717.813681.08     720
14051.28     72014108.37   712.9 14197.4  701.9714477.65  702.4314670.48  722.48
14743.88     73015173.26     73015711.73  702.7415896.82  661.15 15913.9  657.02
16062.38  643.5516259.67  624.3416281.22   622.6 16532.3  618.0716970.49   612.2
17083.93  610.9119443.99  610.9119663.18     62020036.51     62020439.86  592.74
20609.86  592.7420703.04  591.8320952.87  590.9121489.78  590.0121497.14  588.51
21534.81     58021563.36  575.3921599.94  570.2921636.53  565.4421860.73   570.7
21901.93     58021980.56  603.6322038.84   616.422233.63  660.4922293.24  664.42
22570.76  678.9322644.76  683.2923468.69  736.0523744.94  737.4824162.34  730.55
24407.95  731.8324631.15  730.4925135.26  718.3925171.13  715.2925441.25  693.55
25586.94  684.6125632.74  685.48 25680.7  685.4825923.21  694.5826286.76  707.31
   26432  712.7626682.69    724 27170.2   742.3 27375.5  749.2127747.53  747.78
28119.32  737.3728174.83  736.0328876.72  721.5928942.63  721.8329956.51  721.83
30314.43  730.9131728.94  703.6532193.73  712.7432925.05  712.7433821.45  711.83
33985.18  711.8334333.15  712.5334439.39  710.6934803.98  703.6535209.05  703.65
35740.04     70035745.65  699.7635890.82  649.9936048.11  602.7436072.14  604.37
 36182.2  612.3436645.98  623.5737059.19  692.9237147.06  707.2637571.67   709.9
37715.06  708.9637768.71  709.2938139.67  715.2538610.98  719.8638903.77  720.91
39368.14  721.2939735.13  739.7539953.91  739.9340042.53  736.9740486.25  721.83
41073.02     74041410.71  729.0941725.23  719.8441849.19  715.8441916.89  713.41
42017.71  713.0542356.13  724.08 42519.8     73042603.48     73043592.02  705.07
43684.28  702.3243896.01  701.3744118.82  709.4444197.94  709.0944396.83  709.09
 44423.3  709.2144590.17  705.7244857.52  698.8645485.95  680.9845619.04   680.6
45833.46  691.5945947.25  697.7346459.88  728.3546749.28  732.1447687.88  739.86
47851.04  742.3548319.02   749.848446.78  756.0849273.79     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521534.81     .1521901.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21534.8121901.93             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.58    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                  0.150      0.150      0.150
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  W.S. Elev (ft)            759.44    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1545809.00   69513.76   1238889.00
  E.G. Slope (ft/ft)      0.000286    Area (sq ft)            1545809.00   69513.76   1238889.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4937217.00   382530.90   2683386.00
  Top Width (ft)          45521.80    Top Width (ft)          18546.57     367.12   26608.11
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.19       5.50       2.17
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.35     189.35      46.56
  Conv. Total (cfs)       473216200.0    Conv. (cfs)            291932100.0   22618620.0   158665600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18570.46     369.26   26650.94
  Min Ch El (ft)            565.44    Shear (lb/sq ft)            1.49       3.36       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.75      18.50       1.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    69033.18    3332.22   52586.48
  C & E Loss (ft)             0.00    Cum SA (acres)            830.42      17.67    1232.58


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268230.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.11  760.46  1406.8     760 1913.71     760 2309.07  769.06
 2391.27  769.06 2529.07    770 2737.27     770 2826.53  769.36 3131.85   750.6
 3660.28  720.55 3917.51  710.84 4522.05  700.26  4624.9  703.98 4756.26  708.88
 5543.97  698.73 5741.14  707.53 5985.11  691.52  6023.4  689.06 6695.95  689.06
 6942.22  687.68 7195.62  666.75 7295.54  659.06 7390.62  659.06 7514.85   670.4
 7787.98  698.38 7848.95  699.06 8031.37  697.19 8087.25  697.19 8126.55  695.11
  8258.4  689.21 8338.47  689.87 8467.59  697.14 8704.54  709.46 9093.15  728.13
 9329.12  728.13 9351.38    728 9493.69  722.12 9605.61  718.1310466.26   711.6
10801.68  706.6211109.68  681.6711138.43  678.6211294.08  667.1411539.34  651.21
 11604.4  651.7812043.59  686.33 12382.1     71012889.55  719.0612898.18  719.47
13080.72  726.8813308.62  720.3413374.05  718.9213496.09  717.7413681.39     720
14051.59     72014108.68  712.9214197.72  702.0214477.97  702.4914670.81   722.5
14744.21     730 15173.6     73015712.08  702.8115897.18  661.3215914.26   657.2
16062.74  643.6916260.03  624.4116281.59  622.6616532.67   618.116970.87  612.22
17084.31  610.9419444.42  610.9419663.62     62020036.96     62020440.32  592.81
20610.32  592.8120703.51  591.8720953.34  590.9421490.26  590.0121497.62  588.52
 21535.3     58021563.96  575.3821600.72  570.2721637.47  565.4321861.42  570.72
21902.57     58021981.22  603.7522039.51  616.4822234.34   660.522293.96  664.44
22571.54  678.8522645.56   683.223469.66  735.9523745.96  737.4124163.45  730.57
24409.11  731.8724632.37   730.525136.57  718.3525172.45  715.2525442.62  693.57
25588.35  684.7225634.15  685.6225682.13  685.6225924.69   694.726288.31  707.37
26433.58  712.8126684.33  724.0727171.94  742.3127377.28  749.1927749.39  747.72
28121.26   737.328176.78  735.9628878.82  721.6328944.74  721.8729958.83  721.87
30316.82  730.9431731.63  703.7532196.52  712.81   32928  712.8133824.57  711.87
33988.34  711.8734336.38  712.5934442.65  710.7734807.31  703.7535212.46  703.75
35743.56     70035749.18  699.7635894.38  649.94 36051.7  602.8136075.73  604.43
36185.82   612.4 36649.7  623.6637062.99  692.8937150.88  707.1937575.58  709.82
   37719  708.8337772.66  709.16 38143.7  715.2138615.11  719.8638907.96  720.94
39372.43  721.3239739.49  739.7539958.32  739.9340046.96  736.9840490.77  721.87
41077.66     74041415.42  729.1241730.01  719.9241853.99  715.9341921.71   713.5
42022.55  713.1242361.04  724.0942524.75     73042608.45     73043597.19  705.13
43689.47  702.3843901.24   701.4 44124.1  709.4344203.23  709.0644402.16  709.06
44428.64  709.1944595.55  705.7344862.95  698.8945491.52     68145624.62  680.62
 45839.1  691.5645952.91  697.6946465.65  728.3146755.11  732.14 47693.9  739.86
47857.09  742.3448325.17   749.848452.96  756.0649280.14     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21535.3     .1521902.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21535.321902.57             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.58    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.44    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1545838.00   69540.18   1238633.00
  E.G. Slope (ft/ft)      0.000286    Area (sq ft)            1545838.00   69540.18   1238633.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4937953.00   382727.10   2682453.00
  Top Width (ft)          45528.55    Top Width (ft)          18547.29     367.27   26613.98
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.19       5.50       2.17
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.35     189.34      46.54
  Conv. Total (cfs)       473149300.0    Conv. (cfs)            291934300.0   22627020.0   158588000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18571.13     369.41   26656.73
  Min Ch El (ft)            565.43    Shear (lb/sq ft)            1.49       3.36       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.75      18.51       1.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    68856.10    3324.25   52444.58
  C & E Loss (ft)             0.00    Cum SA (acres)            828.30      17.63    1229.53


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268225.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.13  760.47 1406.84     760 1913.76     760 2309.12  769.04
 2391.32  769.04 2529.13    770 2737.33     770  2826.6  769.35 3131.92  750.57
 3660.36  720.56  3917.6  710.86 4522.15  700.26 4625.01  703.97 4756.37  708.85
 5544.09   698.7 5741.27  707.46 5985.25  691.49 6023.53  689.04  6696.1  689.04
 6942.38  687.62 7195.78  666.71  7295.7  659.04 7390.79  659.04 7515.02  670.34
 7788.15  698.34 7849.13  699.04 8031.55  697.12 8087.43  697.12 8126.73  695.04
 8258.58  689.19 8338.66  689.87 8467.78  697.15 8704.73  709.46 9093.35  728.08
 9329.33  728.08 9351.59  727.95 9493.91  722.06 9605.82  718.08 10466.5  711.57
10801.92  706.5411109.93  681.5911138.68  678.5211294.34  667.07 11539.6  651.24
11604.66  651.8212043.86  686.3912382.37     71012889.84  719.0412898.47  719.45
13081.01   726.813308.92  720.2413374.35  718.82 13496.4  717.6813681.69     720
14051.91     720   14109  712.9414198.04  702.07 14478.3  702.5514671.14  722.52
14744.54     73015173.94     73015712.43  702.8815897.53   661.515914.62  657.38
 16063.1  643.84 16260.4  624.4716281.95  622.7316533.04  618.1316971.25  612.24
17084.69  610.9619444.86  610.9619664.06     620 20037.4     62020440.77  592.88
20610.78  592.8820703.97  591.9220953.81  590.9621490.74  590.0121498.11  588.52
21535.78     58021564.57  575.3621601.49  570.2621638.41  565.4321862.11  570.73
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21903.21     58021981.88  603.8622040.18  616.5722235.05  660.5122294.68  664.45
22572.32  678.7822646.35  683.1123470.62  735.8523746.99  737.3524164.56  730.58
24410.27  731.9224633.57  730.5225137.89  718.3125173.77  715.21   25444  693.58
25589.75  684.8425635.57  685.7625683.56  685.7625926.17  694.8226289.87  707.43
26435.17  712.8526685.96  724.1327173.68  742.3327379.06  749.1727751.25  747.66
 28123.2  737.2328178.72   735.928880.91  721.6728946.85  721.9229961.15  721.92
30319.22  730.9631734.33  703.84 32199.3  712.8832930.93  712.88 33827.7  711.92
 33991.5  711.9234339.62  712.6634445.91  710.8434810.64  703.8435215.88  703.84
35747.09     70035752.71  699.7535897.94  649.89 36055.3  602.8836079.33   604.5
36189.44  612.4636653.41  623.7537066.79  692.85 37154.7  707.1237579.49  709.74
37722.94  708.7137776.62  709.0438147.73  715.1738619.23  719.8638912.15  720.96
39376.71  721.3539743.86  739.7439962.73  739.9340051.38  736.9940495.28  721.92
 41082.3     74041420.13  729.1541734.79     720 41858.8  716.0241926.53  713.58
42027.39   713.242365.95  724.1142529.69     73042613.41     73043602.36   705.2
43694.66  702.4443906.47  701.4444129.38  709.4244208.53  709.04 44407.5  709.04
44433.98  709.1744600.92  705.7444868.38  698.9245497.08  681.0345630.21  680.63
45844.73  691.5345958.57  697.6446471.41  728.2746760.93  732.1347699.93  739.86
47863.15  742.3448331.33  749.7948459.14  756.05 49286.5     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521535.78     .1521903.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21535.7821903.21             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.58    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.44    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1545892.00   69568.74   1238369.00
  E.G. Slope (ft/ft)      0.000286    Area (sq ft)            1545892.00   69568.74   1238369.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4938744.00   382928.80   2681461.00
  Top Width (ft)          45535.13    Top Width (ft)          18548.01     367.43   26619.68
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.19       5.50       2.17
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.35     189.34      46.52
  Conv. Total (cfs)       473089700.0    Conv. (cfs)            291944200.0   22636090.0   158509300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18571.79     369.56   26662.34
  Min Ch El (ft)            565.43    Shear (lb/sq ft)            1.49       3.36       0.83
  Alpha                       1.18    Stream Power (lb/ft s)      4.75      18.51       1.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    68679.02    3316.28   52302.70
  C & E Loss (ft)             0.00    Cum SA (acres)            826.17      17.59    1226.48


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268220.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.16  760.48 1406.87     760  1913.8     760 2309.17  769.02
 2391.38  769.02 2529.19    770 2737.39     770 2826.66  769.33 3131.99  750.54
 3660.44  720.57 3917.69  710.88 4522.25  700.27 4625.11  703.96 4756.48  708.83
 5544.22  698.67  5741.4   707.4 5985.38  691.46 6023.67  689.02 6696.25  689.02
 6942.53  687.56 7195.94  666.67 7295.86  659.02 7390.95  659.02 7515.19  670.29
 7788.33   698.3  7849.3  699.02 8031.73  697.05 8087.61  697.05 8126.91  694.98
 8258.77  689.17 8338.85  689.87 8467.97  697.15 8704.93  709.46 9093.56  728.03
 9329.54  728.03  9351.8   727.9 9494.12     722 9606.04  718.0310466.73  711.54
10802.16  706.4511110.18  681.5111138.93  678.4211294.59     66711539.86  651.27
11604.92  651.8712044.13  686.4512382.65     71012890.13  719.0212898.76  719.42
13081.31  726.7213309.22  720.1413374.65  718.71 13496.7  717.63   13682     720
14052.22     72014109.32  712.9514198.36  702.1214478.62  702.6114671.47  722.54
14744.87     73015174.28     73015712.78  702.9515897.89  661.6815914.97  657.56
16063.46  643.9816260.76  624.5416282.32   622.816533.41  618.1616971.63  612.26
17085.07  610.9819445.29  610.98 19664.5     62020037.85     62020441.23  592.95
20611.24  592.9520704.44  591.9720954.28  590.9821491.22  590.0121498.59  588.53
21536.26     58021565.19  575.3521602.26  570.2521639.34  565.4321862.79  570.75
21903.85     58021982.53  603.9822040.85  616.6622235.76  660.52 22295.4  664.46
 22573.1  678.7122647.15  683.0323471.59  735.7423748.01  737.2824165.67   730.6
24411.43  731.9724634.78  730.53 25139.2  718.2625175.09  715.1725445.38   693.6
25591.16  684.9625636.99   685.925684.98   685.925927.64  694.9326291.42  707.49
26436.75   712.9 26687.6   724.227175.42  742.3527380.85  749.1527753.11  747.61
28125.13  737.1628180.67  735.8328883.01  721.7128948.96  721.9729963.48  721.97
30321.62  730.9831737.02  703.9332202.09  712.9532933.88  712.9533830.83  711.97
33994.67  711.9734342.85  712.7234449.16  710.9234813.98  703.93 35219.3  703.93
35750.62     70035756.23  699.74 35901.5  649.8436058.89  602.9536082.93  604.57
36193.06  612.5236657.13  623.84 37070.6  692.8237158.52  707.05 37583.4  709.66
37726.88  708.5837780.57  708.9138151.75  715.1338623.36  719.8538916.34  720.98
   39381  721.3839748.21  739.7339967.13  739.9240055.81     737 40499.8  721.97
41086.95     74041424.84  729.1841739.56  720.08 41863.6   716.141931.35  713.67
42032.23  713.2842370.86  724.1242534.63     73042618.37     73043607.52  705.26
43699.84   702.5 43911.7  701.4744134.65   709.444213.82  709.0244412.84  709.02
44439.32  709.15 44606.3  705.7544873.81  698.9545502.64  681.0545635.81  680.65
45850.37   691.545964.22   697.646477.18  728.2346766.76  732.1247705.95  739.85
47869.21  742.3348337.48  749.7948465.32  756.0349292.85     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521536.26     .1521903.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21536.2621903.85             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.58    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.44    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1545938.00   69594.82   1238132.00
  E.G. Slope (ft/ft)      0.000286    Area (sq ft)            1545938.00   69594.82   1238132.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4939470.00   383111.20   2680552.00
  Top Width (ft)          45541.96    Top Width (ft)          18548.81     367.59   26625.56
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.20       5.50       2.16
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.34     189.33      46.50
  Conv. Total (cfs)       473030900.0    Conv. (cfs)            291950900.0   22644060.0   158435900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18572.53     369.71   26668.13
  Min Ch El (ft)            565.43    Shear (lb/sq ft)            1.49       3.36       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.75      18.52       1.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    68501.92    3308.31   52160.86
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  C & E Loss (ft)             0.00    Cum SA (acres)            824.05      17.54    1223.43


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268215.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.19  760.49  1406.9     760 1913.84     760 2309.22  768.99
 2391.43  768.99 2529.24    770 2737.45     770 2826.72  769.32 3132.06  750.51
 3660.53  720.59 3917.77   710.9 4522.36  700.28 4625.21  703.95 4756.58   708.8
 5544.34  698.64 5741.53  707.34 5985.51  691.43  6023.8  688.99  6696.4  688.99
 6942.69   687.5  7196.1  666.62 7296.03  658.99 7391.12  658.99 7515.35  670.24
  7788.5  698.26 7849.48  698.99 8031.91  696.98 8087.79  696.98 8127.09  694.91
 8258.96  689.15 8339.03  689.86 8468.16  697.16 8705.12  709.46 9093.76  727.99
 9329.75  727.99 9352.01  727.85 9494.33  721.94 9606.25  717.9910466.96  711.51
10802.41  706.3711110.43  681.4311139.18  678.3211294.84  666.9311540.12   651.3
11605.18  651.91 12044.4  686.5112382.93     71012890.42  718.9912899.04   719.4
 13081.6  726.6413309.51  720.0313374.95  718.61   13497  717.5713682.31     720
14052.54     72014109.63  712.9714198.68  702.1714478.95  702.6814671.79  722.56
 14745.2     73015174.62     73015713.14  703.0215898.25  661.8615915.33  657.74
16063.82  644.1316261.12   624.616282.68  622.8616533.78  618.1916972.01  612.28
17085.46  611.0119445.73  611.0119664.94     620 20038.3     62020441.69  593.02
 20611.7  593.02 20704.9  592.0120954.75  591.01 21491.7  590.0121499.07  588.53
21536.74     58021565.79  575.3321603.04  570.2421640.28  565.4321863.48  570.77
21904.49     58021983.19   604.122041.52  616.7422236.47  660.5422296.12  664.48
22573.88  678.6322647.94  682.9423472.56  735.6423749.04  737.2224166.78  730.61
 24412.6  732.0124635.99  730.5425140.52  718.2225176.42  715.1325446.76  693.62
25592.57  685.0825638.41  686.0425686.41  686.0425929.12  695.0526292.98  707.55
26438.34  712.9426689.24  724.2727177.16  742.3727382.63  749.1327754.97  747.55
28127.07  737.0928182.62  735.76 28885.1  721.7528951.07  722.01 29965.8  722.01
30324.01  731.0131739.71  704.0332204.88  713.0232936.82  713.0233833.96  712.01
33997.83  712.0134346.09  712.7934452.42  710.9934817.31  704.0335222.72  704.03
35754.15     70035759.77  699.7435905.06  649.7936062.48  603.0236086.53  604.63
36196.68  612.5836660.85  623.93 37074.4  692.7937162.35  706.9837587.31  709.59
37730.82  708.4537784.52  708.7838155.79  715.0938627.49  719.8538920.53  721.01
39385.29  721.4239752.58  739.7339971.54  739.9240060.24  737.0140504.32  722.01
41091.59     74041429.56   729.241744.34  720.16 41868.4  716.1941936.16  713.76
42037.07  713.3642375.77  724.1442539.57     73042623.33     73043612.69  705.32
43705.03  702.5643916.93  701.5144139.93  709.3944219.12  708.9944418.17  708.99
44444.66  709.1344611.67  705.7644879.24  698.98 45508.2  681.08 45641.4  680.66
   45856  691.4745969.88  697.5546482.95  728.1846772.59  732.1247711.97  739.85
47875.26  742.3248343.64  749.78 48471.5  756.0249299.21     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521536.74    .1521904.49     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21536.7421904.49             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.58    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.43    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1545960.00   69621.73   1237868.00
  E.G. Slope (ft/ft)      0.000286    Area (sq ft)            1545960.00   69621.73   1237868.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4940203.00   383309.00   2679621.00
  Top Width (ft)          45548.55    Top Width (ft)          18549.54     367.75   26631.26
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.20       5.51       2.16
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.34     189.32      46.48
  Conv. Total (cfs)       472960600.0    Conv. (cfs)            291950800.0   22652390.0   158357400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18573.20     369.87   26673.75
  Min Ch El (ft)            565.43    Shear (lb/sq ft)            1.49       3.36       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.75      18.53       1.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    68324.83    3300.34   52019.04
  C & E Loss (ft)             0.00    Cum SA (acres)            821.92      17.50    1220.38


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268210.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.22  760.5 1406.93     760 1913.89     760 2309.28  768.97
 2391.48  768.97  2529.3    770 2737.51     770 2826.79   769.3 3132.13  750.49
 3660.61   720.6 3917.86  710.92 4522.46  700.28 4625.32  703.94 4756.69  708.77
 5544.46  698.61 5741.66  707.28 5985.65   691.4 6023.94  688.97 6696.55  688.97
 6942.84  687.45 7196.26  666.58 7296.19  658.97 7391.28  658.97 7515.52  670.19
 7788.68  698.22 7849.66  698.97 8032.09  696.91 8087.97  696.91 8127.27  694.85
 8259.14  689.13 8339.22  689.86 8468.35  697.17 8705.32  709.46 9093.96  727.94
 9329.96  727.94 9352.22   727.8 9494.54  721.89 9606.47  717.94 10467.2  711.48
10802.65  706.2811110.68  681.3511139.43  678.22 11295.1  666.8611540.37  651.33
11605.44  651.9612044.67  686.5712383.21     71012890.71  718.9712899.33  719.37
13081.89  726.5613309.81  719.9313375.25  718.51 13497.3  717.5113682.61     720
14052.85     72014109.95  712.9914198.99  702.2214479.27  702.7414672.12  722.58
14745.53     73015174.96     73015713.49  703.09 15898.6  662.0315915.69  657.92
16064.18  644.2816261.49  624.6716283.05  622.9316534.15  618.2216972.39   612.3
17085.84  611.0319446.17  611.0319665.38     62020038.75     62020442.15  593.09
20612.16  593.0920705.37  592.0620955.22  591.0321492.18  590.0121499.55  588.53
21537.23     580 21566.4  575.3221603.81  570.2321641.22  565.4321864.16  570.79
21905.13     58021983.84  604.2222042.18  616.8322237.18  660.5522296.84  664.49
22574.65  678.5622648.74  682.8623473.52  735.5423750.06  737.1624167.89  730.63
24413.76  732.06 24637.2  730.5525141.83  718.1825177.74  715.0925448.14  693.63
25593.98   685.225639.83  686.1825687.84  686.18 25930.6  695.1726294.53   707.6
26439.92  712.9926690.88  724.33 27178.9  742.3927384.41  749.1127756.83  747.49
28129.01  737.0228184.57   735.7 28887.2   721.828953.18  722.0629968.12  722.06
30326.41  731.03 31742.4  704.1232207.67  713.0932939.76  713.0933837.09  712.06
34000.99  712.0634349.32  712.8534455.68  711.0734820.64  704.1235226.14  704.12
35757.68     700 35763.3  699.7335908.62  649.7336066.07  603.0936090.12   604.7
 36200.3  612.6436664.57  624.03 37078.2  692.7537166.17  706.9137591.22  709.51
37734.76  708.3337788.47  708.6638159.81  715.0538631.61  719.8538924.71  721.03
39389.57  721.4539756.94  739.7239975.95  739.9240064.66  737.0140508.84  722.06
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41096.23     74041434.27  729.2341749.12  720.2341873.21  716.2841940.98  713.85
42041.91  713.4442380.68  724.1542544.52     73042628.29     73043617.86  705.39
43710.21  702.6243922.16  701.5444145.21  709.3744224.41  708.9744423.51  708.97
   44450  709.1144617.05  705.7744884.67     69945513.77   681.145646.99  680.68
45861.64  691.4445975.54  697.5146488.71  728.1446778.41  732.1147717.99  739.85
47881.32  742.3248349.79  749.7848477.69     75649305.56     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521537.23     .1521905.13     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21537.2321905.13             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.58    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.43    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1546005.00   69646.47   1237603.00
  E.G. Slope (ft/ft)      0.000286    Area (sq ft)            1546005.00   69646.47   1237603.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4941001.00   383489.10   2678644.00
  Top Width (ft)          45555.30    Top Width (ft)          18550.26     367.90   26637.14
  Vel Total (ft/s)            2.80    Avg. Vel. (ft/s)            3.20       5.51       2.16
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.34     189.31      46.46
  Conv. Total (cfs)       472896200.0    Conv. (cfs)            291958200.0   22659940.0   158278100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18573.86     370.01   26679.55
  Min Ch El (ft)            565.43    Shear (lb/sq ft)            1.49       3.37       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.76      18.53       1.80
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    68147.73    3292.36   51877.25
  C & E Loss (ft)             0.00    Cum SA (acres)            819.80      17.46    1217.33


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268205.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.25  760.51 1406.96     760 1913.93     760 2309.33  768.95
 2391.54  768.95 2529.36    770 2737.58     770 2826.85  769.28  3132.2  750.46
 3660.69  720.62 3917.95  710.94 4522.56  700.29 4625.42  703.93 4756.79  708.74
 5544.59  698.58 5741.79  707.22 5985.78  691.37 6024.07  688.95  6696.7  688.95
    6943  687.39 7196.42  666.54 7296.35  658.95 7391.45  658.95 7515.69  670.13
 7788.85  698.18 7849.83  698.95 8032.27  696.84 8088.15  696.84 8127.46  694.78
 8259.33  689.11 8339.41  689.86 8468.54  697.18 8705.51  709.47 9094.17  727.89
 9330.17  727.89 9352.43  727.75 9494.76  721.83 9606.68  717.8910467.43  711.45
10802.89   706.211110.93  681.2611139.68  678.1211295.35  666.7911540.63  651.36
 11605.7     65212044.94  686.6412383.48     71012890.99  718.9512899.62  719.35
13082.19  726.4913310.11  719.8213375.55  718.4113497.61  717.4613682.92     720
14053.17     72014110.26  713.0114199.31  702.2714479.59   702.814672.45   722.6
14745.86     730 15175.3     73015713.84  703.1615898.96  662.2115916.04   658.1
16064.54  644.4216261.85  624.7416283.41  622.9916534.52  618.2616972.77  612.32
17086.22  611.05 19446.6  611.0519665.82     620 20039.2     62020442.61  593.16
20612.62  593.1620705.83  592.1120955.69  591.0521492.66  590.0121500.03  588.54
21537.71     58021567.01  575.3121604.58  570.2221642.15  565.4321864.85  570.81
21905.77     580 21984.5  604.3422042.85  616.9222237.89  660.5622297.56  664.51
22575.43  678.4822649.53  682.7723474.49  735.4423751.08  737.0924169.01  730.64
24414.92  732.1124638.41  730.5725143.15  718.1425179.06  715.0525449.52  693.65
25595.39  685.3125641.24  686.3225689.27  686.3225932.08  695.2826296.09  707.66
26441.51  713.0326692.51   724.427180.64  742.4127386.19  749.0927758.69  747.44
28130.95  736.9528186.52  735.6328889.29  721.8428955.29  722.1129970.44  722.11
 30328.8  731.0531745.09  704.2232210.46  713.16 32942.7  713.1633840.21  712.11
34004.15  712.1134352.55  712.9234458.93  711.1434823.98  704.2235229.55  704.22
35761.21     70035766.82  699.7335912.18  649.6836069.66  603.1636093.72  604.76
36203.93   612.736668.28  624.1237082.01  692.7237169.99  706.8437595.14  709.43
 37738.7   708.237792.42  708.5338163.84  715.0138635.74  719.84 38928.9  721.05
39393.86  721.48 39761.3  739.7239980.36  739.9240069.09  737.0240513.36  722.11
41100.87     74041438.98  729.26 41753.9  720.3141878.01  716.37 41945.8  713.93
42046.75  713.5142385.59  724.1742549.46     73042633.25     73043623.02  705.45
 43715.4  702.6843927.39  701.5844150.48  709.3644229.71  708.9544428.84  708.95
44455.35  709.0944622.43  705.7944890.11  699.0345519.33  681.1345652.58  680.69
45867.27  691.41 45981.2  697.4646494.48   728.146784.24  732.1147724.02  739.84
47887.38  742.3148355.95  749.7748483.87  755.9949311.91     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521537.71     .1521905.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21537.7121905.77             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.58    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.43    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1546041.00   69672.70   1237334.00
  E.G. Slope (ft/ft)      0.000286    Area (sq ft)            1546041.00   69672.70   1237334.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4941771.00   383680.60   2677681.00
  Top Width (ft)          45561.96    Top Width (ft)          18551.06     368.06   26642.84
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.20       5.51       2.16
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.34     189.30      46.44
  Conv. Total (cfs)       472827800.0    Conv. (cfs)            291961500.0   22667980.0   158198300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18574.61     370.16   26685.17
  Min Ch El (ft)            565.43    Shear (lb/sq ft)            1.49       3.37       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.76      18.54       1.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    67970.63    3284.38   51735.49
  C & E Loss (ft)             0.00    Cum SA (acres)            817.67      17.42    1214.28


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268200.*

INPUT
Description:
Station Elevation Data    num=     174
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.27  760.53 1406.99     760 1913.97     760 2309.38  768.92
 2391.59  768.92 2529.41     770 2737.64     770 2826.91  769.27 3132.27  750.43
 3660.77  720.63 3918.04  710.96 4522.66   700.3 4625.53  703.92  4756.9  708.71
 5544.71  698.54 5741.92  707.15 5985.92  691.34 6024.21  688.92 6696.85  688.92
 6943.15  687.33 7196.58  666.49 7296.52  658.92 7391.62  658.92 7515.86  670.08
 7789.03  698.14 7850.01  698.92 8032.45  696.77 8088.33  696.77 8127.64  694.72
 8259.51  689.09 8339.59  689.85 8468.73  697.18 8705.71  709.47 9094.37  727.85
 9330.37  727.85 9352.64   727.7 9494.97  721.77  9606.9  717.8510467.67  711.42
10803.13  706.1111111.18  681.1811139.93  678.02 11295.6  666.7211540.89  651.39
11605.96  652.0412045.21   686.712383.76     71012891.28  718.9212899.91  719.33
13082.48  726.4113310.41  719.7213375.85  718.3113497.91   717.413683.23     720
14053.48     72014110.58  713.0314199.63  702.3314479.92  702.8614672.78  722.62
14746.19     73015175.64     73015714.19  703.2315899.31  662.39 15916.4  658.28
 16064.9  644.5716262.22   624.816283.78  623.0616534.89  618.2916973.15  612.34
17086.61  611.0819447.04  611.0819666.26     62020039.65     62020443.06  593.23
20613.09  593.2320706.29  592.1520956.16  591.0821493.15  590.0121500.51  588.54
21538.19     58021567.62  575.2921605.36  570.2121643.09  565.4221865.53  570.82
21906.41     58021985.15  604.4622043.52     617 22238.6  660.5722298.29  664.52
22576.21  678.4122650.32  682.6823475.46  735.3423752.11  737.0324170.12  730.65
24416.08  732.1524639.62  730.5825144.46   718.125180.38  715.0125450.89  693.67
 25596.8  685.4325642.66  686.46 25690.7  686.4625933.56   695.426297.64  707.72
26443.09  713.0726694.15  724.4727182.38  742.4327387.97  749.0727760.55  747.38
28132.88  736.8828188.47  735.5628891.39  721.88 28957.4  722.1529972.76  722.15
 30331.2  731.0831747.78  704.3132213.24  713.2332945.64  713.2333843.34  712.15
34007.32  712.1534355.79  712.9834462.19  711.2234827.31  704.3135232.97  704.31
35764.73     70035770.36  699.7235915.74  649.6336073.26  603.2336097.32  604.83
36207.55  612.76   36672  624.2137085.81  692.6937173.81  706.7737599.05  709.36
37742.64  708.0837796.38   708.438167.87  714.9738639.87  719.8438933.09  721.08
39398.14  721.5239765.66  739.7139984.77  739.9240073.52  737.0340517.88  722.15
41105.51     740 41443.7  729.2941758.68  720.3941882.82  716.4641950.62  714.02
42051.59  713.59 42390.5  724.1842554.41     73042638.21     73043628.19  705.52
43720.59  702.7443932.62  701.6144155.76  709.34   44235  708.9244434.18  708.92
44460.69  709.07 44627.8   705.844895.54  699.0645524.89  681.1545658.17  680.71
45872.91  691.3845986.86  697.4146500.25  728.0646790.07   732.147730.04  739.84
47893.43  742.31 48362.1  749.7748490.05  755.9749318.27     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521538.19     .1521906.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21538.1921906.41             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.57    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.43    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1546077.00   69702.51   1237086.00
  E.G. Slope (ft/ft)      0.000287    Area (sq ft)            1546077.00   69702.51   1237086.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4942491.00   383894.30   2676748.00
  Top Width (ft)          45568.72    Top Width (ft)          18551.78     368.22   26648.71
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.20       5.51       2.16
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.34     189.30      46.42
  Conv. Total (cfs)       472766400.0    Conv. (cfs)            291966100.0   22677660.0   158122700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18575.27     370.32   26690.97
  Min Ch El (ft)            565.42    Shear (lb/sq ft)            1.49       3.37       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.76      18.55       1.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    67793.52    3276.40   51593.76
  C & E Loss (ft)             0.00    Cum SA (acres)            815.55      17.38    1211.23


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268195.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1235.3  760.54 1407.02     760 1914.01     760 2309.43   768.9
 2391.64   768.9 2529.47     770  2737.7     770 2826.98  769.25 3132.34   750.4
 3660.85  720.64 3918.12  710.99 4522.76   700.3 4625.63  703.91 4757.01  708.69
 5544.84  698.51 5742.04  707.09 5986.05  691.31 6024.34   688.9    6697   688.9
 6943.31  687.27 7196.75  666.45 7296.68   658.9 7391.78   658.9 7516.03  670.03
  7789.2   698.1 7850.18   698.9 8032.63   696.7 8088.52   696.7 8127.82  694.65
  8259.7  689.08 8339.78  689.85 8468.92  697.19  8705.9  709.47 9094.57   727.8
 9330.58   727.8 9352.85  727.65 9495.18  721.72 9607.11   717.8 10467.9  711.39
10803.37  706.0311111.43   681.111140.18  677.9211295.86  666.6511541.15  651.42
11606.22  652.0912045.48  686.7612384.04     71012891.57   718.9 12900.2   719.3
13082.77  726.3313310.71  719.6113376.15  718.2113498.21  717.3513683.53     720
14053.79     720 14110.9  713.0514199.95  702.3814480.24  702.9214673.11  722.64
14746.52     73015175.98     73015714.54   703.315899.67  662.5715916.76  658.46
16065.26  644.7116262.58  624.8716284.14  623.1316535.26  618.3216973.53  612.36
17086.99   611.119447.47   611.1 19666.7     620 20040.1     62020443.52   593.3
20613.55   593.320706.76   592.220956.63   591.121493.63  590.01   21501  588.54
21538.67     58021568.23  575.2821606.13   570.221644.03  565.4221866.22  570.84
21907.05     58021985.81  604.5822044.19  617.09 22239.3  660.5822299.01  664.54
22576.99  678.3322651.12   682.623476.42  735.2423753.13  736.9624171.23  730.67
24417.25   732.224640.83  730.5925145.77  718.06 25181.7  714.9725452.27  693.68
25598.21  685.5525644.08   686.625692.13   686.625935.04  695.52 26299.2  707.78
26444.68  713.1226695.79  724.5327184.11  742.4527389.76  749.0527762.41  747.32
28134.82  736.8128190.42  735.4928893.49  721.9228959.51   722.229975.08   722.2
30333.59   731.131750.47   704.432216.03   713.332948.58   713.333846.47   712.2
34010.48   712.234359.02  713.0434465.45  711.2934830.64   704.435236.39   704.4
35768.26     70035773.88  699.71 35919.3  649.5836076.85   603.336100.92   604.9
36211.17  612.8236675.72   624.337089.61  692.6537177.63   706.737602.96  709.28
37746.58  707.9537800.33  708.28 38171.9  714.93   38644  719.8438937.28   721.1
39402.43  721.5539770.03   739.739989.18  739.9140077.94  737.04 40522.4   722.2
41110.16     74041448.41  729.3241763.45  720.4741887.62  716.5441955.43  714.11
42056.43  713.6742395.41   724.242559.35     73042643.17     73043633.36  705.58
43725.78   702.843937.86  701.6544161.04  709.3344240.29   708.944439.52   708.9
44466.03  709.0544633.18  705.8144900.97  699.0945530.45  681.1845663.76  680.73
45878.54  691.3545992.52  697.3746506.01  728.0146795.89   732.147736.06  739.84
47899.49   742.348368.25  749.7648496.23  755.9549324.62     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521538.67     .1521907.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      21538.6721907.05             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.57    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.43    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1546115.00   69729.13   1236830.00
  E.G. Slope (ft/ft)      0.000287    Area (sq ft)            1546115.00   69729.13   1236830.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4943241.00   384085.50   2675807.00
  Top Width (ft)          45575.55    Top Width (ft)          18552.58     368.38   26654.59
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.20       5.51       2.16
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.34     189.29      46.40
  Conv. Total (cfs)       472701200.0    Conv. (cfs)            291970100.0   22685830.0   158045300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18576.01     370.48   26696.76
  Min Ch El (ft)            565.42    Shear (lb/sq ft)            1.49       3.37       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.76      18.55       1.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    67616.41    3268.41   51452.06
  C & E Loss (ft)             0.00    Cum SA (acres)            813.42      17.33    1208.18


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268190.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.33  760.55 1407.06     760 1914.06     760 2309.48  768.88
  2391.7  768.88 2529.53     770 2737.76     770 2827.04  769.24 3132.41  750.38
 3660.94  720.66 3918.21  711.01 4522.86  700.31 4625.73   703.9 4757.11  708.66
 5544.96  698.48 5742.17  707.03 5986.18  691.28 6024.48  688.88 6697.15  688.88
 6943.46  687.21 7196.91  666.41 7296.84  658.88 7391.95  658.88  7516.2  669.98
 7789.37  698.06 7850.36  698.88 8032.81  696.63  8088.7  696.63    8128  694.59
 8259.88  689.06 8339.97  689.85 8469.11   697.2  8706.1  709.47 9094.78  727.75
 9330.79  727.75 9353.06   727.6  9495.4  721.66 9607.33  717.7510468.14  711.36
10803.62  705.9511111.67  681.0211140.43  677.8211296.11  666.5811541.41  651.45
11606.48  652.1312045.75  686.8212384.31     71012891.86  718.8812900.49  719.28
13083.07  726.25   13311  719.5113376.45  718.1113498.51  717.2913683.84     720
14054.11     72014111.21  713.0614200.27  702.4314480.57  702.9914673.44  722.66
14746.85     73015176.32     730 15714.9  703.3715900.03  662.7415917.11  658.65
16065.62  644.8616262.95  624.9416284.51  623.1916535.63  618.3516973.91  612.38
17087.37  611.1219447.91  611.1219667.14     62020040.54     62020443.98  593.37
20614.01  593.3720707.22  592.25 20957.1  591.1221494.11  590.0221501.48  588.55
21539.16     58021568.84  575.26 21606.9  570.1921644.96  565.42 21866.9  570.86
21907.69     58021986.47   604.722044.86  617.1822240.01   660.622299.73  664.55
22577.77  678.2622651.91  682.5123477.39  735.1423754.16   736.924172.34  730.68
24418.41  732.2524642.04   730.625147.09  718.0225183.02  714.9325453.65   693.7
25599.62  685.67 25645.5  686.7425693.55  686.7425936.52  695.6426300.75  707.84
26446.26  713.1626697.43   724.627185.85  742.4727391.54  749.0327764.27  747.26
28136.76  736.7428192.37  735.4328895.58  721.9628961.62  722.25 29977.4  722.25
30335.99  731.1231753.16   704.532218.82  713.3732951.52  713.3733849.59  712.25
34013.64  712.2534362.26  713.11 34468.7  711.3734833.98   704.5 35239.8   704.5
35771.79     70035777.41  699.7135922.86  649.5336080.45  603.3736104.52  604.96
36214.79  612.8836679.43  624.3937093.42  692.6237181.46  706.6337606.87   709.2
37750.52  707.8237804.28  708.1538175.93  714.8938648.12  719.8338941.47  721.12
39406.71  721.5839774.39   739.739993.58  739.9140082.37  737.0440526.92  722.25
 41114.8     74041453.12  729.3441768.23  720.5441892.42  716.6341960.25   714.2
42061.26  713.7542400.31  724.2142564.29     73042648.13     73043638.53  705.65
43730.96  702.8643943.09  701.6844166.32  709.3244245.59  708.8844444.85  708.88
44471.37  709.0344638.55  705.82 44906.4  699.1245536.02   681.245669.35  680.74
45884.18  691.3245998.18  697.3246511.78  727.9746801.72  732.0947742.08  739.83
47905.55  742.2948374.41  749.7648502.41  755.9449330.97     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521539.16     .1521907.69     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21539.1621907.69             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.57    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.14    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.43    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1546150.00   69753.90   1236564.00
  E.G. Slope (ft/ft)      0.000287    Area (sq ft)            1546150.00   69753.90   1236564.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4944018.00   384268.70   2674847.00
  Top Width (ft)          45582.04    Top Width (ft)          18553.22     368.53   26660.28
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.20       5.51       2.16
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.34     189.28      46.38
  Conv. Total (cfs)       472634900.0    Conv. (cfs)            291975100.0   22693460.0   157966400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18576.60     370.62   26702.38
  Min Ch El (ft)            565.42    Shear (lb/sq ft)            1.49       3.37       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.76      18.56       1.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    67439.29    3260.42   51310.39
  C & E Loss (ft)             0.00    Cum SA (acres)            811.30      17.29    1205.12


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268185.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.36  760.56 1407.09     760  1914.1     760 2309.53  768.85
 2391.75  768.85 2529.58     770 2737.82     770  2827.1  769.22 3132.48  750.35
 3661.02  720.67  3918.3  711.03 4522.96  700.32 4625.84  703.89 4757.22  708.63
 5545.09  698.45  5742.3  706.97 5986.32  691.25 6024.61  688.85  6697.3  688.85
 6943.62  687.16 7197.07  666.36 7297.01  658.85 7392.11  658.85 7516.36  669.92
 7789.55  698.01 7850.54  698.85 8032.99  696.56 8088.88  696.56 8128.18  694.52
 8260.07  689.04 8340.15  689.84  8469.3  697.21 8706.29  709.47 9094.98   727.7
    9331   727.7 9353.26  727.55 9495.61   721.6 9607.54   717.710468.37  711.33
10803.86  705.8611111.92  680.9411140.68  677.7211296.36  666.5111541.67  651.48
11606.74  652.1812046.02  686.8812384.59     71012892.15  718.8512900.78  719.25
13083.36  726.17 13311.3  719.4113376.75  718.0113498.81  717.2313684.15     720
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14054.42     72014111.53  713.0814200.58  702.4814480.89  703.0514673.77  722.68
14747.18     73015176.66     73015715.25  703.4415900.38  662.9215917.47  658.83
16065.98     64516263.31     62516284.87  623.26   16536  618.3816974.29   612.4
17087.75  611.1519448.34  611.1519667.58     62020040.99     62020444.44  593.44
20614.47  593.4420707.68   592.320957.57  591.1521494.59  590.0221501.96  588.55
21539.64     58021569.45  575.2521607.68  570.17 21645.9  565.4221867.59  570.88
21908.33     58021987.12  604.8222045.52  617.2622240.72  660.6122300.45  664.57
22578.55  678.1822652.71  682.4323478.36  735.0323755.18  736.8324173.45   730.7
24419.57   732.324643.25  730.62 25148.4  717.9725184.35  714.8925455.03  693.72
25601.02  685.7925646.92  686.8925694.98  686.89   25938  695.7526302.31   707.9
26447.85  713.2126699.06  724.6727187.59  742.4927393.32  749.0127766.12  747.21
28138.69  736.6728194.31  735.3628897.68     72228963.72   722.329979.72   722.3
30338.38  731.1531755.85  704.5932221.61  713.4432954.46  713.4433852.72   712.3
 34016.8   712.334365.49  713.1734471.96  711.4534837.31  704.5935243.22  704.59
35775.32     70035780.94   699.735926.42  649.4836084.04  603.4436108.11  605.03
36218.41  612.9336683.15  624.4837097.22  692.5937185.28  706.5637610.78  709.13
37754.46   707.737808.23  708.0238179.96  714.8538652.25  719.8338945.66  721.15
   39411  721.6239778.75  739.6939997.99  739.91 40086.8  737.0540531.44   722.3
41119.44     74041457.83  729.3741773.01  720.6241897.23  716.7241965.07  714.28
 42066.1  713.8342405.22  724.2342569.24     73042653.09     730 43643.7  705.71
43736.15  702.9243948.32  701.7244171.59   709.344250.88  708.8544450.18  708.85
44476.71  709.0144643.93  705.8344911.83  699.1545541.58  681.2345674.94  680.76
45889.82  691.2946003.84  697.2846517.54  727.9346807.55  732.0947748.11  739.83
 47911.6  742.2948380.56  749.7548508.59  755.9249337.33     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521539.64     .1521908.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21539.6421908.33             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.57    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.43    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1546189.00   69780.88   1236279.00
  E.G. Slope (ft/ft)      0.000287    Area (sq ft)            1546189.00   69780.88   1236279.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4944833.00   384467.70   2673833.00
  Top Width (ft)          45588.88    Top Width (ft)          18554.03     368.69   26666.16
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.20       5.51       2.16
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.33     189.27      46.36
  Conv. Total (cfs)       472564400.0    Conv. (cfs)             291979600.0   22701820.0   157882900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18577.34     370.77   26708.17
  Min Ch El (ft)            565.42    Shear (lb/sq ft)            1.49       3.37       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.77      18.57       1.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    67262.17    3252.43   51168.76
  C & E Loss (ft)             0.00    Cum SA (acres)            809.17      17.25    1202.07


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268180.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.38  760.57 1407.12     760 1914.14     760 2309.59  768.83
  2391.8  768.83 2529.64     770 2737.88     770 2827.17  769.21 3132.55  750.32
  3661.1  720.68 3918.39  711.05 4523.06  700.32 4625.94  703.88 4757.33   708.6
 5545.21  698.42 5742.43  706.91 5986.45  691.22 6024.75  688.83 6697.45  688.83
 6943.78   687.1 7197.23  666.32 7297.17  658.83 7392.28  658.83 7516.53  669.87
 7789.72  697.97 7850.71  698.83 8033.17  696.49 8089.06  696.49 8128.37  694.46
 8260.25  689.02 8340.34  689.84 8469.49  697.21 8706.49  709.47 9095.19  727.66
 9331.21  727.66 9353.47   727.5 9495.82  721.54 9607.76  717.6610468.61   711.3
 10804.1  705.7811112.17  680.8611140.93  677.6211296.61  666.4411541.92  651.51
   11607  652.2212046.29  686.9412384.87     71012892.44  718.8312901.07  719.23
13083.65   726.1 13311.6   719.313377.05  717.9113499.12  717.1813684.45     720
14054.74     72014111.84   713.1 14200.9  702.5314481.22  703.11 14674.1   722.7
14747.51     730   15177     730 15715.6  703.5115900.74   663.115917.83  659.01
16066.34  645.1516263.67  625.0716285.24  623.3316536.37  618.4116974.67  612.42
17088.14  611.1719448.78  611.1719668.03     62020041.44     62020444.89  593.51
20614.93  593.5120708.15  592.3420958.04  591.1721495.07  590.0221502.44  588.56
21540.12     58021570.06  575.2421608.45  570.1621646.84  565.4221868.28  570.89
21908.97     58021987.78  604.9422046.19  617.3522241.43  660.6222301.17  664.58
22579.33  678.11 22653.5  682.3423479.32  734.9323756.21  736.7724174.56  730.71
24420.73  732.3424644.46  730.6325149.72  717.9325185.67  714.8525456.41  693.73
25602.43  685.9125648.34  687.0325696.41  687.0325939.47  695.8726303.86  707.96
26449.43  713.25 26700.7  724.7427189.33  742.51 27395.1  748.9927767.98  747.15
28140.63   736.628196.26  735.2928899.77  722.0428965.83  722.3429982.04  722.34
30340.78  731.1731758.54  704.68 32224.4  713.51 32957.4  713.5133855.85  712.34
34019.96  712.3434368.73  713.2434475.21  711.5234840.64  704.6835246.64  704.68
35778.85     70035784.47   699.735929.98  649.4336087.63  603.5136111.71  605.09
36222.03  612.9936686.87  624.5737101.03  692.55 37189.1  706.4937614.69  709.05
 37758.4  707.5737812.18  707.8938183.99  714.8238656.38  719.8238949.85  721.17
39415.29  721.6539783.11  739.68 40002.4  739.9140091.22  737.0640535.96  722.34
41124.08     74041462.54   729.441777.79   720.741902.03  716.8141969.89  714.37
42070.94  713.9142410.13  724.2442574.18     73042658.05     73043648.86  705.77
43741.34  702.9843953.55  701.7544176.87  709.2944256.18  708.8344455.52  708.83
44482.05  708.99 44649.3  705.8444917.26  699.1845547.14  681.2545680.53  680.77
45895.45  691.26 46009.5  697.2346523.31  727.8946813.37  732.0847754.13  739.83
47917.66  742.2848386.71  749.7548514.77  755.9149343.68     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521540.12     .1521908.97     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21540.1221908.97             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.57    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.42    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1546229.00   69809.20   1236060.00
  E.G. Slope (ft/ft)      0.000287    Area (sq ft)            1546229.00   69809.20   1236060.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4945496.00   384662.80   2672975.00
  Top Width (ft)          45595.45    Top Width (ft)          18554.74     368.85   26671.85
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.20       5.51       2.16
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  Max Chl Dpth (ft)          194.00    Hydr. Depth (ft)           83.33     189.26      46.34
  Conv. Total (cfs)        472510300.0    Conv. (cfs)            291985300.0    22710750.0   157814200.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)         18578.01     370.93   26713.80
  Min Ch El (ft)             565.42    Shear (lb/sq ft)             1.49       3.37       0.83
  Alpha                        1.19    Stream Power (lb/ft s)       4.77      18.57       1.79
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)     67085.05    3244.44   51027.15
  C & E Loss (ft)              0.00    Cum SA (acres)             807.05      17.21    1199.01


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268175.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.41  760.58 1407.15     760 1914.19     760 2309.64  768.81
 2391.86  768.81  2529.7     770 2737.94     770 2827.23  769.19 3132.62  750.29
 3661.18   720.7 3918.48  711.07 4523.17  700.33 4626.04  703.87 4757.43  708.57
 5545.33  698.39 5742.56  706.85 5986.59  691.19 6024.88  688.81  6697.6  688.81
 6943.93  687.04 7197.39  666.28 7297.33  658.81 7392.44  658.81  7516.7  669.82
  7789.9  697.93 7850.89  698.81 8033.35  696.42 8089.24  696.42 8128.55  694.39
 8260.44     689 8340.53  689.84 8469.68  697.22 8706.68  709.47 9095.39  727.61
 9331.42  727.61 9353.68  727.45 9496.03  721.49 9607.97  717.6110468.84  711.28
10804.34  705.6911112.42  680.7711141.18  677.5211296.87  666.3711542.18  651.54
11607.26  652.2712046.55     68712385.15     71012892.73  718.8112901.36   719.2
13083.94  726.02 13311.9   719.213377.35  717.8113499.42  717.1213684.76     720
14055.05     72014112.16  713.1214201.22  702.5814481.54  703.1714674.42  722.72
14747.85     73015177.34     73015715.95  703.58 15901.1  663.2815918.18  659.19
 16066.7  645.2916264.04  625.13 16285.6  623.3916536.74  618.4416975.05  612.44
17088.52  611.1919449.21  611.1919668.46     62020041.89     62020445.35  593.58
20615.39  593.5820708.61  592.3920958.51  591.1921495.55  590.0221502.92  588.56
 21540.6     58021570.67  575.2221609.22  570.1521647.78  565.4221868.96  570.91
21909.61     58021988.43  605.0622046.86  617.4422242.14  660.6322301.89  664.59
22580.11  678.03 22654.3  682.2623480.29  734.8323757.23   736.724175.67  730.73
 24421.9  732.3924645.66  730.6425151.03  717.8925186.99  714.8125457.79  693.75
25603.84  686.0225649.75  687.1725697.84  687.1725940.96  695.9926305.42  708.01
26451.02   713.326702.34   724.827191.07  742.5327396.88  748.9727769.84  747.09
28142.57  736.5228198.21  735.2328901.87  722.0828967.94  722.3929984.36  722.39
30343.17  731.1931761.23  704.7832227.18  713.5832960.34  713.5833858.98  712.39
34023.12  712.3934371.96   713.334478.47   711.634843.98  704.7835250.06  704.78
35782.38     700   35788  699.6935933.54  649.3736091.22  603.5836115.31  605.16
36225.65  613.0536690.59  624.6737104.83  692.5237192.92  706.42 37618.6  708.97
37762.34  707.4437816.13  707.7738188.02  714.7838660.51  719.8238954.04  721.19
39419.57  721.6839787.48  739.68 40006.8  739.9140095.65  737.0740540.47  722.39
41128.72     74041467.25  729.4341782.56  720.7841906.83   716.941974.71  714.46
42075.78  713.9842415.04  724.2642579.12     73042663.02     73043654.03  705.84
43746.52  703.0443958.78  701.7944182.15  709.2744261.47  708.8144460.86  708.81
44487.39  708.9744654.68  705.85 44922.7  699.2145552.71  681.2845686.12  680.79
45901.09  691.2346015.16  697.1946529.07  727.85 46819.2  732.0847760.15  739.82
47923.71  742.2848392.87  749.7448520.95  755.8949350.04     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21540.6     .1521909.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21540.621909.61             4.99    4.99    4.99              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.57    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.42    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                       Flow Area (sq ft)       1546271.00   69835.79   1235770.00
  E.G. Slope (ft/ft)       0.000287    Area (sq ft)            1546271.00   69835.79   1235770.00
  Q Total (cfs)            8003133.00    Flow (cfs)             4946328.00   384859.80   2671945.00
  Top Width (ft)           45602.27    Top Width (ft)          18555.54     369.01   26677.73
  Vel Total (ft/s)             2.81    Avg. Vel. (ft/s)            3.20       5.51       2.16
  Max Chl Dpth (ft)          194.00    Hydr. Depth (ft)           83.33     189.25      46.32
  Conv. Total (cfs)        472439400.0    Conv. (cfs)            291990700.0    22718970.0   157729800.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)         18578.75     371.08   26719.59
  Min Ch El (ft)             565.42    Shear (lb/sq ft)            1.49       3.37       0.83
  Alpha                        1.19    Stream Power (lb/ft s)       4.77      18.58       1.79
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)     66907.91    3236.44   50885.57
  C & E Loss (ft)              0.00    Cum SA (acres)             804.92      17.16    1195.96


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268170.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.44  760.59 1407.18     760 1914.23     760 2309.69  768.78
 2391.91  768.78 2529.75     770    2738     770 2827.29  769.17 3132.69  750.27
 3661.26  720.71 3918.56  711.09 4523.27  700.34 4626.15  703.86 4757.54  708.55
 5545.46  698.35 5742.69  706.78 5986.72  691.16 6025.02  688.78 6697.75  688.78
 6944.09  686.98 7197.55  666.23  7297.5  658.78 7392.61  658.78 7516.87  669.76
 7790.07  697.89 7851.06  698.78 8033.53  696.35 8089.42  696.35 8128.73  694.33
 8260.62  688.98 8340.71  689.83 8469.87  697.23 8706.88  709.48 9095.59  727.56
 9331.63  727.56 9353.89   727.4 9496.25  721.43 9608.19  717.5610469.08  711.24
10804.58  705.6111112.67  680.6911141.43  677.4211297.12   666.311542.44  651.57
11607.52  652.3112046.82  687.0612385.42     71012893.02  718.7812901.65  719.18
13084.24  725.94 13312.2  719.0913377.65  717.7113499.72  717.0613685.07     720
14055.37     72014112.48  713.1414201.54  702.6314481.87  703.2414674.75  722.74
14748.18     73015177.68     730 15716.3  703.6515901.45  663.4515918.54  659.37
16067.06  645.44 16264.4   625.216285.97  623.4616537.11  618.4716975.43  612.46
 17088.9  611.2219449.65  611.2219668.91     62020042.34     62020445.81  593.65
20615.86  593.6520709.07  592.4420958.97  591.2221496.03  590.02 21503.4  588.56
21541.09     58021571.28  575.21   21610  570.1421648.71  565.4121869.65  570.93
21910.25     58021989.09  605.1822047.53  617.5222242.85  660.6522302.61  664.61
22580.88  677.9622655.09  682.1723481.25  734.7323758.25  736.6424176.79  730.74
24423.06  732.4424646.87  730.6525152.35  717.8525188.31  714.7725459.16  693.77
25605.25  686.1425651.17  687.3125699.27  687.3125942.43   696.126306.97  708.07
 26452.6  713.3426703.97  724.8727192.81  742.5527398.67  748.9527771.71  747.04
28144.51  736.4528200.16  735.1628903.96  722.1228970.05  722.4429986.69  722.44
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30345.57  731.2231763.93  704.8732229.97  713.6532963.28  713.6533862.11  712.44
34026.29  712.44 34375.2  713.3734481.73  711.6734847.31  704.8735253.47  704.87
 35785.9     70035791.53  699.68 35937.1  649.3236094.81  603.6536118.91  605.23
36229.27  613.11 36694.3  624.7637108.63  692.4937196.74  706.3537622.51  708.89
37766.29  707.3237820.09  707.6438192.05  714.7438664.64  719.8238958.22  721.22
39423.86  721.7139791.84  739.6740011.21  739.9140100.07  737.0840544.99  722.44
41133.36     74041471.96  729.4641787.34  720.8641911.64  716.9841979.52  714.55
42080.62  714.0642419.95  724.2742584.07     73042667.98     730 43659.2   705.9
43751.71   703.143964.01  701.8244187.43  709.2644266.76  708.7844466.19  708.78
44492.73  708.9544660.05  705.8644928.12  699.2345558.27   681.345691.71   680.8
45906.72   691.246020.82  697.1446534.84   727.846825.03  732.0747766.17  739.82
47929.77  742.2748399.02  749.7448527.13  755.8849356.39     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521541.09     .1521910.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21541.0921910.25             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.57    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.42    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1546309.00   69861.95   1235515.00
  E.G. Slope (ft/ft)      0.000287    Area (sq ft)            1546309.00   69861.95   1235515.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4947075.00   385051.10   2671008.00
  Top Width (ft)          45608.85    Top Width (ft)          18556.26     369.16   26683.43
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.20       5.51       2.16
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.33     189.25      46.30
  Conv. Total (cfs)       472376000.0    Conv. (cfs)            291995600.0   22727210.0   157653200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18579.42     371.23   26725.21
  Min Ch El (ft)            565.41    Shear (lb/sq ft)            1.49       3.37       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.77      18.59       1.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    66730.78    3228.44   50744.02
  C & E Loss (ft)             0.00    Cum SA (acres)            802.80      17.12    1192.90


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268165.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.47  760.61 1407.21     760 1914.27     760 2309.74  768.76
 2391.97  768.76 2529.81     770 2738.07     770 2827.36  769.16 3132.76  750.24
 3661.35  720.73 3918.65  711.11 4523.37  700.34 4626.25  703.85 4757.65  708.52
 5545.58  698.32 5742.82  706.72 5986.85  691.13 6025.15  688.76  6697.9  688.76
 6944.24  686.92 7197.71  666.19 7297.66  658.76 7392.77  658.76 7517.04  669.71
 7790.25  697.85 7851.24  698.76 8033.71  696.28  8089.6  696.28 8128.91  694.27
 8260.81  688.96  8340.9  689.83 8470.06  697.24 8707.07  709.48  9095.8  727.52
 9331.84  727.52  9354.1  727.35 9496.46  721.37  9608.4  717.5210469.31  711.22
10804.83  705.5211112.92  680.6111141.68  677.3211297.37  666.23 11542.7   651.6
11607.78  652.3612047.09  687.13 12385.7     710 12893.3  718.7612901.93  719.15
13084.53  725.86 13312.5  718.9913377.95  717.6113500.02  717.0113685.37     720
14055.68     72014112.79  713.1614201.86  702.6814482.19   703.314675.08  722.76
14748.51     73015178.02     73015716.66  703.7215901.81  663.63 15918.9  659.55
16067.42  645.5816264.77  625.2716286.33  623.5316537.48   618.516975.81  612.48
17089.29  611.2419450.09  611.2419669.35     62020042.79     62020446.27  593.72
20616.32  593.7220709.54  592.4820959.45  591.2421496.52  590.0221503.88  588.57
21541.57     58021571.89   575.221610.77  570.1321649.65  565.4121870.33  570.95
21910.88     58021989.75   605.3 22048.2  617.6122243.55  660.6622303.33  664.62
22581.66  677.8922655.88  682.0823482.22  734.6323759.28  736.57 24177.9  730.75
24424.22  732.4824648.08  730.6725153.66  717.8125189.63  714.7425460.54  693.78
25606.66  686.2625652.59  687.45 25700.7  687.4525943.91  696.2226308.53  708.13
26454.19  713.3926705.61  724.9427194.55  742.5727400.45  748.9327773.56  746.98
28146.44  736.3828202.11  735.0928906.06  722.1628972.16  722.4829989.01  722.48
30347.96  731.2431766.62  704.9632232.76  713.7232966.22  713.7233865.23  712.48
34029.45  712.4834378.43  713.4334484.98  711.7534850.64  704.9635256.89  704.96
35789.43     70035795.06  699.6835940.66  649.2736098.41  603.72 36122.5  605.29
36232.89  613.1736698.02  624.8537112.44  692.4537200.57  706.2837626.42  708.82
37770.23  707.1937824.04  707.5138196.07   714.738668.76  719.8138962.41  721.24
39428.14  721.75 39796.2  739.6640015.62   739.9 40104.5  737.0840549.51  722.48
   41138     74041476.68  729.4941792.12  720.9341916.44  717.0741984.34  714.63
42085.46  714.1442424.86  724.2942589.01     73042672.94     73043664.36  705.97
 43756.9  703.1643969.24  701.8644192.71  709.2444272.06  708.7644471.53  708.76
44498.07  708.9344665.43  705.8744933.56  699.2645563.83  681.33 45697.3  680.82
45912.36  691.1746026.47  697.0946540.61  727.7646830.85  732.06 47772.2  739.82
47935.83  742.2648405.18  749.7348533.32  755.8649362.74     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521541.57     .1521910.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21541.5721910.88             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.56    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.42    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1546337.00   69886.76   1235288.00
  E.G. Slope (ft/ft)      0.000287    Area (sq ft)            1546337.00   69886.76   1235288.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4947751.00   385229.60   2670153.00
  Top Width (ft)          45615.61    Top Width (ft)          18556.98     369.31   26689.32
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.20       5.51       2.16
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.33     189.24      46.28
  Conv. Total (cfs)       472314500.0    Conv. (cfs)            291997400.0   22734790.0   157582300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18580.08     371.37   26731.03
  Min Ch El (ft)            565.41    Shear (lb/sq ft)            1.49       3.37       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.77      18.59       1.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    66553.64    3220.43   50602.50
  C & E Loss (ft)             0.00    Cum SA (acres)            800.67      17.08    1189.84


CROSS SECTION
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RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268160.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1235.49  760.62 1407.24     760 1914.32     760 2309.79  768.74
  2392.02  768.74 2529.87     770 2738.13     770 2827.42  769.14 3132.83  750.21
  3661.43  720.74 3918.74  711.13 4523.47  700.35 4626.35  703.84 4757.75  708.49
  5545.71  698.29 5742.95  706.66 5986.99  691.11 6025.29  688.74 6698.05  688.74
   6944.4  686.87 7197.87  666.15 7297.83  658.74 7392.94  658.74 7517.21  669.66
  7790.42  697.81 7851.41  698.74 8033.89  696.21 8089.78  696.21 8129.09   694.2
  8260.99  688.94 8341.09  689.83 8470.25  697.24 8707.27  709.48    9096  727.47
  9332.05  727.47 9354.31   727.3 9496.67  721.32 9608.62  717.4710469.54  711.19
 10805.07  705.4411113.17  680.5311141.93  677.2211297.63  666.1611542.96  651.63
 11608.04   652.412047.36  687.1912385.98     71012893.59  718.7412902.22  719.13
 13084.82  725.7813312.79  718.8813378.25  717.5113500.33  716.9513685.68     720
    14056     72014113.11  713.1714202.17  702.7314482.51  703.3614675.41  722.77
 14748.84     73015178.36     73015717.01  703.7915902.16  663.8115919.25  659.73
 16067.78  645.7316265.13  625.33 16286.7  623.5916537.85  618.5316976.19   612.5
 17089.67  611.2619450.52  611.2619669.79     62020043.24     62020446.73  593.79
 20616.78  593.79   20710  592.5320959.91  591.26   21497  590.0221504.37  588.57
 21542.05     580 21572.5  575.1821611.54  570.1221650.59  565.4121871.02  570.97
 21911.53     580 21990.4  605.4222048.86   617.722244.26  660.6722304.05  664.64
 22582.44  677.8122656.68     68223483.19  734.53 23760.3  736.5124179.01  730.77
 24425.38  732.5324649.29  730.6825154.97  717.7725190.96   714.725461.92   693.8
 25608.07  686.3825654.01  687.5925702.12  687.5925945.39  696.3426310.08  708.19
 26455.77  713.4326707.25     72527196.29  742.5927402.23  748.9127775.42  746.92
 28148.38  736.3128204.06  735.0228908.15   722.228974.27  722.5329991.33  722.53
 30350.36  731.2631769.31  705.0632235.55  713.7932969.16  713.7933868.36  712.53
 34032.61  712.5334381.66   713.534488.24  711.8234853.97  705.0635260.31  705.06
 35792.96     70035798.59  699.6735944.22  649.22   36102  603.79 36126.1  605.36
 36236.51  613.2336701.74  624.9437116.24  692.4237204.39  706.2137630.33  708.74
 37774.17  707.0737827.99  707.3938200.11  714.6638672.89  719.81 38966.6  721.26
 39432.43  721.7839800.56  739.6640020.03   739.940108.93  737.0940554.03  722.53
 41142.64     74041481.39  729.51 41796.9  721.0141921.24  717.1641989.16  714.72
  42090.3  714.2242429.77   724.342593.96     730 42677.9     73043669.53  706.03
 43762.09  703.2243974.47  701.8944197.98  709.2344277.35  708.7444476.86  708.74
 44503.41  708.9144670.81  705.8844938.99  699.2945569.39  681.3545702.89  680.83
 45917.99  691.1446032.13  697.0546546.38  727.7246836.68  732.0647778.22  739.81
 47941.89  742.2648411.33  749.73 48539.5  755.84 49369.1     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1521542.05     .1521911.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21542.0521911.53             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.56    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.42    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1546385.00   69915.26   1235005.00
  E.G. Slope (ft/ft)      0.000287    Area (sq ft)            1546385.00   69915.26   1235005.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4948576.00   385434.30   2669123.00
  Top Width (ft)          45622.43    Top Width (ft)          18557.77     369.48   26695.18
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.20       5.51       2.16
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.33     189.23      46.26
  Conv. Total (cfs)       472247600.0    Conv. (cfs)            292004800.0   22743640.0   157499100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18580.82     371.53   26736.83
  Min Ch El (ft)            565.41    Shear (lb/sq ft)            1.49       3.37       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.78      18.60       1.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    66376.50    3212.42   50461.01
  C & E Loss (ft)             0.00    Cum SA (acres)            798.54      17.04    1186.79


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268155.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1235.52  760.63 1407.28     760 1914.36     760 2309.84  768.71
  2392.07  768.71 2529.92     770 2738.19     770 2827.48  769.13  3132.9  750.18
  3661.51  720.75 3918.83  711.15 4523.57  700.35 4626.46  703.83 4757.86  708.46
  5545.83  698.26 5743.07   706.6 5987.12  691.08 6025.42  688.71  6698.2  688.71
  6944.55  686.81 7198.03   666.1 7297.99  658.71 7393.11  658.71 7517.37  669.61
   7790.6  697.77 7851.59  698.71 8034.07  696.14 8089.96  696.14 8129.28  694.14
  8261.17  688.92 8341.27  689.83 8470.43  697.25 8707.46  709.48  9096.2  727.42
  9332.25  727.42 9354.52  727.25 9496.88  721.26 9608.83  717.4210469.78  711.16
 10805.31  705.3511113.42  680.4511142.18  677.1211297.88  666.0911543.22  651.66
  11608.3  652.4412047.63  687.2512386.26     71012893.88  718.7112902.51  719.11
 13085.12  725.7113313.09  718.7813378.55  717.4113500.63  716.8913685.99     720
 14056.31     72014113.42  713.1914202.49  702.7814482.84  703.4214675.74  722.79
 14749.17     730 15178.7     73015717.36  703.8615902.52  663.9815919.61  659.91
 16068.14  645.88 16265.5   625.416287.06  623.6616538.22  618.5616976.57  612.52
 17090.05  611.2919450.96  611.2919670.23     62020043.69     62020447.19  593.86
 20617.24  593.8620710.47  592.5820960.38  591.2921497.48  590.0221504.85  588.58
 21542.53     58021573.11  575.1721612.32  570.1121651.52  565.41 21871.7  570.98
 21912.16     58021991.06  605.5422049.53  617.7822244.97  660.6822304.77  664.65
 22583.22  677.7422657.47  681.9123484.15  734.4323761.33  736.4424180.12  730.78
 24426.54  732.58 24650.5  730.6925156.29  717.7325192.28  714.66 25463.3  693.82
 25609.47   686.525655.43  687.7325703.55  687.7325946.87  696.4526311.64  708.25
 26457.36  713.4726708.89  725.0727198.03  742.6127404.01  748.8927777.28  746.87
 28150.32  736.2428206.01  734.9628910.25  722.2428976.38  722.5829993.65  722.58
 30352.76  731.29   31772  705.1532238.34  713.86 32972.1  713.8633871.49  712.58
 34035.77  712.58 34384.9  713.56 34491.5   711.9 34857.3  705.1535263.73  705.15
 35796.49     70035802.12  699.6635947.78  649.1736105.59  603.86 36129.7  605.43
 36240.13  613.2936705.46  625.0337120.04  692.3937208.21  706.1437634.24  708.66
 37778.11  706.9437831.94  707.2638204.13  714.6238677.02  719.8138970.79  721.29
 39436.71  721.8139804.93  739.6540024.44   739.940113.36   737.140558.55  722.58
 41147.29     740 41486.1  729.5441801.68  721.0941926.05  717.2541993.98  714.81
 42095.14   714.342434.68  724.32 42598.9     73042682.86     730 43674.7   706.1
 43767.27  703.28 43979.7  701.9344203.26  709.2244282.64  708.71 44482.2  708.71
 44508.76  708.8944676.18   705.944944.42  699.3245574.96  681.3845708.48  680.85
 45923.63  691.1146037.79     69746552.14  727.6846842.51  732.0547784.24  739.81
 47947.94  742.2548417.49  749.7248545.68  755.8349375.45     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521542.53     .1521912.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21542.5321912.16             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.56    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.42    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1546422.00   69941.71   1234730.00
  E.G. Slope (ft/ft)      0.000287    Area (sq ft)            1546422.00   69941.71   1234730.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4949363.00   385630.30   2668140.00
  Top Width (ft)          45629.01    Top Width (ft)          18558.49     369.63   26700.89
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.20       5.51       2.16
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.33     189.22      46.24
  Conv. Total (cfs)       472179800.0    Conv. (cfs)            292009300.0   22751950.0   157418600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18581.49     371.68   26742.46
  Min Ch El (ft)            565.41    Shear (lb/sq ft)            1.49       3.37       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.78      18.61       1.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    66199.35    3204.41   50319.55
  C & E Loss (ft)             0.00    Cum SA (acres)            796.42      17.00    1183.73


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268150.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.55  760.64 1407.31     760  1914.4     760  2309.9  768.69
 2392.13  768.69 2529.98    770 2738.25     770 2827.55  769.11 3132.97  750.16
 3661.59  720.77 3918.91  711.17 4523.67  700.36 4626.56  703.82 4757.97  708.44
 5545.96  698.23  5743.2  706.54 5987.26  691.05 6025.56  688.69 6698.35  688.69
 6944.71  686.75  7198.2  666.06 7298.15  658.69 7393.27  658.69 7517.54  669.55
 7790.77  697.73 7851.77  698.69 8034.25  696.07 8090.15  696.07 8129.46  694.07
 8261.36   688.9 8341.46  689.82 8470.62  697.26 8707.66  709.48 9096.41  727.38
 9332.46  727.38 9354.73   727.2  9497.1   721.2 9609.05  717.3810470.01  711.13
10805.55  705.2711113.67  680.3611142.43  677.0211298.13  666.0211543.48  651.69
11608.56  652.49 12047.9  687.3112386.53     71012894.17  718.69 12902.8  719.08
13085.41  725.6313313.39  718.6813378.85  717.3113500.93  716.8413686.29     720
14056.63     72014113.74  713.2114202.81  702.8314483.16  703.4814676.07  722.81
 14749.5     73015179.04     73015717.71  703.9315902.88  664.1615919.96  660.09
 16068.5  646.0216265.86  625.4616287.43  623.7316538.59  618.5916976.95  612.54
17090.43  611.3119451.39  611.3119670.67     62020044.14     62020447.64  593.93
 20617.7  593.9320710.93  592.6220960.85  591.3121497.96  590.0221505.33  588.58
21543.02     58021573.72  575.1521613.09   570.121652.46  565.4121872.39     571
 21912.8     58021991.71  605.66 22050.2  617.8722245.68   660.7 22305.5  664.67
   22584  677.6622658.27  681.8323485.12  734.3323762.35  736.3824181.23   730.8
24427.71  732.6224651.71  730.71 25157.6  717.69 25193.6  714.6225464.68  693.83
25610.88  686.6125656.85  687.8725704.98  687.8725948.35  696.5726313.19  708.31
26458.94  713.5226710.53  725.1427199.77  742.6327405.79  748.8727779.14  746.81
28152.26  736.1728207.96  734.8928912.34  722.2928978.49  722.6229995.97  722.62
30355.15  731.3131774.69  705.2532241.12  713.9332975.04  713.9333874.62  712.62
34038.93  712.6234388.14  713.6334494.75  711.9734860.64  705.2535267.14  705.25
35800.02     70035805.65  699.6635951.34  649.1236109.18  603.93 36133.3  605.49
36243.75  613.3536709.17  625.1237123.85  692.3537212.03  706.0737638.15  708.59
37782.05  706.8137835.89  707.1338208.16  714.5838681.14   719.838974.98  721.31
   39441  721.8539809.29  739.6540028.85   739.940117.78  737.1140563.07  722.62
41151.93     74041490.82  729.5741806.45  721.1741930.85  717.34 41998.8   714.9
42099.97  714.3742439.59  724.3442603.84     73042687.82     73043679.87  706.16
43772.46  703.3443984.93  701.9644208.54   709.244287.94  708.6944487.54  708.69
 44514.1  708.8744681.56  705.9144949.85  699.3545580.52   681.445714.08  680.86
45929.26  691.0846043.45  696.9646557.91  727.6346848.33  732.0547790.26  739.81
   47954  742.2548423.64  749.7248551.86  755.81 49381.8     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521543.02     .15 21912.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21543.02 21912.8             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.56    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.41    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1546453.00   69967.02   1234463.00
  E.G. Slope (ft/ft)      0.000287    Area (sq ft)            1546453.00   69967.02   1234463.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4950133.00   385818.90   2667181.00
  Top Width (ft)          45635.75    Top Width (ft)          18559.21     369.78   26706.76
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.20       5.51       2.16
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.33     189.21      46.22
  Conv. Total (cfs)       472111200.0    Conv. (cfs)            292012300.0   22759770.0   157339200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18582.16     371.82   26748.26
  Min Ch El (ft)            565.41    Shear (lb/sq ft)            1.49       3.38       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.78      18.62       1.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    66022.20    3196.40   50178.12
  C & E Loss (ft)             0.00    Cum SA (acres)            794.29      16.95    1180.67


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268145.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.58  760.65 1407.34     760 1914.44     760 2309.95  768.67
 2392.18  768.67 2530.04    770 2738.31     770 2827.61  769.09 3133.04  750.13
 3661.67  720.78    3919  711.19 4523.77  700.37 4626.67  703.81 4758.07  708.41
 5546.08   698.2 5743.33  706.47 5987.39  691.02 6025.69  688.67  6698.5  688.67
 6944.86  686.69 7198.36  666.02 7298.32  658.67 7393.44  658.67 7517.71   669.5
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 7790.94  697.69 7851.94  698.67 8034.43     696 8090.33     696 8129.64  694.01
 8261.54  688.88 8341.65  689.82 8470.81  697.26 8707.85  709.48 9096.61  727.33
 9332.67  727.33 9354.94  727.15 9497.31  721.14 9609.27  717.3310470.25   711.1
10805.79  705.1911113.92  680.2811142.68  676.9211298.39  665.9511543.73  651.72
11608.82  652.5312048.17  687.3712386.81     71012894.46  718.6712903.09  719.06
 13085.7  725.5513313.69  718.5713379.15  717.2113501.23  716.78 13686.6     720
14056.94     72014114.06  713.2314203.13  702.8814483.49  703.55 14676.4  722.83
14749.83     73015179.38     73015718.06     70415903.23  664.3415920.32  660.27
16068.86  646.1716266.22  625.5316287.79  623.7916538.96  618.6216977.33  612.56
17090.81  611.3319451.83  611.3319671.11     62020044.59     620 20448.1     594
20618.17     59420711.39  592.6720961.32  591.3321498.44  590.0221505.81  588.58
 21543.5     58021574.33  575.1421613.86  570.09 21653.4  565.4121873.07  571.02
21913.44     58021992.37  605.7822050.87  617.9622246.39  660.7122306.22  664.68
22584.78  677.5922659.06  681.7423486.09  734.2223763.37  736.3224182.34  730.81
24428.87  732.6724652.92  730.7225158.92  717.6425194.92  714.5825466.05  693.85
25612.29  686.7325658.26  688.0125706.41  688.0125949.83  696.6926314.75  708.36
26460.53  713.5626712.16   725.227201.51  742.6527407.58  748.85   27781  746.75
28154.19   736.128209.91  734.8228914.44  722.33 28980.6  722.6729998.29  722.67
30357.55  731.3331777.38  705.3432243.91     71432977.98     71433877.75  712.67
 34042.1  712.6734391.37  713.6934498.01  712.0534863.97  705.3435270.56  705.34
35803.54     70035809.18  699.65 35954.9  649.0736112.78     60436136.89  605.56
36247.37  613.4136712.89  625.2237127.65  692.3237215.86     70637642.06  708.51
37785.99  706.6937839.84  707.0138212.19  714.5438685.27   719.838979.17  721.33
39445.29  721.8839813.65  739.6440033.25   739.940122.21  737.1140567.59  722.67
41156.57     74041495.53   729.641811.23  721.2441935.66  717.4342003.61  714.98
42104.81  714.45 42444.5  724.3542608.79     73042692.78     73043685.04  706.22
43777.64  703.3943990.16     70244213.82  709.1944293.23  708.6744492.87  708.67
44519.44  708.8544686.93  705.9244955.29  699.3845586.08  681.4345719.67  680.88
 45934.9  691.0546049.11  696.9146563.67  727.5946854.16  732.0447796.29   739.8
47960.05  742.24 48429.8  749.7148558.04   755.849388.16     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21543.5     .1521913.44     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21543.521913.44             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.56    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.41    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1546503.00   69993.33   1234226.00
  E.G. Slope (ft/ft)      0.000287    Area (sq ft)            1546503.00   69993.33   1234226.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4950858.00   386001.80   2666274.00
  Top Width (ft)          45642.41    Top Width (ft)          18560.01     369.94   26712.46
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.20       5.51       2.16
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.32     189.20      46.20
  Conv. Total (cfs)       472054900.0    Conv. (cfs)            292020200.0   22767840.0   157266900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18582.89     371.98   26753.88
  Min Ch El (ft)            565.41    Shear (lb/sq ft)            1.49       3.38       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.78      18.62       1.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    65845.05    3188.38   50036.72
  C & E Loss (ft)             0.00    Cum SA (acres)            792.17      16.91    1177.61


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268140.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1235.6  760.66 1407.37     760 1914.49     760    2310  768.64
 2392.23  768.64 2530.09    770 2738.37     770 2827.67  769.08 3133.11   750.1
 3661.76  720.79 3919.09  711.22 4523.88  700.37 4626.77  703.79 4758.18  708.38
  5546.2  698.16 5743.46  706.41 5987.52  690.99 6025.83  688.64 6698.65  688.64
 6945.02  686.63 7198.52  665.97 7298.48  658.64  7393.6  658.64 7517.88  669.45
 7791.12  697.65 7852.12  698.64 8034.61  695.93 8090.51  695.93 8129.82  693.94
 8261.73  688.86 8341.83  689.82    8471  697.27 8708.04  709.48 9096.82  727.28
 9332.88  727.28 9355.15   727.1 9497.52  721.09 9609.48  717.2810470.48  711.07
10806.04   705.111114.16   680.211142.93  676.8211298.64  665.8811543.99  651.75
11609.08  652.5812048.44  687.4312387.09     71012894.75  718.6412903.38  719.03
   13086  725.4713313.99  718.4713379.45  717.1113501.54  716.72 13686.9     720
14057.26     72014114.37  713.2514203.45  702.9314483.81  703.6114676.73  722.85
14750.16     73015179.71     73015718.42  704.0715903.59  664.5215920.68  660.45
16069.22  646.3116266.59   625.616288.16  623.8616539.33  618.6616977.71  612.58
 17091.2  611.3619452.26  611.3619671.55     62020045.04     62020448.56  594.07
20618.63  594.0720711.86  592.7220961.79  591.3621498.92  590.0221506.29  588.59
21543.98     58021574.94  575.1321614.64  570.0821654.33   565.421873.76  571.04
21914.08     58021993.02   605.922051.54  618.04 22247.1  660.7222306.94  664.69
22585.56  677.5122659.86  681.6623487.05  734.12 23764.4  736.2524183.45  730.82
24430.03  732.7224654.13  730.7325160.23   717.625196.24  714.5425467.43  693.87
 25613.7  686.8525659.68  688.1525707.84  688.1525951.31  696.81 26316.3  708.42
26462.11  713.61 26713.8  725.2727203.24  742.6727409.36  748.8227782.86   746.7
28156.13  736.0328211.86  734.7628916.54  722.3728982.71  722.7230000.61  722.72
30359.94  731.3631780.07  705.43 32246.7  714.0732980.93  714.0733880.87  712.72
34045.26  712.7234394.61  713.7634501.27  712.12 34867.3  705.4335273.98  705.43
35807.07     70035812.71  699.6535958.46  649.0136116.37  604.0736140.49  605.62
36250.99  613.4736716.61  625.3137131.46  692.2937219.68  705.9337645.97  708.43
37789.93  706.56 37843.8  706.8838216.22   714.5 38689.4   719.838983.36  721.36
39449.57  721.9139818.01  739.6340037.66  739.8940126.63  737.1240572.11  722.72
41161.21     74041500.24  729.6341816.01  721.3241940.46  717.5142008.43  715.07
42109.65  714.5342449.41  724.3742613.73     73042697.74     730 43690.2  706.29
43782.83  703.4543995.39  702.0344219.09  709.1744298.53  708.64 44498.2  708.64
44524.78  708.8344692.31  705.9344960.71  699.4145591.64  681.4545725.26   680.9
45940.54  691.0246054.77  696.8746569.44  727.5546859.98  732.0447802.31   739.8
47966.11  742.2348435.95  749.7148564.22  755.7849394.51     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521543.98     .1521914.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21543.9821914.08             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.56    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
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  W.S. Elev (ft)            759.41    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1546538.00   70021.32   1233947.00
  E.G. Slope (ft/ft)      0.000288    Area (sq ft)            1546538.00   70021.32   1233947.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4951652.00   386208.00   2665274.00
  Top Width (ft)          45649.15    Top Width (ft)          18560.72     370.10   26718.33
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.20       5.52       2.16
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.32     189.20      46.18
  Conv. Total (cfs)       471986000.0    Conv. (cfs)            292024400.0   22776680.0   157184900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18583.56     372.13   26759.68
  Min Ch El (ft)            565.40    Shear (lb/sq ft)            1.49       3.38       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.78      18.63       1.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    65667.88    3180.36   49895.35
  C & E Loss (ft)             0.00    Cum SA (acres)            790.04      16.87    1174.55


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268135.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.63  760.67  1407.4     760 1914.53     760 2310.05  768.62
 2392.29  768.62 2530.15    770 2738.43     770 2827.74  769.06 3133.18  750.07
 3661.84  720.81 3919.18  711.24 4523.98  700.38 4626.87  703.78 4758.29  708.35
 5546.33  698.13 5743.59  706.35 5987.66  690.96 6025.96  688.62  6698.8  688.62
 6945.18  686.58 7198.68  665.93 7298.64  658.62 7393.77  658.62 7518.05   669.4
 7791.29  697.61 7852.29  698.62 8034.79  695.85 8090.69  695.85 8130.01  693.88
 8261.92  688.84 8342.02  689.81 8471.19  697.28 8708.24  709.48 9097.02  727.24
 9333.09  727.24 9355.36  727.05 9497.73  721.03  9609.7  717.2410470.72  711.04
10806.28  705.0211114.41  680.1211143.17  676.7211298.89  665.8111544.25  651.78
11609.34  652.6212048.71  687.4912387.37     71012895.04  718.6212903.67  719.01
13086.29  725.3913314.28  718.3613379.75  717.0113501.84  716.6713687.21     720
14057.57     72014114.69  713.2714203.77  702.9814484.14  703.6714677.05  722.87
14750.49     73015180.06     73015718.77  704.1515903.94  664.6915921.03  660.63
16069.58  646.4616266.95  625.6616288.52  623.9316539.71  618.6916978.09   612.6
17091.58  611.38 19452.7  611.3819671.99     62020045.48     62020449.02  594.15
20619.09  594.1520712.32  592.7620962.26  591.38 21499.4  590.0221506.78  588.59
21544.46     58021575.55  575.1121615.41  570.0621655.27   565.421874.45  571.06
21914.72     58021993.68  606.02 22052.2  618.1322247.81  660.7322307.66  664.71
22586.34  677.4422660.65  681.5723488.02  734.0223765.42  736.1924184.56  730.84
 24431.2  732.7624655.34  730.7425161.55  717.5625197.56   714.525468.81  693.88
25615.11  686.97 25661.1  688.2925709.27  688.2925952.79  696.9226317.86  708.48
 26463.7  713.6526715.44  725.3427204.98  742.6927411.14   748.827784.72  746.64
28158.07  735.96 28213.8  734.6928918.63  722.4128984.82  722.7630002.93  722.76
30362.34  731.3831782.76  705.5332249.49  714.1532983.87  714.15   33884  712.76
34048.42  712.7634397.84  713.8234504.53   712.234870.64  705.5335277.39  705.53
 35810.6     70035816.24  699.6435962.02  648.9636119.96  604.1536144.09  605.69
36254.61  613.5336720.32   625.437135.26  692.25 37223.5  705.8537649.88  708.35
37793.87  706.4437847.75  706.7538220.25  714.4638693.53  719.7938987.55  721.38
39453.86  721.9539822.38  739.6340042.07  739.8940131.06  737.1340576.63  722.76
41165.86     74041504.95  729.6541820.79   721.441945.26   717.642013.25  715.16
42114.49  714.6142454.32  724.3842618.68     730 42702.7     73043695.37  706.35
43788.02  703.5144000.62  702.0744224.37  709.1644303.82  708.6244503.54  708.62
44530.12  708.8144697.69  705.9444966.15  699.4445597.21  681.4845730.85  680.91
45946.17  690.9946060.43  696.82 46575.2  727.5146865.81  732.0347808.33   739.8
47972.17  742.2348442.11   749.7 48570.4  755.7749400.86     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521544.46     .1521914.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21544.4621914.72             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.56    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.41    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1546567.00   70048.84   1233686.00
  E.G. Slope (ft/ft)      0.000288    Area (sq ft)            1546567.00   70048.84   1233686.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4952380.00   386409.50   2664344.00
  Top Width (ft)          45655.80    Top Width (ft)          18561.51     370.26   26724.03
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.20       5.52       2.16
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.32     189.19      46.16
  Conv. Total (cfs)       471918300.0    Conv. (cfs)            292025500.0   22785290.0   157107600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18584.30     372.29   26765.30
  Min Ch El (ft)            565.40    Shear (lb/sq ft)            1.49       3.38       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.78      18.64       1.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    65490.72    3172.34   49754.01
  C & E Loss (ft)             0.00    Cum SA (acres)            787.91      16.83    1171.49


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268130.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.66  760.69 1407.43     760 1914.57     760  2310.1  768.59
 2392.34  768.59 2530.21    770  2738.5     770  2827.8  769.05 3133.25  750.05
 3661.92  720.82 3919.27  711.26 4524.08  700.39 4626.98  703.77 4758.39  708.32
 5546.45   698.1 5743.72  706.29 5987.79  690.93  6026.1  688.59 6698.95  688.59
 6945.33  686.52 7198.84  665.89 7298.81  658.59 7393.93  658.59 7518.22  669.34
 7791.47  697.57 7852.47  698.59 8034.97  695.78 8090.87  695.78 8130.19  693.81
  8262.1  688.82 8342.21  689.81 8471.38  697.29 8708.44  709.49 9097.22  727.19
  9333.3  727.19 9355.57    727 9497.95  720.97 9609.91  717.1910470.95  711.01
10806.52  704.9311114.66  680.0411143.42  676.6211299.14  665.7411544.51  651.81
 11609.6  652.6712048.98  687.5512387.64     71012895.33  718.5912903.96  718.98
13086.58  725.3113314.58  718.2613380.04   716.913502.14  716.6113687.52     720
14057.89     720   14115  713.2814204.08  703.0314484.46  703.7314677.38  722.89
14750.82     730 15180.4     73015719.12  704.22 15904.3  664.8715921.39  660.81
16069.94   646.616267.32  625.7316288.88  623.9916540.08  618.7216978.47  612.62
17091.96  611.4119453.14  611.4119672.43     62020045.93     62020449.47  594.22
20619.55  594.2220712.79  592.8120962.73  591.4121499.88  590.0221507.26  588.59
21544.95     58021576.16   575.121616.18  570.0521656.21   565.421875.13  571.07
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21915.36     58021994.34  606.1422052.87  618.2222248.52  660.7522308.38  664.72
22587.12  677.3622661.45  681.4823488.99  733.9223766.45  736.1224185.67  730.85
24432.36  732.8124656.55  730.7625162.86  717.5225198.89  714.4625470.19   693.9
25616.52  687.0925662.52  688.4325710.69  688.4325954.26  697.0426319.41  708.54
26465.28   713.726717.07  725.4127206.72  742.7127412.92  748.7827786.58  746.58
   28160  735.8928215.75  734.6228920.73  722.4528986.93  722.8130005.25  722.81
30364.73  731.4131785.45  705.6232252.28  714.22 32986.8  714.2233887.13  712.81
34051.58  712.8134401.07  713.8934507.78  712.2834873.97  705.6235280.81  705.62
35814.13     70035819.77  699.6335965.58  648.9136123.55  604.2236147.69  605.76
36258.23  613.5936724.04  625.4937139.06  692.2237227.32  705.7837653.79  708.28
37797.81  706.31 37851.7  706.6238224.28  714.4238697.66  719.7938991.73  721.41
39458.14  721.9839826.74  739.6240046.48  739.8940135.49  737.1440581.14  722.81
 41170.5     74041509.66  729.6841825.56  721.4841950.07  717.6942018.07  715.25
42119.33  714.6942459.23   724.442623.62     73042707.67     73043700.54  706.42
 43793.2  703.5744005.86   702.144229.65  709.1544309.11  708.5944508.88  708.59
44535.46  708.7944703.06  705.9544971.58  699.4645602.77   681.545736.44  680.93
 45951.8  690.9646066.09  696.7746580.97  727.4646871.64  732.0347814.35  739.79
47978.23  742.2248448.26   749.748576.58  755.7549407.22     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521544.95     .1521915.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21544.9521915.36             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.55    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.41    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1546600.00   70075.08   1233417.00
  E.G. Slope (ft/ft)      0.000288    Area (sq ft)            1546600.00   70075.08   1233417.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4953161.00   386604.90   2663368.00
  Top Width (ft)          45662.47    Top Width (ft)          18562.16     370.41   26729.90
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.20       5.52       2.16
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.32     189.18      46.14
  Conv. Total (cfs)       471851000.0    Conv. (cfs)            292029900.0   22793560.0   157027600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18584.89     372.43   26771.11
  Min Ch El (ft)            565.40    Shear (lb/sq ft)            1.49       3.38       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.79      18.64       1.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    65313.55    3164.32   49612.70
  C & E Loss (ft)             0.00    Cum SA (acres)            785.79      16.78    1168.43


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268125.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.69   760.7 1407.47     760 1914.62     760 2310.16  768.57
 2392.39  768.57 2530.26     770 2738.56     770 2827.86  769.03 3133.32  750.02
    3662  720.83 3919.35  711.28 4524.18  700.39 4627.08  703.76  4758.5   708.3
 5546.58  698.07 5743.85  706.23 5987.93   690.9 6026.23  688.57  6699.1  688.57
 6945.49  686.46    7199  665.84 7298.97  658.57  7394.1  658.57 7518.38  669.29
 7791.64  697.53 7852.65  698.57 8035.15  695.71 8091.05  695.71 8130.37  693.75
 8262.29   688.8 8342.39  689.81 8471.57  697.29 8708.63  709.49 9097.43  727.14
 9333.51  727.14 9355.78  726.95 9498.16  720.92 9610.13  717.1410471.19  710.98
10806.76  704.8511114.91  679.9611143.67  676.52 11299.4  665.6711544.77  651.84
11609.86  652.7112049.25  687.6112387.92     71012895.61  718.5712904.25  718.96
13086.88  725.2413314.88  718.1513380.34   716.813502.44  716.5513687.82     720
 14058.2     72014115.32   713.3 14204.4  703.0814484.78   703.814677.71  722.91
14751.15     73015180.74     73015719.47  704.2915904.66  665.0515921.75  660.99
 16070.3  646.7516267.68  625.7916289.25  624.0616540.45  618.7516978.85  612.64
17092.35  611.4319453.57  611.4319672.87     62020046.38     62020449.93  594.29
20620.01  594.2920713.25  592.86 20963.2  591.4321500.37  590.0221507.74   588.6
21545.43     58021576.77  575.0821616.96  570.0421657.14   565.421875.82  571.09
   21916     58021994.99  606.2622053.54   618.322249.22  660.76 22309.1  664.74
 22587.9  677.2922662.24   681.423489.95  733.8223767.47  736.0624186.79  730.87
24433.52  732.8624657.76  730.7725164.18  717.4825200.21  714.4225471.57  693.92
25617.93   687.225663.94  688.5725712.12  688.5725955.74  697.1626320.96   708.6
26466.87  713.7426718.71  725.4727208.46  742.73 27414.7  748.7627788.44  746.52
28161.94  735.82 28217.7  734.5628922.82  722.4928989.03  722.8630007.57  722.86
30367.13  731.4331788.14  705.7132255.06  714.2932989.75  714.2933890.25  712.86
34054.74  712.8634404.31  713.9534511.04  712.35 34877.3  705.7135284.23  705.71
35817.66     700 35823.3  699.6335969.14  648.8636127.15  604.2936151.29  605.82
36261.86  613.6536727.76  625.5837142.87  692.1937231.14  705.7137657.71   708.2
37801.75  706.1837855.65   706.538228.31  714.3838701.79  719.7938995.92  721.43
39462.43  722.01 39831.1  739.6140050.89  739.8940139.91  737.1540585.66  722.86
41175.14     74041514.38  729.7141830.34  721.5541954.87  717.7842022.88  715.33
42124.17  714.7642464.14  724.4142628.56     73042712.63     730 43705.7  706.48
43798.39  703.6344011.09  702.1444234.93  709.1344314.41  708.5744514.21  708.57
 44540.8  708.7744708.44  705.9644977.01  699.4945608.34  681.5345742.03  680.94
45957.44  690.9346071.75  696.7346586.74  727.4246877.46  732.0247820.38  739.79
47984.28  742.2248454.41  749.6948582.76  755.7349413.57     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521545.43     .15   21916     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21545.43   21916             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.55    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.41    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1546644.00   70102.16   1233155.00
  E.G. Slope (ft/ft)      0.000288    Area (sq ft)            1546644.00   70102.16   1233155.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4953931.00   386799.50   2662403.00
  Top Width (ft)          45669.30    Top Width (ft)          18562.95     370.57   26735.78
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.20       5.52       2.16
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.32     189.17      46.12
  Conv. Total (cfs)       471787100.0    Conv. (cfs)            292035700.0   22801950.0   156949400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18585.63     372.59   26776.92
  Min Ch El (ft)            565.40    Shear (lb/sq ft)            1.49       3.38       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.79      18.65       1.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    65136.38    3156.29   49471.43
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  C & E Loss (ft)             0.00    Cum SA (acres)            783.66      16.74    1165.36


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268120.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.72  760.71  1407.5     760 1914.66     760 2310.21  768.55
 2392.45  768.55 2530.32     770 2738.62     770 2827.93  769.01 3133.39  749.99
 3662.08  720.85 3919.44   711.3 4524.28   700.4 4627.18  703.75 4758.61  708.27
  5546.7  698.04 5743.97  706.16 5988.06  690.87 6026.37  688.55 6699.25  688.55
 6945.64   686.4 7199.16   665.8 7299.13  658.55 7394.27  658.55 7518.55  669.24
 7791.82  697.49 7852.82  698.55 8035.33  695.64 8091.23  695.64 8130.55  693.68
 8262.47  688.78 8342.58   689.8 8471.76   697.3 8708.83  709.49 9097.63   727.1
 9333.72   727.1 9355.99   726.9 9498.37  720.86 9610.34   717.110471.42  710.95
   10807  704.7611115.16  679.8711143.92  676.4211299.65   665.611545.03  651.87
11610.12  652.7612049.52  687.68 12388.2     710 12895.9  718.5512904.54  718.93
13087.17  725.1613315.18  718.0513380.64   716.713502.75   716.513688.13     720
14058.52     72014115.64  713.3214204.72  703.1314485.11  703.8614678.04  722.93
14751.48     73015181.08     73015719.82  704.3615905.01  665.23 15922.1  661.17
16070.66  646.8916268.05  625.8616289.61  624.1316540.82  618.7816979.23  612.66
17092.73  611.4519454.01  611.4519673.31     62020046.83     62020450.39  594.36
20620.47  594.3620713.71   592.920963.67  591.4521500.85  590.0221508.22   588.6
21545.91     58021577.38  575.0721617.73  570.0321658.08   565.4 21876.5  571.11
21916.64     58021995.65  606.3722054.21  618.3922249.93  660.7722309.82  664.75
22588.68  677.2122663.04  681.3123490.92  733.7223768.49  735.99 24187.9  730.88
24434.68   732.924658.96  730.7825165.49  717.4425201.53  714.3825472.95  693.93
25619.34  687.3225665.36  688.7125713.55  688.7125957.22  697.2726322.52  708.66
26468.45  713.7826720.35  725.54 27210.2  742.7527416.49  748.74 27790.3  746.47
28163.88  735.7528219.65  734.4928924.92  722.5328991.14   722.930009.89   722.9
30369.53  731.4531790.83  705.8132257.85  714.3632992.69  714.3633893.38   712.9
34057.91   712.934407.54  714.02 34514.3  712.4334880.64  705.8135287.65  705.81
35821.19     70035826.82  699.62 35972.7  648.8136130.74  604.3636154.88  605.89
36265.48  613.7136731.48  625.6737146.67  692.1537234.96  705.6437661.62  708.12
37805.69  706.0637859.61  706.3738232.34  714.3438705.91  719.7839000.11  721.45
39466.71  722.0439835.46  739.6140055.29  739.8940144.34  737.1540590.18   722.9
41179.78     74041519.09  729.7441835.12  721.6341959.67  717.87 42027.7  715.42
42129.01  714.8442469.05  724.43 42633.5     73042717.59     73043710.87  706.55
43803.58  703.6944016.32  702.17 44240.2  709.12 44319.7  708.5544519.55  708.55
44546.14  708.7544713.82  705.9744982.44  699.52 45613.9  681.5545747.62  680.96
45963.07   690.946077.41  696.68 46592.5  727.3846883.29  732.01 47826.4  739.78
47990.34  742.2148460.57  749.6948588.94  755.7249419.93     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521545.91     .1521916.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21545.9121916.64             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.55    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.41    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1546681.00   70128.89   1232918.00
  E.G. Slope (ft/ft)      0.000288    Area (sq ft)            1546681.00   70128.89   1232918.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4954631.00   386987.90   2661514.00
  Top Width (ft)          45675.95    Top Width (ft)          18563.74     370.73   26741.47
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.20       5.52       2.16
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.32     189.16      46.11
  Conv. Total (cfs)       471727200.0    Conv. (cfs)            292039900.0   22810160.0   156877100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18586.37     372.74   26782.54
  Min Ch El (ft)            565.40    Shear (lb/sq ft)            1.50       3.38       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.79      18.66       1.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    64959.20    3148.25   49330.18
  C & E Loss (ft)             0.00    Cum SA (acres)            781.53      16.70    1162.30


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268115.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.74  760.72 1407.53     760  1914.7     760 2310.26  768.52
  2392.5  768.52 2530.38     770 2738.68     770 2827.99     769 3133.46  749.97
 3662.17  720.86 3919.53  711.32 4524.38  700.41 4627.29  703.74 4758.71  708.24
 5546.82  698.01  5744.1   706.1 5988.19  690.84  6026.5  688.52  6699.4  688.52
  6945.8  686.34 7199.32  665.76  7299.3  658.52 7394.43  658.52 7518.72  669.18
 7791.99  697.45    7853  698.52 8035.51  695.57 8091.41  695.57 8130.73  693.62
 8262.66  688.76 8342.77   689.8 8471.95  697.31 8709.02  709.49 9097.83  727.05
 9333.93  727.05  9356.2  726.85 9498.58   720.8 9610.56  717.0510471.65  710.92
10807.25  704.6811115.41  679.7911144.17  676.32 11299.9  665.5311545.29   651.9
11610.38   652.812049.79  687.7412388.48     71012896.19  718.5212904.82  718.91
13087.46  725.0813315.48  717.9513380.94   716.613503.05  716.4413688.44     720
14058.83     72014115.95  713.3414205.04  703.1814485.43  703.9214678.37  722.95
14751.81     73015181.42     73015720.17  704.4315905.37   665.415922.46  661.35
16071.02  647.0416268.41  625.9316289.98  624.1916541.19  618.8116979.61  612.68
17093.11  611.4819454.44  611.4819673.75     62020047.28     62020450.85  594.43
20620.94  594.4320714.18  592.9520964.14  591.4821501.33  590.02 21508.7  588.61
21546.39     58021577.99  575.06 21618.5  570.0221659.02   565.421877.19  571.13
21917.28     580 21996.3  606.4922054.88  618.4822250.64  660.7822310.54  664.77
22589.46  677.1422663.83  681.2323491.88  733.6223769.52  735.9324189.01   730.9
24435.85  732.9524660.17  730.79 25166.8   717.425202.85  714.3425474.32  693.95
25620.74  687.4425666.77  688.8525714.98  688.85 25958.7  697.3926324.07  708.72
26470.04  713.8326721.99  725.6127211.94  742.7727418.27  748.7227792.16  746.41
28165.82  735.68 28221.6  734.4228927.01  722.5728993.25  722.9530012.21  722.95
30371.92  731.4831793.53   705.932260.64  714.4332995.63  714.4333896.51  712.95
34061.07  712.9534410.78  714.0834517.55   712.534883.97   705.935291.07   705.9
35824.71     70035830.36  699.6235976.25  648.7636134.33  604.4336158.48  605.95
36269.09  613.77 36735.2  625.7637150.47  692.1237238.79  705.5737665.53  708.05
37809.63  705.9337863.55  706.2438236.37   714.338710.04  719.78 39004.3  721.48
   39471  722.0839839.82   739.6 40059.7  739.8940148.77  737.16 40594.7  722.95
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41184.42     740 41523.8  729.77 41839.9  721.7141964.48  717.9542032.52  715.51
42133.84  714.9242473.96  724.4442638.45     73042722.55     73043716.04  706.61
43808.77  703.7544021.55  702.2144245.48   709.1   44325  708.5244524.88  708.52
44551.48  708.7344719.19  705.9844987.88  699.5545619.46  681.5845753.21  680.97
45968.71  690.8746083.07  696.6446598.27  727.3446889.12  732.0147832.42  739.78
47996.39   742.248466.72  749.6848595.12   755.749426.28     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521546.39     .1521917.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21546.3921917.28             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.55    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.40    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1546711.00   70155.34   1232630.00
  E.G. Slope (ft/ft)      0.000288    Area (sq ft)            1546711.00   70155.34   1232630.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4955447.00   387185.30   2660501.00
  Top Width (ft)          45682.61    Top Width (ft)          18564.37     370.89   26747.35
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.20       5.52       2.16
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.32     189.15      46.08
  Conv. Total (cfs)       471654700.0    Conv. (cfs)            292043100.0   22818290.0   156793300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18586.95     372.89   26788.35
  Min Ch El (ft)            565.40    Shear (lb/sq ft)            1.50       3.38       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.79      18.66       1.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    64782.02    3140.22   49188.96
  C & E Loss (ft)             0.00    Cum SA (acres)            779.41      16.66    1159.24


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268110.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.77  760.73 1407.56     760 1914.74     760 2310.31   768.5
 2392.55   768.5 2530.43    770 2738.74     770 2828.05  768.98 3133.53  749.94
 3662.25  720.88 3919.62  711.34 4524.48  700.41 4627.39  703.73 4758.82  708.21
 5546.95  697.97 5744.23  706.04 5988.33  690.81 6026.64   688.5 6699.55   688.5
 6945.95  686.28 7199.49  665.71 7299.46   658.5  7394.6   658.5 7518.89  669.13
 7792.17  697.41 7853.17   698.5 8035.69   695.5 8091.59   695.5 8130.92  693.55
 8262.84  688.74 8342.96   689.8 8472.14  697.32 8709.21  709.49 9098.04     727
 9334.14     727 9356.41   726.8  9498.8  720.74 9610.77     71710471.89  710.89
10807.49  704.5911115.66  679.7111144.42  676.2211300.16  665.4611545.54  651.93
11610.64  652.8512050.06   687.812388.75     71012896.48   718.512905.11  718.88
13087.75     72513315.78  717.8413381.24   716.513503.35  716.3913688.74     720
14059.15     72014116.27  713.3614205.36  703.2414485.76  703.98 14678.7  722.97
14752.14     73015181.75     73015720.53   704.515905.72  665.5815922.82  661.53
16071.38  647.1916268.77  625.9916290.34  624.2616541.56  618.8416979.99   612.7
17093.49   611.519454.88   611.519674.19     62020047.73     62020451.31   594.5
 20621.4   594.520714.64    59320964.61   591.521501.81  590.0221509.18  588.61
21546.88     580 21578.6  575.0421619.28  570.0121659.95   565.421877.87  571.15
21917.92     58021996.96  606.6122055.54  618.5622251.35   660.822311.26  664.78
22590.23  677.0722664.62  681.1423492.85  733.5123770.54  735.8624190.12  730.91
24437.01     73324661.38  730.8125168.12  717.3525204.17   714.3 25475.7  693.97
25622.15  687.5625668.19  688.9925716.41  688.9925960.18  697.5126325.63  708.77
26471.62  713.8726723.62  725.6727213.68  742.7927420.05   748.727794.02  746.35
28167.75  735.6128223.55  734.3528929.11  722.6128995.36     72330014.54     723
30374.32   731.531796.22    70632263.43   714.532998.57   714.533899.64     713
34064.23     71334414.01  714.1534520.81  712.58 34887.3     70635294.48     706
35828.24     70035833.88  699.6135979.82   648.736137.93   604.536162.08  606.02
36272.71  613.8336738.91  625.8637154.28  692.0937242.61   705.537669.44  707.97
37813.57   705.837867.51  706.12 38240.4  714.2738714.17  719.7839008.49   721.5
39475.29  722.1139844.19   739.640064.11  739.8840153.19  737.1740599.22     723
41189.06     74041528.51  729.7941844.68  721.7941969.28  718.0442037.34  715.59
42138.68     71542478.87  724.4642643.39     73042727.51     73043721.21  706.67
43813.95  703.8144026.78  702.2444250.76  709.0944330.29   708.544530.22   708.5
44556.82  708.7144724.57    706 44993.3  699.5845625.02   681.6 45758.8  680.99
45974.35  690.8446088.73  696.5946604.04   727.346894.95     73247838.44  739.78
48002.45   742.248472.88  749.68 48601.3  755.6949432.63     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521546.88     .1521917.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21546.8821917.92             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.55    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.40    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1546765.00   70180.63   1232354.00
  E.G. Slope (ft/ft)      0.000288    Area (sq ft)            1546765.00   70180.63   1232354.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4956270.00   387369.90   2659494.00
  Top Width (ft)          45689.26    Top Width (ft)          18565.18     371.04   26753.04
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.20       5.52       2.16
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)           83.32     189.15      46.06
  Conv. Total (cfs)       471591300.0    Conv. (cfs)            292052300.0   22826100.0   156712900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18587.71     373.04   26793.98
  Min Ch El (ft)            565.40    Shear (lb/sq ft)            1.50       3.38       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.79      18.67       1.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    64604.84    3132.18   49047.77
  C & E Loss (ft)             0.00    Cum SA (acres)            777.28      16.61    1156.17


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268105.*

INPUT
Description:
Station Elevation Data    num=     174
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1235.8  760.74 1407.59     760 1914.79     760 2310.36  768.48
 2392.61  768.48 2530.49     770  2738.8     770 2828.12  768.97  3133.6  749.91
 3662.33  720.89  3919.7  711.36 4524.58  700.42 4627.49  703.72 4758.93  708.18
 5547.07  697.94 5744.36  705.98 5988.46  690.78 6026.77  688.48  6699.7  688.48
 6946.11  686.23 7199.65  665.67 7299.62  658.48 7394.76  658.48 7519.06  669.08
 7792.34  697.37 7853.35  698.48 8035.87  695.43 8091.78  695.43  8131.1  693.49
 8263.03  688.72 8343.14  689.79 8472.33  697.32 8709.41  709.49 9098.24  726.96
 9334.34  726.96 9356.62  726.75 9499.01  720.69 9610.99  716.9610472.12  710.86
10807.73  704.5111115.91  679.6311144.67  676.1211300.41  665.39 11545.8  651.96
 11610.9  652.8912050.33  687.8612389.03    71012896.77  718.48 12905.4  718.86
13088.05  724.9213316.07  717.7413381.54   716.413503.65  716.3313689.05     720
14059.46     72014116.58  713.3814205.67  703.2914486.08  704.0414679.03  722.99
14752.47     73015182.09     73015720.88  704.5715906.08  665.7615923.17  661.71
16071.74  647.3316269.14  626.0616290.71  624.3316541.93  618.8716980.37  612.72
17093.88  611.5219455.31  611.5219674.63     62020048.18     62020451.76  594.57
20621.86  594.57 20715.1  593.0420965.08  591.5221502.29  590.0221509.66  588.61
21547.36     58021579.21  575.0321620.05     57021660.89  565.3921878.56  571.16
21918.56     58021997.62  606.7322056.21  618.6522252.06  660.8122311.98   664.8
22591.01  676.9922665.42  681.0523493.82  733.4123771.57   735.824191.23  730.92
24438.17  733.0424662.59  730.8225169.43  717.31 25205.5  714.2625477.08  693.98
25623.56  687.6825669.61  689.1325717.83  689.1325961.66  697.6226327.18  708.83
26473.21  713.9226725.26  725.7427215.42  742.8127421.83  748.6827795.88   746.3
28169.69  735.54 28225.5  734.29 28931.2  722.6528997.47  723.0430016.86  723.04
30376.71  731.5231798.91  706.0932266.21  714.5733001.51  714.5733902.77  713.04
34067.39  713.0434417.25  714.2134524.07  712.6534890.63  706.09 35297.9  706.09
35831.77     70035837.41   699.635983.38  648.6536141.52  604.5736165.68  606.09
36276.34  613.8936742.63  625.9537158.08  692.0537246.43  705.4337673.35  707.89
37817.51  705.6837871.46  705.9938244.43  714.2338718.29  719.7739012.68  721.52
39479.57  722.1439848.55  739.5940068.52  739.8840157.62  737.1840603.74  723.04
 41193.7     74041533.22  729.8241849.45  721.8741974.08  718.1342042.16  715.68
42143.52  715.0842483.77  724.4742648.34     73042732.47     73043726.38  706.74
43819.14  703.8744032.01  702.2844256.04  709.0744335.59  708.4844535.55  708.48
44562.16  708.6944729.94  706.0144998.74  699.6145630.59  681.6345764.39     681
45979.98  690.8146094.38  696.55 46609.8  727.2546900.77     73247844.46  739.77
48008.51  742.1948479.03  749.6748607.48  755.6749438.98     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521547.36     .1521918.56     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21547.3621918.56              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.55    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.40    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1546803.00   70210.41   1232126.00
  E.G. Slope (ft/ft)      0.000288    Area (sq ft)            1546803.00   70210.41   1232126.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4956947.00   387579.70   2658607.00
  Top Width (ft)          45696.00    Top Width (ft)          18565.88     371.20   26758.91
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.20       5.52       2.16
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.31     189.14      46.05
  Conv. Total (cfs)       471535100.0    Conv. (cfs)            292057400.0   22835740.0   156642000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18588.37     373.20   26799.79
  Min Ch El (ft)            565.39    Shear (lb/sq ft)            1.50       3.38       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.80      18.68       1.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    64427.64    3124.14   48906.61
  C & E Loss (ft)             0.00    Cum SA (acres)            775.15      16.57    1153.11


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268100.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.83  760.75 1407.62     760 1914.83     760 2310.41  768.45
 2392.66  768.45 2530.55     770 2738.86     770 2828.18  768.95 3133.67  749.88
 3662.41   720.9 3919.79  711.38 4524.69  700.43  4627.6  703.71 4759.03  708.16
  5547.2  697.91 5744.49  705.92  5988.6  690.75 6026.91  688.45 6699.85  688.45
 6946.26  686.17 7199.81  665.63 7299.79  658.45 7394.93  658.45 7519.23  669.03
 7792.51  697.33 7853.52  698.45 8036.05  695.36 8091.96  695.36 8131.28  693.42
 8263.21   688.7 8343.33  689.79 8472.52  697.33 8709.61  709.49 9098.44  726.91
 9334.55  726.91 9356.83   726.7 9499.22  720.63  9611.2  716.9110472.36  710.83
10807.97  704.4311116.15  679.5511144.92  676.0211300.66  665.3211546.06  651.99
11611.16  652.93 12050.6  687.9212389.31    71012897.06  718.4512905.69  718.84
13088.34  724.8513316.37  717.6313381.84   716.313503.95  716.2713689.36     720
14059.78     720 14116.9  713.3914205.99  703.3414486.41  704.1114679.35  723.01
 14752.8     73015182.43    73015721.23  704.6415906.44  665.9415923.53  661.89
 16072.1  647.48 16269.5  626.1316291.07  624.39 16542.3   618.916980.75  612.74
17094.26  611.5519455.75  611.5519675.07     62020048.62     62020452.22  594.64
20622.32  594.6420715.57  593.0920965.55  591.5521502.77  590.0221510.15  588.62
21547.84     58021579.82  575.0121620.82  569.9921661.83  565.3921879.24  571.18
 21919.2     58021998.27  606.8522056.88  618.7422252.77  660.8222312.71  664.81
22591.79  676.9222666.21  680.9723494.78  733.3123772.59  735.7324192.34  730.94
24439.33  733.09 24663.8  730.8325170.75  717.2725206.82  714.2225478.46     694
25624.97   687.825671.03  689.2725719.26  689.2725963.14  697.7426328.74  708.89
26474.79  713.96 26726.9  725.8127217.16  742.8327423.61  748.6627797.74  746.24
28171.63  735.4728227.45  734.22 28933.3  722.6928999.58  723.0930019.18  723.09
30379.11  731.55 31801.6  706.18   32269  714.6433004.45  714.6433905.89  713.09
34070.55  713.0934420.48  714.2834527.32  712.7334893.97  706.1835301.32  706.18
 35835.3     70035840.94   699.635986.93   648.636145.11  604.6436169.27  606.15
36279.96  613.9536746.35  626.0437161.88  692.0237250.25  705.3637677.26  707.82
37821.45  705.5537875.41  705.8638248.46  714.1938722.42  719.7739016.87  721.55
39483.86  722.1839852.91  739.5840072.93  739.8840162.05  737.1940608.26  723.09
41198.34     74041537.93  729.8541854.23  721.9441978.89  718.2242046.97  715.77
42148.36  715.1642488.68  724.4942653.28     73042737.43     73043731.54   706.8
43824.32  703.9344037.24  702.3144261.31  709.0644340.88  708.4544540.89  708.45
44567.51  708.6744735.32  706.0245004.17  699.6445636.15  681.6545769.98  681.02
45985.62  690.7846100.04   696.546615.57  727.21 46906.6  731.9947850.49  739.77
48014.56  742.1948485.18  749.6748613.67  755.6649445.34     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521547.84     .15 21919.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      21547.84 21919.2             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.55    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.40    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1546828.00   70237.20   1231843.00
  E.G. Slope (ft/ft)      0.000288    Area (sq ft)            1546828.00   70237.20   1231843.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4957721.00   387781.10   2657632.00
  Top Width (ft)          45702.66    Top Width (ft)          18566.68     371.36   26764.63
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.21       5.52       2.16
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.31     189.14      46.03
  Conv. Total (cfs)       471461500.0    Conv. (cfs)            292057400.0   22844040.0   156560100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18589.11     373.35   26805.43
  Min Ch El (ft)            565.39    Shear (lb/sq ft)            1.50       3.38       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.80      18.69       1.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    64250.45    3116.10   48765.48
  C & E Loss (ft)             0.00    Cum SA (acres)            773.03      16.53    1150.04


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268095.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.85  760.77 1407.65     760 1914.87     760 2310.47  768.43
 2392.72  768.43  2530.6     770 2738.92     770 2828.24  768.94 3133.74  749.86
 3662.49  720.92 3919.88  711.4 4524.79  700.43  4627.7   703.7 4759.14  708.13
 5547.32  697.88 5744.62  705.86 5988.73  690.72 6027.04  688.43    6700  688.43
 6946.42  686.11 7199.97  665.58 7299.95  658.43 7395.09  658.43 7519.39  668.97
 7792.69  697.29  7853.7  698.43 8036.23  695.29 8092.14  695.29 8131.46  693.36
  8263.4  688.68 8343.52  689.79 8472.71  697.34  8709.8   709.5 9098.65  726.86
 9334.76  726.86 9357.04  726.65 9499.44  720.57 9611.42  716.8610472.59   710.8
10808.21  704.34 11116.4  679.4611145.17  675.9211300.92  665.2511546.32  652.03
11611.42  652.9812050.87  687.9812389.58     71012897.35  718.4312905.98  718.81
13088.63  724.7713316.67  717.5313382.14   716.213504.26  716.2213689.66     720
14060.09     72014117.22  713.4114206.31  703.3914486.73  704.1714679.68  723.03
14753.13     73015182.77     73015721.58  704.7115906.79  666.1115923.89  662.07
16072.46  647.6216269.87  626.1916291.44  624.4616542.67  618.9316981.13  612.76
17094.64  611.5719456.19  611.5719675.51     62020049.07     62020452.68  594.71
20622.78  594.7120716.03  593.1420966.02  591.5721503.26  590.0221510.63  588.62
21548.32     58021580.43     575 21621.6  569.9821662.76  565.3921879.93   571.2
21919.84     58021998.93  606.9722057.55  618.8222253.48  660.8322313.43  664.82
22592.57  676.8422667.01  680.8823495.75  733.2123773.62  735.6724193.45  730.95
 24440.5  733.1424665.01  730.8425172.06  717.2325208.14  714.1825479.84  694.02
25626.38  687.9125672.45  689.4125720.69  689.4125964.62  697.8626330.29  708.95
26476.38  714.0126728.54  725.87 27218.9  742.85 27425.4  748.64 27799.6  746.18
28173.57   735.428229.39  734.1528935.39  722.7329001.69  723.14 30021.5  723.14
 30381.5  731.5731804.29  706.2832271.79  714.7133007.39  714.7133909.02  713.14
34073.71  713.1434423.71  714.3434530.58   712.8 34897.3  706.2835304.73  706.28
35838.83     70035844.47  699.59 35990.5  648.55 36148.7  604.7136172.87  606.22
36283.58  614.0136750.07  626.1337165.69  691.9937254.07  705.2937681.17  707.74
37825.39  705.4337879.36  705.7338252.48  714.1538726.55  719.7739021.05  721.57
39488.14  722.2139857.27  739.5840077.33  739.8840166.47  737.1940612.78  723.14
41202.99     74041542.65  729.8841859.01  722.0241983.69  718.3142051.79  715.86
 42153.2  715.2342493.59   724.542658.22     73042742.39     73043736.71  706.87
43829.51  703.9944042.47  702.3544266.59  709.0544346.17  708.4344546.22  708.43
44572.85  708.65 44740.7  706.03 45009.6  699.6745641.71  681.6845775.57  681.03
45991.25  690.75 46105.7  696.4546621.34  727.1746912.43  731.9947856.51  739.77
48020.62  742.1848491.34  749.6648619.85  755.6449451.69     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521548.32     .1521919.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21548.3221919.84             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.54    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.40    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1546873.00   70264.02   1231567.00
  E.G. Slope (ft/ft)      0.000288    Area (sq ft)            1546873.00   70264.02   1231567.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4958539.00   387974.30   2656620.00
  Top Width (ft)          45709.32    Top Width (ft)          18567.31     371.52   26770.49
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.21       5.52       2.16
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.31     189.13      46.00
  Conv. Total (cfs)       471396700.0    Conv. (cfs)            292065500.0   22852280.0   156479000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18589.69     373.50   26811.23
  Min Ch El (ft)            565.39    Shear (lb/sq ft)            1.50       3.39       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.80      18.69       1.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    64073.25    3108.05   48624.38
  C & E Loss (ft)             0.00    Cum SA (acres)            770.90      16.49    1146.98


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268090.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.88  760.78 1407.69     760 1914.92     760 2310.52  768.41
 2392.77  768.41 2530.66     770 2738.99     770 2828.31  768.92 3133.81  749.83
 3662.58  720.93 3919.97  711.43 4524.89  700.44 4627.81  703.69 4759.25   708.1
 5547.45  697.85 5744.75  705.79 5988.87  690.69 6027.18  688.41 6700.15  688.41
 6946.58  686.05 7200.13  665.54 7300.11  658.41 7395.26  658.41 7519.56  668.92
 7792.86  697.24 7853.88  698.41 8036.41  695.22 8092.32  695.22 8131.64  693.29
 8263.58  688.66  8343.7  689.78  8472.9  697.35    8710   709.5 9098.85  726.82
 9334.97  726.82 9357.25   726.6 9499.65  720.52 9611.63  716.8210472.83  710.77
10808.46  704.2611116.65  679.3811145.42  675.8211301.17  665.1811546.58  652.06
11611.68  653.0212051.14  688.0412389.86     71012897.63  718.4112906.27  718.79
13088.93  724.6913316.97  717.4213382.44   716.113504.56  716.1613689.97     720
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14060.41     72014117.53  713.4314206.63  703.4414487.05  704.2314680.01  723.05
14753.46     73015183.11     73015721.93  704.7815907.15  666.2915924.24  662.25
16072.82  647.7716270.23  626.26 16291.8  624.5316543.04  618.9616981.51  612.78
17095.03  611.5919456.62  611.5919675.96     62020049.52     62020453.14  594.78
20623.24  594.78 20716.5  593.1820966.49  591.5921503.74  590.0221511.11  588.62
 21548.8     58021581.04  574.9921622.37  569.96 21663.7  565.3921880.62  571.22
21920.47     58021999.58  607.0922058.21  618.9122254.18  660.8522314.15  664.84
22593.35  676.77 22667.8   680.823496.72  733.1123774.64   735.624194.56  730.97
24441.66  733.1824666.22  730.8625173.38  717.1925209.46  714.1425481.21  694.03
25627.79  688.0325673.86  689.5625722.12  689.5625966.09  697.9826331.85  709.01
26477.96  714.0526730.17  725.9427220.64  742.8727427.18  748.6227801.46  746.13
 28175.5  735.3328231.34  734.0928937.49  722.77 29003.8  723.1830023.82  723.18
 30383.9  731.5931806.98  706.3732274.58  714.7833010.33  714.7833912.15  713.18
34076.88  713.1834426.95  714.4134533.84  712.8834900.63  706.3735308.15  706.37
35842.36     700   35848  699.5935994.05   648.536152.29  604.7836176.47  606.28
 36287.2  614.0736753.78  626.2237169.49  691.9537257.89  705.2237685.08  707.66
37829.33   705.337883.31  705.6138256.51  714.1138730.68  719.7639025.24  721.59
39492.43  722.2439861.64  739.5740081.74  739.88 40170.9   737.2 40617.3  723.18
41207.63     74041547.36  729.9141863.79   722.1 41988.5  718.3942056.61  715.94
42158.04  715.31 42498.5  724.5242663.17     73042747.36     73043741.88  706.93
 43834.7  704.05 44047.7  702.3844271.87  709.0344351.46  708.4144551.56  708.41
44578.19  708.6344746.07  706.0445015.03  699.6945647.27   681.745781.16  681.05
45996.89  690.7246111.36  696.41 46627.1  727.1346918.25  731.9847862.54  739.76
48026.68  742.1748497.49  749.6648626.03  755.6349458.05     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21548.8     .1521920.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21548.821920.47             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.54    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.40    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1546912.00   70289.52   1231331.00
  E.G. Slope (ft/ft)      0.000288    Area (sq ft)            1546912.00   70289.52   1231331.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4959241.00   388157.70   2655735.00
  Top Width (ft)          45715.97    Top Width (ft)          18568.10     371.67   26776.20
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.21       5.52       2.16
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.31     189.12      45.99
  Conv. Total (cfs)       471337200.0    Conv. (cfs)             292069900.0   22860190.0   156407000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18590.43     373.65   26816.88
  Min Ch El (ft)            565.39    Shear (lb/sq ft)            1.50       3.39       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.80      18.70       1.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    63896.05    3100.00   48483.32
  C & E Loss (ft)             0.00    Cum SA (acres)            768.77      16.44    1143.91


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268085.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.91  760.79 1407.72     760 1914.96     760 2310.57  768.38
 2392.82  768.38 2530.72     770 2739.05     770 2828.37   768.9 3133.88   749.8
 3662.66  720.94 3920.06  711.45 4524.99  700.45 4627.91  703.68 4759.35  708.07
 5547.57  697.82 5744.87  705.73    5989  690.66 6027.31  688.38  6700.3  688.38
 6946.73  685.99 7200.29   665.5 7300.28  658.38 7395.42  658.38 7519.73  668.87
 7793.04   697.2 7854.05  698.38 8036.59  695.15  8092.5  695.15 8131.83  693.23
 8263.77  688.64 8343.89  689.78 8473.09  697.35 8710.19   709.5 9099.06  726.77
 9335.18  726.77 9357.46  726.55 9499.86  720.46 9611.85  716.7710473.06  710.74
 10808.7  704.17 11116.9   679.311145.67  675.7211301.42  665.1111546.84  652.09
11611.94  653.0712051.41   688.112390.14     71012897.92  718.3812906.56  718.76
13089.22  724.6113317.27  717.3213382.74     71613504.86   716.113690.28     720
14060.72     72014117.85  713.4514206.95  703.4914487.38  704.2914680.34  723.07
14753.79     73015183.45     73015722.29  704.8515907.51  666.47 15924.6  662.43
16073.18  647.91 16270.6  626.3216292.17  624.5916543.41  618.9916981.89   612.8
17095.41  611.6219457.06  611.6219676.39     62020049.97     620 20453.6  594.85
20623.71  594.8520716.96  593.2320966.96  591.6221504.22  590.0221511.59  588.63
21549.29     58021581.65  574.9721623.14  569.9521664.64  565.39 21881.3  571.23
21921.12     58022000.24  607.2122058.88     61922254.89  660.8622314.87  664.85
22594.13  676.69 22668.6  680.7123497.68  733.0123775.66  735.5424195.68  730.98
24442.82  733.2324667.43  730.8725174.69  717.1525210.78  714.1125482.59  694.05
 25629.2  688.1525675.28   689.725723.55   689.725967.57  698.09 26333.4  709.07
26479.55   714.126731.81  726.0127222.38  742.8927428.96   748.627803.32  746.07
28177.44  735.2528233.29  734.0228939.59  722.8229005.91  723.2330026.14  723.23
30386.29  731.6231809.67  706.4632277.37  714.8533013.27  714.8533915.28  713.23
34080.04  713.2334430.18  714.4734537.09  712.9634903.96  706.4635311.57  706.46
35845.88     70035851.53  699.5835997.61  648.4536155.89  604.8536180.07  606.35
36290.82  614.13 36757.5  626.31 37173.3  691.9237261.72  705.1537688.99  707.58
37833.27  705.1737887.27  705.4838260.54  714.07 38734.8  719.7639029.43  721.62
39496.71  722.27   39866  739.5640086.15  739.8740175.32  737.2140621.82  723.23
41212.27     74041552.07  729.9341868.56  722.18 41993.3  718.4842061.43  716.03
42162.88  715.3942503.41  724.5342668.11     73042752.32     73043747.04  706.99
43839.89  704.1144052.93  702.4244277.14  709.0244356.76  708.3844556.89  708.38
44583.53  708.6144751.45  706.0545020.46  699.7245652.84  681.7345786.75  681.07
46002.52  690.6946117.02  696.3646632.87  727.0846924.08  731.9847868.55  739.76
48032.73  742.1748503.65  749.6548632.21  755.61 49464.4     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521549.29     .1521921.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21549.2921921.12             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.54    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.40    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1546950.00   70317.99   1231061.00
  E.G. Slope (ft/ft)      0.000288    Area (sq ft)            1546950.00   70317.99   1231061.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4960011.00   388366.30   2654756.00
  Top Width (ft)          45722.79    Top Width (ft)          18568.89     371.83   26782.06
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.21       5.52       2.16
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  Max Chl Dpth (ft)          194.01    Hydr. Depth (ft)           83.31     189.11      45.97
  Conv. Total (cfs)        471270800.0    Conv. (cfs)            292074200.0    22869250.0    156327400.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18591.18     373.80   26822.68
  Min Ch El (ft)             565.39    Shear (lb/sq ft)            1.50       3.39       0.83
  Alpha                        1.19    Stream Power (lb/ft s)      4.80      18.71       1.78
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    63718.84    3091.94   48342.28
  C & E Loss (ft)              0.00    Cum SA (acres)            766.65      16.40    1140.84


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268080.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.94   760.8 1407.75     760    1915     760 2310.62  768.36
 2392.88  768.36 2530.77     770 2739.11     770 2828.43  768.89 3133.95  749.77
 3662.74  720.96 3920.14  711.47 4525.09  700.45 4628.01  703.67 4759.46  708.04
 5547.69  697.78    5745  705.67 5989.13  690.63 6027.45  688.36 6700.45  688.36
 6946.89  685.94 7200.45  665.45 7300.44  658.36 7395.59  658.36  7519.9  668.82
 7793.21  697.16 7854.23  698.36 8036.77  695.08 8092.68  695.08 8132.01  693.16
 8263.95  688.62 8344.08  689.78 8473.28  697.36 8710.39   709.5 9099.26  726.72
 9335.39  726.72 9357.66   726.5 9500.07   720.4 9612.06  716.72 10473.3  710.71
10808.94  704.0911117.15  679.2211145.92  675.6211301.67  665.04 11547.1  652.12
 11612.2  653.1112051.68  688.1712390.42    71012898.21  718.3612906.85  718.74
13089.51  724.5313317.56  717.2213383.04   715.913505.16  716.0513690.58     720
14061.04     72014118.17  713.4714207.26  703.54 14487.7  704.3614680.67  723.08
14754.12     73015183.79    73015722.64  704.9215907.86  666.6515924.96  662.61
16073.54  648.0616270.96  626.3916292.53  624.6616543.78  619.0216982.28  612.82
17095.79  611.6419457.49  611.6419676.84    62020050.42    62020454.05  594.92
20624.17  594.9220717.42  593.2820967.42  591.64 21504.7  590.0221512.07  588.63
21549.77     58021582.26  574.9621623.92  569.9421665.57  565.3921881.99  571.25
21921.75     58022000.89  607.3322059.55  619.08 22255.6  660.8722315.59  664.87
22594.91  676.6222669.39  680.6323498.65  732.9123776.69  735.4724196.79     731
24443.98  733.2824668.64  730.88   25176  717.1125212.11  714.0725483.97  694.07
25630.61  688.27 25676.7  689.8425724.97  689.8425969.05  698.2126334.96  709.13
26481.13  714.1426733.45  726.0827224.12  742.9127430.74  748.5827805.18  746.01
28179.38  735.1828235.24  733.9528941.68  722.8629008.02  723.2830028.46  723.28
30388.69  731.6431812.36  706.5632280.15  714.9233016.21  714.9233918.41  713.28
 34083.2  713.2834433.42  714.5334540.35  713.03 34907.3  706.5635314.99  706.56
35849.41     70035855.06  699.5736001.17   648.436159.48  604.9236183.66  606.42
36294.44  614.1936761.22   626.4 37177.1  691.8937265.54  705.08 37692.9  707.51
37837.21  705.0537891.22  705.3538264.57  714.0338738.93  719.7539033.62  721.64
   39501  722.3139870.36  739.5640090.56  739.8740179.75  737.2240626.34  723.28
41216.91     74041556.79  729.9641873.34  722.25 41998.1  718.5742066.24  716.12
42167.72  715.4742508.32  724.5542673.05    73042757.28    73043752.21  707.06
43845.07  704.1744058.16  702.4544282.42    70944362.05  708.3644562.23  708.36
44588.87  708.5944756.82  706.0645025.89  699.75 45658.4  681.7545792.34  681.08
46008.16  690.6646122.68  696.3246638.63  727.0446929.91  731.9747874.58  739.76
48038.79  742.16 48509.8  749.6548638.39  755.5949470.75     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521549.77     .1521921.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21549.7721921.75             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.54    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.39    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                       Flow Area (sq ft)       1546994.00   70343.05   1230774.00
  E.G. Slope (ft/ft)      0.000288     Area (sq ft)            1546994.00   70343.05   1230774.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4960852.00   388553.40   2653728.00
  Top Width (ft)          45729.53     Top Width (ft)          18569.61     371.98   26787.94
  Vel Total (ft/s)            2.81     Avg. Vel. (ft/s)            3.21       5.52       2.16
  Max Chl Dpth (ft)         194.00     Hydr. Depth (ft)           83.31     189.10      45.95
  Conv. Total (cfs)       471201900.0    Conv. (cfs)            292080900.0    22876930.0    156244000.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18591.85     373.95   26828.50
  Min Ch El (ft)             565.39    Shear (lb/sq ft)            1.50       3.39       0.83
  Alpha                        1.19    Stream Power (lb/ft s)      4.81      18.71       1.78
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    63541.63    3083.89   48201.27
  C & E Loss (ft)              0.00    Cum SA (acres)            764.52      16.36    1137.77


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268075.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.96  760.81 1407.78     760 1915.04     760 2310.67  768.34
 2392.93  768.34 2530.83     770 2739.17     770  2828.5  768.87 3134.02  749.75
 3662.82  720.97 3920.23  711.49 4525.19  700.46 4628.12  703.66 4759.56  708.02
 5547.82  697.75 5745.13  705.61 5989.27   690.6 6027.58  688.34  6700.6  688.34
 6947.04  685.88 7200.61  665.41  7300.6  658.34 7395.75  658.34 7520.07  668.76
 7793.39  697.12  7854.4  698.34 8036.95  695.01 8092.86  695.01 8132.19   693.1
 8264.14   688.6 8344.26  689.77 8473.47  697.37 8710.58   709.5 9099.46  726.67
  9335.6  726.67 9357.87  726.45 9500.29  720.34 9612.28  716.6710473.53  710.68
10809.18     704 11117.4  679.1411146.17  675.5211301.93  664.9711547.35  652.15
11612.46  653.1612051.95  688.2312390.69     710 12898.5  718.3412907.14  718.71
13089.81  724.4613317.86  717.1113383.34  715.813505.47  715.9913690.89     720
14061.35     72014118.48  713.4914207.58  703.5914488.03  704.42   14681   723.1
14754.45     73015184.13    73015722.99  704.9915908.22  666.8215925.31  662.79
 16073.9   648.216271.32  626.46 16292.9  624.7316544.15  619.0516982.65  612.84
17096.17  611.6619457.93  611.6619677.28    62020050.87    62020454.51  594.99
20624.63  594.9920717.89  593.3320967.89  591.6621505.18  590.0221512.55  588.64
21550.25     58021582.87  574.9521624.69  569.9321666.51  565.3821882.67  571.27
21922.39     58022001.55  607.4522060.22  619.1722256.31  660.8822316.31  664.88
22595.69  676.5422670.19  680.5423499.62  732.8123777.71  735.41 24197.9  731.01
24445.15  733.3324669.85  730.8925177.32  717.0725213.43  714.0325485.35  694.08
25632.01  688.3925678.12  689.98 25726.4  689.9825970.53  698.3326336.51  709.18
26482.72  714.1826735.09  726.1427225.85  742.9327432.52  748.5627807.04  745.95
28181.31  735.1128237.19  733.8828943.78   722.929010.12  723.3330030.78  723.33
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30391.09  731.6631815.05  706.6532282.94  714.9933019.15  714.9933921.53  713.33
34086.36  713.3334436.65   714.634543.61  713.1134910.63  706.6535318.41  706.65
35852.94     70035858.59  699.5736004.73  648.3436163.07  604.9936187.26  606.48
36298.06  614.2536764.93   626.5 37180.9  691.8537269.36  705.0137696.81  707.43
37841.16  704.9237895.17  705.23 38268.6  713.9938743.06  719.7539037.81  721.66
39505.28  722.3439874.72  739.5540094.96  739.8740184.18  737.2240630.86  723.33
41221.55     740 41561.5  729.9941878.12  722.3342002.91  718.6642071.06  716.21
42172.55  715.5542513.23  724.56   42678     73042762.24     73043757.38  707.12
43850.26  704.2344063.39  702.49 44287.7  708.9944367.35  708.3444567.57  708.34
44594.21  708.56 44762.2  706.0745031.33  699.7845663.96  681.7845797.94   681.1
46013.79  690.6346128.34  696.27 46644.4     72746935.73  731.96 47880.6  739.75
48044.85  742.1648515.96  749.6448644.57  755.5849477.11     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521550.25     .1521922.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21550.2521922.39             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.54    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.39    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1547037.00   70371.18   1230524.00
  E.G. Slope (ft/ft)      0.000289    Area (sq ft)            1547037.00   70371.18   1230524.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4961588.00   388753.20   2652792.00
  Top Width (ft)          45736.09    Top Width (ft)          18570.31     372.14   26793.64
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.21       5.52       2.16
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.31     189.10      45.93
  Conv. Total (cfs)       471142900.0    Conv. (cfs)            292087700.0   22885830.0   156169400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18592.50     374.10   26834.13
  Min Ch El (ft)            565.38    Shear (lb/sq ft)            1.50       3.39       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.81      18.72       1.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    63364.41    3075.83   48060.29
  C & E Loss (ft)             0.00    Cum SA (acres)            762.39      16.32    1134.70


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268070.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1235.99  760.82 1407.81     760 1915.09     760 2310.72  768.31
 2392.98  768.31 2530.89     770 2739.23     770 2828.56  768.86 3134.09  749.72
  3662.9  720.99 3920.32  711.51 4525.29  700.46 4628.22  703.65 4759.67  707.99
 5547.94  697.72 5745.26  705.55  5989.4  690.57 6027.72  688.31 6700.75  688.31
  6947.2  685.82 7200.77  665.37 7300.77  658.31 7395.92  658.31 7520.24  668.71
 7793.56  697.08 7854.58  698.31 8037.13  694.94 8093.04  694.94 8132.37  693.03
 8264.32  688.58 8344.45  689.77 8473.66  697.38 8710.78   709.5 9099.67  726.63
 9335.81  726.63 9358.08   726.4  9500.5  720.29 9612.49  716.6310473.76  710.65
10809.42  703.9211117.65  679.0511146.42  675.4211302.18   664.911547.61  652.18
11612.72   653.212052.22  688.2912390.97     71012898.79  718.3112907.42  718.69
 13090.1  724.3813318.16  717.0113383.64   715.713505.77  715.93 13691.2     720
14061.66     720 14118.8   713.5 14207.9  703.6414488.35  704.4814681.33  723.12
14754.78     73015184.47     73015723.34  705.0615908.57     66715925.67  662.97
16074.26  648.3516271.69  626.5216293.26  624.7916544.52  619.0916983.04  612.86
17096.56  611.6919458.36  611.6919677.72     62020051.32     62020454.97  595.06
20625.09  595.0620718.35  593.3720968.36  591.6921505.66  590.0221513.04  588.64
21550.74     58021583.48  574.9321625.46  569.9221667.45  565.3821883.36  571.29
21923.03     58022002.21  607.5722060.88  619.2622257.02   660.922317.03   664.9
22596.46  676.4722670.98  680.4523500.58   732.723778.73  735.3524199.01  731.02
24446.31  733.3724671.06  730.9125178.63  717.0225214.75  713.9925486.73   694.1
25633.42   688.525679.54  690.1225727.83  690.1225972.01  698.4426338.07  709.24
 26484.3  714.2326736.72  726.2127227.59  742.9527434.31  748.54 27808.9   745.9
28183.25  735.0428239.14  733.8228945.87  722.9429012.23  723.37 30033.1  723.37
30393.48  731.6931817.74  706.7432285.73  715.0633022.09  715.0633924.66  713.37
34089.52  713.3734439.89  714.6634546.86  713.1834913.96  706.7435321.82  706.74
35856.47     70035862.12  699.5636008.29  648.2936166.66  605.0636190.86  606.55
36301.68  614.3136768.65  626.5937184.71  691.8237273.18  704.9437700.72  707.35
 37845.1  704.7937899.12   705.138272.63  713.9538747.19  719.75   39042  721.69
39509.57  722.3739879.09  739.5440099.38  739.8740188.61  737.2340635.38  723.37
 41226.2     74041566.21  730.02 41882.9  722.4142007.71  718.7542075.88  716.29
42177.39  715.6242518.14  724.5842682.94     730 42767.2     73043762.55  707.19
43855.45  704.2944068.63  702.5244292.98  708.9744372.64  708.31 44572.9  708.31
44599.55  708.5444767.57  706.0845036.76  699.8145669.53   681.845803.53  681.11
46019.43   690.6   46134  696.2346650.16  726.9646941.56  731.9647886.62  739.75
 48050.9  742.1548522.11  749.6448650.75  755.5649483.46     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521550.74     .1521923.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21550.7421923.03             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.54    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.39    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1547062.00   70396.33   1230274.00
  E.G. Slope (ft/ft)      0.000289    Area (sq ft)            1547062.00   70396.33   1230274.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4962304.00   388941.00   2651889.00
  Top Width (ft)          45742.83    Top Width (ft)          18571.03     372.29   26799.51
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.21       5.53       2.16
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.31     189.09      45.91
  Conv. Total (cfs)       471075800.0    Conv. (cfs)            292088300.0   22893620.0   156093900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18593.18     374.25   26839.94
  Min Ch El (ft)            565.38    Shear (lb/sq ft)            1.50       3.39       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.81      18.73       1.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    63187.19    3067.76   47919.34
  C & E Loss (ft)             0.00    Cum SA (acres)            760.26      16.27    1131.63


CROSS SECTION
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RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268065.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1236.02  760.83 1407.84     760 1915.13     760 2310.78  768.29
  2393.04  768.29 2530.94     770 2739.29     770 2828.62  768.84 3134.16  749.69
  3662.99     721 3920.41  711.53  4525.4  700.47 4628.32  703.64 4759.78  707.96
  5548.07  697.69 5745.39  705.48 5989.54  690.54 6027.85  688.29  6700.9  688.29
  6947.35  685.76 7200.94  665.32 7300.93  658.29 7396.09  658.29  7520.4  668.66
  7793.74  697.04 7854.76  698.29 8037.31  694.87 8093.23  694.87 8132.55  692.97
   8264.5  688.56 8344.64  689.77 8473.85  697.38 8710.97   709.5 9099.87  726.58
  9336.02  726.58 9358.29  726.35 9500.71  720.23 9612.71  716.58   10474  710.62
 10809.66  703.83 11117.9  678.9711146.67  675.3211302.43  664.8311547.87  652.21
 11612.98  653.2512052.49  688.3512391.25     71012899.08  718.2912907.71  718.66
 13090.39   724.313318.46   716.913383.94   715.613506.07  715.88 13691.5     720
 14061.98     72014119.11  713.5214208.22  703.6914488.68  704.5414681.66  723.14
 14755.11     73015184.81     73015723.69  705.1315908.93  667.1815926.03  663.15
 16074.62  648.4916272.05  626.5916293.63  624.8616544.89  619.1216983.42  612.88
 17096.94  611.71 19458.8  611.7119678.16     62020051.77     62020455.43  595.13
 20625.55  595.1320718.81  593.4220968.83  591.7121506.14  590.0221513.52  588.64
 21551.22     58021584.09  574.9221626.24  569.9121668.38  565.3821884.04  571.31
 21923.67     58022002.86  607.6922061.55  619.3422257.73  660.9122317.75  664.91
 22597.24  676.3922671.77  680.3723501.55   732.623779.76  735.2824200.12  731.04
 24447.47  733.4224672.27  730.9225179.95  716.9825216.07  713.9525488.11  694.12
 25634.83  688.6225680.96  690.2625729.26  690.2625973.49  698.5626339.62   709.3
 26485.89  714.2726738.36  726.2827229.33  742.9727436.09  748.5227810.76  745.84
 28185.19  734.9728241.09  733.7528947.97  722.9829014.34  723.4230035.42  723.42
 30395.88  731.7131820.43  706.8432288.52  715.1333025.04  715.1333927.79  713.42
 34092.69  713.4234443.12  714.7334550.12  713.26 34917.3  706.8435325.24  706.84
    35860     70035865.65  699.5536011.85  648.2436170.26  605.1336194.46  606.61
  36305.3  614.3736772.37  626.6837188.51  691.79   37277  704.8737704.63  707.28
 37849.04  704.6737903.07  704.9738276.66  713.9138751.32  719.7439046.19  721.71
 39513.86  722.4139883.45  739.5440103.78  739.8740193.03  737.2440639.89  723.42
 41230.84     74041570.92  730.0541887.68  722.4942012.51  718.83 42080.7  716.38
 42182.23   715.742523.05  724.5942687.89     73042772.16     73043767.71  707.25
 43860.63  704.3544073.86  702.5644298.25  708.9644377.94  708.2944578.24  708.29
 44604.89  708.5244772.95  706.0945042.19  699.8445675.09  681.8345809.12  681.13
 46025.07  690.5746139.66  696.1846655.93  726.9246947.38  731.9547892.64  739.75
 48056.96  742.1448528.27  749.6348656.93  755.5549489.82     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1521551.22     .1521923.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21551.2221923.67             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.54    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.39    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1547116.00   70423.14   1229987.00
  E.G. Slope (ft/ft)      0.000289    Area (sq ft)            1547116.00   70423.14   1229987.00
  Q Total (cfs)           8003133.00    Flow (cfs)            4963147.00   389134.70   2650852.00
  Top Width (ft)          45749.48    Top Width (ft)          18571.82     372.45   26805.21
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.21       5.53       2.16
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.30     189.08      45.89
  Conv. Total (cfs)       471010800.0    Conv. (cfs)            292097500.0   22901860.0   156011400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18593.92     374.40   26845.58
  Min Ch El (ft)            565.38    Shear (lb/sq ft)            1.50       3.39       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.81      18.73       1.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    63009.96    3059.70   47778.43
  C & E Loss (ft)             0.00    Cum SA (acres)            758.14      16.23    1128.56


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268060.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1236.05  760.85 1407.88     760 1915.17     760 2310.83  768.27
  2393.09  768.27    2531     770 2739.35     770 2828.69  768.82 3134.23  749.66
  3663.07  721.01 3920.49  711.55  4525.5  700.48 4628.43  703.63 4759.88  707.93
  5548.19  697.66 5745.52  705.42 5989.67  690.51 6027.99  688.27 6701.05  688.27
  6947.51   685.7  7201.1  665.28 7301.09  658.27 7396.25  658.27 7520.57  668.61
  7793.91     697 7854.93  698.27 8037.49   694.8 8093.41   694.8 8132.74   692.9
  8264.69  688.54 8344.82  689.76 8474.04  697.39 8711.17  709.51 9100.07  726.53
  9336.23  726.53  9358.5   726.3 9500.92  720.17 9612.92  716.5310474.23  710.59
 10809.91  703.7511118.15  678.8911146.92  675.2211302.69  664.7611548.13  652.24
 11613.24  653.2912052.76  688.4112391.53     71012899.37  718.27   12908  718.64
 13090.68  724.2213318.76   716.813384.24   715.513506.37  715.8213691.81     720
 14062.29     72014119.43  713.5414208.54  703.74   14489   704.614681.98  723.16
 14755.44     73015185.15     73015724.05   705.215909.29  667.3615926.38  663.33
 16074.98  648.6416272.42  626.6516293.99  624.9216545.26  619.1516983.79   612.9
 17097.32  611.7319459.23  611.73 19678.6     62020052.22     62020455.88   595.2
 20626.01   595.220719.28  593.47 20969.3  591.7321506.62  590.02   21514  588.65
  21551.7     580 21584.7   574.921627.01   569.921669.32  565.3821884.73  571.32
 21924.31     58022003.52  607.8122062.22  619.4322258.44  660.9222318.47  664.92
 22598.02  676.3222672.57  680.2823502.52   732.523780.78  735.2224201.23  731.05
 24448.63  733.4724673.47  730.9325181.26  716.9425217.39  713.9125489.48  694.13
 25636.24  688.7425682.37   690.425730.69   690.425974.97  698.6826341.18  709.36
 26487.47  714.32   26740  726.3427231.07  742.9927437.87   748.527812.62  745.78
 28187.13   734.928243.04  733.6828950.06  723.0229016.45  723.4730037.74  723.47
 30398.27  731.7331823.12  706.93 32291.3   715.233027.97   715.233930.91  713.47
 34095.85  713.4734446.36  714.7934553.38  713.3334920.63  706.9335328.66  706.93
 35863.52     70035869.18  699.5536015.41  648.1936173.85   605.236198.05  606.68
 36308.92  614.4336776.09  626.7737192.31  691.7537280.83   704.837708.54   707.2
 37852.98  704.5437907.02  704.8538280.69  713.8738755.44  719.7439050.38  721.73
 39518.14  722.4439887.81  739.5340108.19  739.8740197.46  737.2540644.41  723.47
 41235.48     74041575.63  730.0841892.45  722.5642017.32  718.9242085.52  716.47
 42187.07  715.7842527.96  724.6142692.83     73042777.12     73043772.88  707.32
 43865.82  704.4144079.09  702.5944303.53  708.9544383.23  708.2744583.57  708.27
 44610.23   708.544778.32  706.1145047.62  699.8745680.65  681.8545814.71  681.14
  46030.7  690.5446145.32  696.13 46661.7  726.8746953.21  731.9547898.67  739.74
 48063.02  742.1448534.42  749.6348663.11  755.5349496.17     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21551.7     .1521924.31     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21551.721924.31             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.53    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.39    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1547161.00   70452.11   1229731.00
  E.G. Slope (ft/ft)      0.000289    Area (sq ft)            1547161.00   70452.11   1229731.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4963898.00   389341.90   2649893.00
  Top Width (ft)          45756.29    Top Width (ft)          18572.61     372.61   26811.08
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.21       5.53       2.15
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.30     189.08      45.87
  Conv. Total (cfs)       470949800.0    Conv. (cfs)             292104000.0   22911090.0   155934800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18594.66     374.56   26851.39
  Min Ch El (ft)            565.38    Shear (lb/sq ft)            1.50       3.39       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.81      18.74       1.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    62832.73    3051.63   47637.54
  C & E Loss (ft)             0.00    Cum SA (acres)            756.01      16.19    1125.49


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268055.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.08  760.86 1407.91     760 1915.22     760 2310.88  768.24
 2393.14  768.24 2531.06    770 2739.42     770 2828.75  768.81  3134.3  749.64
 3663.15  721.03 3920.58  711.57  4525.6  700.48 4628.53  703.62 4759.99   707.9
 5548.31  697.63 5745.65  705.36  5989.8  690.48 6028.12  688.24  6701.2  688.24
 6947.66  685.65 7201.26  665.24 7301.26  658.24 7396.42  658.24 7520.74  668.55
 7794.08  696.96 7855.11  698.24 8037.67  694.73 8093.59  694.73 8132.92  692.84
 8264.88  688.52 8345.01  689.76 8474.23   697.4 8711.36  709.51 9100.28  726.49
 9336.44  726.49 9358.71  726.25 9501.14  720.12 9613.14  716.4910474.47  710.56
10810.15  703.6711118.39  678.8111147.17  675.1211302.94  664.6911548.39  652.27
 11613.5  653.3312053.03  688.47 12391.8     71012899.66  718.2412908.29  718.62
13090.98  724.1413319.05  716.6913384.54   715.413506.68  715.7613692.12     720
14062.61     72014119.75  713.5614208.85  703.7914489.33  704.6714682.31  723.18
14755.77     73015185.49    730 15724.4  705.2715909.64  667.5315926.74  663.51
16075.34  648.7916272.78  626.7216294.36  624.9916545.63  619.1816984.18  612.92
17097.71  611.7619459.67  611.7619679.04     62020052.67     62020456.34  595.27
20626.48  595.2720719.74  593.5120969.77  591.7621507.11  590.0221514.48  588.65
21552.18     58021585.31  574.8921627.78  569.8921670.26  565.3821885.41  571.34
21924.95     58022004.17  607.9322062.89  619.5222259.14  660.93 22319.2  664.94
 22598.8  676.2522673.36   680.223503.48   732.423781.81  735.1524202.34  731.07
24449.79  733.5124674.68  730.9425182.58   716.925218.71  713.8725490.86  694.15
25637.65  688.8625683.79  690.5425732.12  690.5425976.45   698.826342.73  709.42
26489.06  714.3626741.63  726.4127232.81  743.0127439.65  748.4827814.48  745.73
28189.06  734.8328244.99  733.6228952.16  723.0629018.56  723.5130040.06  723.51
30400.67  731.7631825.82  707.0332294.09  715.2733030.91  715.2733934.04  713.51
34099.01  713.5134449.59  714.8634556.63  713.4134923.96  707.0335332.07  707.03
35867.05     70035872.71  699.5436018.97  648.1436177.44  605.2736201.65  606.75
36312.54  614.49 36779.8  626.8637196.12  691.7237284.65  704.7337712.45  707.12
37856.92  704.4237910.98  704.7238284.72  713.8338759.57  719.7439054.57  721.76
39522.43  722.4739892.17  739.53 40112.6  739.8640201.88  737.2640648.93  723.51
41240.12     74041580.34   730.141897.23  722.6442022.12  719.0142090.33  716.56
42191.91  715.8642532.87  724.6342697.77     73042782.08     73043778.05  707.38
   43871  704.4744084.32  702.6344308.81  708.9344388.52  708.2444588.91  708.24
44615.57  708.48 44783.7  706.1245053.05  699.8945686.21  681.88 45820.3  681.16
46036.34  690.5146150.98  696.0946667.46  726.8346959.04  731.9447904.69  739.74
48069.07  742.1348540.57  749.62 48669.3  755.5249502.52     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521552.18     .1521924.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21552.1821924.95             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.53    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.39    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1547177.00   70478.63   1229455.00
  E.G. Slope (ft/ft)      0.000289    Area (sq ft)            1547177.00   70478.63   1229455.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4964652.00   389540.80   2648941.00
  Top Width (ft)          45762.79    Top Width (ft)          18573.23     372.77   26816.79
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.21       5.53       2.15
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.30     189.07      45.85
  Conv. Total (cfs)       470876900.0    Conv. (cfs)             292103000.0   22919250.0   155854600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18595.24     374.71   26857.04
  Min Ch El (ft)            565.38    Shear (lb/sq ft)            1.50       3.39       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.81      18.75       1.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    62655.50    3043.56   47496.68
  C & E Loss (ft)             0.00    Cum SA (acres)            753.88      16.14    1122.42


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268050.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1236.1  760.87 1407.94     760 1915.26     760 2310.93  768.22
  2393.2  768.22 2531.11    770 2739.48     770 2828.81  768.79 3134.37  749.61
 3663.23  721.04 3920.67  711.59  4525.7  700.49 4628.63  703.61  4760.1  707.88
 5548.44  697.59 5745.77   705.3 5989.94  690.45 6028.26  688.22 6701.35  688.22
 6947.82  685.59 7201.42  665.19 7301.42  658.22 7396.58  658.22 7520.91   668.5
```

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 7794.26  696.92 7855.28  698.22 8037.85  694.66 8093.77  694.66  8133.1  692.77
 8265.06   688.5  8345.2  689.76 8474.42  697.41 8711.56  709.51 9100.48  726.44
 9336.64  726.44 9358.92   726.2 9501.35  720.06 9613.35  716.44 10474.7  710.53
10810.39  703.5811118.64  678.7311147.42  675.0311303.19  664.6211548.65   652.3
11613.76  653.38 12053.3  688.5312392.08     71012899.95  718.2212908.58  718.59
13091.27  724.0713319.35  716.5913384.84   715.313506.98  715.7113692.42     720
14062.92     72014120.06  713.5814209.17  703.8414489.65  704.7314682.64   723.2
 14756.1     73015185.83     73015724.75  705.34   15910  667.7115927.09  663.69
 16075.7  648.9316273.15  626.7916294.72  625.06   16546  619.2116984.56  612.94
17098.09  611.7819460.11  611.7819679.48     62020053.11     620 20456.8  595.34
20626.94  595.3420720.21  593.5620970.24  591.7821507.59  590.0221514.96  588.66
21552.67     58021585.92  574.8821628.56  569.88 21671.2  565.38 21886.1  571.36
21925.59     58022004.83  608.0522063.56   619.622259.85  660.9522319.92  664.95
22599.58  676.1722674.16  680.1123504.45   732.323782.83  735.0924203.45  731.08
24450.96  733.5624675.89  730.9625183.89  716.8625220.04  713.8325492.24  694.17
25639.06  688.9825685.21  690.6825733.54  690.6825977.93  698.9126344.29  709.48
26490.64  714.4126743.27  726.4827234.55  743.0327441.43  748.4627816.34  745.67
   28191  734.7628246.94  733.5528954.25   723.129020.67  723.5630042.38  723.56
30403.06  731.7831828.51  707.1232296.88  715.3433033.86  715.3433937.17  713.56
34102.17  713.5634452.82  714.9234559.89  713.48 34927.3  707.1235335.49  707.12
35870.58     70035876.24  699.5436022.53  648.0936181.04  605.3436205.25  606.81
36316.16  614.5536783.52  626.9537199.92  691.6937288.47  704.6637716.36  707.04
37860.86  704.2937914.93  704.5938288.75  713.79 38763.7  719.7339058.75  721.78
39526.71  722.5139896.54  739.52   40117  739.8640206.31  737.2640653.45  723.56
41244.76     74041585.05  730.1341902.01  722.7242026.92   719.142095.15  716.64
42196.75  715.9442537.78  724.6442702.71     73042787.04     73043783.21  707.44
43876.19  704.5344089.55  702.6644314.09  708.9244393.82  708.2244594.24  708.22
44620.92  708.4644789.08  706.1345058.48  699.9245691.78   681.945825.89  681.17
46041.97  690.4846156.64  696.0446673.23  726.7946964.86  731.9447910.71  739.74
48075.13  742.1248546.73  749.6248675.48   755.549508.88     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521552.67     .1521925.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21552.6721925.59             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.53    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.39    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1547226.00   70503.77   1229199.00
  E.G. Slope (ft/ft)      0.000289    Area (sq ft)            1547226.00   70503.77   1229199.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4965425.00   389723.00   2647986.00
  Top Width (ft)          45769.61    Top Width (ft)          18574.04     372.92   26822.66
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.21       5.53       2.15
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.30     189.06      45.83
  Conv. Total (cfs)       470815400.0    Conv. (cfs)            292110400.0   22926970.0   155778000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18595.99     374.86   26862.86
  Min Ch El (ft)            565.38    Shear (lb/sq ft)            1.50       3.39       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.82      18.75       1.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    62478.26    3035.48   47355.86
  C & E Loss (ft)             0.00    Cum SA (acres)            751.75      16.10    1119.35


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268045.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.13  760.88 1407.97     760  1915.3     760 2310.98   768.2
 2393.25   768.2 2531.17    770 2739.54     770 2828.88  768.78 3134.44  749.58
 3663.31  721.05 3920.76  711.61  4525.8   700.5 4628.74   703.6  4760.2  707.85
 5548.56  697.56  5745.9  705.24 5990.07  690.42 6028.39   688.2  6701.5   688.2
 6947.98  685.53 7201.58  665.15 7301.58   658.2 7396.75   658.2 7521.08  668.45
 7794.43  696.88 7855.46   698.2 8038.03  694.59 8093.95  694.59 8133.28  692.71
 8265.25  688.48 8345.38  689.76 8474.61  697.41 8711.75  709.51 9100.69  726.39
 9336.85  726.39 9359.13  726.15 9501.56     720 9613.57  716.3910474.94   710.5
10810.63   703.511118.89  678.6511147.67  674.9311303.45  664.5511548.91  652.33
11614.02  653.4212053.57  688.5912392.36     71012900.23   718.212908.87  718.57
13091.56  723.9913319.65  716.4913385.14   715.213507.28  715.6513692.73     720
14063.24     72014120.38   713.614209.49  703.8914489.97  704.7914682.97  723.22
14756.43     73015186.17     730 15725.1  705.4115910.35  667.8915927.45  663.87
16076.06  649.0816273.51  626.8516295.08  625.1216546.37  619.2416984.94  612.96
17098.47   611.819460.54   611.819679.92     62020053.56     62020457.26  595.41
 20627.4  595.4120720.67  593.6120970.71   591.821508.07  590.0221515.44  588.66
21553.15     58021586.53  574.8621629.33  569.8721672.13  565.3721886.79  571.38
21926.23     58022005.48  608.1722064.22  619.6922260.56  660.9622320.64  664.97
22600.36   676.122674.95  680.0323505.41   732.223783.86  735.0224204.56  731.09
24452.12  733.61 24677.1  730.9725185.21  716.8225221.36  713.7925493.62  694.18
25640.46  689.0925686.63  690.8225734.97  690.82 25979.4  699.0326345.84  709.53
26492.23  714.4526744.91  726.5527236.29  743.0527443.22  748.44 27818.2  745.61
28192.94  734.6928248.88  733.4828956.35  723.1429022.78  723.6130044.71  723.61
30405.46   731.8 31831.2  707.2132299.67  715.41 33036.8  715.41 33940.3  713.61
34105.33  713.6134456.06  714.9934563.15  713.5634930.63  707.2135338.91  707.21
35874.11     70035879.77  699.5336026.09  648.0336184.63  605.4136208.85  606.88
36319.79  614.6136787.24  627.0537203.72  691.6537292.29  704.5937720.28  706.97
 37864.8  704.1637918.88  704.4638292.78  713.7538767.82  719.7339062.94   721.8
   39531  722.5439900.89  739.5140121.41  739.8640210.73  737.2740657.97  723.61
 41249.4     74041589.77  730.1641906.79   722.842031.73  719.1942099.97  716.73
42201.59  716.0142542.69  724.6642707.66     730   42792     73043788.38  707.51
43881.38  704.5944094.78   702.744319.36   708.944399.11   708.244599.58   708.2
44626.26  708.4444794.45  706.1445063.92  699.9545697.34  681.9345831.48  681.19
46047.61  690.4546162.29     696   46679  726.7546970.69  731.9347916.73  739.73
48081.19  742.1248552.88  749.6148681.66  755.4849515.23     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521553.15     .1521926.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21553.1521926.23             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.53    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
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  W.S. Elev (ft)            759.38    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1547275.00   70532.42   1228931.00
  E.G. Slope (ft/ft)      0.000289    Area (sq ft)            1547275.00   70532.42   1228931.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4966219.00   389929.30   2646985.00
  Top Width (ft)          45776.34    Top Width (ft)          18574.74     373.08   26828.53
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.21       5.53       2.15
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.30     189.05      45.81
  Conv. Total (cfs)       470754000.0    Conv. (cfs)            292119000.0   22936120.0   155698900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18596.65     375.01   26868.67
  Min Ch El (ft)            565.37    Shear (lb/sq ft)            1.50       3.39       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.82      18.76       1.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    62301.01    3027.40   47215.06
  C & E Loss (ft)             0.00    Cum SA (acres)            749.63      16.06    1116.28


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268040.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.16  760.89    1408     760 1915.34     760 2311.03  768.17
  2393.3  768.17 2531.23    770  2739.6     770 2828.94  768.76 3134.51  749.55
  3663.4  721.07 3920.85  711.64  4525.9   700.5 4628.84  703.59 4760.31  707.82
 5548.69  697.53 5746.03  705.18 5990.21  690.39 6028.52  688.17 6701.65  688.17
 6948.13  685.47 7201.74  665.11 7301.75  658.17 7396.91  658.17 7521.25  668.39
 7794.61  696.84 7855.63  698.17 8038.21  694.52 8094.13  694.52 8133.46  692.64
 8265.43  688.47 8345.57  689.75  8474.8  697.42 8711.95  709.51 9100.89  726.35
 9337.06  726.35 9359.34   726.1 9501.78  719.94 9613.78  716.3510475.17  710.47
10810.87  703.4111119.14  678.5611147.92  674.83 11303.7  664.4811549.16  652.36
11614.28  653.4712053.84  688.6512392.64     71012900.52  718.1712909.16  718.54
13091.86  723.9113319.95  716.3813385.44  715.0913507.58  715.5913693.03     720
14063.55     72014120.69  713.6114209.81  703.94 14490.3  704.85 14683.3  723.24
14756.76     73015186.51     73015725.46  705.4815910.71  668.0715927.81  664.05
16076.42  649.2216273.87  626.9216295.45  625.1916546.74  619.2716985.32  612.98
17098.85  611.8319460.98  611.8319680.36     62020054.01     62020457.72  595.48
20627.86  595.4820721.13  593.6520971.18  591.8321508.55  590.0221515.93  588.66
21553.63     58021587.14  574.85 21630.1  569.8521673.07  565.3721887.47   571.4
21926.87     58022006.14  608.2922064.89  619.7822261.27  660.9722321.36  664.98
22601.14  676.0222675.75  679.9423506.38   732.123784.88  734.9624205.68  731.11
24453.28  733.6524678.31  730.9825186.52  716.7825222.68  713.75   25495   694.2
25641.88  689.2125688.04  690.96 25736.4  690.9625980.88  699.1526347.39  709.59
26493.81   714.526746.55  726.6127238.03  743.07   27445  748.4227820.06  745.56
28194.88  734.6228250.83  733.4128958.44  723.1829024.89  723.6530047.03  723.65
30407.86  731.8331833.89  707.3132302.46  715.4833039.74  715.4833943.43  713.65
 34108.5  713.6534459.29  715.05 34566.4  713.6434933.96  707.3135342.33  707.31
35877.64     700 35883.3  699.5236029.65  647.9836188.22  605.4836212.45  606.94
 36323.4  614.6736790.96  627.1437207.53  691.6237296.12  704.5237724.19  706.89
37868.74  704.0437922.83  704.34 38296.8  713.7238771.95  719.7339067.13  721.83
39535.28  722.5739905.26  739.5140125.82  739.8640215.16  737.2840662.49  723.65
41254.04     74041594.48  730.1941911.56  722.8842036.53  719.2742104.79  716.82
42206.43  716.09 42547.6  724.67 42712.6     73042796.96     73043793.55  707.57
43886.57  704.6544100.01  702.7344324.64  708.8944404.41  708.1744604.91  708.17
 44631.6  708.4244799.83  706.1545069.35  699.98 45702.9  681.9545837.07   681.2
46053.24  690.4246167.95  695.9546684.76   726.746976.52  731.9347922.76  739.73
48087.24  742.1148559.04  749.6148687.84  755.4749521.58     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521553.63     .1521926.87     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21553.6321926.87             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.53    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.38    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1547303.00   70559.42   1228661.00
  E.G. Slope (ft/ft)      0.000289    Area (sq ft)            1547303.00   70559.42   1228661.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4966969.00   390129.80   2646035.00
  Top Width (ft)          45782.99    Top Width (ft)          18575.53     373.24   26834.22
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.21       5.53       2.15
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.30     189.05      45.79
  Conv. Total (cfs)       470684600.0    Conv. (cfs)            292120100.0   22944530.0   155620000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18597.40     375.17   26874.31
  Min Ch El (ft)            565.37    Shear (lb/sq ft)            1.50       3.39       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.82      18.77       1.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    62123.76    3019.32   47074.30
  C & E Loss (ft)             0.00    Cum SA (acres)            747.50      16.02    1113.20


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268035.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.19   760.9 1408.03     760 1915.39     760 2311.09  768.15
 2393.36  768.15 2531.28    770 2739.66     770    2829  768.74 3134.58  749.53
 3663.48  721.08 3920.93  711.66    4526  700.51 4628.94  703.58 4760.42  707.79
 5548.81   697.5 5746.16  705.11 5990.34  690.36 6028.66  688.15  6701.8  688.15
 6948.29  685.41  7201.9  665.06 7301.91  658.15 7397.08  658.15 7521.41  668.34
 7794.78   696.8 7855.81  698.15 8038.39  694.45 8094.31  694.45 8133.65  692.58
 8265.62  688.45 8345.76  689.75 8474.99  697.43 8712.14  709.51 9101.09   726.3
 9337.27   726.3 9359.55  726.05 9501.99  719.89    9614   716.310475.41  710.44
10811.12  703.3311119.39  678.4811148.17  674.7311303.95  664.4111549.42  652.39
11614.54  653.5112054.11  688.7212392.91     71012900.81  718.1512909.45  718.52
13092.15  723.8313320.25  716.2813385.74  714.9913507.88  715.5413693.34     720
14063.87     72014121.01  713.6314210.13  703.9914490.62  704.9214683.63  723.26
14757.09     73015186.85     73015725.81  705.5515911.07  668.2415928.16  664.23
16076.78  649.3716274.24  626.9916295.81  625.2616547.11   619.3 16985.7     613
17099.23  611.8519461.41  611.85 19680.8     62020054.46     62020458.17  595.55
20628.32  595.55 20721.6   593.720971.65  591.8521509.03  590.0321516.41  588.67
21554.11     58021587.75  574.8321630.88  569.84   21674  565.3721888.16  571.41
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```
21927.51     58022006.79  608.4122065.56  619.8622261.98  660.9822322.08     665
22601.92  675.9522676.54  679.8523507.35  731.99 23785.9  734.8924206.79  731.12
24454.45   733.724679.52  730.9925187.83  716.73   25224  713.7125496.38  694.22
25643.28  689.3325689.46   691.125737.83   691.125982.36  699.2626348.95  709.65
 26495.4  714.5426748.19  726.6827239.77  743.0927446.78   748.427821.92   745.5
28196.81  734.5528252.78  733.3528960.54  723.22   29027   723.730049.35   723.7
30410.25  731.8531836.58   707.432305.24  715.5533042.68  715.5533946.55   713.7
34111.66   713.734462.53  715.1234569.66  713.7134937.29   707.435345.75   707.4
35881.16     70035886.82  699.5236033.21  647.9336191.81  605.5536216.04  607.01
36327.02  614.7336794.67  627.2337211.33  691.5937299.94  704.45 37728.1  706.81
37872.68  703.9137926.79  704.2138300.84  713.6838776.08  719.7239071.32  721.85
39539.57   722.639909.62   739.540130.23  739.8640219.59  737.2940667.01   723.7
41258.69     74041599.19  730.2241916.34  722.9542041.34  719.3642109.61  716.91
42211.27  716.1742552.51  724.6942717.55     73042801.93     73043798.72  707.64
43891.75  704.7144105.24  702.7744329.92  708.87 44409.7  708.1544610.25  708.15
44636.94   708.4 44805.2  706.1645074.78  700.0145708.46  681.9845842.66  681.22
46058.88  690.3946173.61  695.9146690.53  726.6646982.34  731.9247928.78  739.73
 48093.3  742.1148565.19   749.648694.02  755.4549527.94     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521554.11     .1521927.51     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21554.1121927.51             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.53    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.38    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1547337.00   70588.38   1228403.00
  E.G. Slope (ft/ft)      0.000289    Area (sq ft)            1547337.00   70588.38   1228403.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4967705.00   390339.50   2645089.00
  Top Width (ft)          45789.73    Top Width (ft)          18576.23     373.40   26840.10
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.21       5.53       2.15
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.30     189.04      45.77
  Conv. Total (cfs)       470620800.0    Conv. (cfs)            292123700.0   22953750.0   155543300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18598.06     375.33   26880.13
  Min Ch El (ft)            565.37    Shear (lb/sq ft)            1.50       3.40       0.83
  Alpha                       1.19    Stream Power (lb/ft s)      4.82      18.78       1.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    61946.51    3011.24   46933.56
  C & E Loss (ft)             0.00    Cum SA (acres)            745.37      15.97    1110.13


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268030.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.21  760.91 1408.06     760 1915.43     760 2311.14  768.13
 2393.41  768.13 2531.34     770 2739.72     770 2829.07  768.73 3134.65   749.5
 3663.56  721.09 3921.02  711.68  4526.1  700.52 4629.05  703.57 4760.52  707.76
 5548.94  697.47 5746.29  705.05 5990.47  690.33 6028.79  688.13 6701.95  688.13
 6948.44  685.36 7202.06  665.02 7302.07  658.13 7397.25  658.13 7521.58  668.29
 7794.96  696.76 7855.99  698.13 8038.57  694.38 8094.49  694.38 8133.83  692.51
  8265.8  688.43 8345.94  689.75 8475.18  697.43 8712.33  709.51  9101.3  726.25
 9337.48  726.25 9359.76     726  9502.2  719.83 9614.21  716.2510475.64  710.41
10811.36  703.2411119.64   678.411148.42  674.6311304.21  664.3411549.68  652.42
 11614.8  653.5612054.38  688.7812393.19     710 12901.1  718.1312909.74  718.49
13092.44  723.7513320.55  716.1713386.04  714.8913508.19  715.4813693.65     720
14064.18     72014121.33  713.6514210.44  704.0414490.95  704.9814683.96  723.28
14757.42     73015187.19     73015726.16  705.6215911.42  668.4215928.52  664.41
16077.14  649.51 16274.6  627.0516296.18  625.3216547.48  619.3316986.08  613.02
17099.62  611.8719461.85  611.8719681.24     62020054.91     62020458.63  595.62
20628.79  595.6220722.06  593.7520972.12  591.8721509.51  590.0321516.89  588.67
 21554.6     58021588.36  574.8221631.65  569.8321674.94  565.3721888.84  571.43
21928.15     58022007.45  608.5322066.23  619.9522262.69     661 22322.8  665.01
 22602.7  675.8722677.34  679.7723508.31  731.8923786.93  734.83 24207.9  731.14
24455.61  733.7524680.73  731.0125189.15  716.6925225.32  713.6725497.75  694.23
25644.69  689.4525690.88  691.2425739.26  691.2425983.84  699.38 26350.5  709.71
26496.98  714.5826749.82  726.7527241.51  743.1127448.56  748.3827823.78  745.44
28198.75  734.4828254.73  733.2828962.63  723.2629029.11  723.7530051.67  723.75
30412.65  731.8731839.27  707.4932308.03  715.6233045.62  715.6233949.68  713.75
34114.82  713.7534465.77  715.1834572.92  713.7934940.62  707.4935349.16  707.49
 35884.7     70035890.36  699.5136036.77  647.8836195.41  605.6236219.64  607.08
36330.64  614.7936798.39  627.3237215.14  691.5537303.76  704.3837732.01  706.74
37876.62  703.7937930.73  704.0838304.86  713.6438780.21  719.7239075.51  721.87
39543.86  722.6439913.98  739.4940134.64  739.8540224.02  737.2940671.53  723.75
41263.33     74041603.91  730.2441921.12  723.0342046.14  719.4542114.42  716.99
42216.11  716.2542557.42   724.742722.49     73042806.89     73043803.89   707.7
43896.94  704.7644110.48   702.8 44335.2  708.8644414.99  708.1344615.59  708.13
44642.28  708.3844810.58  706.1745080.21  700.0445714.03     68245848.25  681.23
46064.51  690.3646179.27  695.8646696.29  726.6246988.17  731.92 47934.8  739.72
48099.36   742.148571.34   749.6 48700.2  755.4449534.29     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21554.6     .1521928.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21554.621928.15             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.53    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.38    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1547391.00   70613.55   1228141.00
  E.G. Slope (ft/ft)      0.000289    Area (sq ft)            1547391.00   70613.55   1228141.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4968502.00   390520.30   2644111.00
  Top Width (ft)          45796.29    Top Width (ft)          18576.94     373.55   26845.79
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.21       5.53       2.15
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.30     189.03      45.75
  Conv. Total (cfs)       470561500.0    Conv. (cfs)            292133800.0   22961480.0   155466200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18598.73     375.47   26885.78
  Min Ch El (ft)            565.37    Shear (lb/sq ft)            1.50       3.40       0.82
  Alpha                       1.19    Stream Power (lb/ft s)      4.82      18.78       1.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    61769.25    3003.15   46792.86
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  C & E Loss (ft)             0.00    Cum SA (acres)            743.24      15.93    1107.05


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268025.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.24  760.93  1408.1     760 1915.47     760 2311.19   768.1
 2393.47   768.1  2531.4     770 2739.78     770 2829.13  768.71 3134.72  749.47
 3663.64  721.11 3921.11   711.7 4526.21  700.52 4629.15  703.56 4760.63  707.74
 5549.06  697.44 5746.42  704.99 5990.61   690.3 6028.93   688.1  6702.1   688.1
  6948.6   685.3 7202.23  664.98 7302.24   658.1 7397.41   658.1 7521.75  668.24
 7795.13  696.72 7856.16   698.1 8038.75  694.31 8094.67  694.31 8134.01  692.45
 8265.99  688.41 8346.13  689.74 8475.37  697.44 8712.53  709.52  9101.5  726.21
 9337.69  726.21 9359.97  725.95 9502.41  719.77 9614.43  716.2110475.88  710.38
 10811.6  703.1611119.89  678.3211148.67  674.5311304.46  664.2711549.94  652.45
11615.06   653.612054.65  688.8412393.47     71012901.39   718.112910.02  718.47
13092.74  723.6813320.84  716.0713386.34  714.7913508.49  715.4313693.95     720
 14064.5     72014121.64  713.6714210.76  704.0914491.27  705.0414684.28   723.3
14757.75     73015187.53     73015726.51  705.6915911.78   668.615928.88  664.59
 16077.5  649.6616274.97  627.1216296.54  625.3916547.85  619.3616986.46  613.04
   17100   611.919462.28   611.919681.68     62020055.36     62020459.09  595.69
20629.25  595.6920722.53  593.7920972.59   591.9   21510  590.0321517.37  588.67
21555.08     58021588.97  574.8121632.42  569.8221675.88  565.3721889.53  571.45
21928.79     58022008.11  608.65 22066.9  620.04 22263.4  661.0122323.52  665.03
22603.48   675.822678.13  679.6823509.28  731.7923787.95  734.7624209.01  731.15
24456.77  733.7924681.94  731.0225190.46  716.6525226.64  713.6325499.13  694.25
 25646.1  689.57 25692.3  691.3825740.69  691.3825985.32   699.526352.06  709.77
26498.57  714.6326751.46  726.8127243.25  743.1327450.34  748.3627825.63  745.38
28200.69  734.4128256.68  733.2128964.73  723.3129031.22  723.7930053.99  723.79
30415.04   731.931841.96  707.5932310.82  715.6933048.56  715.6933952.81  713.79
34117.98  713.79   34469  715.2534576.17  713.8634943.96  707.5935352.58  707.59
35888.22     70035893.88  699.5136040.33  647.83   36199  605.6936223.23  607.14
36334.27  614.8536802.11  627.4137218.94  691.5237307.58  704.3137735.92  706.66
37880.56  703.6637934.69  703.9638308.89   713.638784.34  719.72 39079.7   721.9
39548.14  722.6739918.34  739.4940139.04  739.8540228.44   737.340676.05  723.79
41267.97     74041608.62  730.2741925.89  723.1142050.94  719.5442119.24  717.08
42220.95  716.3342562.33  724.7242727.43     73042811.85     73043809.05  707.77
43902.12  704.8244115.71  702.8444340.47  708.8544420.29   708.144620.92   708.1
44647.62  708.3644815.96  706.1845085.64  700.0745719.59  682.0345853.84  681.25
46070.15  690.3346184.93  695.8146702.06  726.58   46994  731.9147940.83  739.72
48105.41  742.09 48577.5  749.5948706.38  755.4249540.64     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521555.08    .1521928.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21555.0821928.79             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.52    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.38    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1547402.00   70640.22   1227868.00
  E.G. Slope (ft/ft)      0.000289    Area (sq ft)            1547402.00   70640.22   1227868.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4969233.00   390723.30   2643177.00
  Top Width (ft)          45803.10    Top Width (ft)          18577.73     373.71   26851.66
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.21       5.53       2.15
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.29     189.02      45.73
  Conv. Total (cfs)       470485300.0    Conv. (cfs)            292129400.0   22969700.0   155386100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18599.48     375.62   26891.58
  Min Ch El (ft)            565.37    Shear (lb/sq ft)            1.50       3.40       0.82
  Alpha                       1.19    Stream Power (lb/ft s)      4.83      18.79       1.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    61591.99    2995.06   46652.19
  C & E Loss (ft)             0.00    Cum SA (acres)            741.11      15.89    1103.98


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268020.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.27  760.94 1408.13     760 1915.52     760 2311.24  768.08
 2393.52  768.08 2531.45     770 2739.84     770 2829.19   768.7 3134.79  749.45
 3663.72  721.12  3921.2  711.72 4526.31  700.53 4629.26  703.55 4760.74  707.71
 5549.18   697.4 5746.55  704.93 5990.74  690.27 6029.06  688.08 6702.25  688.08
 6948.75  685.24 7202.39  664.93  7302.4  658.08 7397.58  658.08 7521.92  668.18
 7795.31  696.68 7856.34  698.08 8038.93  694.24 8094.86  694.24 8134.19  692.38
 8266.17  688.39 8346.32  689.74 8475.56  697.45 8712.73  709.52  9101.7  726.16
  9337.9  726.16 9360.18   725.9 9502.63  719.72 9614.65  716.1610476.11  710.35
10811.84  703.0711120.14  678.2411148.91  674.4311304.71   664.2 11550.2  652.48
11615.32  653.6512054.92   688.912393.75     71012901.68  718.0812910.31  718.44
13093.03   723.613321.14  715.9713386.64  714.6913508.79  715.3713694.26     720
14064.81     72014121.96  713.6914211.08  704.14 14491.6   705.114684.61  723.32
14758.08     73015187.87     73015726.86  705.7615912.13  668.7815929.23  664.77
16077.86   649.816275.33  627.1816296.91  625.4616548.22  619.3916986.84  613.06
17100.38  611.9219462.72  611.9219682.12     62020055.81     62020459.55  595.76
20629.71  595.7620722.99  593.8420973.06  591.9221510.48  590.0321517.85  588.68
21555.56     58021589.58  574.79 21633.2  569.8121676.81  565.3721890.21  571.47
21929.43     58022008.76  608.7722067.56  620.12 22264.1  661.0222324.24  665.04
22604.25  675.7222678.92   679.623510.25  731.6923788.98   734.724210.12  731.17
24457.93  733.8424683.15  731.0325191.78  716.6125227.97  713.5925500.51  694.27
25647.51  689.6925693.72  691.5225742.11  691.52 25986.8  699.6126353.61  709.83
26500.15  714.67 26753.1  726.8827244.98  743.1527452.13  748.34 27827.5  745.33
28202.62  734.3428258.63  733.1528966.83  723.3529033.33  723.8430056.31  723.84
30417.44  731.9231844.65  707.6832313.61  715.76 33051.5  715.7633955.94  713.84
34121.14  713.8434472.23  715.3134579.43  713.9434947.29  707.68   35356  707.68
35891.75     70035897.41   699.536043.89  647.7836202.59  605.7636226.83  607.21
36337.89  614.9136805.82   627.537222.74  691.49 37311.4  704.2437739.83  706.58
 37884.5  703.5337938.64  703.8338312.92  713.5638788.46  719.7139083.89  721.92
39552.43   722.739922.71  739.4840143.45  739.8540232.87  737.3140680.57  723.84
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41272.61     74041613.33   730.341930.68  723.1942055.75  719.6342124.06  717.17
42225.78   716.442567.23  724.7342732.38     73042816.81     73043814.22  707.83
43907.31  704.8844120.94  702.8744345.75  708.8344425.58  708.0844626.26  708.08
44652.96  708.3444821.33  706.1945091.07   700.145725.16  682.0545859.43  681.27
46075.78   690.346190.59  695.7746707.83  726.5446999.82   731.947946.85  739.72
48111.47  742.0948583.65  749.5948712.56  755.41   49547     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521555.56     .1521929.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21555.5621929.43             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.52    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.38    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1547456.00   70667.55   1227599.00
  E.G. Slope (ft/ft)      0.000289    Area (sq ft)            1547456.00   70667.55   1227599.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4970043.00   390916.80   2642174.00
  Top Width (ft)          45809.59    Top Width (ft)          18578.36     373.87   26857.36
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.21       5.53       2.15
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.29     189.02      45.71
  Conv. Total (cfs)       470426200.0    Conv. (cfs)            292140400.0   22978190.0   155307600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18600.06     375.78   26897.23
  Min Ch El (ft)            565.37    Shear (lb/sq ft)            1.50       3.40       0.82
  Alpha                       1.19    Stream Power (lb/ft s)      4.83      18.80       1.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    61414.72    2986.97   46511.55
  C & E Loss (ft)             0.00    Cum SA (acres)            738.99      15.85    1100.90


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268015.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1236.3  760.95 1408.16     760 1915.56     760 2311.29  768.06
 2393.57  768.06 2531.51    770 2739.91     770 2829.26  768.68 3134.86  749.42
 3663.81  721.14 3921.28  711.74 4526.41  700.54 4629.36  703.54 4760.84  707.68
 5549.31  697.37 5746.67  704.87 5990.88  690.24  6029.2  688.06  6702.4  688.06
 6948.91  685.18 7202.55  664.89 7302.56  658.06 7397.74  658.06 7522.09  668.13
 7795.48  696.64 7856.51  698.06 8039.11  694.17 8095.04  694.17 8134.37  692.32
 8266.36  688.37  8346.5  689.74 8475.75  697.46 8712.92  709.52 9101.91  726.11
 9338.11  726.11 9360.39  725.85 9502.84  719.66 9614.86  716.1110476.34  710.32
10812.08  702.9911120.39  678.1511149.16  674.3311304.96  664.1311550.46  652.51
11615.58  653.6912055.19  688.9612394.02     71012901.97  718.06 12910.6  718.42
13093.32  723.5213321.44  715.8613386.94  714.5913509.09  715.3113694.57     720
14065.13     72014122.27  713.71 14211.4   704.214491.92  705.1614684.94  723.34
14758.42     73015188.21     73015727.21  705.8315912.49  668.9515929.59  664.95
16078.21  649.95 16275.7  627.2516297.27  625.5216548.59  619.4216987.22  613.08
17100.77  611.9419463.15  611.9419682.56     62020056.26     62020460.01  595.83
20630.17  595.8320723.45  593.8920973.53  591.9421510.96  590.0321518.33  588.68
21556.04     58021590.19  574.7821633.97   569.821677.75  565.36 21890.9  571.49
21930.07     58022009.42  608.8822068.23  620.2122264.81  661.0322324.96  665.05
22605.03  675.6522679.72  679.5123511.21  731.59   23790  734.6324211.23  731.18
 24459.1  733.8924684.36  731.0525193.09  716.5725229.29  713.5525501.89  694.28
25648.92   689.825695.14  691.6625743.54  691.6625988.28  699.7326355.17  709.89
26501.74  714.7226754.73  726.9527246.72  743.1727453.91  748.3227829.36  745.27
28204.56  734.2728260.58  733.0828968.92  723.3929035.44  723.8930058.63  723.89
30419.83  731.9431847.34  707.78 32316.4  715.8333054.44  715.8333959.07  713.89
 34124.3  713.8934475.47  715.3834582.69  714.0134950.62  707.7835359.41  707.78
35895.28     70035900.94  699.4936047.45  647.7336206.18  605.8336230.43  607.27
36341.51  614.9736809.54  627.5937226.55  691.4537315.23  704.1737743.74  706.51
37888.44  703.4137942.59   703.738316.95  713.5238792.59  719.7139088.07  721.94
39556.71  722.7439927.07  739.4840147.86  739.85 40237.3  737.3240685.09  723.89
41277.25     74041618.04  730.3341935.45  723.2642060.55  719.7142128.88  717.26
42230.62  716.4842572.14  724.7542737.32     73042821.77     73043819.39  707.89
 43912.5  704.9444126.17  702.9144351.03  708.8244430.88  708.0644631.59  708.06
 44658.3  708.3244826.71   706.245096.51  700.1245730.72  682.0845865.02  681.28
46081.42  690.2746196.25  695.7246713.59  726.4947005.65   731.947952.87  739.71
48117.53  742.0848589.81  749.5848718.74  755.3949553.35     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521556.04     .1521930.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21556.0421930.07             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.52    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.38    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1547500.00   70696.21   1227322.00
  E.G. Slope (ft/ft)      0.000290    Area (sq ft)            1547500.00   70696.21   1227322.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4970837.00   391126.00   2641171.00
  Top Width (ft)          45816.40    Top Width (ft)          18579.14     374.03   26863.23
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.21       5.53       2.15
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.29     189.01      45.69
  Conv. Total (cfs)       470360700.0    Conv. (cfs)            292146300.0   22987280.0   155227100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18600.79     375.94   26903.04
  Min Ch El (ft)            565.36    Shear (lb/sq ft)            1.50       3.40       0.82
  Alpha                       1.19    Stream Power (lb/ft s)      4.83      18.80       1.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    61237.45    2978.87   46370.94
  C & E Loss (ft)             0.00    Cum SA (acres)            736.86      15.80    1097.82


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268010.*

INPUT
Description:
Station Elevation Data    num=     174
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.32  760.96 1408.19     760  1915.6     760 2311.35  768.03
 2393.63  768.03 2531.57     770 2739.97     770 2829.32  768.66 3134.94  749.39
 3663.89  721.15 3921.37  711.76 4526.51  700.54 4629.46  703.53 4760.95  707.65
 5549.43  697.34  5746.8   704.8 5991.01  690.21 6029.33  688.03 6702.55  688.03
 6949.06  685.12 7202.71  664.85 7302.73  658.03 7397.91  658.03 7522.26  668.08
 7795.66   696.6 7856.69  698.03 8039.29   694.1 8095.22   694.1 8134.56  692.25
 8266.54  688.35 8346.69  689.73 8475.94  697.46 8713.12  709.52 9102.11  726.07
 9338.32  726.07  9360.6   725.8 9503.05   719.6 9615.08  716.0710476.58  710.29
10812.33  702.9111120.63  678.0711149.41  674.2311305.22  664.0611550.71  652.54
11615.84  653.7312055.46  689.02 12394.3     71012902.25  718.0312910.89   718.4
13093.62  723.4413321.74  715.7613387.24  714.49 13509.4  715.2613694.87     720
14065.44     72014122.59  713.7214211.72  704.2514492.24  705.2314685.27  723.36
14758.75     73015188.55     73015727.57   705.915912.85  669.1315929.95  665.13
16078.58   650.116276.06  627.3216297.64  625.5916548.96  619.45 16987.6   613.1
17101.15  611.9719463.59  611.97   19683     62020056.71     62020460.46   595.9
20630.63   595.920723.92  593.93   20974  591.9721511.44  590.0321518.81  588.69
21556.53     580 21590.8  574.7621634.74  569.7921678.69  565.3621891.58   571.5
21930.71     58022010.07     609 22068.9  620.2922265.52  661.0522325.68  665.07
22605.81  675.5722680.51  679.4223512.18  731.4923791.03  734.5724212.34  731.19
24460.26  733.9324685.56  731.06 25194.4  716.5325230.61  713.5125503.27   694.3
25650.33  689.9225696.55   691.825744.97   691.825989.76  699.8526356.72  709.94
26503.32  714.7626756.37  727.0127248.46  743.1927455.69   748.327831.21  745.21
 28206.5   734.228262.53  733.0128971.02  723.4329037.54  723.9330060.95  723.93
30422.23  731.9731850.03  707.8732319.18   715.933057.38   715.933962.19  713.93
34127.47  713.93 34478.7  715.4434585.95  714.0934953.96  707.8735362.83  707.87
35898.81     70035904.47  699.4936051.01  647.6736209.78   605.936234.03  607.34
36345.13  615.0336813.26  627.6937230.35  691.4237319.05   704.137747.65  706.43
37892.38  703.2837946.54  703.5838320.98  713.4838796.72  719.7139092.27  721.97
   39561  722.7739931.43  739.4740152.27  739.8540241.72  737.3340689.61  723.93
41281.89     74041622.75  730.3641940.23  723.3442065.35   719.842133.69  717.34
42235.46  716.5642577.05  724.7642742.27     73042826.73     73043824.55  707.96
43917.69     705 44131.4  702.94 44356.3   708.844436.17  708.0344636.93  708.03
44663.64   708.344832.08  706.2245101.94  700.1545736.28   682.145870.61   681.3
46087.05  690.2446201.91  695.6846719.36  726.4547011.48  731.8947958.89  739.71
48123.58  742.0848595.96  749.5848724.93  755.37 49559.7     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521556.53     .1521930.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21556.5321930.71             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.52    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.37    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1547529.00   70723.07   1227071.00
  E.G. Slope (ft/ft)      0.000290    Area (sq ft)            1547529.00   70723.07   1227071.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4971553.00   391325.90   2640254.00
  Top Width (ft)          45823.22    Top Width (ft)          18579.93     374.18   26869.11
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.21       5.53       2.15
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.29     189.01      45.67
  Conv. Total (cfs)       470295300.0    Conv. (cfs)            292147800.0   22995840.0   155151600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18601.54     376.08   26908.88
  Min Ch El (ft)            565.36    Shear (lb/sq ft)            1.50       3.40       0.82
  Alpha                       1.19    Stream Power (lb/ft s)      4.83      18.81       1.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    61060.18    2970.77   46230.36
  C & E Loss (ft)             0.00    Cum SA (acres)            734.73      15.76    1094.75


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268005.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.35  760.97 1408.22     760 1915.64     760  2311.4  768.01
 2393.68  768.01 2531.62     770 2740.03     770 2829.38  768.65 3135.01  749.36
 3663.97  721.16 3921.46  711.78 4526.61  700.55 4629.57  703.52 4761.06  707.62
 5549.56  697.31 5746.93  704.74 5991.15  690.18 6029.47  688.01  6702.7  688.01
 6949.22  685.07 7202.87   664.8 7302.89  658.01 7398.07  658.01 7522.42  668.03
 7795.83  696.56 7856.87  698.01 8039.47  694.03  8095.4  694.03 8134.74  692.19
 8266.73  688.33 8346.88  689.73 8476.13  697.47 8713.31  709.52 9102.32  726.02
 9338.53  726.02 9360.81  725.75 9503.26  719.54 9615.29  716.0210476.81  710.26
10812.57  702.8211120.88  677.9911149.66  674.1311305.47  663.9911550.97  652.57
 11616.1  653.7812055.73  689.0812394.58     71012902.54  718.0112911.18  718.37
13093.91  723.3613322.04  715.6513387.54  714.39 13509.7   715.213695.18     720
14065.76     72014122.91  713.7414212.04   704.314492.57  705.29 14685.6  723.38
14759.08     73015188.89     73015727.92  705.97 15913.2  669.31 15930.3  665.31
16078.93  650.2416276.42  627.38   16298  625.6616549.33  619.4916987.98  613.12
17101.53  611.9919464.03  611.9919683.44     62020057.15     62020460.92  595.97
20631.09  595.9720724.38  593.9820974.46  591.9921511.92  590.03 21519.3  588.69
21557.01     58021591.41  574.7521635.52  569.7821679.62  565.3621892.27  571.52
21931.34     58022010.73  609.1222069.57  620.3822266.23  661.0622326.41  665.08
22606.59   675.522681.31  679.3423513.15  731.3923792.05  734.5124213.46  731.21
24461.42  733.9824686.77  731.0725195.72  716.4925231.93  713.4725504.65  694.32
25651.73  690.0425697.97  691.94 25746.4  691.9425991.23  699.9726358.28     710
26504.91  714.8126758.01  727.08 27250.2  743.2127457.47  748.2827833.07  745.16
28208.44  734.1328264.47  732.9528973.11  723.4729039.65  723.9830063.27  723.98
30424.62  731.9931852.72  707.9632321.97  715.9733060.32  715.9733965.32  713.98
34130.63  713.9834481.94  715.51 34589.2  714.1634957.29  707.9635366.25  707.96
35902.34     700   35908  699.4836054.57  647.6236213.37  605.9736237.62  607.41
36348.75  615.0936816.98  627.7837234.15  691.3937322.87  704.0337751.56  706.35
37896.32  703.1537950.49  703.4538325.01  713.4438800.85   719.739096.45  721.99
39565.28   722.839935.79  739.4640156.68  739.8540246.15  737.3340694.12  723.98
41286.54     74041627.46  730.3841945.01  723.4242070.16  719.8942138.51  717.43
 42240.3  716.6442581.96  724.7842747.21     730 42831.7     73043829.72  708.02
43922.87  705.0644136.63  702.9844361.58  708.7944441.46  708.0144642.26  708.01
44668.98  708.2844837.46  706.2345107.37  700.1845741.84  682.13 45876.2  681.31
46092.69  690.2146207.57  695.6346725.12  726.41 47017.3  731.8947964.92  739.71
48129.64  742.0748602.12  749.5748731.11  755.3649566.06     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521557.01     .1521931.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      21557.0121931.34             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.52    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.37    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1547576.00   70747.95   1226796.00
  E.G. Slope (ft/ft)      0.000290    Area (sq ft)            1547576.00   70747.95   1226796.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4972365.00   391509.30   2639259.00
  Top Width (ft)          45829.77    Top Width (ft)          18580.63     374.33   26874.81
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.21       5.53       2.15
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.29     189.00      45.65
  Conv. Total (cfs)       470231200.0    Conv. (cfs)            292155700.0   23003480.0   155072000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18602.20     376.23   26914.53
  Min Ch El (ft)            565.36    Shear (lb/sq ft)            1.50       3.40       0.82
  Alpha                       1.19    Stream Power (lb/ft s)      4.83      18.82       1.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    60882.90    2962.67   46089.80
  C & E Loss (ft)             0.00    Cum SA (acres)            732.60      15.72    1091.67


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 268000.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.38  760.98 1408.25     760 1915.69     760 2311.45  767.99
 2393.73  767.99 2531.68     770 2740.09     770 2829.45  768.63 3135.08  749.34
 3664.05  721.18 3921.55   711.8 4526.71  700.55 4629.67  703.51 4761.16   707.6
 5549.68  697.28 5747.06  704.68 5991.28  690.15  6029.6  687.99 6702.85  687.99
 6949.37  685.01 7203.03  664.76 7303.06  657.99 7398.24  657.99 7522.59  667.97
    7796  696.52 7857.04  697.99 8039.65  693.96 8095.58  693.96 8134.92  692.12
 8266.91  688.31 8347.06  689.73 8476.32  697.48  8713.5  709.52 9102.52  725.97
 9338.73  725.97 9361.02   725.7 9503.48  719.49 9615.51  715.9710477.05  710.23
10812.81  702.7411121.13  677.9111149.91  674.0311305.72  663.9211551.23   652.6
11616.36  653.82   12056  689.1412394.86     71012902.83  717.9912911.47  718.35
 13094.2  723.2813322.33  715.5513387.83  714.29   13510  715.1413695.49     720
14066.07     72014123.22  713.7614212.35  704.3514492.89  705.3514685.93  723.39
14759.41     73015189.23     73015728.27  706.0415913.56  669.4915930.66  665.49
16079.29  650.3916276.79  627.4516298.37  625.7216549.71  619.5216988.36  613.14
17101.91  612.0119464.46  612.0119683.88     620 20057.6     62020461.38  596.04
20631.55  596.0420724.84  594.0320974.94  592.01 21512.4  590.0321519.78  588.69
21557.49     58021592.02  574.7421636.29  569.7721680.56  565.3621892.96  571.54
21931.98     58022011.38  609.2422070.24  620.4722266.94  661.0722327.13   665.1
22607.37  675.42 22682.1  679.2523514.11  731.2923793.07  734.4424214.57  731.22
24462.58  734.0324687.98  731.0825197.03  716.4525233.25  713.4425506.02  694.33
25653.14  690.1625699.39  692.0825747.83  692.0825992.71  700.0826359.83  710.06
26506.49  714.8526759.65  727.1527251.94  743.2327459.25  748.2627834.93   745.1
28210.38  734.0628266.42  732.8828975.21  723.5129041.76  724.0330065.59  724.03
30427.02  732.0131855.42  708.0632324.76  716.0433063.26  716.0433968.45  714.03
34133.79  714.0334485.17  715.5734592.46  714.2434960.62  708.0635369.66  708.06
35905.86     70035911.53  699.4836058.13  647.5736216.96  606.0436241.22  607.47
36352.37  615.15 36820.7  627.8737237.96  691.3537326.69  703.9637755.47  706.27
37900.27  703.0337954.45  703.3238329.04   713.438804.97   719.739100.64  722.01
39569.57  722.8439940.16  739.4640161.09  739.8440250.57  737.3440698.64  724.03
41291.18     74041632.18  730.4141949.79   723.542074.96  719.9842143.33  717.52
42245.14  716.7242586.88  724.7942752.15     73042836.66     73043834.89  708.09
43928.06  705.1244141.86  703.0144366.86  708.7744446.76  707.99 44647.6  707.99
44674.33  708.2644842.84  706.24 45112.8  700.2145747.41  682.15 45881.8  681.33
46098.32  690.1846213.23  695.5946730.89  726.3747023.13  731.8847970.94   739.7
 48135.7  742.0648608.27  749.5748737.29  755.3449572.41     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521557.49     .1521931.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21557.4921931.98             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.52    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.37    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1547616.00   70775.06   1226521.00
  E.G. Slope (ft/ft)      0.000290    Area (sq ft)            1547616.00   70775.06   1226521.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4973163.00   391707.00   2638264.00
  Top Width (ft)          45836.51    Top Width (ft)          18581.34     374.49   26880.68
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.21       5.53       2.15
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.29     188.99      45.63
  Conv. Total (cfs)       470164900.0    Conv. (cfs)            292161400.0   23011850.0   154991700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18602.87     376.38   26920.34
  Min Ch El (ft)            565.36    Shear (lb/sq ft)            1.50       3.40       0.82
  Alpha                       1.19    Stream Power (lb/ft s)      4.84      18.83       1.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    60705.61    2954.56   45949.29
  C & E Loss (ft)             0.00    Cum SA (acres)            730.47      15.67    1088.59


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267995.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.41  760.99 1408.28     760 1915.73     760  2311.5  767.96
 2393.79  767.96 2531.74     770 2740.15     770 2829.51  768.62 3135.15  749.31
 3664.13  721.19 3921.64  711.82 4526.81  700.56 4629.77   703.5 4761.27  707.57
 5549.81  697.25 5747.19  704.62 5991.41  690.12 6029.74  687.96    6703  687.96
 6949.53  684.95 7203.19  664.72 7303.22  657.96  7398.4  657.96 7522.76  667.92
 7796.18  696.48 7857.22  697.96 8039.83  693.89 8095.76  693.89  8135.1  692.06
  8267.1  688.29 8347.25  689.72  8476.5  697.49  8713.7  709.52 9102.72  725.93
 9338.94  725.93 9361.23  725.65 9503.69  719.43 9615.72  715.9310477.28   710.2
10813.05  702.6511121.38  677.8311150.16  673.9311305.98  663.8511551.49  652.63
11616.62  653.8712056.27   689.212395.13     71012903.12  717.9612911.76  718.32
13094.49  723.2113322.63  715.4413388.13  714.19 13510.3  715.0913695.79     720
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14066.39     72014123.54  713.7814212.67   704.414493.22  705.4114686.26  723.41
14759.74     73015189.57     73015728.62  706.1115913.92  669.6615931.02  665.67
16079.65  650.5316277.15  627.5116298.73  625.7916550.08  619.5516988.74  613.16
 17102.3  612.04 19464.9  612.0419684.32     62020058.05     62020461.84  596.11
20632.02  596.1120725.31  594.07 20975.4  592.0421512.88  590.0321520.26   588.7
21557.97     58021592.63  574.7221637.06  569.76 21681.5  565.3621893.64  571.56
21932.62     58022012.04  609.36 22070.9  620.5522267.65  661.0822327.85  665.11
22608.15  675.35 22682.9  679.1723515.08  731.18 23794.1  734.3824215.68  731.24
24463.75  734.0724689.19   731.125198.35   716.425234.58   713.4 25507.4  694.35
25654.55  690.2825700.81  692.2225749.26  692.2225994.19   700.226361.39  710.12
26508.08   714.926761.28  727.2227253.68  743.2527461.04  748.2427836.79  745.04
28212.31  733.9928268.37  732.81 28977.3  723.5529043.87  724.0730067.91  724.07
30429.42  732.0431858.11  708.1532327.55  716.11 33066.2  716.1133971.57  714.07
34136.95  714.0734488.41  715.6434595.71  714.3234963.96  708.1535373.08  708.15
35909.39     70035915.06  699.4736061.69  647.5236220.55  606.1136244.82  607.54
36355.99  615.2136824.41  627.9637241.76  691.3237330.51  703.8937759.38   706.2
 37904.2   702.9 37958.4  703.1938333.07  713.36 38809.1   719.739104.83  722.04
39573.86  722.8739944.52  739.4540165.49  739.84   40255  737.3540703.16  724.07
41295.82     74041636.89  730.4441954.56  723.5842079.77  720.0742148.14  717.61
42249.98   716.842591.78  724.8142757.09     73042841.62     73043840.06  708.15
43933.25  705.1844147.09  703.0544372.14  708.7644452.05  707.9644652.93  707.96
44679.67  708.2444848.21  706.2545118.23  700.2445752.97  682.1845887.39  681.34
46103.96  690.1546218.89  695.5446736.66  726.3247028.96  731.8847976.96   739.7
48141.75  742.0648614.43  749.5648743.47  755.3349578.77     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521557.97     .1521932.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21557.9721932.62             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.52    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.37    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1547642.00   70802.12   1226260.00
  E.G. Slope (ft/ft)      0.000290    Area (sq ft)            1547642.00   70802.12   1226260.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4973892.00   391906.10   2637336.00
  Top Width (ft)          45843.07    Top Width (ft)          18582.04     374.65   26886.38
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.21       5.54       2.15
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.29     188.98      45.61
  Conv. Total (cfs)       470098000.0    Conv. (cfs)             292162700.0   23020270.0   154915100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18603.53     376.54   26926.00
  Min Ch El (ft)            565.36    Shear (lb/sq ft)            1.51       3.40       0.82
  Alpha                       1.19    Stream Power (lb/ft s)      4.84      18.83       1.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    60528.32    2946.45   45808.80
  C & E Loss (ft)             0.00    Cum SA (acres)            728.34      15.63    1085.51


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267990.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.43  761.01 1408.32     760 1915.77     760 2311.55  767.94
 2393.84  767.94 2531.79     770 2740.21     770 2829.57   768.6 3135.22  749.28
 3664.22   721.2 3921.72  711.84 4526.91  700.57 4629.88  703.49 4761.38  707.54
 5549.93  697.21 5747.32  704.56 5991.55  690.09 6029.87  687.94 6703.15  687.94
 6949.69  684.89 7203.35  664.67 7303.38  657.94 7398.57  657.94 7522.93  667.87
 7796.35  696.43 7857.39  697.94 8040.01  693.82 8095.94  693.82 8135.28  691.99
 8267.28  688.27 8347.44  689.72 8476.69  697.49  8713.9  709.53 9102.93  725.88
 9339.15  725.88 9361.44   725.6  9503.9  719.37 9615.94  715.8810477.52  710.17
10813.29  702.5711121.63  677.7511150.41  673.8311306.23  663.7811551.75  652.66
11616.88  653.9112056.54  689.2712395.41     71012903.41  717.9412912.05   718.3
13094.79  723.1313322.93  715.3413388.43  714.0913510.61  715.03 13696.1     720
 14066.7     72014123.85   713.814212.99  704.4514493.54  705.4814686.58  723.43
14760.07     73015189.91     73015728.97  706.1815914.27  669.8415931.37  665.85
16080.01  650.6816277.52  627.58 16299.1  625.8616550.45  619.5816989.12  613.18
17102.68  612.0619465.33  612.0619684.76     620 20058.5     62020462.29  596.18
20632.48  596.1820725.77  594.1220975.87  592.0621513.37  590.0321520.74   588.7
21558.46     58021593.24  574.7121637.84  569.7421682.44  565.3621894.33  571.57
21933.26     580 22012.7  609.4822071.57  620.6422268.36   661.122328.57  665.13
22608.93  675.2822683.69  679.0823516.04  731.0823795.12  734.3124216.79  731.25
24464.91  734.12 24690.4  731.1125199.66  716.36 25235.9  713.3625508.78  694.36
25655.96  690.3925702.23  692.3725750.68  692.3725995.67  700.3226362.94  710.18
26509.66  714.9426762.92  727.2827255.42  743.2727462.82  748.2227838.65  744.99
28214.25  733.9128270.32  732.74 28979.4  723.5929045.98  724.1230070.23  724.12
30431.81  732.06 31860.8  708.2432330.34  716.1833069.14  716.18 33974.7  714.12
34140.11  714.1234491.64   715.734598.97  714.3934967.29  708.24 35376.5  708.24
35912.92     70035918.59  699.4636065.25  647.4736224.14  606.1836248.42  607.61
36359.61  615.2736828.13  628.0537245.56  691.2937334.34  703.8237763.29  706.12
37908.14  702.7837962.35  703.07 38337.1  713.3238813.23  719.6939109.02  722.06
39578.14   722.939948.88  739.44 40169.9  739.8440259.43  737.3640707.68  724.12
41300.46     740 41641.6  730.4741959.34  723.6542084.57  720.1542152.96  717.69
42254.82  716.8742596.69  724.8242762.04     73042846.58     73043845.23  708.22
43938.43  705.2444152.32  703.0844377.41  708.7544457.34  707.9444658.27  707.94
44685.01  708.2244853.59  706.2645123.66  700.2745758.53   682.245892.98  681.36
46109.59  690.1246224.54  695.4946742.42  726.2847034.79  731.8747982.98  739.69
48147.81  742.0548620.58  749.5648749.65  755.3149585.12     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521558.46     .1521933.26     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21558.4621933.26             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.51    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.37    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1547692.00   70829.11   1226014.00
  E.G. Slope (ft/ft)      0.000290    Area (sq ft)            1547692.00   70829.11   1226014.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4974635.00   392101.30   2636397.00
  Top Width (ft)          45849.88    Top Width (ft)          18582.83     374.80   26892.25
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.21       5.54       2.15
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  Max Chl Dpth (ft)          194.01    Hydr. Depth (ft)           83.29     188.98      45.59
  Conv. Total (cfs)        470040000.0    Conv. (cfs)            292170200.0    23028890.0    154840900.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18604.28     376.68    26931.82
  Min Ch El (ft)             565.36    Shear (lb/sq ft)            1.51       3.40       0.82
  Alpha                        1.19    Stream Power (lb/ft s)      4.84      18.84       1.77
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    60351.03    2938.34   45668.34
  C & E Loss (ft)              0.00    Cum SA (acres)            726.22      15.59    1082.43


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267985.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.46  761.02 1408.35     760 1915.82     760  2311.6  767.92
 2393.89  767.92 2531.85    770 2740.27     770 2829.64  768.59 3135.29  749.25
  3664.3  721.22 3921.81  711.87 4527.02  700.57 4629.98  703.48 4761.48  707.51
 5550.05  697.18 5747.45  704.49 5991.68  690.06 6030.01  687.92  6703.3  687.92
 6949.84  684.83 7203.52  664.63 7303.55  657.92 7398.74  657.92  7523.1  667.81
 7796.53  696.39 7857.57  697.92 8040.19  693.75 8096.12  693.75 8135.47  691.93
 8267.47  688.25 8347.62  689.72 8476.88   697.5 8714.09  709.53 9103.13  725.83
 9339.36  725.83 9361.64  725.55 9504.12  719.32 9616.15  715.8310477.75  710.14
10813.54  702.4811121.88  677.6611150.66  673.7311306.48  663.7111552.01  652.69
11617.14  653.9612056.81  689.3312395.69    710 12903.7  717.9212912.34  718.27
13095.08  723.0513323.23  715.2413388.73  713.9913510.91  714.9713696.41     720
14067.02     72014124.17  713.8114213.31  704.514493.87  705.5414686.91  723.45
 14760.4     73015190.25    73015729.33  706.2515914.63  670.0215931.73  666.03
16080.37  650.8216277.88  627.6516299.46  625.9216550.82  619.61 16989.5   613.2
17103.06  612.0819465.77  612.0819685.21     62020058.95     62020462.75  596.25
20632.94  596.2520726.23  594.1720976.34  592.0821513.85  590.0321521.22  588.71
21558.94     58021593.85   574.721638.61  569.7321683.37  565.3521895.01  571.59
 21933.9     58022013.35   609.622072.24  620.7322269.06  661.1122329.29  665.14
22609.71   675.222684.48    67923517.01  730.9823796.14  734.25 24217.9  731.27
24466.07  734.1724691.61  731.1225200.98  716.3225237.22  713.3225510.16  694.38
25657.37  690.5125703.65  692.5125752.11  692.5125997.15  700.43 26364.5  710.24
26511.25  714.9826764.56  727.3527257.16  743.29 27464.6   748.227840.51  744.93
28216.19  733.8428272.27  732.6828981.49  723.6329048.09  724.1730072.56  724.17
30434.21  732.0831863.49  708.3432333.12  716.2533072.08  716.2533977.83  714.17
34143.28  714.1734494.88  715.7734602.23  714.4734970.62  708.3435379.92  708.34
35916.45     70035922.12  699.4636068.81  647.4236227.74  606.2536252.02  607.67
36363.23  615.3336831.85  628.1437249.37  691.2537338.16  703.75 37767.2  706.04
37912.09  702.65 37966.3  702.9438341.12  713.2838817.36  719.6939113.21  722.08
39582.43  722.9339953.24  739.4440174.31  739.8440263.86  737.36 40712.2  724.17
 41305.1     74041646.31   730.541964.12  723.7342089.37  720.2442157.78  717.78
42259.66  716.95 42601.6  724.8442766.98     73042851.54     73043850.39  708.28
43943.62   705.344157.55  703.1244382.69  708.7344462.64  707.9244663.61  707.92
44690.35   708.244858.96  706.27 45129.1   700.345764.09  682.2345898.57  681.37
46115.23  690.09 46230.2  695.4546748.19  726.2447040.61  731.8747989.01  739.69
48153.87  742.0548626.73  749.5548755.83   755.349591.47     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521558.94     .15 21933.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21558.94 21933.9             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.51    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.37    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                       Flow Area (sq ft)       1547739.00   70857.77   1225712.00
  E.G. Slope (ft/ft)      0.000290     Area (sq ft)            1547739.00   70857.77   1225712.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4975494.00   392312.70   2635327.00
  Top Width (ft)          45856.43     Top Width (ft)          18583.53     374.96   26897.94
  Vel Total (ft/s)            2.81     Avg. Vel. (ft/s)            3.21       5.54       2.15
  Max Chl Dpth (ft)          194.02    Hydr. Depth (ft)           83.29     188.97      45.57
  Conv. Total (cfs)       469972200.0    Conv. (cfs)            292178500.0    23037990.0    154755700.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18604.93     376.84   26937.47
  Min Ch El (ft)             565.35    Shear (lb/sq ft)            1.51       3.40       0.82
  Alpha                        1.19    Stream Power (lb/ft s)      4.84      18.85       1.77
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    60173.73    2930.22   45527.91
  C & E Loss (ft)              0.00    Cum SA (acres)            724.09      15.55    1079.35


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267980.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.49  761.03 1408.38     760 1915.86     760 2311.66  767.89
 2393.95  767.89 2531.91    770 2740.33     770  2829.7  768.57 3135.36  749.23
 3664.38  721.23  3921.9  711.89 4527.12  700.58 4630.08  703.47 4761.59  707.49
 5550.18  697.15 5747.58  704.43 5991.82  690.03 6030.14  687.89 6703.45  687.89
    6950  684.78 7203.68  664.59 7303.71  657.89  7398.9  657.89 7523.27  667.76
  7796.7  696.35 7857.74  697.89 8040.37  693.68 8096.31  693.68 8135.65  691.86
 8267.65  688.23 8347.81  689.71 8477.07  697.51 8714.29  709.53 9103.33  725.78
 9339.57  725.78 9361.85   725.5 9504.33  719.26 9616.37  715.7810477.98  710.11
10813.78   702.411122.13  677.5811150.91  673.6311306.74  663.6411552.27  652.72
 11617.4     65412057.08  689.3912395.96    71012903.99  717.8912912.62  718.25
13095.37  722.9713323.53  715.1313389.03  713.8913511.21  714.9213696.71     720
14067.33     72014124.49  713.8314213.62  704.5514494.19   705.614687.24  723.47
14760.73     73015190.59    73015729.68  706.3215914.98   670.215932.09  666.21
16080.73  650.9716278.25  627.7116299.83  625.9916551.19  619.6416989.88  613.22
17103.45  612.11 19466.2  612.1119685.64     620 20059.4     62020463.21  596.32
 20633.4  596.32 20726.7  594.2220976.81  592.1121514.33  590.0321521.71  588.71
21559.42     58021594.46  574.6821639.38  569.7221684.31  565.35 21895.7  571.61
21934.54     58022014.01  609.7222072.91  620.8122269.77  661.1222330.01  665.15
22610.49  675.1322685.28  678.9123517.98  730.8823797.17  734.1824219.01  731.28
24467.23  734.2224692.82  731.1325202.29  716.2825238.54  713.2825511.54   694.4
25658.78  690.6325705.06  692.6525753.54  692.6525998.63  700.5526366.05  710.29
26512.83  715.03 26766.2  727.42 27258.9  743.3127466.38  748.1827842.37  744.87
28218.12  733.7728274.22  732.6128983.59  723.67 29050.2  724.2230074.88  724.22
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 30436.6  732.1131866.18  708.4332335.91  716.3233075.02  716.3233980.96  714.22
34146.44  714.2234498.11  715.8334605.48  714.5434973.96  708.4335383.34  708.43
35919.98     70035925.65  699.4536072.37  647.3636231.33  606.3236255.61  607.74
36366.85  615.3936835.57  628.2337253.17  691.2237341.98  703.6837771.11  705.97
37916.03  702.5237970.25  702.8138345.16  713.2438821.48  719.6839117.39  722.11
39586.71  722.9739957.61  739.4340178.71  739.8440268.28  737.3740716.72  724.22
41309.74     74041651.02  730.5341968.89  723.8142094.18  720.33 42162.6  717.87
42264.49  717.0342606.51  724.8542771.93     730 42856.5     73043855.56  708.34
 43948.8  705.3644162.79  703.1544387.97  708.7244467.93  707.8944668.94  707.89
44695.69  708.1844864.34  706.2845134.53  700.3345769.66  682.2545904.16  681.39
46120.87  690.0646235.86   695.446753.96   726.247046.44  731.8647995.03  739.69
48159.92  742.0448632.89  749.5548762.01  755.2849597.83     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521559.42     .1521934.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21559.4221934.54             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.51    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.36    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1547760.00   70884.92   1225448.00
  E.G. Slope (ft/ft)      0.000290    Area (sq ft)            1547760.00   70884.92   1225448.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4976225.00   392515.10   2634393.00
  Top Width (ft)          45863.17    Top Width (ft)          18584.23     375.12   26903.82
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.22       5.54       2.15
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.28     188.97      45.55
  Conv. Total (cfs)       469902300.0    Conv. (cfs)            292178000.0   23046440.0   154677800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18605.60     376.99   26943.29
  Min Ch El (ft)            565.35    Shear (lb/sq ft)            1.51       3.41       0.82
  Alpha                       1.19    Stream Power (lb/ft s)      4.84      18.85       1.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    59996.43    2922.10   45387.51
  C & E Loss (ft)             0.00    Cum SA (acres)            721.96      15.50    1076.27


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267975.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.52  761.04 1408.41     760  1915.9     760 2311.71  767.87
    2394  767.87 2531.96     770  2740.4     770 2829.76  768.55 3135.43   749.2
 3664.46  721.25 3921.99  711.91 4527.22  700.59 4630.19  703.46  4761.7  707.46
  5550.3  697.12  5747.7  704.37 5991.95     690 6030.28  687.87  6703.6  687.87
 6950.15  684.72 7203.84  664.54 7303.87  657.87 7399.07  657.87 7523.44  667.71
 7796.88  696.31 7857.92  697.87 8040.55  693.61 8096.49  693.61 8135.83   691.8
 8267.83  688.21    8348  689.71 8477.26  697.52 8714.48  709.53 9103.54  725.74
 9339.78  725.74 9362.06  725.45 9504.54   719.2 9616.58  715.7410478.22  710.08
10814.02  702.3111122.38   677.511151.16  673.5311306.99  663.5711552.52  652.75
11617.66  654.0512057.35  689.4512396.24     71012904.28  717.8712912.91  718.22
13095.67  722.8913323.83  715.0313389.33  713.7913511.51  714.8613697.02     720
14067.65     720 14124.8  713.8514213.94   704.614494.51  705.6614687.57  723.49
14761.06     73015190.93     73015730.03  706.3915915.34  670.3715932.44  666.39
16081.09  651.1116278.61  627.7816300.19  626.0616551.56  619.6716990.26  613.24
17103.83  612.1319466.64  612.1319686.09     62020059.85     62020463.67  596.39
20633.86  596.3920727.16  594.2620977.28  592.1321514.81  590.0321522.19  588.71
 21559.9     58021595.07  574.6721640.16  569.7121685.25  565.3521896.38  571.63
21935.18     58022014.66  609.8422073.58   620.922270.48  661.1322330.73  665.17
22611.27  675.0522686.07  678.8223518.95  730.7823798.19  734.1224220.12  731.29
 24468.4  734.2624694.03  731.1525203.61  716.2425239.86  713.2425512.91  694.41
25660.19  690.7525706.48  692.7925754.97  692.7926000.11  700.6726367.61  710.35
26514.42  715.0726767.83  727.4827260.64  743.3327468.16  748.1627844.23  744.81
28220.06   733.728276.17  732.5428985.69  723.7129052.31  724.26 30077.2  724.26
   30439  732.1331868.87  708.52 32338.7  716.3933077.96  716.3933984.09  714.26
 34149.6  714.2634501.34  715.8934608.74  714.6234977.29  708.5235386.75  708.52
 35923.5     70035929.18  699.4436075.93  647.3136234.92  606.3936259.21   607.8
36370.47  615.4536839.28  628.3337256.98  691.19 37345.8  703.6137775.02  705.89
37919.97   702.4 37974.2  702.6938349.18   713.238825.61  719.6839121.59  722.13
   39591     72339961.97  739.4240183.12  739.8340272.71  737.3840721.24  724.26
41314.39     74041655.74  730.5541973.68  723.8942098.98  720.4242167.42  717.96
42269.33  717.1142611.42  724.8742776.87     73042861.46     73043860.73  708.41
43953.99  705.4244168.02  703.1944393.25   708.744473.23  707.8744674.27  707.87
44701.03  708.1644869.71  706.2945139.96  700.3545775.22  682.2845909.75   681.4
 46126.5  690.0346241.52  695.3646759.72  726.1647052.26  731.8548001.05  739.68
48165.98  742.0348639.04  749.5448768.19  755.2649604.18     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21559.9     .1521935.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21559.921935.18             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.51    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.36    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1547800.00   70911.97   1225215.00
  E.G. Slope (ft/ft)      0.000290    Area (sq ft)            1547800.00   70911.97   1225215.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4976924.00   392705.70   2633504.00
  Top Width (ft)          45869.98    Top Width (ft)          18585.02     375.28   26909.68
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.22       5.54       2.15
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.28     188.96      45.53
  Conv. Total (cfs)       469844200.0    Conv. (cfs)            292182900.0   23054790.0   154606500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18606.34     377.15   26949.11
  Min Ch El (ft)            565.35    Shear (lb/sq ft)            1.51       3.41       0.82
  Alpha                       1.19    Stream Power (lb/ft s)      4.85      18.86       1.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    59819.13    2913.98   45247.14
  C & E Loss (ft)             0.00    Cum SA (acres)            719.83      15.46    1073.18


CROSS SECTION
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RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267970.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1236.55  761.05 1408.44     760 1915.94     760 2311.76  767.85
  2394.05  767.85 2532.02     770 2740.46     770 2829.83  768.54  3135.5  749.17
  3664.54  721.26 3922.07  711.93 4527.32  700.59 4630.29  703.45  4761.8  707.43
  5550.43  697.09 5747.83  704.31 5992.08  689.97 6030.41  687.85 6703.75  687.85
  6950.31  684.66    7204   664.5 7304.04  657.85 7399.23  657.85  7523.6  667.66
  7797.05  696.27  7858.1  697.85 8040.73  693.54 8096.67  693.54 8136.01  691.73
  8268.02  688.19 8348.19  689.71 8477.45  697.52 8714.67  709.53 9103.74  725.69
  9339.99  725.69 9362.27   725.4 9504.75  719.14  9616.8  715.6910478.45  710.05
 10814.26  702.2311122.62  677.4211151.41  673.4311307.24   663.511552.78  652.78
 11617.92  654.0912057.62  689.5112396.52     71012904.57  717.85 12913.2   718.2
 13095.96  722.8213324.12  714.9213389.63  713.6913511.82   714.813697.33     720
 14067.96     72014125.12  713.8714214.26  704.6514494.84  705.72 14687.9  723.51
 14761.39     73015191.27     73015730.38  706.46 15915.7  670.55 15932.8  666.57
 16081.45  651.2616278.97  627.8416300.56  626.1216551.93   619.716990.64  613.26
 17104.21  612.1519467.07  612.1519686.53     620 20060.3     62020464.13  596.46
 20634.33  596.4620727.63  594.3120977.75  592.1521515.29  590.0321522.67  588.72
 21560.38     58021595.68  574.6521640.93   569.721686.18  565.3521897.07  571.65
 21935.82     58022015.32  609.9622074.24  620.9922271.19  661.1422331.45  665.18
 22612.04  674.9822686.87  678.7423519.91  730.6823799.22  734.0524221.23  731.31
 24469.56  734.3124695.24  731.1625204.92   716.225241.19   713.225514.29  694.43
  25661.6  690.87 25707.9  692.93 25756.4  692.9326001.59  700.7926369.16  710.41
    26516  715.1226769.47  727.5527262.38  743.3527469.95  748.1427846.09  744.76
    28222  733.6328278.12  732.4828987.78  723.7529054.42  724.3130079.52  724.31
 30441.39  732.1531871.56  708.6232341.49  716.4633080.91  716.4633987.21  714.31
 34152.76  714.3134504.58  715.96   34612  714.6934980.62  708.6235390.17  708.62
 35927.03     70035932.71  699.4436079.49  647.2636238.52  606.4636262.81  607.87
 36374.09  615.51   36843  628.4237260.78  691.1537349.62  703.5437778.93  705.81
 37923.91  702.2737978.16  702.5638353.21  713.1638829.74  719.6839125.77  722.15
 39595.28  723.0339966.33  739.4240187.53  739.8340277.13  737.3940725.76  724.31
 41319.03     74041660.45  730.5841978.45  723.9642103.78  720.5142172.23  718.04
 42274.17  717.1942616.33  724.8942781.81     73042866.42     73043865.89  708.47
 43959.18  705.4844173.25  703.2244398.53  708.6944478.52  707.8544679.61  707.85
 44706.38  708.1444875.09   706.345145.39  700.3845780.79   682.345915.34  681.42
 46132.14     69046247.18  695.3146765.49  726.1147058.09  731.8548007.07  739.68
 48172.04  742.03 48645.2  749.5448774.37  755.2549610.54     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1521560.38     .1521935.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21560.3821935.82             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.51    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.36    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1547852.00   70939.50   1224913.00
  E.G. Slope (ft/ft)      0.000290    Area (sq ft)            1547852.00   70939.50   1224913.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4977793.00  392907.90   2632433.00
  Top Width (ft)          45876.53    Top Width (ft)          18585.71     375.44   26915.38
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.22       5.54       2.15
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.28     188.95      45.51
  Conv. Total (cfs)       469777200.0    Conv. (cfs)            292192200.0   23063360.0   154521600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18607.00     377.30   26954.76
  Min Ch El (ft)            565.35    Shear (lb/sq ft)            1.51       3.41       0.82
  Alpha                       1.19    Stream Power (lb/ft s)      4.85      18.87       1.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    59641.82    2905.86   45106.81
  C & E Loss (ft)             0.00    Cum SA (acres)            717.70      15.42    1070.10


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267965.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1236.57  761.06 1408.47     760 1915.99     760 2311.81  767.82
  2394.11  767.82 2532.08     770 2740.52     770 2829.89  768.52 3135.57  749.14
  3664.63  721.27 3922.16  711.95 4527.42   700.6  4630.4  703.43 4761.91   707.4
  5550.55  697.06 5747.96  704.25 5992.22  689.94 6030.55  687.82  6703.9  687.82
  6950.46   684.6 7204.16  664.46  7304.2  657.82  7399.4  657.82 7523.77   667.6
  7797.23  696.23 7858.27  697.82 8040.91  693.47 8096.85  693.47 8136.19  691.67
  8268.21  688.17 8348.37   689.7 8477.64  697.53 8714.87  709.53 9103.94  725.64
   9340.2  725.64 9362.48  725.35 9504.97  719.09 9617.01  715.6410478.69  710.02
  10814.5  702.1511122.87  677.3411151.66  673.3311307.49  663.4311553.04  652.81
 11618.18  654.1312057.89  689.57 12396.8     71012904.85  717.8212913.49  718.17
 13096.25  722.7413324.42  714.8213389.93  713.5913512.12  714.7513697.63     720
 14068.28     72014125.43  713.8914214.58   704.714495.16  705.7914688.23  723.53
 14761.72     73015191.61     73015730.73  706.5315916.05  670.7315933.16  666.75
 16081.81   651.416279.34  627.9116300.92  626.19 16552.3  619.7316991.02  613.28
 17104.59  612.1819467.51  612.1819686.97     62020060.74     62020464.59  596.53
 20634.79  596.5320728.09  594.3620978.22  592.1821515.77  590.0321523.15  588.72
 21560.87     58021596.29  574.64 21641.7  569.6921687.12  565.3521897.75  571.66
 21936.46     58022015.98  610.0822074.91  621.07 22271.9  661.1622332.17   665.2
 22612.82   674.922687.66  678.6523520.88  730.5823800.24  733.9924222.35  731.32
 24470.72  734.3624696.45  731.1725206.23  716.1625242.51  713.1625515.67  694.45
    25663  690.9825709.32  693.0725757.82  693.0726003.07   700.926370.72  710.47
 26517.59  715.1626771.11  727.6227264.12  743.3727471.73  748.1227847.95   744.7
 28223.94  733.5628280.07  732.4128989.88   723.829056.53  724.3630081.84  724.36
 30443.79  732.1831874.25  708.7132344.28  716.5333083.84  716.5333990.34  714.36
 34155.93  714.3634507.81  716.0234615.25  714.7734983.95  708.7135393.59  708.71
 35930.56     70035936.24  699.4336083.05  647.2136242.11  606.5336266.41  607.94
 36377.71  615.5736846.71  628.5137264.58  691.1237353.45  703.4737782.84  705.73
 37927.85  702.1537982.11  702.4338357.24  713.1338833.87  719.6739129.96  722.18
 39599.57  723.0739970.69  739.4140191.94  739.8340281.56   737.440730.28  724.36
 41323.67     74041665.16  730.6141983.23  724.0442108.59  720.5942177.05  718.13
 42279.01  717.2642621.24   724.942786.76     73042871.38     73043871.06  708.54
 43964.37  705.5444178.48  703.26 44403.8  708.6844483.82  707.8244684.95  707.82
 44711.71  708.1244880.46  706.3245150.82  700.4145786.35  682.3345920.93  681.44
 46137.77  689.9746252.84  695.2746771.25  726.0747063.92  731.84 48013.1  739.68
 48178.09  742.0248651.35  749.5348780.55  755.2349616.89     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521560.87     .1521936.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21560.8721936.46             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.51    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.36    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1547884.00   70966.41   1224625.00
  E.G. Slope (ft/ft)      0.000290    Area (sq ft)            1547884.00   70966.41   1224625.00
  Q Total (cfs)           8003133.00    Flow (cfs)            4978595.00   393113.20   2631425.00
  Top Width (ft)          45883.34    Top Width (ft)          18586.50     375.59   26921.25
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.22       5.54       2.15
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.28     188.95      45.49
  Conv. Total (cfs)       469705100.0    Conv. (cfs)            292194500.0   23071880.0   154438800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18607.75     377.45   26960.58
  Min Ch El (ft)            565.35    Shear (lb/sq ft)            1.51       3.41       0.82
  Alpha                       1.19    Stream Power (lb/ft s)      4.85      18.88       1.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    59464.50    2897.73   44966.50
  C & E Loss (ft)             0.00    Cum SA (acres)            715.57      15.37    1067.02


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267960.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1236.6  761.07 1408.51     760 1916.03     760 2311.86   767.8
 2394.16   767.8 2532.13    770 2740.58     770 2829.95  768.51 3135.64  749.12
 3664.71  721.29 3922.25  711.97 4527.52  700.61  4630.5  703.42 4762.02  707.37
 5550.67  697.03 5748.09  704.19 5992.35  689.91 6030.68   687.8 6704.05   687.8
 6950.62  684.54 7204.32  664.42 7304.36   657.8 7399.56   657.8 7523.94  667.55
  7797.4  696.19 7858.45   697.8 8041.09   693.4 8097.03   693.4 8136.38  691.61
 8268.39  688.15 8348.56   689.7 8477.83  697.54 8715.07  709.53 9104.15   725.6
 9340.41   725.6 9362.69   725.3 9505.18  719.03 9617.23   715.610478.92  709.99
10814.75  702.0611123.12  677.2511151.91  673.2311307.75  663.36 11553.3  652.84
11618.44  654.1812058.16  689.6312397.07     71012905.14   717.812913.78  718.15
13096.54  722.6613324.72  714.7113390.23  713.4913512.42  714.6913697.94     720
14068.59     72014125.75  713.91 14214.9  704.7514495.49  705.8514688.56  723.55
14762.05     73015191.95    73015731.09   706.615916.41  670.9115933.51  666.93
16082.17  651.55 16279.7  627.9816301.29  626.2616552.67  619.76 16991.4   613.3
17104.98   612.219467.95   612.219687.41     62020061.19    62020465.04   596.6
20635.25   596.620728.55   594.420978.69   592.221516.25  590.0321523.63  588.72
21561.35      580 21596.9  574.6321642.48  569.6821688.06  565.3521898.44  571.68
 21937.1     58022016.63   610.222075.58  621.1622272.61  661.1722332.89  665.21
 22613.6  674.8322688.46  678.5723521.84  730.4723801.27  733.9224223.46  731.34
24471.88   734.424697.66  731.1825207.55  716.1125243.83  713.1225517.05  694.46
25664.41   691.125710.74  693.2125759.25  693.2126004.54  701.0226372.27  710.53
26519.17  715.2126772.75  727.6827265.86  743.3927473.51   748.127849.81  744.64
28225.87  733.4928282.02  732.3428991.97  723.8429058.64   724.430084.16   724.4
30446.18   732.231876.94  708.8132347.06   716.633086.79   716.633993.47   714.4
34159.09   714.434511.05  716.0934618.51  714.8434987.29  708.81   35397  708.81
35934.09     70035939.77  699.4336086.61  647.16 36245.7   606.6   36270     608
36381.33  615.6336850.43   628.637268.39  691.0937357.27   703.437786.76  705.66
37931.79  702.0237986.06   702.338361.27  713.09   38838  719.6739134.15   722.2
39603.85   723.139975.05  739.4140196.35  739.8340285.98   737.4 40734.8   724.4
41328.31     74041669.88  730.6441988.01  724.1242113.39  720.6842181.87  718.22
42283.85  717.3442626.15  724.92 42791.7     73042876.34    73043876.23   708.6
43969.55   705.644183.71  703.2944409.08  708.6644489.11   707.844690.28   707.8
44717.05   708.144885.84  706.3345156.25  700.4445791.91  682.3545926.52  681.45
46143.41  689.94 46258.5  695.2246777.02  726.0347069.74  731.8448019.12  739.67
48184.15  742.02 48657.5  749.5348786.73  755.2249623.24     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521561.35     .15 21937.1     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21561.35 21937.1             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.51    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.36    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1547917.00   70993.19   1224375.00
  E.G. Slope (ft/ft)      0.000290    Area (sq ft)            1547917.00   70993.19   1224375.00
  Q Total (cfs)           8003133.00    Flow (cfs)            4979321.00   393305.60   2630507.00
  Top Width (ft)          45889.82    Top Width (ft)          18587.13     375.75   26926.94
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.22       5.54       2.15
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.28     188.94      45.47
  Conv. Total (cfs)       469643600.0    Conv. (cfs)            292198800.0   23080140.0   154364600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18608.33     377.61   26966.24
  Min Ch El (ft)            565.35    Shear (lb/sq ft)            1.51       3.41       0.82
  Alpha                       1.19    Stream Power (lb/ft s)      4.85      18.88       1.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    59287.18    2889.60   44826.23
  C & E Loss (ft)             0.00    Cum SA (acres)            713.44      15.33    1063.93


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267955.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.63  761.09 1408.54     760 1916.07     760 2311.91  767.78
 2394.22  767.78 2532.19    770 2740.64     770 2830.02  768.49 3135.71  749.09
 3664.79   721.3 3922.34  711.99 4527.62  700.61  4630.6  703.41 4762.12  707.35
  5550.8  696.99 5748.22  704.12 5992.49  689.88 6030.82  687.78  6704.2  687.78
 6950.77  684.49 7204.48  664.37 7304.53  657.78 7399.73  657.78 7524.11   667.5
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 7797.57  696.15 7858.62  697.78 8041.27  693.33 8097.21  693.33 8136.56  691.54
 8268.58  688.13 8348.75   689.7 8478.02  697.55 8715.26  709.54 9104.35  725.55
 9340.62  725.55  9362.9  725.25 9505.39  718.97 9617.44  715.5510479.16  709.96
10814.99  701.9811123.37  677.1711152.16  673.13   11308  663.2911553.56  652.87
 11618.7  654.2212058.43  689.6912397.35     71012905.43  717.7812914.07  718.13
13096.84  722.5813325.02  714.6113390.53  713.3913512.72  714.6313698.25     720
 14068.9     72014126.07  713.9214215.22   704.814495.81  705.9114688.89  723.57
14762.38     73015192.29     73015731.44  706.6715916.76  671.0815933.87  667.11
16082.53   651.716280.07  628.0416301.65  626.3216553.04  619.7916991.78  613.32
17105.36  612.2219468.38  612.2219687.85     62020061.64     620 20465.5  596.67
20635.71  596.6720729.02  594.4520979.16  592.2221516.73  590.0321524.11  588.73
21561.83     58021597.51  574.6121643.25  569.6721688.99  565.3421899.12   571.7
21937.74     58022017.29  610.3222076.25  621.2522273.32  661.1822333.62  665.23
22614.38  674.7522689.25  678.4823522.81  730.3723802.29  733.8624224.57  731.35
24473.05  734.4524698.87   731.225208.86  716.0725245.15  713.0825518.43  694.48
25665.82  691.2225712.16  693.3525760.68  693.3526006.02  701.1426373.83  710.59
26520.76  715.2526774.38  727.7527267.59  743.4127475.29  748.0827851.67  744.59
28227.81  733.4228283.96  732.2728994.07  723.8829060.75  724.4530086.48  724.45
30448.58  732.2231879.63   708.932349.85  716.6733089.73  716.67 33996.6  714.45
34162.25  714.4534514.28  716.1534621.77  714.9234990.62   708.935400.42   708.9
35937.62     700 35943.3  699.4236090.17  647.1136249.29  606.67 36273.6  608.07
36384.95  615.6936854.15  628.6937272.19  691.0537361.09  703.3337790.67  705.58
37935.73  701.8937990.01  702.18 38365.3  713.0538842.12  719.6739138.34  722.22
39608.14  723.1339979.42   739.440200.76  739.8340290.41  737.4140739.31  724.45
41332.95     74041674.59  730.6741992.79   724.242118.19  720.7742186.69  718.31
42288.69  717.4242631.06  724.9342796.64     730 42881.3     730 43881.4  708.67
43974.74  705.6644188.94  703.3344414.36  708.65 44494.4  707.7844695.62  707.78
44722.39  708.0844891.22  706.3445161.69  700.4745797.47  682.3845932.11  681.47
46149.04  689.9146264.16  695.1746782.79  725.9947075.57  731.8348025.14  739.67
48190.21  742.0148663.66  749.5248792.91   755.249629.59     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521561.83     .1521937.74     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21561.8321937.74             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.50    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.36    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1547968.00   71021.96   1224097.00
  E.G. Slope (ft/ft)      0.000290    Area (sq ft)            1547968.00   71021.96   1224097.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4980131.00   393515.30   2629487.00
  Top Width (ft)          45896.63    Top Width (ft)          18587.90     375.91   26932.81
  Vel Total (ft/s)            2.81    Avg. Vel. (ft/s)            3.22       5.54       2.15
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.28     188.93      45.45
  Conv. Total (cfs)       469580500.0    Conv. (cfs)            292207100.0   23089350.0   154284000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18609.08     377.76   26972.05
  Min Ch El (ft)            565.34    Shear (lb/sq ft)            1.51       3.41       0.82
  Alpha                       1.19    Stream Power (lb/ft s)      4.85      18.89       1.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    59109.86    2881.47   44685.99
  C & E Loss (ft)             0.00    Cum SA (acres)            711.31      15.29    1060.85


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267950.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.66   761.1 1408.57     760 1916.12     760 2311.97  767.75
 2394.27  767.75 2532.25    770  2740.7     770 2830.08  768.47 3135.78  749.06
 3664.87  721.31 3922.43  712.01 4527.73  700.62 4630.71   703.4 4762.23  707.32
 5550.92  696.96 5748.35  704.06 5992.62  689.85 6030.95  687.75 6704.35  687.75
 6950.93  684.43 7204.64  664.33 7304.69  657.75 7399.89  657.75 7524.28  667.45
 7797.75  696.11  7858.8  697.75 8041.45  693.26 8097.39  693.26 8136.74  691.48
 8268.76  688.11 8348.93  689.69 8478.21  697.55 8715.46  709.54 9104.56   725.5
 9340.82   725.5 9363.11   725.2  9505.6  718.92 9617.66   715.510479.39  709.93
10815.23  701.8911123.62  677.0911152.41  673.0311308.25  663.2211553.82   652.9
11618.96  654.27 12058.7  689.7612397.63     71012905.72  717.7512914.36   718.1
13097.13   722.513325.32  714.5113390.83  713.2813513.02  714.5813698.55     720
14069.22     72014126.38  713.9414215.53  704.8514496.14  705.9714689.21  723.59
14762.71     73015192.63     73015731.79  706.7415917.12  671.2615934.22  667.29
16082.89  651.8416280.43  628.1116302.01  626.3916553.41  619.8216992.16  613.34
17105.74  612.2519468.82  612.2519688.29     62020062.09     62020465.96  596.74
20636.17  596.7420729.48   594.520979.63  592.2521517.22  590.0321524.59  588.73
21562.31     58021598.12   574.621644.02  569.6621689.93  565.3421899.81  571.72
21938.38     58022017.94  610.4422076.92  621.3322274.03  661.1922334.34  665.24
22615.16  674.6822690.04   678.423523.78  730.2723803.31  733.7924225.68  731.36
24474.21   734.524700.07  731.2125210.18  716.0325246.47  713.0425519.81   694.5
25667.23  691.3425713.57  693.4925762.11  693.49 26007.5  701.2526375.38  710.65
26522.34   715.326776.02  727.8227269.33  743.4327477.07  748.0527853.53  744.53
28229.75  733.3528285.91  732.2128996.16  723.9229062.86   724.5 30088.8   724.5
30450.97  732.2531882.32  708.9932352.64  716.7433092.67  716.7433999.73   714.5
34165.41   714.534517.52  716.2234625.02     71534993.95  708.9935403.84  708.99
35941.14     70035946.82  699.4136093.73  647.0636252.89  606.74 36277.2  608.13
36388.57  615.7536857.87  628.7837275.99  691.0237364.91  703.2637794.58   705.5
37939.67  701.7737993.96  702.0538369.33  713.0138846.25  719.6639142.53  722.25
39612.43  723.1739983.78  739.3940205.16  739.8340294.84  737.4240743.83   724.5
41337.59     740 41679.3  730.6941997.56  724.27   42123  720.86 42191.5  718.39
42293.53   717.542635.97  724.9542801.59     73042886.27     73043886.57  708.73
43979.93  705.7244194.17  703.3644419.64  708.63 44499.7  707.7544700.95  707.75
44727.74  708.0644896.59  706.3545167.12   700.545803.04   682.4 45937.7  681.48
46154.68  689.8846269.82  695.1346788.55  725.9447081.39  731.8348031.16  739.67
48196.26     74248669.81  749.52 48799.1  755.1949635.95     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521562.31     .1521938.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21562.3121938.38             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.50    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
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  W.S. Elev (ft)            759.36    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1547998.00   71049.17   1223822.00
  E.G. Slope (ft/ft)      0.000291    Area (sq ft)            1547998.00   71049.17   1223822.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4980893.00   393717.00   2628523.00
  Top Width (ft)          45903.27    Top Width (ft)          18588.68     376.07   26938.52
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.22       5.54       2.15
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.28     188.93      45.43
  Conv. Total (cfs)       469511100.0    Conv. (cfs)            292208600.0   23097770.0   154204700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18609.82     377.92   26977.72
  Min Ch El (ft)            565.34    Shear (lb/sq ft)            1.51       3.41       0.82
  Alpha                       1.19    Stream Power (lb/ft s)      4.85      18.90       1.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    58932.53    2873.33   44545.78
  C & E Loss (ft)             0.00    Cum SA (acres)            709.18      15.24    1057.76


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267945.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.68  761.11  1408.6     760 1916.16     760 2312.02  767.73
 2394.32  767.73  2532.3    770 2740.76     770 2830.14  768.46 3135.85  749.03
 3664.95  721.33 3922.51  712.03 4527.83  700.63 4630.81  703.39 4762.34  707.29
 5551.05  696.93 5748.48    704 5992.75  689.82 6031.09  687.73  6704.5  687.73
 6951.09  684.37 7204.81  664.29 7304.85  657.73 7400.06  657.73 7524.44  667.39
 7797.92  696.07 7858.98  697.73 8041.63  693.18 8097.57  693.18 8136.92  691.41
 8268.95  688.09 8349.12  689.69  8478.4  697.56 8715.65  709.54 9104.76  725.46
 9341.03  725.46 9363.32  725.15 9505.82  718.86 9617.87  715.4610479.63   709.9
10815.47  701.8111123.87  677.0111152.66  672.9311308.51  663.1511554.08  652.93
11619.22  654.3112058.97  689.8212397.91     71012906.01  717.7312914.65  718.08
13097.42  722.4313325.61   714.413391.13  713.1813513.33  714.5213698.86     720
14069.53     720 14126.7  713.9614215.85   704.914496.46  706.0414689.54  723.61
14763.04     73015192.97     73015732.14  706.8215917.48  671.4415934.58  667.47
16083.25  651.9916280.79  628.1816302.38  626.4616553.78  619.8516992.54  613.36
17106.12  612.2719469.25  612.2719688.73     62020062.54     62020466.42  596.82
20636.63  596.8220729.95  594.54 20980.1  592.27 21517.7  590.0321525.08  588.74
 21562.8     58021598.73  574.58 21644.8  569.6421690.87  565.3421900.49  571.74
21939.02     580 22018.6  610.5622077.58  621.4222274.73  661.2122335.06  665.26
22615.94   674.622690.84  678.3123524.74  730.1723804.34  733.7324226.79  731.38
24475.37  734.5424701.28  731.2225211.49  715.9925247.79     71325521.18  694.51
25668.64  691.4625714.99  693.6325763.54  693.6326008.98  701.3726376.94   710.7
26523.93  715.3426777.66  727.8927271.07  743.4527478.86  748.0327855.39  744.47
28231.69  733.2828287.86  732.1428998.26  723.9629064.96  724.5430091.12  724.54
30453.37  732.2731885.02  709.0932355.43  716.8233095.61  716.8234002.85  714.54
34168.57  714.5434520.75  716.2834628.28  715.0734997.29  709.0935407.26  709.09
35944.68     70035950.36  699.4136097.29     64736256.48  606.82 36280.8   608.2
 36392.2  615.8136861.59  628.88 37279.8  690.9937368.73  703.1837798.49  705.43
37943.61  701.6437997.91  701.9238373.36  712.9738850.38  719.6639146.72  722.27
39616.71   723.239988.14  739.3940209.57  739.8240299.27  737.4340748.35  724.54
41342.23     74041684.01  730.7242002.34  724.35 42127.8  720.9542196.32  718.48
42298.36  717.5842640.88  724.9642806.53     73042891.23     73043891.73  708.79
43985.11  705.78 44199.4   703.444424.91  708.6244504.99  707.7344706.29  707.73
44733.08  708.0444901.97  706.3645172.55  700.53 45808.6  682.4345943.29   681.5
46160.31  689.8546275.48  695.0846794.32   725.947087.22  731.8248037.19  739.66
48202.32     74248675.97  749.5148805.28  755.17 49642.3     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21562.8     .1521939.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21562.821939.02             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.50    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.35    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1548025.00   71074.97   1223551.00
  E.G. Slope (ft/ft)      0.000291    Area (sq ft)            1548025.00   71074.97   1223551.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4981655.00   393913.60   2627565.00
  Top Width (ft)          45910.00    Top Width (ft)          18589.39     376.22   26944.39
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.22       5.54       2.15
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.27     188.92      45.41
  Conv. Total (cfs)       469441600.0    Conv. (cfs)            292210000.0   23105880.0   154125600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18610.49     378.06   26983.54
  Min Ch El (ft)            565.34    Shear (lb/sq ft)            1.51       3.41       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.86      18.91       1.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    58755.20    2865.19   44405.60
  C & E Loss (ft)             0.00    Cum SA (acres)            707.05      15.20    1054.68


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267940.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.71  761.12 1408.63     760  1916.2     760 2312.07   767.7
 2394.38   767.7 2532.36    770 2740.83     770 2830.21  768.44 3135.92  749.01
 3665.04  721.34  3922.6  712.05 4527.93  700.63 4630.91  703.38 4762.44  707.26
 5551.17   696.9  5748.6  703.94 5992.89   689.8 6031.22   687.7 6704.65   687.7
 6951.24  684.31 7204.97  664.24 7305.02   657.7 7400.23   657.7 7524.61  667.34
  7798.1  696.03 7859.15   697.7 8041.81  693.11 8097.75  693.11  8137.1  691.35
 8269.13  688.07 8349.31  689.69 8478.59  697.57 8715.85  709.54 9104.96  725.41
 9341.24  725.41 9363.53   725.1 9506.03   718.8 9618.09  715.4110479.86  709.87
10815.71  701.7211124.12  676.9311152.91  672.8311308.76  663.0811554.33  652.96
11619.48  654.3612059.24  689.8812398.18     710 12906.3   717.712914.94  718.05
13097.72  722.3513325.91   714.313391.43  713.0813513.63  714.4713699.16     720
14069.85     72014127.02  713.9814216.17  704.9514496.79   706.114689.87  723.63
14763.37     73015193.31     73015732.49  706.8915917.83  671.6215934.94  667.65
16083.61  652.1316281.16  628.2416302.74  626.5216554.15  619.8916992.92  613.38
17106.51   612.319469.69   612.319689.17     62020062.99     62020466.88  596.89
 20637.1  596.8920730.41  594.5920980.57   592.321518.18  590.0321525.56  588.74
21563.28     58021599.34  574.5721645.57  569.63 21691.8  565.3421901.18  571.75
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21939.66     58022019.25  610.6822078.25  621.5122275.44  661.2222335.78  665.27
22616.72  674.5322691.63  678.2223525.71  730.0723805.36  733.66 24227.9  731.39
24476.53  734.5924702.49  731.2325212.81  715.9525249.12  712.9625522.56  694.53
25670.05  691.5725716.41  693.7725764.96  693.7726010.46  701.4926378.49  710.76
26525.51  715.3826779.29  727.9527272.81  743.4727480.64  748.0127857.25  744.42
28233.62  733.2128289.81  732.0729000.35     72429067.07  724.5930093.44  724.59
30455.77   732.331887.71  709.1832358.21  716.8933098.55  716.8934005.98  714.59
34171.73  714.5934523.98  716.3534631.54  715.1535000.62  709.1835410.68  709.18
 35948.2     70035953.88   699.436100.85  646.9536260.07  606.8936284.39  608.27
36395.82  615.87 36865.3  628.97 37283.6  690.9537372.55  703.11 37802.4  705.35
37947.55  701.5138001.87   701.838377.39  712.93 38854.5  719.6639150.91   722.3
   39621  723.23 39992.5  739.3840213.98  739.8240303.69  737.4340752.87  724.59
41346.88     74041688.72  730.7542007.12  724.4342132.61  721.0342201.14  718.57
 42303.2  717.6542645.79  724.9842811.48     73042896.19     730 43896.9  708.86
 43990.3  705.8444204.63  703.4344430.19   708.644510.29   707.744711.62   707.7
44738.42  708.0244907.34  706.3745177.98  700.5545814.16  682.4545948.88  681.51
46165.95  689.8246281.14  695.0446800.09  725.8647093.05  731.8248043.21  739.66
48208.38  741.9948682.12  749.5148811.46  755.1649648.66     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521563.28     .1521939.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21563.2821939.66             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.50    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.35    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1548055.00   71103.77   1223275.00
  E.G. Slope (ft/ft)      0.000291    Area (sq ft)            1548055.00   71103.77   1223275.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4982417.00   394126.10   2626590.00
  Top Width (ft)          45916.55    Top Width (ft)          18590.09     376.38   26950.08
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.22       5.54       2.15
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.27     188.91      45.39
  Conv. Total (cfs)       469373800.0    Conv. (cfs)            292212500.0   23115010.0   154046200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18611.15     378.22   26989.19
  Min Ch El (ft)            565.34    Shear (lb/sq ft)            1.51       3.41       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.86      18.91       1.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    58577.86    2857.04   44265.45
  C & E Loss (ft)             0.00    Cum SA (acres)            704.92      15.16    1051.59


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267935.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.74  761.13 1408.66     760 1916.24     760 2312.12  767.68
 2394.43  767.68 2532.42     770 2740.89     770 2830.27  768.43 3135.99  748.98
 3665.12  721.35 3922.69  712.08 4528.03  700.64 4631.02  703.37 4762.55  707.23
  5551.3  696.87 5748.73  703.88 5993.02  689.77 6031.36  687.68  6704.8  687.68
  6951.4  684.25 7205.13   664.2 7305.18  657.68 7400.39  657.68 7524.78  667.29
 7798.27  695.99 7859.33  697.68 8041.99  693.04 8097.94  693.04 8137.29  691.28
 8269.32  688.05 8349.49  689.69 8478.78  697.58 8716.04  709.54 9105.17  725.36
 9341.45  725.36 9363.74  725.05 9506.24  718.74  9618.3  715.3610480.09  709.84
10815.96  701.6411124.37  676.8411153.16  672.7311309.01  663.0111554.59  652.99
11619.74   654.4 12059.5  689.9412398.46     71012906.59  717.6812915.23  718.03
13098.01  722.2713326.21  714.1913391.73  712.9813513.93  714.4113699.47     720
14070.16     72014127.33     71414216.49     70514497.11  706.16 14690.2  723.65
 14763.7     73015193.65     73015732.85  706.9615918.19  671.7915935.29  667.83
16083.97  652.2816281.52  628.3116303.11  626.5916554.52  619.92 16993.3   613.4
17106.89  612.3219470.12  612.3219689.61     62020063.44     62020467.33  596.96
20637.56  596.9620730.87  594.6420981.04  592.3221518.66  590.0321526.04  588.74
21563.76     58021599.95  574.5621646.34  569.6221692.74  565.3421901.87  571.77
21940.29     58022019.91   610.822078.92  621.5922276.15  661.23 22336.5  665.28
 22617.5  674.4622692.43  678.1423526.68  729.9723806.39   733.624229.01  731.41
 24477.7  734.64 24703.7  731.2525214.12  715.9125250.44  712.9225523.94  694.55
25671.46  691.6925717.83  693.9125766.39  693.9126011.94   701.626380.04  710.82
 26527.1  715.4326780.93  728.0227274.55  743.4927482.42  747.9927859.11  744.36
28235.56  733.1428291.76  732.0129002.45  724.0429069.18  724.6430095.77  724.64
30458.16  732.32 31890.4  709.27   32361  716.9633101.49  716.9634009.11  714.64
34174.89  714.6434527.22  716.4134634.79  715.2235003.95  709.2735414.09  709.27
35951.73     70035957.41   699.436104.41   646.936263.66  606.9636287.99  608.33
36399.43  615.9336869.02  629.0637287.41  690.9237376.38  703.0437806.31  705.27
37951.49  701.3938005.82  701.6738381.42  712.8938858.63  719.6539155.09  722.32
39625.28  723.2639996.87  739.3740218.39  739.8240308.12  737.4440757.39  724.64
41351.52     74041693.43  730.7842011.89  724.5142137.41  721.1242205.96  718.65
42308.04  717.73 42650.7  724.9942816.42     73042901.15     73043902.07  708.92
43995.49   705.944209.86  703.4744435.47  708.5944515.58  707.6844716.96  707.68
44743.76     70844912.72  706.3845183.41  700.5845819.72  682.4845954.47  681.53
46171.59  689.79 46286.8  694.9946805.85  725.8247098.88  731.8148049.23  739.66
48214.43  741.9948688.28   749.548817.64  755.1449655.01     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521563.76     .1521940.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21563.7621940.29             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.50    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.35    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1548098.00   71128.85   1223002.00
  E.G. Slope (ft/ft)      0.000291    Area (sq ft)            1548098.00   71128.85   1223002.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4983225.00   394312.70   2625596.00
  Top Width (ft)          45923.27    Top Width (ft)          18590.79     376.53   26955.96
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.22       5.54       2.15
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.27     188.91      45.37
  Conv. Total (cfs)       469308600.0    Conv. (cfs)            292219300.0   23122730.0   153966600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18611.81     378.37   26995.03
  Min Ch El (ft)            565.34    Shear (lb/sq ft)            1.51       3.41       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.86      18.92       1.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    58400.52    2848.90   44125.33
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  C & E Loss (ft)             0.00    Cum SA (acres)            702.79      15.11    1048.50


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267930.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.77  761.14 1408.69     760 1916.29     760 2312.17  767.66
 2394.48  767.66 2532.47     770 2740.95     770 2830.33  768.41 3136.06  748.95
  3665.2  721.37 3922.78   712.1 4528.13  700.65 4631.12  703.36 4762.66  707.21
 5551.42  696.84 5748.86  703.81 5993.16  689.74 6031.49  687.66 6704.95  687.66
 6951.55   684.2 7205.29  664.16 7305.34  657.66 7400.56  657.66 7524.95  667.23
 7798.45  695.95  7859.5  697.66 8042.17  692.97 8098.12  692.97 8137.47  691.22
  8269.5  688.03 8349.68  689.68 8478.97  697.58 8716.24  709.54 9105.37  725.32
 9341.66  725.32 9363.95     725 9506.45  718.69 9618.52  715.3210480.33  709.81
 10816.2  701.5511124.62  676.7611153.41  672.6311309.26  662.9311554.85  653.02
   11620  654.4512059.78     69012398.74     71012906.88  717.6612915.51     718
 13098.3  722.1913326.51  714.0913392.03  712.8813514.23  714.3513699.78     720
14070.48     72014127.65  714.0214216.81  705.0514497.43  706.2214690.53  723.67
14764.03     73015193.99     730 15733.2  707.0315918.55  671.9715935.65  668.01
16084.33  652.4216281.89  628.3716303.47  626.6616554.89  619.9516993.68  613.42
17107.27  612.3419470.56  612.3419690.05     62020063.89     62020467.79  597.03
20638.02  597.0320731.34  594.6820981.51  592.3421519.14  590.0321526.52  588.75
21564.24     58021600.56  574.5421647.12  569.6121693.68  565.3421902.55  571.79
21940.93     58022020.57  610.9222079.59  621.6822276.86  661.2422337.22   665.3
22618.28  674.3822693.22  678.0523527.64  729.8723807.41  733.5424230.12  731.42
24478.86  734.6824704.91  731.2625215.44  715.8725251.76  712.8825525.32  694.56
25672.86  691.8125719.25  694.0525767.82  694.0526013.42  701.72 26381.6  710.88
26528.68  715.4726782.57  728.0927276.29  743.51 27484.2  747.9727860.97   744.3
 28237.5  733.0728293.71  731.9429004.54  724.0829071.29  724.6830098.09  724.68
30460.56  732.3431893.09  709.3732363.79  717.0333104.43  717.0334012.23  714.68
34178.06  714.6834530.45  716.4834638.05   715.335007.29  709.3735417.51  709.37
35955.26     70035960.94  699.3936107.96  646.8536267.26  607.0336291.59   608.4
36403.05  615.9936872.74  629.1537291.21  690.89 37380.2  702.9737810.22   705.2
37955.43  701.2638009.77  701.5438385.45  712.8538862.76  719.6539159.29  722.34
39629.57   723.340001.23  739.37 40222.8  739.8240312.54  737.4540761.91  724.68
41356.16     74041698.14  730.8142016.67  724.5942142.21  721.2142210.78  718.74
42312.88  717.8142655.61  725.0142821.36     73042906.11     73043907.23  708.99
44000.67  705.9644215.09   703.544440.75  708.5844520.87  707.6644722.29  707.66
 44749.1  707.98 44918.1  706.3945188.84  700.6145825.29   682.545960.07  681.54
46177.22  689.7646292.45  694.9546811.62  725.77 47104.7   731.848055.25  739.65
48220.49  741.9848694.43   749.548823.82  755.1249661.36     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521564.24    .1521940.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21564.2421940.93             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.50    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.35    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1548136.00   71156.40   1222739.00
  E.G. Slope (ft/ft)      0.000291    Area (sq ft)            1548136.00   71156.40   1222739.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4983981.00   394513.30   2624638.00
  Top Width (ft)          45930.08    Top Width (ft)          18591.57     376.69   26961.82
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.22       5.54       2.15
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.27     188.90      45.35
  Conv. Total (cfs)       469244000.0    Conv. (cfs)            292223500.0   23131320.0   153889200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18612.56     378.52   27000.86
  Min Ch El (ft)            565.34    Shear (lb/sq ft)            1.51       3.41       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.86      18.93       1.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    58223.18    2840.75   43985.25
  C & E Loss (ft)             0.00    Cum SA (acres)            700.66      15.07    1045.41


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267925.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.79  761.15 1408.73     760 1916.33     760 2312.22  767.63
 2394.54  767.63 2532.53     770 2741.01     770  2830.4  768.39 3136.13  748.93
 3665.28  721.38 3922.86  712.12 4528.23  700.65 4631.22  703.35 4762.76  707.18
 5551.54   696.8 5748.99  703.75 5993.29  689.71 6031.63  687.63  6705.1  687.63
 6951.71  684.14 7205.45  664.11 7305.51  657.63 7400.72  657.63 7525.12  667.18
 7798.62  695.91 7859.68  697.63 8042.35   692.9  8098.3   692.9 8137.65  691.15
 8269.69  688.01 8349.87  689.68 8479.16  697.59 8716.43  709.54 9105.57  725.27
 9341.87  725.27 9364.16  724.95 9506.67  718.63 9618.73  715.2710480.56  709.78
10816.44  701.4711124.87  676.6811153.66  672.5311309.52  662.8611555.11  653.05
11620.26  654.4912060.04  690.0612399.02     71012907.16  717.63 12915.8  717.98
 13098.6  722.1113326.81  713.9813392.33  712.7813514.54   714.313700.08     720
14070.79     72014127.96  714.0314217.12  705.1114497.76  706.2814690.86  723.69
14764.36     73015194.33     73015733.55   707.1 15918.9  672.1515936.01  668.19
16084.69  652.5716282.25  628.4416303.84  626.7216555.26  619.9816994.06  613.44
17107.65  612.37   19471  612.3719690.49     62020064.34     62020468.25   597.1
20638.48   597.1 20731.8  594.7320981.98  592.3721519.62  590.03   21527  588.75
21564.73     58021601.17  574.5321647.89   569.621694.61  565.3321903.24  571.81
21941.57     58022021.22  611.0422080.26  621.7722277.57  661.2622337.94  665.31
22619.05  674.3122694.02  677.9723528.61  729.7723808.43  733.4724231.23  731.44
24480.02  734.7324706.12  731.2725216.75  715.8325253.08  712.84 25526.7  694.58
25674.27  691.9325720.66  694.1925769.25  694.19 26014.9  701.8426383.15  710.94
26530.27  715.5226784.21  728.1527278.03  743.5327485.98  747.9527862.83  744.24
28239.43     73328295.66  731.8729006.64  724.12 29073.4  724.7330100.41  724.73
30462.95  732.3731895.78  709.4632366.58   717.133107.37   717.134015.36  714.73
34181.22  714.7334533.69  716.5434641.31  715.3735010.62  709.4635420.93  709.46
35958.79     70035964.47  699.3836111.52   646.836270.85   607.136295.19  608.46
36406.68  616.0536876.46  629.2437295.01  690.8537384.02   702.937814.13  705.12
37959.37  701.1438013.72  701.4238389.48  712.8138866.89  719.6539163.47  722.37
39633.85  723.3340005.59  739.36 40227.2  739.8240316.97  737.4640766.43  724.73
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```
 41360.8     74041702.86  730.8342021.45  724.6642147.02   721.342215.59  718.83
42317.72  717.8942660.52  725.02 42826.3     73042911.07     730 43912.4  709.05
44005.86  706.0244220.32  703.5444446.02  708.5644526.17  707.6344727.63  707.63
44754.44  707.9644923.47   706.445194.28  700.6445830.85  682.5345965.66  681.56
46182.86  689.7346298.11   694.946817.38  725.7347110.53   731.848061.28  739.65
48226.55  741.9748700.59  749.49   48830  755.1149667.71     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521564.73     .1521941.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21564.7321941.57             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.50    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.35    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1548174.00   71183.13   1222460.00
  E.G. Slope (ft/ft)      0.000291    Area (sq ft)            1548174.00   71183.13   1222460.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4984772.00   394714.20   2623648.00
  Top Width (ft)          45936.63    Top Width (ft)          18592.28     376.84   26967.52
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.22       5.55       2.15
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.27     188.89      45.33
  Conv. Total (cfs)       469177600.0    Conv. (cfs)            292228400.0   23139820.0   153809300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18613.23     378.67   27006.51
  Min Ch El (ft)            565.33    Shear (lb/sq ft)            1.51       3.41       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.86      18.93       1.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    58045.83    2832.59   43845.19
  C & E Loss (ft)             0.00    Cum SA (acres)            698.53      15.03    1042.32


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267920.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.82  761.17 1408.76     760 1916.37     760 2312.28  767.61
 2394.59  767.61 2532.59     770 2741.07     770 2830.46  768.38  3136.2   748.9
 3665.36   721.4 3922.95  712.14 4528.33  700.66 4631.33  703.34 4762.87  707.15
 5551.67  696.77 5749.12  703.69 5993.42  689.68 6031.76  687.61 6705.25  687.61
 6951.86  684.08 7205.61  664.07 7305.67  657.61 7400.89  657.61 7525.29  667.13
  7798.8  695.87 7859.85  697.61 8042.53  692.83 8098.48  692.83 8137.83  691.09
 8269.87  687.99 8350.05  689.68 8479.35   697.6 8716.62  709.55 9105.78  725.22
 9342.08  725.22 9364.37   724.9 9506.88  718.57 9618.95  715.22 10480.8  709.75
10816.68  701.3811125.11   676.6 11153.9  672.4311309.77  662.7911555.37  653.08
11620.52  654.5312060.31  690.1212399.29     71012907.45  717.6112916.09  717.95
13098.89  722.04 13327.1  713.8813392.63  712.6813514.84  714.2413700.39     720
14071.11     72014128.28  714.0514217.44  705.1614498.08  706.3514691.19   723.7
14764.69     73015194.67     730 15733.9  707.1715919.26  672.3315936.36  668.37
16085.05  652.7116282.62  628.51 16304.2  626.7916555.63  620.0116994.44  613.46
17108.04  612.3919471.43  612.3919690.93     62020064.79     62020468.71  597.17
20638.94  597.1720732.27  594.7820982.45  592.3921520.11  590.0321527.48  588.76
21565.21     58021601.78  574.5121648.66  569.5921695.55  565.3321903.92  571.83
21942.21     58022021.88  611.1622080.92  621.8522278.28  661.2722338.66  665.33
22619.83  674.2322694.81  677.8823529.58  729.6623809.46  733.4124232.35  731.45
24481.18  734.7824707.33  731.2825218.06  715.78 25254.4   712.825528.08   694.6
25675.68  692.0525722.08  694.3325770.68  694.3326016.38  701.9626384.71     711
26531.85  715.5626785.85  728.2227279.77  743.5527487.77  747.9327864.69  744.19
28241.37  732.9328297.61   731.829008.73  724.1629075.51  724.7830102.73  724.78
30465.35  732.3931898.47  709.5632369.37  717.1733110.31  717.1734018.49  714.78
34184.38  714.7834536.92  716.6134644.57  715.4535013.95  709.5635424.34  709.56
35962.32     700   35968  699.3836115.09  646.7536274.44  607.1736298.79  608.53
 36410.3  616.1136880.17  629.3337298.82  690.8237387.84  702.8337818.04  705.04
37963.31  701.0138017.68  701.2938393.51  712.7738871.02  719.6439167.66  722.39
39638.14  723.3640009.95  739.3640231.61  739.81 40321.4  737.4740770.95  724.78
41365.44     74041707.57  730.8642026.23  724.7442151.82  721.3942220.41  718.92
42322.56  717.9742665.43  725.0442831.25     73042916.03     73043917.57  709.12
44011.05  706.0844225.55  703.57 44451.3  708.5544531.46  707.6144732.96  707.61
44759.78  707.9444928.85  706.4145199.71  700.6745836.41  682.5545971.25  681.57
46188.49   689.746303.77  694.8546823.15  725.6947116.36  731.79 48067.3  739.65
 48232.6  741.9748706.74  749.4948836.18  755.0949674.07     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521565.21     .1521942.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21565.2121942.21             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.49    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.35    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1548214.00   71210.73   1222174.00
  E.G. Slope (ft/ft)      0.000291    Area (sq ft)            1548214.00   71210.73   1222174.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4985589.00   394918.50   2622626.00
  Top Width (ft)          45943.35    Top Width (ft)          18592.97     377.00   26973.38
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.22       5.55       2.15
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.27     188.89      45.31
  Conv. Total (cfs)       469109500.0    Conv. (cfs)            292233900.0   23148430.0   153727100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18613.89     378.82   27012.34
  Min Ch El (ft)            565.33    Shear (lb/sq ft)            1.51       3.42       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.87      18.94       1.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    57868.48    2824.44   43705.17
  C & E Loss (ft)             0.00    Cum SA (acres)            696.40      14.99    1039.23


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267915.*

INPUT
Description:
Station Elevation Data    num=     174
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.85  761.18 1408.79     760 1916.42     760 2312.33  767.59
  2394.64  767.59 2532.64    770 2741.13     770 2830.52  768.36 3136.27  748.87
  3665.45  721.41 3923.04  712.16 4528.43  700.66 4631.43  703.33 4762.97  707.12
  5551.79  696.74 5749.25  703.63 5993.56  689.65  6031.9  687.59  6705.4  687.59
  6952.02  684.02 7205.77  664.03 7305.83  657.59 7401.05  657.59 7525.46  667.08
  7798.97  695.83 7860.03  697.59 8042.71  692.76 8098.66  692.76 8138.02  691.02
  8270.06  687.97 8350.24  689.67 8479.54   697.6 8716.82  709.55 9105.98  725.18
  9342.29  725.18 9364.58  724.85 9507.09  718.52 9619.16  715.1810481.03  709.72
 10816.92   701.311125.36  676.5211154.15  672.3311310.02  662.7211555.63  653.11
 11620.78  654.5812060.58  690.1812399.57    71012907.74  717.5912916.38  717.93
 13099.18  721.96 13327.4  713.7813392.93  712.5813515.14  714.18 13700.7     720
 14071.42     720 14128.6  714.0714217.76  705.2114498.41  706.4114691.51  723.72
 14765.02     73015195.01     73015734.25  707.2415919.61   672.515936.72  668.55
 16085.41  652.8616282.98  628.5716304.57  626.86   16556  620.0416994.82  613.48
 17108.42  612.4119471.87  612.4119691.37     62020065.23     62020469.16  597.24
  20639.4  597.2420732.73  594.8220982.91  592.4121520.59  590.0321527.96  588.76
 21565.69     58021602.39   574.521649.44  569.5821696.49  565.3321904.61  571.84
 21942.85     58022022.53  611.2822081.59  621.9422278.98  661.2822339.38  665.34
 22620.61  674.1622695.61  677.7923530.54  729.5623810.48  733.3424233.46  731.46
 24482.35  734.8224708.54   731.325219.38  715.7425255.72  712.7725529.45  694.61
 25677.09  692.17 25723.5  694.4725772.11  694.4726017.85  702.0726386.26  711.05
 26533.44  715.6126787.48  728.2927281.51  743.5727489.55  747.9127866.55  744.13
 28243.31  732.8628299.55  731.7429010.83   724.229077.62  724.8230105.05  724.82
 30467.74  732.4131901.16  709.6532372.15  717.2433113.25  717.2434021.62  714.82
 34187.54  714.8234540.16  716.6734647.82  715.5235017.28  709.6535427.76  709.65
 35965.84     70035971.53  699.3736118.64  646.6936278.04  607.2436302.38   608.6
 36413.92  616.1736883.89  629.4237302.62  690.7937391.66  702.7637821.95  704.96
 37967.25  700.8838021.62  701.1638397.54  712.7338875.14  719.6439171.85  722.41
 39642.43   723.440014.32  739.3540236.02  739.8140325.82  737.4740775.47  724.82
 41370.08     74041712.28  730.8942031.01  724.8242156.62  721.4742225.23     719
  42327.4  718.0442670.34  725.05 42836.2     73042920.99     73043922.74  709.18
 44016.23  706.1344230.79  703.6144456.58  708.5344536.75  707.59 44738.3  707.59
 44765.12  707.9244934.22  706.4345205.14   700.745841.98  682.5845976.84  681.59
 46194.12  689.6746309.43  694.8146828.92  725.6547122.18  731.7948073.32  739.64
 48238.66  741.9648712.89  749.4848842.36  755.0849680.42     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521565.69     .1521942.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21565.6921942.85             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.49    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.35    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1548257.00   71239.20   1221939.00
  E.G. Slope (ft/ft)      0.000291    Area (sq ft)            1548257.00   71239.20   1221939.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4986282.00   395119.40   2621731.00
  Top Width (ft)          45949.99    Top Width (ft)          18593.75     377.16   26979.08
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.22       5.55       2.15
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.27     188.88      45.29
  Conv. Total (cfs)       469053600.0    Conv. (cfs)            292239800.0   23157460.0   153656400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18614.63     378.98   27018.01
  Min Ch El (ft)            565.33    Shear (lb/sq ft)            1.51       3.42       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.87      18.95       1.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    57691.12    2816.28   43565.18
  C & E Loss (ft)             0.00    Cum SA (acres)            694.27      14.94    1036.14


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267910.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.88  761.19 1408.82     760 1916.46     760 2312.38  767.56
  2394.7  767.56  2532.7    770 2741.19     770 2830.59  768.35 3136.34  748.84
 3665.53  721.42 3923.13  712.18 4528.54  700.67 4631.53  703.32 4763.08  707.09
 5551.92  696.71 5749.38  703.57 5993.69  689.62 6032.03  687.56 6705.55  687.56
 6952.17  683.96 7205.93  663.98    7306  657.56 7401.22  657.56 7525.62  667.02
 7799.14  695.79 7860.21  697.56 8042.89  692.69 8098.84  692.69  8138.2  690.96
 8270.24  687.95 8350.43  689.67 8479.73  697.61 8717.02  709.55 9106.19  725.13
  9342.5  725.13 9364.79   724.8  9507.3  718.46 9619.38  715.1310481.27  709.69
 10817.17  701.2211125.61  676.44 11154.4  672.2311310.28  662.6511555.88  653.14
 11621.04  654.6212060.85  690.2412399.85    71012908.03  717.5612916.67  717.91
 13099.48  721.88 13327.7  713.6713393.23  712.4813515.44  714.13   13701     720
 14071.74     72014128.91  714.0914218.08  705.2614498.73  706.4714691.84  723.74
 14765.35     73015195.35    73015734.61  707.3115919.97  672.6815937.08  668.73
 16085.77     65316283.34  628.6416304.93  626.9216556.37  620.07 16995.2   613.5
 17108.8  612.44 19472.3  612.4419691.81    62020065.68     62020469.62  597.31
 20639.87  597.3120733.19  594.8720983.38  592.4421521.07  590.0321528.45  588.76
 21566.17     580   21603  574.4921650.21  569.5721697.42  565.3321905.29  571.86
 21943.49     58022023.19  611.3922082.26  622.0322279.69  661.2922340.11  665.36
 22621.39  674.08 22696.4  677.7123531.51  729.4623811.51  733.2824234.57  731.48
 24483.51  734.8724709.75  731.3125220.69   715.725257.05  712.7325530.83  694.63
  25678.5  692.2825724.92  694.6125773.54  694.6126019.33  702.1926387.82  711.11
 26535.02  715.6526789.12  728.3527283.25  743.5927491.33  747.8927868.41  744.07
 28245.25  732.79 28301.5  731.6729012.93  724.2429079.73  724.8730107.37  724.87
 30470.14  732.4431903.85  709.7432374.94  717.3133116.19  717.3134024.75  714.87
  34190.7  714.8734543.39  716.7434651.08   715.635020.61  709.7435431.18  709.74
 35969.37     70035975.06  699.37 36122.2  646.6436281.63  607.3136305.98  608.66
 36417.54  616.2336887.61  629.5237306.42  690.7537395.49  702.6937825.86  704.89
  37971.2  700.7638025.58  701.0338401.57  712.6938879.27  719.6439176.04  722.44
 39646.71  723.4340018.68  739.3440240.43  739.8140330.25  737.4840779.98  724.87
 41374.73     740   41717  730.9242035.79   724.942161.43  721.5642230.05  719.09
 42332.24  718.1242675.24  725.0742841.14     73042925.95     73043927.91  709.24
 44021.42  706.1944236.02  703.6444461.86  708.5244542.05  707.5644743.64  707.56
 44770.46   707.9 44939.6  706.4445210.57  700.7345847.54   682.645982.43  681.61
 46199.76  689.6546315.09  694.7646834.68  725.6147128.01  731.7848079.34  739.64
 48244.71  741.9648719.05  749.4848848.54  755.0649686.78     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521566.17     .1521943.49     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      21566.1721943.49             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.49    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.34    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1548292.00   71266.41   1221646.00
  E.G. Slope (ft/ft)      0.000291    Area (sq ft)            1548292.00   71266.41   1221646.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4987105.00   395322.80   2620706.00
  Top Width (ft)          45956.70    Top Width (ft)          18594.44     377.32   26984.95
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.22       5.55       2.15
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.27     188.88      45.27
  Conv. Total (cfs)       468982800.0    Conv. (cfs)            292243800.0   23165870.0   153573100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18615.29     379.14   27023.83
  Min Ch El (ft)            565.33    Shear (lb/sq ft)            1.51       3.42       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.87      18.96       1.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    57513.75    2808.12   43425.21
  C & E Loss (ft)             0.00    Cum SA (acres)            692.14      14.90    1033.05


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267905.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.91  761.2 1408.85     760  1916.5     760 2312.43  767.54
 2394.75  767.54 2532.76    770 2741.25     770 2830.65  768.33 3136.41  748.82
 3665.61  721.44 3923.21  712.2 4528.64  700.68 4631.64  703.31 4763.19  707.07
 5552.04  696.68  5749.5  703.51 5993.83  689.59 6032.17  687.54  6705.7  687.54
 6952.33  683.91 7206.09  663.94 7306.16  657.54 7401.38  657.54 7525.79  666.97
 7799.32  695.75 7860.38  697.54 8043.07  692.62 8099.02  692.62 8138.38  690.89
 8270.43  687.93 8350.61  689.67 8479.92  697.62 8717.21  709.55 9106.39  725.08
 9342.71  725.08    9365  724.75 9507.52   718.4 9619.59  715.08 10481.5  709.66
10817.41  701.1311125.86  676.3511154.65  672.1311310.53  662.5811556.14  653.17
 11621.3  654.6712061.12  690.3112400.12     71012908.32  717.5412916.96  717.88
13099.77   721.8   13328  713.5713393.53  712.3813515.75  714.0713701.31     720
14072.05     72014129.23  714.11 14218.4  705.3114499.06  706.5314692.17  723.76
14765.68     73015195.69     73015734.96  707.3815920.33  672.8615937.43  668.91
16086.13  653.1516283.71   628.7 16305.3  626.9916556.74   620.116995.58  613.52
17109.19  612.4619472.74  612.4619692.25     62020066.13     62020470.08  597.38
20640.33  597.3820733.66  594.9220983.85  592.4621521.55  590.0321528.93  588.77
21566.66     58021603.61  574.4721650.98  569.5621698.36  565.3321905.98  571.88
21944.13     58022023.85  611.5122082.93  622.11 22280.4  661.3122340.83  665.37
22622.17  674.01 22697.2  677.6223532.47  729.3623812.53  733.2124235.68  731.49
24484.67  734.9224710.96  731.3225222.01  715.6625258.37  712.6925532.21  694.65
25679.91   692.425726.34  694.7525774.96  694.7526020.81  702.3126389.37  711.17
26536.61   715.726790.76  728.4227284.99  743.6127493.11  747.8727870.27  744.02
28247.18  732.7228303.45   731.629015.02  724.2829081.84  724.9230109.69  724.92
30472.54  732.4631906.54  709.8432377.73  717.3833119.13  717.3834027.88  714.92
34193.87  714.9234546.63   716.834654.34  715.6835023.95  709.84 35434.6  709.84
 35972.9     70035978.59  699.3636125.77  646.5936285.22  607.3836309.58  608.73
36421.16  616.2936891.32  629.6137310.23  690.7237399.31  702.6237829.77  704.81
37975.14  700.6338029.53  700.9138405.59  712.65 38883.4  719.6339180.23  722.46
   39651  723.4640023.04  739.3440244.84  739.8140334.68  737.49 40784.5  724.92
41379.37     74041721.71  730.9542040.56  724.9742166.23  721.6542234.87  719.18
42337.07   718.242680.15  725.0842846.08     73042930.91     73043933.07  709.31
44026.61  706.2544241.25  703.6844467.13   708.544547.34  707.5444748.97  707.54
 44775.8  707.8844944.98  706.45   45216  700.76 45853.1  682.6345988.02  681.62
 46205.4  689.6246320.75  694.7246840.45  725.5647133.84  731.7848085.37  739.64
48250.77  741.95 48725.2  749.4748854.73  755.0549693.13     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521566.66     .1521944.13     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21566.6621944.13             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.49    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.34    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1548324.00   71292.37   1221350.00
  E.G. Slope (ft/ft)      0.000291    Area (sq ft)            1548324.00   71292.37   1221350.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4987926.00   395522.20   2619686.00
  Top Width (ft)          45963.27    Top Width (ft)          18595.15     377.47   26990.65
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.22       5.55       2.14
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.26     188.87      45.25
  Conv. Total (cfs)       468910300.0    Conv. (cfs)            292246800.0   23173980.0   153489600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18615.97     379.28   27029.49
  Min Ch El (ft)            565.33    Shear (lb/sq ft)            1.51       3.42       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.87      18.96       1.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    57336.39    2799.95   43285.29
  C & E Loss (ft)             0.00    Cum SA (acres)            690.01      14.86    1029.96


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267900.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.93  761.21 1408.88     760 1916.54     760 2312.48  767.52
  2394.8  767.52 2532.81    770 2741.32     770 2830.71  768.32 3136.48  748.79
 3665.69  721.45  3923.3  712.22 4528.74  700.68 4631.74   703.3 4763.29  707.04
 5552.16  696.65 5749.63  703.44 5993.96  689.56  6032.3  687.52 6705.85  687.52
 6952.49  683.85 7206.26   663.9 7306.32  657.52 7401.55  657.52 7525.96  666.92
 7799.49  695.71 7860.56  697.52 8043.25  692.55  8099.2  692.55 8138.56  690.83
 8270.61  687.91  8350.8  689.66 8480.11  697.63 8717.41  709.55 9106.59  725.04
 9342.91  725.04 9365.21   724.7 9507.73  718.34 9619.81  715.0410481.74  709.63
10817.65  701.0511126.11  676.27 11154.9  672.0311310.78  662.51 11556.4   653.2
11621.56  654.7112061.39  690.37 12400.4     71012908.61  717.5212917.25  717.86
13100.06  721.72 13328.3  713.4613393.83  712.2813516.05  714.0113701.62     720
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14072.37     72014129.54  714.1314218.71  705.3614499.38   706.6 14692.5  723.78
14766.01     73015196.03     73015735.31  707.4515920.68  673.0415937.79  669.09
16086.49   653.316284.07  628.7716305.66  627.0516557.11  620.1316995.96  613.54
17109.57  612.4819473.17  612.4819692.69     62020066.58     62020470.54  597.45
20640.79  597.4520734.12  594.9620984.32  592.4821522.03  590.0321529.41  588.77
21567.14     58021604.22  574.4621651.76  569.55 21699.3  565.3321906.66   571.9
21944.77     580 22024.5  611.63 22083.6   622.222281.11  661.3222341.55  665.38
22622.95  673.9322697.99  677.5423533.44  729.2623813.55  733.1524236.79  731.51
24485.83  734.9624712.17  731.3325223.32  715.6225259.69  712.6525533.59  694.66
25681.32  692.5225727.76  694.8925776.39  694.8926022.29  702.4226390.93  711.23
 26538.2  715.7426792.39  728.4927286.72  743.6327494.89  747.8527872.13  743.96
28249.12  732.64 28305.4  731.5429017.12  724.3329083.95  724.9630112.01  724.96
30474.93  732.4831909.23  709.9332380.52  717.4533122.07  717.45   34031  714.96
34197.03  714.9634549.86  716.8734657.59  715.7535027.28  709.9335438.02  709.93
35976.43     70035982.12  699.3536129.32  646.5436288.81  607.4536313.18  608.79
36424.78  616.3536895.04   629.737314.03  690.6937403.13  702.5537833.68  704.73
37979.07   700.538033.48  700.7838409.62  712.6138887.53  719.6339184.41  722.48
39655.28  723.49 40027.4  739.3340249.24  739.8140339.11   737.540789.02  724.96
41384.01     74041726.42  730.9842045.34  725.0542171.03  721.7442239.68  719.27
42341.91  718.2842685.06   725.142851.02     73042935.88     73043938.24  709.37
44031.79  706.3144246.48  703.7144472.41  708.4944552.64  707.5244754.31  707.52
44781.15  707.8644950.35  706.4645221.44  700.7845858.66  682.6545993.61  681.64
46211.03  689.5946326.41  694.6746846.21  725.5247139.66  731.7748091.39  739.63
48256.83  741.9448731.36  749.4748860.91  755.0349699.48     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521567.14     .1521944.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21567.1421944.77             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.49    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.34    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1548367.00   71319.19   1221116.00
  E.G. Slope (ft/ft)      0.000291    Area (sq ft)            1548367.00   71319.19   1221116.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4988638.00   395710.80   2618784.00
  Top Width (ft)          45969.99    Top Width (ft)          18595.84     377.63   26996.52
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.22       5.55       2.14
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.26     188.86      45.23
  Conv. Total (cfs)       468854300.0    Conv. (cfs)             292253600.0   23182260.0   153418500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18616.63     379.44   27035.32
  Min Ch El (ft)            565.33    Shear (lb/sq ft)            1.51       3.42       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.87      18.97       1.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    57159.02    2791.78   43145.39
  C & E Loss (ft)             0.00    Cum SA (acres)            687.88      14.81    1026.87


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267895.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.96  761.22 1408.92     760 1916.59     760 2312.53  767.49
 2394.86  767.49 2532.87     770 2741.38     770 2830.78   768.3 3136.55  748.76
 3665.77  721.46 3923.39  712.24 4528.84  700.69 4631.85  703.29  4763.4  707.01
 5552.29  696.61 5749.76  703.38 5994.09  689.53 6032.44  687.49    6706  687.49
 6952.64  683.79 7206.42  663.85 7306.49  657.49 7401.72  657.49 7526.13  666.87
 7799.67  695.66 7860.73  697.49 8043.43  692.48 8099.39  692.48 8138.74  690.76
  8270.8  687.89 8350.99  689.66  8480.3  697.63  8717.6  709.55  9106.8  724.99
 9343.12  724.99 9365.42  724.65 9507.94  718.29 9620.02  714.9910481.97   709.6
10817.89  700.9611126.36  676.1911155.15  671.9311311.04  662.4411556.66  653.23
11621.82  654.7612061.66  690.4312400.68     710 12908.9  717.4912917.54  717.83
13100.35  721.64 13328.6  713.3613394.13  712.1813516.35  713.9613701.92     720
14072.68     72014129.86  714.1414219.03  705.41 14499.7  706.6614692.83   723.8
14766.34     73015196.37     73015735.66  707.5215921.04  673.2115938.15  669.27
16086.85  653.4416284.44  628.8416306.03  627.1216557.48  620.1616996.34  613.56
17109.95  612.5119473.61  612.5119693.13     62020067.03     620   20471  597.52
20641.25  597.5220734.58  595.0120984.79  592.5121522.51  590.0321529.89  588.77
21567.62     58021604.83  574.4521652.53  569.5321700.23  565.3221907.35  571.91
21945.41     58022025.16  611.7522084.26  622.2922281.82  661.3322342.27   665.4
22623.73  673.8622698.79  677.4523534.41  729.1623814.58  733.08 24237.9  731.52
   24487  735.0124713.38  731.3525224.63  715.5825261.01  712.6125534.97  694.68
25682.72  692.6425729.17  695.0425777.82  695.0426023.77  702.5426392.48  711.29
26539.78  715.7826794.03  728.5627288.46  743.6527496.68  747.8327873.99   743.9
28251.06  732.5728307.35  731.4729019.21  724.3729086.06  725.0130114.33  725.01
30477.33  732.5131911.92  710.0232383.31  717.5233125.01  717.5234034.13  715.01
34200.19  715.01 34553.1  716.9334660.85  715.8335030.61  710.0235441.43  710.02
35979.96     70035985.65  699.3536132.88  646.4936292.41  607.5236316.77  608.86
 36428.4  616.4136898.76  629.7937317.83  690.6537406.95  702.4837837.59  704.66
37983.02  700.3838037.43  700.6538413.65  712.5838891.65  719.6339188.61  722.51
39659.57  723.5340031.77  739.3240253.65   739.840343.53   737.540793.54  725.01
41388.65     74041731.13     73142050.12  725.1342175.84  721.83 42244.5  719.35
42346.75  718.3642689.97  725.1142855.97     73042940.84     73043943.41  709.44
44036.98  706.3744251.71  703.7544477.69  708.4844557.93  707.4944759.64  707.49
44786.49  707.8444955.73  706.4745226.87  700.8145864.23  682.68 45999.2  681.65
46216.67  689.5646332.07  694.6346851.98  725.4847145.49  731.7748097.41  739.63
48262.88  741.9448737.51  749.4648867.09  755.0149705.84     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521567.62     .1521945.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21567.6221945.41             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.49    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.34    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1548409.00   71349.84   1220815.00
  E.G. Slope (ft/ft)      0.000291    Area (sq ft)            1548409.00   71349.84   1220815.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4989470.00   395941.30   2617722.00
  Top Width (ft)          45976.79    Top Width (ft)          18596.61     377.79   27002.39
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.22       5.55       2.14
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  Max Chl Dpth (ft)          194.02    Hydr. Depth (ft)           83.26     188.86      45.21
  Conv. Total (cfs)        468784800.0    Conv. (cfs)            292259000.0    23192330.0   153333500.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18617.36     379.60   27041.16
  Min Ch El (ft)             565.32    Shear (lb/sq ft)            1.51       3.42       0.82
  Alpha                        1.20    Stream Power (lb/ft s)      4.88      18.98       1.76
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    56981.64    2783.61   43005.52
  C & E Loss (ft)              0.00    Cum SA (acres)            685.75      14.77    1023.78


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267890.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1236.99  761.23 1408.95     760 1916.63     760 2312.59  767.47
 2394.91  767.47 2532.93     770 2741.44     770 2830.84  768.28 3136.62  748.73
 3665.86  721.48 3923.48  712.26 4528.94   700.7 4631.95  703.28 4763.51  706.98
 5552.41  696.58 5749.89  703.32 5994.23   689.5 6032.57  687.47 6706.15  687.47
  6952.8  683.73 7206.58  663.81 7306.65  657.47 7401.88  657.47  7526.3  666.81
 7799.84  695.62 7860.91  697.47 8043.61  692.41 8099.57  692.41 8138.93   690.7
 8270.98  687.88 8351.17  689.66 8480.49  697.64 8717.79  709.55    9107  724.94
 9343.33  724.94 9365.62   724.6 9508.16  718.23 9620.24  714.9410482.21  709.57
10818.13  700.8811126.61  676.11 11155.4  671.8311311.29  662.3711556.92  653.26
11622.08   654.812061.93  690.4912400.96     71012909.19  717.4712917.83  717.81
13100.65  721.5713328.89  713.2513394.43  712.0813516.65   713.913702.23     720
   14073     72014130.18  714.1614219.35  705.4614500.03  706.7214693.16  723.82
14766.67     73015196.71     73015736.01  707.5915921.39  673.39 15938.5  669.45
16087.21  653.59 16284.8   628.916306.39  627.1916557.85  620.1916996.72  613.59
17110.33  612.5319474.04  612.5319693.57     62020067.48     62020471.45  597.59
20641.71  597.5920735.05  595.0620985.26  592.5321522.99  590.0321530.37  588.78
 21568.1     58021605.44  574.43 21653.3  569.5221701.17  565.3221908.04  571.93
21946.05     58022025.81  611.8722084.93  622.3722282.53  661.3422342.99  665.41
22624.51  673.7822699.58  677.3723535.37  729.06 23815.6  733.0224239.01  731.54
24488.16  735.0624714.58  731.3625225.95  715.5425262.33  712.5725536.35   694.7
25684.13  692.7625730.59  695.1825779.25  695.1826025.25  702.6626394.04  711.35
26541.37  715.8326795.67  728.62 27290.2  743.6727498.46  747.8127875.85  743.85
   28253   732.5 28309.3   731.429021.31  724.4129088.17  725.0630116.65  725.06
30479.72  732.5331914.62  710.1232386.09  717.5933127.95  717.5934037.26  715.06
34203.35  715.0634556.33     71734664.11   715.935033.95  710.1235444.85  710.12
35983.48     70035989.18  699.3436136.45  646.44   36296  607.5936320.37  608.93
36432.02  616.4736902.48  629.8837321.64  690.6237410.77  702.41 37841.5  704.58
37986.96  700.2538041.38  700.5338417.68  712.5438895.78  719.6239192.79  722.53
39663.85  723.5640036.13  739.3240258.06   739.840347.96  737.5140798.06  725.06
41393.29     74041735.84  731.0342054.89  725.2142180.64  721.9242249.32  719.44
42351.59  718.4442694.88  725.1342860.91     730 42945.8     73043948.57   709.5
44042.17  706.4344256.94  703.7844482.96  708.4644563.22  707.4744764.98  707.47
44791.83  707.82 44961.1  706.48 45232.3  700.8445869.79   682.746004.79  681.67
 46222.3  689.5346337.73  694.5846857.75  725.4447151.32  731.7648103.43  739.63
48268.94  741.9348743.66  749.4648873.27     75549712.19     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21568.1     .1521946.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21568.121946.05             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.49    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.34    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                       Flow Area (sq ft)       1548448.00   71377.59   1220522.00
  E.G. Slope (ft/ft)       0.000292    Area (sq ft)            1548448.00   71377.59   1220522.00
  Q Total (cfs)            8003133.00    Flow (cfs)             4990288.00   396148.30   2616697.00
  Top Width (ft)           45983.42    Top Width (ft)          18597.39     377.95   27008.08
  Vel Total (ft/s)             2.82    Avg. Vel. (ft/s)            3.22       5.55       2.14
  Max Chl Dpth (ft)          194.02    Hydr. Depth (ft)           83.26     188.85      45.19
  Conv. Total (cfs)        468715200.0    Conv. (cfs)            292263500.0    23201010.0   153250700.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18618.11     379.75   27046.82
  Min Ch El (ft)             565.32    Shear (lb/sq ft)            1.51       3.42       0.82
  Alpha                        1.20    Stream Power (lb/ft s)      4.88      18.99       1.76
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    56804.26    2775.44   42865.69
  C & E Loss (ft)              0.00    Cum SA (acres)            683.62      14.73    1020.68


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267885.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.02  761.25 1408.98     760 1916.67     760 2312.64  767.45
 2394.97  767.45 2532.98     770  2741.5     770  2830.9  768.27 3136.69  748.71
 3665.94  721.49 3923.57  712.29 4529.04   700.7 4632.05  703.27 4763.61  706.95
 5552.54  696.55 5750.02  703.26 5994.36  689.47 6032.71  687.45  6706.3  687.45
 6952.95  683.67 7206.74  663.77 7306.81  657.45 7402.05  657.45 7526.47  666.76
 7800.02  695.58 7861.08  697.45 8043.79  692.34 8099.75  692.34 8139.11  690.63
 8271.17  687.86 8351.36  689.65 8480.68  697.65 8717.99  709.55  9107.2  724.89
 9343.54  724.89 9365.83  724.55 9508.37  718.17 9620.46  714.8910482.44  709.54
10818.38  700.7911126.86  676.0311155.65  671.7311311.54   662.311557.18  653.29
11622.34  654.85 12062.2  690.5512401.24     71012909.47  717.4512918.12  717.78
13100.94  721.4913329.19  713.1513394.73  711.9813516.96  713.8413702.54     720
14073.31     72014130.49  714.1814219.67  705.5114500.35  706.7814693.49  723.84
   14767     73015197.05     73015736.37  707.6615921.75  673.5715938.86  669.63
16087.57  653.7316285.17  628.9716306.76  627.2516558.22  620.22 16997.1  613.61
17110.72  612.5519474.48  612.5519694.02     62020067.93     62020471.91  597.66
20642.17  597.6620735.51  595.1120985.73  592.5521523.47  590.0321530.86  588.78
21568.59     58021606.05  574.4221654.08  569.5121702.11  565.3221908.72  571.95
21946.69     58022026.47  611.99 22085.6  622.4622283.24  661.3622343.71  665.43
22625.29  673.7122700.37  677.2823536.34  728.9523816.63  732.9524240.12  731.55
24489.32  735.1124715.79  731.3725227.26  715.4925263.66  712.5325537.72  694.71
25685.54  692.8725732.01  695.3225780.68  695.3226026.73  702.7826395.59  711.41
26542.95  715.8726797.31  728.6927291.94  743.6927500.24  747.7927877.71  743.79
28254.93  732.4328311.25  731.33 29023.4  724.4529090.28  725.1130118.97  725.11
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30482.12  732.55 31917.3  710.2132388.88  717.6633130.89  717.6634040.39  715.11
34206.52  715.1134559.57  717.0634667.36  715.9835037.28  710.2135448.27  710.21
35987.01     70035992.71  699.34   36140  646.3936299.59  607.6636323.97  608.99
36435.64  616.53 36906.2  629.9737325.44  690.59 37414.6  702.3437845.41   704.5
 37990.9  700.1338045.34   700.438421.71   712.538899.91  719.6239196.98  722.55
39668.14  723.5940040.49  739.3140262.47   739.840352.38  737.5240802.58  725.11
41397.93     74041740.55  731.0642059.67  725.2942185.45     72242254.14  719.53
42356.43  718.5142699.79  725.1442865.86     73042950.76     73043953.74  709.57
44047.36  706.4944262.17  703.8244488.24  708.4544568.52  707.4544770.31  707.45
44797.17   707.844966.48  706.4945237.73  700.8745875.35  682.7346010.38  681.68
46227.94   689.546343.39  694.5346863.51  725.3947157.14  731.7648109.46  739.62
   48275  741.9348749.82  749.4548879.45  754.9849718.55     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521568.59     .1521946.69     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21568.5921946.69             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.48    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.34    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1548495.00   71402.69   1220266.00
  E.G. Slope (ft/ft)      0.000292    Area (sq ft)            1548495.00   71402.69   1220266.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4991067.00   396330.60   2615736.00
  Top Width (ft)          45990.07    Top Width (ft)          18598.02     378.10   27013.95
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.22       5.55       2.14
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.26     188.85      45.17
  Conv. Total (cfs)       468655900.0    Conv. (cfs)             292272100.0   23208750.0   153175000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18618.71     379.90   27052.65
  Min Ch El (ft)            565.32    Shear (lb/sq ft)            1.51       3.42       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.88      18.99       1.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    56626.88    2767.26   42725.89
  C & E Loss (ft)             0.00    Cum SA (acres)            681.49      14.68    1017.59


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267880.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.04  761.26 1409.01     760 1916.72     760 2312.69  767.42
 2395.02  767.42 2533.04     770 2741.56     770 2830.97  768.25 3136.76  748.68
 3666.02  721.51 3923.65  712.31 4529.14  700.71 4632.16  703.26 4763.72  706.93
 5552.66  696.52 5750.15   703.2  5994.5  689.44 6032.84  687.42 6706.45  687.42
 6953.11  683.61  7206.9  663.72 7306.98  657.42 7402.21  657.42 7526.63  666.71
 7800.19  695.54 7861.26  697.42 8043.97  692.27 8099.93  692.27 8139.29  690.57
 8271.35  687.84 8351.55  689.65 8480.87  697.66 8718.19  709.56 9107.41  724.85
 9343.75  724.85 9366.04   724.5 9508.58  718.12 9620.67  714.8510482.67  709.51
10818.62  700.7111127.11  675.94 11155.9  671.6311311.79  662.2311557.44  653.32
 11622.6  654.8912062.47  690.6112401.51     71012909.76  717.42 12918.4  717.76
13101.23  721.4113329.49  713.0513395.03  711.8813517.26  713.7913702.84     720
14073.63     72014130.81   714.214219.99  705.5614500.68  706.8414693.82  723.86
14767.33     73015197.39     73015736.72  707.7315922.11  673.7515939.22  669.81
16087.93  653.8816285.53  629.0416307.12  627.3216558.59  620.2516997.48  613.63
 17111.1  612.5819474.92  612.5819694.46     62020068.38     62020472.37  597.73
20642.64  597.7320735.97  595.15 20986.2  592.5821523.96  590.0321531.34  588.79
21569.07     58021606.66   574.421654.85   569.521703.04  565.3221909.41  571.97
21947.33     58022027.12  612.1122086.27  622.5522283.95  661.3722344.43  665.44
22626.07  673.6422701.17  677.1923537.31  728.8523817.65  732.8924241.24  731.56
24490.48  735.15   24717  731.3925228.58  715.4525264.98  712.49 25539.1  694.73
25686.95  692.9925733.43  695.46 25782.1  695.4626028.21  702.8926397.15  711.46
26544.54  715.9226798.94  728.7627293.68   743.727502.02  747.7727879.57  743.73
28256.87  732.36 28313.2  731.27 29025.5  724.4929092.38  725.1530121.29  725.15
30484.51  732.58   31920   710.332391.67  717.7333133.84  717.7334043.51  715.15
34209.68  715.15 34562.8  717.1334670.62  716.0535040.61   710.335451.68   710.3
35990.54     70035996.24  699.3336143.56  646.3336303.18  607.7336327.57  609.06
36439.26  616.5936909.91  630.0637329.25  690.5537418.42  702.2737849.33  704.42
37994.84     70038049.29  700.2738425.74  712.4638904.04  719.6139201.17  722.58
39672.43  723.6340044.85   739.340266.88   739.840356.81  737.53 40807.1  725.15
41402.57     74041745.27  731.0942064.45  725.3642190.25  722.0942258.95  719.62
42361.27  718.59 42704.7  725.16 42870.8     73042955.72     73043958.91  709.63
44052.54  706.55 44267.4  703.8544493.52  708.4344573.81  707.4244775.65  707.42
44802.51  707.7844971.86   706.545243.16   700.945880.91  682.7546015.97   681.7
46233.57  689.4746349.05  694.4946869.28  725.3547162.97  731.7548115.48  739.62
48281.05  741.9248755.97  749.4548885.63  754.97 49724.9     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521569.07     .1521947.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21569.0721947.33             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.48    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.33    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1548505.00   71430.47   1220018.00
  E.G. Slope (ft/ft)      0.000292    Area (sq ft)            1548505.00   71430.47   1220018.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4991724.00   396537.50   2614872.00
  Top Width (ft)          45996.70    Top Width (ft)          18598.79     378.26   27019.64
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.22       5.55       2.14
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.26     188.84      45.15
  Conv. Total (cfs)       468586800.0    Conv. (cfs)             292267500.0   23217440.0   153101800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18619.44     380.05   27058.32
  Min Ch El (ft)            565.32    Shear (lb/sq ft)            1.51       3.42       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.88      19.00       1.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    56449.49    2759.08   42586.11
  C & E Loss (ft)             0.00    Cum SA (acres)            679.36      14.64    1014.49


CROSS SECTION
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RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267875.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1237.07  761.27 1409.04     760 1916.76     760 2312.74   767.4
  2395.07   767.4  2533.1     770 2741.62     770 2831.03  768.24 3136.83  748.65
   3666.1  721.52 3923.74  712.33 4529.24  700.72 4632.26  703.25 4763.83   706.9
  5552.79  696.49 5750.28  703.13 5994.63  689.41 6032.98   687.4  6706.6   687.4
  6953.26  683.56 7207.06  663.68 7307.14   657.4 7402.38   657.4  7526.8  666.65
  7800.37   695.5 7861.44   697.4 8044.15   692.2 8100.11   692.2 8139.47   690.5
  8271.54  687.82 8351.73  689.65 8481.06  697.66 8718.38  709.56 9107.61   724.8
  9343.96   724.8 9366.25  724.45 9508.79  718.06 9620.89  714.810482.91  709.48
 10818.86  700.6211127.35  675.8611156.15  671.5311312.05  662.1611557.69  653.35
 11622.86  654.9312062.74  690.6712401.79     71012910.05   717.412918.69  717.73
 13101.53  721.3313329.79  712.9413395.32  711.7813517.56  713.7313703.15     720
 14073.94     72014131.12  714.22 14220.3  705.61   14501  706.9114694.14  723.88
 14767.66     73015197.73     73015737.07   707.815922.46  673.9215939.57  669.99
 16088.29  654.0216285.89   629.116307.49  627.3916558.96  620.2816997.86  613.65
 17111.48   612.619475.35   612.6 19694.9     62020068.82     62020472.83   597.8
  20643.1   597.820736.44   595.220986.67   592.621524.44  590.0421531.82  588.79
 21569.55     58021607.27  574.3921655.62  569.4921703.98  565.3221910.09  571.99
 21947.97     58022027.78  612.2322086.94  622.6322284.65  661.3822345.15  665.46
 22626.85  673.5622701.96  677.1123538.27  728.7523818.68  732.8224242.35  731.58
 24491.65   735.224718.21   731.425229.89  715.41 25266.3  712.4525540.48  694.75
 25688.36  693.1125734.85   695.625783.53   695.626029.69  703.01 26398.7  711.52
 26546.12  715.9626800.58  728.8227295.42  743.72 27503.8  747.7527881.43  743.68
 28258.81  732.2928315.15   731.229027.59  724.5329094.49   725.230123.62   725.2
 30486.91   732.631922.69   710.432394.46   717.833136.78   717.834046.64   715.2
 34212.84   715.234566.04  717.1934673.88  716.1335043.95   710.4 35455.1   710.4
 35994.07     70035999.77  699.3236147.12  646.2836306.77   607.836331.16  609.12
 36442.88  616.6536913.63  630.1637333.05  690.5237422.24   702.237853.24  704.35
 37998.78  699.8738053.24  700.1438429.77  712.4238908.16  719.6139205.36   722.6
 39676.71  723.6640049.21   739.340271.29   739.840361.23  737.5440811.62   725.2
 41407.21     74041749.98  731.1242069.23  725.4442195.05  722.1842263.77   719.7
 42366.11  718.6742709.61  725.1842875.74     73042960.68     73043964.08  709.69
 44057.73  706.6144272.63  703.89 44498.8  708.4244579.11   707.444780.98   707.4
 44807.85  707.7644977.23  706.5145248.59  700.9345886.48  682.7846021.56  681.71
 46239.21  689.4446354.71  694.4446875.05  725.3147168.79  731.74 48121.5  739.62
 48287.11  741.9148762.13  749.4448891.81  754.9549731.25     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1521569.55     .1521947.97     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21569.5521947.97             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.48    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.33    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1548558.00   71457.77   1219718.00
  E.G. Slope (ft/ft)      0.000292    Area (sq ft)            1548558.00   71457.77   1219718.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4992600.00   396738.40   2613795.00
  Top Width (ft)          46003.41    Top Width (ft)          18599.48     378.42   27025.51
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.22       5.55       2.14
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.26     188.83      45.13
  Conv. Total (cfs)       468520400.0    Conv. (cfs)            292277300.0   23225900.0   153017100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18620.10     380.21   27064.15
  Min Ch El (ft)            565.32    Shear (lb/sq ft)            1.51       3.42       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.88      19.01       1.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    56272.10    2750.89   42446.37
  C & E Loss (ft)             0.00    Cum SA (acres)            677.23      14.60    1011.40


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267870.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800  1237.1  761.28 1409.07     760  1916.8     760 2312.79  767.38
  2395.13  767.38 2533.15     770 2741.68     770 2831.09  768.22  3136.9  748.62
  3666.18  721.53 3923.83  712.35 4529.35  700.72 4632.36  703.24 4763.93  706.87
  5552.91  696.46  5750.4  703.07 5994.77  689.38 6033.11  687.38 6706.75  687.38
  6953.42   683.5 7207.22  663.64  7307.3  657.38 7402.54  657.38 7526.97   666.6
  7800.54  695.46 7861.61  697.38 8044.33  692.13 8100.29  692.13 8139.65  690.44
  8271.72   687.8 8351.92  689.64 8481.25  697.67 8718.58  709.56 9107.82  724.75
  9344.17  724.75 9366.46   724.4 9509.01     718  9621.1  714.7510483.14  709.45
  10819.1  700.54 11127.6  675.78 11156.4  671.43 11312.3  662.0911557.95  653.39
 11623.12  654.9812063.01  690.7312402.07     71012910.34  717.3812918.98  717.71
 13101.82  721.2513330.09  712.8413395.62  711.6813517.86  713.6713703.46     720
 14074.26     72014131.44  714.2414220.62  705.6614501.33  706.9714694.47   723.9
 14767.99     73015198.07     73015737.42  707.8715922.82   674.115939.93  670.17
 16088.65  654.1716286.26  629.1716307.85  627.4516559.33  620.3216998.24  613.67
 17111.87  612.6219475.79  612.6219695.34     62020069.27     62020473.29  597.87
 20643.56  597.87 20736.9  595.2520987.14  592.6221524.92  590.04 21532.3  588.79
 21570.03     58021607.88  574.38 21656.4  569.4821704.92  565.3221910.78     572
 21948.61     58022028.44  612.35 22087.6  622.7222285.36  661.3922345.87  665.47
 22627.62  673.4922702.76  677.0223539.24  728.65 23819.7  732.7624243.46  731.59
 24492.81  735.2524719.42  731.4125231.21  715.3725267.62  712.4125541.86  694.76
 25689.77  693.2325736.27  695.7425784.96  695.7426031.16  703.1326400.26  711.58
 26547.71  716.0126802.22  728.8927297.16  743.7427505.59  747.7327883.29  743.62
 28260.74  732.22 28317.1  731.1329029.69  724.57 29096.6  725.2530125.94  725.25
  30489.3  732.6231925.38  710.4932397.25  717.8733139.71  717.8734049.77  715.25
    34216  715.2534569.27  717.2634677.13   716.235047.28  710.4935458.52  710.49
  35997.6     700 36003.3  699.3236150.68  646.2336310.37  607.8736334.76  609.19
  36446.5  616.7136917.35  630.2537336.85  690.4937426.06  702.1337857.15  704.27
 38002.72  699.7538057.19  700.02 38433.8  712.3838912.29  719.6139209.55  722.62
    39681  723.6940053.58  739.2940275.69   739.840365.66  737.5440816.14  725.25
 41411.86     74041754.69  731.1442074.01  725.5242199.86  722.2742268.59  719.79
 42370.95  718.7542714.52  725.1942880.69     73042965.64     73043969.25  709.76
 44062.91  706.6744277.86  703.9244504.07   708.4 44584.4  707.3844786.32  707.38
 44813.19  707.7444982.61  706.5245254.03  700.9645892.04   682.846027.15  681.73
 46244.84  689.4146360.36   694.446880.81  725.2747174.62  731.7448127.52  739.61
 48293.17  741.9148768.28  749.4448897.99  754.9449737.61     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521570.03     .1521948.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21570.0321948.61             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.48    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.33    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1548601.00   71486.30   1219442.00
  E.G. Slope (ft/ft)      0.000292    Area (sq ft)            1548601.00   71486.30   1219442.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4993382.00   396947.40   2612804.00
  Top Width (ft)          46010.04    Top Width (ft)          18600.25     378.58   27031.20
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.22       5.55       2.14
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.26     188.83      45.11
  Conv. Total (cfs)       468456000.0    Conv. (cfs)            292283000.0   23234950.0   152938100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18620.84     380.36   27069.81
  Min Ch El (ft)            565.32    Shear (lb/sq ft)            1.52       3.42       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.89      19.02       1.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    56094.70    2742.71   42306.66
  C & E Loss (ft)             0.00    Cum SA (acres)            675.10      14.55    1008.30


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267865.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.13  761.29  1409.1     760 1916.84     760 2312.85  767.35
 2395.18  767.35 2533.21    770 2741.75     770 2831.16   768.2 3136.97   748.6
 3666.27  721.55 3923.92  712.37 4529.45  700.73 4632.47  703.23 4764.04  706.84
 5553.03  696.42 5750.53  703.01  5994.9  689.35 6033.25  687.35  6706.9  687.35
 6953.57  683.44 7207.38  663.59 7307.47  657.35 7402.71  657.35 7527.14  666.55
 7800.71  695.42 7861.79  697.35 8044.51  692.06 8100.47  692.06 8139.84  690.37
 8271.91  687.78 8352.11  689.64 8481.44  697.68 8718.77  709.56 9108.02  724.71
 9344.38  724.71 9366.67  724.35 9509.22  717.94 9621.32  714.7110483.38  709.42
10819.34  700.4611127.85  675.711156.65  671.3311312.55  662.0211558.21  653.42
11623.38  655.0212063.28  690.812402.34     71012910.63  717.3512919.27  717.69
13102.11  721.1813330.38  712.7313395.92  711.5813518.16  713.6213703.76     720
14074.57     72014131.76  714.2514220.94  705.7114501.65  707.03 14694.8  723.92
14768.32     73015198.41    73015737.77  707.9415923.17  674.2815940.29  670.35
16089.01  654.3116286.62  629.2316308.22  627.5216559.71  620.3516998.62  613.69
17112.25  612.6519476.22  612.6519695.78     62020069.72     62020473.74  597.94
20644.02  597.9420737.37  595.2920987.61  592.65 21525.4  590.0421532.78   588.8
21570.52     58021608.49  574.3621657.17  569.4721705.86  565.3121911.46  572.02
21949.25     58022029.09  612.4722088.27  622.8122286.07  661.4122346.59  665.49
 22628.4  673.4122703.55  676.9423540.21  728.5523820.72   732.724244.57  731.61
24493.97  735.2924720.63  731.4225232.52  715.3325268.94  712.3725543.24  694.78
25691.18  693.3525737.68  695.8825786.39  695.8826032.64  703.2426401.81  711.64
26549.29  716.0526803.86  728.96 27298.9  743.7627507.37  747.7127885.15  743.56
28262.68  732.1528319.04  731.0729031.79  724.6129098.71  725.2930128.26  725.29
 30491.7  732.6531928.07  710.5932400.03  717.9433142.66  717.94 34052.9  715.29
34219.16  715.29 34572.5  717.3234680.39  716.2835050.61  710.5935461.94  710.59
36001.12     70036006.82  699.3136154.24  646.1836313.96  607.9436338.36  609.26
36450.12  616.7736921.06  630.3437340.66  690.4537429.89  702.0637861.06  704.19
38006.66  699.6238061.14  699.8938437.83  712.3438916.42   719.639213.74  722.65
39685.28  723.7340057.94  739.29 40280.1  739.7940370.09  737.5540820.66  725.29
 41416.5     740 41759.4  731.1742078.79   725.642204.66  722.3642273.41  719.88
42375.79  718.8342719.43  725.2142885.63     73042970.61     73043974.41  709.82
 44068.1  706.7344283.09  703.9644509.35  708.39 44589.7  707.3544791.66  707.35
44818.54  707.7244987.98  706.5445259.46  700.99 45897.6  682.8346032.74  681.74
46250.48  689.3846366.02  694.3546886.58  725.2347180.45  731.7348133.55  739.61
48299.22   741.948774.44  749.4348904.17  754.9249743.96     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521570.52     .1521949.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21570.5221949.25             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.48    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.33    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1548621.00   71513.57   1219161.00
  E.G. Slope (ft/ft)      0.000292    Area (sq ft)            1548621.00   71513.57   1219161.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4994143.00   397158.80   2611832.00
  Top Width (ft)          46016.77    Top Width (ft)          18600.96     378.73   27037.07
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.22       5.55       2.14
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.25     188.82      45.09
  Conv. Total (cfs)       468383300.0    Conv. (cfs)            292282100.0   23243720.0   152857400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18621.52     380.51   27075.65
  Min Ch El (ft)            565.31    Shear (lb/sq ft)            1.52       3.43       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.89      19.02       1.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    55917.30    2734.51   42166.99
  C & E Loss (ft)             0.00    Cum SA (acres)            672.97      14.51    1005.21


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267860.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.15   761.3 1409.14     760 1916.89     760  2312.9  767.33
 2395.23  767.33 2533.27    770 2741.81     770 2831.22  768.19 3137.04  748.57
 3666.35  721.56    3924  712.39 4529.55  700.74 4632.57  703.22 4764.15  706.81
 5553.16  696.39 5750.66  702.95 5995.03  689.32 6033.38  687.33 6707.05  687.33
 6953.73  683.38 7207.55  663.55 7307.63  657.33 7402.87  657.33 7527.31   666.5
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 7800.89  695.38 7861.96  697.33 8044.69  691.99 8100.65  691.99 8140.02  690.31
 8272.09  687.76 8352.29  689.64 8481.63  697.69 8718.96  709.56 9108.22  724.66
 9344.59  724.66 9366.88   724.3 9509.43  717.89 9621.53  714.6610483.61  709.39
10819.59  700.37 11128.1  675.62 11156.9  671.2311312.81  661.9511558.47  653.45
11623.64  655.0712063.55  690.8612402.62      71012910.92  717.3312919.56  717.66
13102.41   721.113330.68  712.6313396.22  711.4713518.47  713.5613704.07     720
14074.89      72014132.07  714.2714221.26  705.7614501.97  707.0914695.13  723.94
14768.65      73015198.75     73015738.13  708.0115923.53  674.4615940.64  670.53
16089.37  654.4616286.99   629.316308.58  627.5916560.08  620.38   16999  613.71
17112.63  612.6719476.66  612.6719696.22      62020070.17     620 20474.2  598.01
20644.48  598.0120737.83  595.3420988.08  592.6721525.88  590.0421533.26   588.8
   21571      580 21609.1  574.3521657.94  569.4621706.79  565.3121912.15  572.04
21949.88      58022029.75  612.5922088.94  622.8922286.78  661.4222347.31   665.5
22629.18  673.3422704.35  676.8523541.17  728.4523821.75  732.6324245.68  731.62
24495.13  735.3424721.84  731.4425233.84  715.2925270.27  712.3325544.61   694.8
25692.59  693.46 25739.1  696.0225787.82  696.0226034.12  703.3626403.37   711.7
26550.88   716.126805.49  729.0227300.64  743.7827509.15  747.6927887.01   743.5
28264.62  732.0828320.99     73129033.88  724.6529100.82  725.3430130.58  725.34
 30494.1  732.6731930.76  710.6832402.82  718.01 33145.6  718.0134056.02  715.34
34222.32  715.3434575.74  717.3834683.64  716.3635053.94  710.6835465.35  710.68
36004.66      70036010.36   699.3 36157.8  646.1336317.55  608.0136341.96  609.32
36453.74  616.8336924.78  630.4337344.46  690.4237433.71  701.9937864.97  704.12
 38010.6   699.538065.09  699.7638441.86   712.338920.55   719.639217.93  722.67
39689.57  723.76 40062.3  739.2840284.51  739.7940374.52  737.5640825.18  725.34
41421.14      74041764.12   731.242083.56  725.6742209.46  722.4442278.23  719.97
42380.62   718.942724.34  725.2242890.57      73042975.57     73043979.58  709.89
44073.29  706.7944288.32  703.9944514.63  708.3844594.99  707.3344796.99  707.33
44823.88   707.744993.36  706.5545264.89  701.0145903.17  682.8546038.33  681.76
46256.12  689.3546371.68  694.3146892.34  725.1847186.27  731.7348139.57   739.6
48305.28  741.8948780.59  749.4348910.35   754.949750.31     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   21571     .1521949.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         2157121949.88             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.48    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.33    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1548665.00   71539.18   1218901.00
  E.G. Slope (ft/ft)      0.000292    Area (sq ft)            1548665.00   71539.18   1218901.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4994918.00   397346.10   2610869.00
  Top Width (ft)          46023.48    Top Width (ft)          18601.65     378.88   27042.94
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.23       5.55       2.14
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.25     188.82      45.07
  Conv. Total (cfs)       468322100.0    Conv. (cfs)            292289300.0   23251640.0   152781100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18622.18     380.66   27081.49
  Min Ch El (ft)            565.31    Shear (lb/sq ft)            1.52       3.43       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.89      19.03       1.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    55739.90    2726.32   42027.34
  C & E Loss (ft)             0.00    Cum SA (acres)            670.84      14.47    1002.11


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267855.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.18  761.31 1409.17     760 1916.93     760 2312.95  767.31
 2395.29  767.31 2533.32    770 2741.87     770 2831.28  768.17 3137.11  748.54
 3666.43  721.57 3924.09  712.41 4529.65  700.74 4632.67  703.21 4764.25  706.79
 5553.28  696.36 5750.79  702.89 5995.17  689.29 6033.52  687.31  6707.2  687.31
 6953.88  683.32 7207.71  663.51 7307.79  657.31 7403.04  657.31 7527.48  666.44
 7801.06  695.34 7862.14  697.31 8044.87  691.92 8100.83  691.92  8140.2  690.24
 8272.28  687.74 8352.48  689.63 8481.82  697.69 8719.16  709.56 9108.43  724.61
 9344.79  724.61 9367.09  724.25 9509.64  717.83 9621.75  714.6110483.85  709.36
10819.83  700.2911128.35  675.5411157.15  671.1311313.06  661.8811558.73  653.48
 11623.9  655.1112063.82  690.92 12402.9     71012911.21  717.3112919.85  717.64
 13102.7  721.0213330.98  712.5313396.52  711.3713518.77  713.5113704.37     720
 14075.2      72014132.39  714.2914221.58  705.81 14502.3  707.1614695.46  723.96
14768.98      73015199.09     73015738.48  708.0815923.89  674.63   15941  670.71
16089.73  654.6116287.35  629.3716308.95  627.6516560.45  620.4116999.38  613.73
17113.01  612.6919477.09  612.6919696.66      62020070.62     62020474.66  598.08
20644.95  598.0820738.29  595.3920988.55  592.6921526.36  590.0421533.74   588.8
21571.48      58021609.71  574.3321658.72  569.4521707.73  565.3121912.83  572.06
21950.53      580 22030.4  612.7122089.61  622.9822287.49  661.4322348.04  665.51
22629.96  673.2622705.14  676.7723542.14  728.3523822.77  732.5724246.79  731.63
 24496.3  735.3924723.05  731.4525235.15  715.2525271.59  712.2925545.99  694.81
25693.99  693.5825740.52  696.1625789.24  696.16 26035.6  703.4826404.92  711.76
26552.46  716.1426807.13  729.0927302.38   743.827510.93  747.6727888.87  743.45
28266.56  732.0128322.94  730.9329035.97  724.6929102.93  725.39 30132.9  725.39
30496.49  732.6931933.45  710.7732405.61  718.0833148.54  718.0834059.15  715.39
34225.48  715.3934578.97  717.45 34686.9  716.4335057.28  710.7735468.77  710.77
36008.18      70036013.88   699.336161.36  646.0836321.14  608.0836345.55  609.39
36457.36  616.89 36928.5  630.5237348.26  690.3937437.53  701.9237868.88  704.04
38014.54  699.3738069.05  699.6438445.89  712.2638924.68   719.639222.11  722.69
39693.85  723.7940066.66  739.2740288.91  739.7940378.94  737.57 40829.7  725.39
41425.78      74041768.83  731.2342088.34  725.7542214.27  722.5342283.04  720.05
42385.46  718.9842729.25  725.2442895.52      73042980.53     73043984.75  709.95
44078.48  706.8544293.56  704.0344519.91  708.3644600.28  707.3144802.33  707.31
44829.21  707.6844998.73  706.5645270.32  701.0445908.73  682.8846043.93  681.78
46261.75  689.3246377.34  694.2646898.11  725.14 47192.1  731.7248145.59   739.6
48311.34  741.8948786.75  749.4248916.54  754.8949756.67     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521571.48     .1521950.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21571.4821950.53             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.47    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
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  W.S. Elev (ft)            759.33    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1548713.00   71568.33   1218619.00
  E.G. Slope (ft/ft)      0.000292    Area (sq ft)            1548713.00   71568.33   1218619.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4995722.00   397556.40   2609855.00
  Top Width (ft)          46030.11    Top Width (ft)          18602.43     379.05   27048.64
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.23       5.55       2.14
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.25     188.81      45.05
  Conv. Total (cfs)       468258000.0    Conv. (cfs)             292296400.0   23260760.0   152700900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18622.92     380.82   27087.15
  Min Ch El (ft)            565.31    Shear (lb/sq ft)            1.52       3.43       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.89      19.04       1.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    55562.49    2718.12   41887.73
  C & E Loss (ft)             0.00    Cum SA (acres)            668.71      14.42     999.01


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267850.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.21  761.33  1409.2     760 1916.97     760    2313  767.28
 2395.34  767.28 2533.38    770 2741.93     770 2831.35  768.16 3137.18  748.51
 3666.51  721.59 3924.18  712.43 4529.75  700.75 4632.78   703.2 4764.36  706.76
 5553.41  696.33 5750.92  702.82  5995.3  689.26 6033.65  687.28 6707.35  687.28
 6954.04  683.27 7207.87  663.46 7307.96  657.28 7403.21  657.28 7527.64  666.39
 7801.24   695.3 7862.32  697.28 8045.04  691.85 8101.02  691.85 8140.38  690.18
 8272.46  687.72 8352.67  689.63 8482.01   697.7 8719.36  709.56 9108.63  724.57
    9345  724.57  9367.3   724.2 9509.86  717.77 9621.96  714.5710484.08  709.33
10820.07   700.2 11128.6  675.45 11157.4  671.0311313.31  661.8111558.99  653.51
11624.16  655.1612064.09  690.9812403.18     710 12911.5  717.2812920.14  717.61
13102.99  720.9413331.28  712.4213396.82  711.2713519.07  713.4513704.68     720
14075.51     720 14132.7  714.3114221.89  705.8614502.62  707.2214695.79  723.98
14769.32     73015199.43     73015738.83  708.1515924.24  674.8115941.36  670.89
16090.09  654.7516287.72  629.4316309.31  627.7216560.82  620.4416999.76  613.75
 17113.4  612.7219477.53  612.72 19697.1     62020071.07     62020475.12  598.15
20645.41  598.1520738.76  595.4320989.02  592.7221526.85  590.0421534.23  588.81
21571.96     58021610.32  574.3221659.49  569.4321708.66  565.3121913.52  572.08
21951.16     58022031.06  612.8322090.28  623.07 22288.2  661.4422348.76  665.53
22630.74  673.1922705.93  676.6823543.11  728.2523823.79   732.5 24247.9  731.65
24497.46  735.4324724.26  731.4625236.46  715.2125272.91  712.2525547.37  694.83
 25695.4   693.725741.94   696.325790.67   696.326037.08  703.5926406.47  711.81
26554.04  716.1826808.77  729.1627304.12  743.8227512.71  747.6527890.72  743.39
28268.49  731.9428324.89  730.8729038.07  724.7329105.04  725.4330135.22  725.43
30498.89  732.7231936.14  710.87 32408.4  718.1533151.48  718.1534062.28  715.43
34228.65  715.4334582.21  717.5134690.16  716.5135060.61  710.8735472.19  710.87
36011.71     70036017.41  699.2936164.92  646.0336324.74  608.1536349.15  609.45
36460.98  616.9536932.21  630.6137352.07  690.3537441.35  701.8537872.79  703.96
38018.48  699.24   38073  699.5138449.91  712.22 38928.8  719.59 39226.3  722.72
39698.14  723.8240071.03  739.2740293.32  739.7940383.37  737.5740834.21  725.43
41430.43     74041773.54  731.2642093.12  725.8342219.07  722.6242287.86  720.14
 42390.3  719.0642734.16  725.2542900.46     73042985.49     73043989.91  710.02
44083.66  706.9144298.79  704.0644525.18  708.3544605.57  707.2844807.66  707.28
44834.56  707.6645004.11  706.5745275.75  701.0745914.29   682.946049.52  681.79
46267.39  689.29   46383  694.2146903.88   725.147197.93  731.7248151.61   739.6
48317.39  741.88 48792.9  749.4248922.71  754.8749763.02     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521571.96     .1521951.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21571.9621951.16             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.47    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.33    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1548739.00   71594.45   1218351.00
  E.G. Slope (ft/ft)      0.000292    Area (sq ft)            1548739.00   71594.45   1218351.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4996476.00   397754.50   2608903.00
  Top Width (ft)          46036.82    Top Width (ft)          18603.11     379.20   27054.51
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.23       5.56       2.14
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.25     188.80      45.03
  Conv. Total (cfs)       468189700.0    Conv. (cfs)             292297800.0   23268950.0   152622900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18623.57     380.97   27093.00
  Min Ch El (ft)            565.31    Shear (lb/sq ft)            1.52       3.43       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.89      19.05       1.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    55385.07    2709.92   41748.15
  C & E Loss (ft)             0.00    Cum SA (acres)            666.58      14.38     995.91


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267845.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.24  761.34 1409.23     760 1917.02     760 2313.05  767.26
 2395.39  767.26 2533.44    770 2741.99     770 2831.41  768.14 3137.25  748.49
 3666.59   721.6 3924.27  712.45 4529.85  700.76 4632.88  703.19 4764.47  706.73
 5553.53   696.3 5751.05  702.76 5995.44  689.23 6033.79  687.26  6707.5  687.26
  6954.2  683.21 7208.03  663.42 7308.12  657.26 7403.37  657.26 7527.81  666.34
 7801.41  695.26 7862.49  697.26 8045.23  691.78  8101.2  691.78 8140.56  690.11
 8272.65   687.7 8352.86  689.63  8482.2  697.71 8719.55  709.57 9108.83  724.52
 9345.21  724.52 9367.51  724.15 9510.07  717.72 9622.18  714.5210484.32   709.3
10820.31  700.1211128.85  675.3711157.65  670.9311313.57  661.7411559.25  653.54
11624.42   655.212064.36  691.0412403.45     71012911.78  717.2612920.43  717.59
13103.29  720.8613331.58  712.3213397.12  711.1713519.37  713.3913704.99     720
14075.83     72014133.02  714.3314222.21  705.9114502.95  707.2814696.12     724
14769.65     73015199.77     73015739.18  708.22 15924.6  674.9915941.71  671.07
16090.45   654.916288.08   629.516309.67  627.7916561.19  620.4717000.14  613.77
17113.78  612.7419477.96  612.7419697.54     62020071.52     62020475.57  598.22
20645.87  598.2220739.22  595.4820989.49  592.7421527.33  590.0421534.71  588.81
21572.45     58021610.93  574.3121660.26  569.42 21709.6  565.3121914.21  572.09
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 21951.8     58022031.71  612.9522090.94  623.15 22288.9  661.4622349.48  665.54
22631.52  673.1122706.73  676.5923544.07  728.1423824.82  732.4424249.01  731.66
24498.62  735.4824725.46  731.4725237.78  715.1625274.23  712.2125548.75  694.85
25696.81  693.8225743.36  696.44 25792.1  696.4426038.56  703.7126408.03  711.87
26555.63  716.2326810.41  729.2327305.86  743.84 27514.5  747.6327892.58  743.33
28270.43  731.8728326.84   730.829040.17  724.7729107.15  725.4830137.54  725.48
30501.28  732.7431938.83  710.9632411.19  718.2233154.42  718.2234065.41  715.48
34231.81  715.4834585.44  717.5834693.41  716.5835063.94  710.9635475.61  710.96
36015.24     70036020.94  699.2936168.48  645.9736328.33  608.2236352.75  609.52
36464.61  617.0136935.93   630.737355.87  690.3237445.17  701.78 37876.7  703.89
38022.42  699.1238076.95  699.3838453.95  712.1838932.93  719.5939230.49  722.74
39702.43  723.8640075.39  739.2640297.73  739.7940387.79  737.5840838.73  725.48
41435.07     74041778.25  731.2842097.89  725.9142223.87  722.7142292.68  720.23
42395.14  719.1442739.07  725.27 42905.4     73042990.45     73043995.08  710.08
44088.85  706.9744304.02   704.144530.46  708.3344610.87  707.26   44813  707.26
 44839.9  707.6445009.48  706.5845281.18   701.145919.86  682.9346055.11  681.81
46273.02  689.2646388.66  694.1746909.64  725.0647203.75  731.7148157.64  739.59
48323.45  741.8848799.05  749.4148928.89  754.8649769.38     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521572.45     .15 21951.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21572.45 21951.8             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.47    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.32    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1548777.00   71621.70   1218082.00
  E.G. Slope (ft/ft)      0.000292    Area (sq ft)            1548777.00   71621.70   1218082.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4997241.00   397956.80   2607936.00
  Top Width (ft)          46043.38    Top Width (ft)          18603.82     379.35   27060.20
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.23       5.56       2.14
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.25     188.80      45.01
  Conv. Total (cfs)       468125700.0    Conv. (cfs)            292302600.0   23277610.0   152545500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18624.26     381.12   27098.66
  Min Ch El (ft)            565.31    Shear (lb/sq ft)            1.52       3.43       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.90      19.05       1.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    55207.66    2701.72   41608.60
  C & E Loss (ft)             0.00    Cum SA (acres)            664.45      14.34     992.81


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267840.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.26  761.35 1409.26     760 1917.06     760  2313.1  767.24
 2395.45  767.24 2533.49    770 2742.05     770 2831.47  768.12 3137.32  748.46
 3666.68  721.61 3924.36  712.47 4529.95  700.76 4632.99  703.18 4764.57   706.7
 5553.66  696.27 5751.18   702.7 5995.57   689.2 6033.92  687.24 6707.65  687.24
 6954.35  683.15 7208.19  663.38 7308.29  657.24 7403.54  657.24 7527.98  666.29
 7801.59  695.22 7862.67  697.24  8045.4  691.71 8101.38  691.71 8140.75  690.05
 8272.83  687.68 8353.04  689.62 8482.39  697.72 8719.75  709.57 9109.04  724.47
 9345.42  724.47 9367.72   724.1 9510.28  717.66 9622.39  714.4710484.55  709.27
10820.55  700.03 11129.1  675.29 11157.9  670.8311313.82  661.67 11559.5  653.57
11624.68  655.2512064.63   691.112403.73     71012912.07  717.2412920.72  717.56
13103.58  720.7913331.88  712.2113397.42  711.0713519.68  713.3413705.29     720
14076.14     72014133.34  714.3514222.53  705.9614503.27  707.3414696.44  724.01
14769.98     73015200.11     73015739.53  708.2915924.96  675.1615942.07  671.25
16090.81  655.0416288.44  629.5616310.04  627.8516561.56   620.517000.52  613.79
17114.16  612.76 19478.4  612.7619697.98     62020071.97     62020476.03  598.29
20646.33  598.2920739.69  595.5320989.96  592.7621527.81  590.0421535.19  588.82
21572.93     58021611.54  574.2921661.04  569.4121710.54  565.3121914.89  572.11
21952.44     58022032.37  613.0722091.61  623.2422289.61  661.47 22350.2  665.56
 22632.3  673.0422707.52  676.5123545.04  728.0423825.84  732.3724250.12  731.68
24499.78  735.5324726.67  731.4925239.09  715.1225275.55  712.1725550.13  694.86
25698.22  693.9425744.77  696.5825793.53  696.5826040.04  703.8326409.58  711.93
26557.21  716.2726812.04  729.29 27307.6  743.8627516.28  747.6127894.45  743.28
28272.37   731.828328.79  730.7329042.26  724.8229109.26  725.5330139.86  725.53
30503.68  732.7631941.52  711.0532413.97  718.2933157.36  718.2934068.54  715.53
34234.97  715.5334588.68  717.6434696.67  716.6635067.27  711.0535479.02  711.05
36018.77     70036024.47  699.2836172.04  645.9236331.92  608.2936356.35  609.59
36468.23  617.0736939.65   630.837359.67  690.29   37449  701.7137880.61  703.81
38026.36  698.99 38080.9  699.2638457.97  712.1438937.06  719.5939234.68  722.76
39706.71  723.8940079.75  739.2540302.14  739.7840392.22  737.5940843.25  725.53
41439.71     74041782.96  731.3142102.67  725.9842228.68   722.8 42297.5  720.32
42399.98  719.2242743.98  725.2842910.35     73042995.41     73044000.25  710.14
44094.04  707.0344309.25  704.1344535.74  708.3244616.16  707.2444818.33  707.24
44845.24  707.6145014.86  706.5945286.62  701.1345925.42  682.95 46060.7  681.82
46278.66  689.2346394.32  694.1246915.41  725.0147209.58  731.7148163.66  739.59
48329.51  741.8748805.21  749.4148935.08  754.8449775.73     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521572.93     .1521952.44     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21572.9321952.44             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.47    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.32    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1548832.00   71649.13   1217800.00
  E.G. Slope (ft/ft)      0.000292    Area (sq ft)            1548832.00   71649.13   1217800.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4998070.00   398156.90   2606906.00
  Top Width (ft)          46050.18    Top Width (ft)          18604.59     379.51   27066.08
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.23       5.56       2.14
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.25     188.79      44.99
  Conv. Total (cfs)       468063100.0    Conv. (cfs)            292312000.0   23286200.0   152464800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18625.00     381.27   27104.51
  Min Ch El (ft)            565.31    Shear (lb/sq ft)            1.52       3.43       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.90      19.06       1.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    55030.23    2693.52   41469.08
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  C & E Loss (ft)             0.00    Cum SA (acres)            662.32      14.29     989.71


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267835.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.29  761.36 1409.29     760  1917.1     760 2313.16  767.21
  2395.5  767.21 2533.55     770 2742.11     770 2831.54  768.11 3137.39  748.43
 3666.76  721.63 3924.44  712.49 4530.06  700.77 4633.09  703.17 4764.68  706.67
 5553.78  696.23 5751.31  702.64  5995.7  689.17 6034.06  687.21  6707.8  687.21
 6954.51  683.09 7208.35  663.33 7308.45  657.21  7403.7  657.21 7528.15  666.23
 7801.76  695.18 7862.84  697.21 8045.58  691.64 8101.56  691.64 8140.93  689.98
 8273.02  687.66 8353.23  689.62 8482.58  697.72 8719.94  709.57 9109.24  724.43
 9345.63  724.43 9367.93  724.05  9510.5   717.6 9622.61  714.4310484.78  709.24
 10820.8  699.9511129.34  675.2111158.15  670.7311314.07   661.611559.76   653.6
11624.94  655.29 12064.9  691.1612404.01     71012912.36  717.21   12921  717.54
13103.87  720.7113332.17  712.1113397.72  710.9713519.98  713.28 13705.6     720
14076.46     72014133.65  714.3614222.85  706.02 14503.6   707.414696.77  724.03
14770.31     73015200.45     73015739.89  708.3615925.31  675.3415942.42  671.43
16091.17  655.1916288.81  629.63 16310.4  627.9216561.93  620.53 17000.9  613.81
17114.54  612.7919478.84  612.7919698.42     62020072.42     62020476.49  598.36
20646.79  598.3620740.15  595.5720990.43  592.7921528.29  590.0421535.67  588.82
21573.41     58021612.15  574.2821661.81   569.421711.47   565.321915.58  572.13
21953.08     58022033.03  613.1922092.28  623.3322290.32  661.4822350.92  665.57
22633.08  672.9622708.32  676.42   23546  727.9423826.87  732.3124251.24  731.69
24500.95  735.5724727.88   731.525240.41  715.0825276.88  712.1425551.51  694.88
25699.63  694.0625746.19  696.7225794.96  696.7226041.52  703.9526411.14  711.99
 26558.8  716.3226813.68  729.3627309.33  743.8827518.06  747.59 27896.3  743.22
28274.31  731.7328330.74  730.6629044.36  724.8629111.37  725.5730142.18  725.57
30506.07  732.7931944.21  711.1532416.76  718.36 33160.3  718.3634071.66  715.57
34238.13  715.5734591.91  717.7134699.93  716.7335070.61  711.1535482.44  711.15
 36022.3     700   36028  699.27 36175.6  645.8736335.52  608.3636359.95  609.65
36471.85  617.1336943.37  630.8937363.48  690.2537452.82  701.6437884.52  703.73
 38030.3  698.8638084.86  699.13   38462   712.138941.18  719.5839238.87  722.79
   39711  723.9240084.11  739.2540306.55  739.7840396.65   737.640847.77  725.57
41444.35     74041787.68  731.3442107.45  726.0642233.48  722.8842302.31   720.4
42404.82  719.2942748.89   725.342915.29     73043000.37     73044005.42  710.21
44099.22  707.0944314.48  704.1744541.02   708.344621.46  707.2144823.67  707.21
44850.58  707.5945020.24   706.645292.05  701.1645930.98  682.9846066.29  681.84
46284.29   689.246399.98  694.0846921.18  724.9747215.41   731.748169.68  739.59
48335.56  741.8648811.36   749.448941.26  754.8349782.08     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521573.41     .1521953.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21573.4121953.08             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.47    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.32    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1548859.00   71677.83   1217526.00
  E.G. Slope (ft/ft)      0.000292    Area (sq ft)            1548859.00   71677.83   1217526.00
  Q Total (cfs)           8003133.00    Flow (cfs)              4998823.00   398371.00   2605939.00
  Top Width (ft)          46056.71    Top Width (ft)          18605.27     379.67   27071.77
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.23       5.56       2.14
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.25     188.79      44.97
  Conv. Total (cfs)       467995500.0    Conv. (cfs)            292313800.0   23295350.0   152386300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18625.65     381.43   27110.18
  Min Ch El (ft)            565.30    Shear (lb/sq ft)            1.52       3.43       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.90      19.07       1.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    54852.81    2685.31   41329.59
  C & E Loss (ft)             0.00    Cum SA (acres)            660.18      14.25     986.61


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267830.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.32  761.37 1409.32     760 1917.14     760 2313.21  767.19
 2395.55  767.19 2533.61     770 2742.17     770  2831.6  768.09 3137.46   748.4
 3666.84  721.64 3924.53  712.52 4530.16  700.77 4633.19  703.16 4764.79  706.65
  5553.9   696.2 5751.43  702.58 5995.84  689.14 6034.19  687.19 6707.95  687.19
 6954.66  683.03 7208.51  663.29 7308.61  657.19 7403.87  657.19 7528.32  666.18
 7801.94  695.14 7863.02  697.19 8045.76  691.57 8101.74  691.57 8141.11  689.92
  8273.2  687.64 8353.42  689.62 8482.76  697.73 8720.13  709.57 9109.44  724.38
 9345.84  724.38 9368.14     724 9510.71  717.54 9622.82  714.3810485.02  709.21
10821.04  699.8611129.59  675.13 11158.4  670.6311314.33  661.5311560.02  653.63
 11625.2  655.3312065.17  691.2212404.29     71012912.65  717.1912921.29  717.51
13104.16  720.6313332.47     71213398.02  710.8713520.28  713.2213705.91     720
14076.77     72014133.97  714.3814223.17  706.0714503.92  707.47 14697.1  724.05
14770.64     73015200.79     73015740.24  708.4315925.67  675.5215942.78  671.61
16091.53  655.3316289.17   629.716310.77  627.99 16562.3  620.5617001.28  613.83
17114.93  612.8119479.27  612.8119698.86     62020072.87     62020476.95  598.43
20647.25  598.4320740.61  595.6220990.89  592.8121528.77  590.0421536.15  588.82
21573.89     58021612.76  574.2621662.58  569.3921712.41   565.321916.26  572.15
21953.72     58022033.68  613.3122092.95  623.4122291.03  661.4922351.64  665.59
22633.86  672.8922709.11  676.3423546.97  727.8423827.89  732.2424252.35  731.71
24502.11  735.6224729.09  731.5125241.72  715.04 25278.2   712.125552.88   694.9
25701.04  694.1725747.61  696.8625796.39  696.8626042.99  704.0626412.69  712.05
26560.38  716.3626815.32  729.4327311.07   743.927519.84  747.5727898.16  743.16
28276.24  731.6628332.69   730.629046.45   724.929113.48  725.62 30144.5  725.62
30508.47  732.81 31946.9  711.2432419.55  718.4333163.24  718.4334074.79  715.62
 34241.3  715.6234595.14  717.7734703.18  716.8135073.94  711.2435485.86  711.24
36025.82     70036031.53  699.2736179.16  645.8236339.11  608.4336363.54  609.72
36475.47  617.1936947.09  630.9837367.28  690.2237456.64  701.5737888.43  703.65
38034.24  698.74 38088.8     69938466.03  712.0638945.31  719.5839243.06  722.81
39715.28  723.9640088.48  739.2440310.95  739.7840401.07  737.6140852.29  725.62
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41448.99     74041792.39  731.3742112.23  726.1442238.29  722.9742307.13  720.49
42409.66  719.37 42753.8  725.3142920.23     73043005.33     73044010.59  710.27
44104.41  707.1544319.71   704.244546.29  708.2944626.75  707.19   44829  707.19
44855.92  707.5745025.61  706.6145297.48  701.1945936.54     68346071.88  681.85
46289.93  689.1746405.64  694.0346926.94  724.9347221.23  731.6948175.71  739.58
48341.62  741.8648817.52   749.448947.44  754.8149788.43     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521573.89     .1521953.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21573.8921953.72             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.47    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.32    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1548903.00   71705.68   1217252.00
  E.G. Slope (ft/ft)      0.000293    Area (sq ft)            1548903.00   71705.68   1217252.00
  Q Total (cfs)           8003133.00    Flow (cfs)             4999612.00   398575.10   2604946.00
  Top Width (ft)          46063.51    Top Width (ft)          18606.05     379.83   27077.63
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.23       5.56       2.14
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.25     188.78      44.95
  Conv. Total (cfs)       467931100.0    Conv. (cfs)            292319800.0   23304080.0   152307200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18626.40     381.59   27116.02
  Min Ch El (ft)            565.30    Shear (lb/sq ft)            1.52       3.43       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.90      19.08       1.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    54675.38    2677.09   41190.13
  C & E Loss (ft)             0.00    Cum SA (acres)            658.05      14.20     983.51


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267825.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.35  761.38 1409.36     760 1917.19     760 2313.26  767.17
 2395.61  767.17 2533.66     770 2742.24     770 2831.66  768.08 3137.53  748.38
 3666.92  721.66 3924.62  712.54 4530.26  700.78  4633.3  703.15 4764.89  706.62
 5554.03  696.17 5751.56  702.52 5995.97  689.11 6034.33  687.17  6708.1  687.17
 6954.82  682.98 7208.67  663.25 7308.78  657.17 7404.03  657.17 7528.49  666.13
 7802.11   695.1  7863.2  697.17 8045.94   691.5 8101.92   691.5 8141.29  689.85
 8273.39  687.62  8353.6  689.62 8482.95  697.74 8720.33  709.57 9109.65  724.33
 9346.05  724.33 9368.35  723.95 9510.92  717.49 9623.04  714.3310485.25  709.18
10821.28  699.7811129.84  675.0411158.65  670.5311314.58  661.4611560.28  653.66
11625.46  655.3812065.44  691.2812404.56     71012912.94  717.1712921.58  717.49
13104.46  720.5513332.77   711.913398.32  710.7713520.58  713.1713706.21     720
14077.09     72014134.28   714.414223.49  706.1214504.25  707.5314697.43  724.07
14770.97     73015201.13     73015740.59   708.515926.02   675.715943.14  671.79
16091.89  655.4816289.54  629.7616311.13  628.0516562.67  620.5917001.66  613.85
17115.31  612.8319479.71  612.83 19699.3     62020073.31     62020477.41   598.5
20647.71   598.520741.08  595.6720991.36  592.8321529.25  590.0421536.63  588.83
21574.38     58021613.37  574.2521663.36  569.3821713.35   565.321916.95  572.17
21954.36     58022034.34  613.4322093.61   623.522291.74  661.5122352.36   665.6
22634.63  672.8222709.91  676.2523547.94  727.7423828.92  732.1824253.46  731.72
24503.27  735.67 24730.3  731.5225243.04     71525279.52  712.0625554.26  694.91
25702.45  694.2925749.03     69725797.81     69726044.47  704.1826414.25  712.11
26561.97  716.4126816.96  729.4927312.81  743.9227521.62  747.5527900.02  743.11
28278.18  731.5928334.63  730.5329048.55  724.9429115.59  725.6730146.82  725.67
30510.87  732.83 31949.6  711.3332422.34   718.533166.18   718.534077.92  715.67
34244.46  715.6734598.38  717.8434706.44  716.8835077.27  711.3335489.27  711.33
36029.35     70036035.06  699.2636182.72  645.77 36342.7   608.536367.14  609.79
36479.09  617.25 36950.8  631.0737371.09  690.1937460.46   701.537892.34  703.58
38038.18  698.6138092.76  698.8738470.06  712.0338949.44  719.5839247.25  722.83
39719.57  723.9940092.84  739.2440315.36  739.78 40405.5  737.6140856.81  725.67
41453.63     740 41797.1   731.442117.01  726.2242243.09  723.0642311.95  720.58
 42414.5  719.45 42758.7  725.3342925.18     73043010.29     73044015.75  710.34
44109.59  707.2144324.94  704.2444551.57  708.2844632.05  707.1744834.34  707.17
44861.26  707.5545030.99  706.6245302.91  701.2245942.11  683.0346077.47  681.87
46295.56  689.14 46411.3  693.9946932.71  724.8947227.06  731.6948181.73  739.58
48347.68  741.8548823.67  749.3948953.62  754.7949794.79     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521574.38     .1521954.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21574.3821954.36             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.47    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.32    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1548938.00   71730.99   1216956.00
  E.G. Slope (ft/ft)      0.000293    Area (sq ft)            1548938.00   71730.99   1216956.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5000451.00   398769.60   2603912.00
  Top Width (ft)          46070.16    Top Width (ft)          18606.67     379.98   27083.50
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.23       5.56       2.14
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.25     188.78      44.93
  Conv. Total (cfs)       467860100.0    Conv. (cfs)            292324500.0   23311920.0   152223700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18627.00     381.73   27121.85
  Min Ch El (ft)            565.30    Shear (lb/sq ft)            1.52       3.43       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.90      19.08       1.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    54497.94    2668.88   41050.71
  C & E Loss (ft)             0.00    Cum SA (acres)            655.92      14.16     980.41


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267820.*

INPUT
Description:
Station Elevation Data    num=     174
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.38  761.39 1409.39     760 1917.23     760 2313.31  767.14
 2395.66  767.14 2533.72     770  2742.3     770 2831.73  768.06  3137.6  748.35
    3667  721.67 3924.71  712.56 4530.36  700.79  4633.4  703.14    4765  706.59
 5554.15  696.14 5751.69  702.45 5996.11  689.08 6034.46  687.14 6708.25  687.14
 6954.97  682.92 7208.83   663.2 7308.94  657.14  7404.2  657.14 7528.65  666.08
 7802.29  695.06 7863.37  697.14 8046.12  691.43  8102.1  691.43 8141.47  689.79
 8273.57   687.6 8353.79  689.61 8483.14  697.75 8720.53  709.57 9109.85  724.29
 9346.26  724.29 9368.56   723.9 9511.13  717.43 9623.25  714.2910485.49  709.15
10821.52   699.711130.09  674.96 11158.9  670.4311314.83  661.3911560.54  653.69
11625.72  655.4212065.71  691.3512404.84     71012913.23  717.1412921.87  717.47
13104.75  720.4713333.07   711.813398.62  710.6713520.89  713.1113706.52     720
 14077.4     720 14134.6  714.42 14223.8  706.1714504.57  707.5914697.76  724.09
 14771.3     73015201.47     73015740.94  708.5715926.38  675.8715943.49  671.97
16092.25  655.62 16289.9  629.83 16311.5  628.1216563.04  620.6217002.04  613.87
17115.69  612.8619480.14  612.8619699.74     62020073.76     62020477.87  598.57
20648.18  598.5720741.54  595.7120991.83  592.8621529.73  590.0421537.12  588.83
21574.86     58021613.98  574.2421664.13  569.3721714.29   565.321917.63  572.18
   21955     58022034.99  613.5522094.28  623.5922292.45  661.5222353.08  665.61
22635.41  672.74 22710.7  676.16 23548.9  727.6423829.94  732.1124254.57  731.73
24504.43  735.7124731.51  731.5425244.35  714.9625280.84  712.0225555.64  694.93
25703.85  694.4125750.45  697.1425799.24  697.1426045.95   704.3 26415.8  712.17
26563.55  716.4526818.59  729.5627314.55  743.9427523.41  747.5327901.88  743.05
28280.12  731.5228336.58  730.4629050.64  724.98 29117.7  725.7130149.14  725.71
30513.26  732.8631952.29  711.4332425.12  718.5733169.12  718.5734081.05  715.71
34247.62  715.7134601.61   717.9 34709.7  716.9635080.61  711.4335492.69  711.43
36032.88     70036038.59  699.2636186.28  645.7236346.29  608.5736370.74  609.85
36482.71  617.3136954.52  631.1637374.89  690.1537464.28  701.4337896.25   703.5
38042.12  698.4938096.71  698.7538474.09  711.9938953.57  719.5739251.43  722.86
39723.85  724.02 40097.2  739.2340319.77  739.7840409.93  737.6240861.33  725.71
41458.27     74041801.81  731.4342121.79   726.342247.89  723.1542316.77  720.67
42419.34  719.5342763.61  725.3442930.12     73043015.25     73044020.92   710.4
44114.78  707.2744330.17  704.2744556.85  708.2644637.34  707.1444839.68  707.14
 44866.6  707.5345036.36  706.6445308.34  701.2445947.67  683.0546083.06  681.88
 46301.2  689.1146416.96  693.9446938.47  724.8547232.89  731.6848187.75  739.58
48353.73  741.8548829.82  749.39 48959.8  754.7849801.14     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521574.86     .15   21955     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21574.86   21955             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.46    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.32    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1548963.00   71759.98   1216692.00
  E.G. Slope (ft/ft)      0.000293    Area (sq ft)            1548963.00   71759.98   1216692.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5001169.00   398984.20   2602980.00
  Top Width (ft)          46076.77    Top Width (ft)          18607.44     380.14   27089.20
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.23       5.56       2.14
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)            83.24     188.77      44.91
  Conv. Total (cfs)       467793300.0    Conv. (cfs)            292324700.0   23321140.0   152147500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18627.73     381.89   27127.53
  Min Ch El (ft)            565.30    Shear (lb/sq ft)             1.52       3.43       0.82
  Alpha                       1.20    Stream Power (lb/ft s)       4.91      19.09       1.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    54320.50    2660.66   40911.31
  C & E Loss (ft)             0.00    Cum SA (acres)            653.79      14.12     977.30


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267815.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1237.4  761.41 1409.42     760 1917.27     760 2313.36  767.12
 2395.72  767.12 2533.78     770 2742.36     770 2831.79  768.05 3137.67  748.32
 3667.09  721.68 3924.79  712.58 4530.46  700.79  4633.5  703.13 4765.11  706.56
 5554.28  696.11 5751.82  702.39 5996.24  689.05  6034.6  687.12  6708.4  687.12
 6955.13  682.86    7209  663.16  7309.1  657.12 7404.36  657.12 7528.82  666.02
 7802.46  695.02 7863.55  697.12  8046.3  691.36 8102.28  691.36 8141.66  689.72
 8273.76  687.58 8353.98  689.61 8483.33  697.75 8720.72  709.57 9110.06  724.24
 9346.47  724.24 9368.77  723.85 9511.35  717.37 9623.47  714.2410485.72  709.12
10821.76  699.6111130.34  674.8811159.14  670.3411315.08  661.32 11560.8  653.72
11625.98  655.4712065.98  691.4112405.12     71012913.52  717.1212922.16  717.44
13105.04   720.413333.37  711.6913398.92  710.5713521.19  713.0513706.83     720
14077.72     72014134.92  714.4414224.12  706.2214504.89  707.6514698.09  724.11
14771.63     73015201.81     73015741.29  708.6415926.74  676.0515943.85  672.15
16092.61  655.7716290.27   629.916311.86  628.1916563.41  620.6517002.42  613.89
17116.08  612.8819480.58  612.8819700.18     62020074.21     62020478.32  598.64
20648.64  598.64   20742  595.76 20992.3  592.8821530.21  590.04 21537.6  588.84
21575.34     58021614.59  574.22 21664.9  569.3621715.22   565.321918.32   572.2
21955.64     58022035.65  613.6722094.95  623.6722293.16  661.53 22353.8  665.63
22636.19  672.67 22711.5  676.0823549.87  727.5423830.96  732.0524255.68  731.75
 24505.6  735.7624732.72  731.5525245.66  714.9225282.16  711.9825557.02  694.95
25705.26  694.5325751.87  697.2825800.67  697.2826047.43  704.4126417.36  712.22
26565.14  716.4926820.23  729.6327316.29  743.9627525.19  747.5127903.74  742.99
28282.05  731.4528338.53   730.429052.74  725.02 29119.8  725.7630151.46  725.76
30515.66  732.8831954.98  711.5232427.91  718.6433172.06  718.6434084.17  715.76
34250.78  715.7634604.85  717.9734712.96  717.0435083.94  711.5235496.11  711.52
36036.41     70036042.12  699.2536189.84  645.6636349.89  608.6436374.34  609.92
36486.33  617.3736958.24  631.2537378.69  690.1237468.11  701.3637900.16  703.42
38046.07  698.3638100.66  698.6238478.12  711.95 38957.7  719.5739255.62  722.88
39728.14  724.0640101.56  739.2240324.18  739.7840414.35  737.6340865.85  725.76
41462.91     74041806.52  731.4542126.56  726.37 42252.7  723.2442321.59  720.75
42424.18  719.6142768.52  725.3642935.07     73043020.21     73044026.09  710.46
44119.97  707.3344335.41  704.3144562.12  708.2544642.63  707.1244845.01  707.12
44871.95  707.5145041.74  706.6545313.77  701.2745953.23  683.0846088.65   681.9
46306.84  689.0846422.61  693.8946944.24   724.847238.71  731.6848193.77  739.57
48359.79  741.8448835.98  749.3848965.98  754.76 49807.5     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521575.34     .1521955.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      21575.3421955.64             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.46    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.31    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1549014.00   71787.94   1216417.00
  E.G. Slope (ft/ft)      0.000293    Area (sq ft)            1549014.00   71787.94   1216417.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5001982.00   399186.40   2601965.00
  Top Width (ft)          46083.48    Top Width (ft)          18608.12     380.30   27095.06
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.23       5.56       2.14
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.24     188.77      44.89
  Conv. Total (cfs)       467732300.0    Conv. (cfs)            292334000.0   23329910.0   152068300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18628.39     382.05   27133.36
  Min Ch El (ft)            565.30    Shear (lb/sq ft)            1.52       3.43       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.91      19.10       1.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    54143.06    2652.44   40771.95
  C & E Loss (ft)             0.00    Cum SA (acres)            651.66      14.07     974.20


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267810.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.43  761.42 1409.45     760 1917.32     760 2313.41   767.1
 2395.77   767.1 2533.83    770 2742.42     770 2831.85  768.03 3137.74   748.3
 3667.17   721.7 3924.88  712.6 4530.56   700.8 4633.61  703.12 4765.21  706.54
  5554.4  696.08 5751.95  702.33 5996.37  689.02 6034.73   687.1 6708.55   687.1
 6955.28   682.8 7209.16  663.12 7309.27   657.1 7404.53   657.1 7528.99  665.97
 7802.63  694.98 7863.72   697.1 8046.48  691.29 8102.47  691.29 8141.84  689.66
 8273.94  687.56 8354.16  689.61 8483.52  697.76 8720.92  709.58 9110.26  724.19
 9346.68  724.19 9368.98   723.8 9511.56  717.32 9623.68  714.1910485.96  709.09
10822.01  699.5311130.59   674.811159.39  670.2411315.34  661.2511561.05  653.75
11626.24  655.5112066.25  691.47 12405.4     71012913.81   717.112922.45  717.42
13105.34  720.3213333.66  711.5913399.22  710.4713521.49     71313707.13     720
14078.03     72014135.23  714.4614224.44  706.2714505.22  707.7214698.42  724.13
14771.96     73015202.15     73015741.65  708.7115927.09  676.2315944.21  672.33
16092.97  655.9116290.63  629.9616312.23  628.2516563.78  620.68 17002.8  613.91
17116.46   612.919481.01   612.919700.62     62020074.66     62020478.78  598.71
 20649.1  598.7120742.47  595.8120992.77   592.9 21530.7  590.0421538.08  588.84
21575.82     580 21615.2  574.2121665.68  569.3521716.16   565.3   21919  572.22
21956.28     580 22036.3  613.7822095.62  623.7622293.87  661.5422354.53  665.64
22636.97  672.5922712.29  675.9923550.84  727.4323831.99  731.9824256.79  731.76
24506.76  735.8124733.93  731.5625246.98  714.8725283.48  711.94 25558.4  694.96
25706.67  694.6525753.28  697.42 25802.1  697.4226048.91  704.5326418.91  712.28
26566.72  716.5426821.87  729.6927318.03  743.9827526.97  747.49 27905.6  742.93
28283.99  731.3728340.48  730.3329054.83  725.0629121.91  725.8130153.79  725.81
30518.05   732.931957.67  711.62 32430.7  718.71   33175  718.71 34087.3  715.81
34253.94  715.8134608.08  718.0334716.21  717.1135087.27  711.6235499.53  711.62
36039.94     70036045.65  699.24 36193.4  645.6136353.48  608.7136377.93  609.98
36489.95  617.4336961.96  631.35 37382.5  690.0937471.93  701.2937904.07  703.35
   38050  698.2338104.61  698.4938482.15  711.9138961.82  719.5739259.81   722.9
39732.42  724.0940105.93  739.2240328.59  739.7740418.78  737.6440870.37  725.81
41467.56     74041811.23  731.4842131.34  726.45 42257.5  723.32 42326.4  720.84
42429.01  719.6942773.43  725.3742940.01     73043025.18     73044031.25  710.53
44125.16  707.3944340.64  704.34 44567.4  708.2344647.93   707.144850.35   707.1
44877.29  707.4945047.12  706.6645319.21   701.345958.79   683.146094.24  681.91
46312.47  689.0546428.27  693.8546950.01  724.7647244.54  731.67 48199.8  739.57
48365.85  741.8348842.13  749.3848972.16  754.7549813.85     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521575.82     .1521956.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21575.8221956.28             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.46    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.31    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1549042.00   71814.99   1216141.00
  E.G. Slope (ft/ft)      0.000293    Area (sq ft)            1549042.00   71814.99   1216141.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5002745.00   399388.70   2601000.00
  Top Width (ft)          46090.04    Top Width (ft)          18608.82     380.46   27100.76
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.23       5.56       2.14
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.24     188.76      44.87
  Conv. Total (cfs)       467663500.0    Conv. (cfs)            292335600.0   23338300.0   151989600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18629.07     382.20   27139.04
  Min Ch El (ft)            565.30    Shear (lb/sq ft)            1.52       3.44       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.91      19.11       1.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    53965.61    2644.21   40632.62
  C & E Loss (ft)             0.00    Cum SA (acres)            649.53      14.03     971.10


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267805.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.46  761.43 1409.48     760 1917.36     760 2313.47  767.07
 2395.82  767.07 2533.89    770 2742.48     770 2831.92  768.01 3137.81  748.27
 3667.25  721.71 3924.97  712.62 4530.66  700.81 4633.71  703.11 4765.32  706.51
 5554.52  696.04 5752.08  702.27 5996.51  688.99 6034.87  687.07  6708.7  687.07
 6955.44  682.74 7209.32  663.07 7309.43  657.07  7404.7  657.07 7529.16  665.92
 7802.81  694.94  7863.9  697.07 8046.66  691.22 8102.65  691.22 8142.02  689.59
 8274.13  687.54 8354.35   689.6 8483.71  697.77 8721.11  709.58 9110.46  724.15
 9346.88  724.15 9369.19  723.75 9511.77  717.26  9623.9  714.1510486.19  709.06
10822.25  699.4411130.84  674.7211159.64  670.1411315.59  661.1811561.31  653.78
 11626.5  655.5612066.52  691.5312405.67     71012914.09  717.0712922.74  717.39
13105.63  720.2413333.96  711.4813399.52  710.3713521.79  712.9413707.44     720
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14078.35     72014135.55  714.4714224.76  706.3214505.54  707.7814698.75  724.15
14772.29     73015202.49     730   15742  708.7815927.45  676.4115944.56  672.51
16093.33  656.0616290.99  630.0316312.59  628.3216564.15  620.7217003.19  613.93
17116.84  612.9319481.45  612.9319701.06     62020075.11     62020479.24  598.78
20649.56  598.7820742.93  595.8520993.24  592.9321531.18  590.0421538.56  588.84
 21576.3     58021615.81   574.221666.45  569.34 21717.1   565.321919.69  572.24
21956.92     58022036.96   613.922096.29  623.8522294.57  661.5622355.25  665.66
22637.75  672.5222713.08  675.91 23551.8  727.3323833.01  731.92 24257.9  731.78
24507.92  735.8524735.14  731.5725248.29  714.83 25284.8   711.925559.78  694.98
25708.08  694.76 25754.7  697.5625803.53  697.5626050.39  704.6526420.47  712.34
26568.31  716.5826823.51  729.7627319.77     74427528.75  747.4727907.46  742.88
28285.93   731.328342.43  730.2629056.93   725.129124.02  725.8530156.11  725.85
30520.45  732.9331960.36  711.7132433.49  718.7833177.95  718.7834090.43  715.85
34257.11  715.8534611.32   718.134719.47  717.1935090.61  711.7135502.95  711.71
36043.46     70036049.18  699.2436196.96  645.5636357.07  608.7836381.53  610.05
36493.57  617.4936965.67  631.44 37386.3  690.0637475.75  701.2237907.98  703.27
38053.95  698.1138108.57  698.3738486.18  711.8738965.95  719.56   39264  722.93
39736.71  724.1240110.29  739.21   40333  739.7740423.21  737.6540874.89  725.85
 41472.2     74041815.95  731.5142136.12  726.53 42262.3  723.4142331.22  720.93
42433.85  719.7642778.34  725.3942944.95     73043030.14     73044036.42  710.59
44130.34  707.4444345.87  704.3844572.68  708.2244653.22  707.0744855.68  707.07
44882.62  707.4745052.49  706.6745324.64  701.3345964.36  683.1346099.83  681.93
46318.11  689.0246433.93   693.846955.77  724.7247250.37  731.6748205.82  739.57
 48371.9  741.8348848.29  749.3748978.34  754.73 49820.2     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21576.3     .1521956.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21576.321956.92             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.46    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.31    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1549073.00   71842.52   1215861.00
  E.G. Slope (ft/ft)      0.000293    Area (sq ft)            1549073.00   71842.52   1215861.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5003521.00   399594.70   2600017.00
  Top Width (ft)          46096.83    Top Width (ft)          18609.59     380.62   27106.62
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.23       5.56       2.14
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.24     188.75      44.85
  Conv. Total (cfs)       467594000.0    Conv. (cfs)             292337500.0   23346860.0   151909600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18629.81     382.36   27144.89
  Min Ch El (ft)            565.30    Shear (lb/sq ft)            1.52       3.44       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.91      19.11       1.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    53788.16    2635.98   40493.32
  C & E Loss (ft)             0.00    Cum SA (acres)            647.39      13.99     967.99


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267800.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.49  761.44 1409.51     760  1917.4     760 2313.52  767.05
 2395.88  767.05 2533.95     770 2742.54     770 2831.98     768 3137.88  748.24
 3667.33  721.72 3925.06  712.64 4530.76  700.81 4633.81   703.1 4765.43  706.48
 5554.65  696.01 5752.21  702.21 5996.64  688.96    6035  687.05 6708.85  687.05
  6955.6  682.69 7209.48  663.03 7309.59  657.05 7404.86  657.05 7529.33  665.86
 7802.98   694.9 7864.07  697.05 8046.84  691.15 8102.83  691.15  8142.2  689.53
 8274.31  687.52 8354.54   689.6  8483.9  697.77 8721.31  709.58 9110.67   724.1
 9347.09   724.1  9369.4   723.7 9511.98   717.2 9624.11   714.110486.43  709.03
10822.49  699.3611131.09  674.6411159.89  670.0411315.84  661.1111561.57  653.81
11626.75   655.612066.79  691.5912405.95     71012914.38  717.0512923.03  717.37
13105.92  720.1613334.26  711.3813399.82  710.2713522.09  712.8813707.75     720
14078.66     72014135.87  714.4914225.08  706.3714505.87  707.8414699.07  724.17
14772.62     73015202.83     73015742.35  708.85 15927.8  676.5815944.92  672.69
16093.69  656.2116291.36  630.0916312.96  628.3916564.52  620.7517003.56  613.95
17117.22  612.9519481.88  612.95 19701.5     62020075.56     620 20479.7  598.85
20650.02  598.85 20743.4   595.920993.71  592.9521531.66  590.0421539.04  588.85
21576.79     58021616.42  574.1821667.22  569.3221718.03  565.2921920.38  572.25
21957.56     58022037.62  614.0222096.95  623.9322295.28  661.5722355.97  665.67
22638.53  672.4422713.88  675.8223552.77  727.2323834.04  731.8524259.02  731.79
24509.08   735.924736.35  731.5925249.61  714.7925286.13  711.8625561.15     695
25709.49  694.8825756.12   697.725804.96   697.726051.87  704.7726422.02   712.4
 26569.9  716.6326825.14  729.8327321.51  744.0227530.54  747.4527909.32  742.82
28287.87  731.2328344.38  730.1929059.03  725.1429126.13   725.930158.43   725.9
30522.84  732.9531963.05   711.832436.28  718.8533180.88  718.8534093.56   715.9
34260.27   715.934614.55  718.1634722.73  717.2635093.94   711.835506.36   711.8
36046.99     70036052.71  699.2336200.52  645.5136360.66  608.8536385.13  610.12
36497.19  617.5536969.39  631.53 37390.1  690.0237479.57  701.15 37911.9  703.19
38057.89  697.9838112.52  698.2438490.21  711.8338970.08  719.5639268.19  722.95
   39741  724.1540114.65   739.2 40337.4  739.7740427.63  737.6540879.41   725.9
41476.84     74041820.66  731.5442140.89  726.6142267.11   723.542336.04  721.02
42438.69  719.8442783.25   725.4 42949.9     730 43035.1     73044041.59  710.66
44135.53   707.5 44351.1  704.4144577.96  708.2144658.52  707.0544861.02  707.05
44887.97  707.4545057.87  706.6845330.07  701.3645969.92  683.1546105.42  681.94
46323.74  688.9946439.59  693.7646961.54  724.68 47256.2  731.6648211.84  739.56
48377.96  741.8248854.44  749.3748984.52  754.7249826.55     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521576.79     .1521957.56     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21576.7921957.56             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.46    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.31    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1549125.00   71872.06   1215599.00
  E.G. Slope (ft/ft)      0.000293    Area (sq ft)            1549125.00   71872.06   1215599.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5004288.00   399811.20   2599035.00
  Top Width (ft)          46103.37    Top Width (ft)          18610.28     380.77   27112.31
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.23       5.56       2.14
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  Max Chl Dpth (ft)          194.02    Hydr. Depth (ft)           83.24     188.75      44.84
  Conv. Total (cfs)        467537300.0    Conv. (cfs)            292346900.0   23356690.0   151833800.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18630.47     382.51   27150.55
  Min Ch El (ft)             565.29    Shear (lb/sq ft)            1.52       3.44       0.82
  Alpha                        1.20    Stream Power (lb/ft s)      4.91      19.12       1.75
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    53610.70    2627.75   40354.05
  C & E Loss (ft)              0.00    Cum SA (acres)            645.26      13.94     964.89


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267795.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.51  761.45 1409.55     760 1917.44     760 2313.57  767.03
 2395.93  767.03    2534     770  2742.6     770 2832.04  767.98 3137.95  748.21
 3667.41  721.74 3925.15  712.66 4530.87  700.82 4633.92  703.09 4765.53  706.45
 5554.77  695.98 5752.33  702.14 5996.78  688.93 6035.14  687.03    6709  687.03
 6955.75  682.63 7209.64  662.99 7309.76  657.03 7405.03  657.03  7529.5  665.81
 7803.16  694.85 7864.25  697.03 8047.02  691.08 8103.01  691.08 8142.38  689.46
  8274.5   687.5 8354.72   689.6 8484.09  697.78  8721.5  709.58 9110.87  724.05
  9347.3  724.05 9369.61  723.65  9512.2  717.14 9624.33  714.0510486.66     709
10822.73  699.2711131.34  674.5511160.14  669.94 11316.1  661.0411561.83  653.84
11627.02  655.6512067.06  691.6512406.23     71012914.67  717.0312923.32  717.34
13106.22  720.0813334.56  711.2713400.12  710.17 13522.4  712.8313708.05     720
14078.98     72014136.18  714.5114225.39  706.4214506.19   707.9 14699.4  724.19
14772.95     73015203.17     730 15742.7  708.9215928.16  676.7615945.28  672.87
16094.05  656.3516291.72  630.1616313.32  628.4516564.89  620.7817003.95  613.97
17117.61  612.9719482.32  612.9719701.94     62020076.01     62020480.15  598.92
20650.49  598.9220743.86  595.9520994.18  592.9721532.14  590.0421539.52  588.85
21577.27     58021617.03  574.17   21668  569.3121718.97  565.2921921.06  572.27
 21958.2     58022038.27  614.1422097.62  624.0222295.99  661.5822356.69  665.69
22639.31  672.3722714.67  675.7423553.74  727.1323835.06  731.7924260.13  731.81
24510.25  735.9524737.56   731.625250.92  714.7525287.45  711.8225562.53  695.01
 25710.9     69525757.54  697.8525806.38  697.8526053.35  704.8826423.58  712.46
26571.48  716.6726826.78   729.927323.25  744.0427532.32  747.4327911.18  742.76
 28289.8  731.1628346.33  730.1329061.12  725.1829128.24  725.9530160.75  725.95
30525.24  732.9731965.74   711.932439.06  718.9233183.82  718.9234096.68  715.95
34263.43  715.9534617.79  718.2334725.98  717.3435097.27   711.935509.78   711.9
36050.52     70036056.24  699.2336204.08  645.4636364.26  608.9236388.73  610.18
36500.81  617.6136973.11  631.6237393.91  689.9937483.39  701.0837915.81  703.12
38061.83  697.8538116.47  698.1138494.24  711.7938974.21  719.5639272.38  722.97
39745.28  724.1940119.01   739.240341.81  739.7740432.06  737.6640883.93  725.95
41481.48     74041825.37  731.5742145.67  726.6842271.91  723.5942340.86   721.1
42443.53  719.9242788.16  725.4242954.84     73043040.06     73044046.76  710.72
44140.71  707.5644356.33  704.4544583.23  708.1944663.81  707.0344866.35  707.03
44893.31  707.4345063.24  706.69 45335.5  701.3945975.48  683.1846111.01  681.96
46329.38  688.9646445.25  693.71 46967.3  724.6347262.02  731.6648217.86  739.56
48384.02  741.82 48860.6  749.3648990.71   754.749832.91     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521577.27     .15 21958.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21577.27 21958.2             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.46    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.31    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                       Flow Area (sq ft)       1549176.00   71899.16   1215283.00
  E.G. Slope (ft/ft)       0.000293    Area (sq ft)            1549176.00   71899.16   1215283.00
  Q Total (cfs)            8003133.00    Flow (cfs)             5005189.00   400015.60   2597929.00
  Top Width (ft)           46110.17    Top Width (ft)          18611.05     380.93   27118.19
  Vel Total (ft/s)             2.82    Avg. Vel. (ft/s)            3.23       5.56       2.14
  Max Chl Dpth (ft)          194.02    Hydr. Depth (ft)           83.24     188.75      44.81
  Conv. Total (cfs)        467466800.0    Conv. (cfs)            292355400.0   23365100.0   151746200.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18631.21     382.66   27156.41
  Min Ch El (ft)             565.29    Shear (lb/sq ft)            1.52       3.44       0.82
  Alpha                        1.20    Stream Power (lb/ft s)      4.92      19.13       1.75
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    53433.24    2619.52   40214.82
  C & E Loss (ft)              0.00    Cum SA (acres)            643.13      13.90     961.78


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267790.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.54  761.46 1409.58     760 1917.49     760 2313.62     767
 2395.98     767 2534.06     770 2742.67     770  2832.1  767.97 3138.02  748.19
  3667.5  721.75 3925.23  712.68 4530.97  700.83 4634.02  703.08 4765.64  706.42
  5554.9  695.95 5752.46  702.08 5996.91   688.9 6035.27     687 6709.15     687
 6955.91  682.57  7209.8  662.94 7309.92     657 7405.19     657 7529.66  665.76
 7803.33  694.81 7864.43     697  8047.2  691.01 8103.19  691.01 8142.57   689.4
 8274.68  687.48 8354.91  689.59 8484.28  697.79  8721.7  709.58 9111.07     724
 9347.51     724 9369.81  723.6 9512.41  717.09 9624.54     71410486.89  708.97
10822.97  699.1911131.58  674.4711160.39  669.8411316.35  660.9711562.09  653.87
11627.28  655.6912067.33  691.71 12406.5     71012914.96     71712923.61  717.32
13106.51  720.0113334.86  711.1713400.42  710.07 13522.7  712.7713708.36     720
14079.29     720 14136.5  714.5314225.71  706.4714506.52  707.9614699.73  724.21
14773.28     73015203.51     73015743.05  708.9915928.52  676.9415945.63  673.05
16094.41   656.516292.09  630.2316313.69  628.5216565.26  620.8117004.33  613.99
17117.99     61319482.76     61319702.38     62020076.46     62020480.61  598.99
20650.95  598.9920744.32     59620994.65     59321532.62  590.04   21540  588.85
21577.75     58021617.64  574.1521668.77   569.321719.91  565.2921921.75  572.29
21958.84     58022038.93  614.2622098.29  624.11 22296.7  661.5922357.41   665.7
22640.09  672.2922715.47  675.65 23554.7  727.0323836.08  731.7324261.24  731.82
24511.41     73624738.77  731.6125252.24  714.7125288.77  711.7825563.91  695.03
25712.31  695.1225758.96  697.9925807.81  697.9926054.82     70526425.13  712.52
26573.07  716.7226828.42  729.9627324.99  744.06 27534.1  747.4127913.04  742.71
28291.74  731.0928348.28  730.0629063.21  725.2229130.35     72630163.07     726
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30527.63     73331968.43  711.9932441.85  718.9933186.77  718.9934099.81     716
34266.59     71634621.02  718.2934729.24  717.41 35100.6  711.99 35513.2  711.99
36054.05     70036059.77  699.2236207.64  645.4136367.85  608.9936392.32  610.25
36504.43  617.6736976.82  631.7137397.71  689.9637487.21  701.0137919.72  703.04
38065.77  697.7338120.42  697.9938498.27  711.7538978.33  719.5539276.57     723
39749.57  724.2240123.37  739.1940346.22  739.7740436.48  737.6740888.45     726
41486.12     74041830.09  731.5942150.45  726.7642276.71  723.6842345.68  721.19
42448.37     72042793.07  725.4342959.79     73043045.02     73044051.93  710.79
 44145.9  707.6244361.56  704.4844588.51  708.1844669.11     70744871.69     707
44898.65  707.4145068.62   706.745340.93  701.4245981.05   683.2 46116.6  681.98
46335.01  688.9346450.91  693.6746973.07  724.5947267.85  731.6548223.89  739.56
48390.07  741.8148866.75  749.3648996.89  754.6949839.27     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521577.75     .1521958.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21577.7521958.84             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.46    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.31    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1549200.00   71927.18   1214999.00
  E.G. Slope (ft/ft)      0.000293    Area (sq ft)            1549200.00   71927.18   1214999.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5005963.00   400226.30   2596944.00
  Top Width (ft)          46116.64    Top Width (ft)          18611.67     381.09   27123.89
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.23       5.56       2.14
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.24     188.74      44.79
  Conv. Total (cfs)       467396800.0    Conv. (cfs)            292356900.0   23373910.0   151666000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18631.80     382.82   27162.09
  Min Ch El (ft)            565.29    Shear (lb/sq ft)            1.52       3.44       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.92      19.14       1.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    53255.77    2611.28   40075.62
  C & E Loss (ft)             0.00    Cum SA (acres)            641.00      13.86     958.67


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267785.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.57  761.47 1409.61     760 1917.53     760 2313.67  766.98
 2396.04  766.98 2534.12     770 2742.73     770 2832.17  767.95 3138.09  748.16
 3667.58  721.77 3925.32   712.7 4531.07  700.83 4634.12  703.06 4765.75   706.4
 5555.02  695.92 5752.59  702.02 5997.04  688.87 6035.41  686.98  6709.3  686.98
 6956.06  682.51 7209.96   662.9 7310.08  656.98 7405.36  656.98 7529.83  665.71
 7803.51  694.77  7864.6  696.98 8047.38  690.94 8103.37  690.94 8142.75  689.33
 8274.87  687.46  8355.1  689.59 8484.47   697.8 8721.89  709.58 9111.28  723.96
 9347.72  723.96 9370.02  723.55 9512.62  717.03 9624.76  713.9610487.13  708.94
10823.21   699.111131.83  674.3911160.64  669.74 11316.6   660.911562.35   653.9
11627.54  655.73 12067.6  691.7712406.78     71012915.25  716.9812923.89  717.29
 13106.8  719.9313335.15  711.0713400.72  709.97   13523  712.7113708.67     720
14079.61     72014136.81  714.5514226.03  706.5214506.84  708.0314700.06  724.23
14773.61     73015203.85     73015743.41  709.0615928.87  677.1215945.99  673.23
16094.77  656.6416292.45  630.2916314.05  628.5916565.63  620.8417004.71  614.01
17118.37  613.0219483.19  613.0219702.82     620 20076.9     62020481.07  599.06
20651.41  599.0620744.79  596.0420995.12  593.02 21533.1  590.0421540.49  588.86
21578.23     58021618.25  574.1421669.54  569.2921720.84  565.2921922.43  572.31
21959.47     58022039.58  614.3822098.96  624.1922297.41  661.6122358.13  665.72
22640.87  672.2222716.26  675.5623555.67  726.9323837.11  731.6624262.35  731.83
24512.57  736.0424739.97  731.6225253.55  714.6725290.09  711.7425565.29  695.05
25713.71  695.2425760.38  698.1325809.24  698.13 26056.3  705.1226426.69  712.58
26574.65  716.7626830.05  730.0327326.73  744.0827535.88  747.39 27914.9  742.65
28293.68  731.0228350.23  729.9929065.31  725.2629132.46  726.0430165.39  726.04
30530.03  733.0231971.12  712.0832444.64  719.0633189.71  719.0634102.94  716.04
34269.75  716.0434624.26  718.36 34732.5  717.4935103.93  712.0835516.61  712.08
36057.58     700 36063.3  699.21 36211.2  645.3636371.44  609.0636395.92  610.31
36508.05  617.7336980.54   631.837401.51  689.9237491.04  700.9437923.63  702.96
38069.71   697.638124.37  697.8638502.29  711.7138982.46  719.5539280.76  723.02
39753.85  724.2540127.73  739.1840350.62  739.7640440.91  737.6840892.96  726.04
41490.77     740 41834.8  731.6242155.23  726.8442281.52  723.7642350.49  721.28
42453.21  720.0842797.98  725.4542964.73     73043049.98     73044057.09  710.85
44151.09  707.6844366.79  704.5244593.79  708.16 44674.4  706.9844877.02  706.98
44903.99  707.39   45074  706.7145346.36  701.4445986.61  683.2346122.19  681.99
46340.65   688.946456.57  693.6246978.84  724.5547273.67  731.6448229.91  739.55
48396.13   741.848872.91  749.3549003.07  754.6749845.62     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521578.23     .1521959.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21578.2321959.47             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.45    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.31    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1549239.00   71952.89   1214773.00
  E.G. Slope (ft/ft)      0.000293    Area (sq ft)            1549239.00   71952.89   1214773.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5006642.00   400411.20   2596080.00
  Top Width (ft)          46123.43    Top Width (ft)          18612.43     381.24   27129.76
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.23       5.56       2.14
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.24     188.73      44.78
  Conv. Total (cfs)       467340300.0    Conv. (cfs)            292361200.0   23381880.0   151597200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18632.54     382.96   27167.94
  Min Ch El (ft)            565.29    Shear (lb/sq ft)            1.52       3.44       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.92      19.14       1.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    53078.30    2603.04   39936.45
  C & E Loss (ft)             0.00    Cum SA (acres)            638.87      13.81     955.56


CROSS SECTION
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RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267780.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800  1237.6  761.49 1409.64     760 1917.57     760 2313.72  766.96
 2396.09  766.96 2534.17     770 2742.79     770 2832.23  767.93 3138.16  748.13
 3667.66  721.78 3925.41  712.73 4531.17  700.84 4634.23  703.05 4765.85  706.37
 5555.15  695.89 5752.72  701.96 5997.18  688.84 6035.54  686.96 6709.45  686.96
 6956.22  682.45 7210.12  662.86 7310.25  656.96 7405.52  656.96    7530  665.65
 7803.68  694.73 7864.78  696.96 8047.56  690.87 8103.55  690.87 8142.93  689.27
 8275.05  687.44 8355.28  689.59 8484.66   697.8 8722.08  709.58 9111.48  723.91
 9347.93  723.91 9370.23   723.5 9512.83  716.97 9624.97  713.9110487.36  708.91
10823.46  699.0211132.08  674.3111160.89  669.6411316.86  660.8311562.61  653.93
11627.79  655.7812067.87  691.8312407.06     71012915.54  716.9612924.18  717.27
13107.09  719.8513335.45  710.9613401.02  709.87 13523.3  712.6613708.97     720
14079.92     72014137.13  714.5714226.35  706.5714507.16  708.0914700.39  724.25
14773.94     73015204.19     73015743.76  709.1315929.23  677.2915946.35  673.41
16095.13  656.7916292.82  630.3616314.42  628.65   16566  620.8717005.09  614.03
17118.75  613.0419483.63  613.0419703.27     62020077.35     62020481.53  599.13
20651.87  599.1320745.25  596.0920995.59  593.0421533.59  590.0421540.97  588.86
21578.72     58021618.86  574.1321670.32  569.2821721.78  565.2921923.12  572.33
21960.12     58022040.24   614.522099.62  624.2822298.12  661.6222358.85  665.73
22641.64  672.1422717.06  675.4823556.63  726.8323838.13   731.624263.46  731.85
24513.73  736.0924741.18  731.6425254.87  714.6325291.41   711.725566.67  695.06
25715.12  695.3525761.79  698.2725810.67  698.2726057.78  705.2326428.24  712.63
26576.24  716.8126831.69   730.127328.46   744.127537.66  747.3727916.76  742.59
28295.62  730.9528352.18  729.9329067.41   725.329134.57  726.0930167.71  726.09
30532.43  733.0431973.81  712.1832447.43  719.1333192.65  719.1334106.07  716.09
34272.91  716.0934627.49  718.4234735.75  717.5635107.27  712.1835520.03  712.18
36061.11     70036066.82  699.2136214.76   645.336375.04  609.1336399.52  610.38
36511.67  617.7936984.26  631.8937405.32  689.8937494.86  700.8737927.54  702.88
38073.65  697.4838128.32  697.7338506.32  711.6738986.59  719.5439284.95  723.04
39758.14  724.29 40132.1  739.1840355.04  739.7640445.34  737.6840897.48  726.09
41495.41     74041839.51  731.6542160.01  726.9242286.32  723.8542355.31  721.36
42458.05  720.1542802.89  725.4742969.67     73043054.94     73044062.26  710.91
44156.28  707.7444372.02  704.5544599.07  708.1544679.69  706.9644882.36  706.96
44909.33  707.3745079.37  706.72 45351.8  701.4745992.17  683.2546127.79  682.01
46346.28  688.8746462.23  693.57 46984.6  724.51 47279.5  731.6448235.93  739.55
48402.19   741.848879.06  749.3549009.25  754.6549851.97     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1521578.72     .1521960.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21578.7221960.12             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.45    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.30    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1549284.00   71980.09   1214469.00
  E.G. Slope (ft/ft)      0.000293    Area (sq ft)            1549284.00   71980.09   1214469.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5007501.00   400616.30   2595016.00
  Top Width (ft)          46130.22    Top Width (ft)          18613.21     381.40   27135.61
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.23       5.57       2.14
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.24     188.73      44.76
  Conv. Total (cfs)       467270000.0    Conv. (cfs)            292367400.0   23390340.0   151512300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18633.30     383.12   27173.78
  Min Ch El (ft)            565.29    Shear (lb/sq ft)            1.52       3.44       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.92      19.15       1.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    52900.83    2594.79   39797.31
  C & E Loss (ft)             0.00    Cum SA (acres)            636.73      13.77     952.46


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267775.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1237.62   761.5 1409.67     760 1917.62     760 2313.78  766.93
 2396.14  766.93 2534.23     770 2742.85     770 2832.29  767.92 3138.23   748.1
 3667.74  721.79  3925.5  712.75 4531.27  700.85 4634.33  703.04 4765.96  706.34
 5555.27  695.85 5752.85   701.9 5997.31  688.81 6035.68  686.93  6709.6  686.93
 6956.37   682.4 7210.29  662.81 7310.41  656.93 7405.69  656.93 7530.17   665.6
 7803.85  694.69 7864.95  696.93 8047.74   690.8 8103.73   690.8 8143.11   689.2
 8275.24  687.42 8355.47  689.58 8484.85  697.81 8722.28  709.59 9111.69  723.86
 9348.14  723.86 9370.44  723.45 9513.05  716.92 9625.19  713.86 10487.6  708.88
 10823.7  698.9411132.33  674.2311161.14  669.5411317.11  660.7611562.86  653.96
11628.05  655.8212068.14   691.912407.34     71012915.83  716.9312924.47  717.24
13107.39  719.7713335.75  710.8613401.32  709.7713523.61   712.613709.28     720
14080.24     72014137.45  714.5814226.67  706.6214507.49  708.1514700.72  724.27
14774.27     73015204.53     73015744.11   709.215929.59  677.47 15946.7  673.59
16095.49  656.9316293.18  630.4216314.78  628.7216566.37   620.917005.47  614.05
17119.14  613.0719484.06  613.0719703.71     620 20077.8     62020481.99   599.2
20652.33   599.220745.71  596.1420996.06  593.0721534.07  590.0421541.45  588.87
 21579.2     58021619.47  574.1121671.09  569.2721722.72  565.29 21923.8  572.34
21960.75     58022040.89  614.6222100.29  624.3722298.83  661.6322359.57  665.74
22642.42  672.0722717.85  675.39 23557.6  726.7223839.16  731.5324264.57  731.86
 24514.9  736.1424742.39  731.6525256.18  714.5925292.74  711.6625568.04  695.08
25716.53  695.4725763.21  698.41 25812.1  698.4126059.26  705.35 26429.8  712.69
26577.82  716.8526833.33  730.1627330.21  744.1227539.45  747.3527918.62  742.54
28297.55  730.8828354.12  729.86 29069.5  725.3529136.68  726.1430170.03  726.14
30534.82  733.07 31976.5  712.2732450.21   719.233195.59   719.2 34109.2  716.14
34276.07  716.1434630.73  718.4934739.01  717.64 35110.6  712.2735523.45  712.27
36064.64     70036070.36   699.236218.32  645.2536378.62   609.236403.11  610.45
36515.29  617.8536987.98  631.9937409.12  689.8637498.68   700.837931.45  702.81
38077.59  697.3538132.27   697.638510.35  711.6338990.71  719.5439289.13  723.07
39762.42  724.3240136.46  739.1740359.44  739.7640449.77  737.69   40902  726.14
41500.05     74041844.22  731.6842164.79  726.9942291.12  723.9442360.13  721.45
42462.88  720.23 42807.8  725.4842974.61     730 43059.9     73044067.43  710.98
44161.46   707.844377.25  704.5944604.35  708.1344684.98  706.93 44887.7  706.93
44914.67  707.3545084.75  706.7345357.23   701.545997.73  683.2846133.38  682.02
46351.92  688.8446467.89  693.5346990.37  724.4747285.33  731.6348241.95  739.55
48408.24  741.7948885.21  749.3449015.43  754.6449858.32     800
```

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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21579.2     .1521960.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21579.221960.75             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.45    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.30    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1549314.00   72007.85   1214178.00
  E.G. Slope (ft/ft)      0.000293    Area (sq ft)            1549314.00   72007.85   1214178.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5008297.00   400828.90   2594007.00
  Top Width (ft)          46136.76    Top Width (ft)          18613.89     381.55   27141.32
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.23       5.57       2.14
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.23     188.72      44.74
  Conv. Total (cfs)       467200100.0    Conv. (cfs)            292370100.0   23399250.0   151430800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18633.95     383.27   27179.46
  Min Ch El (ft)            565.29    Shear (lb/sq ft)            1.52       3.44       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.92      19.16       1.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    52723.35    2586.55   39658.20
  C & E Loss (ft)             0.00    Cum SA (acres)            634.60      13.73     949.35


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267770.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.65  761.51  1409.7     760 1917.66     760 2313.83  766.91
  2396.2  766.91 2534.29    770 2742.91     770 2832.36   767.9  3138.3  748.08
 3667.82  721.81 3925.58  712.77 4531.37  700.85 4634.44  703.03 4766.06  706.31
 5555.39  695.82 5752.98  701.83 5997.45  688.78 6035.81  686.91 6709.75  686.91
 6956.53  682.34 7210.45  662.77 7310.57  656.91 7405.85  656.91 7530.34  665.55
 7804.03  694.65 7865.13  696.91 8047.92  690.73 8103.91  690.73 8143.29  689.14
 8275.42   687.4 8355.66  689.58 8485.04  697.82 8722.48  709.59 9111.89  723.82
 9348.35  723.82 9370.65   723.4 9513.26  716.86  9625.4  713.8210487.83  708.85
10823.94  698.8511132.58  674.1411161.39  669.4411317.36  660.6911563.12  653.99
11628.32  655.8712068.41  691.9612407.62     71012916.12  716.9112924.76  717.22
13107.68  719.6913336.05  710.7513401.62  709.6613523.91  712.5413709.58     720
14080.55     72014137.76   714.614226.98  706.6714507.81  708.2114701.05  724.29
 14774.6     73015204.87    73015744.46  709.2715929.94  677.6515947.06  673.77
16095.85  657.0816293.54  630.4916315.15  628.7916566.74  620.9317005.85  614.07
17119.52  613.09 19484.5  613.0919704.15     62020078.25     62020482.44  599.27
20652.79  599.2720746.18  596.1820996.53  593.0921534.55  590.0421541.93  588.87
21579.68     58021620.08   574.121671.86  569.2621723.65  565.2821924.49  572.36
21961.39     58022041.55  614.7422100.96  624.4522299.53  661.6422360.29  665.76
 22643.2     67222718.64  675.3123558.57  726.6223840.18  731.4724265.68  731.88
24516.06  736.18 24743.6  731.6625257.49  714.5425294.06  711.6225569.42   695.1
25717.94  695.5925764.63  698.5525813.53  698.5526060.74  705.4726431.35  712.75
26579.41  716.8926834.97  730.2327331.94  744.1427541.23  747.3327920.48  742.48
28299.49  730.8128356.07  729.79 29071.6  725.3929138.79  726.1830172.35  726.18
30537.22  733.09 31979.2  712.37   32453  719.2733198.53  719.2734112.32  716.18
34279.24  716.1834633.96  718.5534742.27  717.7235113.93  712.3735526.87  712.37
36068.16     70036073.88  699.1936221.88   645.236382.22  609.2736406.71  610.51
36518.91  617.91 36991.7  632.0837412.93  689.82 37502.5  700.7337935.36  702.73
38081.53  697.2238136.23  697.4838514.38  711.5938994.84  719.5439293.32  723.09
39766.71  724.3540140.82  739.1740363.85  739.7640454.19   737.740906.52  726.18
41504.69     74041848.93  731.7142169.56  727.0742295.93  724.0342364.95  721.54
42467.72  720.3142812.71   725.542979.56     73043064.86     73044072.59  711.04
44166.65  707.8644382.48  704.6244609.62  708.1244690.28  706.9144893.03  706.91
44920.01  707.3345090.12  706.7545362.66  701.53 46003.3   683.346138.96  682.04
46357.55  688.8146473.55  693.4846996.14  724.4247291.15  731.6348247.98  739.54
 48414.3  741.7948891.37  749.3449021.61  754.6249864.68     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521579.68     .1521961.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21579.6821961.39             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.45    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.30    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1549354.00   72036.73   1213907.00
  E.G. Slope (ft/ft)      0.000294    Area (sq ft)            1549354.00   72036.73   1213907.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5009072.00   401041.40   2593020.00
  Top Width (ft)          46143.48    Top Width (ft)          18614.58     381.71   27147.18
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.23       5.57       2.14
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.23     188.72      44.72
  Conv. Total (cfs)       467136900.0    Conv. (cfs)            292375700.0   23408490.0   151352600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18634.63     383.43   27185.31
  Min Ch El (ft)            565.28    Shear (lb/sq ft)            1.52       3.44       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.93      19.17       1.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    52545.86    2578.30   39519.13
  C & E Loss (ft)             0.00    Cum SA (acres)            632.47      13.68     946.24


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267765.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.68  761.52 1409.73     760  1917.7     760 2313.88  766.89
 2396.25  766.89 2534.34    770 2742.97     770 2832.42  767.89 3138.37  748.05
 3667.91  721.82 3925.67  712.79 4531.47  700.86 4634.54  703.02 4766.17  706.28
 5555.52  695.79 5753.11  701.77 5997.58  688.75 6035.95  686.89  6709.9  686.89
 6956.68  682.28 7210.61  662.73 7310.74  656.89 7406.02  656.89 7530.51   665.5
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  7804.2  694.61 7865.31  696.89  8048.1  690.66  8104.1  690.66 8143.48  689.07
 8275.61  687.38 8355.84  689.58 8485.23  697.83 8722.67  709.59 9112.09  723.77
 9348.56  723.77 9370.86  723.35 9513.47   716.8 9625.62  713.7710488.07  708.82
10824.18  698.7711132.83  674.0611161.64  669.3411317.61  660.6211563.38  654.02
11628.58  655.9112068.68  692.0212407.89     710 12916.4  716.8912925.05   717.2
13107.97  719.6113336.35  710.6513401.92  709.5613524.21  712.4913709.89     720
14080.87     72014138.08  714.62 14227.3  706.7214508.14  708.2814701.38  724.31
14774.93     73015205.21     73015744.81  709.34 15930.3  677.8315947.42  673.95
16096.21  657.2216293.91  630.5616315.51  628.8516567.11  620.9617006.23  614.09
 17119.9  613.1119484.93  613.1119704.59     620 20078.7     620 20482.9  599.34
20653.26  599.3420746.64  596.23   20997  593.1121535.03  590.0421542.41  588.87
21580.16     58021620.69  574.0821672.64  569.2521724.59  565.2821925.17  572.38
21962.03     58022042.21  614.8622101.63  624.5422300.24  661.6622361.02  665.77
22643.98  671.9222719.44  675.2223559.54  726.5223841.21   731.424266.79  731.89
24517.22  736.2324744.81  731.6725258.81   714.525295.38  711.58 25570.8  695.11
25719.35  695.7125766.05  698.6925814.95  698.6926062.22  705.5826432.91  712.81
26580.99  716.94 26836.6   730.327333.68  744.1627543.01  747.3127922.34  742.42
28301.43  730.7428358.02  729.7229073.69  725.43 29140.9  726.2330174.67  726.23
30539.61  733.1131981.89  712.4632455.79  719.3433201.47  719.3434115.45  716.23
 34282.4  716.23 34637.2  718.6234745.52  717.7935117.27  712.4635530.29  712.46
36071.69     70036077.41  699.1936225.44  645.1536385.81  609.3436410.31  610.58
36522.54  617.9736995.41  632.1737416.73  689.7937506.32  700.6637939.27  702.65
38085.47   697.138140.18  697.3538518.41  711.5538998.97  719.5339297.51  723.11
   39771  724.3840145.18  739.1640368.26  739.7640458.62  737.7140911.04  726.23
41509.33     74041853.64  731.7342174.34  727.1542300.73  724.1242369.76  721.63
42472.56  720.3942817.62  725.51 42984.5     73043069.82     73044077.76  711.11
44171.84  707.9244387.71  704.66 44614.9  708.1144695.57  706.8944898.37  706.89
44925.36  707.31 45095.5  706.7645368.09  701.5646008.86  683.3346144.55  682.05
46363.19  688.7846479.21  693.44 47001.9  724.3847296.98  731.62   48254  739.54
48420.36  741.7848897.52  749.3349027.79  754.6149871.03     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521580.16     .1521962.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21580.1621962.03             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.45    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.30    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1549398.00   72064.34   1213638.00
  E.G. Slope (ft/ft)      0.000294    Area (sq ft)            1549398.00   72064.34   1213638.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5009848.00   401242.60   2592044.00
  Top Width (ft)          46150.01    Top Width (ft)          18615.26     381.87   27152.88
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.23       5.57       2.14
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.23     188.71      44.70
  Conv. Total (cfs)       467075500.0    Conv. (cfs)            292382600.0   23417150.0   151275800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18635.28     383.58   27190.99
  Min Ch El (ft)            565.28    Shear (lb/sq ft)            1.52       3.44       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.93      19.17       1.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    52368.38    2570.04   39380.09
  C & E Loss (ft)             0.00    Cum SA (acres)            630.34      13.64     943.13


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267760.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.71  761.53 1409.77     760 1917.74     760 2313.93  766.86
  2396.3  766.86  2534.4    770 2743.03     770 2832.48  767.87 3138.44  748.02
 3667.99  721.83 3925.76  712.81 4531.57  700.86 4634.64  703.01 4766.28  706.26
 5555.64  695.76 5753.23  701.71 5997.71  688.72 6036.08  686.86 6710.05  686.86
 6956.84  682.22 7210.77  662.68  7310.9  656.86 7406.19  656.86 7530.67  665.44
 7804.38  694.57 7865.48  696.86 8048.28  690.59 8104.28  690.59 8143.66  689.01
 8275.79  687.36 8356.03  689.57 8485.42  697.83 8722.87  709.59  9112.3  723.72
 9348.77  723.72 9371.07   723.3 9513.69  716.74 9625.83  713.72 10488.3  708.79
10824.42  698.6811133.08  673.9811161.89  669.2411317.87  660.5511563.64  654.05
11628.83  655.9612068.95  692.0812408.17     71012916.69  716.8612925.34  717.17
13108.27  719.5413336.64  710.5413402.22  709.4613524.51  712.43 13710.2     720
14081.18     72014138.39  714.6414227.62  706.7714508.46  708.34 14701.7  724.32
14775.26     73015205.55     73015745.17  709.4115930.65     67815947.77  674.13
16096.57  657.3716294.27  630.6216315.88  628.9216567.48  620.9917006.61  614.11
17120.29  613.1419485.37  613.1419705.03     62020079.15     62020483.36  599.41
20653.72  599.4120747.11  596.2820997.47  593.1421535.51  590.0421542.89  588.88
21580.65     580 21621.3  574.0721673.41  569.2421725.53  565.2821925.86   572.4
21962.67     58022042.86  614.98 22102.3  624.6322300.95  661.6722361.74  665.79
22644.76  671.8522720.23  675.14 23560.5  726.4223842.23  731.3424267.91   731.9
24518.38  736.2824746.02  731.6925260.12  714.46 25296.7  711.5425572.18  695.13
25720.76  695.8325767.46  698.8325816.38  698.83 26063.7   705.726434.46  712.87
26582.58  716.9826838.24  730.3627335.42  744.1827544.79  747.28 27924.2  742.36
28303.37  730.6728359.97  729.6629075.79  725.4729143.01  726.2830176.99  726.28
30542.01  733.1431984.58  712.5532458.58  719.4133204.41  719.4134118.58  716.28
34285.56  716.2834640.43  718.6834748.78  717.87 35120.6  712.55 35533.7  712.55
36075.22     70036080.94  699.18   36229   645.1 36389.4  609.4136413.91  610.64
36526.16  618.0336999.13  632.2637420.53  689.7637510.15  700.5937943.18  702.58
38089.41  696.9738144.13  697.2238522.44  711.51 39003.1  719.53 39301.7  723.14
39775.28  724.4240149.55  739.1540372.67  739.7640463.04  737.7240915.56  726.28
41513.97     74041858.36  731.7642179.12  727.2342305.54   724.242374.58  721.71
 42477.4  720.4742822.53  725.5342989.45     73043074.79     73044082.93  711.17
44177.02  707.9844392.95  704.6944620.18  708.0944700.87  706.86 44903.7  706.86
 44930.7  707.2945100.88  706.7745373.52  701.5946014.42  683.3546150.14  682.07
46368.82  688.7546484.87  693.3947007.67  724.34 47302.8  731.6248260.02  739.54
48426.41  741.7748903.68  749.3349033.97  754.5949877.39     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521580.65     .1521962.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21580.6521962.67             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.45    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
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  W.S. Elev (ft)            759.30    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1549439.00   72090.20   1213338.00
  E.G. Slope (ft/ft)      0.000294    Area (sq ft)            1549439.00   72090.20   1213338.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5010694.00   401441.60   2590998.00
  Top Width (ft)          46156.80    Top Width (ft)          18616.04     382.02   27158.74
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.23       5.57       2.14
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.23     188.71      44.68
  Conv. Total (cfs)       467004400.0    Conv. (cfs)             292387500.0   23425200.0   151191700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18636.04     383.73   27196.83
  Min Ch El (ft)            565.28    Shear (lb/sq ft)            1.52       3.44       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.93      19.18       1.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    52190.88    2561.79   39241.07
  C & E Loss (ft)             0.00    Cum SA (acres)            628.20      13.59     940.02


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267755.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.74  761.54  1409.8     760 1917.79     760 2313.98  766.84
 2396.36  766.84 2534.46    770 2743.09     770 2832.55  767.85 3138.51  747.99
 3668.07  721.85 3925.85  712.83 4531.68  700.87 4634.75     703 4766.38  706.23
 5555.77  695.73 5753.36  701.65 5997.85  688.69 6036.22  686.84  6710.2  686.84
    6957  682.16 7210.93  662.64 7311.06  656.84 7406.35  656.84 7530.84  665.39
 7804.55  694.53 7865.66  696.84 8048.46  690.52 8104.46  690.52 8143.84  688.95
 8275.98  687.34 8356.22  689.57 8485.61  697.84 8723.06  709.59  9112.5  723.68
 9348.97  723.68 9371.28  723.25  9513.9  716.69 9626.05  713.6810488.54  708.76
10824.67   698.611133.33   673.911162.14  669.1411318.12  660.48 11563.9  654.08
11629.09     65612069.22  692.1412408.45     71012916.98  716.8412925.63  717.15
13108.56  719.4613336.94  710.4413402.51  709.3613524.82  712.38 13710.5     720
 14081.5     72014138.71  714.6614227.94  706.8214508.79   708.414702.03  724.34
14775.59     73015205.89     73015745.52  709.4815931.01  678.1815948.13  674.31
16096.93  657.5216294.64  630.6916316.24  628.9816567.85  621.0217006.99  614.13
17120.67  613.16 19485.8  613.1619705.47     620 20079.6     62020483.82  599.48
20654.18  599.4820747.57  596.3220997.94  593.1621535.99  590.0421543.38  588.88
21581.13     58021621.91  574.0621674.18  569.2221726.46  565.2821926.54  572.42
21963.31     58022043.52   615.122102.96  624.7122301.66  661.6822362.46   665.8
22645.54  671.7722721.03  675.0523561.47  726.3223843.25  731.2724269.02  731.92
24519.55  736.3224747.23   731.725261.44  714.4225298.02   711.525573.56  695.15
25722.17  695.9425768.88  698.9725817.81  698.9726065.18  705.8226436.02  712.93
26584.16  717.0326839.88  730.4327337.16   744.227546.57  747.2627926.06  742.31
 28305.3   730.628361.92  729.5929077.88  725.5129145.12  726.3230179.31  726.32
 30544.4  733.1631987.27  712.6532461.37  719.4833207.35  719.4834121.71  716.32
34288.72  716.3234643.66  718.7534752.04  717.9435123.93  712.6535537.12  712.65
36078.75     70036084.47  699.1836232.55  645.05    36393  609.48 36417.5  610.71
36529.78  618.0937002.85  632.3537424.34  689.7237513.97  700.5237947.09   702.5
38093.35  696.8538148.08   697.138526.47  711.4839007.23  719.5339305.89  723.16
39779.57  724.4540153.91  739.1540377.07  739.7540467.47  737.7240920.08  726.32
41518.61     74041863.07  731.7942183.89  727.3142310.34  724.29 42379.4   721.8
42482.24  720.5442827.44  725.5442994.39     73043079.75     730 44088.1  711.24
44182.21  708.0444398.18  704.7344625.46  708.0844706.16  706.8444909.04  706.84
44936.04  707.2745106.25  706.7845378.95  701.6246019.98  683.3846155.74  682.08
46374.46  688.7246490.52  693.3547013.43   724.347308.63  731.6148266.04  739.53
48432.47  741.7748909.83  749.3249040.15  754.5849883.74     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521581.13     .1521963.31     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21581.1321963.31             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.45    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.30    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1549469.00   72118.30   1213065.00
  E.G. Slope (ft/ft)      0.000294    Area (sq ft)            1549469.00   72118.30   1213065.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5011446.00   401651.10   2590037.00
  Top Width (ft)          46163.41    Top Width (ft)          18616.80     382.18   27164.43
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.23       5.57       2.14
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.23     188.70      44.66
  Conv. Total (cfs)       466937400.0    Conv. (cfs)             292389400.0   23434060.0   151113900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18636.78     383.88   27202.51
  Min Ch El (ft)            565.28    Shear (lb/sq ft)            1.52       3.45       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.93      19.19       1.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    52013.39    2553.53   39102.10
  C & E Loss (ft)             0.00    Cum SA (acres)            626.07      13.55     936.91


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267751.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.76  761.55 1409.83     760 1917.83     760 2314.03  766.82
 2396.41  766.82 2534.51    770 2743.16     770 2832.61  767.84 3138.58  747.97
 3668.15  721.86 3925.94  712.85 4531.78  700.88 4634.85  702.99 4766.49   706.2
 5555.89   695.7 5753.49  701.59 5997.98  688.66 6036.35  686.82 6710.35  686.82
 6957.15  682.11 7211.09   662.6 7311.23  656.82 7406.52  656.82 7531.01  665.34
 7804.73  694.49 7865.83  696.82 8048.64  690.44 8104.64  690.44 8144.02  688.88
 8276.16  687.32 8356.41  689.57  8485.8  697.85 8723.25  709.59  9112.7  723.63
 9349.18  723.63 9371.49   723.2 9514.11  716.63 9626.26  713.6310488.77  708.73
10824.91  698.5111133.58  673.8211162.39  669.0411318.37  660.4111564.16  654.11
11629.35  656.0512069.49   692.212408.72     71012917.27  716.8212925.92  717.12
13108.85  719.3813337.24  710.3413402.81  709.2613525.12  712.3213710.81     720
14081.81     72014139.03  714.6714228.26  706.8714509.11  708.4614702.36  724.36
14775.92     73015206.23     73015745.87  709.5615931.37  678.3615948.49  674.49
16097.29  657.66   16295  630.75 16316.6  629.0516568.22  621.0517007.37  614.15
17121.05  613.1819486.24  613.1819705.91     62020080.05     62020484.28  599.56
20654.64  599.5620748.03  596.37 20998.4  593.1821536.47  590.0421543.86  588.89
21581.61     58021622.52  574.0421674.96  569.21 21727.4  565.2821927.23  572.43
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21963.95     58022044.17  615.2222103.63   624.822302.37  661.6922363.18  665.82
22646.32   671.722721.82  674.9623562.43  726.2223844.28  731.2124270.13  731.93
24520.71  736.3724748.44  731.7125262.75  714.3825299.35  711.4725574.94  695.16
25723.57  696.06 25770.3  699.1125819.24  699.1126066.66  705.9426437.57  712.98
26585.75  717.0726841.52   730.5 27338.9  744.2227548.36  747.2427927.92  742.25
28307.24  730.5328363.87  729.5229079.98  725.5529147.22  726.3730181.64  726.37
 30546.8  733.1831989.96  712.7432464.16  719.5633210.29  719.5634124.83  716.37
34291.89  716.37 34646.9  718.8134755.29  718.0235127.27  712.7435540.54  712.74
36082.28     700   36088  699.1736236.12  644.9936396.59  609.56 36421.1  610.78
36533.39  618.1537006.56  632.4437428.14  689.6937517.79  700.44   37951  702.42
38097.29  696.7238152.04  696.97 38530.5  711.4439011.36  719.5239310.08  723.18
39783.85  724.4840158.27  739.1440381.48  739.75 40471.9  737.73 40924.6  726.37
41523.26     74041867.78  731.8242188.67  727.3842315.14  724.3842384.21  721.89
42487.08  720.6242832.35  725.5642999.33     73043084.71     73044093.27   711.3
44187.39   708.144403.41  704.7644630.73  708.0644711.46  706.8244914.37  706.82
44941.38  707.2545111.62  706.7945384.39  701.6546025.55   683.446161.33   682.1
46380.09  688.6946496.18   693.3 47019.2  724.2547314.46  731.6148272.07  739.53
48438.53  741.7648915.98  749.3249046.34  754.5649890.09     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521581.61     .1521963.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21581.6121963.95             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.44    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.29    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1549507.00   72147.58   1212787.00
  E.G. Slope (ft/ft)      0.000294    Area (sq ft)            1549507.00   72147.58   1212787.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5012233.00   401867.80   2589033.00
  Top Width (ft)          46170.06    Top Width (ft)          18617.41     382.34   27170.31
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.23       5.57       2.13
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.23     188.70      44.64
  Conv. Total (cfs)       466872900.0    Conv. (cfs)            292395000.0   23443470.0   151034500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18637.37     384.04   27208.37
  Min Ch El (ft)            565.28    Shear (lb/sq ft)            1.53       3.45       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.93      19.20       1.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    51835.89    2545.26   38963.15
  C & E Loss (ft)             0.00    Cum SA (acres)            623.94      13.51     933.79


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267746.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.79  761.57 1409.86     760 1917.87     760 2314.09  766.79
 2396.46  766.79 2534.57     770 2743.22     770 2832.67  767.82 3138.65  747.94
 3668.23  721.87 3926.02  712.87 4531.88  700.88 4634.95  702.98  4766.6  706.17
 5556.01  695.66 5753.62  701.53 5998.12  688.63 6036.49  686.79  6710.5  686.79
 6957.31  682.05 7211.25  662.55 7311.39  656.79 7406.68  656.79 7531.18  665.28
  7804.9  694.45 7866.01  696.79 8048.82  690.37 8104.82  690.37 8144.21  688.82
 8276.35   687.3 8356.59  689.56 8485.99  697.86 8723.45  709.59 9112.91  723.58
 9349.39  723.58  9371.7  723.15 9514.32  716.57 9626.48  713.58   10489   708.7
10825.15  698.4311133.83  673.7311162.64  668.9411318.63  660.3411564.42  654.14
11629.62  656.0912069.76  692.26   12409     71012917.56  716.7912926.21   717.1
13109.15   719.313337.54  710.2313403.11  709.1613525.42  712.2613711.12     720
14082.12     72014139.34  714.6914228.57  706.9314509.43  708.5214702.69  724.38
14776.25     73015206.57     73015746.22  709.6315931.72  678.5415948.84  674.67
16097.65  657.8116295.37  630.8216316.97  629.1216568.59  621.0817007.75  614.17
17121.43  613.2119486.68  613.2119706.35     620 20080.5     62020484.73  599.63
 20655.1  599.63 20748.5  596.4220998.88  593.2121536.96  590.0421544.34  588.89
21582.09     58021623.12  574.0321675.73   569.221728.34  565.2821927.92  572.45
21964.59     58022044.83  615.34 22104.3  624.8822303.08   661.7 22363.9  665.83
 22647.1  671.6222722.62  674.88 23563.4  726.12 23845.3  731.1424271.24  731.95
24521.87  736.4224749.65  731.7225264.07  714.3425300.67  711.4325576.31  695.18
25724.98  696.1825771.72  699.2525820.67  699.2526068.13  706.0526439.12  713.04
26587.33  717.1226843.15  730.5727340.64  744.2427550.14  747.2227929.78  742.19
28309.18  730.4628365.82  729.4629082.07  725.5929149.33  726.4230183.96  726.42
30549.19  733.2131992.65  712.8332466.94  719.6333213.23  719.6334127.96  716.42
34295.05  716.4234650.13  718.8734758.55  718.09 35130.6  712.8335543.95  712.83
 36085.8     70036091.53  699.1636239.68  644.9436400.18  609.63 36424.7  610.84
36537.02  618.2137010.28  632.5337431.94  689.6637521.61  700.3737954.91  702.34
38101.23  696.5938155.98  696.8438534.53   711.439015.48  719.5239314.27  723.21
39788.14  724.5240162.63  739.1340385.89  739.7540476.32  737.7440929.12  726.42
 41527.9     74041872.49  731.8542193.45  727.4642319.95  724.4742389.04  721.98
42491.92   720.742837.25  725.5743004.28     73043089.67     73044098.43  711.36
44192.58  708.1644408.64   704.844636.01  708.0544716.75  706.7944919.71  706.79
44946.72  707.23   45117   706.845389.82  701.6746031.11  683.4346166.92  682.11
46385.73  688.6646501.84  693.2547024.96  724.2147320.29   731.648278.09  739.52
48444.58  741.7648922.14  749.3149052.52  754.5449896.45     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521582.09     .1521964.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21582.0921964.59             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.44    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.29    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1549550.00   72175.31   1212506.00
  E.G. Slope (ft/ft)      0.000294    Area (sq ft)            1549550.00   72175.31   1212506.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5013035.00   402072.50   2588026.00
  Top Width (ft)          46176.85    Top Width (ft)          18618.18     382.50   27176.17
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.24       5.57       2.13
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.23     188.69      44.62
  Conv. Total (cfs)       466807600.0    Conv. (cfs)            292400900.0   23452130.0   150954600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18638.12     384.20   27214.21
  Min Ch El (ft)            565.28    Shear (lb/sq ft)            1.53       3.45       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.94      19.20       1.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    51658.38    2537.00   38824.24
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  C & E Loss (ft)             0.00    Cum SA (acres)            621.81      13.46     930.68


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267741.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.82  761.58 1409.89     760 1917.92     760 2314.14  766.77
 2396.52  766.77 2534.63     770 2743.28     770 2832.74  767.81 3138.72  747.91
 3668.32  721.89 3926.11  712.89 4531.98  700.89 4635.06  702.97  4766.7  706.14
 5556.14  695.63 5753.75  701.46 5998.25   688.6 6036.62  686.77 6710.65  686.77
 6957.46  681.99 7211.41  662.51 7311.55  656.77 7406.85  656.77 7531.35  665.23
 7805.08  694.41 7866.18  696.77    8049   690.3    8105   690.3 8144.39  688.75
 8276.53  687.28 8356.78  689.56 8486.18  697.86 8723.65   709.6 9113.11  723.54
  9349.6  723.54 9371.91   723.1 9514.54  716.52  9626.7  713.5410489.24  708.67
10825.39  698.3411134.07  673.6511162.89  668.8411318.88  660.2711564.67  654.17
11629.88  656.1312070.03  692.3212409.28     71012917.85  716.7712926.49  717.07
13109.44  719.2213337.84  710.1313403.41  709.0613525.72  712.2113711.42     720
14082.44     72014139.66  714.7114228.89  706.9814509.76  708.5914703.02   724.4
14776.58     73015206.91     73015746.57   709.715932.08  678.71 15949.2  674.85
16098.01  657.9516295.73  630.8916317.33  629.1816568.96  621.1117008.13  614.19
17121.82  613.2319487.11  613.2319706.79     62020080.94     62020485.19   599.7
20655.56   599.720748.96  596.4620999.34  593.2321537.44  590.0421544.82  588.89
21582.58     58021623.74  574.01 21676.5  569.1921729.27  565.27 21928.6  572.47
21965.23     58022045.48  615.4622104.97  624.9722303.79  661.7222364.62  665.84
22647.88  671.5522723.41  674.7923564.37  726.0223846.33  731.0824272.35  731.96
24523.03  736.4624750.86  731.7425265.38   714.325301.99  711.3925577.69   695.2
25726.39   696.325773.14  699.3925822.09  699.3926069.61  706.1726440.68   713.1
26588.92  717.1626844.79  730.6327342.38  744.2627551.92   747.227931.64  742.14
28311.12  730.3928367.77  729.3929084.17  725.6329151.44  726.4630186.28  726.46
30551.59  733.2331995.34  712.9332469.73   719.733216.17   719.734131.09  716.46
34298.21  716.4634653.37  718.94 34761.8  718.1735133.93  712.9335547.37  712.93
36089.33     70036095.06  699.1636243.23  644.8936403.77   609.7 36428.3  610.91
36540.64  618.27   37014  632.6337435.75  689.6237525.43   700.337958.82  702.27
38105.17  696.4738159.94  696.7138538.56  711.3639019.61  719.5239318.45  723.23
39792.42  724.55   40167  739.13 40390.3  739.7540480.75  737.7540933.64  726.46
41532.54     74041877.21  731.8742198.23  727.5442324.75  724.5642393.85  722.06
42496.76  720.7842842.16  725.5943009.22     73043094.63     730 44103.6  711.43
44197.77  708.2244413.87  704.8344641.29  708.0344722.04  706.7744925.04  706.77
44952.06  707.2145122.38  706.8145395.25   701.746036.68  683.4546172.51  682.13
46391.37  688.63 46507.5  693.2147030.73  724.1747326.11   731.648284.11  739.52
48450.64  741.7548928.29  749.31 49058.7  754.53 49902.8     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521582.58    .1521965.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21582.5821965.23             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.44    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.29    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1549590.00   72202.82   1212215.00
  E.G. Slope (ft/ft)      0.000294    Area (sq ft)            1549590.00   72202.82   1212215.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5013850.00   402282.40   2587001.00
  Top Width (ft)          46183.38    Top Width (ft)          18618.86     382.65   27181.86
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.24       5.57       2.13
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.23     188.69      44.60
  Conv. Total (cfs)       466740700.0    Conv. (cfs)            292406400.0   23461010.0   150873300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18638.77     384.35   27219.89
  Min Ch El (ft)            565.27    Shear (lb/sq ft)            1.53       3.45       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.94      19.21       1.74
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    51480.87    2528.73   38685.36
  C & E Loss (ft)             0.00    Cum SA (acres)            619.67      13.42     927.57


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267736.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.85  761.59 1409.92     760 1917.96     760 2314.19  766.74
 2396.57  766.74 2534.68     770 2743.34     770  2832.8  767.79 3138.79  747.88
  3668.4   721.9  3926.2  712.91 4532.08   700.9 4635.16  702.96 4766.81  706.12
 5556.26   695.6 5753.88   701.4 5998.39  688.57 6036.76  686.74  6710.8  686.74
 6957.62  681.93 7211.58  662.47 7311.72  656.74 7407.01  656.74 7531.52  665.18
 7805.25  694.37 7866.36  696.74 8049.18  690.23 8105.18  690.23 8144.57  688.69
 8276.72  687.27 8356.96  689.56 8486.37  697.87 8723.84   709.6 9113.32  723.49
 9349.81  723.49 9372.12  723.05 9514.75  716.46 9626.91  713.4910489.47  708.64
10825.63  698.2611134.32  673.5711163.14  668.7411319.13   660.211564.93   654.2
11630.13  656.18 12070.3  692.3912409.56     71012918.14  716.7412926.78  717.05
13109.73  719.1513338.14  710.0213403.71  708.9613526.03  712.1513711.73     720
14082.75     72014139.97  714.7314229.21  707.0314510.08  708.6514703.35  724.42
14776.91     73015207.25     73015746.93  709.7715932.43  678.8915949.55  675.03
16098.37   658.116296.09  630.95 16317.7  629.2516569.33  621.1517008.51  614.21
 17122.2  613.2619487.55  613.2619707.23     62020081.39     62020485.65  599.77
20656.03  599.7720749.43  596.5120999.81  593.2621537.92   590.04 21545.3   588.9
21583.06     58021624.35     57421677.28  569.1821730.21  565.2721929.29  572.49
21965.87     58022046.14  615.5822105.64  625.0622304.49  661.7322365.34  665.86
22648.66  671.4722724.21  674.7123565.33  725.9123847.35  731.0124273.46  731.98
 24524.2  736.5124752.07  731.7525266.69  714.2525303.31  711.3525579.07  695.21
 25727.8  696.4225774.56  699.5325823.52  699.5326071.09  706.2926442.23  713.16
 26590.5  717.2126846.43   730.727344.12  744.28 27553.7  747.18 27933.5  742.08
28313.05  730.3228369.71  729.3229086.27  725.6729153.55  726.51 30188.6  726.51
30553.98  733.2631998.03  713.0232472.52  719.7733219.11  719.7734134.22  716.51
34301.37  716.51 34656.6     71934765.06  718.2435137.27  713.0235550.79  713.02
36092.86     70036098.59  699.15 36246.8  644.8436407.37  609.7736431.89  610.97
36544.26  618.3337017.71  632.7237439.55  689.5937529.26  700.2337962.73  702.19
38109.11  696.3438163.89  696.5938542.59  711.3239023.74  719.5139322.64  723.26
39796.71  724.5840171.36  739.1240394.71  739.7540485.18  737.7540938.16  726.51
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41537.18     74041881.92   731.9   42203  727.6242329.55  724.6442398.67  722.15
42501.59  720.8642847.07   725.643014.16     73043099.59     73044108.77  711.49
44202.96  708.28 44419.1  704.8744646.57  708.0244727.34  706.7444930.38  706.74
 44957.4  707.1945127.75  706.8245400.68  701.7346042.24  683.48 46178.1  682.15
   46397   688.646513.16  693.16 47036.5  724.1347331.94  731.5948290.13  739.52
 48456.7  741.7448934.45   749.349064.88  754.5149909.15     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521583.06     .1521965.87     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21583.0621965.87             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.44    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.29    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1549603.00   72230.13   1211942.00
  E.G. Slope (ft/ft)      0.000294    Area (sq ft)            1549603.00   72230.13   1211942.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5014576.00   402491.40   2586066.00
  Top Width (ft)          46190.16    Top Width (ft)          18619.63     382.81   27187.73
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.24       5.57       2.13
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.22     188.68      44.58
  Conv. Total (cfs)       466667500.0    Conv. (cfs)            292402900.0   23469510.0   150795100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18639.52     384.50   27225.75
  Min Ch El (ft)            565.27    Shear (lb/sq ft)            1.53       3.45       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.94      19.22       1.74
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    51303.36    2520.45   38546.51
  C & E Loss (ft)             0.00    Cum SA (acres)            617.54      13.38     924.45


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267731.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.87   761.6 1409.96     760    1918     760 2314.24  766.72
 2396.63  766.72 2534.74     770  2743.4     770 2832.86  767.77 3138.86  747.86
 3668.48  721.92 3926.29  712.93 4532.18   700.9 4635.26  702.95 4766.92  706.09
 5556.39  695.57 5754.01  701.34 5998.52  688.54 6036.89  686.72 6710.95  686.72
 6957.77  681.87 7211.74  662.42 7311.88  656.72 7407.18  656.72 7531.68  665.13
 7805.43  694.33 7866.54  696.72 8049.36  690.16 8105.36  690.16 8144.75  688.62
  8276.9  687.25 8357.15  689.55 8486.56  697.88 8724.04   709.6 9113.52  723.44
 9350.02  723.44 9372.33    723 9514.96   716.4 9627.13  713.4410489.71  708.61
10825.88  698.1811134.57  673.4911163.39  668.6411319.39  660.1311565.19  654.23
11630.39  656.2212070.57  692.4512409.83    71012918.43  716.7212927.07  717.02
13110.02  719.0713338.43  709.9213404.01  708.8613526.33  712.0913712.04     720
14083.07     72014140.29  714.7514229.53  707.0814510.41  708.7114703.67  724.44
14777.24     73015207.59     73015747.28  709.8415932.79  679.0715949.91  675.21
16098.73  658.2416296.46  631.0216318.06  629.3216569.71  621.1817008.89  614.23
17122.58  613.2819487.98  613.2819707.67     62020081.84     62020486.11  599.84
20656.49  599.8420749.89  596.5621000.28  593.28 21538.4  590.0421545.78   588.9
21583.54     58021624.96  573.9921678.05  569.1721731.15  565.2721929.97  572.51
21966.51     580 22046.8   615.7 22106.3  625.14 22305.2  661.7422366.06  665.87
22649.44   671.4   22725  674.62 23566.3  725.8123848.37  730.9524274.57  731.99
24525.36  736.5624753.28  731.7625268.01  714.2125304.63  711.3125580.45  695.23
25729.21  696.5425775.97  699.6725824.95  699.6726072.57   706.426443.79  713.22
26592.09  717.2526848.07  730.7727345.86   744.327555.48  747.1627935.36  742.02
28314.99  730.2528371.66  729.2629088.36  725.7129155.66  726.5630190.92  726.56
30556.38  733.2832000.72  713.1132475.31  719.8433222.05  719.8434137.34  716.56
34304.54  716.5634659.84  719.0734768.32  718.32 35140.6  713.1135554.21  713.11
36096.39     70036102.12  699.1536250.36  644.7936410.96  609.8436435.49  611.04
36547.88  618.3937021.43  632.8137443.35  689.5637533.08  700.1637966.64  702.11
38113.05  696.2138167.84  696.4638546.62  711.2839027.86  719.5139326.83  723.28
   39801  724.6240175.72  739.1140399.11  739.74 40489.6  737.7640942.67  726.56
41541.82     74041886.63  731.9342207.79  727.6942334.36  724.7342403.49  722.24
42506.43  720.9342851.98  725.6243019.11     73043104.55     73044113.93  711.56
44208.14  708.3444424.33   704.944651.84  708.0144732.63  706.7244935.71  706.72
44962.74  707.1745133.13  706.8345406.11  701.76 46047.8   683.546183.69  682.16
46402.64  688.5746518.82  693.1247042.27  724.0847337.77  731.5848296.16  739.51
48462.75  741.74 48940.6   749.349071.06   754.549915.51     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521583.54     .1521966.51     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21583.5421966.51             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.44    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.29    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1549649.00   72258.13   1211665.00
  E.G. Slope (ft/ft)      0.000294    Area (sq ft)            1549649.00   72258.13   1211665.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5015371.00   402695.00   2585067.00
  Top Width (ft)          46196.72    Top Width (ft)          18620.33     382.97   27193.42
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.24       5.57       2.13
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.22     188.68      44.56
  Conv. Total (cfs)       466605100.0    Conv. (cfs)            292410100.0   23478250.0   150716700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18640.20     384.66   27231.42
  Min Ch El (ft)            565.27    Shear (lb/sq ft)            1.53       3.45       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.94      19.23       1.74
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    51125.84    2512.18   38407.69
  C & E Loss (ft)             0.00    Cum SA (acres)            615.41      13.33     921.34


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267726.*

INPUT
Description:
Station Elevation Data    num=     174
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1237.9  761.61 1409.99     760 1918.04     760 2314.29   766.7
 2396.68   766.7  2534.8     770 2743.46     770 2832.93  767.76 3138.93  747.83
 3668.56  721.93 3926.37  712.96 4532.28  700.91 4635.37  702.94 4767.02  706.06
 5556.51  695.54 5754.13  701.28 5998.65  688.51 6037.03   686.7  6711.1   686.7
 6957.93  681.82  7211.9  662.38 7312.04   656.7 7407.34   656.7 7531.85  665.07
  7805.6  694.29 7866.71   696.7 8049.54  690.09 8105.54  690.09 8144.93  688.56
 8277.09  687.23 8357.34  689.55 8486.75  697.89 8724.23   709.6 9113.72   723.4
 9350.23   723.4 9372.54  722.95 9515.17  716.34 9627.34   713.410489.94  708.58
10826.12  698.0911134.82  673.4111163.64  668.5411319.64  660.0611565.45  654.26
11630.65  656.2712070.84  692.5112410.11     71012918.71   716.712927.36     717
13110.32  718.9913338.73  709.8113404.31  708.7613526.63  712.0413712.34     720
14083.38     72014140.61  714.7714229.85  707.1314510.73  708.77   14704  724.46
14777.57     73015207.93     73015747.63  709.9115933.15  679.2515950.27  675.39
16099.09  658.3916296.82  631.0916318.43  629.3816570.07  621.2117009.27  614.25
17122.96   613.319488.42   613.319708.11     62020082.29     62020486.56  599.91
20656.95  599.9120750.35   596.621000.75   593.321538.88  590.0421546.27   588.9
21584.02     58021625.57  573.9721678.82  569.1621732.08  565.2721930.66  572.52
21967.15     58022047.45  615.8222106.97  625.2322305.91  661.7522366.78  665.89
22650.21  671.3222725.79  674.5323567.27  725.71 23849.4  730.8924275.68     732
24526.52   736.624754.48  731.7825269.32  714.1725305.96  711.2725581.83  695.25
25730.62  696.6525777.39  699.8125826.38  699.8126074.05  706.5226445.34  713.28
26593.67  717.29 26849.7  730.83 27347.6  744.3227557.27  747.1427937.22  741.97
28316.93  730.1828373.61  729.1929090.46  725.7529157.77   726.630193.24   726.6
30558.78   733.332003.41  713.21 32478.1  719.9133224.99  719.9134140.47   716.6
 34307.7   716.634663.07  719.1334771.58  718.3935143.93  713.2135557.62  713.21
36099.92     70036105.65  699.1436253.91  644.7436414.55  609.9136439.09  611.11
 36551.5  618.4537025.15   632.937447.16  689.52 37536.9  700.0937970.55  702.04
   38117  696.0938171.79  696.3338550.64  711.2439031.99  719.5139331.02   723.3
39805.28  724.6540180.08  739.1140403.52  739.7440494.03  737.7740947.19   726.6
41546.46     74041891.34  731.9642212.56  727.7742339.16  724.82 42408.3  722.33
42511.27  721.0142856.89  725.6343024.05     73043109.52     730 44119.1  711.62
44213.33   708.444429.56  704.9444657.12  707.9944737.93   706.744941.05   706.7
44968.08  707.15 45138.5  706.8445411.54  701.7946053.36  683.5346189.28  682.18
46408.27  688.5446524.48  693.0747048.03  724.0447343.59  731.5848302.18  739.51
48468.81  741.7348946.76  749.2949077.24  754.4849921.86     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521584.02     .1521967.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21584.0221967.15             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.44    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.29    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1549683.00   72287.49   1211391.00
  E.G. Slope (ft/ft)      0.000294    Area (sq ft)            1549683.00   72287.49   1211391.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5016136.00   402913.30   2584084.00
  Top Width (ft)          46203.41    Top Width (ft)          18621.00     383.13   27199.28
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.24       5.57       2.13
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.22     188.68      44.54
  Conv. Total (cfs)       466540000.0    Conv. (cfs)            292414000.0   23487700.0   150638400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18640.85     384.82   27237.28
  Min Ch El (ft)            565.27    Shear (lb/sq ft)            1.53       3.45       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.94      19.24       1.74
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    50948.32    2503.90   38268.91
  C & E Loss (ft)             0.00    Cum SA (acres)            613.28      13.29     918.22


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267721.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.93  761.62 1410.02     760 1918.09     760 2314.35  766.67
 2396.73  766.67 2534.85     770 2743.52     770 2832.99  767.74    3139   747.8
 3668.64  721.94 3926.46  712.98 4532.38  700.92 4635.47  702.93 4767.13  706.03
 5556.64  695.51 5754.26  701.22 5998.79  688.49 6037.16  686.67 6711.25  686.67
 6958.08  681.76 7212.06  662.34 7312.21  656.67 7407.51  656.67 7532.02  665.02
 7805.77  694.25 7866.89  696.67 8049.72  690.02 8105.73  690.02 8145.12  688.49
 8277.27  687.21 8357.53  689.55 8486.94  697.89 8724.42   709.6 9113.93  723.35
 9350.44  723.35 9372.75   722.9 9515.39  716.29 9627.56  713.3510490.18  708.55
10826.36  698.0111135.07  673.3311163.89  668.4411319.89  659.9911565.71  654.29
11630.92  656.3112071.11  692.5712410.39     710   12919  716.6712927.65  716.98
13110.61  718.9113339.03  709.7113404.61  708.6613526.93  711.9813712.65     720
 14083.7     72014140.92  714.7814230.16  707.1814511.06  708.8414704.33  724.48
 14777.9     73015208.27     73015747.98  709.98 15933.5  679.4215950.62  675.57
16099.45  658.5316297.19  631.1516318.79  629.4516570.45  621.2417009.65  614.27
17123.35  613.3319488.86  613.3319708.55     62020082.74     62020487.02  599.98
20657.41  599.9820750.82  596.6521001.22  593.3321539.36  590.0521546.75  588.91
21584.51     58021626.18  573.96 21679.6  569.1521733.02  565.2721931.34  572.54
21967.79     58022048.11  615.9422107.64  625.3222306.62  661.77 22367.5   665.9
22650.99  671.2522726.59  674.4523568.23  725.6123850.42  730.8224276.79  732.02
24527.68  736.6524755.69  731.7925270.64  714.1325307.28  711.2325583.21  695.26
25732.03  696.7725778.81  699.9525827.81  699.9526075.53  706.64 26446.9  713.34
26595.26  717.3426851.34   730.927349.34  744.3427559.05  747.1227939.08  741.91
28318.87  730.1128375.56  729.1229092.55  725.7929159.88  726.6530195.56  726.65
30561.17  733.33 32006.1   713.332480.88  719.9833227.93  719.98 34143.6  716.65
34310.86  716.65 34666.3   719.234774.83  718.4735147.26   713.335561.04   713.3
36103.45     70036109.18  699.1336257.47  644.6936418.14  609.9836442.69  611.17
36555.12  618.5137028.87  632.9937450.96  689.4937540.72  700.0237974.46  701.96
38120.94  695.9638175.75  696.2138554.68   711.239036.12   719.539335.21  723.33
39809.57  724.6840184.45   739.140407.93  739.7440498.46  737.7840951.71  726.65
41551.11     74041896.05  731.9942217.34  727.8542343.96  724.9142413.12  722.41
42516.11  721.09 42861.8  725.65   43029     73043114.48     73044124.27  711.69
44218.52  708.4644434.79  704.97 44662.4  707.9844743.22  706.6744946.38  706.67
44973.42  707.1345143.88  706.8645416.98  701.8246058.93  683.5546194.87  682.19
46413.91  688.5146530.14  693.03 47053.8     72447349.42  731.57 48308.2  739.51
48474.87  741.7348952.91  749.2949083.42  754.4749928.21     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521584.51     .1521967.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      21584.5121967.79             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.43    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.29    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1549713.00   72312.98   1211089.00
  E.G. Slope (ft/ft)      0.000294    Area (sq ft)            1549713.00   72312.98   1211089.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5016961.00   403113.40   2583059.00
  Top Width (ft)          46210.04    Top Width (ft)          18621.77     383.28   27204.98
  Vel Total (ft/s)            2.82    Avg. Vel. (ft/s)            3.24       5.57       2.13
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.22     188.67      44.52
  Conv. Total (cfs)       466465900.0    Conv. (cfs)            292415600.0   23495630.0   150554600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18641.60     384.96   27242.97
  Min Ch El (ft)            565.27    Shear (lb/sq ft)            1.53       3.45       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.95      19.24       1.74
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    50770.80    2495.62   38130.15
  C & E Loss (ft)             0.00    Cum SA (acres)            611.14      13.24     915.11


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267716.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.96  761.63 1410.05     760 1918.13     760  2314.4  766.65
 2396.79  766.65 2534.91     770 2743.58     770 2833.05  767.73 3139.07  747.78
 3668.73  721.96 3926.55     713 4532.49  700.92 4635.58  702.92 4767.24     706
 5556.76  695.47 5754.39  701.15 5998.92  688.46  6037.3  686.65  6711.4  686.65
 6958.24   681.7 7212.22  662.29 7312.37  656.65 7407.68  656.65 7532.19  664.97
 7805.95  694.21 7867.06  696.65  8049.9  689.95 8105.91  689.95  8145.3  688.43
 8277.46  687.19 8357.71  689.55 8487.13   697.9 8724.62   709.6 9114.13   723.3
 9350.65   723.3 9372.96  722.85  9515.6  716.23 9627.77  713.310490.41  708.52
 10826.6  697.9211135.32  673.2411164.13  668.3411320.14  659.9211565.97  654.32
11631.17  656.3612071.38  692.6312410.67     71012919.29  716.6512927.94  716.95
 13110.9  718.8313339.33  709.6113404.91  708.5613527.23  711.9213712.96     720
14084.01     72014141.24   714.814230.48  707.2314511.38   708.914704.66   724.5
14778.23     73015208.61    73015748.33  710.0515933.86   679.615950.98  675.75
16099.81  658.6816297.55  631.2216319.16  629.5216570.82  621.2717010.03  614.29
17123.73  613.3519489.29  613.3519708.99     62020083.19     62020487.48  600.05
20657.87  600.0520751.28   596.721001.69  593.3521539.84  590.0521547.23  588.91
21584.99     58021626.79  573.9521680.37  569.1421733.96  565.2721932.03  572.56
21968.43     58022048.76  616.0622108.31   625.422307.33  661.7822368.22  665.92
22651.77  671.1722727.38  674.36 23569.2  725.5123851.45  730.7624277.91  732.03
24528.85   736.7 24756.9   731.825271.95  714.09 25308.6  711.1925584.58  695.28
25733.44  696.8925780.23  700.0925829.23  700.0926077.01  706.7626448.45  713.39
26596.84  717.3826852.98  730.9727351.07  744.3627560.83   747.127940.94  741.85
 28320.8  730.0328377.51  729.0529094.65  725.8429161.99   726.730197.88   726.7
30563.57  733.3532008.79   713.432483.67  720.0533230.88  720.0534146.73   716.7
34314.02   716.734669.54  719.2634778.09  718.5535150.59   713.435564.46   713.4
36106.97     70036112.71  699.1336261.04  644.6336421.74  610.0536446.29  611.24
36558.74  618.5737032.59  633.0837454.77  689.4637544.54  699.9537978.38  701.88
38124.88  695.84 38179.7  696.08 38558.7  711.1639040.25   719.5 39339.4  723.35
39813.85  724.7140188.81   739.140412.34  739.7440502.88  737.7940956.23   726.7
41555.75     74041900.77  732.0242222.12  727.9342348.77     72542417.94   722.5
42520.95  721.1742866.71  725.6643033.94     73043119.44     73044129.44  711.75
 44223.7  708.5244440.02  705.0144667.68  707.9644748.51  706.6544951.72  706.65
44978.77  707.1145149.26  706.8745422.41  701.8546064.49  683.5846200.46  682.21
46419.54  688.48 46535.8  692.9847059.56  723.9647355.25  731.5748314.22   739.5
48480.92  741.7248959.07  749.28 49089.6  754.4549934.57     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521584.99     .1521968.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21584.9921968.43             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.43    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.28    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1549765.00   72340.74   1210794.00
  E.G. Slope (ft/ft)      0.000294    Area (sq ft)            1549765.00   72340.74   1210794.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5017821.00   403317.30   2581995.00
  Top Width (ft)          46216.67    Top Width (ft)          18622.38     383.44   27210.84
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.24       5.58       2.13
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.22     188.66      44.50
  Conv. Total (cfs)       466402000.0    Conv. (cfs)            292425700.0   23504300.0   150472000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18642.19     385.12   27248.82
  Min Ch El (ft)            565.27    Shear (lb/sq ft)            1.53       3.45       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.95      19.25       1.74
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    50593.27    2487.33   37991.43
  C & E Loss (ft)             0.00    Cum SA (acres)            609.01      13.20     911.99


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267711.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1237.98  761.65 1410.08     760 1918.17     760 2314.45  766.63
 2396.84  766.63 2534.97     770 2743.65     770 2833.12  767.71 3139.14  747.75
 3668.81  721.97 3926.64  713.02 4532.59  700.93 4635.68  702.91 4767.34  705.98
 5556.88  695.44 5754.52  701.09 5999.06  688.43 6037.43  686.63 6711.55  686.63
  6958.4  681.64 7212.38  662.25 7312.53  656.63 7407.84  656.63 7532.36  664.92
 7806.12  694.17 7867.24  696.63 8050.08  689.88 8106.09  689.88 8145.48  688.36
 8277.64  687.17  8357.9  689.54 8487.32  697.91 8724.82   709.6 9114.33  723.26
 9350.86  723.26 9373.17   722.8 9515.81  716.17 9627.99  713.2610490.65  708.49
10826.84  697.8411135.57  673.1611164.38  668.24 11320.4  659.8511566.22  654.35
11631.43   656.412071.65  692.6912410.94     71012919.58  716.6312928.23  716.93
 13111.2  718.7613339.63   709.513405.21  708.4613527.54  711.8713713.26     720
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14084.33     72014141.55  714.82 14230.8  707.28 14511.7  708.9614704.99  724.52
14778.56     73015208.95     73015748.69  710.1215934.21  679.7815951.34  675.93
16100.17  658.8216297.92  631.2816319.52  629.5816571.19   621.317010.41  614.31
17124.11  613.3719489.73  613.3719709.43     62020083.64     62020487.94  600.12
20658.33  600.1220751.74  596.7421002.16  593.3721540.32  590.0521547.71  588.92
21585.47     58021627.39  573.9321681.14  569.1321734.89  565.2621932.71  572.58
21969.07     58022049.42  616.1822108.98  625.4922308.04  661.7922368.95  665.93
22652.55   671.122728.18  674.2823570.17  725.4123852.47  730.6924279.02  732.05
24530.01  736.7424758.11  731.8125273.27  714.0525309.92  711.1525585.96   695.3
25734.84  697.0125781.65  700.2325830.66  700.2326078.49  706.8726450.01  713.45
26598.43  717.4326854.62  731.0427352.81  744.3827562.61  747.08 27942.8  741.79
28322.74  729.9628379.46  728.9929096.74  725.88 29164.1  726.74 30200.2  726.74
30565.96  733.3732011.49  713.4932486.46  720.1233233.82  720.1234149.86  716.74
34317.18  716.7434672.77  719.3334781.35  718.6235153.93  713.4935567.88  713.49
 36110.5     70036116.24  699.1236264.59  644.5836425.33  610.1236449.88   611.3
36562.36  618.62 37036.3  633.1837458.57  689.4237548.37  699.8837982.29  701.81
38128.82  695.7138183.65  695.9538562.73  711.1239044.38   719.539343.59  723.37
39818.14  724.7540193.17  739.0940416.75  739.7440507.31  737.7940960.75  726.74
41560.39     74041905.48  732.0442226.89  728.0142353.57  725.0842422.76  722.59
42525.79  721.2542871.62  725.6843038.88     730 43124.4     73044134.61  711.81
44228.89  708.5844445.25  705.0444672.95  707.9544753.81  706.6344957.05  706.63
44984.11  707.0945154.63  706.8845427.84  701.8846070.05   683.646206.05  682.22
46425.18  688.4546541.46  692.9347065.33  723.9247361.07  731.5648320.25   739.5
48486.98  741.7148965.22  749.2849095.78  754.4349940.92     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521585.47     .1521969.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21585.4721969.07             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.43    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.28    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1549801.00   72370.20   1210545.00
  E.G. Slope (ft/ft)      0.000295    Area (sq ft)            1549801.00   72370.20   1210545.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5018528.00   403532.90   2581072.00
  Top Width (ft)          46223.45    Top Width (ft)          18623.14     383.60   27216.71
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.24       5.58       2.13
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.22     188.66      44.48
  Conv. Total (cfs)       466341900.0    Conv. (cfs)             292429200.0   23513830.0   150398800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18642.93     385.27   27254.67
  Min Ch El (ft)            565.26    Shear (lb/sq ft)            1.53       3.45       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.95      19.26       1.74
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    50415.73    2479.04   37852.75
  C & E Loss (ft)             0.00    Cum SA (acres)            606.88      13.16     908.87


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267706.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.01  761.66 1410.11     760 1918.22     760  2314.5   766.6
 2396.89   766.6 2535.02     770 2743.71     770 2833.18   767.7 3139.21  747.72
 3668.89  721.98 3926.73  713.04 4532.69  700.94 4635.78   702.9 4767.45  705.95
 5557.01  695.41 5754.65  701.03 5999.19   688.4 6037.57   686.6  6711.7   686.6
 6958.55  681.58 7212.54  662.21  7312.7   656.6 7408.01   656.6 7532.53  664.86
  7806.3  694.13 7867.42   696.6 8050.26  689.81 8106.27  689.81 8145.66   688.3
 8277.83  687.15 8358.09  689.54 8487.51  697.92 8725.01  709.61 9114.54  723.21
 9351.06  723.21 9373.38  722.75 9516.02  716.12  9628.2  713.2110490.88  708.46
10827.09  697.7511135.82  673.0811164.63  668.1411320.65  659.7811566.48  654.38
11631.69  656.4512071.92  692.7512411.22     71012919.87   716.612928.52   716.9
13111.49  718.6813339.92   709.413405.51  708.3613527.84  711.8113713.57     720
14084.64     72014141.87  714.8414231.12  707.3314512.03  709.0214705.32  724.54
14778.89     73015209.29     73015749.04  710.1915934.57  679.9615951.69  676.12
16100.53  658.9716298.28  631.3516319.89  629.6516571.56  621.3317010.79  614.33
 17124.5   613.419490.16   613.419709.87     62020084.09     620 20488.4  600.19
 20658.8  600.1920752.21  596.7921002.63   593.421540.81  590.0521548.19  588.92
21585.95     58021628.01  573.9221681.92  569.1121735.83  565.26 21933.4  572.59
21969.71     58022050.08  616.2922109.64  625.5822308.75   661.822369.67  665.95
22653.33  671.0322728.97  674.1923571.13  725.3123853.49  730.6324280.13  732.06
24531.17  736.7924759.32  731.8325274.58  714.0125311.24  711.1125587.34  695.31
25736.25  697.1325783.07  700.3725832.09  700.3726079.96  706.9926451.56  713.51
26600.01  717.4726856.25   731.127354.55   744.427564.39  747.0627944.66  741.74
28324.68  729.8928381.41  728.9229098.84  725.9229166.21  726.7930202.52  726.79
30568.36   733.432014.18  713.5832489.25  720.1933236.75  720.1934152.98  716.79
34320.34  716.7934676.01  719.39 34784.6   718.735157.26  713.5835571.29  713.58
36114.03     70036119.77  699.1236268.15  644.5336428.92  610.1936453.48  611.37
36565.98  618.6837040.02  633.2737462.37  689.3937552.19  699.81 37986.2  701.73
38132.76  695.58 38187.6  695.8338566.76  711.08 39048.5  719.4939347.78   723.4
39822.42  724.7840197.53  739.0840421.15  739.7440511.73   737.840965.27  726.79
41565.03     74041910.19  732.0742231.67  728.0842358.38  725.1742427.57  722.68
42530.63  721.3342876.53  725.6943043.82     73043129.36     73044139.77  711.88
44234.08  708.6444450.48  705.0844678.23  707.93 44759.1   706.644962.39   706.6
44989.45  707.0745160.01  706.8945433.27   701.946075.61  683.6346211.64  682.24
46430.81  688.4246547.12  692.8947071.09  723.87 47366.9  731.5648326.27   739.5
48493.04  741.7148971.38  749.2749101.96  754.4249947.27     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521585.95     .1521969.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21585.9521969.71             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.43    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.28    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1549828.00   72399.95   1210249.00
  E.G. Slope (ft/ft)      0.000295    Area (sq ft)            1549828.00   72399.95   1210249.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5019320.00   403759.00   2580054.00
  Top Width (ft)          46229.98    Top Width (ft)          18623.82     383.76   27222.40
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.24       5.58       2.13
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  Max Chl Dpth (ft)          194.02    Hydr. Depth (ft)           83.22     188.66      44.46
  Conv. Total (cfs)        466271000.0    Conv. (cfs)            292430900.0   23523420.0   150316700.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18643.59     385.43   27260.36
  Min Ch El (ft)             565.26    Shear (lb/sq ft)            1.53       3.45       0.82
  Alpha                        1.20    Stream Power (lb/ft s)      4.95      19.27       1.74
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    50238.20    2470.75   37714.09
  C & E Loss (ft)              0.00    Cum SA (acres)            604.74      13.11     905.75


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267701.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.04  761.67 1410.14     760 1918.26     760 2314.55  766.58
 2396.95  766.58 2535.08     770 2743.77     770 2833.24  767.68 3139.29  747.69
 3668.97     722 3926.81  713.06 4532.79  700.94 4635.89  702.89 4767.56  705.92
 5557.13  695.38 5754.78  700.97 5999.32  688.37  6037.7  686.58 6711.85  686.58
 6958.71  681.53  7212.7  662.16 7312.86  656.58 7408.17  656.58 7532.69  664.81
 7806.47  694.08 7867.59  696.58 8050.44  689.74 8106.45  689.74 8145.84  688.23
 8278.01  687.13 8358.27  689.54  8487.7  697.92 8725.21  709.61 9114.74  723.16
 9351.27  723.16 9373.59   722.7 9516.24  716.06 9628.42  713.1610491.12  708.43
10827.33  697.6711136.06     67311164.88  668.04 11320.9  659.7111566.74  654.41
11631.95  656.4912072.19  692.81 12411.5     71012920.16  716.5812928.81  716.88
13111.78   718.613340.22  709.2913405.81  708.2613528.14  711.7513713.88     720
14084.96     72014142.19  714.8614231.44  707.3814512.35  709.0814705.65  724.56
14779.22     73015209.63     73015749.39  710.2615934.93  680.1315952.05   676.3
16100.88  659.1216298.64  631.4216320.25  629.7216571.93  621.3617011.17  614.35
17124.88  613.42 19490.6  613.4219710.31     62020084.54     62020488.85  600.26
20659.26  600.2620752.67  596.84 21003.1  593.4221541.29  590.0521548.67  588.92
21586.44     58021628.62   573.921682.69   569.121736.77  565.2621934.09  572.61
21970.34     58022050.73  616.4122110.31  625.6622309.46  661.8222370.39  665.96
22654.11  670.9522729.77  674.11 23572.1   725.223854.52  730.5624281.24  732.08
24532.33  736.8424760.53  731.8425275.89  713.9725312.56  711.0725588.72  695.33
25737.66  697.2425784.48  700.5225833.52  700.5226081.44  707.1126453.12  713.57
 26601.6  717.5226857.89  731.1727356.29  744.4227566.18  747.0427946.52  741.68
28326.61  729.8228383.36  728.8529100.93  725.9629168.31  726.8430204.84  726.84
30570.75  733.4232016.87  713.6832492.04  720.26 33239.7  720.2634156.11  716.84
 34323.5  716.8434679.24  719.4634787.86  718.7735160.59  713.6835574.71  713.68
36117.56     700 36123.3  699.1136271.71  644.4836432.52  610.2636457.08  611.44
 36569.6  618.7437043.74  633.3637466.18  689.3637556.01  699.7437990.11  701.65
 38136.7  695.4638191.55   695.738570.79  711.0439052.63  719.4939351.96  723.42
39826.71  724.8140201.89  739.0840425.56  739.7340516.16  737.8140969.79  726.84
41569.67     740 41914.9   732.142236.45  728.1642363.18  725.2642432.39  722.76
42535.47   721.442881.44  725.7143048.77     73043134.32     73044144.94  711.94
44239.26   708.744455.71  705.1144683.51  707.9244764.39  706.5844967.73  706.58
44994.79  707.0545165.39   706.9 45438.7  701.9346081.18  683.6546217.23  682.25
46436.45  688.3946552.77  692.8447076.86  723.8347372.73  731.5548332.29  739.49
48499.09   741.748977.53  749.2749108.14   754.449953.63     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521586.44     .1521970.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21586.4421970.34             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.43    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.28    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                       Flow Area (sq ft)       1549880.00   72424.31   1209965.00
  E.G. Slope (ft/ft)      0.000295     Area (sq ft)            1549880.00   72424.31   1209965.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5020157.00   403946.10   2579031.00
  Top Width (ft)          46236.76     Top Width (ft)          18624.59     383.90   27228.27
  Vel Total (ft/s)            2.83     Avg. Vel. (ft/s)            3.24       5.58       2.13
  Max Chl Dpth (ft)          194.02    Hydr. Depth (ft)           83.22     188.65      44.44
  Conv. Total (cfs)       466206800.0    Conv. (cfs)            292439400.0   23531090.0   150236400.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18644.34     385.57   27266.22
  Min Ch El (ft)             565.26    Shear (lb/sq ft)            1.53       3.46       0.82
  Alpha                        1.20    Stream Power (lb/ft s)      4.95      19.27       1.74
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    50060.65    2462.46   37575.46
  C & E Loss (ft)              0.00    Cum SA (acres)            602.61      13.07     902.64


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267696.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.07  761.68 1410.18     760  1918.3     760  2314.6  766.56
    2397  766.56 2535.14     770 2743.83     770 2833.31  767.66 3139.36  747.67
 3669.05  722.01  3926.9  713.08 4532.89  700.95 4635.99  702.88 4767.66  705.89
 5557.26  695.35 5754.91  700.91 5999.46  688.34 6037.84  686.56    6712  686.56
 6958.86  681.47 7212.86  662.12 7313.02  656.56 7408.34  656.56 7532.86  664.76
 7806.65  694.04 7867.77  696.56 8050.62  689.67 8106.63  689.67 8146.03  688.17
  8278.2  687.11 8358.46  689.53 8487.89  697.93  8725.4  709.61 9114.94  723.11
 9351.48  723.11 9373.79  722.65 9516.45     716 9628.63  713.1110491.35   708.4
10827.57  697.5811136.31  672.9211165.13  667.9411321.16  659.64   11567  654.44
11632.21  656.5312072.46  692.8712411.78     71012920.45  716.5612929.09  716.85
13112.08  718.5213340.52  709.1913406.11  708.1613528.44   711.713714.18     720
14085.27     720 14142.5  714.8814231.75  707.4314512.68  709.1514705.98  724.58
14779.55     73015209.97     73015749.74  710.3315935.28  680.3115952.41  676.48
16101.25  659.2616299.01  631.4816320.62  629.78 16572.3  621.3917011.55  614.37
17125.26  613.4419491.03  613.4419710.75     62020084.98     62020489.31  600.33
20659.72  600.3320753.13  596.8921003.57  593.4421541.77  590.0521549.15  588.93
21586.92     58021629.22  573.8921683.46  569.0921737.71  565.2621934.77  572.63
21970.98     58022051.39  616.5322110.98  625.7522310.16  661.8322371.11  665.97
22654.89  670.8822730.56  674.0223573.06   725.123855.54   730.524282.35  732.09
 24533.5  736.8924761.74  731.8525277.21  713.9225313.89  711.03 25590.1  695.35
25739.07  697.36 25785.9  700.6625834.95  700.6626082.92  707.2226454.67  713.63
26603.18  717.5626859.53  731.2427358.03  744.4427567.96  747.0227948.38  741.62
28328.55  729.7528385.31  728.7929103.03     72629170.42  726.8930207.17  726.89
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30573.15  733.4432019.56  713.7732494.82  720.3333242.64  720.3334159.24  716.89
34326.67  716.8934682.48  719.5234791.12  718.8535163.93  713.7735578.13  713.77
36121.09     70036126.82   699.136275.27  644.4336436.11  610.3336460.68   611.5
36573.22   618.837047.46  633.4537469.98  689.3237559.83  699.6737994.02  701.57
38140.64  695.33 38195.5  695.5738574.82     71139056.76  719.4939356.15  723.44
39830.99  724.8540206.26  739.0740429.97  739.7340520.59  737.8240974.31  726.89
41574.31     74041919.61  732.1342241.23  728.2442367.98  725.3542437.21  722.85
 42540.3  721.4842886.35  725.7243053.71     73043139.28     73044150.11  712.01
44244.45  708.7644460.95  705.1544688.79  707.9144769.69  706.5644973.06  706.56
45000.13  707.0345170.76  706.9145444.13  701.9646086.74  683.6846222.82  682.27
46442.09  688.3646558.43   692.847082.63  723.7947378.55  731.5548338.31  739.49
48505.15   741.748983.68  749.2649114.32  754.3949959.98     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521586.92     .1521970.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21586.9221970.98             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.43    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.28    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1549925.00   72452.07   1209670.00
  E.G. Slope (ft/ft)      0.000295    Area (sq ft)            1549925.00   72452.07   1209670.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5020992.00   404152.20   2577989.00
  Top Width (ft)          46243.31    Top Width (ft)          18625.28     384.06   27233.97
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.24       5.58       2.13
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.22     188.65      44.42
  Conv. Total (cfs)       466140900.0    Conv. (cfs)            292446700.0   23539760.0   150154500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18645.01     385.73   27271.91
  Min Ch El (ft)            565.26    Shear (lb/sq ft)            1.53       3.46       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.96      19.28       1.74
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    49883.11    2454.16   37436.88
  C & E Loss (ft)             0.00    Cum SA (acres)            600.47      13.02     899.52


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267691.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.09  761.69 1410.21     760 1918.34     760 2314.66  766.53
 2397.05  766.53 2535.19    770 2743.89     770 2833.37  767.65 3139.43  747.64
 3669.14  722.03 3926.99   713.1 4532.99  700.96 4636.09  702.87 4767.77  705.86
 5557.38  695.32 5755.03  700.85 5999.59  688.31 6037.97  686.53 6712.15  686.53
 6959.02  681.41 7213.03  662.08 7313.19  656.53  7408.5  656.53 7533.03   664.7
 7806.82     694 7867.94  696.53  8050.8   689.6 8106.81   689.6 8146.21   688.1
 8278.38  687.09 8358.65  689.53 8488.08  697.94 8725.59  709.61 9115.15  723.07
 9351.69  723.07    9374   722.6 9516.66  715.94 9628.85  713.0710491.58  708.37
10827.81   697.511136.56  672.8311165.38  667.8411321.41  659.5711567.26  654.47
11632.47  656.5812072.73  692.9412412.05     71012920.74  716.5312929.38  716.83
13112.37  718.4413340.82  709.0813406.41  708.0613528.75  711.6413714.49     720
14085.59     72014142.82  714.8914232.07  707.48   14513  709.21 14706.3   724.6
14779.88     73015210.31    73015750.09   710.415935.64  680.4915952.76  676.66
 16101.6  659.4116299.37  631.5516320.98  629.8516572.67  621.4217011.93  614.39
17125.64  613.4719491.47  613.47 19711.2     62020085.43     62020489.77   600.4
20660.18   600.4 20753.6  596.9321004.04  593.4721542.25  590.0521549.64  588.93
 21587.4     58021629.84  573.8821684.24  569.0821738.64  565.2621935.46  572.65
21971.62     58022052.04  616.6522111.65  625.8422310.87  661.8422371.83  665.99
22655.67   670.822731.36  673.9323574.03     72523856.57  730.4324283.46   732.1
24534.66  736.9324762.95  731.8625278.52  713.8825315.21  710.9925591.47  695.36
25740.48  697.4825787.32   700.825836.38   700.8 26084.4  707.3426456.23  713.69
26604.77  717.6126861.17   731.327359.77  744.4627569.74     74727950.23  741.57
28330.49  729.6828387.26  728.7229105.12  726.0429172.53  726.9330209.49  726.93
30575.54  733.4732022.25  713.8632497.61   720.433245.58   720.434162.37  716.93
34329.83  716.9334685.71  719.5934794.38  718.9235167.26  713.8635581.54  713.86
36124.62     70036130.36   699.136278.83  644.38 36439.7   610.436464.27  611.57
36576.84  618.8637051.17  633.5437473.78  689.2937563.66   699.637997.93   701.5
38144.58  695.2138199.46  695.4438578.85  710.9639060.89  719.4839360.34  723.47
39835.28  724.8840210.62  739.0640434.38  739.7340525.02  737.8240978.83  726.93
41578.96     74041924.32  732.16   42246  728.3242372.79  725.4442442.03  722.94
42545.14  721.5642891.26  725.7443058.66     73043144.24     73044155.27  712.07
44249.64  708.8144466.18  705.1844694.06  707.8944774.98  706.53 44978.4  706.53
45005.47  707.0145176.14  706.9245449.57  701.99 46092.3   683.746228.41  682.28
46447.72  688.3346564.09  692.7547088.39  723.7547384.38  731.5448344.34  739.49
48511.21  741.6948989.84  749.2649120.51  754.3749966.34     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21587.4     .1521971.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21587.421971.62             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.43    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.28    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1549943.00   72479.44   1209423.00
  E.G. Slope (ft/ft)      0.000295    Area (sq ft)            1549943.00   72479.44   1209423.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5021673.00   404355.40   2577105.00
  Top Width (ft)          46250.02    Top Width (ft)          18625.95     384.22   27239.84
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.24       5.58       2.13
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.21     188.64      44.40
  Conv. Total (cfs)       466075500.0    Conv. (cfs)            292445300.0   23548300.0   150081900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18645.67     385.88   27277.78
  Min Ch El (ft)            565.26    Shear (lb/sq ft)            1.53       3.46       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.96      19.29       1.74
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    49705.55    2445.86   37298.32
  C & E Loss (ft)             0.00    Cum SA (acres)            598.34      12.98     896.40


CROSS SECTION
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RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267686.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1238.12   761.7 1410.24     760 1918.39     760 2314.71  766.51
  2397.11  766.51 2535.25     770 2743.95     770 2833.43  767.63  3139.5  747.61
  3669.22  722.04 3927.08  713.12 4533.09  700.96  4636.2  702.86 4767.88  705.84
  5557.51  695.28 5755.16  700.78 5999.73  688.28 6038.11  686.51  6712.3  686.51
  6959.17  681.35 7213.19  662.03 7313.35  656.51 7408.67  656.51  7533.2  664.65
     7807  693.96 7868.12  696.51 8050.98  689.53 8106.99  689.53 8146.39  688.04
  8278.57  687.07 8358.83  689.53 8488.27  697.95 8725.79  709.61 9115.35  723.02
   9351.9  723.02 9374.21  722.55 9516.88  715.89 9629.06  713.0210491.82  708.34
 10828.05  697.4211136.81  672.7511165.63  667.7411321.66   659.511567.52   654.5
 11632.73  656.62   12073     69312412.33     71012921.02  716.5112929.67   716.8
 13112.66  718.3713341.12  708.9813406.71  707.9613529.05  711.5813714.79     720
  14085.9     72014143.13  714.9114232.39  707.5314513.33  709.2714706.63  724.62
 14780.21     73015210.65     73015750.45  710.47   15936  680.6715953.12  676.84
 16101.96  659.5516299.74  631.6116321.35  629.9216573.04  621.4517012.31  614.41
 17126.03  613.49 19491.9  613.4919711.63     62020085.88     62020490.23  600.47
 20660.64  600.4720754.06  596.9821004.51  593.4921542.73  590.0521550.12  588.94
 21587.88     58021630.45  573.8621685.01  569.0721739.58  565.2621936.14  572.67
 21972.26     580 22052.7  616.7722112.32  625.9222311.58  661.8522372.55     666
 22656.45  670.7322732.15  673.85   23575   724.923857.59  730.3724284.57  732.12
 24535.82  736.9824764.16  731.8825279.84  713.8425316.53  710.9525592.85  695.38
 25741.89   697.625788.74  700.94 25837.8  700.9426085.88  707.4626457.78  713.74
 26606.35  717.65 26862.8  731.3727361.51  744.4827571.52  746.98 27952.1  741.51
 28332.43  729.6128389.21  728.6529107.22  726.0829174.64  726.9830211.81  726.98
 30577.94  733.4932024.94  713.96 32500.4  720.4733248.52  720.47 34165.5  716.98
 34332.99  716.9834688.95  719.6534797.63     71935170.59  713.9635584.96  713.96
 36128.14     70036133.88  699.0936282.39  644.3236443.29  610.4736467.87  611.63
 36580.46  618.9237054.89  633.6337477.59  689.2637567.48  699.5338001.84  701.42
 38148.52  695.0838203.41  695.3238582.88  710.9239065.01  719.4839364.53  723.49
 39839.57  724.9140214.98  739.0640438.79  739.7340529.44  737.8340983.34  726.98
  41583.6     74041929.04  732.1842250.78  728.3942377.59  725.5242446.85  723.03
 42549.98  721.6442896.17  725.76 43063.6     730 43149.2     73044160.44  712.14
 44254.82  708.8744471.41  705.2244699.34  707.8844780.28  706.5144983.73  706.51
 45010.81  706.9945181.51  706.93   45455  702.0246097.87  683.73   46234   682.3
 46453.36   688.346569.75  692.7147094.16   723.7 47390.2  731.5348350.36  739.48
 48517.26  741.6848995.99  749.2549126.69  754.3649972.69     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1521587.88     .1521972.26     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21587.8821972.26             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.27    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1549995.00   72507.68   1209121.00
  E.G. Slope (ft/ft)      0.000295    Area (sq ft)            1549995.00   72507.68   1209121.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5022531.00   404565.50   2576037.00
  Top Width (ft)          46256.63    Top Width (ft)          18626.72     384.38   27245.54
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.24       5.58       2.13
  Max Chl Dpth (ft)         194.01    Hydr. Depth (ft)           83.21     188.64      44.38
  Conv. Total (cfs)       466009800.0    Conv. (cfs)            292454000.0   23557210.0   149998600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18646.42     386.04   27283.46
  Min Ch El (ft)            565.26    Shear (lb/sq ft)            1.53       3.46       0.82
  Alpha                       1.20    Stream Power (lb/ft s)      4.96      19.30       1.74
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    49528.00    2437.55   37159.79
  C & E Loss (ft)             0.00    Cum SA (acres)            596.21      12.94     893.28


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267681.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1238.15  761.71 1410.27     760 1918.43     760 2314.76  766.49
  2397.16  766.49 2535.31     770 2744.01     770  2833.5  767.62 3139.57  747.58
   3669.3  722.05 3927.16  713.14  4533.2  700.97  4636.3  702.85 4767.98  705.81
  5557.63  695.25 5755.29  700.72 5999.86  688.25 6038.24  686.49 6712.45  686.49
  6959.33  681.29 7213.35  661.99 7313.52  656.49 7408.83  656.49 7533.37   664.6
  7807.17  693.92 7868.29  696.49 8051.16  689.46 8107.18  689.46 8146.57  687.97
  8278.75  687.05 8359.02  689.52 8488.46  697.95 8725.99  709.61 9115.56  722.97
  9352.11  722.97 9374.42   722.5 9517.09  715.83 9629.28  712.9710492.05  708.31
  10828.3  697.3311137.06  672.6711165.88  667.6411321.92  659.4311567.78  654.53
 11632.99  656.6712073.26  693.0612412.61     71012921.31  716.4912929.96  716.78
 13112.96  718.2913341.42  708.8813407.01  707.8513529.35  711.53 13715.1     720
 14086.22     72014143.45  714.9314232.71  707.5814513.65  709.3314706.96  724.63
 14780.54     73015210.99     730 15750.8  710.5415936.35  680.8415953.48  677.02
 16102.32   659.7 16300.1  631.6816321.71  629.9816573.41  621.4817012.69  614.43
 17126.41  613.5119492.34  613.5119712.08     62020086.33     62020490.69  600.54
 20661.11  600.5420754.53  597.0321004.98  593.5121543.21  590.05 21550.6  588.94
 21588.37     58021631.05  573.8521685.79  569.0621740.52  565.2521936.83  572.68
  21972.9     58022053.35  616.8922112.98  626.0122312.29  661.8722373.27  666.02
 22657.22  670.6522732.95  673.7623575.96   724.823858.62   730.324285.69  732.13
 24536.98  737.0324765.37  731.8925281.15   713.825317.85  710.9125594.23   695.4
  25743.3  697.7225790.16  701.0825839.23  701.0826087.36  707.5726459.34   713.8
 26607.94  717.6926864.44  731.4427363.25   744.5 27573.3  746.9627953.96  741.45
 28334.36  729.5428391.15  728.5829109.31  726.1229176.75  727.0330214.13  727.03
 30580.34  733.5132027.63  714.0532503.19  720.5433251.46  720.5434168.62  717.03
 34336.15  717.0334692.18  719.7234800.89  719.0735173.93  714.0535588.38  714.05
 36131.67     70036137.41  699.0836285.95  644.2736446.89  610.5436471.47   611.7
 36584.08  618.9837058.61  633.7237481.39  689.22 37571.3  699.4638005.75  701.34
 38152.46  694.9538207.36  695.1938586.91  710.8939069.14  719.4739368.72  723.51
 39843.85  724.9540219.34  739.0540443.19  739.7340533.87  737.8440987.86  727.03
 41588.24     74041933.75  732.2142255.56  728.4742382.39  725.6142451.66  723.11
 42554.82  721.7242901.08  725.7743068.54     73043154.16     73044165.61   712.2
 44260.01  708.9344476.64  705.2544704.62  707.8644785.57  706.4944989.07  706.49
 45016.15  706.9745186.89  706.9445460.43  702.0546103.43  683.75 46239.6  682.32
 46458.99  688.2746575.41  692.6647099.93  723.6647396.03  731.5348356.38  739.48
 48523.32  741.6849002.14  749.2549132.87  754.3449979.04     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521588.37     .15 21972.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21588.37 21972.9             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.27    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1550048.00   72536.52   1208843.00
  E.G. Slope (ft/ft)      0.000295    Area (sq ft)            1550048.00   72536.52   1208843.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5023341.00   404779.90   2575013.00
  Top Width (ft)          46263.32    Top Width (ft)          18627.39     384.53   27251.40
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.24       5.58       2.13
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.21     188.64      44.36
  Conv. Total (cfs)       465949900.0    Conv. (cfs)            292463600.0   23566660.0   149919600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18647.08     386.19   27289.32
  Min Ch El (ft)            565.25    Shear (lb/sq ft)            1.53       3.46       0.82
  Alpha                       1.21    Stream Power (lb/ft s)      4.96      19.30       1.74
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    49350.44    2429.24   37021.29
  C & E Loss (ft)             0.00    Cum SA (acres)            594.07      12.89     890.15


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267676.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.18  761.73  1410.3     760 1918.47     760 2314.81  766.46
 2397.21  766.46 2535.36    770 2744.08     770 2833.56   767.6 3139.64  747.56
 3669.38  722.07 3927.25  713.17  4533.3  700.97  4636.4  702.84 4768.09  705.78
 5557.75  695.22 5755.42  700.66 5999.99  688.22 6038.38  686.46  6712.6  686.46
 6959.48  681.23 7213.51  661.95 7313.68  656.46    7409  656.46 7533.54  664.55
 7807.34  693.88 7868.47  696.46 8051.34  689.39 8107.36  689.39 8146.75  687.91
 8278.94  687.03 8359.21  689.52 8488.65  697.96 8726.18  709.61 9115.76  722.93
 9352.32  722.93 9374.63  722.45  9517.3  715.77 9629.49  712.9310492.29  708.28
10828.54  697.2511137.31  672.5911166.13  667.5411322.17  659.3611568.03  654.56
11633.25  656.7112073.54  693.1212412.88     710 12921.6  716.4612930.25  716.76
13113.25  718.2113341.71  708.7713407.31  707.7513529.65  711.4713715.41     720
14086.53     72014143.77  714.9514233.03  707.6314513.97   709.414707.29  724.65
14780.88     73015211.33     73015751.15  710.6115936.71  681.0215953.83   677.2
16102.68  659.8416300.46  631.7516322.08  630.0516573.78  621.5117013.07  614.45
17126.79  613.5419492.78  613.5419712.52     62020086.78     62020491.14  600.61
20661.57  600.6120754.99  597.0721005.45  593.54 21543.7  590.0521551.08  588.94
21588.85     58021631.66  573.8321686.56  569.0521741.45  565.2521937.51   572.7
21973.54     58022054.01  617.0122113.65   626.1   22313  661.8822373.99  666.03
   22658  670.5822733.74  673.6823576.93   724.723859.64  730.24 24286.8  732.15
24538.15  737.0724766.57   731.925282.47  713.7625319.17  710.8725595.61  695.41
25744.71  697.8325791.57  701.2225840.66  701.2226088.84  707.6926460.89  713.86
26609.52  717.7426866.08   731.527364.99  744.5227575.09  746.9427955.81   741.4
 28336.3  729.47 28393.1  728.5229111.41  726.1629178.86  727.0730216.45  727.07
30582.73  733.5432030.32  714.1532505.97  720.61 33254.4  720.6134171.75  717.07
34339.31  717.0734695.42  719.7834804.14  719.1535177.26  714.15 35591.8  714.15
 36135.2     70036140.94  699.0836289.51  644.2236450.48  610.6136475.07  611.77
 36587.7  619.0437062.32  633.82 37485.2  689.1937575.12  699.3938009.66  701.27
 38156.4  694.8338211.31  695.0638590.94  710.8539073.27  719.4739372.91  723.54
39848.14  724.9840223.71  739.05 40447.6  739.7240538.29  737.8540992.38  727.07
41592.88     74041938.46  732.2442260.34  728.55 42387.2   725.742456.48   723.2
42559.66  721.7942905.99  725.7943073.49     73043159.12     73044170.78  712.26
 44265.2  708.9944481.87  705.2944709.89  707.8544790.86  706.46 44994.4  706.46
45021.49  706.9545192.27  706.9645465.86  702.0846108.99  683.7846245.19  682.33
46464.62  688.2446581.07  692.6147105.69  723.6247401.86  731.52 48362.4  739.48
48529.38  741.67 49008.3  749.2449139.05  754.32 49985.4     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521588.85     .1521973.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21588.8521973.54             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.27    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1550062.00   72564.41   1208544.00
  E.G. Slope (ft/ft)      0.000295    Area (sq ft)            1550062.00   72564.41   1208544.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5024128.00   404997.90   2574008.00
  Top Width (ft)          46270.04    Top Width (ft)          18628.09     384.69   27257.26
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.24       5.58       2.13
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.21     188.63      44.34
  Conv. Total (cfs)       465872900.0    Conv. (cfs)            292461100.0   23575460.0   149836400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18647.76     386.34   27295.18
  Min Ch El (ft)            565.25    Shear (lb/sq ft)            1.53       3.46       0.82
  Alpha                       1.21    Stream Power (lb/ft s)      4.96      19.31       1.74
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    49172.87    2420.93   36882.83
  C & E Loss (ft)             0.00    Cum SA (acres)            591.94      12.85     887.03


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267671.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.21  761.74 1410.33     760 1918.52     760 2314.86  766.44
 2397.27  766.44 2535.42    770 2744.14     770 2833.62  767.58 3139.71  747.53
 3669.46  722.08 3927.34  713.19  4533.4  700.98 4636.51  702.83  4768.2  705.75
 5557.88  695.19 5755.55   700.6 6000.13  688.19 6038.51  686.44 6712.75  686.44
 6959.64  681.18 7213.67   661.9 7313.84  656.44 7409.17  656.44  7533.7  664.49
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 7807.52  693.84 7868.65  696.44 8051.52  689.32 8107.54  689.32 8146.94  687.84
 8279.12  687.01 8359.39  689.52 8488.83  697.97 8726.38  709.62 9115.96  722.88
 9352.53  722.88 9374.84   722.4 9517.51  715.72 9629.71  712.8810492.52  708.25
10828.78  697.1611137.56  672.5111166.38  667.4411322.42  659.2911568.29  654.59
11633.51  656.76 12073.8  693.1812413.16     71012921.89  716.4412930.54  716.73
13113.54  718.1313342.01  708.6713407.61  707.6513529.96  711.4213715.71     720
14086.85     72014144.08  714.9714233.34  707.68 14514.3  709.4614707.62  724.67
14781.21     73015211.67     730 15751.5  710.6815937.06   681.215954.19  677.38
16103.04  659.9916300.83  631.8116322.44  630.1216574.15  621.5517013.45  614.47
17127.17  613.5619493.21  613.5619712.96     62020087.23     620 20491.6  600.68
20662.03  600.6820755.46  597.1221005.92  593.5621544.18  590.0521551.56  588.95
21589.33     58021632.28  573.8221687.33  569.0421742.39  565.25 21938.2  572.72
21974.18     58022054.67  617.1322114.32  626.1822313.71  661.8922374.71  666.05
22658.78   670.522734.53  673.59 23577.9   724.623860.66  730.1724287.91  732.16
24539.31  737.1224767.79  731.9125283.78  713.7225320.49  710.8325596.99  695.43
25746.11  697.9525792.99  701.3625842.09  701.3626090.32  707.8126462.45  713.92
26611.11  717.7826867.71  731.5727366.73  744.5427576.87  746.9227957.67  741.34
28338.24   729.428395.05  728.4529113.51   726.229180.97  727.1230218.77  727.12
30585.13  733.5632033.01  714.2432508.76  720.6833257.34  720.6834174.88  717.12
34342.48  717.1234698.65  719.85 34807.4  719.2335180.59  714.2435595.21  714.24
36138.73     70036144.47  699.0736293.07  644.1736454.07  610.6836478.66  611.83
36591.32   619.137066.04  633.91   37489  689.1637578.94  699.3238013.57  701.19
38160.34   694.738215.26  694.9438594.96  710.8139077.39  719.47 39377.1  723.56
39852.42  725.0140228.07  739.0440452.01  739.7240542.72  737.86 40996.9  727.12
41597.52     74041943.18  732.2742265.12  728.63   42392  725.79 42461.3  723.29
 42564.5  721.87 42910.9   725.843078.43     73043164.09     73044175.95  712.33
44270.38  709.05 44487.1  705.3244715.17  707.8344796.16  706.4444999.74  706.44
45026.83  706.9345197.64  706.9745471.29  702.1146114.55   683.846250.78  682.35
46470.26  688.2146586.73  692.5747111.46  723.5847407.68  731.5248368.43  739.47
48535.43  741.6649014.45  749.2449145.23  754.3149991.75     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521589.33     .1521974.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21589.3321974.18             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.27    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1550102.00   72592.23   1208261.00
  E.G. Slope (ft/ft)      0.000295    Area (sq ft)            1550102.00   72592.23   1208261.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5024917.00   405204.70   2573012.00
  Top Width (ft)          46276.66    Top Width (ft)          18628.85     384.85   27262.95
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.24       5.58       2.13
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.21     188.62      44.32
  Conv. Total (cfs)       465807000.0    Conv. (cfs)            292465600.0   23584160.0   149757200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18648.51     386.50   27300.87
  Min Ch El (ft)            565.25    Shear (lb/sq ft)            1.53       3.46       0.82
  Alpha                       1.21    Stream Power (lb/ft s)      4.97      19.32       1.74
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    48995.30    2412.62   36744.40
  C & E Loss (ft)             0.00    Cum SA (acres)            589.81      12.80     883.91


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267666.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.23  761.75 1410.36     760 1918.56     760 2314.91  766.42
 2397.32  766.42 2535.48    770  2744.2     770 2833.69  767.57 3139.78   747.5
 3669.55  722.09 3927.43  713.21  4533.5  700.99 4636.61  702.82  4768.3  705.72
    5558  695.16 5755.68  700.54 6000.26  688.16 6038.65  686.42  6712.9  686.42
 6959.79  681.12 7213.83  661.86 7314.01  656.42 7409.33  656.42 7533.87  664.44
 7807.69   693.8 7868.82  696.42  8051.7  689.25 8107.72  689.25 8147.12  687.78
 8279.31  686.99 8359.58  689.51 8489.02  697.97 8726.57  709.62 9116.17  722.83
 9352.74  722.83 9375.05  722.35 9517.73  715.66 9629.92  712.8310492.76  708.22
10829.02  697.0811137.81  672.4311166.63  667.3411322.67  659.2211568.55  654.62
11633.77   656.812074.07  693.2412413.44     71012922.18  716.4212930.83  716.71
13113.83  718.0513342.31  708.5613407.91  707.5513530.26  711.3613716.02     720
14087.16     720 14144.4  714.9914233.66  707.7314514.62  709.5214707.95  724.69
14781.54     73015212.01     73015751.85  710.7515937.42  681.3815954.55  677.56
 16103.4  660.1316301.19  631.8816322.81  630.1816574.52  621.5817013.83  614.49
17127.56  613.5819493.65  613.58 19713.4     62020087.68     62020492.06  600.75
20662.49  600.7520755.92  597.1721006.38  593.5821544.66  590.0521552.04  588.95
21589.81     58021632.88  573.81 21688.1  569.0321743.33  565.2521938.88  572.74
21974.82     58022055.32  617.2522114.99  626.2722314.41   661.922375.44  666.06
22659.56  670.4322735.33  673.5123578.86   724.523861.69  730.1124289.02  732.18
24540.47  737.1724768.99  731.93 25285.1  713.6825321.82   710.825598.37  695.45
25747.52  698.0725794.41   701.525843.52   701.5 26091.8  707.93   26464  713.98
26612.69  717.8326869.35  731.6427368.47  744.5627578.65   746.927959.53  741.28
28340.17  729.33   28397  728.38 29115.6  726.2429183.08  727.1730221.09  727.17
30587.52  733.58 32035.7  714.3332511.55  720.7533260.28  720.75   34178  717.17
34345.64  717.1734701.89  719.9134810.66   719.335183.92  714.3335598.63  714.33
36142.26     700   36148  699.0736296.63  644.1236457.66  610.7536482.26   611.9
36594.95  619.1637069.76     634 37492.8  689.1237582.77  699.2538017.48  701.11
38164.28  694.5738219.21  694.81   38599  710.7739081.52  719.4639381.29  723.58
39856.71  725.0440232.43  739.0340456.42  739.7240547.15  737.8641001.42  727.17
41602.16     74041947.89   732.342269.89   728.7 42396.8  725.8842466.12  723.38
42569.34  721.9542915.81  725.8243083.38     73043169.05     73044181.11  712.39
44275.57  709.1144492.33  705.3644720.45  707.8244801.45  706.4245005.07  706.42
45032.18  706.9145203.02  706.9845476.72  702.1346120.12  683.8346256.37  682.36
 46475.9  688.1846592.39  692.5247117.23  723.5447413.51  731.5148374.45  739.47
48541.49  741.6649020.61  749.2349151.41  754.2949998.11     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521589.81     .1521974.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21589.8121974.82             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
```

```
  W.S. Elev (ft)            759.27    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1550153.00   72620.08   1207983.00
  E.G. Slope (ft/ft)      0.000295    Area (sq ft)            1550153.00   72620.08   1207983.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5025734.00   405407.50   2571992.00
  Top Width (ft)          46283.34    Top Width (ft)          18629.52     385.01   27268.81
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.24       5.58       2.13
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.21     188.62      44.30
  Conv. Total (cfs)       465746000.0    Conv. (cfs)            292474900.0   23592880.0   149678200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18649.15     386.66   27306.72
  Min Ch El (ft)            565.25    Shear (lb/sq ft)            1.53       3.46       0.82
  Alpha                       1.21    Stream Power (lb/ft s)      4.97      19.33       1.74
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    48817.73    2404.30   36606.01
  C & E Loss (ft)             0.00    Cum SA (acres)            587.67      12.76     880.79


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267661.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.26  761.76  1410.4     760  1918.6     760 2314.97  766.39
 2397.38  766.39 2535.53    770 2744.26     770 2833.75  767.55 3139.85  747.47
 3669.63  722.11 3927.52  713.23  4533.6  700.99 4636.72  702.81 4768.41   705.7
 5558.13  695.13 5755.81  700.47  6000.4  688.13 6038.78  686.39 6713.05  686.39
 6959.95  681.06 7213.99  661.82 7314.17  656.39  7409.5  656.39 7534.04  664.39
 7807.87  693.76    7869  696.39 8051.88  689.18  8107.9  689.18  8147.3  687.71
 8279.49  686.97 8359.77  689.51 8489.21  697.98 8726.77  709.62 9116.37  722.79
 9352.95  722.79 9375.26   722.3 9517.94   715.6 9630.14  712.7910492.99  708.19
10829.26  696.9911138.06  672.3411166.88  667.2411322.93  659.1511568.81  654.65
11634.03  656.8512074.34   693.312413.72     71012922.47  716.3912931.12  716.68
13114.13  717.9713342.61  708.4613408.21  707.4513530.56   711.313716.33     720
14087.48     72014144.71     71514233.98  707.7814514.95  709.5814708.28  724.71
14781.87     73015212.35     73015752.21  710.8215937.78  681.55 15954.9  677.74
16103.76  660.2816301.56  631.9516323.17  630.2516574.89  621.6117014.21  614.51
17127.94  613.6119494.08  613.6119713.84     62020088.13     62020492.52  600.82
20662.95  600.8220756.38  597.2121006.85  593.6121545.14  590.0521552.53  588.95
21590.29     58021633.49  573.7921688.88  569.0221744.26  565.2521939.57  572.76
21975.46     58022055.98  617.3722115.66  626.3622315.12  661.9222376.16  666.07
22660.34  670.3522736.12  673.4223579.83  724.3923862.71  730.0424290.13  732.19
24541.63  737.21 24770.2  731.9425286.41  713.6325323.14  710.7625599.74  695.46
25748.93  698.1925795.83  701.6425844.95  701.6426093.28  708.0426465.55  714.04
26614.28  717.8726870.99  731.7127370.21  744.5827580.43  746.8827961.39  741.22
28342.11  729.2628398.95  728.32 29117.7  726.2829185.19  727.2130223.41  727.21
30589.92  733.6132038.39  714.4332514.34  720.8233263.22  720.8234181.13  717.21
 34348.8  717.2134705.12  719.9834813.91  719.3835187.26  714.4335602.05  714.43
36145.79     70036151.53  699.0636300.19  644.0736461.25  610.8236485.86  611.97
36598.57  619.2237073.48  634.0937496.61  689.0937586.59  699.1838021.39  701.03
38168.22  694.4538223.16  694.6838603.02  710.7339085.65  719.4639385.47  723.61
39860.99  725.0840236.79  739.0340460.82  739.7240551.57  737.8741005.94  727.21
 41606.8     740 41952.6  732.3242274.67  728.7842401.61  725.9742470.94  723.46
42574.18  722.0342920.71  725.8343088.32     73043174.01     73044186.28  712.46
44280.76  709.1744497.56  705.3944725.73  707.8144806.75  706.3945010.41  706.39
45037.52  706.8945208.39  706.9945482.16  702.1646125.68  683.8546261.96  682.38
46481.53  688.1546598.05  692.4847122.99  723.4947419.34  731.5148380.47  739.47
48547.54  741.6549026.76  749.2349157.59  754.2850004.46     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521590.29     .1521975.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21590.2921975.46             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.27    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1550178.00   72648.74   1207702.00
  E.G. Slope (ft/ft)      0.000295    Area (sq ft)            1550178.00   72648.74   1207702.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5026487.00   405623.80   2571023.00
  Top Width (ft)          46289.96    Top Width (ft)          18630.28     385.17   27274.51
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.24       5.58       2.13
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.21     188.61      44.28
  Conv. Total (cfs)       465676300.0    Conv. (cfs)            292474900.0   23601930.0   149599500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18649.90     386.82   27312.43
  Min Ch El (ft)            565.25    Shear (lb/sq ft)            1.53       3.46       0.82
  Alpha                       1.21    Stream Power (lb/ft s)      4.97      19.34       1.74
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    48640.15    2395.98   36467.64
  C & E Loss (ft)             0.00    Cum SA (acres)            585.54      12.72     877.66


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267656.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.29  761.77 1410.43     760 1918.65     760 2315.02  766.37
 2397.43  766.37 2535.59    770 2744.32     770 2833.81  767.54 3139.92  747.45
 3669.71  722.12  3927.6  713.25  4533.7     701 4636.82   702.8 4768.52  705.67
 5558.25  695.09 5755.94  700.41 6000.53   688.1 6038.92  686.37  6713.2  686.37
 6960.11     681 7214.15  661.77 7314.33  656.37 7409.66  656.37 7534.21  664.34
 7808.04  693.72 7869.17  696.37 8052.06  689.11 8108.08  689.11 8147.48  687.65
 8279.68  686.95 8359.95  689.51  8489.4  697.99 8726.96  709.62 9116.57  722.74
 9353.15  722.74 9375.47  722.25 9518.15  715.54 9630.35  712.7410493.22  708.16
10829.51  696.91 11138.3  672.2611167.13  667.1411323.18  659.0811569.07  654.68
11634.29  656.8912074.61  693.3612413.99     71012922.76  716.3712931.41  716.66
13114.42   717.913342.91  708.3613408.51  707.3513530.86  711.2513716.63     720
14087.79     72014145.03  715.02 14234.3  707.8314515.27  709.6414708.61  724.73
 14782.2     73015212.69     73015752.56  710.8915938.13  681.7315955.26  677.92
16104.12  660.4316301.92  632.0116323.54  630.3216575.26  621.6417014.59  614.53
17128.32  613.6319494.52  613.6319714.28     62020088.57     62020492.97  600.89
20663.41  600.8920756.85  597.2621007.32  593.6321545.62  590.0521553.01  588.96
21590.78     580 21634.1  573.7821689.65     569 21745.2  565.2521940.25  572.77
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 21976.1     58022056.63  617.4922116.32  626.4422315.83  661.9322376.88  666.09
22661.12  670.2822736.92  673.33 23580.8  724.2923863.74  729.9824291.24   732.2
 24542.8  737.2624771.41  731.9525287.72  713.5925324.46  710.7225601.12  695.48
25750.34  698.3125797.25  701.7825846.37  701.7826094.75  708.1626467.11   714.1
26615.86  717.9226872.63  731.7727371.95   744.627582.21  746.8627963.25  741.17
28344.05  729.19 28400.9  728.2529119.79  726.33 29187.3  727.2630225.73  727.26
30592.31  733.6332041.09  714.5232517.12  720.8933266.16  720.8934184.26  717.26
34351.96  717.2634708.36  720.0434817.17  719.4535190.59  714.5235605.46  714.52
36149.31     70036155.06  699.0536303.75  644.0236464.85  610.8936489.46  612.03
36602.19  619.28 37077.2  634.1837500.41  689.0637590.41  699.11 38025.3  700.96
38172.16  694.3238227.12  694.5638607.05  710.6939089.78  719.4639389.66  723.63
39865.28  725.1140241.16  739.0240465.23  739.72   40556  737.8841010.46  727.26
41611.45     74041957.31  732.3542279.45  728.8642406.41  726.0542475.75  723.55
42579.02  722.1142925.62  725.8543093.26     73043178.97     73044191.45  712.52
44285.95  709.2344502.79  705.43   44731  707.7944812.04  706.3745015.75  706.37
45042.86  706.8745213.77     70745487.59  702.1946131.24  683.8846267.55  682.39
46487.17  688.1246603.71  692.4347128.76  723.4547425.16   731.5 48386.5  739.46
 48553.6  741.6549032.92  749.2249163.77  754.2650010.81     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521590.78     .15 21976.1     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21590.78 21976.1             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.27    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1550223.00   72676.14   1207421.00
  E.G. Slope (ft/ft)      0.000295    Area (sq ft)            1550223.00   72676.14   1207421.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5027299.00   405830.60   2570003.00
  Top Width (ft)          46296.59    Top Width (ft)          18630.89     385.32   27280.37
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.24       5.58       2.13
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.21     188.61      44.26
  Conv. Total (cfs)       465613900.0    Conv. (cfs)            292483000.0   23610800.0   149520100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18650.50     386.96   27318.28
  Min Ch El (ft)            565.25    Shear (lb/sq ft)            1.53       3.46       0.82
  Alpha                       1.21    Stream Power (lb/ft s)      4.97      19.34       1.74
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    48462.57    2387.66   36329.31
  C & E Loss (ft)             0.00    Cum SA (acres)            583.40      12.67     874.54


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267651.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.32  761.78 1410.46     760 1918.69     760 2315.07  766.35
 2397.48  766.35 2535.65     770 2744.38     770 2833.88  767.52 3139.99  747.42
 3669.79  722.13 3927.69  713.27  4533.8  701.01 4636.92  702.79 4768.62  705.64
 5558.37  695.06 5756.06  700.35 6000.66  688.07 6039.05  686.35 6713.35  686.35
 6960.26  680.94 7214.32  661.73  7314.5  656.35 7409.83  656.35 7534.38  664.28
 7808.22  693.68 7869.35  696.35 8052.24  689.04 8108.26  689.04 8147.66  687.58
 8279.86  686.93 8360.14   689.5 8489.59     698 8727.16  709.62 9116.78  722.69
 9353.36  722.69 9375.68   722.2 9518.36  715.49 9630.57  712.6910493.46  708.13
10829.75  696.8211138.55  672.1811167.38  667.0411323.43  659.0111569.33  654.71
11634.55  656.9312074.88  693.4312414.27     71012923.05  716.35 12931.7  716.63
13114.71  717.82 13343.2  708.2513408.81  707.2513531.17  711.1913716.94     720
14088.11     72014145.35  715.0414234.62  707.89 14515.6  709.7114708.93  724.75
14782.53     73015213.03     73015752.91  710.9615938.49  681.9115955.62   678.1
16104.48  660.5716302.29  632.08 16323.9  630.3816575.63  621.6717014.97  614.55
17128.71  613.6519494.95  613.6519714.72     62020089.02     62020493.43  600.96
20663.88  600.9620757.31  597.3121007.79  593.65 21546.1  590.0521553.49  588.96
21591.26     58021634.71  573.7621690.42  568.9921746.13  565.2421940.94  572.79
21976.74     58022057.29  617.6122116.99  626.5322316.54  661.94 22377.6   666.1
 22661.9  670.2122737.71  673.2523581.76  724.1923864.76  729.9224292.35  732.22
24543.96  737.3124772.62  731.9625289.04  713.5525325.78  710.68 25602.5   695.5
25751.75  698.4325798.67  701.92 25847.8  701.9226096.23  708.2826468.66  714.15
26617.45  717.9626874.26  731.8427373.68  744.62   27584  746.8427965.11  741.11
28345.99  729.1228402.85  728.1829121.89  726.3729189.41  727.3130228.05  727.31
30594.71  733.6532043.78  714.6132519.91  720.96 33269.1  720.9634187.39  717.31
34355.12  717.3134711.59  720.1134820.43  719.5335193.92  714.6135608.88  714.61
36152.84     70036158.59  699.0536307.31  643.9636468.44  610.9636493.05   612.1
36605.81  619.3437080.91  634.2737504.21  689.0237594.23  699.0438029.21  700.88
38176.11   694.238231.07  694.4338611.08  710.6539093.91  719.4539393.85  723.65
39869.57  725.1440245.52  739.0140469.64  739.7240560.43  737.8941014.98  727.31
41616.09     74041962.02  732.3842284.23  728.9442411.21  726.1442480.57  723.64
42583.86  722.1842930.54  725.8643098.21     73043183.93     73044196.61  712.59
44291.13  709.2944508.02  705.4644736.28  707.7844817.34  706.3545021.08  706.35
 45048.2  706.8545219.14  707.0145493.02  702.22 46136.8   683.946273.14  682.41
 46492.8  688.0946609.37  692.3947134.52  723.4147430.99   731.548392.52  739.46
48559.66  741.6449039.07  749.2249169.95  754.2550017.16     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521591.26     .1521976.74     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21591.2621976.74             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.26    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1550271.00   72705.79   1207129.00
  E.G. Slope (ft/ft)      0.000296    Area (sq ft)            1550271.00   72705.79   1207129.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5028117.00   406051.70   2568964.00
  Top Width (ft)          46303.20    Top Width (ft)          18631.65     385.48   27286.06
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.24       5.58       2.13
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.21     188.61      44.24
  Conv. Total (cfs)       465549900.0    Conv. (cfs)            292490400.0   23620420.0   149439100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18651.24     387.12   27323.97
  Min Ch El (ft)            565.24    Shear (lb/sq ft)            1.53       3.46       0.82
  Alpha                       1.21    Stream Power (lb/ft s)      4.97      19.35       1.73
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    48284.98    2379.33   36191.01
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  C & E Loss (ft)             0.00    Cum SA (acres)            581.27      12.63     871.41


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267646.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.34  761.79 1410.49     760 1918.73     760 2315.12  766.32
 2397.54  766.32  2535.7     770 2744.44     770 2833.94   767.5 3140.06  747.39
 3669.87  722.15 3927.78  713.29  4533.9  701.01 4637.03  702.78 4768.73  705.61
  5558.5  695.03 5756.19  700.29  6000.8  688.04 6039.19  686.32  6713.5  686.32
 6960.42  680.89 7214.48  661.69 7314.66  656.32 7409.99  656.32 7534.55  664.23
 7808.39  693.64 7869.52  696.32 8052.42  688.97 8108.44  688.97 8147.85  687.52
 8280.05  686.91 8360.33   689.5 8489.78     698 8727.35  709.62 9116.98  722.65
 9353.57  722.65 9375.89  722.15 9518.58  715.43 9630.78  712.6510493.69   708.1
10829.99  696.74 11138.8  672.111167.63  666.9411323.69  658.9411569.58  654.75
11634.81  656.9812075.15  693.4912414.55     71012923.33  716.3212931.98  716.61
13115.01  717.74 13343.5  708.1513409.11  707.1513531.47  711.1313717.25     720
14088.42     72014145.66  715.0614234.93  707.9414515.92  709.7714709.26  724.77
14782.86     73015213.37     73015753.26  711.0315938.84  682.0915955.97  678.28
16104.84  660.7216302.65  632.1416324.26  630.45   16576   621.717015.35  614.57
17129.09  613.6819495.39  613.6819715.16     62020089.47     62020493.89  601.03
20664.34  601.0320757.77  597.3521008.26  593.6821546.58  590.0521553.97  588.97
21591.74     58021635.32  573.75 21691.2  568.9821747.07  565.2421941.62  572.81
21977.38     58022057.95  617.7322117.66  626.6222317.25  661.9522378.32  666.12
22662.68  670.1322738.51  673.1623582.73  724.0923865.78  729.8524293.46  732.23
24545.12  737.3524773.83  731.9825290.35  713.51 25327.1  710.6425603.88  695.51
25753.16  698.5425800.08  702.0625849.23  702.0626097.71  708.3926470.22  714.21
26619.03  718.01 26875.9  731.9127375.42  744.6427585.78  746.8227966.97  741.05
28347.92  729.0528404.79  728.1129123.98  726.4129191.52  727.3530230.38  727.35
30597.11  733.6832046.47  714.71 32522.7  721.0333272.04  721.0334190.52  717.35
34358.29  717.3534714.82  720.1734823.68   719.635197.25  714.71 35612.3  714.71
36156.37     70036162.12  699.0436310.87  643.9136472.03  611.0336496.65  612.16
36609.43   619.437084.63  634.3637508.02  688.9937598.05  698.9738033.12   700.8
38180.04  694.0738235.02   694.338615.11  710.6139098.04  719.4539398.04  723.68
39873.85  725.1840249.88  739.0140474.05  739.7140564.85  737.89 41019.5  727.35
41620.73     74041966.73  732.41   42289  729.0242416.02  726.2342485.39  723.73
 42588.7  722.2642935.45  725.8843103.15     73043188.89     73044201.78  712.65
44296.32  709.3544513.26   705.544741.56  707.7644822.63  706.3245026.42  706.32
45053.54  706.8345224.52  707.0245498.45  702.2546142.37  683.9346278.73  682.42
46498.44  688.0646615.03  692.3447140.29  723.3747436.82  731.4948398.54  739.46
48565.71  741.6349045.23  749.2149176.14  754.2350023.52     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521591.74    .1521977.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21591.7421977.38             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.41    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.26    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1550289.00   72733.59   1206857.00
  E.G. Slope (ft/ft)      0.000296    Area (sq ft)            1550289.00   72733.59   1206857.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5028847.00   406263.40   2568023.00
  Top Width (ft)          46309.98    Top Width (ft)          18632.41     385.64   27291.94
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.24       5.59       2.13
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.20     188.60      44.22
  Conv. Total (cfs)       465478600.0    Conv. (cfs)            292488000.0   23629110.0   149361400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18651.99     387.28   27329.85
  Min Ch El (ft)            565.24    Shear (lb/sq ft)            1.53       3.47       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      4.98      19.36       1.73
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    48107.39    2371.00   36052.75
  C & E Loss (ft)             0.00    Cum SA (acres)            579.13      12.58     868.29


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267641.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.37  761.81 1410.52     760 1918.77     760 2315.17   766.3
 2397.59   766.3 2535.76     770  2744.5     770    2834  767.49 3140.13  747.36
 3669.96  722.16 3927.87  713.31 4534.01  701.02 4637.13  702.77 4768.83  705.59
 5558.62     695 5756.32  700.23 6000.93  688.01 6039.32   686.3 6713.65   686.3
 6960.57  680.83 7214.64  661.64 7314.82   656.3 7410.16   656.3 7534.71  664.18
 7808.57   693.6  7869.7   696.3  8052.6   688.9 8108.62   688.9 8148.03  687.45
 8280.23  686.89 8360.51   689.5 8489.97  698.01 8727.54  709.62 9117.19   722.6
 9353.78   722.6  9376.1   722.1 9518.79  715.37    9631   712.610493.93  708.07
10830.23  696.6611139.05  672.0211167.88  666.8411323.94  658.8711569.84  654.78
11635.07  657.0212075.42  693.5512414.83     71012923.62   716.312932.27  716.58
 13115.3  717.66 13343.8  708.0413409.41  707.0513531.77  711.0813717.55     720
14088.74     72014145.98  715.0814235.25  707.9914516.25  709.8314709.59  724.79
14783.19     73015213.71     73015753.61   711.1 15939.2  682.2615956.33  678.46
 16105.2  660.8616303.01  632.2116324.63  630.5216576.37  621.7317015.73  614.59
17129.47   613.719495.82   613.7 19715.6     62020089.92     62020494.35   601.1
 20664.8   601.120758.24   597.421008.73   593.721547.06  590.0521554.45  588.97
21592.22     58021635.93  573.7421691.97  568.9721748.01  565.2421942.31  572.83
21978.02     580 22058.6  617.8522118.33   626.722317.96  661.9722379.04  666.13
22663.46  670.06 22739.3  673.08 23583.7  723.9923866.81  729.7924294.57  732.25
24546.28   737.424775.04  731.9925291.67  713.4725328.43   710.625605.26  695.53
25754.56  698.66 25801.5   702.225850.66   702.226099.19  708.5126471.77  714.27
26620.62  718.0526877.54  731.9727377.16  744.6627587.56   746.827968.83     741
28349.86  728.9828406.74  728.0529126.08  726.4529193.62   727.4 30232.7   727.4
 30599.5   733.732049.16   714.832525.49   721.133274.98   721.134193.64   717.4
34361.45   717.434718.06  720.2434826.94  719.6835200.59   714.835615.72   714.8
 36159.9     70036165.65  699.0436314.43  643.8636475.62   611.136500.25  612.23
36613.05  619.4637088.35  634.4637511.82  688.9637601.88   698.938037.04  700.73
38183.98  693.9438238.97  694.1738619.14  710.5739102.16  719.4539402.23   723.7
39878.14  725.2140254.24     73940478.46  739.7140569.28   737.941024.02   727.4
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41625.37     74041971.45  732.4442293.78  729.0942420.82  726.3242490.21  723.81
42593.53  722.3442940.36  725.8943108.09     73043193.85     73044206.95  712.71
 44301.5  709.4144518.49  705.5344746.84  707.7544827.92   706.345031.75   706.3
45058.88  706.8145229.89  707.0345503.88  702.2846147.93  683.9546284.32  682.44
46504.07  688.0346620.68  692.2947146.05  723.3247442.64  731.4848404.56  739.45
48571.77  741.6349051.38  749.2149182.32  754.2250029.87     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521592.22     .1521978.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21592.2221978.02             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.26    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1550334.00   72761.18   1206567.00
  E.G. Slope (ft/ft)      0.000296    Area (sq ft)            1550334.00   72761.18   1206567.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5029671.00   406468.30   2566994.00
  Top Width (ft)          46316.51    Top Width (ft)          18633.08     385.80   27297.63
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.24       5.59       2.13
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.20     188.60      44.20
  Conv. Total (cfs)       465414100.0    Conv. (cfs)            292495400.0   23637750.0   149280900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18652.64     387.43   27335.54
  Min Ch El (ft)            565.24    Shear (lb/sq ft)            1.53       3.47       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      4.98      19.37       1.73
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    47929.79    2362.67   35914.51
  C & E Loss (ft)             0.00    Cum SA (acres)            577.00      12.54     865.16


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267636.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1238.4  761.82 1410.55     760 1918.82     760 2315.22  766.28
 2397.64  766.28 2535.82     770 2744.57     770 2834.07  767.47  3140.2  747.34
 3670.04  722.18 3927.95  713.33 4534.11  701.03 4637.23  702.76 4768.94  705.56
 5558.75  694.97 5756.45  700.16 6001.07  687.98 6039.46  686.28  6713.8  686.28
 6960.73  680.77  7214.8   661.6 7314.99  656.28 7410.32  656.28 7534.88  664.13
 7808.74  693.56 7869.88  696.28 8052.78  688.83 8108.81  688.83 8148.21  687.39
 8280.42  686.87  8360.7  689.49 8490.16  698.02 8727.74  709.62 9117.39  722.55
 9353.99  722.55 9376.31  722.05    9519  715.32 9631.21  712.5510494.16  708.04
10830.47  696.57 11139.3  671.9311168.13  666.7411324.19   658.8 11570.1  654.81
11635.33  657.0712075.69  693.61 12415.1     71012923.91  716.2812932.56  716.56
13115.59  717.58 13344.1  707.9413409.71  706.9513532.07  711.0213717.86     720
14089.05     72014146.29   715.114235.57  708.0414516.57  709.8914709.92  724.81
14783.52     73015214.05     73015753.96  711.1715939.56  682.4415956.69  678.64
16105.56  661.0116303.38  632.2816324.99  630.5816576.74  621.7617016.11  614.61
17129.85  613.7219496.26  613.7219716.04     62020090.37     62020494.81  601.17
20665.26  601.17 20758.7  597.45 21009.2  593.7221547.55  590.0521554.93  588.97
21592.71     58021636.54  573.7221692.74  568.9621748.95  565.24   21943  572.85
21978.66     58022059.26  617.97   22119  626.7922318.67  661.9822379.76  666.15
22664.23  669.9822740.09  672.9923584.66  723.8923867.83  729.7224295.69  732.26
24547.45  737.4524776.25     73225292.98  713.4325329.75  710.5625606.63  695.55
25755.97  698.7825802.92  702.3425852.09  702.3426100.67  708.6326473.33  714.33
 26622.2  718.0926879.18  732.04 27378.9  744.6827589.34  746.7827970.69  740.94
 28351.8  728.9128408.69  727.9829128.17  726.4929195.73  727.4530235.02  727.45
 30601.9  733.7232051.85  714.8932528.28  721.1733277.92  721.1734196.77  717.45
34364.61  717.4534721.29   720.3 34830.2  719.7535203.92  714.8935619.14  714.89
36163.43     70036169.18  699.0336317.99  643.8136479.22  611.1736503.85   612.3
36616.67  619.5237092.06  634.5537515.62  688.92 37605.7  698.8338040.95  700.65
38187.93  693.8238242.93  694.0538623.17  710.5339106.29  719.4439406.42  723.72
39882.42  725.2440258.61  738.9940482.86  739.7140573.71  737.9141028.54  727.45
41630.01     74041976.16  732.4742298.56  729.1742425.62  726.4142495.02   723.9
42598.37  722.4242945.26  725.9143113.04     73043198.81     73044212.12  712.78
44306.69  709.4744523.72  705.5744752.11  707.7344833.21  706.2845037.09  706.28
45064.22  706.7945235.27  707.0445509.31  702.31 46153.5  683.9846289.91  682.45
46509.71     68846626.34  692.2547151.82  723.2847448.47  731.4848410.59  739.45
48577.83  741.6249057.54   749.2 49188.5   754.250036.23     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521592.71     .1521978.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21592.7121978.66             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.26    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1550378.00   72787.85   1206283.00
  E.G. Slope (ft/ft)      0.000296    Area (sq ft)            1550378.00   72787.85   1206283.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5030487.00   406670.00   2565976.00
  Top Width (ft)          46323.22    Top Width (ft)          18633.78     385.95   27303.49
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.24       5.59       2.13
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.20     188.59      44.18
  Conv. Total (cfs)       465349400.0    Conv. (cfs)            292502200.0   23646190.0   149201000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18653.33     387.58   27341.41
  Min Ch El (ft)            565.24    Shear (lb/sq ft)            1.53       3.47       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      4.98      19.37       1.73
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    47752.19    2354.33   35776.31
  C & E Loss (ft)             0.00    Cum SA (acres)            574.87      12.49     862.03


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267631.*

INPUT
Description:
Station Elevation Data    num=     174
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.43  761.83 1410.59     760 1918.86     760 2315.28  766.25
  2397.7  766.25 2535.87     770 2744.63     770 2834.13  767.46 3140.27  747.31
 3670.12  722.19 3928.04  713.35 4534.21  701.03 4637.34  702.75 4769.05  705.53
 5558.87  694.94 5756.58   700.1  6001.2  687.95 6039.59  686.25 6713.95  686.25
 6960.88  680.71 7214.96  661.56 7315.15  656.25 7410.49  656.25 7535.05  664.07
 7808.91  693.52 7870.05  696.25 8052.96  688.76 8108.99  688.76 8148.39  687.32
  8280.6  686.85 8360.89  689.49 8490.35  698.03 8727.94  709.63 9117.59  722.51
  9354.2  722.51 9376.52     722 9519.21  715.26 9631.43  712.51 10494.4  708.01
10830.72  696.4911139.55  671.8511168.38  666.6411324.45  658.7311570.36  654.84
11635.59  657.1112075.96  693.6712415.38     710 12924.2  716.2512932.85  716.54
13115.89  717.51 13344.4  707.83   13410  706.8513532.37  710.9613718.17     720
14089.37     72014146.61  715.1114235.89  708.0914516.89  709.9614710.25  724.83
14783.85     73015214.39     73015754.32  711.2415939.91  682.6215957.04  678.82
16105.92  661.1516303.74  632.3416325.36  630.6516577.11  621.7917016.49  614.63
17130.24  613.75 19496.7  613.7519716.48     62020090.82     62020495.27  601.24
20665.72  601.2420759.17  597.4921009.67  593.7521548.03  590.0521555.42  588.98
21593.19     58021637.15  573.7121693.52  568.9521749.88  565.2421943.68  572.86
21979.29     58022059.91  618.0922119.66  626.8822319.38  661.9922380.48  666.16
22665.01  669.9122740.89   672.923585.63  723.7923868.86  729.66 24296.8  732.27
24548.61  737.4924777.46  732.0125294.29  713.3925331.07  710.5225608.01  695.56
25757.38   698.925804.34  702.4825853.52  702.4826102.15  708.7526474.88  714.39
26623.79  718.1426880.81  732.1127380.64   744.727591.12  746.7627972.55  740.88
28353.74  728.8428410.64  727.9129130.27  726.5329197.84  727.4930237.34  727.49
30604.29  733.7532054.54  714.9932531.06  721.2433280.86  721.24 34199.9  717.49
34367.77  717.4934724.53  720.3634833.45  719.8335207.25  714.9935622.55  714.99
36166.95     70036172.71  699.0236321.55  643.7636482.81  611.2436507.45  612.36
36620.29  619.5837095.78  634.6437519.43  688.8937609.52  698.7638044.86  700.57
38191.87  693.6938246.88  693.92 38627.2  710.4939110.42  719.4439410.61  723.75
39886.71  725.2840262.96  738.9940487.27  739.7140578.13  737.9241033.05  727.49
41634.65     74041980.87  732.4942303.34  729.2542430.43  726.4942499.84  723.99
42603.21   722.542950.17  725.9243117.98     73043203.78     73044217.29  712.84
44311.88  709.5344528.95   705.644757.39  707.7244838.51  706.2545042.42  706.25
45069.56  706.7745240.65  707.0545514.75  702.3346159.06     684 46295.5  682.47
46515.34  687.97   46632   692.247157.59  723.24 47454.3  731.4748416.61  739.45
48583.88  741.6249063.69   749.249194.68  754.1850042.58     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521593.19     .1521979.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21593.1921979.29              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.41    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.26    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1550403.00   72815.04   1206007.00
  E.G. Slope (ft/ft)      0.000296    Area (sq ft)            1550403.00   72815.04   1206007.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5031242.00   406879.30   2565013.00
  Top Width (ft)          46329.91    Top Width (ft)          18634.45     386.10   27309.36
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.25       5.59       2.13
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.20     188.59      44.16
  Conv. Total (cfs)       465280700.0    Conv. (cfs)            292502900.0   23654870.0   149123000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18653.99     387.73   27347.27
  Min Ch El (ft)            565.24    Shear (lb/sq ft)            1.54       3.47       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      4.98      19.38       1.73
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    47574.59    2345.99   35638.14
  C & E Loss (ft)             0.00    Cum SA (acres)            572.73      12.45     858.90


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267626.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.45  761.84 1410.62     760  1918.9     760 2315.33  766.23
 2397.75  766.23 2535.93     770 2744.69     770 2834.19  767.44 3140.34  747.28
  3670.2   722.2 3928.13  713.38 4534.31  701.04 4637.44  702.74 4769.15   705.5
    5559   694.9 5756.71  700.04 6001.33  687.92 6039.73  686.23  6714.1  686.23
 6961.04  680.65 7215.12  661.51 7315.31  656.23 7410.66  656.23 7535.22  664.02
 7809.09  693.48 7870.23  696.23 8053.14  688.69 8109.17  688.69 8148.57  687.26
 8280.79  686.83 8361.08  689.49 8490.54  698.03 8728.13  709.63  9117.8  722.46
 9354.41  722.46 9376.73  721.95 9519.43   715.2 9631.64  712.4610494.63  707.98
10830.96   696.4 11139.8  671.7711168.63  666.54 11324.7  658.6611570.62  654.87
11635.85  657.1612076.23  693.7312415.66     71012924.49  716.2312933.14  716.51
13116.18  717.4313344.69  707.73 13410.3  706.7513532.68  710.9113718.47     720
14089.68     72014146.93  715.1314236.21  708.1414517.22  710.0214710.58  724.85
14784.18     73015214.73     73015754.67  711.3115940.27   682.8 15957.4     679
16106.28   661.316304.11  632.4116325.72  630.7216577.48  621.8217016.87  614.65
17130.62  613.7719497.13  613.7719716.92     62020091.27     62020495.72  601.31
20666.18  601.3120759.63  597.5421010.14  593.7721548.51  590.05 21555.9  588.98
21593.67     58021637.76   573.721694.29  568.9421750.82  565.2421944.37  572.88
21979.93     58022060.57  618.2122120.33  626.9622320.08     662 22381.2  666.18
22665.79  669.8322741.68  672.8223586.59  723.6823869.88  729.5924297.91  732.29
24549.77  737.5424778.67  732.0325295.61  713.3525332.39  710.4825609.39  695.58
25758.79  699.0225805.76  702.6225854.94  702.6226103.63  708.8626476.44  714.45
26625.37  718.1826882.45  732.1727382.38  744.7227592.91  746.7427974.41  740.83
28355.67  728.7628412.59  727.8529132.37  726.5729199.95  727.5430239.66  727.54
30606.69  733.7732057.23  715.0832533.85  721.31 33283.8  721.3134203.03  717.54
34370.93  717.5434727.76  720.4334836.71  719.9135210.59  715.0835625.97  715.08
36170.48     70036176.24  699.0236325.11  643.71 36486.4  611.3136511.04  612.43
36623.91  619.64 37099.5  634.7337523.23  688.8637613.34  698.6938048.77   700.5
 38195.8  693.5638250.83  693.7938631.23  710.4539114.54  719.44 39414.8  723.77
39890.99  725.3140267.33  738.9840491.68  739.7140582.56  737.9341037.57  727.54
 41639.3     74041985.58  732.5242308.12  729.3342435.23  726.5842504.66  724.07
42608.05  722.5842955.08  725.9443122.92     73043208.74     73044222.45  712.91
44317.06  709.5944534.18  705.6444762.67  707.71 44843.8  706.2345047.76  706.23
 45074.9  706.7545246.02  707.0745520.18  702.3646164.62  684.0346301.09  682.49
46520.98  687.9446637.66  692.1647163.36   723.247460.12  731.4748422.63  739.44
48589.94  741.6149069.84  749.1949200.86  754.1750048.93     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521593.67     .1521979.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      21593.6721979.93             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.26    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1550452.00   72843.00   1205707.00
  E.G. Slope (ft/ft)      0.000296    Area (sq ft)            1550452.00   72843.00   1205707.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5032088.00   407088.00   2563957.00
  Top Width (ft)          46336.52    Top Width (ft)          18635.21     386.26   27315.05
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.25       5.59       2.13
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.20     188.59      44.14
  Conv. Total (cfs)       465214600.0    Conv. (cfs)            292510500.0   23663640.0   149040400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18654.73     387.89   27352.97
  Min Ch El (ft)            565.24    Shear (lb/sq ft)            1.54       3.47       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      4.98      19.39       1.73
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    47396.98    2337.65   35500.00
  C & E Loss (ft)             0.00    Cum SA (acres)            570.60      12.41     855.77


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267621.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.48  761.85 1410.65     760 1918.95     760 2315.38  766.21
  2397.8  766.21 2535.99    770 2744.75     770 2834.26  767.43 3140.41  747.26
 3670.28  722.22 3928.22  713.4 4534.41  701.05 4637.54  702.73 4769.26  705.47
 5559.12  694.87 5756.84  699.98 6001.47  687.89 6039.86  686.21 6714.25  686.21
 6961.19   680.6 7215.28  661.47 7315.48  656.21 7410.82  656.21 7535.39  663.97
 7809.26  693.44  7870.4  696.21 8053.32  688.62 8109.35  688.62 8148.76  687.19
 8280.97  686.81 8361.26  689.48 8490.73  698.04 8728.33  709.63    9118  722.41
 9354.62  722.41 9376.94   721.9 9519.64  715.14 9631.86  712.4110494.87  707.95
 10831.2  696.3211140.05  671.6911168.88  666.4411324.95  658.5911570.88   654.9
11636.11   657.2 12076.5  693.7912415.94     71012924.78  716.2112933.43  716.49
13116.47  717.3513344.99  707.63 13410.6  706.6513532.98  710.8513718.78     720
   14090     72014147.24  715.1514236.53  708.1914517.54  710.0814710.91  724.87
14784.51     73015215.07    73015755.02  711.3815940.63  682.9715957.75  679.18
16106.64  661.4416304.47  632.4716326.09  630.7816577.85  621.8517017.25  614.67
   17131  613.7919497.57  613.7919717.36     62020091.72     62020496.18  601.38
20666.64  601.3820760.09  597.5921010.61  593.7921548.99  590.0521556.38  588.98
21594.15     58021638.37  573.6821695.06  568.9321751.76  565.2321945.05   572.9
21980.57     58022061.22  618.33   22121  627.0522320.79  662.0222381.93  666.19
22666.57  669.7622742.48  672.7323587.56  723.58 23870.9  729.5324299.02   732.3
24550.93  737.5924779.88  732.0425296.92   713.325333.71  710.4425610.77  695.59
 25760.2  699.1325807.18  702.7625856.37  702.7626105.11  708.9826477.99   714.5
26626.96  718.2326884.09  732.2427384.12  744.7427594.69  746.7227976.27  740.77
28357.61  728.6928414.54  727.7829134.46  726.6129202.06  727.5930241.98  727.59
30609.08  733.7932059.92  715.1832536.64  721.3833286.75  721.3834206.16  717.59
34374.09  717.59   34731  720.4934839.97  719.9835213.92  715.1835629.39  715.18
36174.01     70036179.77  699.0136328.67  643.65   36490  611.3836514.64  612.49
36627.53   619.737103.21  634.8237527.04  688.8237617.16  698.6238052.68  700.42
38199.75  693.4438254.78  693.6738635.26  710.4139118.67  719.4339418.98  723.79
39895.28  725.3440271.69  738.9840496.09   739.740586.98  737.9341042.09  727.59
41643.94     740 41990.3  732.5542312.89   729.442440.04  726.6742509.48  724.16
42612.89  722.6542959.99  725.9543127.87     730 43213.7     73044227.62  712.97
44322.25  709.6544539.41  705.6744767.95  707.69 44849.1  706.2145053.09  706.21
45080.24  706.73 45251.4  707.0845525.61  702.3946170.18  684.0546306.68   682.5
46526.61  687.9146643.32  692.1147169.12  723.1647465.95  731.4648428.65  739.44
   48596   741.6   49076  749.1949207.04  754.1550055.29     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521594.15     .1521980.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21594.1521980.57             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.26    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1550493.00   72872.68   1205435.00
  E.G. Slope (ft/ft)      0.000296    Area (sq ft)            1550493.00   72872.68   1205435.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5032865.00   407307.20   2562961.00
  Top Width (ft)          46343.14    Top Width (ft)          18635.81     386.42   27320.91
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.25       5.59       2.13
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.20     188.58      44.12
  Conv. Total (cfs)       465153500.0    Conv. (cfs)            292517300.0   23673270.0   148962900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18655.32     388.04   27358.84
  Min Ch El (ft)            565.23    Shear (lb/sq ft)            1.54       3.47       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      4.99      19.40       1.73
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    47219.36    2329.30   35361.90
  C & E Loss (ft)             0.00    Cum SA (acres)            568.46      12.36     852.64


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267616.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.51  761.86 1410.68     760 1918.99     760 2315.43  766.18
 2397.86  766.18 2536.04    770 2744.81     770 2834.32  767.41 3140.48  747.23
 3670.37  722.23  3928.3  713.42 4534.51  701.05 4637.65  702.72 4769.37  705.45
 5559.24  694.84 5756.96  699.92  6001.6  687.86 6039.99  686.18  6714.4  686.18
 6961.35  680.54 7215.44  661.43 7315.64  656.18 7410.99  656.18 7535.56  663.91
 7809.44   693.4 7870.58  696.18  8053.5  688.55 8109.53  688.55 8148.94  687.13
 8281.16  686.79 8361.45  689.48 8490.92  698.05 8728.52  709.63  9118.2  722.37
 9354.83  722.37 9377.15  721.85 9519.85  715.09 9632.08  712.37 10495.1  707.92
10831.44  696.23 11140.3  671.6111169.13  666.3411325.21  658.5211571.14  654.93
11636.37  657.2512076.77  693.8512416.21     71012925.07  716.1812933.72  716.46
13116.76  717.2713345.29  707.52 13410.9  706.5513533.28  710.7913719.09     720
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14090.31     72014147.56  715.1714236.84  708.2414517.87  710.1414711.23  724.89
14784.84     73015215.41     73015755.37  711.4515940.98  683.1515958.11  679.36
   16107  661.5916304.84  632.5416326.45  630.8516578.22  621.8817017.63  614.69
17131.38  613.82   19498  613.82 19717.8     62020092.17     62020496.64  601.45
20667.11  601.4520760.56  597.6321011.08  593.8221549.47  590.0521556.86  588.99
21594.64     58021638.98  573.6721695.84  568.9221752.69  565.2321945.74  572.92
21981.21     58022061.88  618.4522121.67  627.14 22321.5  662.0322382.65   666.2
22667.35  669.6822743.27  672.6523588.53  723.4823871.93  729.4624300.13  732.32
 24552.1  737.6324781.08  732.0525298.24  713.2625335.04   710.425612.15  695.61
25761.61  699.2525808.59   702.9 25857.8   702.926106.58   709.126479.55  714.56
26628.54  718.2726885.73  732.3127385.86  744.7627596.47   746.727978.13  740.71
28359.55  728.6228416.49  727.7129136.56  726.6529204.17  727.63 30244.3  727.63
30611.48  733.8232062.61  715.2732539.43  721.4533289.68  721.4534209.28  717.63
34377.26  717.6334734.23  720.5634843.22  720.0635217.25  715.27 35632.8  715.27
36177.54     700 36183.3  699.0136332.23   643.636493.59  611.4536518.24  612.56
36631.15  619.7637106.93  634.9137530.84  688.7937620.98  698.5538056.59  700.34
38203.69  693.3138258.73  693.5438639.29  710.37 39122.8  719.4339423.17  723.82
39899.57  725.3740276.05  738.97 40500.5   739.740591.41  737.9441046.61  727.63
41648.58     74041995.01  732.5842317.67  729.4842444.84  726.76 42514.3  724.25
42617.73  722.73 42964.9  725.9743132.81     73043218.66     73044232.79  713.04
44327.44  709.7144544.64  705.7144773.22  707.6844854.39  706.1845058.43  706.18
45085.59  706.7145256.77  707.0945531.04  702.4246175.75  684.0846312.27  682.52
46532.25  687.8846648.98  692.0747174.89  723.1147471.78  731.4648434.68  739.43
48602.05   741.649082.15  749.1849213.22  754.1450061.64     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521594.64     .1521981.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21594.6421981.21             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.40    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.25    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1550519.00   72898.83   1205154.00
  E.G. Slope (ft/ft)      0.000296    Area (sq ft)            1550519.00   72898.83   1205154.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5033627.00   407509.20   2561997.00
  Top Width (ft)          46349.76    Top Width (ft)          18636.58     386.57   27326.61
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.25       5.59       2.13
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.20     188.58      44.10
  Conv. Total (cfs)       465083500.0    Conv. (cfs)            292517500.0   23681450.0   148884500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18656.08     388.19   27364.54
  Min Ch El (ft)            565.23    Shear (lb/sq ft)            1.54       3.47       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      4.99      19.41       1.73
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    47041.75    2320.95   35223.83
  C & E Loss (ft)             0.00    Cum SA (acres)            566.33      12.32     849.51


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267611.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.54  761.88 1410.71     760 1919.03     760 2315.48  766.16
 2397.91  766.16  2536.1     770 2744.87     770 2834.38  767.39 3140.55   747.2
 3670.45  722.24 3928.39  713.44 4534.61  701.06 4637.75   702.7 4769.47  705.42
 5559.37  694.81 5757.09  699.86 6001.74  687.83 6040.13  686.16 6714.55  686.16
 6961.51  680.48  7215.6  661.38  7315.8  656.16 7411.15  656.16 7535.72  663.86
 7809.61  693.36 7870.76  696.16 8053.68  688.48 8109.71  688.48 8149.12  687.06
 8281.34  686.77 8361.63  689.48 8491.11  698.06 8728.71  709.63 9118.41  722.32
 9355.04  722.32 9377.36   721.8 9520.07  715.03 9632.29  712.3210495.33  707.89
10831.68  696.1511140.54  671.5311169.38  666.2411325.46  658.4511571.39  654.96
11636.63  657.2912077.04  693.9112416.49     71012925.36  716.1612934.01  716.44
13117.06  717.1913345.59  707.42 13411.2  706.4513533.58  710.7413719.39     720
14090.62     72014147.88  715.1914237.16  708.2914518.19   710.214711.56  724.91
14785.17     73015215.75     73015755.73  711.5215941.34  683.3315958.47  679.54
16107.36  661.73 16305.2  632.6116326.82  630.9116578.59  621.9117018.01  614.71
17131.77  613.8419498.44  613.8419718.24     62020092.62     620 20497.1  601.52
20667.57  601.5220761.02  597.6821011.55  593.8421549.95  590.0521557.34  588.99
21595.12     58021639.59  573.6521696.61   568.921753.63  565.2321946.42  572.93
21981.85     58022062.54  618.5722122.33  627.2222322.21  662.0422383.37  666.22
22668.13  669.6122744.07  672.5623589.49  723.3823872.95   729.424301.24  732.33
24553.26  737.6824782.29  732.0625299.55  713.2225336.36  710.3625613.53  695.63
25763.02  699.3725810.01  703.0425859.23  703.0426108.06  709.21 26481.1  714.62
26630.13  718.3226887.36  732.38 27387.6  744.7827598.25  746.6827979.99  740.66
28361.48  728.5528418.44  727.6429138.65  726.6929206.28  727.6830246.62  727.68
30613.88  733.84 32065.3  715.3632542.22  721.5233292.62  721.5234212.41  717.68
34380.42  717.6834737.46  720.6234846.48  720.1335220.59  715.3635636.22  715.36
36181.07     70036186.82     69936335.79  643.5536497.18  611.5236521.84  612.63
36634.77  619.8237110.65  635.0137534.64  688.76 37624.8  698.48 38060.5  700.26
38207.63  693.1938262.68  693.4138643.32  710.3439126.93  719.4339427.36  723.84
39903.85  725.4140280.41  738.9640504.91   739.740595.84  737.9541051.13  727.68
41653.22     74041999.72  732.6142322.45  729.5642449.64  726.8542519.11  724.34
42622.57  722.8142969.81  725.9843137.75     73043223.62     73044237.95   713.1
44332.62  709.7744549.87  705.74 44778.5  707.6644859.69  706.1645063.77  706.16
45090.93  706.6945262.15   707.145536.47  702.4546181.31   684.146317.87  682.53
46537.89  687.8546654.64  692.0247180.65  723.0747477.61  731.45 48440.7  739.43
48608.11  741.59 49088.3  749.18 49219.4  754.1250067.99     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521595.12     .1521981.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21595.1221981.85             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.40    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.25    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1550568.00   72928.98   1204867.00
  E.G. Slope (ft/ft)      0.000296    Area (sq ft)            1550568.00   72928.98   1204867.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5034439.00   407734.00   2560961.00
  Top Width (ft)          46356.53    Top Width (ft)          18637.33     386.73   27332.47
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.25       5.59       2.13
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```
  Max Chl Dpth (ft)          194.02    Hydr. Depth (ft)           83.20     188.58      44.08
  Conv. Total (cfs)        465020600.0    Conv. (cfs)            292525200.0    23691310.0   148804200.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18656.82     388.35   27370.40
  Min Ch El (ft)             565.23    Shear (lb/sq ft)            1.54       3.47       0.81
  Alpha                        1.21    Stream Power (lb/ft s)      4.99      19.41       1.73
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    46864.13    2312.60   35085.79
  C & E Loss (ft)              0.00    Cum SA (acres)            564.19      12.27     846.38


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267606.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.57  761.89 1410.74     760 1919.07     760 2315.54  766.14
 2397.96  766.14 2536.16    770 2744.93     770 2834.45  767.38 3140.62  747.17
 3670.53  722.26 3928.48  713.46 4534.71  701.06 4637.85  702.69 4769.58  705.39
 5559.49  694.78 5757.22  699.79 6001.87   687.8 6040.26  686.14  6714.7  686.14
 6961.66  680.42 7215.77  661.34 7315.97  656.14 7411.32  656.14 7535.89  663.81
 7809.79  693.32 7870.93  696.14 8053.86  688.41 8109.89  688.41  8149.3     687
 8281.53  686.75 8361.82  689.48  8491.3  698.06 8728.91  709.63 9118.61  722.27
 9355.24  722.27 9377.57  721.75 9520.28  714.97 9632.51  712.2710495.57  707.86
10831.93  696.0611140.79  671.4411169.62  666.1411325.71  658.3811571.65  654.99
11636.89  657.3312077.31  693.9812416.77    71012925.64  716.14 12934.3  716.41
13117.35  717.1213345.89  707.31 13411.5  706.3513533.89  710.68 13719.7     720
14090.94     72014148.19  715.2114237.48  708.3414518.52  710.2714711.89  724.93
 14785.5     73015216.09    73015756.08  711.5915941.69  683.5115958.82  679.72
16107.72  661.8816305.56  632.6716327.18  630.9816578.96  621.9417018.39  614.73
17132.15  613.8619498.87  613.8619718.68    62020093.06    62020497.55  601.59
20668.03  601.5920761.48  597.7321012.02  593.8621550.44  590.0521557.82     589
 21595.6     580 21640.2  573.6421697.38  568.8921754.57  565.2321947.11  572.95
21982.49     58022063.19  618.69   22123  627.3122322.92  662.0522384.09  666.23
22668.91  669.5322744.86  672.4823590.46  723.2823873.98  729.3324302.35  732.35
24554.42  737.73 24783.5  732.0825300.87  713.1825337.68  710.32 25614.9  695.64
25764.43  699.4925811.43  703.1825860.66  703.1826109.54  709.3326482.66  714.68
26631.71  718.36   26889  732.4427389.34   744.827600.04  746.6627981.85   740.6
28363.42  728.4828420.39  727.5829140.75  726.7329208.39  727.7330248.94  727.73
30616.27  733.8632067.99  715.46   32545  721.5933295.57  721.5934215.54  717.73
34383.58  717.73 34740.7  720.6934849.74  720.2135223.92  715.4635639.64  715.46
36184.59     70036190.36  698.9936339.35   643.536500.77  611.5936525.43  612.69
36638.39  619.8837114.37   635.137538.45  688.7237628.63  698.4138064.41  700.19
38211.57  693.0638266.64  693.2838647.35   710.339131.05  719.4239431.55  723.86
39908.14  725.4440284.78  738.9640509.31   739.740600.27  737.9641055.65  727.73
41657.86     74042004.43  732.6342327.23  729.6442454.45  726.9342523.93  724.42
 42627.4  722.8942974.72    726 43142.7     73043228.58    73044243.12  713.16
44337.81  709.83 44555.1  705.7844783.78  707.6544864.98  706.14 45069.1  706.14
45096.27  706.6645267.53  707.11 45541.9  702.4846186.87  684.1346323.46  682.55
46543.52  687.82 46660.3  691.9847186.42  723.0347483.43  731.4548446.72  739.43
48614.17  741.5949094.46  749.1749225.58  754.1150074.35     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21595.6     .1521982.49     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21595.621982.49             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.40    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.25    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                       Flow Area (sq ft)       1550616.00   72956.99   1204553.00
  E.G. Slope (ft/ft)       0.000296    Area (sq ft)            1550616.00   72956.99   1204553.00
  Q Total (cfs)            8003133.00    Flow (cfs)             5035322.00   407945.20   2559866.00
  Top Width (ft)           46363.05    Top Width (ft)          18637.99     386.89   27338.17
  Vel Total (ft/s)             2.83    Avg. Vel. (ft/s)            3.25       5.59       2.13
  Max Chl Dpth (ft)          194.02    Hydr. Depth (ft)           83.20     188.57      44.06
  Conv. Total (cfs)        464952400.0    Conv. (cfs)            292533500.0    23700110.0   148718700.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18657.47     388.51   27376.11
  Min Ch El (ft)             565.23    Shear (lb/sq ft)            1.54       3.47       0.81
  Alpha                        1.21    Stream Power (lb/ft s)      4.99      19.42       1.73
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    46686.50    2304.24   34947.79
  C & E Loss (ft)              0.00    Cum SA (acres)            562.06      12.23     843.25


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267601.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.59  761.9 1410.77     760 1919.12     760 2315.59  766.11
 2398.02  766.11 2536.21    770    2745     770 2834.51  767.36 3140.69  747.15
 3670.61  722.27 3928.57  713.48 4534.82  701.07 4637.96  702.68 4769.69  705.36
 5559.62  694.75 5757.35  699.73 6002.01  687.77  6040.4  686.11 6714.85  686.11
 6961.82  680.36 7215.93   661.3 7316.13  656.11 7411.48  656.11 7536.06  663.76
 7809.96  693.27 7871.11  696.11 8054.04  688.34 8110.07  688.34 8149.48  686.93
 8281.71  686.73 8362.01  689.47 8491.49  698.07 8729.11  709.63 9118.82  722.22
 9355.45  722.22 9377.78   721.7 9520.49  714.92 9632.72  712.22 10495.8  707.83
10832.17  695.9811141.04  671.3611169.87  666.0411325.96  658.3111571.91  655.02
11637.15  657.3812077.58  694.0412417.05    71012925.93  716.1112934.58  716.39
13117.64  717.0413346.19  707.21 13411.8  706.2513534.19  710.6213720.01     720
14091.25     72014148.51  715.22 14237.8  708.3914518.84  710.3314712.22  724.94
14785.83     73015216.43    73015756.43  711.6615942.05  683.6815959.18   679.9
16108.08  662.0316305.93  632.7416327.55  631.0516579.33  621.9817018.77  614.75
17132.53  613.8919499.31  613.8919719.12    62020093.51    62020498.01  601.66
20668.49  601.6620761.95  597.7821012.49  593.8921550.92  590.05 21558.3     589
21596.08     58021640.81  573.6321698.16  568.88 21755.5  565.2321947.79  572.97
21983.13     58022063.85   618.822123.67   627.422323.62  662.0722384.81  666.25
22669.69  669.4622745.66  672.3923591.43  723.18   23875  729.2724303.46  732.36
24555.58  737.7824784.71  732.0925302.18  713.14   25339  710.2825616.28  695.66
25765.83  699.6125812.85  703.3325862.08  703.3326111.02  709.4526484.21  714.74
 26633.3  718.4126890.64  732.5127391.08  744.8227601.82  746.6427983.71  740.54
28365.36  728.4128422.34  727.5129142.84  726.77 29210.5  727.7830251.26  727.78
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30618.67  733.8932070.69  715.5532547.79  721.6633298.51  721.6634218.66  717.78
34386.74  717.7834743.93  720.75   34853  720.2835227.25  715.5535643.06  715.55
36188.12     70036193.88  698.9936342.91  643.4536504.37  611.6636529.03  612.76
36642.01  619.9437118.09  635.1937542.25  688.6937632.45  698.3438068.32  700.11
38215.51  692.9338270.59  693.1638651.38  710.2639135.18  719.4239435.74  723.89
39912.42  725.4740289.14  738.9540513.72   739.740604.69  737.9641060.17  727.78
 41662.5     74042009.14  732.66   42332  729.7242459.25  727.0242528.75  724.51
42632.24  722.9742979.63  726.0143147.64     73043233.54     73044248.29  713.23
   44343  709.8944560.34  705.8144789.05  707.6444870.27  706.1145074.44  706.11
45101.61  706.64 45272.9  707.1245547.34  702.5146192.43  684.1546329.05  682.56
46549.16  687.7946665.96  691.9347192.18  722.9947489.26  731.4448452.74  739.42
48620.22  741.5849100.61  749.1749231.76  754.09 50080.7     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521596.08     .1521983.13     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21596.0821983.13             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.40    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.25    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1550641.00   72984.89   1204263.00
  E.G. Slope (ft/ft)      0.000296    Area (sq ft)            1550641.00   72984.89   1204263.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5036107.00   408158.30   2558868.00
  Top Width (ft)          46369.77    Top Width (ft)          18638.69     387.05   27344.03
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.25       5.59       2.12
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.19     188.57      44.04
  Conv. Total (cfs)       464881000.0    Conv. (cfs)            292534200.0   23708840.0   148637900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18658.16     388.66   27381.97
  Min Ch El (ft)            565.23    Shear (lb/sq ft)            1.54       3.47       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      4.99      19.43       1.73
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    46508.86    2295.88   34809.82
  C & E Loss (ft)             0.00    Cum SA (acres)            559.92      12.18     840.12


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267596.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.62  761.91 1410.81     760 1919.16     760 2315.64  766.09
 2398.07  766.09 2536.27     770 2745.06     770 2834.57  767.35 3140.76  747.12
 3670.69  722.29 3928.66   713.5 4534.92  701.08 4638.06  702.67 4769.79  705.33
 5559.74  694.71 5757.48  699.67 6002.14  687.74 6040.53  686.09    6715  686.09
 6961.97  680.31 7216.09  661.26 7316.29  656.09 7411.65  656.09 7536.23   663.7
 7810.14  693.23 7871.28  696.09 8054.22  688.27 8110.26  688.27 8149.67  686.87
  8281.9  686.71  8362.2  689.47 8491.68  698.08  8729.3  709.64 9119.02  722.18
 9355.66  722.18 9377.98  721.65  9520.7  714.86 9632.94  712.1810496.04   707.8
10832.41  695.8911141.29  671.2811170.12  665.9411326.22  658.2411572.17  655.05
11637.41  657.4212077.85   694.112417.32     71012926.22  716.0912934.87  716.36
13117.94  716.9613346.48   707.1 13412.1  706.1513534.49  710.5713720.31     720
14091.57     72014148.82  715.2414238.12  708.4414519.16  710.3914712.55  724.96
14786.16     73015216.77     73015756.78  711.7315942.41  683.8615959.54  680.08
16108.44  662.1716306.29  632.8116327.91  631.1116579.71  622.0117019.15  614.77
17132.92  613.9119499.74  613.9119719.56     62020093.96     62020498.47  601.73
20668.95  601.7320762.41  597.8221012.96  593.91 21551.4  590.0521558.79     589
21596.57     58021641.42  573.6121698.93  568.8721756.44  565.2321948.48  572.99
21983.77     580 22064.5  618.9222124.34  627.4822324.33  662.0822385.53  666.26
22670.47  669.3922746.45   672.323592.39  723.0823876.03   729.224304.58  732.37
24556.75  737.8224785.92   732.1 25303.5   713.125340.32  710.2425617.66  695.68
25767.24  699.7225814.27  703.4725863.51  703.47 26112.5  709.5626485.77   714.8
26634.88  718.4526892.28  732.5827392.81  744.84 27603.6  746.6227985.57  740.48
 28367.3  728.3428424.29  727.4429144.94  726.8129212.61  727.8230253.58  727.82
30621.06  733.9132073.38  715.6432550.58  721.7333301.45  721.7334221.79  717.82
34389.91  717.8234747.17  720.8234856.25  720.3635230.58  715.6435646.48  715.64
36191.65     70036197.41  698.9836346.47   643.436507.96  611.7336532.63  612.82
36645.63     620 37121.8  635.2837546.05  688.6637636.27  698.2738072.23  700.03
38219.45  692.8138274.54  693.0338655.41  710.2239139.31  719.4239439.93  723.91
39916.71  725.51 40293.5  738.9440518.13   739.740609.12  737.9741064.69  727.82
41667.14     74042013.86  732.6942336.78  729.7942464.05  727.1142533.57   724.6
42637.08  723.0442984.54  726.0343152.59     730 43238.5     73044253.46  713.29
44348.18  709.9544565.57  705.8544794.33  707.6244875.57  706.0945079.77  706.09
45106.95  706.6245278.28  707.1345552.77  702.54   46198  684.1846334.64  682.58
46554.79  687.7646671.62  691.8847197.95  722.9447495.08  731.4348458.77  739.42
48626.28  741.5749106.77  749.1649237.95  754.0750087.05     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521596.57     .1521983.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21596.5721983.77             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.40    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.25    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1550683.00   73011.32   1204020.00
  E.G. Slope (ft/ft)      0.000296    Area (sq ft)            1550683.00   73011.32   1204020.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5036829.00   408352.00   2557952.00
  Top Width (ft)          46376.46    Top Width (ft)          18639.37     387.20   27349.89
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.25       5.59       2.12
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.19     188.56      44.02
  Conv. Total (cfs)       464824600.0    Conv. (cfs)            292540700.0   23717220.0   148566700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18658.82     388.81   27387.84
  Min Ch El (ft)            565.23    Shear (lb/sq ft)            1.54       3.48       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.00      19.44       1.73
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    46331.23    2287.52   34671.88
  C & E Loss (ft)             0.00    Cum SA (acres)            557.79      12.14     836.99


CROSS SECTION
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RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267591.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1238.65  761.92 1410.84     760  1919.2     760 2315.69  766.07
  2398.13  766.07 2536.33     770 2745.12     770 2834.64  767.33 3140.83  747.09
  3670.78   722.3 3928.74  713.52 4535.02  701.08 4638.17  702.66  4769.9  705.31
  5559.86  694.68 5757.61  699.61 6002.27  687.71 6040.67  686.07 6715.15  686.07
  6962.13  680.25 7216.25  661.21 7316.46  656.07 7411.81  656.07  7536.4  663.65
  7810.31  693.19 7871.46  696.07  8054.4   688.2 8110.44   688.2 8149.85   686.8
  8282.08  686.69 8362.38  689.47 8491.87  698.09  8729.5  709.64 9119.22  722.13
  9355.87  722.13 9378.19   721.6 9520.92   714.8 9633.15  712.1310496.27  707.77
 10832.65  695.8111141.54   671.211170.37  665.8411326.47  658.1711572.43  655.08
 11637.67  657.4712078.12  694.16 12417.6     71012926.51  716.0712935.16  716.34
 13118.23  716.8813346.78     707 13412.4  706.0413534.79  710.5113720.62     720
 14091.88     72014149.14  715.2614238.43  708.4914519.49  710.4514712.88  724.98
 14786.49     73015217.11     73015757.13   711.815942.76  684.0415959.89  680.26
  16108.8  662.3216306.66  632.8716328.28  631.1816580.07  622.0417019.53  614.79
  17133.3  613.9319500.18  613.93   19720     62020094.41     62020498.93   601.8
 20669.42   601.820762.88  597.8721013.43  593.9321551.88  590.0521559.27  589.01
 21597.05     58021642.03   573.621699.71  568.8621757.38  565.2221949.17  573.01
 21984.41     58022065.16  619.0422125.01  627.5722325.04  662.0922386.25  666.28
 22671.25  669.3122747.24  672.2223593.36  722.9823877.05  729.1424305.69  732.39
 24557.91  737.8724787.13  732.1225304.81  713.0625341.64   710.225619.04  695.69
 25768.65  699.8425815.68  703.6125864.94  703.6126113.98  709.6826487.32  714.86
 26636.47  718.4926893.91  732.6427394.55  744.8627605.38   746.627987.43  740.43
 28369.23  728.2728426.23  727.3829147.03  726.8629214.72  727.87 30255.9  727.87
 30623.46  733.9332076.07  715.7432553.37   721.833304.39   721.834224.92  717.87
 34393.07  717.87 34750.4  720.8834859.51  720.4335233.91  715.7435649.89  715.74
 36195.18     70036200.95  698.9836350.03  643.3536511.55   611.836536.23  612.89
 36649.25  620.0637125.52  635.3737549.86  688.6237640.09   698.238076.14  699.96
 38223.39  692.6838278.49   692.938659.43  710.1839143.44  719.4139444.12  723.93
 39920.99  725.5440297.86  738.9440522.54  739.6940613.54  737.9841069.21  727.87
 41671.79     74042018.57  732.7242341.56  729.8742468.86   727.242538.38  724.69
 42641.92  723.1242989.45  726.0543157.53     73043243.46     73044258.62  713.36
 44353.37  710.01 44570.8  705.8844799.61  707.6144880.86  706.0745085.11  706.07
 45112.29   706.645283.65  707.14 45558.2  702.5646203.56   684.246340.23  682.59
 46560.43  687.7346677.28  691.8447203.72   722.947500.91  731.4348464.79  739.42
 48632.34  741.5749112.92  749.1649244.12  754.0650093.41     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1521597.05     .1521984.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21597.0521984.41             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.40    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.25    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1550729.00   73040.58   1203695.00
  E.G. Slope (ft/ft)      0.000297    Area (sq ft)            1550729.00   73040.58   1203695.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5037717.00   408577.10   2556839.00
  Top Width (ft)          46383.05    Top Width (ft)          18640.12     387.36   27355.58
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.25       5.59       2.12
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.19     188.56      44.00
  Conv. Total (cfs)       464753000.0    Conv. (cfs)            292547200.0   23726640.0   148479200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18659.57     388.97   27393.54
  Min Ch El (ft)            565.22    Shear (lb/sq ft)            1.54       3.48       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.00      19.45       1.73
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    46153.59    2279.16   34533.97
  C & E Loss (ft)             0.00    Cum SA (acres)            555.65      12.10     833.85


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267586.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1238.68  761.93 1410.87     760 1919.25     760 2315.74  766.04
  2398.18  766.04 2536.38     770 2745.18     770  2834.7  767.31  3140.9  747.06
  3670.86  722.31 3928.83  713.54 4535.12  701.09 4638.27  702.65 4770.01  705.28
  5559.99  694.65 5757.74  699.55 6002.41  687.68  6040.8  686.04  6715.3  686.04
  6962.28  680.19 7216.41  661.17 7316.62  656.04 7411.98  656.04 7536.57   663.6
  7810.48  693.15 7871.64  696.04 8054.58  688.13 8110.62  688.13 8150.03  686.74
  8282.27  686.67 8362.57  689.46 8492.06  698.09 8729.69  709.64 9119.43  722.08
  9356.08  722.08  9378.4  721.55 9521.13  714.74 9633.37  712.0810496.51  707.74
 10832.89  695.7311141.79  671.1211170.62  665.7411326.72   658.111572.69  655.11
 11637.93  657.5112078.39  694.2212417.88     710 12926.8  716.0412935.45  716.31
 13118.52   716.813347.08   706.9 13412.7  705.94 13535.1  710.4613720.92     720
  14092.2     72014149.46  715.2814238.75  708.5414519.81  710.5214713.21     725
 14786.82     73015217.45     73015757.49  711.8715943.12  684.2215960.25  680.44
 16109.16  662.4616307.02  632.9416328.64  631.2516580.45  622.0717019.91  614.81
 17133.68  613.9619500.62  613.9619720.45     62020094.86     62020499.39  601.87
 20669.88  601.8720763.34  597.9221013.89  593.9621552.36  590.0521559.75  589.01
 21597.53     58021642.64  573.5821700.48  568.8521758.31  565.2221949.85  573.02
 21985.05     58022065.81  619.1622125.67  627.6622325.75   662.122386.97  666.29
 22672.03  669.2422748.04  672.1323594.33  722.8723878.07  729.08 24306.8   732.4
 24559.07  737.9224788.34  732.1325306.12  713.0125342.97  710.1725620.42  695.71
 25770.06  699.96 25817.1  703.7525866.37  703.7526115.46   709.826488.88  714.91
 26638.05  718.5426895.55  732.7127396.29  744.8827607.16  746.5827989.29  740.37
 28371.17   728.228428.18  727.3129149.13   726.929216.83  727.9230258.22  727.92
 30625.85  733.9632078.76  715.8332556.16  721.8733307.33  721.8734228.05  717.92
 34396.23  717.9234753.64  720.9534862.77  720.5135237.25  715.8335653.31  715.83
 36198.71     70036204.47  698.9736353.59  643.2936515.14  611.8736539.82  612.96
 36652.88  620.1237129.24  635.4637553.66  688.5937643.92  698.1338080.05  699.88
 38227.33  692.5638282.44  692.7838663.46  710.1439147.57  719.41 39448.3  723.96
 39925.28  725.5740302.23  738.9340526.95  739.6940617.97  737.9941073.73  727.92
 41676.43     74042023.28  732.7542346.34  729.9542473.66  727.29 42543.2  724.77
 42646.76   723.242994.36  726.0643162.47     73043248.43     73044263.79  713.42
 44358.56  710.0744576.03  705.9244804.89  707.5944886.16  706.0445090.44  706.04
 45117.63  706.5845289.03  707.1545563.63  702.5946209.12  684.2346345.82  682.61
 46566.06   687.746682.94  691.7947209.48  722.8647506.74  731.4248470.81  739.41
 48638.39  741.5649119.08  749.15 49250.3  754.0450099.76     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521597.53     .1521985.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21597.5321985.05             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.24    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1550759.00   73070.54   1203415.00
  E.G. Slope (ft/ft)      0.000297    Area (sq ft)            1550759.00   73070.54   1203415.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5038475.00   408803.00   2555855.00
  Top Width (ft)          46389.83    Top Width (ft)          18640.87     387.52   27361.44
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.25       5.59       2.12
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.19     188.56      43.98
  Conv. Total (cfs)       464685800.0    Conv. (cfs)            292548900.0   23736320.0   148400600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18660.31     389.13   27399.40
  Min Ch El (ft)            565.22    Shear (lb/sq ft)            1.54       3.48       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.00      19.45       1.73
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    45975.94    2270.79   34396.10
  C & E Loss (ft)             0.00    Cum SA (acres)            553.52      12.05     830.72


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267581.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1238.7  761.94  1410.9     760 1919.29     760 2315.79  766.02
 2398.23  766.02 2536.44     770 2745.24     770 2834.76   767.3 3140.97  747.04
 3670.94  722.33 3928.92  713.56 4535.22   701.1 4638.37  702.64 4770.11  705.25
 5560.11  694.62 5757.86  699.48 6002.54  687.65 6040.94  686.02 6715.45  686.02
 6962.44  680.13 7216.57  661.13 7316.78  656.02 7412.15  656.02 7536.73  663.55
 7810.66  693.11 7871.81  696.02 8054.76  688.06  8110.8  688.06 8150.21  686.67
 8282.45  686.66 8362.76  689.46 8492.25   698.1 8729.88  709.64 9119.63  722.04
 9356.29  722.04 9378.61   721.5 9521.34  714.69 9633.58  712.0410496.74  707.71
10833.14  695.6411142.04  671.0311170.87  665.6511326.98  658.0311572.95  655.14
11638.19  657.5612078.66  694.2812418.16     71012927.09  716.0212935.74  716.29
13118.82  716.7313347.38  706.79   13413  705.84 13535.4   710.413721.23     720
14092.51     72014149.77   715.314239.07  708.5914520.14  710.5814713.54  725.02
14787.15     73015217.79     73015757.84  711.9415943.47  684.3915960.61  680.62
16109.52  662.6116307.39     63316329.01  631.3116580.82   622.117020.29  614.83
17134.06  613.9819501.05  613.9819720.89     62020095.31     62020499.84  601.94
20670.34  601.94 20763.8  597.9621014.36  593.9821552.84  590.0521560.23  589.02
21598.01     58021643.25  573.5721701.25  568.8421759.25  565.2221950.54  573.04
21985.69     58022066.47  619.2822126.34  627.7422326.46  662.1222387.69   666.3
 22672.8  669.1622748.83  672.0523595.29  722.77 23879.1  729.0124307.91  732.42
24560.23  737.9624789.55  732.1425307.44  712.9725344.29  710.1325621.79  695.73
25771.47  700.0825818.52  703.89 25867.8  703.8926116.94  709.9226490.43  714.97
26639.64  718.5826897.19  732.7827398.03   744.927608.95  746.5627991.15  740.31
28373.11  728.1328430.13  727.2429151.22  726.9429218.94  727.9630260.54  727.96
30628.25  733.9832081.45  715.9332558.94  721.9433310.27  721.9434231.18  717.96
34399.39  717.9634756.87  721.0134866.02  720.5935240.58  715.9335656.73  715.93
36202.24     700   36208  698.9636357.15  643.2436518.73  611.9436543.42  613.02
 36656.5  620.1837132.95  635.5537557.46  688.5637647.74  698.0638083.96   699.8
38231.27  692.4338286.39  692.6538667.49   710.139151.69   719.4 39452.5  723.98
39929.56   725.640306.59  738.9340531.35  739.69 40622.4     73841078.25  727.96
41681.07     74042027.99  732.7742351.12  730.0342478.46  727.3742548.02  724.86
 42651.6  723.2842999.27  726.0843167.41     73043253.39     73044268.96  713.49
44363.75  710.1344581.26  705.9544810.16  707.5844891.45  706.0245095.78  706.02
45122.97  706.5645294.41  707.1645569.06  702.6246214.69  684.2546351.41  682.62
 46571.7  687.6746688.59  691.7547215.25  722.8247512.56  731.4248476.83  739.41
48644.45  741.5649125.23  749.1549256.49  754.0350106.12     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521598.01     .1521985.69     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21598.0121985.69             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.24    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1550793.00   73098.27   1203129.00
  E.G. Slope (ft/ft)      0.000297    Area (sq ft)            1550793.00   73098.27   1203129.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5039270.00   409011.40   2554852.00
  Top Width (ft)          46396.30    Top Width (ft)          18641.47     387.68   27367.14
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.25       5.60       2.12
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.19     188.55      43.96
  Conv. Total (cfs)       464619600.0    Conv. (cfs)            292553400.0   23745040.0   148321200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18660.90     389.28   27405.12
  Min Ch El (ft)            565.22    Shear (lb/sq ft)            1.54       3.48       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.00      19.46       1.73
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    45798.29    2262.41   34258.26
  C & E Loss (ft)             0.00    Cum SA (acres)            551.38      12.01     827.59


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267576.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.73  761.96 1410.93     760 1919.33     760 2315.85     766
 2398.29     766  2536.5     770  2745.3     770 2834.83  767.28 3141.04  747.01
 3671.02  722.34 3929.01  713.58 4535.32   701.1 4638.48  702.63 4770.22  705.22
 5560.24  694.59 5757.99  699.42 6002.68  687.62 6041.07     686  6715.6     686
 6962.59  680.07 7216.73  661.08 7316.95     656 7412.31     656  7536.9  663.49
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 7810.83  693.07 7871.99     696 8054.94  687.99 8110.98  687.99  8150.4  686.61
 8282.64  686.64 8362.94  689.46 8492.44  698.11 8730.08  709.64 9119.83  721.99
  9356.5  721.99 9378.82  721.45 9521.55  714.63  9633.8  711.9910496.98  707.68
10833.38  695.5611142.29  670.9511171.12  665.5511327.23  657.96 11573.2  655.17
11638.45   657.612078.93  694.3412418.43     71012927.38     71612936.03  716.27
13119.11  716.6513347.68  706.69 13413.3  705.74 13535.7  710.3413721.54     720
14092.83     72014150.09  715.3214239.39  708.6414520.46  710.6414713.86  725.04
14787.48     73015218.13     73015758.19  712.0115943.83  684.5715960.96   680.8
16109.88  662.7516307.75  633.0716329.37  631.3816581.19  622.1317020.67  614.85
17134.45     61419501.49     61419721.33     62020095.76     620 20500.3  602.01
 20670.8  602.0120764.27  598.0121014.83     59421553.32  590.0521560.71  589.02
 21598.5     58021643.86  573.5621702.03  568.8321760.19  565.2221951.22  573.06
21986.33     58022067.12   619.422127.01  627.8322327.17  662.1322388.41  666.32
22673.58  669.0922749.63  671.9623596.26  722.6723880.12  728.9524309.02  732.43
 24561.4  738.0124790.76  732.1525308.75  712.9325345.61  710.0925623.17  695.74
25772.88   700.225819.94  704.0325869.22  704.0326118.42  710.0326491.99  715.03
26641.22  718.6326898.82  732.8427399.77  744.9227610.73  746.5427993.01  740.26
28375.05  728.0628432.08  727.1829153.32  726.9829221.04  728.0130262.87  728.01
30630.64     73432084.14  716.0232561.73  722.0133313.21  722.01 34234.3  718.01
34402.55  718.0134760.11  721.0834869.28  720.6635243.91  716.0235660.14  716.02
36205.77     70036211.53  698.9636360.71  643.1936522.33  612.0136547.02  613.09
36660.12  620.2437136.67  635.6537561.27  688.5237651.56  697.9938087.88  699.72
38235.21   692.338290.35  692.5238671.52  710.0639155.82   719.439456.68     724
39933.85  725.6440310.95  738.9240535.76  739.6940626.82     73841082.77  728.01
41685.71     740 42032.7   732.842355.89   730.142483.27  727.4642552.84  724.95
42656.44  723.3643004.18  726.0943172.36     73043258.35     73044274.12  713.55
44368.93  710.1844586.49  705.9944815.45  707.5644896.74     70645101.11     706
45128.31  706.5445299.78  707.1845574.49  702.6546220.25  684.28   46357  682.64
46577.33  687.6446694.25   691.747221.02  722.7747518.39  731.4148482.86  739.41
48650.51  741.5549131.39  749.1449262.67  754.0150112.47     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21598.5     .1521986.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21598.521986.33             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.39    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.24    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1550848.00   73124.48   1202850.00
  E.G. Slope (ft/ft)      0.000297    Area (sq ft)            1550848.00   73124.48   1202850.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5040094.00   409206.60   2553833.00
  Top Width (ft)          46403.07    Top Width (ft)          18642.23     387.83   27373.01
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.25       5.60       2.12
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.19     188.55      43.94
  Conv. Total (cfs)       464558600.0   Conv. (cfs)            292562800.0   23753250.0   148242600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18661.66     389.43   27410.99
  Min Ch El (ft)            565.22    Shear (lb/sq ft)            1.54       3.48       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.00      19.47       1.73
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   45620.64    2254.04   34120.45
  C & E Loss (ft)             0.00    Cum SA (acres)            549.24      11.96     824.45


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267571.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.76  761.97 1410.96     760 1919.37     760  2315.9  765.97
 2398.34  765.97 2536.55    770 2745.36     770 2834.89  767.27 3141.11  746.98
  3671.1  722.35 3929.09  713.61 4535.42  701.11 4638.58  702.62 4770.33  705.19
 5560.36  694.56 5758.12  699.36 6002.81  687.59 6041.21  685.97 6715.75  685.97
 6962.75  680.02 7216.89  661.04 7317.11  655.97 7412.48  655.97 7537.07  663.44
 7811.01  693.03 7872.16  695.97 8055.12  687.92 8111.16  687.92 8150.58  686.54
 8282.82  686.62 8363.13  689.45 8492.63  698.11 8730.28  709.64 9120.04  721.94
 9356.71  721.94 9379.03   721.4 9521.77  714.57 9634.01  711.9410497.21  707.65
10833.62  695.4711142.54  670.8711171.37  665.4511327.48  657.8911573.46   655.2
11638.71  657.65 12079.2   694.412418.71     71012927.67  715.9712936.32  716.24
 13119.4  716.5713347.97  706.58 13413.6  705.64   13536  710.2913721.84     720
14093.14     720 14150.4  715.3314239.71  708.6914520.79   710.714714.19  725.06
14787.81     73015218.47     73015758.54  712.0815944.19  684.7515961.32  680.98
16110.24   662.916308.11  633.1416329.74  631.4516581.56  622.1617021.05  614.87
17134.83  614.0319501.92  614.0319721.77     62020096.21     62020500.76  602.08
20671.26  602.0820764.73  598.06 21015.3  594.03 21553.8  590.05 21561.2  589.02
21598.98     58021644.47  573.54 21702.8  568.8221761.12  565.2221951.91  573.08
21986.97     58022067.78  619.5222127.68  627.9222327.88  662.1422389.13  666.33
22674.36  669.0122750.42  671.8823597.22  722.5723881.14  728.8824310.13  732.45
24562.56  738.0624791.97  732.1725310.07  712.8925346.93  710.0525624.55  695.76
25774.29  700.3125821.36  704.1725870.65  704.1726119.89  710.1526493.54  715.09
26642.81  718.6726900.46  732.9127401.51  744.9427612.51  746.5127994.87   740.2
28376.98  727.9928434.03  727.1129155.41  727.0229223.15  728.0630265.19  728.06
30633.04  734.0332086.83  716.1132564.52  722.0833316.15  722.0834237.43  718.06
34405.71  718.0634763.34  721.1434872.54  720.7435247.25  716.1135663.56  716.11
36209.29     70036215.06  698.9536364.27  643.1436525.92  612.0836550.62  613.15
36663.73   620.337140.39  635.7437565.07  688.4937655.38  697.9238091.79  699.65
38239.15  692.18 38294.3   692.438675.55  710.0239159.95   719.439460.87  724.03
39938.14  725.6740315.31  738.9140540.17  739.6940631.25  738.0141087.29  728.06
41690.35     74042037.41  732.8342360.67  730.1842488.07  727.5542557.66  725.04
42661.28  723.4343009.09  726.11 43177.3     73043263.31     73044279.29  713.61
44374.12  710.2444591.72  706.0244820.72  707.5544902.04  705.9745106.45  705.97
45133.65  706.5245305.16  707.1945579.93  702.6846225.81   684.346362.59  682.66
46582.97  687.6146699.91  691.6647226.78  722.7347524.21  731.4148488.88   739.4
48656.56  741.5449137.54  749.1449268.85     75450118.82     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521598.98     .1521986.97     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21598.9821986.97             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.39    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
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  W.S. Elev (ft)            759.24    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1550876.00   73153.07   1202546.00
  E.G. Slope (ft/ft)      0.000297    Area (sq ft)            1550876.00   73153.07   1202546.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5040907.00   409426.00   2552800.00
  Top Width (ft)          46409.59    Top Width (ft)          18642.90     387.99   27378.70
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.25       5.60       2.12
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.19     188.54      43.92
  Conv. Total (cfs)       464486900.0    Conv. (cfs)             292564800.0   23762320.0   148159700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18662.31     389.59   27416.70
  Min Ch El (ft)            565.22    Shear (lb/sq ft)            1.54       3.48       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.01      19.48       1.73
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    45442.98    2245.66   33982.68
  C & E Loss (ft)             0.00    Cum SA (acres)            547.11      11.92     821.31


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267566.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.79  761.98    1411     760 1919.42     760 2315.95  765.95
 2398.39  765.95 2536.61    770 2745.42     770 2834.95  767.25 3141.18  746.95
 3671.19  722.37 3929.18  713.63 4535.53  701.12 4638.68  702.61 4770.43  705.17
 5560.49  694.52 5758.25  699.3 6002.94  687.56 6041.34  685.95  6715.9  685.95
  6962.9  679.96 7217.06    661 7317.27  655.95 7412.64  655.95 7537.24  663.39
 7811.18  692.99 7872.34  695.95  8055.3  687.85 8111.34  687.85 8150.76  686.48
 8283.01   686.6 8363.32  689.45 8492.82  698.12 8730.47  709.64 9120.24   721.9
 9356.92   721.9 9379.24  721.35 9521.98  714.52 9634.23   711.910497.45  707.62
10833.86  695.3911142.78  670.7911171.62  665.3511327.74  657.8111573.72  655.23
11638.97  657.6912079.47  694.4612418.99     71012927.95  715.9512936.61  716.22
 13119.7  716.4913348.27  706.48 13413.9  705.54 13536.3  710.2313722.15     720
14093.46     72014150.72  715.3514240.02  708.7414521.11  710.7614714.52  725.08
14788.14     73015218.81     73015758.89  712.1515944.54  684.9315961.68  681.16
 16110.6  663.0416308.48   633.2 16330.1  631.5116581.93  622.1917021.43  614.89
17135.21  614.0519502.36  614.0519722.21     62020096.65     62020501.22  602.15
20671.72  602.15 20765.2   598.121015.77  594.0521554.29  590.0521561.68  589.03
21599.46     58021645.08  573.5321703.57  568.8121762.06  565.2221952.59   573.1
21987.61     58022068.44  619.6422128.35     62822328.59  662.1522389.86  666.35
22675.14  668.9422751.22  671.7923598.19  722.4723882.17  728.8224311.24  732.46
24563.72   738.124793.18  732.1825311.38  712.8525348.25  710.0125625.93  695.78
 25775.7  700.4325822.78  704.3125872.08  704.3126121.37  710.27 26495.1  715.15
26644.39  718.72 26902.1  732.9827403.25  744.9627614.29  746.4927996.73  740.14
28378.92  727.9228435.98  727.0429157.51  727.0629225.26   728.130267.51   728.1
30635.44  734.0532089.52  716.2132567.31  722.1533319.09  722.1534240.56   718.1
34408.88   718.134766.58  721.2134875.79  720.8135250.58  716.2135666.98  716.21
36212.82     70036218.59  698.9436367.82  643.0936529.52  612.1536554.21  613.22
36667.36  620.3637144.11  635.8337568.88  688.46 37659.2  697.85 38095.7  699.57
38243.09  692.0538298.25  692.2738679.58  709.9839164.07  719.3939465.06  724.05
39942.42   725.740319.68  738.9140544.58  739.6840635.68  738.02 41091.8   728.1
   41695     74042042.13  732.8642365.45  730.2642492.88  727.6442562.47  725.12
42666.11  723.51   43014  726.1243182.25     73043268.27     73044284.46  713.68
 44379.3   710.344596.95  706.06   44826  707.5444907.33  705.9545111.79  705.95
   45139   706.545310.53   707.245585.36  702.7146231.38  684.3346368.18  682.67
46588.61  687.5846705.57  691.6147232.55  722.6947530.04   731.4 48494.9   739.4
48662.62  741.54 49143.7  749.1349275.03  753.9850125.18     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521599.46     .1521987.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21599.4621987.61             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.24    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1550914.00   73180.76   1202270.00
  E.G. Slope (ft/ft)      0.000297    Area (sq ft)            1550914.00   73180.76   1202270.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5041684.00   409633.20   2551816.00
  Top Width (ft)          46416.36    Top Width (ft)          18643.65     388.15   27384.56
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.25       5.60       2.12
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.19     188.54      43.90
  Conv. Total (cfs)       464421900.0    Conv. (cfs)             292569000.0   23771020.0   148081900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18663.06     389.74   27422.56
  Min Ch El (ft)            565.22    Shear (lb/sq ft)            1.54       3.48       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.01      19.49       1.73
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    45265.32    2237.28   33844.93
  C & E Loss (ft)             0.00    Cum SA (acres)            544.97      11.87     818.18


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267561.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.81  761.99 1411.03     760 1919.46     760    2316  765.93
 2398.45  765.93 2536.67    770 2745.49     770 2835.02  767.23 3141.25  746.93
 3671.27  722.38 3929.27  713.65 4535.63  701.12 4638.79   702.6 4770.54  705.14
 5560.61  694.49 5758.38  699.24 6003.08  687.53 6041.48  685.93 6716.05  685.93
 6963.06   679.9 7217.22  660.95 7317.44  655.93 7412.81  655.93 7537.41  663.33
 7811.36  692.95 7872.51  695.93 8055.48  687.78 8111.52  687.78 8150.94  686.41
 8283.19  686.58  8363.5  689.45 8493.01  698.13 8730.67  709.65 9120.44  721.85
 9357.12  721.85 9379.45   721.3 9522.19  714.46 9634.44  711.8510497.68  707.59
 10834.1   695.311143.03  670.7111171.87  665.2511327.99  657.7411573.98  655.26
11639.23  657.7312079.74  694.5312419.26     71012928.24  715.93 12936.9  716.19
13119.99  716.4113348.57  706.37 13414.2  705.4413536.61  710.1713722.46     720
14093.77     72014151.04  715.3714240.34   708.814521.43  710.8314714.85   725.1
14788.47     73015219.15     73015759.25  712.22 15944.9   685.115962.03  681.34
16110.96  663.1916308.84  633.2716330.46  631.58 16582.3  622.2217021.81  614.91
17135.59  614.0719502.79  614.0719722.65     620 20097.1     62020501.68  602.22
20672.19  602.2220765.66  598.1521016.24  594.0721554.77  590.0621562.16  589.03
21599.94     58021645.69  573.5121704.34  568.79   21763  565.2121953.28  573.11
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21988.25     58022069.09  619.7622129.01  628.0922329.29  662.1722390.58  666.36
22675.92  668.8622752.01   671.723599.16  722.3723883.19  728.7524312.36  732.47
24564.88  738.1524794.38  732.19 25312.7  712.8125349.58  709.9725627.31  695.79
 25777.1  700.5525824.19  704.4525873.51  704.4526122.85  710.3826496.65  715.21
26645.98  718.7626903.74  733.0527404.99  744.9827616.07  746.4727998.59  740.09
28380.86  727.8528437.93  726.9729159.61   727.129227.37  728.1530269.83  728.15
30637.83  734.0732092.21   716.3 32570.1  722.2233322.03  722.2234243.69  718.15
34412.04  718.1534769.81  721.2734879.05  720.8935253.91   716.3 35670.4   716.3
36216.35     70036222.12  698.9436371.39  643.0436533.11  612.2236557.81  613.29
36670.98  620.4237147.82  635.9237572.68  688.4237663.03  697.7838099.61  699.49
38247.04  691.92 38302.2  692.1438683.61  709.94 39168.2  719.3939469.25  724.07
39946.71  725.7440324.04   738.940548.98  739.68 40640.1  738.0341096.32  728.15
41699.64     74042046.84  732.8942370.23  730.3442497.68  727.7342567.29  725.21
42670.95  723.5943018.91  726.1443187.19     73043273.23     73044289.63  713.74
44384.49  710.3644602.18  706.0944831.28  707.5244912.62  705.9345117.12  705.93
45144.34  706.4845315.91  707.2145590.79  702.7446236.94  684.3546373.77  682.69
46594.24  687.5546711.23  691.5647238.32  722.6547535.87   731.448500.92   739.4
48668.68  741.5349149.85  749.1349281.21  753.9650131.53      800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521599.94     .1521988.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21599.9421988.25             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.24    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1550955.00   73212.72   1201986.00
  E.G. Slope (ft/ft)      0.000297    Area (sq ft)            1550955.00   73212.72   1201986.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5042468.00   409873.30   2550792.00
  Top Width (ft)          46423.07    Top Width (ft)          18644.34     388.31   27390.42
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.25       5.60       2.12
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.19     188.54      43.88
  Conv. Total (cfs)       464358800.0    Conv. (cfs)            292574700.0   23781720.0   148002400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18663.75     389.90   27428.44
  Min Ch El (ft)            565.21    Shear (lb/sq ft)            1.54       3.48       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.01      19.49       1.72
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    45087.65    2228.89   33707.22
  C & E Loss (ft)             0.00    Cum SA (acres)            542.84      11.83     815.04


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267556.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.84     762 1411.06     760  1919.5     760 2316.05   765.9
  2398.5   765.9 2536.72     770 2745.55     770 2835.08  767.22 3141.32   746.9
 3671.35  722.39 3929.36  713.67 4535.73  701.13 4638.89  702.59 4770.65  705.11
 5560.73  694.46 5758.51  699.18 6003.21   687.5 6041.61   685.9  6716.2   685.9
 6963.22  679.84 7217.38  660.91  7317.6   655.9 7412.97   655.9 7537.58  663.28
 7811.53  692.91 7872.69   695.9 8055.66   687.7  8111.7   687.7 8151.12  686.35
 8283.38  686.56 8363.69  689.44  8493.2  698.14 8730.86  709.65 9120.65   721.8
 9357.33   721.8 9379.66  721.25 9522.41   714.4 9634.66   711.810497.91  707.56
10834.35  695.2211143.28  670.6211172.12  665.1511328.24  657.6711574.24  655.29
11639.49  657.7812080.01  694.5912419.54     71012928.53   715.912937.19  716.17
13120.28  716.3413348.87  706.27 13414.5  705.3413536.91  710.1213722.76     720
14094.09     72014151.35  715.3914240.66  708.8514521.76  710.8914715.18  725.12
 14788.8     73015219.49     730 15759.6   712.315945.25  685.2815962.39  681.52
16111.32  663.3416309.21  633.3316330.83  631.6516582.67  622.2517022.19  614.93
17135.98   614.119503.23   614.119723.09     62020097.55     62020502.13   602.3
20672.65   602.320766.12   598.221016.71   594.121555.25  590.0621562.64  589.03
21600.43      580 21646.3   573.521705.12  568.7821763.93  565.2121953.96  573.13
21988.88     58022069.75  619.8822129.68  628.18   22330  662.18 22391.3  666.38
 22676.7  668.79 22752.8  671.6223600.12  722.2723884.22  728.6924313.47  732.49
24566.05   738.224795.59   732.225314.01  712.77 25350.9  709.9325628.69  695.81
25778.51  700.6725825.61  704.5925874.94  704.5926124.33   710.526498.21  715.26
26647.56   718.826905.38  733.1127406.73     74527617.86  746.4528000.45  740.03
28382.79  727.7828439.88  726.91 29161.7  727.1429229.48   728.230272.15   728.2
30640.23   734.1 32094.9  716.3932572.88   722.333324.97   722.334246.82   718.2
 34415.2   718.234773.05  721.34 34882.3  720.9635257.25  716.3935673.81  716.39
36219.88     70036225.65  698.9336374.95  642.98 36536.7   612.336561.41  613.35
 36674.6  620.4837151.54  636.0137576.48  688.3937666.85   697.738103.52  699.42
38250.97   691.838306.15  692.0138687.64   709.939172.33  719.3939473.44   724.1
39950.99  725.77 40328.4  738.8940553.39  739.6840644.53  738.0441100.84   728.2
41704.28     74042051.55  732.92   42375  730.4142502.48  727.8142572.11   725.3
42675.79  723.6743023.82  726.1543192.13     73043278.19     730 44294.8  713.81
44389.68  710.4244607.41  706.1344836.55  707.5144917.92   705.945122.46   705.9
45149.68  706.4645321.29  707.2245596.22  702.77 46242.5  684.3846379.36   682.7
46599.88  687.5246716.89  691.5247244.08  722.61 47541.7  731.3948506.95  739.39
48674.73  741.53   49156  749.1249287.39  753.9550137.88      800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521600.43     .1521988.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21600.4321988.88             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.24    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1550978.00   73237.16   1201670.00
  E.G. Slope (ft/ft)      0.000297    Area (sq ft)            1550978.00   73237.16   1201670.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5043311.00   410073.50   2549749.00
  Top Width (ft)          46429.59    Top Width (ft)          18645.01     388.45   27396.12
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.25       5.60       2.12
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.18     188.54      43.86
  Conv. Total (cfs)       464281300.0    Conv. (cfs)            292574800.0   23789360.0   147917100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18664.41     390.04   27434.15
  Min Ch El (ft)            565.21    Shear (lb/sq ft)            1.54       3.48       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.01      19.50       1.72
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    44909.98    2220.51   33569.55
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  C & E Loss (ft)             0.00    Cum SA (acres)            540.70      11.78     811.90


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267551.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.87  762.01 1411.09     760 1919.55     760  2316.1  765.88
 2398.55  765.88 2536.78    770 2745.61     770 2835.14   767.2 3141.39  746.87
 3671.43  722.41 3929.45  713.69 4535.83  701.14 4638.99  702.58 4770.75  705.08
 5560.86  694.43 5758.64  699.11 6003.35  687.47 6041.75  685.88 6716.35  685.88
 6963.37  679.78 7217.54  660.87 7317.76  655.88 7413.14  655.88 7537.74  663.23
 7811.71  692.87 7872.87  695.88 8055.84  687.63 8111.89  687.63 8151.31  686.28
 8283.56  686.54 8363.88  689.44 8493.39  698.14 8731.05  709.65 9120.85  721.76
 9357.54  721.76 9379.87   721.2 9522.62  714.34 9634.87  711.7610498.15  707.53
10834.59  695.1311143.53  670.5411172.37  665.0511328.49   657.6 11574.5  655.32
11639.75  657.8212080.28  694.6512419.82     71012928.82  715.8812937.47  716.14
13120.57  716.2613349.17  706.17 13414.8  705.2413537.21  710.0613723.07     720
 14094.4     72014151.67  715.4114240.98   708.914522.08  710.9514715.51  725.14
14789.13     73015219.83     73015759.95  712.3715945.61  685.4615962.75   681.7
16111.68  663.4816309.57   633.416331.19  631.7116583.04  622.2817022.57  614.95
17136.36  614.1219503.66  614.1219723.53     620   20098     62020502.59  602.37
20673.11  602.3720766.59  598.2421017.18  594.1221555.73  590.0621563.12  589.04
21600.91     58021646.91  573.4921705.89  568.7721764.87  565.2121954.65  573.15
21989.53     580 22070.4     62022130.35  628.2622330.71  662.1922392.02  666.39
22677.48  668.71 22753.6  671.5323601.09  722.1623885.24  728.6224314.58   732.5
24567.21  738.24 24796.8  732.2225315.32  712.7325352.22  709.8925630.06  695.83
25779.92  700.7925827.03  704.7325876.37  704.7326125.81  710.6226499.76  715.32
26649.15  718.8526907.01  733.1827408.47  745.0227619.64  746.4328002.31  739.97
28384.73  727.7128441.82  726.84 29163.8  727.1829231.59  728.2430274.47  728.24
30642.62  734.1232097.59  716.4932575.67  722.3733327.91  722.3734249.94  718.24
34418.36  718.2434776.28   721.434885.56  721.0435260.58  716.4935677.23  716.49
36223.41     70036229.18  698.93 36378.5  642.9336540.29  612.37   36565  613.42
36678.22  620.5437155.26   636.137580.29  688.3637670.67  697.6338107.43  699.34
38254.91  691.6738310.11  691.8938691.67  709.8639176.46  719.3839477.62  724.12
39955.28   725.840332.76  738.89 40557.8  739.6840648.96  738.0441105.36  728.24
41708.92     74042056.27  732.9442379.78  730.4942507.29   727.942576.93  725.39
42680.63  723.7543028.72  726.1743197.08     73043283.15     73044299.96  713.87
44394.86  710.4844612.64  706.1644841.83  707.4944923.21  705.8845127.79  705.88
45155.02  706.4445326.66  707.2345601.65  702.7946248.06   684.446384.95  682.72
46605.51   687.546722.55  691.4747249.85  722.5647547.52  731.3948512.97  739.39
48680.79  741.5249162.16  749.1249293.57  753.9350144.24     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521600.91     .1521989.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21600.9121989.53             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.23    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1551023.00   73266.73   1201412.00
  E.G. Slope (ft/ft)      0.000297    Area (sq ft)            1551023.00   73266.73   1201412.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5044056.00   410285.80   2548792.00
  Top Width (ft)          46436.36    Top Width (ft)          18645.77     388.62   27401.97
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.25       5.60       2.12
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.18     188.53      43.84
  Conv. Total (cfs)       464222800.0    Conv. (cfs)            292581100.0   23798680.0   147843000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18665.16     390.21   27440.01
  Min Ch El (ft)            565.21    Shear (lb/sq ft)            1.54       3.48       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.01      19.51       1.72
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    44732.30    2212.11   33431.91
  C & E Loss (ft)             0.00    Cum SA (acres)            538.57      11.74     808.76


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267546.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1238.9  762.02 1411.12     760 1919.59     760 2316.16  765.85
 2398.61  765.85 2536.84    770 2745.67     770 2835.21  767.19 3141.46  746.84
 3671.51  722.42 3929.53  713.71 4535.93  701.14  4639.1  702.57 4770.86  705.05
 5560.98   694.4 5758.76  699.05 6003.48  687.44 6041.88  685.85  6716.5  685.85
 6963.53  679.73  7217.7  660.82 7317.93  655.85 7413.31  655.85 7537.91  663.18
 7811.88  692.83 7873.04  695.85 8056.02  687.56 8112.07  687.56 8151.49  686.22
 8283.75  686.52 8364.06  689.44 8493.58  698.15 8731.25  709.65 9121.06  721.71
 9357.75  721.71 9380.08  721.15 9522.83  714.29 9635.09  711.7110498.38   707.5
10834.83  695.0511143.78  670.4611172.62  664.9511328.75  657.5311574.76  655.35
11640.01  657.8712080.55  694.71 12420.1     71012929.11  715.8512937.76  716.12
13120.87  716.1813349.46  706.06 13415.1  705.1413537.51     71013723.38     720
14094.72     72014151.98  715.43 14241.3  708.9514522.41  711.0114715.84  725.16
14789.46     73015220.17     730 15760.3  712.4415945.97  685.63 15963.1  681.88
16112.04  663.6316309.94  633.4716331.56  631.7816583.41  622.3117022.96  614.97
17136.74  614.15 19504.1  614.1519723.97     62020098.45     62020503.05  602.44
20673.57  602.4420767.05  598.2921017.65  594.1521556.21  590.06 21563.6  589.04
21601.39     58021647.52  573.4721706.66  568.7621765.81  565.2121955.34  573.17
21990.16     58022071.06  620.1222131.02  628.3522331.42   662.222392.74  666.41
22678.26  668.6422754.39  671.4523602.06  722.0623886.27  728.5624315.69  732.52
24568.37  738.2924798.01  732.2325316.64  712.6825353.54  709.8525631.44  695.84
25781.33  700.9125828.45  704.8725877.79  704.8726127.29  710.7426501.31  715.38
26650.73  718.8926908.65  733.2527410.21  745.0427621.42  746.4128004.17  739.91
28386.67  727.6428443.77  726.7729165.89  727.22 29233.7  728.2930276.79  728.29
30645.02  734.1532100.29  716.5832578.46  722.4433330.86  722.4434253.07  718.29
34421.52  718.2934779.52  721.4734888.82  721.1135263.91  716.5835680.65  716.58
36226.93     70036232.71  698.9236382.07  642.8836543.88  612.44 36568.6  613.48
36681.84   620.637158.98  636.1937584.09  688.3237674.49  697.5638111.34  699.26
38258.86  691.5538314.05  691.76 38695.7  709.8239180.59  719.3839481.82  724.15
39959.56  725.8440337.12  738.8840562.21  739.6840653.38  738.0541109.88  728.29
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41713.56     74042060.98  732.9742384.56  730.5742512.09  727.9942581.74  725.47
42685.47  723.8243033.63  726.1843202.02     73043288.11     73044305.13  713.93
44400.05  710.5444617.88   706.244847.11  707.4844928.51  705.8545133.12  705.85
45160.36  706.4245332.04  707.2445607.08  702.8246253.62  684.4346390.54  682.73
46611.14  687.4746728.21  691.4347255.61  722.5247553.35  731.3848518.99  739.39
48686.85  741.5149168.31  749.1149299.75  753.9250150.59     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521601.39     .1521990.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21601.3921990.16             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.23    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1551053.00   73293.66   1201112.00
  E.G. Slope (ft/ft)      0.000297    Area (sq ft)            1551053.00   73293.66   1201112.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5044871.00   410495.60   2547767.00
  Top Width (ft)          46442.87    Top Width (ft)          18646.42     388.77   27407.68
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.25       5.60       2.12
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.18     188.53      43.82
  Conv. Total (cfs)       464152400.0    Conv. (cfs)            292584000.0   23807240.0   147761100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18665.80     390.35   27445.72
  Min Ch El (ft)            565.21    Shear (lb/sq ft)            1.54       3.48       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.02      19.52       1.72
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    44554.62    2203.72   33294.30
  C & E Loss (ft)             0.00    Cum SA (acres)            536.43      11.70     805.62


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267541.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.93  762.04 1411.15     760 1919.63     760 2316.21  765.83
 2398.66  765.83 2536.89    770 2745.73     770 2835.27  767.17 3141.53  746.82
  3671.6  722.44 3929.62  713.73 4536.03  701.15  4639.2  702.56 4770.97  705.03
 5561.11  694.37 5758.89  698.99 6003.61  687.41 6042.02  685.83 6716.65  685.83
 6963.68  679.67 7217.86  660.78 7318.09  655.83 7413.47  655.83 7538.08  663.12
 7812.06  692.79 7873.22  695.83  8056.2  687.49 8112.25  687.49 8151.67  686.16
 8283.93   686.5 8364.25  689.43 8493.77  698.16 8731.45  709.65 9121.26  721.66
 9357.96  721.66 9380.29   721.1 9523.04  714.23  9635.3  711.6610498.62  707.47
10835.07  694.9711144.03  670.3811172.87  664.85   11329  657.4611575.01  655.38
11640.27  657.9112080.82  694.7712420.37     710 12929.4  715.8312938.05  716.09
13121.16   716.113349.76  705.96 13415.4  705.0413537.82  709.9513723.68     720
14095.03     720 14152.3  715.4414241.61    70914522.73  711.0814716.16  725.18
14789.79     73015220.51    73015760.65  712.5115946.32  685.8115963.46  682.06
 16112.4  663.77 16310.3  633.5316331.92  631.8516583.78  622.3417023.33  614.99
17137.12  614.1719504.54  614.1719724.41     620 20098.9    62020503.51  602.51
20674.03  602.5120767.51  598.3421018.12  594.1721556.69  590.0621564.08  589.05
21601.87     58021648.13  573.4621707.44  568.7521766.74  565.2121956.02  573.18
 21990.8     58022071.71  620.2422131.69  628.4422332.13  662.2222393.46  666.42
22679.04  668.5722755.19  671.3623603.02  721.9623887.29  728.49 24316.8  732.53
24569.54  738.3424799.22  732.2425317.95  712.6425354.86  709.8125632.82  695.86
25782.74  701.0225829.87  705.0125879.22  705.0126128.77  710.8526502.87  715.44
26652.32  718.9426910.29  733.3127411.95  745.06 27623.2  746.3928006.03  739.86
28388.61  727.5728445.72  726.7129167.99  727.2629235.81  728.3430279.11  728.34
30647.41  734.1732102.97  716.6732581.25  722.5133333.79  722.51 34256.2  718.34
34424.68  718.3434782.75  721.5334892.07  721.1935267.24  716.6735684.07  716.67
36230.46     70036236.24  698.9136385.62  642.8336547.48  612.51 36572.2  613.55
36685.46  620.66 37162.7  636.2937587.89  688.2937678.31  697.4938115.25  699.19
 38262.8  691.4238318.01  691.6338699.73  709.7939184.71  719.38   39486  724.17
39963.85  725.8740341.49  738.8740566.62  739.6840657.81  738.06 41114.4  728.34
 41718.2     74042065.69    73342389.34  730.6542516.89  728.0842586.56  725.56
42690.31   723.943038.54   726.243206.96    73043293.07    730 44310.3    714
44405.24   710.644623.11  706.2344852.39  707.46 44933.8  705.8345138.46  705.83
 45165.7   706.445337.41  707.2545612.52  702.8546259.19  684.4546396.13  682.75
46616.78  687.4446733.87  691.3847261.38  722.4847559.18  731.3748525.01  739.38
 48692.9  741.5149174.46  749.1149305.93   753.950156.95     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521601.87     .15 21990.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21601.87 21990.8             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.23    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1551089.00   73323.16   1200817.00
  E.G. Slope (ft/ft)      0.000297    Area (sq ft)            1551089.00   73323.16   1200817.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5045681.00   410718.90   2546734.00
  Top Width (ft)          46449.58    Top Width (ft)          18647.12     388.93   27413.54
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.25       5.60       2.12
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.18     188.52      43.80
  Conv. Total (cfs)       464084200.0    Conv. (cfs)            292588000.0   23816690.0   147679500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18666.49     390.51   27451.60
  Min Ch El (ft)            565.21    Shear (lb/sq ft)            1.54       3.49       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.02      19.53       1.72
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    44376.94    2195.32   33156.72
  C & E Loss (ft)             0.00    Cum SA (acres)            534.29      11.65     802.48


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267536.*

INPUT
Description:
Station Elevation Data    num=     174
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.95  762.05 1411.18     760 1919.67     760 2316.26  765.81
 2398.71  765.81 2536.95     770 2745.79     770 2835.33  767.15  3141.6  746.79
 3671.68  722.45 3929.71  713.75 4536.13  701.16 4639.31  702.55 4771.07     705
 5561.23  694.34 5759.02  698.93 6003.75  687.38 6042.15  685.81  6716.8  685.81
 6963.84  679.61 7218.02  660.74 7318.25  655.81 7413.64  655.81 7538.25  663.07
 7812.23  692.75 7873.39  695.81 8056.38  687.42 8112.43  687.42 8151.85  686.09
 8284.12  686.48 8364.44  689.43 8493.96  698.17 8731.64  709.65 9121.46  721.62
 9358.17  721.62  9380.5  721.05 9523.26  714.17 9635.52  711.6210498.85  707.44
10835.31  694.8811144.28   670.311173.12  664.7511329.25  657.3911575.27  655.41
11640.53  657.9612081.09  694.8312420.65    71012929.69  715.8112938.34  716.07
13121.45  716.0213350.06  705.85 13415.7  704.9413538.12  709.8913723.99     720
14095.35     72014152.62  715.4614241.93  709.0514523.06  711.1414716.49   725.2
14790.12     73015220.85     730   15761  712.5815946.68  685.9915963.82  682.24
16112.76  663.9216310.66   633.616332.29  631.9116584.15  622.3817023.71  615.01
17137.51  614.1919504.97  614.1919724.85     62020099.35     62020503.96  602.58
20674.49  602.5820767.98  598.3821018.59  594.1921557.18  590.0621564.57  589.05
21602.36     58021648.74  573.4521708.21  568.7421767.68  565.2121956.71   573.2
21991.44     58022072.37  620.3622132.35  628.5222332.84  662.2322394.18  666.43
22679.81  668.4922755.98  671.2723603.99  721.8623888.31  728.4324317.91  732.54
 24570.7  738.3824800.43  732.2525319.27   712.625356.18  709.77 25634.2  695.88
25784.15  701.1425831.29  705.1525880.65  705.1526130.25  710.9726504.42   715.5
 26653.9  718.9826911.92  733.3827413.69  745.0827624.98  746.3728007.89   739.8
28390.54  727.4928447.67  726.6429170.08   727.329237.92  728.3830281.43  728.38
30649.81  734.1932105.67  716.7732584.04  722.5833336.73  722.5834259.32  718.38
34427.85  718.3834785.98   721.634895.33  721.2735270.58  716.7735687.48  716.77
36233.99     70036239.77  698.9136389.18  642.7836551.07  612.58 36575.8  613.62
36689.08  620.7237166.41  636.38 37591.7  688.2637682.14  697.4238119.16  699.11
38266.74  691.2938321.96  691.5138703.75  709.7539188.84  719.3739490.19  724.19
39968.14   725.940345.85  738.8740571.02  739.6740662.23  738.0741118.92  728.38
41722.84     740 42070.4  733.0342394.12  730.73 42521.7  728.1742591.38  725.65
42695.15  723.9843043.45  726.2143211.91     73043298.04     73044315.46  714.06
44410.43  710.6644628.34  706.2744857.66  707.4544939.09  705.81 45143.8  705.81
45171.04  706.3845342.79  707.2645617.95  702.8846264.75  684.4846401.73  682.76
46622.42  687.4146739.53  691.3447267.14  722.44   47565  731.3748531.04  739.38
48698.96   741.549180.62   749.149312.12  753.89 50163.3     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521602.36     .1521991.44     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21602.3621991.44              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.38    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.23    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1551128.00   73349.21   1200538.00
  E.G. Slope (ft/ft)      0.000297    Area (sq ft)            1551128.00   73349.21   1200538.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5046466.00   410917.80   2545749.00
  Top Width (ft)          46456.20    Top Width (ft)          18647.88     389.08   27419.24
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.25       5.60       2.12
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.18     188.52      43.78
  Conv. Total (cfs)       464019100.0    Conv. (cfs)            292592400.0   23824880.0   147601700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18667.25     390.66   27457.33
  Min Ch El (ft)            565.21    Shear (lb/sq ft)            1.54       3.49       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.02      19.53       1.72
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    44199.25    2186.92   33019.18
  C & E Loss (ft)             0.00    Cum SA (acres)            532.16      11.61     799.34


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267531.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1238.98  762.06 1411.22     760 1919.72     760 2316.31  765.78
 2398.77  765.78 2537.01     770 2745.85     770  2835.4  767.14 3141.67  746.76
 3671.76  722.46  3929.8  713.77 4536.23  701.16 4639.41  702.54 4771.18  704.97
 5561.36   694.3 5759.15  698.87 6003.88  687.35 6042.29  685.78 6716.95  685.78
 6963.99  679.55 7218.18  660.69 7318.42  655.78  7413.8  655.78 7538.42  663.02
  7812.4  692.71 7873.57  695.78 8056.56  687.35 8112.61  687.35 8152.03  686.03
  8284.3  686.46 8364.62  689.43 8494.15  698.17 8731.83  709.65 9121.67  721.57
 9358.38  721.57 9380.71     721 9523.47  714.12 9635.73  711.5710499.09  707.41
10835.56   694.811144.53  670.2211173.37  664.6511329.51  657.3211575.53  655.44
11640.79     65812081.36  694.8912420.93     71012929.98  715.7812938.63  716.05
13121.75  715.9413350.36  705.75   13416  704.8413538.42  709.83 13724.3     720
14095.66     72014152.93  715.4814242.25   709.114523.38   711.214716.82  725.22
14790.45     73015221.19     73015761.36  712.6515947.04  686.1715964.17  682.42
16113.12  664.0616311.03  633.6616332.65  631.9816584.52  622.41 17024.1  615.03
17137.89  614.2219505.41  614.2219725.29     620 20099.8     62020504.42  602.65
20674.96  602.6520768.44  598.4321019.06  594.2221557.66  590.0621565.05  589.05
21602.84     58021649.35  573.4321708.98  568.7321768.62   565.221957.39  573.22
21992.08     58022073.03  620.4822133.02  628.6122333.55  662.24 22394.9  666.45
22680.59  668.4222756.78  671.1923604.96  721.7623889.34  728.3624319.02  732.56
24571.86  738.4324801.64  732.2725320.58  712.5625357.51  709.7325635.58  695.89
25785.55  701.26 25832.7  705.2925882.08  705.2926131.72  711.0926505.98  715.56
26655.49  719.0326913.56  733.4527415.42   745.127626.77  746.3528009.75  739.74
28392.48  727.4228449.62  726.5729172.18  727.3529240.03  728.4330283.75  728.43
 30652.2  734.2232108.36  716.8632586.82  722.6533339.68  722.6534262.45  718.43
34431.01  718.4334789.22  721.6634898.59  721.3435273.91  716.86 35690.9  716.86
36237.52     700 36243.3   698.936392.74  642.7336554.66  612.6536579.39  613.68
 36692.7  620.7837170.13  636.47 37595.5  688.2237685.96  697.3538123.07  699.03
38270.68  691.1738325.91  691.3838707.79  709.7139192.97  719.3739494.38  724.22
39972.42  725.9340350.21  738.8640575.43  739.6740666.66  738.0741123.44  728.43
41727.48     74042075.11  733.0642398.89   730.8 42526.5  728.25 42596.2  725.74
42699.99  724.0643048.36  726.2343216.85     730   43303     73044320.63  714.13
44415.61  710.7244633.57   706.344862.94  707.4444944.39  705.7845149.13  705.78
45176.38  706.3645348.16  707.2745623.38  702.9146270.32   684.546407.32  682.78
46628.05  687.3846745.19  691.2947272.91  722.3947570.83  731.3648537.06  739.38
48705.02   741.549186.77   749.1 49318.3  753.8750169.65     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521602.84     .1521992.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      21602.8421992.08             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.23    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1551170.00   73379.12   1200237.00
  E.G. Slope (ft/ft)      0.000298    Area (sq ft)            1551170.00   73379.12   1200237.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5047300.00   411144.70   2544689.00
  Top Width (ft)          46462.87    Top Width (ft)          18648.53     389.24   27425.10
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.25       5.60       2.12
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.18     188.52      43.76
  Conv. Total (cfs)       463952700.0    Conv. (cfs)            292599000.0   23834630.0   147519100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18667.89     390.82   27463.19
  Min Ch El (ft)            565.20    Shear (lb/sq ft)            1.54       3.49       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.02      19.54       1.72
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    44021.56    2178.52   32881.67
  C & E Loss (ft)             0.00    Cum SA (acres)            530.02      11.56     796.20


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267526.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.01  762.07 1411.25     760 1919.76     760 2316.36  765.76
 2398.82  765.76 2537.06     770 2745.92     770 2835.46  767.12 3141.74  746.73
 3671.84  722.48 3929.88  713.79 4536.34  701.17 4639.51  702.53 4771.29  704.94
 5561.48  694.27 5759.28   698.8 6004.02  687.32 6042.42  685.76  6717.1  685.76
 6964.15  679.49 7218.35  660.65 7318.58  655.76 7413.97  655.76 7538.59  662.97
 7812.58  692.67 7873.75  695.76 8056.74  687.28 8112.79  687.28 8152.22  685.96
 8284.49  686.44 8364.81  689.42 8494.34  698.18 8732.03  709.66 9121.87  721.52
 9358.59  721.52 9380.92  720.95 9523.68  714.06 9635.95  711.5210499.32  707.38
 10835.8  694.7111144.78  670.1311173.62  664.5511329.76  657.2511575.79  655.47
11641.05  658.0512081.63  694.9512421.21    71012930.26  715.7612938.92  716.02
13122.04  715.8713350.66  705.64 13416.3  704.7413538.72  709.78 13724.6     720
14095.98     72014153.25   715.514242.57  709.1514523.71  711.2614717.15  725.23
14790.78     73015221.53    73015761.71  712.7215947.39  686.3415964.53   682.6
16113.48  664.2116311.39  633.7316333.02  632.0516584.89  622.4417024.47  615.05
17138.27  614.2419505.84  614.2419725.73    62020100.25    62020504.88  602.72
20675.42  602.72 20768.9  598.4821019.53  594.2421558.14  590.0621565.53  589.06
21603.32     58021649.96  573.4221709.76  568.7221769.55   565.221958.08  573.24
21992.72     58022073.68   620.622133.69   628.722334.25  662.2522395.62  666.46
22681.37  668.3422757.57   671.123605.92  721.6623890.36   728.324320.13  732.57
24573.02  738.4824802.85  732.28 25321.9  712.5225358.83  709.6925636.96  695.91
25786.96  701.3825834.12  705.4325883.51  705.43 26133.2   711.226507.53  715.62
26657.07  719.07 26915.2  733.5127417.16  745.1127628.55  746.3328011.61  739.69
28394.42  727.3528451.57   726.529174.27  727.3929242.14  728.4830286.07  728.48
 30654.6  734.2432111.05  716.9632589.61  722.7233342.62  722.7234265.58  718.48
34434.17  718.4834792.45  721.7334901.84  721.4235277.24  716.9635694.32  716.96
36241.05     70036246.82   698.9 36396.3  642.6836558.25  612.7236582.99  613.75
36696.32  620.8437173.85  636.56 37599.3  688.1937689.78  697.2838126.98  698.95
38274.62  691.0438329.86  691.2538711.81  709.67 39197.1  719.3739498.57  724.24
39976.71  725.9740354.57  738.8640579.84  739.6740671.09  738.0841127.96  728.48
41732.13     74042079.82  733.0842403.67  730.88 42531.3  728.3442601.02  725.82
42704.82  724.1443053.27  726.24 43221.8    73043307.96     730 44325.8  714.19
 44420.8  710.78 44638.8  706.3444868.22  707.4244949.68  705.7645154.47  705.76
45181.72  706.3445353.54  707.2945628.81  702.9446275.88  684.5346412.91  682.79
46633.69  687.3546750.84  691.2447278.68  722.3547576.66  731.3648543.08  739.37
48711.07  741.4949192.93  749.0949324.48  753.85   50176     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521603.32     .1521992.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21603.3221992.72             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.23    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1551216.00   73407.26   1199938.00
  E.G. Slope (ft/ft)      0.000298    Area (sq ft)            1551216.00   73407.26   1199938.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5048141.00   411356.80   2543636.00
  Top Width (ft)          46469.64    Top Width (ft)          18649.29     389.40   27430.96
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.25       5.60       2.12
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.18     188.51      43.74
  Conv. Total (cfs)       463885600.0    Conv. (cfs)            292605400.0   23843480.0   147436800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18668.64     390.98   27469.07
  Min Ch El (ft)            565.20    Shear (lb/sq ft)            1.54       3.49       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.02      19.55       1.72
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    43843.86    2170.11   32744.19
  C & E Loss (ft)             0.00    Cum SA (acres)            527.89      11.52     793.06


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267521.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.04  762.08 1411.28     760  1919.8     760 2316.41  765.74
 2398.88  765.74 2537.12     770 2745.98     770 2835.52  767.11 3141.81  746.71
 3671.92  722.49 3929.97  713.82 4536.44  701.17 4639.62  702.52 4771.39  704.91
  5561.6  694.24 5759.41  698.74 6004.15  687.29 6042.56  685.74 6717.25  685.74
  6964.3  679.44 7218.51  660.61 7318.75  655.74 7414.13  655.74 7538.75  662.91
 7812.75  692.63 7873.92  695.74 8056.92  687.21 8112.97  687.21  8152.4   685.9
 8284.67  686.42    8365  689.42 8494.53  698.19 8732.23  709.66 9122.07  721.48
  9358.8  721.48 9381.13   720.9 9523.89     714 9636.16  711.4810499.56  707.35
10836.04  694.6311145.02  670.0511173.87  664.4511330.01  657.1811576.05   655.5
11641.31  658.09 12081.9  695.0212421.48    71012930.55  715.7412939.21     716
13122.33  715.7913350.96  705.54 13416.6  704.6413539.03  709.7213724.91     720
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14096.29     72014153.56  715.5214242.89   709.214524.03  711.3214717.48  725.25
14791.12     73015221.87     73015762.06  712.7915947.75  686.5215964.88  682.78
16113.84  664.3516311.76   633.816333.38  632.1116585.26  622.4717024.86  615.07
17138.66  614.2619506.28  614.2619726.17     620 20100.7     62020505.34  602.79
20675.88  602.7920769.37  598.52   21020  594.2621558.62  590.0621566.01  589.06
 21603.8     58021650.57   573.421710.53  568.7121770.49   565.221958.76  573.26
21993.36     58022074.34  620.7222134.36  628.7822334.96  662.2722396.35  666.48
22682.15  668.2722758.37  671.0223606.89  721.5623891.39  728.2324321.24  732.59
24574.18  738.5224804.06  732.2925323.21  712.4825360.15  709.6525638.33  695.93
25788.37   701.525835.54  705.5725884.94  705.5726134.68  711.3226509.09  715.67
26658.66  719.1226916.84  733.58 27418.9  745.1327630.33  746.3128013.46  739.63
28396.36  727.2828453.52  726.4429176.37  727.4329244.25  728.5230288.39  728.52
30656.99  734.2632113.74  717.05 32592.4  722.7933345.55  722.7934268.71  718.52
34437.33  718.5234795.69  721.79 34905.1  721.4935280.57  717.0535697.73  717.05
36244.57     70036250.36  698.8936399.86  642.6236561.85  612.7936586.59  613.81
36699.94   620.937177.56  636.6537603.11  688.16 37693.6  697.2138130.89  698.88
38278.56  690.9138333.82  691.1338715.84  709.6339201.22  719.3639502.76  724.26
39980.99     72640358.94  738.8540584.25  739.6740675.52  738.0941132.48  728.52
41736.77     74042084.54  733.1142408.45  730.9642536.11  728.4342605.83  725.91
42709.66  724.2243058.18  726.2643226.74     73043312.92     73044330.97  714.26
44425.98  710.8444644.03  706.37 44873.5  707.4144954.98  705.74 45159.8  705.74
45187.06  706.3245358.91   707.345634.24  702.9746281.44  684.55 46418.5  682.81
46639.32  687.32 46756.5   691.247284.45  722.3147582.48  731.35 48549.1  739.37
48717.13  741.4849199.08  749.0949330.66  753.8450182.36     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21603.8     .1521993.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21603.821993.36             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.38    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.22    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1551246.00   73435.59   1199667.00
  E.G. Slope (ft/ft)      0.000298    Area (sq ft)            1551246.00   73435.59   1199667.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5048889.00   411568.50   2542676.00
  Top Width (ft)          46476.10    Top Width (ft)          18649.89     389.56   27436.65
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.25       5.60       2.12
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.18     188.51      43.72
  Conv. Total (cfs)       463822200.0    Conv. (cfs)             292608700.0   23852490.0   147360900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18669.24     391.13   27474.78
  Min Ch El (ft)            565.20    Shear (lb/sq ft)            1.54       3.49       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.03      19.56       1.72
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    43666.16    2161.70   32606.75
  C & E Loss (ft)             0.00    Cum SA (acres)            525.75      11.47     789.92


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267516.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.06  762.09 1411.31     760 1919.85     760 2316.47  765.71
 2398.93  765.71 2537.18     770 2746.04     770 2835.59  767.09 3141.88  746.68
 3672.01   722.5 3930.06  713.84 4536.54  701.18 4639.72  702.51  4771.5  704.89
 5561.73  694.21 5759.54  698.68 6004.28  687.26 6042.69  685.71  6717.4  685.71
 6964.46  679.38 7218.67  660.56 7318.91  655.71  7414.3  655.71 7538.92  662.86
 7812.93  692.59  7874.1  695.71  8057.1  687.14 8113.15  687.14 8152.58  685.83
 8284.86   686.4 8365.18  689.42 8494.72   698.2 8732.42  709.66 9122.28  721.43
 9359.01  721.43 9381.34  720.85 9524.11  713.94 9636.38  711.4310499.79  707.32
10836.28  694.5411145.27  669.9711174.12  664.3511330.26  657.1111576.31  655.53
11641.57  658.1412082.17  695.0812421.76     71012930.84  715.71 12939.5  715.97
13122.62  715.7113351.25  705.44 13416.9  704.5413539.33  709.6613725.22     720
14096.61     72014153.88  715.53 14243.2  709.2514524.35  711.3914717.81  725.27
14791.45     73015222.21     73015762.41  712.86 15948.1   686.715965.24  682.96
 16114.2   664.516312.12  633.8616333.75  632.1816585.63   622.517025.24  615.09
17139.04  614.2919506.71  614.2919726.61     62020101.14     620 20505.8  602.86
20676.34  602.8620769.83  598.5721020.47  594.29 21559.1  590.0621566.49  589.07
21604.29     58021651.18  573.39 21711.3  568.6921771.43   565.221959.45  573.27
   21994     58022074.99  620.8422135.03  628.8722335.67  662.2822397.07  666.49
22682.93  668.1922759.16  670.9323607.86  721.4623892.41  728.1724322.36   732.6
24575.35  738.5724805.27   732.325324.53  712.4425361.47  709.6125639.71  695.94
25789.78  701.6125836.96  705.7125886.36  705.7126136.16  711.4426510.64  715.73
26660.24  719.1626918.47  733.6527420.64  745.1527632.11  746.2928015.32  739.57
28398.29  727.2128455.47  726.3729178.46  727.4729246.36  728.5730290.72  728.57
30659.39  734.2932116.43  717.1432595.19  722.86 33348.5  722.8634271.84  718.57
 34440.5  718.5734798.92  721.8534908.36  721.5735283.91  717.1435701.15  717.14
36248.11     70036253.89  698.8836403.42  642.5736565.44  612.8636590.19  613.88
36703.56  620.9637181.28  636.7437606.91  688.1237697.43  697.14 38134.8   698.8
 38282.5  690.7938337.77     69138719.87  709.5939205.35  719.3639506.95  724.29
39985.28  726.03 40363.3  738.8440588.66  739.6740679.94   738.1   41137  728.57
41741.41     74042089.25  733.1442413.23  731.0442540.91  728.5242610.65     726
 42714.5  724.2943063.09  726.2743231.68     73043317.88     73044336.14  714.32
44431.17   710.944649.26  706.4144878.77  707.3944960.27  705.7145165.14  705.71
45192.41   706.345364.29  707.3145639.67     703   46287  684.5846424.09  682.82
46644.96  687.2946762.16  691.1547290.21  722.2747588.31  731.3548555.12  739.37
48723.19  741.4849205.24  749.0849336.84  753.8250188.71     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521604.29     .15   21994     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21604.29   21994             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.37    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.22    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1551276.00   73464.10   1199376.00
  E.G. Slope (ft/ft)      0.000298    Area (sq ft)            1551276.00   73464.10   1199376.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5049677.00   411791.00   2541666.00
  Top Width (ft)          46482.86    Top Width (ft)          18650.64     389.71   27442.51
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.26       5.61       2.12
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  Max Chl Dpth (ft)          194.02    Hydr. Depth (ft)           83.18     188.51      43.71
  Conv. Total (cfs)        463752300.0    Conv. (cfs)            292610300.0    23861780.0   147280200.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18669.99     391.28   27480.66
  Min Ch El (ft)             565.20    Shear (lb/sq ft)            1.54       3.49       0.81
  Alpha                        1.21    Stream Power (lb/ft s)      5.03      19.57       1.72
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    43488.46    2153.29   32469.34
  C & E Loss (ft)              0.00    Cum SA (acres)            523.61      11.43     786.77


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267511.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.09   762.1 1411.34     760 1919.89     760 2316.52  765.69
 2398.98  765.69 2537.23     770  2746.1     770 2835.65  767.08 3141.95  746.65
 3672.09  722.52 3930.15  713.86 4536.64  701.19 4639.82   702.5 4771.61  704.86
 5561.85  694.18 5759.67  698.62 6004.42  687.23 6042.83  685.69 6717.55  685.69
 6964.62  679.32 7218.83  660.52 7319.07  655.69 7414.46  655.69 7539.09  662.81
  7813.1  692.55 7874.27  695.69 8057.28  687.07 8113.34  687.07 8152.76  685.77
 8285.04  686.38 8365.37  689.41 8494.91   698.2 8732.62  709.66 9122.48  721.38
 9359.21  721.38 9381.55   720.8 9524.32  713.89 9636.59  711.3810500.02  707.29
10836.52  694.4611145.52  669.8911174.37  664.2511330.52  657.0411576.57  655.56
11641.83  658.1812082.44  695.1412422.04    71012931.13  715.6912939.79  715.95
13122.92  715.6313351.55  705.33 13417.2  704.4413539.63  709.6113725.52     720
14096.92     720 14154.2  715.5514243.52   709.314524.68  711.4514718.14  725.29
14791.78     73015222.54     73015762.76  712.9315948.46  686.88 15965.6  683.14
16114.56  664.6416312.49  633.9316334.11  632.25   16586  622.5317025.62  615.11
17139.42  614.3119507.15  614.3119727.05     62020101.59     62020506.25  602.93
 20676.8  602.93 20770.3  598.6221020.94  594.3121559.58  590.0621566.97  589.07
21604.77     58021651.79  573.3821712.08  568.6821772.37   565.221960.13  573.29
21994.64     58022075.65  620.9622135.69  628.9622336.38  662.2922397.79  666.51
22683.71  668.1222759.96  670.8523608.82  721.3523893.43  728.1124323.47  732.62
24576.51  738.6224806.47  732.3225325.84  712.3925362.79  709.5725641.09  695.96
25791.19  701.7325838.38  705.8525887.79  705.8526137.64  711.55 26512.2  715.79
26661.83   719.226920.11  733.7227422.38  745.1727633.89  746.2728017.18  739.52
28400.23  727.1428457.42   726.329180.56  727.5129248.46  728.6230293.04  728.62
30661.79  734.3132119.12  717.2432597.97  722.9333351.44  722.9334274.96  718.62
34443.66  718.6234802.16  721.9234911.62  721.6435287.24  717.2435704.57  717.24
36251.63     70036257.41  698.8836406.98  642.5236569.03  612.9336593.79  613.95
36707.18  621.02   37185  636.8437610.71  688.0937701.25  697.0738138.71  698.72
38286.44  690.6638341.72  690.87 38723.9  709.5539209.48  719.3639511.14  724.31
39989.56  726.0740367.66  738.8440593.06  739.6640684.37  738.1141141.51  728.62
41746.05     74042093.96  733.17   42418  731.1142545.71  728.6142615.47  726.09
42719.34  724.37   43068  726.2943236.62     73043322.84     730 44341.3  714.38
44436.36  710.9644654.49  706.4444884.05  707.3844965.57  705.6945170.48  705.69
45197.75  706.2845369.67  707.3245645.11  703.0246292.57   684.646429.68  682.84
46650.59  687.2646767.82  691.1147295.98  722.2347594.14  731.3448561.15  739.36
48729.24  741.4749211.39  749.0849343.02  753.8150195.07     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521604.77     .1521994.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21604.7721994.64             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.22    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                       Flow Area (sq ft)       1551319.00   73492.26   1199065.00
  E.G. Slope (ft/ft)       0.000298    Area (sq ft)            1551319.00   73492.26   1199065.00
  Q Total (cfs)            8003133.00    Flow (cfs)             5050538.00   412004.70   2540591.00
  Top Width (ft)           46489.38    Top Width (ft)          18651.30     389.87   27448.20
  Vel Total (ft/s)             2.83    Avg. Vel. (ft/s)            3.26       5.61       2.12
  Max Chl Dpth (ft)          194.02    Hydr. Depth (ft)           83.17     188.50      43.68
  Conv. Total (cfs)        463683900.0    Conv. (cfs)            292617100.0    23870640.0   147196200.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18670.65     391.44   27486.37
  Min Ch El (ft)             565.20    Shear (lb/sq ft)            1.55       3.49       0.81
  Alpha                        1.21    Stream Power (lb/ft s)      5.03      19.58       1.72
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    43310.75    2144.87   32331.96
  C & E Loss (ft)              0.00    Cum SA (acres)            521.48      11.38     783.63


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267506.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.12  762.12 1411.37     760 1919.93     760 2316.57  765.67
 2399.04  765.67 2537.29     770 2746.16     770 2835.71  767.06 3142.02  746.63
 3672.17  722.53 3930.24  713.88 4536.74  701.19 4639.93  702.49 4771.71  704.83
 5561.98  694.15 5759.79  698.56 6004.55   687.2 6042.96  685.67  6717.7  685.67
 6964.77  679.26 7218.99  660.48 7319.24  655.67 7414.63  655.67 7539.26  662.75
 7813.28   692.5 7874.45  695.67 8057.46     687 8113.52     687 8152.94   685.7
 8285.23  686.36 8365.56  689.41 8495.09  698.21 8732.81  709.66 9122.69  721.33
 9359.42  721.33 9381.76  720.75 9524.53  713.83 9636.81  711.3310500.26  707.26
10836.77  694.3711145.77  669.8111174.62  664.1511330.77  656.9711576.82  655.59
11642.09  658.2212082.71   695.212422.32    71012931.42  715.6712940.08  715.92
13123.21  715.5513351.85  705.23 13417.5  704.3313539.93  709.5513725.83     720
14097.24     72014154.51  715.5714243.84  709.35   14525  711.5114718.46  725.31
14792.11     73015222.88     73015763.12     71315948.82  687.0515965.95  683.32
16114.92  664.7916312.85     63416334.48  632.3116586.37  622.56   17026  615.13
 17139.8  614.3319507.59  614.3319727.49     62020102.04     62020506.71     603
20677.27     60320770.76  598.67 21021.4  594.3321560.06  590.0621567.46  589.07
21605.25     580 21652.4  573.3621712.85  568.67 21773.3   565.221960.82  573.31
21995.28     58022076.31  621.0822136.36  629.0422337.09   662.322398.51  666.52
22684.49  668.0422760.75  670.7623609.79  721.2523894.46  728.0424324.58  732.63
24577.67  738.6724807.69  732.3325327.15  712.3525364.12  709.5325642.47  695.98
 25792.6  701.8525839.79     70625889.22     70626139.12  711.6726513.75  715.85
26663.41  719.2526921.75  733.7827424.12  745.1927635.68  746.2528019.04  739.46
28402.17  727.0728459.37  726.2429182.66  727.5529250.57  728.6730295.36  728.67
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30664.18  734.3332121.81  717.3332600.76     72333354.38     72334278.09  718.67
34446.82  718.6734805.39  721.9834914.87  721.7235290.57  717.3335707.99  717.33
36255.16     70036260.95  698.8736410.54  642.4736572.62     61336597.38  614.01
 36710.8  621.0837188.71  636.9337614.52  688.0637705.07     69738142.62  698.65
38290.38  690.5438345.67  690.7438727.93  709.5139213.61  719.3539515.32  724.33
39993.85   726.140372.02  738.8340597.47  739.6640688.79  738.1141146.03  728.67
 41750.7     74042098.67   733.242422.78  731.1942550.52  728.6942620.29  726.17
42724.18  724.4543072.91   726.343241.57     730 43327.8     73044346.47  714.45
44441.55  711.0244659.72  706.4844889.33  707.3644970.86  705.6745175.81  705.67
45203.09  706.2645375.04  707.3345650.54  703.0546298.13  684.6346435.27  682.86
46656.23  687.2346773.48  691.0647301.74  722.1847599.96  731.3448567.17  739.36
 48735.3  741.4749217.55  749.07 49349.2  753.7950201.42     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521605.25     .1521995.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21605.2521995.28             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.22    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1551375.00   73520.67   1198779.00
  E.G. Slope (ft/ft)      0.000298    Area (sq ft)            1551375.00   73520.67   1198779.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5051372.00   412214.30   2539547.00
  Top Width (ft)          46496.09    Top Width (ft)          18651.99     390.03   27454.06
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.26       5.61       2.12
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.17     188.50      43.66
  Conv. Total (cfs)       463623800.0    Conv. (cfs)            292627500.0   23879690.0   147116700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18671.34     391.59   27492.25
  Min Ch El (ft)            565.20    Shear (lb/sq ft)            1.55       3.49       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.03      19.58       1.72
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    43133.04    2136.45   32194.62
  C & E Loss (ft)             0.00    Cum SA (acres)            519.34      11.34     780.49


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267501.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.15  762.13  1411.4     760 1919.97     760 2316.62  765.64
 2399.09  765.64 2537.35    770 2746.22     770 2835.78  767.04 3142.09   746.6
 3672.25  722.55 3930.32   713.9 4536.84   701.2 4640.03  702.48 4771.82   704.8
  5562.1  694.11 5759.92  698.49 6004.69  687.18  6043.1  685.64 6717.85  685.64
 6964.93   679.2 7219.15  660.43  7319.4  655.64 7414.79  655.64 7539.43   662.7
 7813.45  692.46 7874.62  695.64 8057.64  686.93  8113.7  686.93 8153.13  685.64
 8285.41  686.34 8365.75  689.41 8495.28  698.22    8733  709.66 9122.89  721.29
 9359.63  721.29 9381.96   720.7 9524.74  713.77 9637.02  711.2910500.49  707.23
10837.01  694.2911146.02  669.7211174.86  664.0511331.02   656.911577.08  655.62
11642.35  658.2712082.98  695.2612422.59     71012931.71  715.6412940.36   715.9
 13123.5  715.4813352.15  705.1213417.79  704.2313540.24   709.513726.14     720
14097.55     72014154.83  715.5914244.16   709.414525.33  711.5714718.79  725.33
14792.44     73015223.22     73015763.47  713.0715949.17  687.2315966.31   683.5
16115.28  664.9416313.21  634.0616334.84  632.3816586.74  622.5917026.38  615.15
17140.19  614.3619508.02  614.3619727.93     62020102.49     62020507.17  603.07
20677.73  603.0720771.22  598.7121021.88  594.3621560.54  590.0621567.94  589.08
21605.73     58021653.01  573.3521713.62  568.6621774.24   565.221961.51  573.33
21995.92     58022076.96   621.222137.03  629.13 22337.8  662.3122399.23  666.53
22685.27  667.9722761.54  670.6723610.76  721.1523895.48  727.9824325.69  732.64
24578.83  738.7124808.89  732.3425328.47  712.3125365.44   709.525643.85  695.99
25794.01  701.9725841.21  706.1425890.65  706.14 26140.6  711.7926515.31  715.91
   26665  719.2926923.39  733.8527425.86  745.2127637.46  746.23 28020.9   739.4
28404.11     72728461.31  726.1729184.75  727.5929252.68  728.7130297.68  728.71
30666.58  734.36 32124.5  717.4232603.55  723.0733357.32  723.0734281.22  718.71
34449.98  718.7134808.62  722.0534918.13  721.7935293.91  717.4235711.41  717.42
36258.69     70036264.47  698.87 36414.1  642.4236576.22  613.0736600.98  614.08
36714.43  621.1437192.43  637.0237618.32  688.0237708.89  696.9338146.54  698.57
38294.32  690.4138349.62  690.6238731.96  709.4739217.73  719.3539519.52  724.36
39998.14  726.1340376.39  738.8240601.88  739.6640693.22  738.1241150.55  728.71
41755.34     74042103.39  733.2242427.56  731.2742555.32  728.7842625.11  726.26
42729.02  724.5343077.82  726.3243246.52     73043332.77     73044351.64  714.51
44446.73  711.0844664.95  706.5144894.61  707.3544976.15  705.6445181.14  705.64
45208.43  706.2445380.42  707.3445655.97  703.0846303.69  684.6546440.86  682.87
46661.86   687.246779.14  691.0247307.51  722.1447605.79  731.3348573.19  739.35
48741.36  741.46 49223.7  749.0749355.38  753.7850207.77     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521605.73     .1521995.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21605.7321995.92             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.22    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1551399.00   73548.95   1198519.00
  E.G. Slope (ft/ft)      0.000298    Area (sq ft)            1551399.00   73548.95   1198519.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5052073.00   412425.70   2538635.00
  Top Width (ft)          46502.68    Top Width (ft)          18652.74     390.19   27459.76
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.26       5.61       2.12
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.17     188.50      43.65
  Conv. Total (cfs)       463559200.0    Conv. (cfs)            292627200.0   23888610.0   147043300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18672.08     391.75   27497.96
  Min Ch El (ft)            565.20    Shear (lb/sq ft)            1.55       3.49       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.03      19.59       1.72
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    42955.32    2128.02   32057.31
  C & E Loss (ft)             0.00    Cum SA (acres)            517.20      11.29     777.34


CROSS SECTION
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RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267496.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1239.17  762.14 1411.44     760 1920.02     760 2316.67  765.62
  2399.14  765.62  2537.4     770 2746.28     770 2835.84  767.03 3142.16  746.57
  3672.33  722.56 3930.41  713.92 4536.94  701.21 4640.13  702.47 4771.92  704.77
  5562.22  694.08 5760.05  698.43 6004.82  687.15 6043.23  685.62    6718  685.62
  6965.08  679.15 7219.31  660.39 7319.56  655.62 7414.96  655.62  7539.6  662.65
  7813.63  692.42  7874.8  695.62 8057.82  686.86 8113.88  686.86 8153.31  685.57
   8285.6  686.32 8365.93  689.41 8495.47  698.23  8733.2  709.66 9123.09  721.24
  9359.84  721.24 9382.17  720.65 9524.96  713.72 9637.24  711.2410500.73   707.2
 10837.25  694.2111146.27  669.6411175.11  663.9511331.28  656.8311577.34  655.65
 11642.61  658.3112083.25  695.3212422.87     710   12932  715.6212940.65  715.87
  13123.8   715.413352.45  705.0213418.09  704.1313540.54  709.4413726.44     720
 14097.86     72014155.14  715.6114244.48  709.4514525.65  711.6414719.12  725.35
 14792.77     73015223.56     73015763.82  713.1415949.53  687.4115966.67  683.68
 16115.64  665.0816313.58  634.1316335.21  632.4516587.11  622.6217026.76  615.17
 17140.57  614.3819508.46  614.3819728.38     62020102.94     62020507.63  603.14
 20678.19  603.1420771.69  598.7621022.34  594.3821561.03  590.0621568.42  589.08
 21606.21     58021653.62  573.33 21714.4  568.6521775.18  565.1921962.19  573.35
 21996.56     58022077.62  621.31 22137.7  629.2222338.51  662.3322399.95  666.55
 22686.05  667.8922762.34  670.5923611.72  721.0523896.51  727.91 24326.8  732.66
    24580  738.76 24810.1  732.3525329.78  712.2725366.76  709.4625645.22  696.01
 25795.42  702.0925842.63  706.2825892.08  706.2826142.08  711.9126516.86  715.97
 26666.58  719.3426925.02  733.92 27427.6  745.2327639.24  746.2128022.76  739.34
 28406.04  726.9328463.26   726.129186.85  727.6329254.79  728.76   30300  728.76
 30668.97  734.3832127.19  717.5232606.34  723.1433360.26  723.1434284.35  718.76
 34453.14  718.7634811.86  722.1134921.39  721.8735297.24  717.5235714.82  717.52
 36262.22     700   36268  698.8636417.66  642.3736579.81  613.1436604.58  614.15
 36718.04   621.237196.15  637.1137622.12  687.9937712.71  696.8638150.45  698.49
 38298.26  690.2838353.57  690.4938735.99  709.4339221.86  719.35 39523.7  724.38
 40002.42  726.1740380.75  738.8240606.29  739.6640697.65  738.1341155.07  728.76
 41759.98     740 42108.1  733.2542432.34  731.3542560.12  728.8742629.92  726.35
 42733.86  724.6143082.73  726.3443251.46     73043337.73     730 44356.8  714.58
 44451.92  711.1444670.18  706.5544899.88  707.3444981.45  705.6245186.48  705.62
 45213.77  706.2245385.79  707.35 45661.4  703.1146309.25  684.6846446.45  682.89
  46667.5  687.17 46784.8  690.9747313.27   722.147611.62  731.3248579.21  739.35
 48747.41  741.4549229.86  749.0649361.56  753.7650214.13     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1521606.21     .1521996.56     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21606.2121996.56             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.22    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1551441.00   73578.89   1198194.00
  E.G. Slope (ft/ft)      0.000298    Area (sq ft)            1551441.00   73578.89   1198194.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5052959.00   412658.00   2537516.00
  Top Width (ft)          46509.36    Top Width (ft)          18653.40     390.35   27465.61
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.26       5.61       2.12
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.17     188.49      43.63
  Conv. Total (cfs)       463487500.0    Conv. (cfs)            292633300.0   23898370.0   146955800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18672.74     391.91   27503.84
  Min Ch El (ft)            565.19    Shear (lb/sq ft)            1.55       3.49       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.04      19.60       1.72
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    42777.60    2119.60   31920.03
  C & E Loss (ft)             0.00    Cum SA (acres)            515.07      11.25     774.19


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267491.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800  1239.2  762.15 1411.47     760 1920.06     760 2316.72   765.6
   2399.2   765.6 2537.46     770 2746.34     770  2835.9  767.01 3142.23  746.54
  3672.42  722.57  3930.5  713.94 4537.04  701.21 4640.24  702.46 4772.03  704.75
  5562.35  694.05 5760.18  698.37 6004.96  687.12 6043.37   685.6 6718.15   685.6
  6965.24  679.09 7219.47  660.35 7319.73   655.6 7415.13   655.6 7539.76   662.6
   7813.8  692.38 7874.98   695.6    8058  686.79 8114.06  686.79 8153.49  685.51
  8285.78   686.3 8366.12   689.4 8495.66  698.23  8733.4  709.67  9123.3  721.19
  9360.05  721.19 9382.38   720.6 9525.17  713.66 9637.46  711.1910500.96  707.17
 10837.49  694.1211146.52  669.5611175.36  663.8511331.53  656.76 11577.6  655.68
 11642.87  658.3612083.52  695.3812423.15     71012932.29   715.612940.94  715.85
 13124.09  715.3213352.74  704.9213418.39  704.0313540.84  709.3813726.75     720
 14098.18     72014155.46  715.6314244.79   709.514525.98   711.714719.45  725.37
  14793.1     730 15223.9     73015764.17  713.2115949.88  687.5915967.02  683.86
    16116  665.2316313.94  634.1916335.57  632.5116587.48  622.6517027.14  615.19
 17140.95   614.419508.89   614.419728.81     62020103.39     62020508.09  603.21
 20678.65  603.2120772.15  598.8121022.81   594.421561.51  590.06 21568.9  589.08
  21606.7     58021654.23  573.3221715.17  568.6421776.11  565.1921962.88  573.36
  21997.2     58022078.27  621.4322138.37   629.322339.21  662.3422400.67  666.56
 22686.83  667.8222763.13   670.523612.69  720.9523897.53  727.8524327.91  732.67
 24581.16  738.8124811.31  732.37 25331.1  712.2325368.08  709.42 25646.6  696.03
 25796.82   702.225844.05  706.42 25893.5  706.4226143.56  712.0226518.42  716.02
 26668.17  719.3826926.66  733.9827429.34  745.2527641.02  746.1928024.62  739.29
 28407.98  726.8628465.21  726.0329188.94  727.67 29256.9  728.8130302.32  728.81
 30671.37   734.432129.88  717.6132609.13  723.21 33363.2  723.2134287.48  718.81
  34456.3  718.8134815.09  722.1834924.64  721.9535300.57  717.6135718.24  717.61
 36265.75     70036271.53  698.8536421.22  642.32 36583.4  613.2136608.18  614.21
 36721.66  621.2637199.87   637.237625.93  687.9637716.54  696.7938154.36  698.42
  38302.2  690.1638357.53  690.3638740.02  709.3939225.99  719.3439527.89   724.4
 40006.71   726.240385.11  738.81 40610.7  739.6640702.07  738.1441159.59  728.81
 41764.62     74042112.81  733.2842437.12  731.4242564.93  728.9642634.74  726.44
  42738.7  724.6843087.64  726.35 43256.4     73043342.69     73044361.97  714.64
 44457.11   711.244675.41  706.5844905.16  707.3244986.74   705.645191.82   705.6
 45219.11   706.245391.17  707.3645666.83  703.1446314.82   684.746452.04   682.9
 46673.14  687.1446790.46  690.9247319.04  722.0647617.44  731.3248585.24  739.35
 48753.47  741.4549236.01  749.0649367.75  753.7450220.48     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21606.7     .15 21997.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21606.7 21997.2             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.22    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1551489.00   73606.49   1197914.00
  E.G. Slope (ft/ft)      0.000298    Area (sq ft)            1551489.00   73606.49   1197914.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5053762.00   412866.70   2536505.00
  Top Width (ft)          46516.13    Top Width (ft)          18654.15     390.50   27471.48
  Vel Total (ft/s)            2.83    Avg. Vel. (ft/s)            3.26       5.61       2.12
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.17     188.49      43.61
  Conv. Total (cfs)       463425400.0    Conv. (cfs)            292640600.0   23907250.0   146877600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18673.49     392.06   27509.73
  Min Ch El (ft)            565.19    Shear (lb/sq ft)            1.55       3.50       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.04      19.61       1.72
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    42599.87    2111.17   31782.79
  C & E Loss (ft)             0.00    Cum SA (acres)            512.93      11.20     771.05


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267486.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.23  762.16  1411.5     760  1920.1     760 2316.78  765.57
 2399.25  765.57 2537.52    770 2746.41     770 2835.97     767  3142.3  746.52
  3672.5  722.59 3930.59  713.96 4537.15  701.22 4640.34  702.45 4772.14  704.72
 5562.47  694.02 5760.31  698.31 6005.09  687.09  6043.5  685.57  6718.3  685.57
 6965.39  679.03 7219.64   660.3 7319.89  655.57 7415.29  655.57 7539.93  662.54
 7813.97  692.34 7875.15  695.57 8058.18  686.72 8114.24  686.72 8153.67  685.44
 8285.97  686.28 8366.31   689.4 8495.85  698.24 8733.59  709.67  9123.5  721.15
 9360.26  721.15 9382.59  720.55 9525.38   713.6 9637.67  711.15 10501.2  707.14
10837.73  694.0411146.77  669.4811175.61  663.7511331.78  656.6911577.86  655.71
11643.13   658.412083.79  695.4412423.43     71012932.57  715.5712941.23  715.83
13124.38  715.2413353.04  704.8113418.69  703.9313541.14  709.3313727.05     720
14098.49     72014155.78  715.6414245.11  709.55 14526.3  711.7614719.78  725.39
14793.43     73015224.25     73015764.52  713.2815950.24  687.7615967.38  684.04
16116.36  665.3716314.31  634.2616335.94  632.5816587.85  622.6817027.52  615.21
17141.34  614.4319509.33  614.4319729.26     62020103.84     62020508.54  603.28
20679.11  603.2820772.62  598.8521023.28  594.4321561.99  590.0621569.38  589.09
21607.18     58021654.84  573.3121715.95  568.6321777.05  565.1921963.56  573.38
21997.84     58022078.93  621.5522139.03  629.3922339.92  662.3522401.39  666.58
 22687.6  667.7522763.93  670.4223613.65  720.8523898.55  727.7824329.02  732.69
24582.32  738.8524812.52  732.3825332.41  712.19 25369.4  709.3825647.98  696.04
25798.23  702.3225845.47  706.5625894.93  706.5626145.04  712.1426519.97  716.08
26669.75  719.43 26928.3  734.0527431.08  745.27 27642.8  746.1728026.48  739.23
28409.92  726.7928467.16  725.9729191.04  727.7129259.01  728.8530304.64  728.85
30673.76  734.4332132.57   717.732611.91  723.2833366.14  723.28 34290.6  718.85
34459.46  718.8534818.33  722.24 34927.9  722.0235303.91   717.735721.66   717.7
36269.27     70036275.06  698.8536424.78  642.26   36587  613.2836611.77  614.28
36725.29  621.3237203.59  637.2937629.73  687.9237720.36  696.7238158.27  698.34
38306.14  690.0338361.48  690.2438744.05  709.3539230.12  719.3439532.08  724.43
40010.99  726.2340389.47  738.81 40615.1  739.66 40706.5  738.1441164.11  728.85
41769.26     74042117.52  733.3142441.89   731.542569.73  729.0542639.56  726.52
42743.54  724.7643092.55  726.3743261.34     73043347.65     73044367.14  714.71
44462.29  711.2644680.64  706.6244910.44  707.3144992.04  705.5745197.15  705.57
45224.45  706.1845396.55  707.3745672.26  703.1746320.38  684.7346457.63  682.92
46678.77  687.1146796.12  690.8847324.81  722.0147623.27  731.3148591.26  739.34
48759.53  741.4449242.16  749.0549373.93  753.7350226.84     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521607.18     .1521997.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21607.1821997.84             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.21    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1551509.00   73634.70   1197637.00
  E.G. Slope (ft/ft)      0.000298    Area (sq ft)            1551509.00   73634.70   1197637.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5054504.00   413080.40   2535549.00
  Top Width (ft)          46522.59    Top Width (ft)          18654.75     390.66   27477.18
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.26       5.61       2.12
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.17     188.49      43.59
  Conv. Total (cfs)       463357800.0    Conv. (cfs)            292640800.0   23916140.0   146800800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18674.09     392.22   27515.44
  Min Ch El (ft)            565.19    Shear (lb/sq ft)            1.55       3.50       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.04      19.62       1.72
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    42422.14    2102.73   31645.58
  C & E Loss (ft)             0.00    Cum SA (acres)            510.79      11.16     767.90


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267481.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.26  762.17 1411.53     760 1920.15     760 2316.83  765.55
  2399.3  765.55 2537.57    770 2746.47     770 2836.03  766.98 3142.37  746.49
 3672.58   722.6 3930.67  713.98 4537.25  701.23 4640.45  702.44 4772.24  704.69
  5562.6  693.99 5760.44  698.25 6005.22  687.06 6043.64  685.55 6718.45  685.55
 6965.55  678.97  7219.8  660.26 7320.05  655.55 7415.46  655.55  7540.1  662.49
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 7814.15   692.3 7875.33  695.55 8058.36  686.65 8114.42  686.65 8153.85  685.38
 8286.15  686.26 8366.49   689.4 8496.04  698.25 8733.79  709.67  9123.7   721.1
 9360.47   721.1  9382.8   720.5  9525.6  713.54 9637.88   711.110501.43  707.11
10837.98  693.9511147.02   669.411175.86  663.6511332.04  656.6211578.12  655.74
11643.39  658.4512084.06   695.5 12423.7     71012932.86  715.5512941.52   715.8
13124.68  715.1613353.34  704.7113418.99  703.8313541.44  709.2713727.36     720
14098.81     72014156.09  715.6614245.43   709.614526.62  711.8214720.11  725.41
14793.76     73015224.58     73015764.88  713.35 15950.6  687.9415967.74  684.22
16116.72  665.5216314.67  634.33 16336.3  632.6516588.22  622.71 17027.9  615.23
17141.72  614.4519509.76  614.45 19729.7     62020104.29     620   20509  603.35
20679.57  603.3520773.08   598.921023.75  594.4521562.47  590.0621569.86  589.09
21607.66     58021655.45  573.2921716.72  568.6221777.99  565.1921964.25   573.4
21998.47     58022079.58  621.67 22139.7  629.4722340.63  662.3622402.11  666.59
22688.38  667.6722764.72  670.3323614.62  720.7523899.58  727.7224330.13   732.7
24583.48   738.924813.73  732.3925333.73  712.1525370.72  709.3425649.36  696.06
25799.64  702.4425846.88   706.725896.36   706.726146.51  712.2626521.53  716.14
26671.34  719.4726929.94  734.1227432.82  745.2927644.59  746.1528028.34  739.17
28411.86  726.7228469.11   725.929193.13  727.7529261.12   728.930306.96   728.9
30676.16  734.4532135.27   717.8 32614.7  723.3533369.08  723.3534293.73   718.9
34462.63   718.934821.56  722.3134931.16   722.135307.24   717.835725.07   717.8
 36272.8     70036278.59  698.8436428.34  642.2136590.59  613.3536615.37  614.34
36728.91  621.38 37207.3  637.3837633.54  687.8937724.18  696.6538162.18  698.26
38310.08  689.9138365.43  690.1138748.08  709.3139234.25  719.3339536.27  724.45
40015.28  726.2640393.84   738.840619.51  739.6540710.93  738.1541168.63   728.9
 41773.9     74042122.23  733.3442446.67  731.5842574.54  729.1342644.38  726.61
42748.38  724.8443097.46  726.3843266.29     73043352.61     73044372.31  714.77
44467.48  711.3244685.88  706.6544915.71  707.2944997.33  705.5545202.49  705.55
45229.79  706.1645401.92  707.39 45677.7   703.246325.94  684.7546463.22  682.93
46684.41  687.0846801.78  690.8347330.57  721.9747629.09  731.3148597.28  739.34
48765.58  741.4349248.32  749.0549380.11  753.7150233.19     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521607.66     .1521998.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21607.6621998.47              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.36    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.21    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1551556.00   73661.77   1197339.00
  E.G. Slope (ft/ft)      0.000298    Area (sq ft)            1551556.00   73661.77   1197339.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5055346.00   413288.70   2534499.00
  Top Width (ft)          46529.35    Top Width (ft)          18655.50     390.81   27483.04
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.26       5.61       2.12
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.17     188.48      43.57
  Conv. Total (cfs)       463291400.0    Conv. (cfs)            292647600.0   23924760.0   146719000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18674.83     392.36   27521.32
  Min Ch El (ft)            565.19    Shear (lb/sq ft)            1.55       3.50       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.04      19.62       1.72
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    42244.41    2094.30   31508.40
  C & E Loss (ft)             0.00    Cum SA (acres)            508.65      11.12     764.75


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267476.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.28  762.18 1411.56     760 1920.19     760 2316.88  765.53
 2399.36  765.53 2537.63     770 2746.53     770 2836.09  766.96 3142.44  746.46
 3672.66  722.61 3930.76     714 4537.35  701.23 4640.55  702.43 4772.35  704.66
 5562.72  693.96 5760.56  698.19 6005.36  687.03 6043.77  685.53  6718.6  685.53
  6965.7  678.91 7219.96  660.22 7320.22  655.53 7415.62  655.53 7540.27  662.44
 7814.32  692.26  7875.5  695.53 8058.54  686.58  8114.6  686.58 8154.04  685.31
 8286.34  686.24 8366.68  689.39 8496.23  698.26 8733.98  709.67 9123.91  721.05
 9360.68  721.05 9383.01  720.45 9525.81  713.49  9638.1  711.0510501.67  707.08
10838.22  693.8711147.26  669.3211176.11  663.5511332.29  656.5511578.37  655.77
11643.65  658.4912084.33  695.5712423.98     71012933.15  715.5312941.81  715.78
13124.97  715.0913353.64   704.613419.29  703.7313541.75  709.2113727.67     720
14099.12     72014156.41  715.6814245.75  709.6514526.95  711.8814720.44  725.43
14794.09     73015224.92     73015765.23  713.4215950.95  688.1215968.09   684.4
16117.08  665.6616315.04  634.3916336.67  632.7116588.59  622.7417028.28  615.25
 17142.1  614.47 19510.2  614.4719730.14     62020104.73     62020509.46  603.42
20680.04  603.4220773.54  598.9521024.22  594.4721562.95  590.0621570.35   589.1
21608.14     58021656.06  573.2821717.49  568.6121778.92  565.1921964.93  573.42
21999.12     58022080.24  621.7922140.37  629.5622341.34  662.3822402.84  666.61
22689.16   667.622765.52  670.2523615.59  720.64 23900.6  727.6524331.25  732.72
24584.65  738.9524814.94   732.425335.04   712.125372.05   709.325650.74  696.08
25801.05  702.56 25848.3  706.8425897.79  706.8426147.99  712.3726523.08   716.2
26672.92  719.5226931.57  734.1827434.55  745.3127646.37  746.13 28030.2  739.12
28413.79  726.6528471.06  725.8329195.23  727.7929263.23  728.9530309.28  728.95
30678.55  734.4732137.96  717.8932617.49  723.4233372.02  723.4234296.86  718.95
34465.79  718.95 34824.8  722.3734934.41  722.1735310.57  717.8935728.49  717.89
36276.33     70036282.12  698.83 36431.9  642.1636594.18  613.4236618.97  614.41
36732.53  621.4437211.02  637.4837637.34  687.86   37728  696.5838166.09  698.18
38314.02  689.7838369.38  689.9838752.11  709.2739238.37  719.3339540.46  724.47
40019.56   726.3 40398.2  738.7940623.92  739.6540715.35  738.1641173.15  728.95
41778.54     74042126.95  733.3642451.45  731.6642579.34  729.2242649.19   726.7
42753.21  724.9243102.37   726.443271.23     73043357.57     73044377.48  714.83
44472.67  711.3844691.11  706.6944920.99  707.2845002.62  705.5345207.82  705.53
45235.13  706.14 45407.3   707.445683.12  703.2246331.51  684.7846468.81  682.95
46690.04  687.0546807.44  690.7947336.34  721.9347634.92   731.3 48603.3  739.34
48771.64  741.4349254.47  749.0449386.29   753.750239.54     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521608.14     .1521999.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21608.1421999.12              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.36    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
```

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  W.S. Elev (ft)            759.21    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1551605.00   73691.42   1197046.00
  E.G. Slope (ft/ft)      0.000298    Area (sq ft)            1551605.00   73691.42   1197046.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5056166.00   413506.70   2533460.00
  Top Width (ft)          46535.95    Top Width (ft)          18656.25     390.98   27488.73
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.26       5.61       2.12
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.17     188.48      43.55
  Conv. Total (cfs)       463228100.0    Conv. (cfs)            292655200.0   23934120.0   146638800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18675.59     392.53   27527.03
  Min Ch El (ft)            565.19    Shear (lb/sq ft)            1.55       3.50       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.05      19.63       1.72
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    42066.66    2085.86   31371.26
  C & E Loss (ft)             0.00    Cum SA (acres)            506.52      11.07     761.60


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267471.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.31   762.2 1411.59     760 1920.23     760 2316.93   765.5
 2399.41   765.5 2537.69     770 2746.59     770 2836.16  766.95 3142.51  746.43
 3672.74  722.63 3930.85  714.03 4537.45  701.24 4640.65  702.42 4772.46  704.64
 5562.85  693.92 5760.69  698.12 6005.49     687 6043.91   685.5 6718.75   685.5
 6965.86  678.85 7220.12  660.17 7320.38   655.5 7415.79   655.5 7540.44  662.39
  7814.5  692.22 7875.68   695.5 8058.72  686.51 8114.78  686.51 8154.22  685.25
 8286.52  686.22 8366.87  689.39 8496.42  698.26 8734.17  709.67 9124.11  721.01
 9360.89  721.01 9383.22   720.4 9526.02  713.43 9638.32  711.01 10501.9  707.05
10838.46  693.7811147.51  669.2311176.36  663.4511332.54  656.4811578.63   655.8
11643.91  658.54 12084.6  695.6312424.26     71012933.44   715.5 12942.1  715.75
13125.26  715.0113353.94   704.513419.59  703.6313542.05  709.1613727.97     720
14099.44     72014156.72   715.714246.07  709.7114527.27  711.9514720.77  725.45
14794.42     73015225.26     73015765.58  713.4915951.31   688.315968.45  684.58
16117.44  665.81 16315.4  634.4616337.03  632.7816588.96  622.7817028.66  615.27
17142.48   614.519510.63   614.519730.58     62020105.18     62020509.92  603.49
 20680.5  603.4920774.01  598.9921024.69   594.521563.43  590.0621570.83   589.1
21608.63     58021656.67  573.2621718.26   568.621779.86  565.1921965.62  573.44
21999.75     580 22080.9  621.9122141.04  629.6522342.05  662.3922403.56  666.62
22689.94  667.5222766.31  670.1623616.55  720.5423901.63  727.5924332.36  732.73
24585.81  738.9924816.15  732.4225336.35  712.0625373.37  709.2625652.12  696.09
25802.46  702.6825849.72  706.9825899.22  706.9826149.47  712.4926524.63  716.26
26674.51  719.5626933.21  734.2527436.29  745.3327648.15  746.1128032.06  739.06
28415.73  726.5828473.01  725.7729197.32  727.8429265.34  728.99 30311.6  728.99
30680.95   734.532140.65  717.9932620.28  723.4933374.96  723.4934299.98  718.99
34468.95  718.9934828.03  722.4434937.67  722.25 35313.9  717.9935731.91  717.99
36279.86     70036285.65  698.8336435.46  642.1136597.77  613.4936622.57  614.48
36736.15   621.537214.74  637.5737641.14  687.8237731.82  696.51   38170  698.11
38317.96  689.6538373.33  689.8538756.13  709.24 39242.5  719.3339544.64   724.5
40023.85  726.3340402.56  738.7940628.33  739.6540719.78  738.1741177.67  728.99
41783.18     74042131.66  733.3942456.23  731.7442584.14  729.3142654.01  726.78
42758.05     72543107.28  726.4143276.18     73043362.53     73044382.64   714.9
44477.85  711.4444696.34  706.7244926.27  707.2645007.92   705.545213.16   705.5
45240.47  706.1245412.67  707.4145688.56  703.2546337.07   684.8 46474.4  682.96
46695.68  687.02 46813.1  690.7447342.11  721.8947640.75   731.348609.33  739.33
 48777.7  741.4249260.62  749.0449392.47  753.6850245.89     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521608.63     .1521999.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21608.6321999.75             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.36    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.21    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1551620.00   73716.75   1196744.00
  E.G. Slope (ft/ft)      0.000299    Area (sq ft)            1551620.00   73716.75   1196744.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5056966.00   413714.70   2532453.00
  Top Width (ft)          46542.62    Top Width (ft)          18656.91     391.12   27494.59
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.26       5.61       2.12
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.17     188.48      43.53
  Conv. Total (cfs)       463151600.0    Conv. (cfs)            292653100.0   23942200.0   146556300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18676.24     392.67   27532.93
  Min Ch El (ft)            565.19    Shear (lb/sq ft)            1.55       3.50       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.05      19.64       1.71
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    41888.92    2077.41   31234.15
  C & E Loss (ft)             0.00    Cum SA (acres)            504.38      11.03     758.45


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267466.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.34  762.21 1411.63     760 1920.27     760 2316.98  765.48
 2399.46  765.48 2537.74     770 2746.65     770 2836.22  766.93 3142.58  746.41
 3672.83  722.64 3930.94  714.05 4537.55  701.25 4640.76  702.41 4772.56  704.61
 5562.97  693.89 5760.82  698.06 6005.63  686.97 6044.04  685.48  6718.9  685.48
 6966.02   678.8 7220.28  660.13 7320.54  655.48 7415.95  655.48 7540.61  662.33
 7814.67  692.18 7875.85  695.48  8058.9  686.44 8114.97  686.44  8154.4  685.18
 8286.71   686.2 8367.05  689.39 8496.61  698.27 8734.37  709.67 9124.32  720.96
  9361.1  720.96 9383.43  720.35 9526.23  713.37 9638.53  710.9610502.13  707.02
 10838.7   693.711147.76  669.1511176.61  663.3511332.79  656.4111578.89  655.83
11644.17  658.5812084.87  695.6912424.54     71012933.73  715.4812942.39  715.73
13125.56  714.9313354.24  704.3913419.89  703.5313542.35   709.113728.28     720
14099.75     72014157.04  715.7214246.38  709.76 14527.6  712.0114721.09  725.47
14794.75     730 15225.6     73015765.93  713.5615951.67  688.4715968.81  684.76
 16117.8  665.9516315.76  634.5216337.39  632.8416589.33  622.8117029.04  615.29
17142.87  614.5219511.07  614.5219731.02     62020105.63     62020510.38  603.56
20680.96  603.5620774.47  599.0421025.16  594.5221563.91  590.0621571.31   589.1
21609.11     58021657.28  573.2521719.04  568.58 21780.8  565.18 21966.3  573.45
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22000.39     58022081.55  622.0322141.71  629.7322342.76   662.422404.28  666.64
22690.72  667.4522767.11  670.0723617.52  720.4423902.65  727.5224333.47  732.74
24586.97  739.0424817.36  732.4325337.67  712.0225374.69  709.2225653.49  696.11
25803.87   702.825851.14  707.1225900.65  707.1226150.95  712.6126526.19  716.32
26676.09   719.626934.85  734.3227438.03  745.3527649.93  746.0928033.92     739
28417.67  726.5128474.96   725.729199.42  727.8829267.45  729.0430313.92  729.04
30683.35  734.5232143.34  718.0832623.07  723.56 33377.9  723.5634303.11  719.04
34472.11  719.0434831.27   722.534940.93  722.3235317.24  718.0835735.33  718.08
36283.39     70036289.18  698.8236439.02  642.0636601.36  613.5636626.16  614.54
36739.77  621.5637218.45  637.6637644.95  687.7937735.64  696.4438173.91  698.03
38321.91  689.5338377.29  689.7338760.16   709.239246.63  719.3239548.84  724.52
40028.13  726.3640406.92  738.7840632.73  739.6540724.21  738.1841182.18  729.04
41787.83     74042136.37  733.42   42461  731.8142588.95   729.442658.83  726.87
42762.89  725.0743112.18  726.4343281.12     73043367.49     73044387.81  714.96
44483.04  711.4944701.57  706.7644931.55  707.2545013.21  705.48 45218.5  705.48
45245.82   706.145418.05  707.4245693.99  703.2846342.63  684.8346479.99  682.98
46701.31  686.9946818.75   690.747347.87  721.8547646.57  731.2948615.35  739.33
48783.75  741.4249266.78  749.0349398.65  753.6750252.25     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521609.11     .1522000.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21609.1122000.39             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.36    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.21    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1551667.00   73748.33   1196460.00
  E.G. Slope (ft/ft)      0.000299    Area (sq ft)            1551667.00   73748.33   1196460.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5057754.00   413950.30   2531429.00
  Top Width (ft)          46549.17    Top Width (ft)          18657.60     391.28   27500.29
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.26       5.61       2.12
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.17     188.48      43.51
  Conv. Total (cfs)       463091400.0    Conv. (cfs)            292660600.0   23952720.0   146478000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18676.94     392.83   27538.65
  Min Ch El (ft)            565.18    Shear (lb/sq ft)            1.55       3.50       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.05      19.65       1.71
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    41711.17    2068.97   31097.07
  C & E Loss (ft)             0.00    Cum SA (acres)            502.24      10.98     755.30


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267461.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.37  762.22 1411.66     760 1920.32     760 2317.04  765.46
 2399.52  765.46  2537.8    770 2746.71     770 2836.28  766.92 3142.65  746.38
 3672.91  722.65 3931.03  714.07 4537.65  701.25 4640.86   702.4 4772.67  704.58
 5563.09  693.86 5760.95    698 6005.76  686.94 6044.18  685.46 6719.05  685.46
 6966.17  678.74 7220.44  660.09 7320.71  655.46 7416.12  655.46 7540.77  662.28
 7814.85  692.14 7876.03  695.46 8059.08  686.37 8115.15  686.37 8154.58  685.12
 8286.89  686.18 8367.24  689.38  8496.8  698.28 8734.57  709.67 9124.52  720.91
  9361.3  720.91 9383.64   720.3 9526.45  713.32 9638.75  710.9110502.37  706.99
10838.94  693.6111148.01  669.0711176.86  663.2511333.05  656.3411579.15  655.86
11644.43  658.6212085.14  695.7512424.81     71012934.02  715.4612942.68   715.7
13125.85  714.8513354.53  704.2913420.19  703.4313542.65  709.0413728.59     720
14100.07     72014157.36  715.74 14246.7  709.8114527.92  712.0714721.42  725.49
14795.08     73015225.94     73015766.29  713.6315952.02  688.6515969.16  684.94
16118.16   666.116316.13  634.5916337.76  632.9116589.71  622.8417029.42  615.31
17143.25  614.5419511.51  614.5419731.46     62020106.08     62020510.83  603.63
20681.42  603.6320774.93  599.0921025.63  594.54 21564.4  590.0621571.79  589.11
21609.59     58021657.89  573.2421719.81  568.5721781.73  565.1821966.99  573.47
22001.03     58022082.21  622.1522142.37  629.8222343.47  662.41   22405  666.65
 22691.5  667.37 22767.9  669.9923618.49  720.3423903.68  727.4624334.58  732.76
24588.13  739.0924818.57  732.4425338.98  711.9825376.01  709.1825654.87  696.13
25805.28  702.9125852.56  707.2625902.07  707.2626152.43  712.7326527.74  716.38
26677.68  719.6526936.48  734.3927439.77  745.3727651.71  746.0728035.78  738.95
28419.61  726.44 28476.9  725.6329201.51  727.9229269.56  729.0930316.25  729.09
30685.74  734.5432146.03  718.1732625.85  723.6333380.84  723.6334306.24  719.09
34475.28  719.09 34834.5  722.5734944.18   722.435320.57  718.1735738.75  718.17
36286.91     70036292.71  698.8236442.58  642.0136604.96  613.6336629.76  614.61
36743.39  621.6237222.17  637.7537648.75  687.7637739.46  696.3738177.82  697.95
38325.84   689.438381.24   689.638764.19  709.1639250.75  719.3239553.02  724.54
40032.42   726.440411.29  738.7740637.14  739.6540728.63  738.18 41186.7  729.09
41792.47     74042141.08  733.4542465.78  731.8942593.75  729.4942663.64  726.96
42767.73  725.1543117.09  726.4443286.06     73043372.45     73044392.98  715.03
44488.23  711.55 44706.8  706.7944936.82  707.24 45018.5  705.4645223.83  705.46
45251.16  706.0845423.43  707.4345699.42  703.31 46348.2  684.8546485.59  682.99
46706.95  686.9646824.41  690.6547353.64   721.8 47652.4  731.2948621.38  739.33
48789.81  741.4149272.93  749.0349404.83  753.65 50258.6     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521609.59     .1522001.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21609.5922001.03             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.36    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.21    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1551719.00   73776.30   1196155.00
  E.G. Slope (ft/ft)      0.000299    Area (sq ft)            1551719.00   73776.30   1196155.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5058624.00   414160.70   2530349.00
  Top Width (ft)          46555.84    Top Width (ft)          18658.25     391.44   27506.15
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.26       5.61       2.12
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.17     188.47      43.49
  Conv. Total (cfs)       463026600.0    Conv. (cfs)            292670000.0   23961540.0   146395000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18677.59     392.98   27544.53
  Min Ch El (ft)            565.18    Shear (lb/sq ft)            1.55       3.50       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.05      19.66       1.71
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    41533.42    2060.52   30960.03
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  C & E Loss (ft)             0.00    Cum SA (acres)            500.11      10.94     752.15


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267456.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1239.4  762.23 1411.69     760 1920.36     760 2317.09  765.43
 2399.57  765.43 2537.86     770 2746.77     770 2836.35   766.9 3142.72  746.35
 3672.99  722.67 3931.11  714.09 4537.75  701.26 4640.96  702.39 4772.78  704.55
 5563.22  693.83 5761.08  697.94 6005.89  686.91 6044.31  685.43  6719.2  685.43
 6966.33  678.68  7220.6  660.04 7320.87  655.43 7416.29  655.43 7540.94  662.23
 7815.02   692.1 7876.21  695.43 8059.26   686.3 8115.33   686.3 8154.76  685.05
 8287.08  686.16 8367.43  689.38 8496.99  698.29 8734.76  709.68 9124.72  720.87
 9361.51  720.87 9383.85  720.25 9526.66  713.26 9638.96  710.87 10502.6  706.96
10839.19  693.5311148.26  668.9911177.11  663.15 11333.3  656.2711579.41  655.89
11644.69  658.6712085.41  695.8112425.09     71012934.31  715.4312942.96  715.68
13126.14  714.7713354.83  704.1913420.49  703.3313542.96  708.9913728.89     720
14100.38     72014157.67  715.7514247.02  709.8614528.25  712.1314721.75  725.51
14795.41     73015226.28     73015766.64   713.715952.38  688.8315969.52  685.12
16118.52  666.2416316.49  634.6616338.12  632.9816590.07  622.87 17029.8  615.33
17143.63  614.5719511.94  614.57 19731.9     62020106.53     62020511.29   603.7
20681.88   603.7 20775.4  599.13 21026.1  594.5721564.88  590.0621572.27  589.11
21610.07     580 21658.5  573.2221720.58  568.5621782.67  565.1821967.68  573.49
22001.67     58022082.86  622.2722143.04  629.9122344.18  662.4322405.72  666.66
22692.28   667.322768.69   669.923619.45  720.24 23904.7  727.3924335.69  732.77
 24589.3  739.1324819.78  732.46 25340.3  711.9425377.33  709.1425656.25  696.14
25806.69  703.0325853.98   707.4 25903.5   707.426153.91  712.84 26529.3  716.43
26679.27  719.6926938.12  734.4527441.51  745.39 27653.5  746.0528037.64  738.89
28421.54  726.3728478.85  725.5729203.61  727.9629271.67  729.1330318.57  729.13
30688.14  734.5732148.72  718.2732628.64   723.733383.79   723.734309.37  719.13
34478.44  719.1334837.73  722.6334947.44  722.47 35323.9  718.2735742.16  718.27
36290.44     70036296.24  698.8136446.14  641.9536608.55   613.736633.36  614.67
36747.01  621.6837225.89  637.8437652.55  687.7237743.29   696.338181.73  697.88
38329.79  689.2738385.19  689.4738768.22  709.1239254.88  719.3239557.21  724.57
40036.71  726.4340415.64  738.7740641.55  739.6440733.06  738.1941191.22  729.13
41797.11     74042145.79  733.4842470.56  731.9742598.55  729.5742668.46  727.05
42772.57  725.23   43122  726.4643291.01     73043377.41     73044398.14  715.09
44493.41  711.6144712.03  706.83 44942.1  707.22 45023.8  705.4345229.16  705.43
 45256.5  706.06 45428.8  707.4445704.85  703.3446353.76  684.8846491.18  683.01
46712.58  686.9346830.07   690.6 47359.4  721.7647658.23  731.2848627.39  739.32
48795.87   741.449279.09  749.0249411.01  753.6450264.96     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521610.07     .1522001.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21610.0722001.67             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.36    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.20    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1551734.00   73805.23   1195882.00
  E.G. Slope (ft/ft)      0.000299    Area (sq ft)            1551734.00   73805.23   1195882.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5059336.00   414382.80   2529414.00
  Top Width (ft)          46562.44    Top Width (ft)          18658.99     391.60   27511.84
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.26       5.61       2.12
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.16     188.47      43.47
  Conv. Total (cfs)       462957000.0    Conv. (cfs)            292667300.0   23970790.0   146318900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18678.33     393.14   27550.26
  Min Ch El (ft)            565.18    Shear (lb/sq ft)            1.55       3.50       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.05      19.66       1.71
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    41355.66    2052.06   30823.02
  C & E Loss (ft)             0.00    Cum SA (acres)            497.97      10.89     749.00


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267451.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.42  762.24 1411.72     760  1920.4     760 2317.14  765.41
 2399.63  765.41 2537.91     770 2746.83     770 2836.41  766.88 3142.79  746.32
 3673.07  722.68  3931.2  714.11 4537.86  701.26 4641.07  702.38 4772.88  704.52
 5563.34   693.8 5761.21  697.88 6006.03  686.88 6044.45  685.41 6719.35  685.41
 6966.48  678.62 7220.76     660 7321.03  655.41 7416.45  655.41 7541.11  662.17
  7815.2  692.06 7876.38  695.41 8059.44  686.23 8115.51  686.23 8154.95  684.99
 8287.26  686.14 8367.61  689.38 8497.18  698.29 8734.96  709.68 9124.93  720.82
 9361.72  720.82 9384.06   720.2 9526.87   713.2 9639.18  710.8210502.84  706.93
10839.43  693.4511148.51  668.9111177.36  663.0511333.55   656.211579.67  655.92
11644.95  658.7112085.68  695.8712425.37     710 12934.6  715.4112943.25  715.65
13126.43   714.713355.13  704.0813420.79  703.2313543.26  708.93 13729.2     720
 14100.7     72014157.99  715.7714247.34  709.9114528.57   712.214722.08  725.53
14795.74     73015226.62     73015766.99  713.7715952.73  689.0115969.88   685.3
16118.88  666.3916316.86  634.7216338.49  633.0416590.45   622.917030.18  615.35
17144.01  614.5919512.38  614.5919732.34     62020106.98     62020511.75  603.77
20682.34  603.7720775.86  599.1821026.57  594.5921565.36  590.0621572.75  589.12
21610.56     58021659.11  573.2121721.36  568.5521783.61  565.1821968.36  573.51
22002.31     58022083.52  622.3922143.71  629.9922344.88  662.4422406.44  666.68
22693.06  667.2222769.49  669.8223620.42  720.1423905.72  727.33 24336.8  732.79
24590.46  739.1824820.98  732.4725341.61   711.925378.66   709.125657.63  696.16
25808.09  703.1525855.39  707.5425904.93  707.5426155.39  712.9626530.85  716.49
26680.85  719.7426939.76  734.5227443.25  745.4127655.28  746.03 28039.5  738.83
28423.48   726.3 28480.8   725.529205.71     72829273.78  729.1830320.89  729.18
30690.53  734.5932151.41  718.3632631.43  723.7733386.72  723.77 34312.5  719.18
 34481.6  719.1834840.97   722.7 34950.7  722.5535327.23  718.3635745.58  718.36
36293.97     70036299.77   698.8 36449.7   641.936612.14  613.7736636.96  614.74
36750.63  621.7437229.61  637.9337656.36  687.6937747.11  696.2338185.64   697.8
38333.73  689.1538389.14  689.3538772.25  709.0839259.01  719.31 39561.4  724.59
40040.99  726.4640420.01  738.7640645.96  739.6440737.48   738.241195.74  729.18
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41801.75     74042150.51  733.5142475.34  732.0542603.36  729.6642673.28  727.13
42777.41  725.3143126.91  726.4743295.95     73043382.38     73044403.31  715.16
 44498.6  711.6744717.26  706.8644947.38  707.2145029.09  705.41 45234.5  705.41
45261.84  706.0445434.18  707.4545710.29  703.3746359.32   684.946496.77  683.03
46718.22   686.946835.73  690.5647365.17  721.7247664.05  731.2748633.42  739.32
48801.92   741.449285.24  749.0249417.19  753.6250271.31     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521610.56     .1522002.31     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21610.5622002.31             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.35    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.20    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1551789.00   73831.73   1195577.00
  E.G. Slope (ft/ft)      0.000299    Area (sq ft)            1551789.00   73831.73   1195577.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5060209.00   414585.70   2528339.00
  Top Width (ft)          46569.20    Top Width (ft)          18659.75     391.75   27517.70
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.26       5.62       2.11
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.16     188.47      43.45
  Conv. Total (cfs)       462891500.0    Conv. (cfs)            292676300.0   23979130.0   146236000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18679.10     393.29   27556.13
  Min Ch El (ft)            565.18    Shear (lb/sq ft)            1.55       3.50       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.06      19.67       1.71
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    41177.90    2043.61   30686.04
  C & E Loss (ft)             0.00    Cum SA (acres)            495.83      10.85     745.85


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267446.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.45  762.25 1411.75     760 1920.45     760 2317.19  765.39
 2399.68  765.39 2537.97     770  2746.9     770 2836.47  766.87 3142.86   746.3
 3673.15   722.7 3931.29  714.13 4537.96  701.27 4641.17  702.37 4772.99   704.5
 5563.47  693.77 5761.34  697.81 6006.16  686.85 6044.58  685.39  6719.5  685.39
 6966.64  678.56 7220.92  659.96  7321.2  655.39 7416.62  655.39 7541.28  662.12
 7815.37  692.02 7876.56  695.39 8059.62  686.16 8115.69  686.16 8155.13  684.92
 8287.45  686.12  8367.8  689.37 8497.37   698.3 8735.15  709.68 9125.13  720.77
 9361.93  720.77 9384.27  720.15 9527.08  713.14 9639.39  710.7710503.07   706.9
10839.67  693.3611148.76  668.8211177.61  662.9511333.81  656.1311579.93  655.95
11645.21  658.7612085.95  695.9312425.64     71012934.88  715.3912943.54  715.63
13126.73  714.6213355.43  703.9813421.09  703.1313543.56  708.8713729.51     720
14101.01     72014158.31  715.7914247.66  709.9614528.89  712.2614722.41  725.54
14796.07     73015226.96     73015767.34  713.8415953.09  689.1815970.23  685.48
16119.24  666.5416317.22  634.7916338.85  633.1116590.82  622.9317030.56  615.37
 17144.4  614.6119512.81  614.6119732.78     62020107.43     62020512.21  603.84
 20682.8  603.8420776.33  599.2321027.04  594.6121565.84  590.0621573.23  589.12
21611.04     58021659.72   573.221722.13  568.5421784.54  565.1821969.05  573.52
22002.95     58022084.18  622.5122144.38  630.0822345.59  662.4522407.16  666.69
22693.84  667.1522770.28  669.7323621.39  720.0423906.75  727.2724337.91   732.8
24591.62  739.2324822.19  732.4825342.93  711.8625379.98  709.0625659.01  696.18
 25809.5  703.2725856.81  707.6825906.36  707.6826156.87  713.0826532.41  716.55
26682.44  719.78 26941.4  734.5927444.99  745.4327657.06  746.0128041.36  738.77
28425.42  726.2328482.75  725.43 29207.8  728.0429275.88  729.2330323.21  729.23
30692.93  734.61 32154.1  718.4532634.22  723.8433389.66  723.8434315.62  719.23
34484.76  719.2334844.21  722.7634953.95  722.6335330.57  718.45   35749  718.45
 36297.5     700 36303.3   698.836453.26  641.8536615.73  613.8436640.55  614.81
36754.25   621.837233.32  638.0237660.16  687.6637750.93  696.1638189.55  697.72
38337.67  689.0238393.09  689.2238776.28  709.0439263.14  719.3139565.59  724.61
40045.28  726.4940424.37  738.7540650.37  739.6440741.91  738.2141200.26  729.23
41806.39     74042155.22  733.5342480.11  732.1242608.16  729.75 42678.1  727.22
42782.25  725.3943131.82  726.4943300.89     73043387.34     73044408.48  715.22
44503.79  711.7344722.49   706.944952.66  707.1945034.39  705.3945239.84  705.39
45267.18  706.0245439.55  707.4645715.71   703.446364.88  684.9346502.36  683.04
46723.86  686.8746841.39  690.5147370.94  721.6847669.88  731.2748639.44  739.32
48807.98  741.39 49291.4  749.0149423.38   753.650277.66     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521611.04     .1522002.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21611.0422002.95             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.35    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.20    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1551829.00   73861.20   1195290.00
  E.G. Slope (ft/ft)      0.000299    Area (sq ft)            1551829.00   73861.20   1195290.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5061014.00   414806.60   2527313.00
  Top Width (ft)          46575.82    Top Width (ft)          18660.35     391.91   27523.56
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.26       5.62       2.11
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.16     188.46      43.43
  Conv. Total (cfs)       462828100.0    Conv. (cfs)            292682800.0   23988630.0   146156700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18679.69     393.45   27562.03
  Min Ch El (ft)            565.18    Shear (lb/sq ft)            1.55       3.50       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.06      19.68       1.71
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    41000.13    2035.15   30549.10
  C & E Loss (ft)             0.00    Cum SA (acres)            493.69      10.80     742.70


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267441.*

INPUT
Description:
Station Elevation Data    num=     174
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```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.48  762.26 1411.78     760 1920.49     760 2317.24  765.36
 2399.73  765.36 2538.03    770 2746.96     770 2836.54  766.85 3142.93  746.27
 3673.24  722.71 3931.38  714.15 4538.06  701.28 4641.27  702.36  4773.1  704.47
 5563.59  693.73 5761.47  697.75  6006.3  686.82 6044.72  685.36 6719.65  685.36
 6966.79  678.51 7221.09  659.91 7321.36  655.36 7416.78  655.36 7541.45  662.07
 7815.54  691.98 7876.73  695.36  8059.8  686.09 8115.87  686.09 8155.31  684.86
 8287.63   686.1 8367.99  689.37 8497.56  698.31 8735.34  709.68 9125.33  720.73
 9362.14  720.73 9384.48   720.1  9527.3  713.09 9639.61  710.7310503.31  706.87
10839.91  693.2811149.01  668.7411177.86  662.8511334.06  656.0611580.18  655.98
11645.47   658.812086.22  695.9912425.92    71012935.17  715.3612943.83  715.61
13127.02  714.5413355.73  703.8713421.39  703.0313543.86  708.8213729.81     720
14101.33     72014158.62  715.8114247.98  710.0114529.22  712.3214722.74  725.56
 14796.4     730 15227.3     73015767.69  713.9115953.45  689.3615970.59  685.66
 16119.6  666.6816317.58  634.8616339.22  633.1816591.19  622.9617030.94  615.39
17144.78  614.6419513.25  614.6419733.22    62020107.88    62020512.67  603.91
20683.27  603.9120776.79  599.2721027.51  594.6421566.32  590.0621573.72  589.12
21611.52     58021660.33  573.18 21722.9  568.5321785.48  565.1821969.73  573.54
22003.59     58022084.83  622.6322145.04  630.17 22346.3  662.4622407.88  666.71
22694.62  667.0722771.08  669.6523622.35  719.9423907.77   727.224339.03  732.81
24592.79  739.27 24823.4  732.4925344.24  711.82 25381.3  709.0225660.38  696.19
25810.91  703.3925858.23  707.8225907.79  707.8226158.34  713.1926533.96  716.61
26684.02  719.8326943.04  734.6527446.73  745.4527658.84  745.9928043.22  738.72
28427.35  726.15 28484.7  725.36 29209.9  728.0829277.99  729.2730325.53  729.27
30695.32  734.6432156.79  718.5532637.01  723.9133392.61  723.9134318.75  719.27
34487.92  719.2734847.44  722.8334957.21   722.7 35333.9  718.5535752.41  718.55
36301.03     70036306.82  698.7936456.82   641.836619.33  613.9136644.15  614.87
36757.87  621.8637237.04  638.1237663.96  687.6237754.75  696.0938193.46  697.64
38341.61   688.938397.04  689.0938780.31    70939267.27  719.3139569.78  724.64
40049.56  726.5340428.73  738.7540654.77  739.6440746.34  738.2141204.78  729.27
41811.04     74042159.93  733.5642484.89   732.242612.96  729.8442682.92  727.31
42787.09  725.4643136.73   726.543305.84     730 43392.3     73044413.65  715.28
44508.97  711.7944727.72  706.9344957.93  707.1845039.68  705.3645245.17  705.36
45272.52     70645444.93  707.4745721.15  703.4346370.45  684.9546507.95  683.06
46729.49  686.8446847.05  690.47 47376.7  721.6347675.71  731.2648645.46  739.31
48814.04  741.3949297.55  749.0149429.55  753.5950284.02     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521611.52     .1522003.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21611.5222003.59             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.35    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.20    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1551855.00   73890.10   1195007.00
  E.G. Slope (ft/ft)      0.000299    Area (sq ft)            1551855.00   73890.10   1195007.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5061767.00   415027.50   2526339.00
  Top Width (ft)          46582.41    Top Width (ft)          18661.09     392.07   27529.25
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.26       5.62       2.11
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.16     188.46      43.41
  Conv. Total (cfs)       462759900.0    Conv. (cfs)            292683200.0   23997860.0   146078800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18680.43     393.61   27567.75
  Min Ch El (ft)            565.18    Shear (lb/sq ft)            1.55       3.51       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.06      19.69       1.71
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    40822.36    2026.69   30412.19
  C & E Loss (ft)             0.00    Cum SA (acres)            491.56      10.76     739.54


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267436.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.51  762.28 1411.81     760 1920.53     760 2317.29  765.34
 2399.79  765.34 2538.08    770 2747.02     770  2836.6  766.84    3143  746.24
 3673.32  722.72 3931.46  714.17 4538.16  701.28 4641.38  702.34  4773.2  704.44
 5563.71   693.7 5761.59  697.69 6006.43  686.79 6044.85  685.34  6719.8  685.34
 6966.95  678.45 7221.25  659.87 7321.52  655.34 7416.95  655.34 7541.62  662.02
 7815.72  691.94 7876.91  695.34 8059.98  686.02 8116.05  686.02 8155.49  684.79
 8287.82  686.08 8368.17  689.37 8497.75  698.31 8735.54  709.68 9125.54  720.68
 9362.35  720.68 9384.69  720.05 9527.51  713.03 9639.82  710.6810503.54  706.84
10840.15  693.1911149.26  668.6611178.11  662.7511334.31  655.9911580.44  656.01
11645.73  658.8512086.49  696.06 12426.2    71012935.46  715.3412944.12  715.58
13127.31  714.4613356.02  703.7713421.69  702.9313544.17  708.7613730.12     720
14101.64     72014158.94  715.8314248.29  710.0614529.54  712.3814723.07  725.58
14796.73     73015227.64    73015768.04  713.98 15953.8  689.5415970.95  685.84
16119.96  666.8316317.95  634.9216339.58  633.2416591.56  622.9917031.32  615.42
17145.16  614.6619513.68  614.6619733.66    62020108.33    62020513.12  603.98
20683.73  603.9820777.25  599.3221027.98  594.66 21566.8  590.06 21574.2  589.13
   21612     58021660.94  573.1721723.68  568.5221786.42  565.1721970.42  573.56
22004.23     58022085.49  622.7522145.71  630.2522347.01  662.48 22408.6  666.72
22695.39     66722771.87  669.5623623.32  719.8323908.79  727.1424340.14  732.83
24593.95  739.3224824.61  732.5125345.55  711.7725382.62  708.9825661.76  696.21
25812.32   703.525859.65  707.9625909.21  707.9626159.82  713.3126535.52  716.67
26685.61  719.8726944.67  734.7227448.47  745.4727660.62  745.9728045.08  738.66
28429.29  726.0828486.65   725.329211.99  728.12 29280.1  729.3230327.85  729.32
30697.72  734.6632159.48  718.6432639.79  723.9833395.55  723.9834321.88  719.32
34491.09  719.3234850.68  722.8934960.46  722.7835337.23  718.6435755.83  718.64
36304.55     70036310.36  698.7936460.38  641.7536622.92  613.9836647.75  614.94
36761.49  621.9237240.76  638.2137667.77  687.5937758.57  696.0238197.37  697.57
38345.55  688.77   38401  688.9738784.34  708.9639271.39   719.339573.97  724.66
40053.85  726.5640433.09  738.7440659.18  739.6440750.77  738.22 41209.3  729.32
41815.68     74042164.64  733.5942489.67  732.2842617.77  729.9342687.73   727.4
42791.92  725.5443141.64  726.5243310.78    73043397.26    73044418.81  715.35
44514.16  711.8544732.95  706.9744963.21  707.1745044.97  705.3445250.51  705.34
45277.86  705.98 45450.3  707.4845726.58  703.4546376.01  684.9846513.54  683.07
46735.12  686.8146852.71  690.4247382.47  721.5947681.54  731.2648651.48  739.31
48820.09  741.3849303.71    74949435.73  753.5750290.37     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   21612     .1522004.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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         2161222004.23             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.35    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.20    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1551904.00   73919.73   1194709.00
  E.G. Slope (ft/ft)      0.000299    Area (sq ft)            1551904.00   73919.73   1194709.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5062609.00   415250.30   2525274.00
  Top Width (ft)          46589.08    Top Width (ft)          18661.74     392.23   27535.11
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.26       5.62       2.11
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.16     188.46      43.39
  Conv. Total (cfs)       462696600.0    Conv. (cfs)            292691900.0   24007460.0   145997300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18681.09     393.77   27573.62
  Min Ch El (ft)            565.17    Shear (lb/sq ft)            1.55       3.51       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.06      19.70       1.71
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    40644.59    2018.22   30275.31
  C & E Loss (ft)             0.00    Cum SA (acres)            489.42      10.71     736.39


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267431.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.53  762.29 1411.85     760 1920.57     760 2317.35  765.32
 2399.84  765.32 2538.14     770 2747.08     770 2836.66  766.82 3143.07  746.21
  3673.4  722.74 3931.55  714.19 4538.26  701.29 4641.48  702.33 4773.31  704.41
 5563.84  693.67 5761.72  697.63 6006.56  686.76 6044.99  685.32 6719.95  685.32
  6967.1  678.39 7221.41  659.83 7321.69  655.32 7417.11  655.32 7541.78  661.96
 7815.89   691.9 7877.09  695.32 8060.16  685.95 8116.23  685.95 8155.67  684.73
    8288  686.06 8368.36  689.36 8497.94  698.32 8735.74  709.68 9125.74  720.63
 9362.56  720.63  9384.9     720 9527.72  712.97 9640.04  710.6310503.78  706.81
 10840.4  693.11 11149.5  668.5811178.36  662.6511334.57  655.92 11580.7  656.04
11645.99  658.8912086.75  696.1212426.48     71012935.75  715.3212944.41  715.56
13127.61  714.3813356.32  703.6613421.99  702.8313544.47   708.713730.43     720
14101.96     72014159.25  715.8514248.61  710.1114529.87  712.4414723.39   725.6
14797.06     73015227.98     730 15768.4  714.0515954.16  689.72 15971.3  686.02
16120.32  666.9716318.31  634.9916339.95  633.3116591.93  623.02 17031.7  615.44
17145.54  614.6819514.12  614.68 19734.1     62020108.77     62020513.58  604.05
20684.19  604.0520777.72  599.3721028.45  594.6821567.29  590.0621574.68  589.13
21612.49     58021661.55  573.1521724.45  568.5121787.35  565.17 21971.1  573.58
22004.87     58022086.14  622.8722146.38  630.3422347.72  662.4922409.32  666.74
22696.17  666.9322772.67  669.4723624.29  719.7323909.82  727.0724341.25  732.84
24595.11  739.3724825.82  732.5225346.87  711.7325383.94  708.9425663.14  696.23
25813.73  703.6225861.07   708.125910.64   708.1 26161.3  713.4326537.07  716.73
26687.19  719.9226946.31  734.7927450.21  745.4927662.41  745.9528046.94   738.6
28431.23  726.01 28488.6  725.2329214.09  728.1629282.21  729.3730330.17  729.37
30700.12  734.6832162.17  718.7432642.58  724.0533398.49  724.0534325.01  719.37
34494.25  719.3734853.91  722.9634963.72  722.8535340.57  718.7435759.25  718.74
36308.09     70036313.89  698.7836463.94   641.736626.51  614.0536651.35     615
36765.11  621.9837244.48   638.337671.57  687.56 37762.4  695.9538201.29  697.49
38349.49  688.6438404.95  688.8438788.37  708.9239275.52   719.339578.16  724.68
40058.13  726.5940437.46  738.7440663.59  739.6440755.19  738.2341213.82  729.37
41820.32     74042169.36  733.6242494.45  732.3642622.57  730.0142692.55  727.48
42796.76  725.6243146.55  726.5343315.72     73043402.22     73044423.98  715.41
44519.35  711.9144738.19     70744968.49  707.1545050.27  705.3245255.84  705.32
 45283.2  705.9645455.68   707.545732.01  703.4846381.57     68546519.13  683.09
46740.76  686.7846858.37  690.3847388.23  721.5547687.36  731.2548657.51  739.31
48826.15  741.3749309.86     74949441.92  753.5650296.72     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521612.49     .1522004.87     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21612.4922004.87             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.35    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.20    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1551953.00   73946.48   1194400.00
  E.G. Slope (ft/ft)      0.000299    Area (sq ft)            1551953.00   73946.48   1194400.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5063472.00   415458.40   2524203.00
  Top Width (ft)          46595.69    Top Width (ft)          18662.50     392.38   27540.81
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.26       5.62       2.11
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.16     188.46      43.37
  Conv. Total (cfs)       462629200.0    Conv. (cfs)            292699100.0   24016000.0   145914100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18681.85     393.91   27579.36
  Min Ch El (ft)            565.17    Shear (lb/sq ft)            1.55       3.51       0.81
  Alpha                       1.21    Stream Power (lb/ft s)      5.06      19.70       1.71
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    40466.81    2009.75   30138.47
  C & E Loss (ft)             0.00    Cum SA (acres)            487.28      10.67     733.24


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267426.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.56   762.3 1411.88     760 1920.62     760  2317.4  765.29
 2399.89  765.29  2538.2     770 2747.14     770 2836.73  766.81 3143.14  746.19
 3673.48  722.75 3931.64  714.21 4538.36   701.3 4641.58  702.32 4773.42  704.38
 5563.96  693.64 5761.85  697.57  6006.7  686.73 6045.12  685.29  6720.1  685.29
 6967.26  678.33 7221.57  659.78 7321.85  655.29 7417.28  655.29 7541.95  661.91
 7816.07  691.86 7877.26  695.29 8060.34  685.88 8116.42  685.88 8155.86  684.66
 8288.19  686.05 8368.55  689.36 8498.13  698.33 8735.93  709.68 9125.95  720.59
 9362.77  720.59 9385.11  719.95 9527.93  712.92 9640.25  710.5910504.01  706.78
10840.64  693.0211149.75   668.511178.61  662.5511334.82  655.8511580.96  656.08
11646.25  658.9412087.02  696.1812426.75     71012936.04  715.29 12944.7  715.53
 13127.9   714.313356.62  703.5613422.29  702.7313544.77  708.6513730.73     720
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14102.27     72014159.57  715.8614248.93  710.1614530.19  712.5114723.72  725.62
14797.39     73015228.32     73015768.75  714.1215954.51  689.8915971.66   686.2
16120.68  667.1216318.68  635.0516340.31  633.38 16592.3  623.0517032.08  615.46
17145.93  614.7119514.55  614.7119734.54     62020109.22     62020514.04  604.12
20684.65  604.1220778.18  599.4121028.92  594.7121567.77  590.0621575.16  589.13
21612.97     58021662.16  573.1421725.22   568.521788.29  565.1721971.79   573.6
22005.51     580 22086.8  622.9922147.05  630.4322348.43   662.522410.04  666.75
22696.95  666.8522773.46  669.3923625.25  719.6323910.84  727.0124342.36  732.86
24596.27  739.4124827.03  732.5325348.18  711.6925385.27   708.925664.52  696.24
25815.14  703.7425862.48  708.2425912.07  708.2426162.78  713.5426538.63  716.79
26688.78  719.9626947.95  734.8527451.95  745.5127664.19  745.93 28048.8  738.55
28433.17  725.9428490.55  725.1629216.18   728.229284.32  729.4130332.49  729.41
30702.51  734.7132164.87  718.8332645.37  724.1233401.43  724.1234328.14  719.41
34497.41  719.4134857.14  723.0234966.98  722.93 35343.9  718.8335762.67  718.83
36311.61     70036317.41  698.77 36467.5  641.6536630.11  614.1236654.95  615.07
36768.73  622.04 37248.2  638.3937675.38  687.5237766.22  695.88 38205.2  697.41
38353.43  688.52 38408.9  688.71 38792.4  708.8839279.65   719.339582.34  724.71
40062.42  726.6340441.82  738.73   40668  739.6340759.62  738.2441218.34  729.41
41824.96     74042174.07  733.6542499.23  732.4442627.38   730.142697.37  727.57
 42801.6   725.743151.46  726.5543320.67     73043407.18     73044429.15  715.48
44524.54  711.9744743.42  707.0444973.77  707.1445055.56  705.2945261.18  705.29
45288.54  705.9445461.05  707.5145737.44  703.5146387.13  685.0346524.72   683.1
46746.39  686.7546864.03  690.33   47394  721.5147693.19  731.2548663.53   739.3
 48832.2  741.3749316.02  748.99 49448.1  753.5450303.08     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521612.97     .1522005.51     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21612.9722005.51             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.35    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.20    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1551969.00   73974.93   1194118.00
  E.G. Slope (ft/ft)      0.000299    Area (sq ft)            1551969.00   73974.93   1194118.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5064221.00   415677.10   2523235.00
  Top Width (ft)          46602.30    Top Width (ft)          18663.09     392.54   27546.67
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.26       5.62       2.11
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.16     188.45      43.35
  Conv. Total (cfs)       462559200.0    Conv. (cfs)             292698100.0   24025000.0   145836000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18682.44     394.07   27585.25
  Min Ch El (ft)            565.17    Shear (lb/sq ft)            1.55       3.51       0.81
  Alpha                       1.22    Stream Power (lb/ft s)      5.07      19.71       1.71
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    40289.02    2001.28   30001.66
  C & E Loss (ft)             0.00    Cum SA (acres)            485.14      10.62     730.08


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267421.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.59  762.31 1411.91     760 1920.66     760 2317.45  765.27
 2399.95  765.27 2538.25     770  2747.2     770 2836.79  766.79 3143.21  746.16
 3673.56  722.76 3931.73  714.23 4538.46   701.3 4641.69  702.31 4773.52  704.36
 5564.09  693.61 5761.98  697.51 6006.83   686.7 6045.26  685.27 6720.25  685.27
 6967.42  678.27 7221.73  659.74 7322.01  655.27 7417.44  655.27 7542.12  661.86
 7816.24  691.82 7877.44  695.27 8060.52  685.81  8116.6  685.81 8156.04   684.6
 8288.37  686.03 8368.73  689.36 8498.32  698.34 8736.12  709.69 9126.15  720.54
 9362.98  720.54 9385.32   719.9 9528.15  712.86 9640.47  710.5410504.25  706.75
10840.88  692.94   11150  668.4111178.86  662.4511335.07  655.7811581.22  656.11
11646.51  658.9812087.29  696.2412427.03     71012936.33  715.2712944.99  715.51
13128.19  714.2313356.92  703.4613422.59  702.6313545.07  708.5913731.04     720
14102.59     72014159.89  715.8814249.25  710.2114530.52  712.5714724.05  725.64
14797.72     73015228.66     730 15769.1  714.1915954.87  690.0715972.02  686.38
16121.04  667.2616319.04  635.1216340.68  633.4416592.67  623.0817032.46  615.48
17146.31  614.7319514.99  614.7319734.98     62020109.67     620 20514.5  604.19
20685.11  604.1920778.64  599.4621029.38  594.7321568.25  590.0621575.64  589.14
21613.45     58021662.77  573.13   21726  568.4821789.23  565.1721972.47  573.61
22006.15     58022087.45  623.1122147.72  630.5122349.13  662.5122410.77  666.77
22697.73  666.7822774.25   669.323626.22  719.5323911.87  726.9424343.47  732.87
24597.43  739.4624828.24  732.54 25349.5  711.6525386.59  708.86 25665.9  696.26
25816.54  703.86 25863.9  708.38 25913.5  708.3826164.26  713.6626540.18  716.84
26690.36     72026949.58  734.9227453.69  745.5327665.97  745.9128050.66  738.49
 28435.1  725.87 28492.5   725.129218.28  728.2429286.43  729.4630334.81  729.46
30704.91  734.7332167.56  718.9232648.16  724.1933404.37  724.1934331.26  719.46
34500.57  719.4634860.38  723.0934970.23     72335347.23  718.9235766.08  718.92
36315.14     70036320.95  698.7736471.06  641.59 36633.7  614.1936658.54  615.14
36772.35   622.137251.91  638.4837679.18  687.4937770.04  695.8138209.11  697.34
38357.37  688.3938412.85  688.5838796.43  708.8439283.78  719.2939586.54  724.73
40066.71  726.6640446.18  738.7240672.41  739.6340764.04  738.2541222.86  729.46
 41829.6     74042178.78  733.67   42504  732.5142632.18  730.1942702.19  727.66
42806.44  725.7843156.37  726.5643325.61     73043412.14     73044434.32  715.54
44529.72  712.0344748.65  707.0744979.04  707.1245060.86  705.2745266.51  705.27
45293.88  705.9245466.43  707.5245742.88  703.54 46392.7  685.0546530.31  683.12
46752.03  686.7246869.69  690.2847399.77  721.4747699.02  731.2448669.55   739.3
48838.26  741.3649322.17  748.9949454.28  753.5350309.43     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521613.45     .1522006.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21613.4522006.15             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.35    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.19    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1552012.00   74005.38   1193842.00
  E.G. Slope (ft/ft)      0.000299    Area (sq ft)            1552012.00   74005.38   1193842.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5064985.00   415903.80   2522245.00
  Top Width (ft)          46608.90    Top Width (ft)          18663.84     392.70   27552.36
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.26       5.62       2.11
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  Max Chl Dpth (ft)          194.02    Hydr. Depth (ft)           83.16     188.45      43.33
  Conv. Total (cfs)        462498400.0    Conv. (cfs)            292703800.0    24034940.0   145759700.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18683.19     394.23   27590.97
  Min Ch El (ft)             565.17    Shear (lb/sq ft)            1.55       3.51       0.81
  Alpha                        1.22    Stream Power (lb/ft s)      5.07      19.72       1.71
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    40111.23    1992.80   29864.88
  C & E Loss (ft)              0.00    Cum SA (acres)            483.00      10.58     726.92


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267416.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.62  762.32 1411.94     760  1920.7     760  2317.5  765.25
    2400  765.25 2538.31    770 2747.26     770 2836.85  766.77 3143.28  746.13
 3673.65  722.78 3931.82  714.26 4538.56  701.31 4641.79   702.3 4773.63  704.33
 5564.21  693.58 5762.11  697.44 6006.97  686.67 6045.39  685.25  6720.4  685.25
 6967.57  678.22 7221.89   659.7 7322.18  655.25 7417.61  655.25 7542.29  661.81
 7816.42  691.78 7877.61  695.25  8060.7  685.74 8116.78  685.74 8156.22  684.53
 8288.56  686.01 8368.92  689.35 8498.51  698.34 8736.32  709.69 9126.35  720.49
 9363.19  720.49 9385.53  719.85 9528.36   712.8 9640.68  710.4910504.48  706.72
10841.12  692.8511150.25  668.3311179.11  662.3511335.33  655.7111581.48  656.14
11646.77  659.0212087.56   696.312427.31    71012936.62  715.2512945.28  715.48
13128.49  714.1513357.22  703.3513422.89  702.5213545.38  708.5313731.35     720
 14102.9     720 14160.2   715.914249.57  710.2614530.84  712.6314724.38  725.66
14798.05     730   15229     73015769.45  714.2615955.23  690.2515972.37  686.56
 16121.4  667.4116319.41  635.1916341.04  633.5116593.04  623.1117032.84   615.5
17146.69  614.7519515.43  614.7519735.42    62020110.12    62020514.96  604.26
20685.58  604.2620779.11  599.5121029.85  594.7521568.73  590.0621576.12  589.14
21613.93     58021663.38  573.1121726.77  568.4721790.16  565.1721973.16  573.63
22006.79     58022088.11  623.2322148.38   630.622349.84  662.5322411.49  666.78
22698.51   666.722775.05  669.2223627.18  719.4323912.89  726.8824344.58  732.89
 24598.6  739.5124829.45  732.5625350.81  711.6125387.91  708.8325667.28  696.28
25817.95  703.9825865.32  708.5225914.93  708.5226165.74  713.7826541.74   716.9
26691.95  720.0526951.22  734.9927455.42  745.5527667.75  745.8928052.52  738.43
28437.04   725.828494.45  725.0329220.37  728.2829288.54  729.5130337.13  729.51
 30707.3  734.7532170.25  719.0232650.95  724.2633407.31  724.2634334.39  719.51
34503.73  719.5134863.61  723.1534973.49  723.0835350.57  719.02 35769.5  719.02
36318.67     70036324.47  698.7636474.62  641.5436637.29  614.2636662.14   615.2
36775.97  622.1637255.63  638.5737682.98  687.4637773.86  695.7438213.02  697.26
38361.31  688.26 38416.8  688.4638800.46   708.8 39287.9  719.2939590.72  724.75
40070.99  726.6940450.54  738.7240676.82  739.6340768.47  738.2541227.38  729.51
41834.24     74042183.49   733.742508.78  732.5942636.98  730.28   42707  727.75
42811.28  725.8643161.28  726.5843330.55     730 43417.1     73044439.48  715.61
44534.91  712.0944753.88  707.1144984.32  707.1145066.15  705.2545271.85  705.25
45299.22   705.945471.81  707.53 45748.3  703.5746398.26  685.08 46535.9  683.13
46757.67  686.6946875.35  690.2447405.54  721.4247704.84  731.2448675.57   739.3
48844.32  741.3649328.32  748.9849460.46  753.5150315.79     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521613.93     .1522006.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21613.9322006.79             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.34    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.19    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                       Flow Area (sq ft)       1552059.00   74034.02   1193504.00
  E.G. Slope (ft/ft)       0.000300    Area (sq ft)            1552059.00   74034.02   1193504.00
  Q Total (cfs)            8003133.00    Flow (cfs)             5065909.00   416128.40   2521096.00
  Top Width (ft)           46615.66    Top Width (ft)          18664.58     392.86   27558.22
  Vel Total (ft/s)             2.84    Avg. Vel. (ft/s)            3.26       5.62       2.11
  Max Chl Dpth (ft)          194.02    Hydr. Depth (ft)           83.16     188.45      43.31
  Conv. Total (cfs)        462425000.0    Conv. (cfs)            292710700.0    24044100.0   145670200.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18683.94     394.39   27596.86
  Min Ch El (ft)             565.17    Shear (lb/sq ft)            1.55       3.51       0.81
  Alpha                        1.22    Stream Power (lb/ft s)      5.07      19.73       1.71
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    39933.44    1984.32   29728.14
  C & E Loss (ft)              0.00    Cum SA (acres)            480.87      10.53     723.77


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267411.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.64  762.33 1411.97     760 1920.75     760 2317.55  765.22
 2400.05  765.22 2538.37    770 2747.33     770 2836.92  766.76 3143.35  746.11
 3673.73  722.79  3931.9  714.28 4538.67  701.32  4641.9  702.29 4773.74   704.3
 5564.34  693.54 5762.24  697.38  6007.1  686.64 6045.53  685.22 6720.55  685.22
 6967.73  678.16 7222.05  659.65 7322.34  655.22 7417.78  655.22 7542.46  661.75
 7816.59  691.73 7877.79  695.22 8060.88  685.67 8116.96  685.67  8156.4  684.47
 8288.74  685.99 8369.11  689.35  8498.7  698.35 8736.51  709.69 9126.56  720.45
 9363.39  720.45 9385.74   719.8 9528.57  712.74  9640.9  710.4510504.71  706.69
10841.36  692.77 11150.5  668.2511179.36  662.2511335.58  655.6411581.74  656.17
11647.03  659.0712087.83  696.3612427.59    71012936.91  715.2212945.57  715.46
13128.78  714.0713357.51  703.2513423.19  702.4213545.68  708.4813731.65     720
14103.22     72014160.52  715.9214249.88  710.3114531.17  712.6914724.71  725.68
14798.38     73015229.34     730 15769.8  714.3315955.58  690.4315972.73  686.74
16121.76  667.5516319.77  635.2516341.41  633.5816593.41  623.1417033.22  615.52
17147.08  614.7819515.86  614.7819735.86    62020110.57    62020515.41  604.33
20686.04  604.3320779.57  599.5521030.32  594.7821569.21  590.0621576.61  589.15
21614.42     58021663.99   573.121727.54  568.46 21791.1  565.1721973.85  573.65
22007.43     58022088.77  623.3522149.05  630.6922350.55  662.5422412.21  666.79
22699.29  666.6322775.84  669.1323628.15  719.3323913.92  726.8124345.69   732.9
24599.76  739.5524830.66  732.5725352.13  711.5725389.23  708.7925668.65  696.29
25819.36  704.0925866.74  708.6725916.36  708.6726167.22   713.926543.29  716.96
26693.53  720.0926952.86  735.0627457.16  745.5727669.53  745.8728054.38  738.38
28438.98  725.7328496.39  724.9629222.47  728.3229290.65  729.5530339.46  729.55
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 30709.7  734.7832172.94  719.1132653.73  724.3333410.25  724.3334337.52  719.55
34506.89  719.5534866.85  723.2234976.75  723.15 35353.9  719.1135772.92  719.11
 36322.2      700   36328  698.7636478.18  641.4936640.88  614.3336665.74  615.27
36779.59  622.2237259.35  638.6737686.79  687.4237777.69  695.6738216.93  697.18
38365.25  688.1438420.75  688.3338804.48  708.7639292.03  719.2939594.91  724.78
40075.28  726.7340454.91  738.7140681.22  739.63 40772.9  738.2641231.89  729.55
41838.88      740 42188.2  733.7342513.56  732.6742641.79  730.3742711.82  727.83
42816.12  725.9343166.19   726.6 43335.5     73043422.06     73044444.65  715.67
44540.09  712.1544759.11  707.14 44989.6  707.0945071.45  705.2245277.18  705.22
45304.57  705.8845477.18  707.5445753.74   703.646403.82   685.146541.49  683.15
 46763.3  686.6646881.01  690.19 47411.3  721.3847710.67  731.23 48681.6  739.29
48850.38  741.3549334.48  748.9849466.64  753.4950322.14     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521614.42     .1522007.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21614.4222007.43             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.34    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.19    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1552087.00   74060.73   1193238.00
  E.G. Slope (ft/ft)      0.000300    Area (sq ft)            1552087.00   74060.73   1193238.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5066651.00   416332.10   2520150.00
  Top Width (ft)          46622.27    Top Width (ft)          18665.18     393.01   27564.07
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.26       5.62       2.11
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.15     188.45      43.29
  Conv. Total (cfs)       462361200.0    Conv. (cfs)            292713200.0   24052550.0   145595400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18684.54     394.53   27602.74
  Min Ch El (ft)            565.17    Shear (lb/sq ft)            1.55       3.51       0.81
  Alpha                       1.22    Stream Power (lb/ft s)      5.07      19.74       1.71
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    39755.64    1975.84   29591.44
  C & E Loss (ft)             0.00    Cum SA (acres)            478.73      10.49     720.61


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267406.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.67  762.34    1412     760 1920.79     760  2317.6   765.2
 2400.11   765.2 2538.42     770 2747.39     770 2836.98  766.74 3143.42  746.08
 3673.81  722.81 3931.99   714.3 4538.77  701.32    4642  702.28 4773.84  704.27
 5564.46  693.51 5762.37  697.32 6007.23  686.61 6045.66   685.2  6720.7   685.2
 6967.88   678.1 7222.21  659.61  7322.5   655.2 7417.94   655.2 7542.63   661.7
 7816.77  691.69 7877.97   695.2 8061.06   685.6 8117.14   685.6 8156.58   684.4
 8288.93  685.97 8369.29  689.35 8498.89  698.36 8736.71  709.69 9126.76   720.4
  9363.6   720.4 9385.95  719.75 9528.79  712.69 9641.11   710.410504.95  706.66
10841.61  692.6911150.75  668.1711179.61  662.1511335.83  655.5711581.99   656.2
11647.29  659.11 12088.1  696.4212427.86     71012937.19   715.212945.85  715.43
13129.07  713.9913357.81  703.1413423.49  702.3213545.98  708.4213731.96     720
14103.53     72014160.83  715.94 14250.2  710.3614531.49  712.7614725.04   725.7
14798.71     73015229.68     73015770.16   714.415955.94   690.615973.08  686.92
16122.12   667.716320.13  635.3216341.77  633.6416593.78  623.17 17033.6  615.54
17147.46   614.8 19516.3   614.8 19736.3     62020111.02     62020515.87   604.4
 20686.5   604.420780.04   599.621030.79   594.821569.69  590.0721577.09  589.15
 21614.9      580 21664.6  573.0821728.32  568.4521792.04  565.1621974.53  573.67
22008.06     58022089.42  623.4722149.72  630.7722351.26  662.5522412.93  666.81
22700.07  666.5522776.64  669.0423629.12  719.2323914.94  726.75 24346.8  732.91
24600.92   739.624831.87  732.5825353.44  711.5325390.55  708.7525670.03  696.31
25820.77  704.2125868.16  708.8125917.79  708.81 26168.7  714.0126544.85  717.02
26695.12  720.14 26954.5  735.12 27458.9  745.5927671.32  745.8528056.24  738.32
28440.92  725.6628498.34  724.8929224.56  728.3729292.76   729.630341.78   729.6
30712.09   734.832175.63   719.232656.52   724.433413.19   724.434340.64   719.6
34510.05   719.634870.08  723.2834980.01  723.2335357.23   719.235776.34   719.2
36325.73     70036331.53  698.7536481.74  641.4436644.48   614.436669.34  615.33
36783.21  622.2837263.06  638.7637690.59  687.3937781.51   695.638220.84  697.11
38369.19  688.0138424.71   688.238808.52  708.7239296.16  719.28 39599.1   724.8
40079.56  726.7640459.27   738.740685.63  739.6340777.32  738.2741236.41   729.6
41843.53     74042192.91  733.7642518.34  732.7542646.59  730.4642716.64  727.92
42820.96  726.01 43171.1  726.6143340.44     73043427.02     73044449.82  715.73
44545.28  712.2144764.34  707.1844994.88  707.0845076.74   705.245282.52   705.2
45309.91  705.8645482.56  707.5545759.17  703.6346409.39  685.1346547.08  683.16
46768.94  686.6346886.66  690.1547417.07  721.3447716.49  731.2348687.62  739.29
48856.43  741.3449340.63  748.9749472.82  753.4850328.49     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21614.9     .1522008.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21614.922008.06             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.34    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.19    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1552131.00   74089.13   1192946.00
  E.G. Slope (ft/ft)      0.000300    Area (sq ft)            1552131.00   74089.13   1192946.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5067460.00   416551.20   2519122.00
  Top Width (ft)          46628.86    Top Width (ft)          18665.93     393.16   27569.78
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.26       5.62       2.11
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.15     188.45      43.27
  Conv. Total (cfs)       462296700.0    Conv. (cfs)            292719100.0   24061860.0   145515700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18685.29     394.68   27608.48
  Min Ch El (ft)            565.16    Shear (lb/sq ft)            1.55       3.51       0.81
  Alpha                       1.22    Stream Power (lb/ft s)      5.07      19.75       1.71
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    39577.84    1967.35   29454.76
  C & E Loss (ft)             0.00    Cum SA (acres)            476.59      10.44     717.45


CROSS SECTION
```

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RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267401.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800  1239.7  762.36 1412.04     760 1920.83     760 2317.66  765.18
 2400.16  765.18 2538.48     770 2747.45     770 2837.04  766.73 3143.49  746.05
 3673.89  722.82 3932.08  714.32 4538.87  701.33  4642.1  702.27 4773.95  704.24
 5564.58  693.48 5762.49  697.26 6007.37  686.58  6045.8  685.18 6720.85  685.18
 6968.04  678.04 7222.38  659.57 7322.67  655.18 7418.11  655.18 7542.79  661.65
 7816.94  691.65 7878.14  695.18 8061.24  685.53 8117.32  685.53 8156.77  684.34
 8289.11  685.95 8369.48  689.34 8499.08  698.37 8736.91  709.69 9126.96  720.35
 9363.81  720.35 9386.16   719.7    9529  712.63 9641.33  710.3510505.18  706.63
10841.85   692.6   11151 668.0911179.86  662.0511336.08   655.511582.25  656.23
11647.55  659.1612088.37  696.4812428.14     71012937.48  715.1812946.14  715.41
13129.37  713.9113358.11  703.0413423.79  702.2213546.28  708.3713732.27     720
14103.85     72014161.15  715.9614250.52  710.4114531.81  712.8214725.37  725.72
14799.04     73015230.02     73015770.51  714.4715956.29  690.7815973.44   687.1
16122.48  667.85 16320.5  635.3816342.14  633.7116594.15  623.2117033.98  615.56
17147.84  614.8219516.73  614.8219736.74     62020111.47     62020516.33  604.47
20686.96  604.47 20780.5  599.6521031.26  594.8221570.17  590.0721577.57  589.15
21615.38     58021665.21  573.0721729.09  568.4421792.97  565.1621975.22  573.69
22008.71     58022090.08  623.5922150.39  630.8622351.97  662.5622413.65  666.82
22700.85  666.4822777.43  668.9623630.08  719.1223915.96  726.6824347.91  732.93
24602.08  739.6524833.08  732.5925354.76  711.4825391.87  708.7125671.41  696.33
25822.18  704.3325869.58  708.9525919.21  708.9526170.18  714.13 26546.4  717.08
 26696.7  720.1826956.13  735.1927460.64  745.61 27673.1  745.83 28058.1  738.26
28442.85  725.5928500.29  724.8329226.66  728.4129294.87  729.65 30344.1  729.65
30714.49  734.8232178.32   719.332659.31  724.4733416.13  724.4734343.77  719.65
34513.22  719.6534873.32  723.3434983.26  723.3135360.56   719.335779.75   719.3
36329.25     70036335.06  698.74 36485.3  641.3936648.07  614.4736672.93   615.4
36786.84  622.3437266.78  638.8537694.39  687.3637785.33  695.5338224.75  697.03
38373.13  687.8938428.66  688.0838812.54  708.6839300.29  719.2839603.29  724.82
40083.85  726.7940463.63   738.740690.04  739.6240781.75  738.2841240.93  729.65
41848.17     74042197.62  733.7942523.11  732.8242651.39  730.5442721.46  728.01
 42825.8  726.0943176.01  726.6343345.39     73043431.98     73044454.99   715.8
44550.47  712.2744769.57  707.2145000.15  707.0745082.03  705.1845287.86  705.18
45315.25  705.8445487.93  707.56 45764.6  703.6646414.95  685.1546552.67  683.18
46774.57   686.646892.32   690.147422.83   721.347722.32  731.2248693.64  739.29
48862.49  741.3449346.79  748.97   49479  753.4650334.85     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1521615.38     .1522008.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21615.3822008.71             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.34    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.19    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1552172.00   74119.41   1192627.00
  E.G. Slope (ft/ft)      0.000300    Area (sq ft)            1552172.00   74119.41   1192627.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5068331.00   416780.10   2518022.00
  Top Width (ft)          46635.53    Top Width (ft)          18666.58     393.33   27575.62
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.27       5.62       2.11
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.15     188.44      43.25
  Conv. Total (cfs)       462227100.0    Conv. (cfs)            292725300.0   24071450.0   145430300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18685.95     394.85   27614.35
  Min Ch El (ft)            565.16    Shear (lb/sq ft)            1.55       3.51       0.81
  Alpha                       1.22    Stream Power (lb/ft s)      5.08      19.76       1.71
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    39400.04    1958.86   29318.13
  C & E Loss (ft)             0.00    Cum SA (acres)            474.45      10.40     714.29


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267396.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1239.73  762.37 1412.07     760 1920.87     760 2317.71  765.15
 2400.21  765.15 2538.54     770 2747.51     770 2837.11  766.71 3143.56  746.02
 3673.97  722.83 3932.17  714.34 4538.97  701.34 4642.21  702.26 4774.06  704.22
 5564.71  693.45 5762.62   697.2  6007.5  686.55 6045.93  685.15    6721  685.15
 6968.19  677.98 7222.54  659.52 7322.83  655.15 7418.27  655.15 7542.96   661.6
 7817.11  691.61 7878.32  695.15 8061.42  685.46  8117.5  685.46 8156.95  684.27
  8289.3  685.93 8369.67  689.34 8499.27  698.37  8737.1  709.69 9127.17   720.3
 9364.02   720.3 9386.36  719.65 9529.21  712.57 9641.54   710.310505.42   706.6
10842.09  692.5211151.25  668.01 11180.1  661.9511336.34  655.4311582.51  656.26
11647.81   659.212088.64  696.5412428.42     71012937.77  715.1512946.43  715.38
13129.66  713.8413358.41  702.9313424.09  702.1213546.58  708.3113732.57     720
14104.16     72014161.47  715.9714250.84  710.4614532.14  712.88 14725.7  725.74
14799.37     73015230.36     73015770.86  714.5415956.65  690.96 15973.8  687.28
16122.83  667.9916320.86  635.45 16342.5  633.7816594.52  623.2417034.36  615.58
17148.22  614.8519517.17  614.8519737.18     62020111.92     62020516.79  604.54
20687.42  604.5420780.96   599.721031.73  594.8521570.65  590.0721578.05  589.16
21615.86     58021665.82  573.0621729.87  568.4321793.91  565.16 21975.9   573.7
22009.34     58022090.73  623.7122151.06  630.9522352.68  662.5822414.37  666.84
22701.62   666.422778.23  668.8723631.05  719.0223916.99  726.6224349.03  732.94
24603.25   739.724834.29  732.6125356.07  711.44 25393.2  708.6725672.79  696.34
25823.59  704.4525870.99  709.0925920.64  709.0926171.65  714.2526547.96  717.14
26698.29  720.2326957.77  735.2627462.38  745.6327674.88  745.8128059.96   738.2
28444.79  725.5228502.24  724.7629228.76  728.4529296.98   729.730346.42   729.7
30716.88  734.8532181.01  719.39 32662.1  724.5433419.07  724.54 34346.9   719.7
34516.38   719.734876.55  723.4134986.52  723.3835363.89  719.3935783.17  719.39
36332.78     70036338.59  698.7436488.86  641.3436651.66  614.5436676.53  615.47
36790.46   622.4 37270.5  638.94 37698.2  687.3237789.15  695.4638228.66  696.95
38377.07  687.7638432.61  687.9538816.57  708.6539304.41  719.2739607.48  724.85
40088.13  726.8240467.99  738.6940694.45  739.6240786.18  738.2841245.45   729.7
41852.81     74042202.34  733.8142527.89   732.9 42656.2  730.6342726.28   728.1
42830.63  726.1743180.92  726.6443350.33     73043436.95     73044460.15  715.86
44555.65  712.33 44774.8  707.2545005.43  707.0545087.32  705.1545293.19  705.15
45320.59  705.8245493.31  707.5745770.03  703.6846420.51  685.1846558.26   683.2
46780.21  686.5746897.98  690.06 47428.6  721.2547728.15  731.2148699.67  739.28
48868.54  741.3349352.94  748.9649485.18  753.45 50341.2     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521615.86     .1522009.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21615.8622009.34             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.34    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.19    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1552204.00   74147.12   1192344.00
  E.G. Slope (ft/ft)      0.000300    Area (sq ft)            1552204.00   74147.12   1192344.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5069100.00   416994.80   2517039.00
  Top Width (ft)          46642.12    Top Width (ft)          18667.31     393.48   27581.33
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.27       5.62       2.11
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.15     188.44      43.23
  Conv. Total (cfs)       462160600.0    Conv. (cfs)            292727600.0   24080390.0   145352600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18686.69     395.00   27620.10
  Min Ch El (ft)            565.16    Shear (lb/sq ft)            1.56       3.51       0.81
  Alpha                       1.22    Stream Power (lb/ft s)      5.08      19.76       1.71
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    39222.23    1950.37   29181.52
  C & E Loss (ft)             0.00    Cum SA (acres)            472.31      10.35     711.14


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267391.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.76  762.38  1412.1     760 1920.92     760 2317.76  765.13
 2400.27  765.13 2538.59    770 2747.57     770 2837.17  766.69 3143.64     746
 3674.06  722.85 3932.25  714.36 4539.07  701.34 4642.31  702.25 4774.16  704.19
 5564.83  693.42 5762.75  697.13 6007.64  686.52 6046.07  685.13 6721.15  685.13
 6968.35  677.93  7222.7  659.48 7322.99  655.13 7418.44  655.13 7543.13  661.54
 7817.29  691.57 7878.49  695.13  8061.6  685.39 8117.68  685.39 8157.13  684.21
 8289.48  685.91 8369.85  689.34 8499.46  698.38 8737.29  709.69 9127.37  720.26
 9364.23  720.26 9386.57   719.6 9529.42  712.52 9641.76  710.2610505.65  706.57
10842.33  692.43 11151.5  667.9211180.35  661.8511336.59  655.3611582.77  656.29
11648.07  659.2512088.91  696.61 12428.7     71012938.06  715.1312946.72  715.36
13129.95  713.7613358.71  702.8313424.39  702.0213546.89  708.2513732.88     720
14104.48     72014161.78  715.9914251.16  710.5114532.46  712.9414726.02  725.76
 14799.7     730 15230.7    73015771.21  714.6115957.01  691.1415974.15  687.46
 16123.2  668.1416321.23  635.5216342.87  633.8416594.89  623.2717034.74   615.6
17148.61  614.87 19517.6  614.8719737.62     62020112.37     62020517.24  604.61
20687.88  604.6120781.43  599.74 21032.2  594.8721571.14  590.0721578.53  589.16
21616.35     58021666.43  573.0421730.64  568.4221794.85  565.1621976.59  573.72
22009.98     58022091.39  623.8222151.72  631.0322353.39  662.5922415.09  666.85
 22702.4  666.3322779.02  668.7923632.02  718.9223918.01  726.5524350.14  732.96
24604.41  739.7424835.49  732.6225357.38   711.425394.52  708.6325674.17  696.36
   25825  704.5725872.41  709.2325922.07  709.2326173.13  714.3626549.51  717.19
26699.87  720.2726959.41  735.3227464.12  745.6527676.66  745.7928061.82  738.15
28446.73  725.4528504.19  724.6929230.85  728.4929299.09  729.7430348.74  729.74
30719.28  734.87 32183.7  719.4832664.88  724.6133422.01  724.6134350.03  719.74
34519.54  719.7434879.79  723.4734989.78  723.4635367.23  719.4835786.59  719.48
36336.31     70036342.12  698.7336492.42  641.2836655.25  614.6136680.13  615.53
36794.07  622.4637274.21  639.03   37702  687.2937792.97  695.3938232.57  696.87
38381.01  687.6338436.56  687.82 38820.6  708.6139308.54  719.2739611.66  724.87
40092.42  726.8640472.36  738.6940698.86  739.62 40790.6  738.2941249.97  729.74
41857.45     74042207.05  733.8442532.67  732.98   42661  730.7242731.09  728.18
42835.47  726.2543185.83  726.6643355.27     73043441.91     73044465.32  715.93
44560.84  712.3944780.03  707.2845010.71  707.0445092.62  705.1345298.53  705.13
45325.93   705.845498.69  707.5845775.46  703.7146426.07   685.246563.85  683.21
46785.84  686.5446903.64  690.0147434.36  721.2147733.97  731.2148705.69  739.28
 48874.6  741.3349359.09  748.9649491.36  753.4350347.55     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521616.35     .1522009.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21616.3522009.98             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.34    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.18    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1552239.00   74174.45   1192069.00
  E.G. Slope (ft/ft)      0.000300    Area (sq ft)            1552239.00   74174.45   1192069.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5069864.00   417204.40   2516065.00
  Top Width (ft)          46648.82    Top Width (ft)          18668.01     393.63   27587.18
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.27       5.62       2.11
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.15     188.44      43.21
  Conv. Total (cfs)       462096400.0    Conv. (cfs)            292731100.0   24089140.0   145276100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18687.40     395.15   27625.99
  Min Ch El (ft)            565.16    Shear (lb/sq ft)            1.56       3.52       0.81
  Alpha                       1.22    Stream Power (lb/ft s)      5.08      19.77       1.71
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    39044.42    1941.88   29044.95
  C & E Loss (ft)             0.00    Cum SA (acres)            470.17      10.31     707.98


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267386.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.78  762.39 1412.13     760 1920.96     760 2317.81  765.11
 2400.32  765.11 2538.65    770 2747.63     770 2837.23  766.68 3143.71  745.97
 3674.14  722.86 3932.34  714.38 4539.17  701.35 4642.41  702.24 4774.27  704.16
 5564.96  693.39 5762.88  697.07 6007.77  686.49  6046.2  685.11  6721.3  685.11
  6968.5  677.87 7222.86  659.44 7323.16  655.11  7418.6  655.11  7543.3  661.49
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 7817.46  691.53 7878.67  695.11 8061.78  685.32 8117.86  685.32 8157.31  684.14
 8289.67  685.89 8370.04  689.34 8499.65  698.39 8737.49  709.69 9127.57  720.21
 9364.44  720.21 9386.78  719.55 9529.64  712.46 9641.97  710.2110505.89  706.54
10842.57  692.3511151.74  667.84 11180.6  661.7511336.84  655.2911583.03  656.32
11648.33  659.2912089.18  696.6712428.97     71012938.35  715.1112947.01  715.34
13130.24  713.6813359.01  702.7313424.69  701.9213547.19   708.213733.18     720
14104.79     720 14162.1  716.0114251.47  710.5614532.79     71314726.35  725.78
14800.03     73015231.04     73015771.56  714.6815957.36  691.3115974.51  687.64
16123.55  668.2816321.59  635.5816343.23  633.9116595.26   623.317035.12  615.62
17148.99  614.8919518.04  614.8919738.07     62020112.81     620 20517.7  604.68
20688.35  604.6820781.89  599.7921032.67  594.8921571.62  590.0721579.01  589.16
21616.83     58021667.04  573.0321731.41  568.4121795.79  565.1621977.27  573.74
22010.62     58022092.04  623.9422152.39  631.12 22354.1   662.622415.81  666.87
22703.18  666.2522779.82   668.723632.98  718.8223919.04  726.4924351.25  732.97
24605.57  739.79 24836.7  732.63 25358.7  711.3625395.84  708.5925675.54  696.38
25826.41  704.6825873.83  709.37 25923.5  709.3726174.61  714.4826551.07  717.25
26701.46  720.3226961.05  735.3927465.86  745.6727678.44  745.7728063.68  738.09
28448.66  725.3828506.14  724.6329232.95  728.53 29301.2  729.7930351.06  729.79
30721.68  734.8932186.39  719.5832667.67  724.6833424.95  724.6834353.16  719.79
 34522.7  719.7934883.02  723.5434993.04  723.5335370.56  719.58   35790  719.58
36339.84     70036345.65  698.7336495.98  641.2336658.85  614.6836683.73   615.6
 36797.7  622.5237277.93  639.12 37705.8  687.26 37796.8  695.3238236.48   696.8
38384.95  687.5138440.51   687.738824.63  708.5739312.67  719.2739615.86  724.89
40096.71  726.8940476.72  738.6840703.26  739.6240795.03   738.341254.49  729.79
41862.09     74042211.76  733.8742537.45  733.06 42665.8  730.8142735.91  728.27
42840.31  726.3243190.73  726.6743360.22     73043446.87     73044470.49  715.99
44566.03  712.4544785.27  707.3245015.98  707.0245097.91  705.1145303.86  705.11
45331.27  705.7845504.06  707.5945780.89  703.7446431.64  685.2346569.45  683.23
46791.48  686.51 46909.3  689.9647440.13  721.17 47739.8   731.248711.71  739.28
48880.66  741.3249365.25  748.9549497.55  753.4250353.91     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521616.83     .1522010.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21616.8322010.62             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.34    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.18    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1552287.00   74202.56   1191752.00
  E.G. Slope (ft/ft)      0.000300    Area (sq ft)            1552287.00   74202.56   1191752.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5070747.00   417419.30   2514967.00
  Top Width (ft)          46655.34    Top Width (ft)          18668.66     393.79   27592.89
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.27       5.63       2.11
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.15     188.43      43.19
  Conv. Total (cfs)       462029100.0    Conv. (cfs)            292739500.0   24098050.0   145191600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18688.05     395.30   27631.73
  Min Ch El (ft)            565.16    Shear (lb/sq ft)            1.56       3.52       0.81
  Alpha                       1.22    Stream Power (lb/ft s)      5.08      19.78       1.70
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    38866.60    1933.38   28908.41
  C & E Loss (ft)             0.00    Cum SA (acres)            468.04      10.26     704.81


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267381.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.81   762.4 1412.16     760    1921     760 2317.86  765.08
 2400.38  765.08 2538.71     770 2747.69     770  2837.3  766.66 3143.78  745.94
 3674.22  722.87 3932.43   714.4 4539.27  701.36 4642.52  702.23 4774.38  704.13
 5565.08  693.35 5763.01  697.01  6007.9  686.46 6046.34  685.08 6721.45  685.08
 6968.66  677.81 7223.02  659.39 7323.32  655.08 7418.77  655.08 7543.47  661.44
 7817.64  691.49 7878.84  695.08 8061.96  685.25 8118.05  685.25 8157.49  684.08
 8289.85  685.87 8370.23  689.33 8499.84   698.4 8737.69   709.7 9127.78  720.16
 9364.65  720.16 9386.99   719.5 9529.85   712.4 9642.19  710.1610506.12  706.51
10842.82  692.2611151.99  667.7611180.85  661.65 11337.1  655.2211583.29  656.35
11648.59  659.3412089.45  696.7312429.25     71012938.64  715.08 12947.3  715.31
13130.54   713.6 13359.3  702.6213424.99  701.8213547.49  708.1413733.49     720
 14105.1     72014162.41  716.0314251.79  710.6214533.11  713.0714726.68   725.8
14800.36     73015231.38     73015771.92  714.7515957.72  691.4915974.87  687.82
16123.92  668.4316321.96  635.65 16343.6  633.9816595.63  623.33 17035.5  615.64
17149.37  614.9219518.47  614.9219738.51     62020113.26     62020518.16  604.75
20688.81  604.7520782.36  599.8421033.14  594.92 21572.1  590.0721579.49  589.17
21617.31     58021667.65  573.0121732.19   568.421796.72  565.1621977.96  573.76
22011.26     580 22092.7  624.0622153.06  631.21 22354.8  662.6122416.54  666.88
22703.96  666.1822780.61  668.6223633.95  718.7223920.06  726.4224352.36  732.99
24606.73  739.8424837.91  732.6425360.01  711.3225397.16  708.5525676.92  696.39
25827.81   704.825875.25  709.5125924.93  709.5126176.09   714.626552.62  717.31
26703.04  720.3626962.68  735.46 27467.6  745.6927680.23  745.7428065.54  738.03
 28450.6  725.3128508.09  724.5629235.04  728.57 29303.3  729.8430353.38  729.84
30724.07  734.9232189.08  719.6732670.46  724.7533427.89  724.7534356.29  719.84
34525.87  719.8434886.25   723.634996.29  723.6135373.89  719.6735793.42  719.67
36343.37     70036349.18  698.7236499.54  641.1836662.44  614.7536687.32  615.66
36801.32  622.5837281.65  639.2137709.61  687.2237800.62  695.2538240.39  696.72
38388.89  687.3838444.46  687.5738828.66  708.53 39316.8  719.2639620.04  724.92
40100.99  726.9240481.08  738.6740707.67  739.6240799.46  738.3141259.01  729.84
41866.73     74042216.48   733.942542.23  733.1342670.61   730.942740.73  728.36
42845.15   726.443195.64  726.6943365.16     73043451.83     73044475.66  716.06
44571.21  712.51 44790.5  707.3545021.27  707.0145103.21  705.08 45309.2  705.08
45336.61  705.7645509.44  707.6145786.33  703.77 46437.2  685.2546575.04  683.24
46797.11  686.4846914.96  689.92 47445.9  721.1347745.62   731.248717.73  739.27
48886.71  741.31 49371.4  748.9549503.73   753.450360.26     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521617.31     .1522011.26     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21617.3122011.26             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.33    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
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  W.S. Elev (ft)            759.18    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1552320.00   74231.63   1191452.00
  E.G. Slope (ft/ft)      0.000300    Area (sq ft)            1552320.00   74231.63   1191452.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5071555.00   417643.40   2513935.00
  Top Width (ft)          46662.09    Top Width (ft)          18669.40     393.95   27598.74
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.27       5.63       2.11
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.15     188.43      43.17
  Conv. Total (cfs)       461959400.0    Conv. (cfs)            292741900.0   24107350.0   145110200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18688.79     395.46   27637.62
  Min Ch El (ft)            565.16    Shear (lb/sq ft)            1.56       3.52       0.81
  Alpha                       1.22    Stream Power (lb/ft s)      5.08      19.79       1.70
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    38688.77    1924.88   28771.90
  C & E Loss (ft)             0.00    Cum SA (acres)            465.90      10.22     701.65


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267376.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.84  762.41 1412.19     760 1921.05     760 2317.91  765.06
 2400.43  765.06 2538.76    770 2747.75     770 2837.36  766.65 3143.85  745.91
  3674.3  722.89 3932.52  714.42 4539.38  701.36 4642.62  702.22 4774.48   704.1
 5565.21  693.32 5763.14  696.95 6008.04  686.43 6046.47  685.06  6721.6  685.06
 6968.81  677.75 7223.18  659.35 7323.48  655.06 7418.93  655.06 7543.64  661.38
 7817.81  691.45 7879.02  695.06 8062.14  685.18 8118.23  685.18 8157.68  684.01
 8290.04  685.85 8370.42  689.33 8500.03   698.4 8737.88   709.7 9127.98  720.12
 9364.86  720.12  9387.2  719.45 9530.06  712.34  9642.4  710.1210506.36  706.48
10843.06  692.1811152.24  667.68 11181.1  661.5511337.35  655.1511583.54  656.38
11648.85  659.3812089.72  696.7912429.53     71012938.93  715.0612947.59  715.29
13130.83  713.52 13359.6  702.5213425.29  701.7213547.79  708.08 13733.8     720
14105.42     72014162.73  716.0514252.11  710.6714533.44  713.1314727.01  725.82
14800.69     73015231.72     73015772.27  714.8215958.08  691.6715975.22     688
16124.27  668.5716322.32  635.7116343.96  634.04   16596  623.3617035.88  615.66
17149.76  614.9419518.91  614.9419738.95     62020113.71     62020518.62  604.82
20689.27  604.8220782.82  599.8821033.61  594.9421572.58  590.0721579.98  589.17
21617.79     58021668.26     57321732.96  568.3921797.66  565.1521978.64  573.78
 22011.9     58022093.36  624.1822153.73  631.2922355.51  662.6322417.26  666.89
22704.74   666.1 22781.4  668.5323634.92  718.6223921.08  726.3624353.47     733
 24607.9  739.8824839.12  732.6625361.33  711.2825398.48  708.51 25678.3  696.41
25829.22  704.9225876.67  709.6525926.35  709.6526177.57  714.7226554.18  717.37
26704.62   720.426964.32  735.5227469.34  745.7127682.01  745.72 28067.4  737.98
28452.54  725.2428510.04  724.4929237.14  728.6129305.41  729.88 30355.7  729.88
30726.47  734.9432191.77  719.7732673.25  724.8233430.83  724.8234359.41  719.88
34529.03  719.8834889.49  723.6734999.55  723.6835377.23  719.7735796.84  719.77
36346.89     70036352.71  698.71 36503.1  641.1336666.03  614.8236690.92  615.73
36804.94  622.6437285.37  639.3137713.41  687.1937804.44  695.18 38244.3  696.64
38392.84  687.2638448.42  687.4438832.69  708.4939320.93  719.2639624.23  724.94
40105.28  726.9640485.44  738.6740712.08  739.6240803.88  738.3241263.53  729.88
41871.38     74042221.19  733.93   42547  733.2142675.41  730.9842745.55  728.45
42849.99  726.4843200.55   726.743370.11     73043456.79     73044480.82  716.12
 44576.4  712.5744795.73  707.3945026.54  706.99 45108.5  705.0645314.53  705.06
45341.95  705.7445514.82  707.6245791.76   703.846442.76  685.2846580.62  683.26
46802.75  686.4546920.62  689.8747451.66  721.0847751.45  731.1948723.76  739.27
48892.77  741.3149377.56  748.9449509.91  753.3850366.61     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521617.79     .15 22011.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21617.79 22011.9             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.33    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.18    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1552363.00   74261.68   1191160.00
  E.G. Slope (ft/ft)      0.000300    Area (sq ft)            1552363.00   74261.68   1191160.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5072369.00   417869.50   2512895.00
  Top Width (ft)          46668.75    Top Width (ft)          18670.04     394.11   27604.60
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.27       5.63       2.11
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.15     188.43      43.15
  Conv. Total (cfs)       461896300.0    Conv. (cfs)            292748900.0   24117100.0   145030300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18689.45     395.62   27643.50
  Min Ch El (ft)            565.15    Shear (lb/sq ft)            1.56       3.52       0.81
  Alpha                       1.22    Stream Power (lb/ft s)      5.09      19.80       1.70
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    38510.95    1916.37   28635.44
  C & E Loss (ft)             0.00    Cum SA (acres)            463.76      10.17     698.49


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267371.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.87  762.42 1412.22     760 1921.09     760 2317.97  765.04
 2400.48  765.04 2538.82    770 2747.82     770 2837.42  766.63 3143.92  745.89
 3674.38   722.9 3932.61  714.44 4539.48  701.37 4642.72  702.21 4774.59  704.08
 5565.33  693.29 5763.27  696.89 6008.17   686.4 6046.61  685.04 6721.75  685.04
 6968.97  677.69 7223.34  659.31 7323.65  655.04  7419.1  655.04 7543.81  661.33
 7817.99  691.41  7879.2  695.04 8062.32  685.11 8118.41  685.11 8157.86  683.95
 8290.22  685.83  8370.6  689.33 8500.22  698.41 8738.08   709.7 9128.19  720.07
 9365.07  720.07 9387.41   719.4 9530.27  712.29 9642.62  710.0710506.59  706.45
 10843.3  692.0911152.49   667.611181.35  661.45 11337.6  655.08 11583.8  656.41
11649.11  659.4212089.99  696.8512429.81     71012939.22  715.0412947.88  715.26
13131.12  713.45 13359.9  702.4113425.58  701.62 13548.1  708.03 13734.1     720
14105.73     72014163.05  716.0714252.43  710.7214533.76  713.1914727.34  725.84
14801.02     73015232.06     73015772.62  714.8915958.43  691.8515975.58  688.18
16124.63  668.7216322.68  635.7816344.33  634.1116596.37  623.3917036.26  615.68
17150.14  614.9619519.35  614.9619739.39     62020114.16     62020519.08  604.89
20689.73  604.8920783.28  599.9321034.08  594.9621573.06  590.0721580.46  589.18
21618.28     58021668.87  572.9921733.73  568.3721798.59  565.1521979.33  573.79
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22012.54     58022094.01   624.322154.39  631.3822356.22  662.6422417.98  666.91
22705.52  666.03 22782.2  668.4423635.88  718.5223922.11   726.324354.58  733.01
24609.06  739.9324840.33  732.6725362.64  711.24 25399.8  708.4725679.68  696.43
25830.63  705.0425878.09  709.7925927.78  709.7926179.05  714.8326555.73  717.43
26706.21  720.4526965.96  735.5927471.08  745.7327683.79   745.728069.26  737.92
28454.48  725.1728511.98  724.4229239.23  728.6529307.52  729.9330358.02  729.93
30728.86  734.9632194.46  719.8632676.04  724.8933433.77  724.8934362.54  719.93
34532.19  719.9334892.72  723.73 35002.8  723.7635380.56  719.8635800.26  719.86
36350.42     70036356.24  698.7136506.66  641.0836669.62  614.8936694.52   615.8
36808.56   622.737289.09   639.437717.21  687.1637808.26  695.1138248.21  696.57
38396.78  687.1338452.37  687.3138836.72  708.4539325.05  719.2639628.42  724.96
40109.56  726.99 40489.8  738.6640716.49  739.6140808.31  738.3241268.05  729.93
41876.02     740 42225.9  733.9642551.78  733.2942680.22  731.0742750.37  728.53
42854.83  726.5643205.46  726.7243375.05     73043461.75     73044485.99  716.18
44581.59  712.6344800.96  707.4245031.82  706.98 45113.8  705.0445319.87  705.04
45347.29  705.7145520.19  707.6345797.19  703.8346448.32   685.346586.21  683.27
46808.39  686.4246926.28  689.8347457.43  721.0447757.28  731.1948729.78  739.26
48898.83   741.349383.71  748.9449516.09  753.3750372.97     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521618.28     .1522012.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21618.2822012.54             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.33    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.18    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1552402.00   74289.84   1190869.00
  E.G. Slope (ft/ft)      0.000300    Area (sq ft)            1552402.00   74289.84   1190869.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5073167.00   418088.50   2511878.00
  Top Width (ft)          46675.30    Top Width (ft)          18670.74     394.26   27610.29
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.27       5.63       2.11
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.15     188.43      43.13
  Conv. Total (cfs)       461831100.0    Conv. (cfs)            292753600.0   24126340.0   144951200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18690.15     395.77   27649.24
  Min Ch El (ft)            565.15    Shear (lb/sq ft)            1.56       3.52       0.81
  Alpha                       1.22    Stream Power (lb/ft s)      5.09      19.80       1.70
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    38333.11    1907.86   28499.00
  C & E Loss (ft)             0.00    Cum SA (acres)            461.62      10.13     695.33


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267366.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.89  762.44 1412.26     760 1921.13     760 2318.02  765.01
 2400.54  765.01 2538.88     770 2747.88     770 2837.49  766.61 3143.99  745.86
 3674.47  722.91 3932.69  714.47 4539.58  701.37 4642.83   702.2  4774.7  704.05
 5565.45  693.26 5763.39  696.82 6008.31  686.37 6046.74  685.01  6721.9  685.01
 6969.13  677.64  7223.5  659.26 7323.81  655.01 7419.27  655.01 7543.97  661.28
 7818.16  691.37 7879.37  695.01  8062.5  685.04 8118.59  685.04 8158.04  683.88
 8290.41  685.81 8370.79  689.32 8500.41  698.42 8738.27   709.7 9128.39  720.02
 9365.28  720.02 9387.62  719.35 9530.49  712.23 9642.83  710.0210506.82  706.42
10843.54  692.0111152.74  667.51 11181.6  661.3511337.86  655.0111584.06  656.44
11649.37  659.4712090.26  696.9112430.08     710 12939.5  715.0112948.17  715.24
13131.42  713.37 13360.2  702.3113425.88  701.52 13548.4  707.9713734.41     720
14106.05     72014163.36  716.0814252.75  710.7714534.08  713.2514727.67  725.85
14801.35     730 15232.4     73015772.97  714.9615958.79  692.0215975.94  688.36
16124.99  668.8616323.05  635.8516344.69  634.1816596.74  623.4217036.64   615.7
17150.52  614.9919519.78  614.9919739.83     62020114.61     62020519.53  604.96
20690.19  604.9620783.75  599.9821034.55  594.9921573.54  590.0721580.94  589.18
21618.76     58021669.48  572.97 21734.5  568.3621799.53  565.1521980.01  573.81
22013.18     58022094.67  624.4222155.06  631.4722356.93  662.65 22418.7  666.92
 22706.3  665.9622782.99  668.3623636.85  718.4223923.13  726.2324355.69  733.03
24610.22  739.9824841.54  732.6825363.96   711.225401.13  708.4325681.06  696.44
25832.04  705.16 25879.5  709.9325929.21  709.9326180.53  714.9526557.29  717.49
26707.79  720.49 26967.6  735.6627472.82  745.7527685.57  745.6828071.12  737.86
28456.41   725.128513.93  724.3629241.33  728.6929309.63  729.9830360.34  729.98
30731.26  734.9932197.16  719.9532678.82  724.9633436.71  724.9634365.67  719.98
34535.35  719.9834895.96   723.835006.06  723.8335383.89  719.9535803.68  719.95
36353.95     70036359.77   698.736510.21  641.0336673.21  614.9636698.12  615.86
36812.18  622.76 37292.8  639.4937721.02  687.1337812.08  695.0438252.12  696.49
38400.71     68738456.32  687.1938840.75  708.4139329.18  719.2539632.61  724.99
40113.85  727.0240494.17  738.6540720.89  739.6140812.73  738.3341272.57  729.98
41880.66     74042230.61  733.9842556.56  733.3742685.02  731.1642755.18  728.62
42859.67  726.6443210.38  726.7343379.99     73043466.71     73044491.16  716.25
44586.77  712.6944806.19  707.46 45037.1  706.9745119.09  705.01 45325.2  705.01
45352.63  705.6945525.57  707.6445802.62  703.8646453.89  685.33 46591.8  683.29
46814.02  686.3946931.94  689.78 47463.2     72147763.11  731.18 48735.8  739.26
48904.88   741.349389.87  748.9349522.27  753.3550379.32     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521618.76     .1522013.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21618.7622013.18             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.33    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.18    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1552438.00   74318.92   1190559.00
  E.G. Slope (ft/ft)      0.000300    Area (sq ft)            1552438.00   74318.92   1190559.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5074004.00   418313.80   2510816.00
  Top Width (ft)          46682.05    Top Width (ft)          18671.48     394.42   27616.15
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.27       5.63       2.11
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.14     188.43      43.11
  Conv. Total (cfs)       461760700.0    Conv. (cfs)            292757200.0   24135660.0   144867800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18690.89     395.93   27655.13
  Min Ch El (ft)            565.15    Shear (lb/sq ft)            1.56       3.52       0.81
  Alpha                       1.22    Stream Power (lb/ft s)      5.09      19.81       1.70
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    38155.28    1899.35   28362.60
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  C & E Loss (ft)             0.00    Cum SA (acres)            459.48      10.08     692.17


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267361.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.92  762.45 1412.29     760 1921.17     760 2318.07  764.99
 2400.59  764.99 2538.93     770 2747.94     770 2837.55   766.6 3144.06  745.83
 3674.55  722.93 3932.78  714.49 4539.68  701.38 4642.93  702.19  4774.8  704.02
 5565.58  693.23 5763.52  696.76 6008.44  686.34 6046.88  684.99 6722.05  684.99
 6969.28  677.58 7223.67  659.22 7323.98  654.99 7419.43  654.99 7544.14  661.23
 7818.34  691.33 7879.55  694.99 8062.68  684.96 8118.77  684.96 8158.22  683.82
 8290.59  685.79 8370.98  689.32  8500.6  698.43 8738.46   709.7 9128.59  719.98
 9365.48  719.98 9387.83   719.3  9530.7  712.17 9643.05  709.9810507.06  706.39
10843.78  691.9311152.99  667.4311181.85  661.2511338.11  654.9411584.32  656.47
11649.63  659.5112090.53  696.9712430.36     71012939.79  714.9912948.45  715.21
13131.71  713.29 13360.5   702.213426.18  701.42 13548.7  707.9113734.72     720
14106.36     72014163.68   716.114253.06  710.8214534.41  713.32   14728  725.87
14801.68     73015232.74     73015773.32  715.0415959.14   692.215976.29  688.54
16125.35  669.0116323.41  635.9116345.05  634.2416597.11  623.4517037.02  615.72
 17150.9  615.0119520.22  615.0119740.27     62020115.06     62020519.99  605.04
20690.65  605.0420784.21  600.0221035.02  595.0121574.03  590.0721581.42  589.18
21619.24     58021670.09  572.9621735.28  568.3521800.47  565.15 21980.7  573.83
22013.82     58022095.32  624.5422155.73  631.5522357.64  662.6622419.42  666.94
22707.08  665.8822783.79  668.2723637.81  718.3123924.16  726.17 24356.8  733.04
24611.38  740.0224842.75  732.6925365.27  711.1525402.45  708.3925682.44  696.46
25833.45  705.2825880.92  710.0725930.64  710.0726182.01  715.0726558.84  717.55
26709.38  720.5426969.23  735.7327474.55  745.7727687.35  745.6628072.97  737.81
28458.35  725.0328515.88  724.2929243.42  728.7329311.74  730.0230362.66  730.02
30733.65  735.0132199.85  720.0532681.61  725.0433439.66  725.04 34368.8  720.02
34538.51  720.0234899.19  723.8635009.32  723.9135387.23  720.0535807.09  720.05
36357.48     700 36363.3  698.6936513.77  640.9836676.81  615.0436701.71  615.93
 36815.8  622.8237296.52  639.5837724.82  687.0937815.91  694.9638256.03  696.41
38404.66  686.8838460.27  687.0638844.78  708.3739333.31  719.25 39636.8  725.01
40118.13  727.0640498.53  738.65 40725.3  739.6140817.16  738.3441277.09  730.02
 41885.3     74042235.32  734.0142561.34  733.4542689.82  731.25   42760  728.71
42864.51  726.7143215.29  726.7543384.93     73043471.68     73044496.33  716.31
44591.96  712.7544811.42  707.4945042.38  706.9545124.38  704.9945330.54  704.99
45357.98  705.6745530.94  707.6545808.05  703.8946459.45  685.35 46597.4   683.3
46819.66  686.36 46937.6  689.7447468.96  720.9647768.93  731.1848741.82  739.26
48910.94  741.2949396.02  748.9349528.45  753.3450385.68     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521619.24     .1522013.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21619.2422013.82              4.99    4.99    4.99              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.33    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.18    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1552468.00   74347.49   1190259.00
  E.G. Slope (ft/ft)      0.000300    Area (sq ft)            1552468.00   74347.49   1190259.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5074808.00   418533.80   2509792.00
  Top Width (ft)          46688.55    Top Width (ft)          18672.13     394.58   27621.84
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.27       5.63       2.11
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.14     188.42      43.09
  Conv. Total (cfs)       461691300.0    Conv. (cfs)            292759600.0   24144720.0   144786900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18691.55     396.09   27660.86
  Min Ch El (ft)            565.15    Shear (lb/sq ft)            1.56       3.52       0.81
  Alpha                       1.22    Stream Power (lb/ft s)      5.09      19.82       1.70
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    37977.44    1890.84   28226.23
  C & E Loss (ft)             0.00    Cum SA (acres)            457.34      10.04     689.00


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267356.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.95  762.46 1412.32     760 1921.22     760 2318.12  764.96
 2400.64  764.96 2538.99     770    2748     770 2837.61  766.58 3144.13   745.8
 3674.63  722.94 3932.87  714.51 4539.78  701.39 4643.04  702.18 4774.91  703.99
  5565.7   693.2 5763.65   696.7 6008.58  686.31 6047.01  684.96  6722.2  684.96
 6969.44  677.52 7223.83  659.18 7324.14  654.96  7419.6  654.96 7544.31  661.17
 7818.51  691.29 7879.72  694.96 8062.86  684.89 8118.95  684.89 8158.41  683.75
 8290.78  685.77 8371.16  689.32 8500.79  698.43 8738.66   709.7  9128.8  719.93
 9365.69  719.93 9388.04  719.25 9530.91  712.12 9643.26  709.9310507.29  706.36
10844.03  691.8411153.24  667.35 11182.1  661.1511338.36  654.8711584.58   656.5
11649.89  659.56 12090.8  697.0312430.64     71012940.08  714.9612948.74  715.19
   13132  713.2113360.79   702.113426.48  701.32   13549  707.8613735.02     720
14106.68     72014163.99  716.1214253.38  710.8714534.73  713.3814728.32  725.89
14802.01     73015233.08     73015773.68  715.11 15959.5  692.3815976.65  688.72
16125.71  669.1516323.78  635.9816345.42  634.3116597.48  623.48 17037.4  615.74
17151.29  615.0419520.65  615.0419740.71     62020115.51     62020520.45  605.11
20691.12  605.1120784.67  600.0721035.49  595.0421574.51  590.07 21581.9  589.19
21619.72     580 21670.7  572.9521736.05  568.34 21801.4  565.1521981.38  573.85
22014.46     58022095.98  624.66 22156.4  631.6422358.35  662.6822420.14  666.95
22707.86  665.8122784.58  668.1923638.78  718.2123925.18   726.124357.92  733.06
24612.55  740.0724843.96  732.7125366.58  711.1125403.77  708.3525683.81  696.48
25834.86  705.3925882.34  710.2125932.07  710.2126183.48  715.1826560.39   717.6
26710.97  720.5826970.87  735.7927476.29  745.7927689.14  745.6428074.83  737.75
28460.29  724.9628517.83  724.2229245.52  728.7729313.85  730.0730364.98  730.07
30736.05  735.0432202.54  720.14 32684.4  725.1133442.59  725.1134371.92  720.07
34541.68  720.0734902.43  723.9335012.57  723.9935390.56  720.1435810.51  720.14
36361.01     70036366.83  698.6936517.34  640.92 36680.4  615.1136705.31  615.99
36819.42  622.8837300.24  639.6737728.62  687.0637819.73  694.8938259.94  696.33
 38408.6  686.7538464.22  686.93 38848.8  708.3339337.43  719.2539640.99  725.04
40122.42  727.0940502.89  738.6440729.71  739.6140821.59  738.3541281.61  730.07
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41889.94     74042240.04  734.0442566.11  733.5242694.63  731.3442764.82   728.8
42869.34  726.7943220.19  726.7643389.88     73043476.64     73044501.49  716.38
44597.15  712.8144816.65  707.5345047.65  706.9445129.68  704.9645335.88  704.96
45363.32  705.6545536.32  707.6645813.48  703.9146465.02  685.3846602.99  683.32
46825.29  686.3346943.26  689.6947474.73  720.9247774.76  731.1748747.85  739.25
   48917  741.2849402.18  748.9249534.63  753.3250392.03     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521619.72     .1522014.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21619.7222014.46             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.33    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.17    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1552501.00   74376.02   1189965.00
  E.G. Slope (ft/ft)      0.000301    Area (sq ft)            1552501.00   74376.02   1189965.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5075606.00   418752.70   2508774.00
  Top Width (ft)          46695.30    Top Width (ft)          18672.87     394.74   27627.70
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.27       5.63       2.11
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.14     188.42      43.07
  Conv. Total (cfs)       461622700.0    Conv. (cfs)            292762200.0   24153760.0   144706700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18692.30     396.24   27666.75
  Min Ch El (ft)            565.15    Shear (lb/sq ft)            1.56       3.52       0.81
  Alpha                       1.22    Stream Power (lb/ft s)      5.10      19.83       1.70
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    37799.59    1882.32   28089.90
  C & E Loss (ft)             0.00    Cum SA (acres)            455.20       9.99     685.84


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267351.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1239.98  762.47 1412.35     760 1921.26     760 2318.17  764.94
  2400.7  764.94 2539.05    770 2748.06     770 2837.68  766.57  3144.2  745.78
 3674.71  722.96 3932.96  714.53 4539.88  701.39 4643.14  702.17 4775.01  703.96
 5565.83  693.16 5763.78  696.64 6008.71  686.28 6047.15  684.94 6722.35  684.94
 6969.59  677.46 7223.99  659.13  7324.3  654.94 7419.76  654.94 7544.48  661.12
 7818.69  691.25  7879.9  694.94 8063.04  684.82 8119.13  684.82 8158.59  683.69
 8290.96  685.75 8371.35  689.31 8500.98  698.44 8738.86   709.7    9129  719.88
  9365.9  719.88 9388.25   719.2 9531.12  712.06 9643.48  709.8810507.53  706.33
10844.27  691.7611153.49  667.2711182.35  661.0611338.61   654.811584.84  656.53
11650.15   659.612091.07  697.0912430.92     71012940.37  714.9412949.03  715.16
 13132.3  713.1313361.09     70213426.78  701.2213549.31   707.813735.33     720
14106.99     72014164.31  716.14 14253.7  710.9214535.06  713.4414728.65  725.91
14802.34     73015233.42     73015774.03  715.1815959.86  692.5615977.01   688.9
16126.07   669.316324.14  636.0516345.78  634.3816597.85  623.5117037.78  615.76
17151.67  615.0619521.09  615.0619741.15     62020115.96     62020520.91  605.18
20691.58  605.1820785.14  600.1221035.96  595.0621574.99  590.0721582.38  589.19
21620.21     58021671.31  572.9321736.82  568.3321802.34  565.1521982.07  573.86
 22015.1     58022096.63  624.7822157.07  631.7322359.05  662.6922420.86  666.97
22708.64  665.7322785.38   668.123639.75  718.1123926.21  726.0424359.03  733.07
24613.71  740.1224845.17  732.72 25367.9  711.0725405.09  708.3125685.19  696.49
25836.27  705.5125883.76  710.3525933.49  710.3526184.96   715.326561.95  717.66
26712.55  720.6326972.51  735.8627478.03  745.8127690.92  745.62 28076.7  737.69
28462.22  724.8828519.78  724.1629247.61  728.8129315.96  730.12 30367.3  730.12
30738.44  735.0632205.23  720.2332687.19  725.1833445.54  725.1834375.05  720.12
34544.84  720.1234905.66  723.9935015.83  724.0635393.89  720.2335813.93  720.23
36364.54     70036370.36  698.6836520.89  640.8736683.99  615.1836708.91  616.06
36823.04  622.9437303.95  639.7637732.43  687.0337823.55  694.8238263.86  696.26
38412.54  686.6238468.18  686.8138852.84  708.2939341.56  719.2439645.18  725.06
40126.71  727.1240507.25  738.6340734.12  739.6140826.02  738.3541286.12  730.12
41894.58     74042244.75  734.0742570.89   733.642699.43  731.4242769.64  728.88
42874.18  726.87 43225.1  726.7843394.82     730 43481.6     73044506.66  716.44
44602.34  712.8644821.88  707.5645052.93  706.9245134.97  704.9445341.21  704.94
45368.66  705.63 45541.7  707.6745818.92  703.9446470.58   685.446608.58  683.33
46830.93   686.346948.91  689.6447480.49  720.8747780.59  731.1648753.87  739.25
48923.05  741.2849408.33  748.9249540.81  753.3150398.38     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521620.21     .15 22015.1     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21620.21 22015.1             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.33    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.17    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1552550.00   74404.16   1189684.00
  E.G. Slope (ft/ft)      0.000301    Area (sq ft)            1552550.00   74404.16   1189684.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5076411.00   418965.50   2507757.00
  Top Width (ft)          46701.74    Top Width (ft)          18673.47     394.89   27633.39
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.27       5.63       2.11
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.14     188.42      43.05
  Conv. Total (cfs)       461564100.0    Conv. (cfs)            292771500.0   24162970.0   144629700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18692.91     396.39   27672.49
  Min Ch El (ft)            565.15    Shear (lb/sq ft)            1.56       3.52       0.81
  Alpha                       1.22    Stream Power (lb/ft s)      5.10      19.84       1.70
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    37621.75    1873.80   27953.60
  C & E Loss (ft)             0.00    Cum SA (acres)            453.06       9.95     682.67


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267346.*

INPUT
Description:
Station Elevation Data    num=     174
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800    1240  762.48 1412.38     760  1921.3     760 2318.23  764.92
  2400.75  764.92  2539.1     770 2748.12     770 2837.74  766.55 3144.27  745.75
  3674.79  722.97 3933.04  714.55 4539.98   701.4 4643.24  702.16 4775.12  703.94
  5565.95  693.13 5763.91  696.58 6008.84  686.25 6047.28  684.92  6722.5  684.92
  6969.75   677.4 7224.15  659.09 7324.47  654.92 7419.93  654.92 7544.65  661.07
  7818.86  691.21 7880.08  694.92 8063.22  684.75 8119.31  684.75 8158.77  683.62
  8291.15  685.73 8371.54  689.31 8501.17  698.45 8739.05  709.71  9129.2  719.84
  9366.11  719.84 9388.46  719.15 9531.34     712  9643.7  709.8410507.76   706.3
 10844.51  691.6711153.74  667.19 11182.6  660.9611338.87  654.73 11585.1  656.56
 11650.41  659.6512091.34  697.1612431.19     71012940.66  714.9212949.32  715.14
 13132.59  713.0613361.39  701.8913427.08  701.1213549.61  707.7413735.64     720
 14107.31     72014164.63  716.1614254.02  710.9714535.38   713.514728.98  725.93
 14802.68     73015233.76     73015774.38  715.2515960.21  692.7315977.36  689.08
 16126.43  669.4516324.51  636.1116346.15  634.4416598.22  623.5417038.16  615.78
 17152.05  615.0819521.53  615.0819741.59     620 20116.4     62020521.37  605.25
 20692.04  605.25 20785.6  600.1621036.43  595.0821575.47  590.0721582.87   589.2
 21620.69     58021671.92  572.92 21737.6  568.3221803.28  565.1421982.76  573.88
 22015.74     58022097.29   624.922157.73  631.8122359.76   662.722421.58  666.98
 22709.42  665.6622786.17  668.0223640.71  718.0123927.23  725.9724360.14  733.08
 24614.87  740.1624846.38  732.7325369.21  711.0325406.41  708.2725686.57  696.51
 25837.68  705.6325885.18  710.4925934.92  710.4926186.44  715.42 26563.5  717.72
 26714.14  720.6726974.14  735.9327479.77  745.83 27692.7   745.628078.55  737.64
 28464.16  724.8128521.73  724.0929249.71  728.8629318.07  730.1630369.62  730.16
 30740.84  735.0832207.92  720.3332689.98  725.2533448.48  725.2534378.18  720.16
    34548  720.1634908.89  724.0635019.09  724.1435397.22  720.3335817.34  720.33
 36368.07     70036373.89  698.6836524.45  640.8236687.59  615.2536712.51  616.13
 36826.66     62337307.67  639.8537736.23  686.9937827.37  694.7538267.77  696.18
 38416.48   686.538472.12  686.6838856.86  708.2539345.69  719.2439649.36  725.08
 40130.99  727.1540511.62  738.6340738.53   739.640830.44  738.3641290.64  730.16
 41899.23     74042249.46   734.142575.67  733.6842704.23  731.5142774.45  728.97
 42879.02  726.9543230.01  726.7943399.77     73043486.56     73044511.83  716.51
 44607.52  712.9244827.11   707.645058.21  706.9145140.27  704.9245346.55  704.92
    45374  705.6145547.07  707.6845824.35  703.9746476.14  685.4346614.17  683.35
 46836.56  686.2746954.57   689.647486.26  720.8347786.41  731.1648759.89  739.25
 48929.11  741.2749414.48  748.9149546.99  753.2950404.73     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521620.69     .1522015.74     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21620.6922015.74              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.32    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.17    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)        1552579.00   74434.32   1189375.00
  E.G. Slope (ft/ft)      0.000301    Area (sq ft)             1552579.00   74434.32   1189375.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5077223.00   419200.90   2506709.00
  Top Width (ft)          46708.50    Top Width (ft)           18674.21     395.05   27639.24
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)             3.27       5.63       2.11
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)            83.14     188.42      43.03
  Conv. Total (cfs)       461492100.0    Conv. (cfs)            292772600.0   24172770.0   144546700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         18693.66     396.55   27678.38
  Min Ch El (ft)            565.14    Shear (lb/sq ft)             1.56       3.52       0.81
  Alpha                       1.22    Stream Power (lb/ft s)       5.10      19.85       1.70
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     37443.89    1865.27   27817.33
  C & E Loss (ft)             0.00    Cum SA (acres)             450.92       9.90     679.51


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267341.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1240.03  762.49 1412.41     760 1921.35     760 2318.28  764.89
  2400.8  764.89 2539.16     770 2748.18     770  2837.8  766.54 3144.34  745.72
 3674.88  722.98 3933.13  714.57 4540.08  701.41 4643.35  702.15 4775.23  703.91
 5566.07   693.1 5764.04  696.52 6008.98  686.22 6047.42  684.89 6722.65  684.89
  6969.9  677.35 7224.31  659.05 7324.63  654.89 7420.09  654.89 7544.81  661.02
 7819.03  691.17 7880.25  694.89  8063.4  684.68  8119.5  684.68 8158.95  683.56
 8291.33  685.71 8371.72  689.31 8501.35  698.46 8739.25  709.71 9129.41  719.79
 9366.32  719.79 9388.67   719.1 9531.55  711.94 9643.91  709.79   10508  706.27
10844.75  691.5911153.98  667.1111182.85  660.8611339.12  654.6611585.35  656.59
11650.67  659.6912091.61  697.2212431.47     71012940.95  714.8912949.61  715.12
13132.88  712.9813361.69  701.7913427.38  701.0213549.91  707.6913735.94     720
14107.62     72014164.94  716.1814254.34  711.0214535.71  713.5614729.31  725.95
14803.01     730 15234.1     73015774.73  715.3215960.57  692.9115977.72  689.26
16126.79  669.5916324.87  636.1816346.51  634.5116598.59  623.5717038.54   615.8
17152.43  615.1119521.96  615.1119742.03     62020116.85     62020521.82  605.32
 20692.5  605.3220786.07  600.2121036.89  595.1121575.95  590.0721583.35   589.2
21621.17     58021672.53   572.921738.37  568.3121804.21  565.1421983.44   573.9
22016.38     58022097.95  625.02 22158.4   631.922360.47  662.71 22422.3     667
 22710.2  665.5822786.96  667.9323641.68  717.9123928.25  725.9124361.25   733.1
24616.04  740.2124847.59  732.7425370.53  710.9925407.74  708.2325687.95  696.53
25839.08  705.7525886.59  710.6325936.35  710.6326187.92  715.5326565.06  717.78
26715.72  720.7226975.78  735.9927481.51  745.8527694.48  745.5828080.41  737.58
 28466.1  724.7428523.68  724.02 29251.8   728.929320.18  730.2130371.95  730.21
30743.24  735.1132210.61  720.4232692.76  725.3233451.42  725.32 34381.3  720.21
34551.16  720.2134912.13  724.1235022.34  724.2135400.56  720.4235820.76  720.42
36371.59     70036377.41  698.6736528.02  640.7736691.18  615.3236716.11  616.19
36830.28  623.0637311.39  639.9537740.04  686.96 37831.2  694.6838271.68   696.1
38420.42  686.3738476.08  686.5538860.89  708.2139349.82  719.2439653.55  725.11
40135.28  727.1940515.98  738.6240742.93   739.640834.87  738.3741295.16  730.21
41903.87     74042254.17  734.1242580.45  733.7642709.04   731.642779.27  729.06
42883.86  727.0343234.92  726.8143404.71     73043491.52     730   44517  716.57
44612.71  712.9844832.34  707.6345063.48  706.8945145.56  704.8945351.88  704.89
45379.34  705.5945552.45  707.6945829.78     704 46481.7  685.4546619.76  683.37
 46842.2  686.2446960.23  689.5547492.03  720.7947792.24  731.1548765.91  739.24
48935.17  741.2749420.64  748.9149553.18  753.2750411.09     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521621.17     .1522016.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      21621.1722016.38             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.32    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.17    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1552604.00   74463.45   1189076.00
  E.G. Slope (ft/ft)      0.000301    Area (sq ft)            1552604.00   74463.45   1189076.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5078021.00   419427.10   2505686.00
  Top Width (ft)          46715.17    Top Width (ft)          18674.85     395.21   27645.11
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.27       5.63       2.11
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.14     188.41      43.01
  Conv. Total (cfs)       461421300.0    Conv. (cfs)            292773700.0   24182110.0   144465500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18694.32     396.71   27684.28
  Min Ch El (ft)            565.14    Shear (lb/sq ft)            1.56       3.53       0.81
  Alpha                       1.22    Stream Power (lb/ft s)      5.10      19.86       1.70
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    37266.04    1856.74   27681.10
  C & E Loss (ft)             0.00    Cum SA (acres)            448.79       9.85     676.34


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267336.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1240.06   762.5 1412.44     760 1921.39     760 2318.33  764.87
 2400.86  764.87 2539.22     770 2748.25     770 2837.87  766.52 3144.41  745.69
 3674.96     723 3933.22  714.59 4540.19  701.41 4643.45  702.14 4775.33  703.88
  5566.2  693.07 5764.17  696.45 6009.11  686.19 6047.55  684.87  6722.8  684.87
 6970.06  677.29 7224.47     659 7324.79  654.87 7420.26  654.87 7544.98  660.96
 7819.21  691.13 7880.43  694.87 8063.58  684.61 8119.68  684.61 8159.13   683.5
 8291.52  685.69 8371.91   689.3 8501.54  698.46 8739.44  709.71 9129.61  719.74
 9366.53  719.74 9388.88  719.05 9531.76  711.89 9644.12  709.7410508.23  706.24
10844.99   691.511154.23  667.02 11183.1  660.7611339.37  654.5911585.61  656.62
11650.93  659.7412091.88  697.2812431.75     71012941.24  714.87 12949.9  715.09
13133.17   712.913361.99  701.6813427.68  700.9213550.21  707.6313736.25     720
14107.94     72014165.26  716.1914254.65  711.0714536.03  713.6314729.64  725.97
14803.34     73015234.44     73015775.08  715.3915960.92  693.0915978.08  689.44
16127.15  669.7416325.23  636.2416346.88  634.5816598.96  623.6117038.92  615.82
17152.82  615.13 19522.4  615.1319742.47     620 20117.3     62020522.28  605.39
20692.96  605.3920786.53  600.2621037.37  595.1321576.43  590.0721583.83   589.2
21621.65     58021673.14  572.8921739.14   568.321805.15  565.1421984.13  573.92
22017.02     580 22098.6  625.1422159.07  631.9922361.18  662.7322423.02  667.01
22710.97  665.5122787.76  667.8423642.65  717.8123929.28  725.8424362.36  733.11
 24617.2  740.2624848.79  732.7625371.84  710.9525409.06   708.225689.33  696.54
25840.49  705.8725888.01  710.7725937.78  710.77 26189.4  715.6526566.61  717.84
26717.31  720.7626977.42  736.0627483.25  745.8727696.26  745.5628082.27  737.52
28468.04  724.6728525.63  723.95 29253.9  728.9429322.29  730.2630374.27  730.26
30745.63  735.13 32213.3  720.5232695.55  725.3933454.36  725.3934384.43  720.26
34554.32  720.2634915.36  724.19 35025.6  724.2935403.89  720.5235824.18  720.52
36375.12     70036380.95  698.6636531.57  640.7236694.77  615.39 36719.7  616.26
 36833.9  623.1237315.11  640.0437743.84  686.9337835.02  694.6138275.59  696.03
38424.36  686.2538480.03  686.4238864.92  708.1739353.95  719.2339657.74  725.13
40139.56  727.2240520.34  738.6240747.34   739.640839.29  738.3841299.68  730.26
41908.51     74042258.88  734.1542585.23  733.8342713.84  731.6942784.09  729.15
 42888.7  727.1143239.83  726.8243409.65     73043496.48     73044522.16  716.63
44617.89  713.0444837.57  707.6745068.76  706.8845150.85  704.8745357.21  704.87
45384.68  705.5745557.82  707.7145835.21  704.0346487.27  685.4846625.35  683.38
46847.83  686.2146965.89  689.5147497.79  720.7547798.07  731.1548771.94  739.24
48941.22  741.2649426.79   748.949559.36  753.2650417.44     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521621.65     .1522017.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21621.6522017.02             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.32    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.17    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1552656.00   74491.73   1188749.00
  E.G. Slope (ft/ft)      0.000301    Area (sq ft)            1552656.00   74491.73   1188749.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5078925.00   419645.20   2504563.00
  Top Width (ft)          46721.75    Top Width (ft)          18675.58     395.37   27650.80
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.27       5.63       2.11
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.14     188.41      42.99
  Conv. Total (cfs)       461352800.0    Conv. (cfs)            292782300.0   24191080.0   144379300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18695.06     396.87   27690.02
  Min Ch El (ft)            565.14    Shear (lb/sq ft)            1.56       3.53       0.81
  Alpha                       1.22    Stream Power (lb/ft s)      5.10      19.86       1.70
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    37088.18    1848.21   27544.91
  C & E Loss (ft)             0.00    Cum SA (acres)            446.65       9.81     673.17


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267331.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1240.09  762.52 1412.48     760 1921.43     760 2318.38  764.85
 2400.91  764.85 2539.27     770 2748.31     770 2837.93   766.5 3144.48  745.67
 3675.04  723.01 3933.31  714.61 4540.29  701.42 4643.55  702.13 4775.44  703.85
 5566.32  693.04 5764.29  696.39 6009.25  686.16 6047.69  684.85 6722.95  684.85
 6970.21  677.23 7224.63  658.96 7324.96  654.85 7420.42  654.85 7545.15  660.91
 7819.38  691.09  7880.6  694.85 8063.76  684.54 8119.86  684.54 8159.32  683.43
  8291.7  685.67  8372.1   689.3 8501.73  698.47 8739.63  709.71 9129.82   719.7
 9366.74   719.7 9389.09     719 9531.98  711.83 9644.34   709.710508.47  706.21
10845.24  691.4211154.48  666.9411183.35  660.6611339.63  654.5211585.87  656.65
11651.19  659.7812092.15  697.3412432.02     71012941.53  714.8512950.19  715.07
13133.47  712.8213362.29  701.5813427.98  700.8213550.51  707.5713736.56     720
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14108.25     72014165.58  716.2114254.97  711.1214536.35  713.6914729.97  725.99
14803.67     73015234.78     73015775.44  715.4615961.28  693.2715978.43  689.62
16127.51  669.88 16325.6  636.3116347.24  634.6416599.33  623.64 17039.3  615.84
 17153.2  615.1519522.83  615.1519742.91     62020117.75     62020522.74  605.46
20693.43  605.4620786.99   600.321037.83  595.1521576.91  590.0721584.31  589.21
21622.13     58021673.75  572.8821739.92  568.2921806.09  565.1421984.81  573.94
22017.66     58022099.26  625.2622159.74  632.0722361.89  662.7422423.74  667.02
22711.75  665.4322788.55  667.7623643.61  717.71 23930.3  725.7824363.47  733.13
24618.36   740.3   24850  732.7725373.16  710.9125410.38  708.1625690.71  696.56
 25841.9  705.9825889.43  710.9125939.21  710.9126190.88  715.7726568.17   717.9
26718.89   720.826979.06  736.1327484.99  745.8927698.05  745.5428084.13  737.46
28469.97   724.628527.58  723.89   29256  728.98 29324.4   730.330376.59   730.3
30748.03  735.1532215.99  720.6132698.34  725.46 33457.3  725.4634387.56   720.3
34557.48   720.3 34918.6  724.2535028.86  724.3635407.22  720.61 35827.6  720.61
36378.65     70036384.47  698.6636535.13  640.6736698.36  615.46 36723.3  616.33
36837.52  623.1837318.82  640.1337747.64  686.8937838.84  694.54 38279.5  695.95
 38428.3  686.1238483.98   686.338868.95  708.1339358.07  719.2339661.93  725.15
40143.85  727.25 40524.7  738.6140751.75   739.640843.72  738.39 41304.2   730.3
41913.15     740 42263.6  734.18   42590  733.9142718.64  731.7842788.91  729.23
42893.54  727.1843244.74  726.84 43414.6     73043501.44     73044527.33   716.7
44623.08   713.1 44842.8   707.745074.04  706.8745156.15  704.8545362.55  704.85
45390.02  705.55 45563.2  707.7245840.64  704.0646492.83   685.546630.94   683.4
46853.47  686.1846971.55  689.4647503.56   720.747803.89  731.1448777.96  739.24
48947.28  741.2549432.95   748.949565.54  753.24 50423.8     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1521622.13     .1522017.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21622.1322017.66             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.32    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.17    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1552692.00   74520.30   1188482.00
  E.G. Slope (ft/ft)      0.000301    Area (sq ft)            1552692.00   74520.30   1188482.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5079671.00   419858.20   2503604.00
  Top Width (ft)          46728.46    Top Width (ft)          18676.27     395.53   27656.66
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.27       5.63       2.11
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.14     188.41      42.97
  Conv. Total (cfs)       461291400.0    Conv. (cfs)             292786400.0   24200150.0   144304900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18695.76     397.02   27695.92
  Min Ch El (ft)            565.14    Shear (lb/sq ft)            1.56       3.53       0.81
  Alpha                       1.22    Stream Power (lb/ft s)      5.11      19.87       1.70
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    36910.31    1839.67   27408.74
  C & E Loss (ft)             0.00    Cum SA (acres)            444.51       9.76     670.00


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267326.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1240.11  762.53 1412.51     760 1921.47     760 2318.43  764.82
 2400.96  764.82 2539.33     770 2748.37     770 2837.99  766.49 3144.55  745.64
 3675.12  723.02  3933.4  714.63 4540.39  701.43 4643.66  702.12 4775.55  703.82
 5566.45  693.01 5764.42  696.33 6009.38  686.13 6047.82  684.82  6723.1  684.82
 6970.37  677.17 7224.79  658.92 7325.12  654.82 7420.59  654.82 7545.32  660.86
 7819.56  691.05 7880.78  694.82 8063.94  684.47 8120.04  684.47  8159.5  683.37
 8291.89  685.65 8372.28   689.3 8501.92  698.48 8739.83  709.71 9130.02  719.65
 9366.95  719.65  9389.3  718.95 9532.19  711.77 9644.56  709.65 10508.7  706.18
10845.48  691.3311154.73  666.86 11183.6  660.5611339.88  654.4511586.13  656.68
11651.45  659.8212092.42   697.4 12432.3     71012941.81  714.8212950.48  715.04
13133.76  712.7413362.58  701.4713428.28  700.7113550.82  707.5213736.86     720
14108.57     72014165.89  716.2314255.29  711.1714536.68  713.75 14730.3  726.01
   14804     73015235.12     73015775.79  715.5315961.64  693.4415978.79   689.8
16127.87  670.0316325.96  636.3816347.61  634.7116599.71  623.6717039.68  615.86
17153.58  615.1819523.27  615.1819743.35     620 20118.2     620 20523.2  605.53
20693.89  605.5320787.46  600.35 21038.3  595.1821577.39  590.0721584.79  589.21
21622.62     58021674.36  572.8621740.69  568.2821807.03  565.14 21985.5  573.95
22018.29     58022099.91  625.3822160.41  632.16 22362.6  662.7522424.47  667.04
22712.53  665.3622789.35  667.6723644.58   717.623931.33  725.7124364.58  733.14
24619.52  740.3524851.21  732.7825374.47  710.86 25411.7  708.1225692.08  696.58
25843.31   706.125890.85  711.0525940.64  711.0526192.36  715.8926569.72  717.95
26720.48  720.85 26980.7   736.227486.73  745.9127699.83  745.5228085.99  737.41
28471.91  724.5328529.53  723.8229258.09  729.02 29326.5  730.3530378.91  730.35
30750.42  735.1832218.68   720.732701.13  725.5333460.24  725.5334390.69  720.35
34560.65  720.3534921.84  724.3235032.11  724.4435410.55   720.735831.02   720.7
36382.18     700   36388  698.6536538.69  640.6136701.96  615.53 36726.9  616.39
36841.14  623.2437322.54  640.2237751.45  686.8637842.66  694.4738283.41  695.87
38432.24  685.9938487.93  686.1738872.98   708.1 39362.2  719.2339666.12  725.18
40148.13  727.2940529.07   738.640756.16   739.640848.14  738.3941308.72  730.35
41917.79     74042268.31  734.2142594.78  733.9942723.45  731.8642793.73  729.32
42898.38  727.2643249.65  726.8543419.54     730 43506.4     730 44532.5  716.76
44628.27  713.1644848.04  707.7445079.32  706.8545161.44  704.8245367.89  704.82
45395.36  705.5345568.57  707.7345846.07  704.0946498.39  685.5346636.53  683.41
46859.11  686.1546977.21  689.4247509.32  720.6647809.72  731.1448783.98  739.23
48953.34  741.25 49439.1  748.8949571.71  753.2350430.15     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1521622.62     .1522018.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21622.6222018.29             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.32    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.16    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1552728.00   74547.05   1188176.00
  E.G. Slope (ft/ft)      0.000301    Area (sq ft)            1552728.00   74547.05   1188176.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5080503.00   420072.80   2502557.00
  Top Width (ft)          46734.95    Top Width (ft)          18676.93     395.67   27662.35
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.27       5.64       2.11
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  Max Chl Dpth (ft)          194.02    Hydr. Depth (ft)           83.14     188.41      42.95
  Conv. Total (cfs)        461222800.0    Conv. (cfs)            292790800.0    24208910.0   144223100.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18696.42     397.16   27701.66
  Min Ch El (ft)             565.14    Shear (lb/sq ft)            1.56       3.53       0.81
  Alpha                        1.22    Stream Power (lb/ft s)      5.11      19.88       1.70
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    36732.44    1831.14   27272.62
  C & E Loss (ft)              0.00    Cum SA (acres)            442.37       9.72     666.84


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267321.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1240.14  762.54 1412.54     760 1921.52     760 2318.48   764.8
 2401.02   764.8 2539.39     770 2748.43     770 2838.06  766.47 3144.62  745.61
  3675.2  723.04 3933.48  714.65 4540.49  701.43 4643.76  702.11 4775.65   703.8
 5566.57  692.97 5764.55  696.27 6009.51   686.1 6047.96   684.8 6723.25   684.8
 6970.53  677.11 7224.95  658.87 7325.28   654.8 7420.76   654.8 7545.49   660.8
 7819.73  691.01 7880.95   694.8 8064.12   684.4 8120.22   684.4 8159.68   683.3
 8292.07  685.63 8372.47  689.29 8502.11  698.48 8740.03  709.71 9130.22   719.6
 9367.16   719.6 9389.51   718.9  9532.4  711.72 9644.77   709.610508.93  706.15
10845.72  691.2511154.98  666.7811183.85  660.4611340.13  654.3811586.39  656.71
11651.71  659.8712092.69  697.4612432.58     710 12942.1   714.812950.77  715.02
13134.05  712.6713362.88  701.3713428.58  700.6113551.12  707.4613737.17     720
14108.88     72014166.21  716.2514255.61  711.22   14537  713.8114730.62  726.03
14804.33     73015235.46     73015776.14   715.615961.99  693.6215979.15  689.98
16128.23  670.1716326.33  636.4416347.97  634.7716600.07   623.717040.06  615.88
17153.96   615.2 19523.7   615.219743.79     62020118.65     62020523.65   605.6
20694.35   605.620787.92   600.421038.77   595.221577.88  590.0721585.27  589.21
 21623.1     58021674.97  572.8521741.46  568.2621807.96  565.1421986.18  573.97
22018.93     58022100.57   625.522161.07  632.2522363.31  662.7622425.19  667.05
22713.31  665.2822790.14  667.5923645.55   717.523932.35  725.6524365.69  733.16
24620.69   740.424852.42   732.825375.79  710.8225413.02  708.0825693.46  696.59
25844.72  706.2225892.27  711.1925942.06  711.1926193.84     71626571.28  718.01
26722.06  720.8926982.33  736.2627488.47  745.9327701.61   745.528087.85  737.35
28473.85  724.4628531.47  723.7529260.19  729.0629328.61   730.430381.23   730.4
30752.82   735.232221.37   720.832703.92   725.633463.18   725.634393.82   720.4
34563.81   720.434925.07  724.3835035.37  724.5135413.89   720.835834.43   720.8
36385.71     70036391.53  698.6536542.25  640.5636705.55   615.6 36730.5  616.46
36844.77   623.337326.26  640.3137755.25  686.8337846.48   694.438287.32   695.8
38436.18  685.8738491.89  686.0438877.01  708.0639366.33  719.2239670.31   725.2
40152.42  727.3240533.43   738.640760.57   739.640852.57   738.441313.24   730.4
41922.43     74042273.02  734.2442599.56  734.0742728.25  731.9542798.54  729.41
42903.21  727.3443254.56  726.8743424.48     73043511.36     73044537.67  716.83
44633.45  713.2244853.27  707.7745084.59  706.8445166.73   704.845373.22   704.8
 45400.7  705.5145573.95  707.7445851.51  704.1146503.95  685.5546642.12  683.43
46864.74  686.1246982.87  689.3747515.09  720.6247815.55  731.13   48790  739.23
48959.39  741.2449445.25  748.89 49577.9  753.21 50436.5     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21623.1     .1522018.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21623.122018.93             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.32    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.16    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                       Flow Area (sq ft)       1552778.00   74576.29   1187862.00
  E.G. Slope (ft/ft)       0.000301    Area (sq ft)            1552778.00   74576.29   1187862.00
  Q Total (cfs)            8003133.00    Flow (cfs)             5081376.00   420297.00   2501460.00
  Top Width (ft)           46741.70    Top Width (ft)          18677.66     395.83   27668.21
  Vel Total (ft/s)             2.84    Avg. Vel. (ft/s)            3.27       5.64       2.11
  Max Chl Dpth (ft)          194.02    Hydr. Depth (ft)           83.14     188.40      42.93
  Conv. Total (cfs)        461156000.0    Conv. (cfs)            292798700.0   24218330.0   144139000.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18697.17     397.32   27707.56
  Min Ch El (ft)             565.14    Shear (lb/sq ft)            1.56       3.53       0.81
  Alpha                        1.22    Stream Power (lb/ft s)      5.11      19.89       1.70
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    36554.57    1822.60   27136.52
  C & E Loss (ft)              0.00    Cum SA (acres)            440.23       9.67     663.67


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267316.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1240.17  762.55 1412.57     760 1921.56     760 2318.54  764.78
 2401.07  764.78 2539.44     770 2748.49     770 2838.12  766.46 3144.69  745.59
 3675.29  723.05 3933.57  714.67 4540.59  701.44 4643.86   702.1 4775.76  703.77
  5566.7  692.94 5764.68  696.21 6009.65  686.07 6048.09  684.78  6723.4  684.78
 6970.68  677.06 7225.12  658.83 7325.45  654.78 7420.92  654.78 7545.66  660.75
 7819.91  690.97 7881.13  694.78  8064.3  684.33  8120.4  684.33 8159.86  683.24
 8292.26  685.61 8372.66  689.29  8502.3  698.49 8740.22  709.71 9130.43  719.56
 9367.37  719.56 9389.72  718.85 9532.61  711.66 9644.99  709.5610509.17  706.12
10845.96  691.1711155.23   666.7 11184.1  660.3611340.39  654.3111586.65  656.74
11651.97  659.9112092.96  697.5212432.86     71012942.39  714.7812951.05  714.99
13134.35  712.5913363.18  701.2713428.88  700.5113551.42  707.4113737.48     720
 14109.2     72014166.52  716.2714255.93  711.2714537.33  713.8814730.95  726.05
14804.66     730 15235.8     73015776.49  715.6715962.35   693.8 15979.5  690.16
16128.59  670.3216326.69  636.5116348.34  634.8416600.45  623.7317040.44   615.9
17154.35  615.2219524.14  615.2219744.23     620 20119.1     62020524.11  605.67
20694.81  605.6720788.38  600.4421039.24  595.2221578.36  590.0721585.76  589.22
21623.58     58021675.58  572.8321742.24  568.25 21808.9  565.1321986.87  573.99
22019.57     58022101.22  625.6222161.74  632.3322364.02  662.7822425.91  667.07
22714.09  665.2122790.94   667.523646.51   717.423933.38  725.58 24366.8  733.17
24621.85  740.4424853.63  732.81 25377.1  710.7825414.35  708.0425694.84  696.61
25846.13  706.3425893.69  711.3325943.49  711.3326195.31  716.1226572.83  718.07
26723.65  720.9426983.97  736.3327490.21  745.9527703.39  745.4828089.71  737.29
28475.79  724.3928533.42  723.6929262.28   729.129330.72  730.4430383.55  730.44
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30755.21  735.2232224.06  720.89 32706.7  725.6733466.12  725.6734396.95  720.44
34566.97  720.44 34928.3  724.4535038.63  724.5935417.22  720.8935837.85  720.89
36389.23     70036395.06  698.6436545.81  640.5136709.14  615.6736734.09  616.52
36848.38  623.3637329.98   640.437759.05  686.79 37850.3  694.3338291.23  695.72
38440.12  685.7438495.84  685.9238881.04  708.0239370.46  719.22 39674.5  725.22
 40156.7  727.3540537.79  738.5940764.97  739.59   40857  738.4141317.76  730.44
41927.07     74042277.73  734.2642604.34  734.1542733.06  732.0442803.36  729.49
42908.05  727.4243259.47  726.8943429.43     73043516.32     73044542.83  716.89
44638.64  713.28 44858.5  707.8145089.87  706.8245172.03  704.7845378.56  704.78
45406.04  705.4945579.32  707.7545856.94  704.1446509.52  685.5846647.71  683.44
46870.38  686.0946988.53  689.3247520.86  720.5847821.37  731.1348796.03  739.23
48965.45  741.2449451.41  748.8849584.08   753.250442.86     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521623.58     .1522019.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21623.5822019.57             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.31    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.16    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1552804.00   74606.77   1187586.00
  E.G. Slope (ft/ft)      0.000301    Area (sq ft)            1552804.00   74606.77   1187586.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5082111.00   420529.10   2500494.00
  Top Width (ft)          46748.14    Top Width (ft)          18678.25     395.99   27673.90
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.27       5.64       2.11
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.13     188.41      42.91
  Conv. Total (cfs)       461092200.0    Conv. (cfs)            292800500.0   24228350.0   144063300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18697.77     397.48   27713.30
  Min Ch El (ft)            565.13    Shear (lb/sq ft)            1.56       3.53       0.81
  Alpha                       1.22    Stream Power (lb/ft s)      5.11      19.90       1.70
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    36376.69    1814.05   27000.46
  C & E Loss (ft)             0.00    Cum SA (acres)            438.09       9.63     660.50


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267311.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1240.2  762.56  1412.6     760  1921.6     760 2318.59  764.75
 2401.13  764.75  2539.5     770 2748.55     770 2838.18  766.44 3144.76  745.56
 3675.37  723.07 3933.66   714.7 4540.69  701.45 4643.97  702.09 4775.87  703.74
 5566.82  692.91 5764.81  696.14 6009.78  686.04 6048.23  684.75 6723.55  684.75
 6970.84     677 7225.28  658.79 7325.61  654.75 7421.09  654.75 7545.83   660.7
 7820.08  690.92 7881.31  694.75 8064.48  684.26 8120.58  684.26 8160.04  683.17
 8292.44  685.59 8372.84  689.29 8502.49   698.5 8740.42  709.72 9130.63  719.51
 9367.58  719.51 9389.93   718.8 9532.83   711.6  9645.2  709.51 10509.4  706.09
 10846.2  691.0811155.48  666.6111184.35  660.2611340.64  654.2411586.91  656.77
11652.23  659.9612093.23  697.5812433.13     71012942.68  714.7512951.34  714.97
13134.64  712.5113363.48  701.1613429.18  700.4113551.72  707.3513737.78     720
14109.51     72014166.84  716.2914256.25  711.3214537.65  713.9414731.28  726.07
14804.99     73015236.14     73015776.84  715.7415962.71  693.9815979.86  690.34
16128.95  670.4616327.06  636.57 16348.7  634.9116600.82  623.7617040.82  615.92
17154.73  615.2519524.57  615.2519744.67     62020119.55     62020524.57  605.74
20695.27  605.7420788.85  600.4921039.71  595.2521578.84  590.0721586.24  589.22
21624.06     58021676.19  572.8221743.01  568.2421809.84  565.1321987.55  574.01
22020.21     58022101.88  625.7422162.41  632.4222364.72  662.7922426.63  667.08
22714.87  665.1422791.73  667.4123647.48   717.3 23934.4  725.5224367.92  733.18
24623.01  740.4924854.84  732.8225378.41  710.7425415.67     70825696.22  696.63
25847.54  706.46 25895.1  711.4825944.92  711.4826196.79  716.2426574.39  718.13
26725.23  720.9826985.61   736.427491.95  745.9727705.17  745.4628091.57  737.24
28477.72  724.3228535.37  723.6229264.38  729.1429332.83  730.4930385.87  730.49
30757.61  735.2532226.76  720.9832709.49  725.7433469.06  725.7434400.07  720.49
34570.13  720.4934931.54  724.5135041.88  724.6635420.55  720.9835841.27  720.98
36392.76     70036398.59  698.6336549.37  640.4636712.73  615.7436737.69  616.59
   36852  623.42 37333.7  640.4937762.86  686.7637854.12  694.2638295.14  695.64
38444.06  685.6238499.79  685.7938885.07  707.9839374.58  719.2239678.68  725.25
40160.99  727.3940542.15  738.5840769.38  739.5940861.43  738.4241322.28  730.49
41931.71     74042282.45  734.2942609.11  734.2242737.86  732.1342808.18  729.58
42912.89   727.543264.38   726.943434.37     73043521.29     730   44548  716.96
44643.83  713.3444863.73  707.8445095.15  706.8145177.32  704.7545383.89  704.75
45411.39  705.47 45584.7  707.7645862.37  704.1746515.08   685.6 46653.3  683.46
46876.01  686.0646994.19  689.2847526.62  720.54 47827.2  731.1248802.05  739.22
48971.51  741.2349457.56  748.8849590.26  753.1850449.21     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521624.06     .1522020.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21624.0622020.21             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.31    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.16    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1552832.00   74635.41   1187275.00
  E.G. Slope (ft/ft)      0.000301    Area (sq ft)            1552832.00   74635.41   1187275.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5082936.00   420753.80   2499444.00
  Top Width (ft)          46754.90    Top Width (ft)          18678.99     396.15   27679.76
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.27       5.64       2.11
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.13     188.40      42.89
  Conv. Total (cfs)       461018900.0    Conv. (cfs)            292801500.0   24237440.0   143980000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18698.52     397.64   27719.20
  Min Ch El (ft)            565.13    Shear (lb/sq ft)            1.56       3.53       0.81
  Alpha                       1.22    Stream Power (lb/ft s)      5.11      19.91       1.70
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    36198.80    1805.50   26864.44
  C & E Loss (ft)             0.00    Cum SA (acres)            435.95       9.58     657.33


CROSS SECTION
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RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267306.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1240.23  762.57 1412.63     760 1921.65     760 2318.64  764.73
  2401.18  764.73 2539.56     770 2748.61     770 2838.25  766.42 3144.83  745.53
  3675.45  723.08 3933.75  714.72 4540.79  701.45 4644.07  702.08 4775.97  703.71
  5566.94  692.88 5764.94  696.08 6009.92  686.01 6048.36  684.73  6723.7  684.73
  6970.99  676.94 7225.44  658.74 7325.77  654.73 7421.25  654.73 7545.99  660.65
  7820.25  690.88 7881.48  694.73 8064.66  684.19 8120.76  684.19 8160.23  683.11
  8292.63  685.57 8373.03  689.28 8502.68  698.51 8740.61  709.72 9130.83  719.46
  9367.78  719.46 9390.13  718.75 9533.04  711.54 9645.42  709.4610509.64  706.06
 10846.45     69111155.73  666.53 11184.6  660.1611340.89  654.1711587.16   656.8
 11652.49     660 12093.5  697.6512433.41     71012942.97  714.7312951.63  714.94
 13134.93  712.4313363.78  701.0613429.48  700.3113552.03  707.2913738.09     720
 14109.83     72014167.16   716.314256.56  711.3714537.98     71414731.61  726.09
 14805.32     73015236.48     730 15777.2  715.8115963.06  694.1515980.21  690.52
 16129.31  670.6116327.42  636.6416349.07  634.9716601.19  623.79 17041.2  615.94
 17155.11  615.2719525.01  615.2719745.11     620   20120     62020525.03  605.81
 20695.73  605.8120789.31  600.5421040.18  595.2721579.32  590.0721586.72  589.23
 21624.55     580 21676.8  572.8121743.79  568.2321810.77  565.1321988.24  574.03
 22020.85     58022102.54  625.8622163.08  632.5122365.43   662.822427.35   667.1
 22715.65  665.0622792.53  667.3323648.45   717.223935.42  725.4624369.03   733.2
 24624.17  740.5424856.05  732.8325379.73   710.725416.99  707.96 25697.6  696.64
 25848.94  706.5725896.52  711.6225946.35  711.6226198.27  716.3526575.94  718.19
 26726.82  721.0326987.24  736.4627493.69  745.9927706.96  745.4428093.43  737.18
 28479.66  724.2528537.32  723.5529266.47  729.1829334.94  730.5430388.19  730.54
    30760  735.2732229.45  721.0832712.28  725.81   33472  725.81 34403.2  720.54
 34573.29  720.5434934.77  724.5835045.14  724.7435423.89  721.0835844.68  721.08
 36396.29     70036402.12  698.6336552.93  640.4136716.33  615.8136741.29  616.66
 36855.62  623.4837337.41  640.5937766.66  686.7337857.95  694.1938299.05  695.56
    38448  685.4938503.74  685.66 38889.1  707.9439378.71  719.2139682.88  725.27
 40165.28  727.4240546.52  738.5840773.79  739.5940865.85  738.42 41326.8  730.54
 41936.36     74042287.16  734.3242613.89   734.342742.66  732.22   42813  729.67
 42917.73  727.5743269.29  726.9243439.32     73043526.25     73044553.17  717.02
 44649.02   713.444868.96  707.8845100.43  706.7945182.62  704.7345389.23  704.73
 45416.73  705.4545590.08  707.77 45867.8   704.246520.64  685.6346658.89  683.47
 46881.64  686.0346999.85  689.2347532.39  720.4947833.03  731.1148808.07  739.22
 48977.56  741.2249463.72  748.8749596.44  753.1750455.57     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1521624.55     .1522020.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21624.5522020.85             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.31    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.16    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1552884.00   74661.91   1186964.00
  E.G. Slope (ft/ft)      0.000301    Area (sq ft)            1552884.00   74661.91   1186964.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5083808.00   420959.90   2498366.00
  Top Width (ft)          46761.48    Top Width (ft)          18679.73     396.30   27685.46
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.27       5.64       2.10
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.13     188.40      42.87
  Conv. Total (cfs)       460953000.0    Conv. (cfs)            292809900.0   24245840.0   143897300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18699.27     397.78   27724.94
  Min Ch El (ft)            565.13    Shear (lb/sq ft)            1.56       3.53       0.81
  Alpha                       1.22    Stream Power (lb/ft s)      5.12      19.92       1.70
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    36020.92    1796.95   26728.45
  C & E Loss (ft)             0.00    Cum SA (acres)            433.81       9.54     654.16


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267301.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1240.25  762.58 1412.67     760 1921.69     760 2318.69  764.71
  2401.23  764.71 2539.61     770 2748.67     770 2838.31  766.41  3144.9   745.5
  3675.53  723.09 3933.83  714.74 4540.89  701.46 4644.17  702.07 4776.08  703.68
  5567.07  692.85 5765.07  696.02 6010.05  685.98  6048.5  684.71 6723.85  684.71
  6971.15  676.88  7225.6   658.7 7325.94  654.71 7421.42  654.71 7546.16  660.59
  7820.43  690.84 7881.66  694.71 8064.84  684.12 8120.94  684.12 8160.41  683.04
  8292.81  685.55 8373.22  689.28 8502.87  698.51  8740.8  709.72 9131.04  719.41
  9367.99  719.41 9390.34   718.7 9533.25  711.49 9645.63  709.4110509.87  706.03
 10846.69  690.9111155.98  666.4511184.85  660.0611341.14   654.111587.42  656.83
 11652.75  660.0512093.77  697.7112433.69     71012943.26  714.7112951.92  714.92
 13135.23  712.3513364.07  700.9513429.78  700.2113552.33  707.2413738.39     720
 14110.14     72014167.47  716.3214256.88  711.42 14538.3  714.0614731.94  726.11
 14805.65     73015236.82     73015777.55  715.8815963.42  694.3315980.57   690.7
 16129.67  670.7616327.78  636.7116349.43  635.0416601.56  623.8217041.58  615.96
  17155.5  615.2919525.45  615.2919745.55     62020120.45     62020525.49  605.88
  20696.2  605.8820789.78  600.5921040.65  595.29 21579.8  590.07 21587.2  589.23
 21625.03     58021677.41  572.7921744.56  568.2221811.71  565.1321988.93  574.04
 22021.49     58022103.19  625.9822163.75  632.5922366.14  662.8122428.07  667.11
 22716.43  664.9922793.32  667.2423649.41   717.123936.45  725.3924370.14  733.21
 24625.33  740.5924857.26  732.8525381.04  710.6625418.31  707.9225698.97  696.66
 25850.35  706.6925897.94  711.7625947.78  711.7626199.75  716.47 26577.5  718.25
  26728.4  721.0726988.88  736.5327495.43  746.0127708.74  745.4228095.29  737.12
  28481.6  724.1828539.27  723.4929268.57  729.2229337.05  730.5930390.51  730.59
  30762.4  735.2932232.14  721.1732715.07  725.8833474.94  725.8834406.33  720.59
 34576.46  720.5934938.01  724.64 35048.4  724.8235427.22  721.17 35848.1  721.17
 36399.82     70036405.65  698.6236556.49  640.3636719.92  615.8836744.88  616.72
 36859.25  623.5437341.13  640.6837770.46  686.6937861.77  694.1238302.96  695.49
 38451.95  685.3638507.69  685.5438893.13   707.939382.84  719.2139687.06  725.29
 40169.56  727.4540550.88  738.57 40778.2  739.5940870.28  738.4341331.32  730.59
    41941     74042291.87  734.3542618.67  734.3842747.47   732.342817.81  729.76
 42922.57  727.65 43274.2  726.9343444.26     73043531.21     73044558.34  717.08
  44654.2  713.4644874.19  707.91 45105.7  706.7845187.91  704.7145394.57  704.71
 45422.07  705.4345595.45  707.7845873.23  704.2346526.21  685.6546664.48  683.49
 46887.28     68647005.51  689.1947538.16  720.4547838.85  731.1148814.09  739.22
 48983.62  741.2249469.87  748.8649602.62  753.1550461.92     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521625.03     .1522021.49     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21625.0322021.49             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.31    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.16    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1552931.00   74692.65   1186659.00
  E.G. Slope (ft/ft)      0.000302    Area (sq ft)            1552931.00   74692.65   1186659.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5084652.00   421193.10   2497288.00
  Top Width (ft)          46768.13    Top Width (ft)          18680.37     396.46   27691.30
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.27       5.64       2.10
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.13     188.40      42.85
  Conv. Total (cfs)       460889000.0    Conv. (cfs)            292817800.0   24255910.0   143815300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18699.93     397.95   27730.83
  Min Ch El (ft)            565.13    Shear (lb/sq ft)            1.56       3.53       0.81
  Alpha                       1.22    Stream Power (lb/ft s)      5.12      19.92       1.70
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    35843.02    1788.40   26592.49
  C & E Loss (ft)             0.00    Cum SA (acres)            431.67       9.49     650.98


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267296.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1240.28   762.6  1412.7     760 1921.73     760 2318.74  764.68
 2401.29  764.68 2539.67     770 2748.74     770 2838.37  766.39 3144.97  745.48
 3675.61  723.11 3933.92  714.76    4541  701.46 4644.28  702.06 4776.19  703.66
 5567.19  692.82  5765.2  695.96 6010.18  685.95 6048.63  684.68    6724  684.68
  6971.3  676.82 7225.76  658.66  7326.1  654.68 7421.58  654.68 7546.33  660.54
  7820.6   690.8 7881.83  694.68 8065.02  684.05 8121.13  684.05 8160.59  682.98
    8293  685.53  8373.4  689.28 8503.06  698.52    8741  709.72 9131.24  719.37
  9368.2  719.37 9390.55  718.65 9533.46  711.43 9645.85  709.3710510.11     706
10846.93  690.8311156.22  666.3711185.09  659.96 11341.4  654.0311587.68  656.86
11653.01  660.0912094.04  697.7712433.97     71012943.55  714.6812952.21   714.9
13135.52  712.2713364.37  700.8513430.08  700.1113552.63  707.18 13738.7     720
14110.46     72014167.79  716.34 14257.2  711.4714538.62  714.1214732.27  726.13
14805.98     73015237.16     730 15777.9  715.9515963.77  694.5115980.93  690.88
16130.03   670.916328.15  636.77 16349.8  635.1116601.93  623.8517041.96  615.98
17155.88  615.3219525.88  615.3219745.99     62020120.89     62020525.94  605.95
20696.66  605.9520790.24  600.6321041.12  595.3221580.28  590.0721587.68  589.23
21625.51     58021678.02  572.7821745.33  568.2121812.65  565.1321989.61  574.06
22022.13     58022103.85   626.122164.41  632.6822366.85  662.8322428.79  667.12
22717.21  664.9122794.12  667.1623650.38     71723937.47  725.3324371.25  733.23
 24626.5  740.6324858.47  732.8625382.36  710.6225419.63  707.8825700.35  696.68
25851.76  706.8125899.36   711.925949.21   711.926201.23  716.5926579.05  718.31
26729.99  721.1226990.52   736.627497.16  746.0327710.52   745.428097.15  737.07
28483.54  724.1128541.22  723.4229270.66  729.2629339.16  730.6330392.83  730.63
30764.79  735.3232234.83  721.2632717.86  725.9533477.88  725.9534409.46  720.63
34579.62  720.6334941.24   724.735051.65  724.8935430.55  721.2635851.52  721.26
36403.35     70036409.18  698.6236560.05  640.3136723.51  615.9536748.48  616.79
36862.87   623.637344.84  640.7737774.27  686.6637865.59  694.0538306.87  695.41
38455.88  685.2438511.64  685.4138897.16  707.8639386.96   719.239691.25  725.32
40173.85  727.4840555.24  738.5640782.61  739.5940874.71  738.4441335.84  730.63
41945.64     74042296.58  734.3842623.45  734.4642752.27  732.3942822.63  729.84
42927.41  727.7343279.11  726.95 43449.2     73043536.17     730 44563.5  717.15
44659.39  713.5244879.42  707.9545110.98  706.7745193.21  704.68 45399.9  704.68
45427.41  705.4145600.83  707.7945878.66  704.2646531.77  685.6846670.07   683.5
46892.92  685.9747011.17  689.1447543.92  720.4147844.68   731.148820.12  739.21
48989.68  741.2149476.03  748.86 49608.8  753.1350468.27     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521625.51     .1522022.13     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21625.5122022.13             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.31    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.16    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1552946.00   74721.30   1186370.00
  E.G. Slope (ft/ft)      0.000302    Area (sq ft)            1552946.00   74721.30   1186370.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5085404.00   421417.10   2496312.00
  Top Width (ft)          46774.83    Top Width (ft)          18681.06     396.62   27697.15
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.27       5.64       2.10
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.13     188.39      42.83
  Conv. Total (cfs)       460816900.0    Conv. (cfs)            292815300.0   24265010.0   143736600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18700.63     398.10   27736.73
  Min Ch El (ft)            565.13    Shear (lb/sq ft)            1.56       3.53       0.81
  Alpha                       1.22    Stream Power (lb/ft s)      5.12      19.93       1.69
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    35665.13    1779.84   26456.57
  C & E Loss (ft)             0.00    Cum SA (acres)            429.53       9.45     647.81


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267291.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1240.31  762.61 1412.73     760 1921.77     760 2318.79  764.66
 2401.34  764.66 2539.73     770  2748.8     770 2838.44  766.38 3145.04  745.45
  3675.7  723.12 3934.01  714.78  4541.1  701.47 4644.38  702.05 4776.29  703.63
 5567.32  692.78 5765.32   695.9 6010.32  685.92 6048.77  684.66 6724.15  684.66
 6971.46  676.77 7225.92  658.61 7326.26  654.66 7421.75  654.66  7546.5  660.49
```

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 7820.78  690.76 7882.01  694.66  8065.2  683.98 8121.31  683.98 8160.77  682.91
 8293.18  685.51 8373.59  689.27 8503.25  698.53  8741.2  709.72 9131.45  719.32
 9368.41  719.32 9390.76   718.6 9533.68  711.37 9646.06  709.3210510.34  705.97
10847.17  690.7411156.47  666.2911185.34  659.8611341.65  653.9611587.94  656.89
11653.27  660.1412094.31  697.8312434.24     71012943.84  714.66 12952.5  714.87
13135.81   712.213364.67  700.7513430.38  700.0113552.93  707.1213739.01     720
14110.77      720 14168.1  716.3614257.52  711.5214538.95  714.19 14732.6  726.15
14806.31      730 15237.5     73015778.25  716.0215964.13  694.6915981.28  691.06
16130.39  671.0516328.51  636.8416350.16  635.17 16602.3  623.8817042.34     616
17156.26  615.3419526.32  615.3419746.44     62020121.34     620 20526.4  606.02
20697.12  606.02 20790.7  600.6821041.59  595.3421580.77  590.0721588.16  589.24
   21626     58021678.63  572.7621746.11   568.221813.58  565.13 21990.3  574.08
22022.77     580 22104.5  626.2222165.08  632.7722367.56  662.8422429.51  667.14
22717.98  664.8422794.91  667.0723651.35   716.923938.49  725.2624372.36  733.24
24627.66  740.6824859.68  732.8725383.67  710.5825420.96  707.8425701.73  696.69
25853.17  706.9325900.78  712.0425950.63  712.0426202.71  716.7126580.61  718.36
26731.57  721.1626992.16  736.66 27498.9  746.05 27712.3  745.3828099.01  737.01
28485.47  724.0428543.17  723.3529272.76   729.329341.27  730.6830395.15  730.68
30767.19  735.3432237.52  721.3632720.64  726.0233480.82  726.0234412.58  720.68
34582.78  720.6834944.48  724.7735054.91  724.9735433.89  721.3635854.94  721.36
36406.88     70036412.71  698.6136563.61  640.2536727.11  616.0236752.08  616.85
36866.49  623.6637348.56  640.8637778.07  686.6337869.41  693.9838310.78  695.33
38459.82  685.11 38515.6  685.2838901.19  707.8239391.09   719.239695.44  725.34
40178.13  727.52 40559.6  738.5640787.01  739.5840879.13  738.4541340.36  730.68
41950.28     74042301.29  734.4142628.23  734.5342757.07  732.4842827.45  729.93
42932.25  727.8143284.02  726.9643454.14     73043541.13     73044568.67  717.21
44664.57  713.5844884.65  707.9845116.26  706.75 45198.5  704.6645405.23  704.66
45432.75  705.39 45606.2   707.8 45884.1  704.2946537.33   685.746675.67  683.52
46898.55  685.9447016.82   689.147549.69  720.37 47850.5   731.148826.14  739.21
48995.73   741.249482.18  748.8549614.98  753.1250474.62      800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   21626     .1522022.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         2162622022.77             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.31    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.15    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1552996.00   74748.46   1186060.00
  E.G. Slope (ft/ft)      0.000302    Area (sq ft)            1552996.00   74748.46   1186060.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5086273.00   421628.20   2495232.00
  Top Width (ft)          46781.32    Top Width (ft)          18681.70     396.77   27702.85
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.28       5.64       2.10
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.13     188.39      42.81
  Conv. Total (cfs)       460751800.0    Conv. (cfs)            292824000.0   24273740.0   143654100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18701.28     398.25   27742.48
  Min Ch El (ft)            565.13    Shear (lb/sq ft)            1.56       3.54       0.81
  Alpha                       1.22    Stream Power (lb/ft s)      5.12      19.94       1.69
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    35487.23    1771.28   26320.69
  C & E Loss (ft)             0.00    Cum SA (acres)            427.39       9.40     644.64


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267286.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1240.34  762.62 1412.76     760 1921.82     760 2318.85  764.64
 2401.39  764.64 2539.78    770 2748.86     770  2838.5  766.36 3145.11  745.42
 3675.78  723.13  3934.1   714.8  4541.2  701.48 4644.49  702.04  4776.4   703.6
 5567.44  692.75 5765.45  695.83 6010.45  685.89  6048.9  684.64  6724.3  684.64
 6971.61  676.71 7226.08  658.57 7326.43  654.64 7421.91  654.64 7546.67  660.44
 7820.95  690.72 7882.19  694.64 8065.38  683.91 8121.49  683.91 8160.95  682.85
 8293.37  685.49 8373.78  689.27 8503.44  698.54 8741.39  709.72 9131.65  719.27
 9368.62  719.27 9390.97  718.55 9533.89  711.32 9646.28  709.2710510.58  705.94
10847.41  690.6611156.72  666.2111185.59  659.76 11341.9  653.89 11588.2  656.92
11653.53  660.1812094.58  697.8912434.52     71012944.12  714.6412952.79  714.85
 13136.1  712.1213364.97  700.6413430.68  699.9113553.24  707.0713739.31     720
14111.09     72014168.42  716.3814257.83  711.5814539.27  714.2514732.93  726.16
14806.64     73015237.84     730 15778.6  716.0915964.49  694.8615981.64  691.24
16130.75  671.1916328.88  636.9116350.53  635.2416602.67  623.9117042.72  616.02
17156.64  615.3619526.75  615.3619746.88     62020121.79     62020526.86  606.09
20697.58  606.0920791.17  600.7321042.06  595.3621581.25  590.0721588.64  589.24
21626.48     58021679.24  572.7521746.88  568.1921814.52  565.1221990.98   574.1
22023.41     58022105.16  626.3322165.75  632.8522368.27  662.8522430.23  667.15
22718.76  664.76 22795.7  666.9923652.31  716.7923939.52   725.224373.47  733.26
24628.82  740.7324860.88  732.8825384.98  710.5325422.28   707.825703.11  696.71
25854.58  707.05 25902.2  712.1825952.06  712.1826204.19  716.8226582.16  718.42
26733.16   721.226993.79  736.7327500.64  746.0727714.08  745.3628100.87  736.95
28487.41  723.9728545.12  723.2829274.86  729.3429343.38  730.7330397.47  730.73
30769.59  735.3632240.21  721.4532723.43  726.0933483.76  726.0934415.71  720.73
34585.94  720.7334947.71  724.8335058.17  725.0435437.22  721.4535858.35  721.45
 36410.4     70036416.24   698.636567.17   640.2 36730.7  616.0936755.68  616.92
36870.11  623.7237352.28  640.9537781.88  686.5937873.23  693.9138314.69  695.26
38463.77  684.9838519.55  685.1538905.21  707.7839395.22   719.239699.63  725.36
40182.42  727.5540563.96  738.5540791.42  739.5840883.56  738.4641344.87  730.73
41954.92     740   42306  734.43   42633  734.6142761.88  732.5742832.27  730.02
42937.09  727.8943288.93  726.9843459.09     73043546.09     73044573.84  717.28
44669.76  713.6444889.88  708.0245121.54  706.7445203.79  704.6445410.57  704.64
45438.09  705.3745611.58  707.8245889.53  704.3246542.89  685.7346681.26  683.53
46904.19  685.9147022.48  689.0547555.45  720.3247856.33  731.0948832.16  739.21
49001.79   741.249488.34  748.8549621.16   753.150480.98      800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521626.48     .1522023.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21626.4822023.41             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.31    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
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  W.S. Elev (ft)            759.15    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1553043.00   74778.37   1185767.00
  E.G. Slope (ft/ft)      0.000302    Area (sq ft)            1553043.00   74778.37   1185767.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5087088.00   421854.80   2494191.00
  Top Width (ft)          46788.07    Top Width (ft)          18682.44     396.93   27708.70
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.28       5.64       2.10
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.13     188.39      42.79
  Conv. Total (cfs)       460689100.0    Conv. (cfs)            292831000.0   24283480.0   143574600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18702.03     398.41   27748.38
  Min Ch El (ft)            565.12    Shear (lb/sq ft)            1.56       3.54       0.81
  Alpha                       1.22    Stream Power (lb/ft s)      5.12      19.95       1.69
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    35309.32    1762.71   26184.83
  C & E Loss (ft)             0.00    Cum SA (acres)            425.25       9.36     641.46


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267281.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1240.36  762.63 1412.79     760 1921.86     760  2318.9  764.61
 2401.45  764.61 2539.84    770 2748.92     770 2838.56  766.34 3145.18  745.39
 3675.86  723.15 3934.18  714.82  4541.3  701.48 4644.59  702.03 4776.51  703.57
 5567.56  692.72 5765.58  695.77 6010.59  685.87 6049.04  684.61 6724.45  684.61
 6971.77  676.65 7226.24  658.53 7326.59  654.61 7422.08  654.61 7546.84  660.38
 7821.13  690.68 7882.36  694.61 8065.56  683.84 8121.67  683.84 8161.14  682.78
 8293.55  685.47 8373.96  689.27 8503.63  698.54 8741.58  709.72 9131.85  719.23
 9368.83  719.23 9391.18   718.5  9534.1  711.26 9646.49  709.2310510.81  705.91
10847.66  690.5711156.97  666.1211185.84  659.6611342.16  653.8211588.46  656.95
11653.79  660.2212094.85  697.95 12434.8     71012944.41  714.6112953.08  714.82
 13136.4  712.0413365.27  700.5413430.98  699.8113553.54  707.0113739.62     720
 14111.4     72014168.74   716.414258.15  711.63 14539.6  714.3114733.25  726.18
14806.97     73015238.18     73015778.96  716.1615964.84  695.04   15982  691.42
16131.11  671.3416329.24  636.9716350.89  635.3116603.04  623.94 17043.1  616.04
17157.03  615.3919527.19  615.3919747.32     62020122.24     62020527.32  606.16
20698.04  606.1620791.63  600.7721042.53  595.3921581.73  590.0721589.13  589.25
21626.96     58021679.85  572.7421747.65  568.1821815.46  565.1221991.67  574.12
22024.05     58022105.81  626.4522166.42  632.9422368.98  662.8622430.96  667.17
22719.54  664.69 22796.5   666.923653.28  716.6923940.54  725.1324374.58  733.27
24629.98  740.7724862.09   732.9 25386.3  710.49 25423.6  707.7625704.49  696.73
25855.99  707.1725903.61  712.3225953.49  712.3226205.67  716.9426583.71  718.48
26734.74  721.2526995.43   736.827502.38  746.0927715.87  745.3428102.73  736.89
28489.35   723.928547.07  723.2229276.95  729.3929345.49  730.77 30399.8  730.77
30771.98  735.39 32242.9  721.5532726.22  726.16 33486.7  726.1634418.84  720.77
34589.11  720.7734950.95   724.935061.43  725.1235440.55  721.5535861.77  721.55
36413.93     70036419.77   698.636570.73  640.1536734.29  616.1636759.27  616.99
36873.73  623.78   37356  641.0437785.68  686.5637877.06  693.84 38318.6  695.18
38467.71  684.86 38523.5  685.0338909.25  707.7439399.35  719.1939703.82  725.39
 40186.7  727.5840568.32  738.5540795.83  739.5840887.98  738.4641349.39  730.77
41959.57     74042310.71  734.4642637.78  734.6942766.68  732.6642837.09  730.11
42941.93  727.9643293.84  726.9943464.03     73043551.05     730   44579  717.34
44674.95   713.744895.11  708.0545126.81  706.7245209.09  704.6145415.91  704.61
45443.43  705.3545616.96  707.8345894.96  704.3446548.46  685.7546686.85  683.55
46909.82  685.8847028.14     68947561.22  720.2847862.16  731.0948838.18   739.2
49007.85  741.1949494.49  748.8449627.34  753.0950487.33     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521626.96     .1522024.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21626.9622024.05             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.30    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.15    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1553073.00   74807.15   1185469.00
  E.G. Slope (ft/ft)      0.000302    Area (sq ft)            1553073.00   74807.15   1185469.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5087878.00   422077.30   2493178.00
  Top Width (ft)          46794.66    Top Width (ft)          18683.18     397.09   27714.39
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.28       5.64       2.10
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.13     188.39      42.77
  Conv. Total (cfs)       460619900.0    Conv. (cfs)            292832600.0   24292640.0   143494700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18702.79     398.57   27754.11
  Min Ch El (ft)            565.12    Shear (lb/sq ft)            1.56       3.54       0.80
  Alpha                       1.22    Stream Power (lb/ft s)      5.13      19.96       1.69
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    35131.41    1754.14   26049.02
  C & E Loss (ft)             0.00    Cum SA (acres)            423.11       9.31     638.29


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267276.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1240.39  762.64 1412.82     760  1921.9     760 2318.95  764.59
  2401.5  764.59  2539.9    770 2748.98     770 2838.63  766.33 3145.25  745.37
 3675.94  723.16 3934.27  714.84  4541.4  701.49 4644.69  702.02 4776.61  703.55
 5567.69  692.69 5765.71  695.71 6010.72  685.84 6049.17  684.59  6724.6  684.59
 6971.93  676.59 7226.41  658.48 7326.75  654.59 7422.25  654.59    7547  660.33
  7821.3  690.64 7882.54  694.59 8065.74  683.77 8121.85  683.77 8161.32  682.72
 8293.74  685.45 8374.15  689.27 8503.82  698.55 8741.78  709.73 9132.06  719.18
 9369.04  719.18 9391.39  718.45 9534.32   711.2 9646.71  709.1810511.04  705.88
 10847.9  690.4911157.22  666.0411186.09  659.5611342.41  653.7511588.71  656.98
11654.05  660.2712095.12  698.0112435.08     710 12944.7  714.5912953.37   714.8
13136.69  711.9613365.56  700.4313431.28  699.7113553.84  706.9513739.93     720
14111.71     72014169.05  716.4114258.47  711.6814539.92  714.3714733.58   726.2
 14807.3     73015238.52     73015779.31  716.23 15965.2  695.2215982.35   691.6
16131.47  671.4816329.61  637.0416351.25  635.3716603.41  623.9717043.48  616.06
17157.41  615.4119527.62  615.4119747.76     62020122.69     62020527.78  606.23
 20698.5  606.23 20792.1  600.82   21043  595.4121582.21  590.0721589.61  589.25
21627.44     58021680.46  572.7221748.43  568.1621816.39  565.1221992.35  574.13
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22024.69     58022106.47  626.5722167.09  633.0322369.68  662.8722431.68  667.18
22720.32  664.6122797.29  666.8123654.24  716.5923941.57  725.07 24375.7  733.28
24631.15  740.82 24863.3  732.9125387.61  710.4525424.92  707.7225705.87  696.74
 25857.4  707.2825905.03  712.4625954.92  712.4626207.15  717.0626585.27  718.54
26736.33  721.2926997.07  736.8727504.12  746.1127717.65  745.3228104.59  736.84
28491.29  723.8328549.01  723.1529279.04  729.43 29347.6  730.8230402.12  730.82
30774.38  735.4132245.59  721.6432729.01  726.2333489.64  726.2334421.96  720.82
34592.27  720.8234954.18  724.9635064.68  725.1935443.88  721.6435865.19  721.64
36417.46     700 36423.3  698.5936574.29   640.136737.88  616.2336762.87  617.05
36877.35  623.8437359.71  641.1437789.48  686.5337880.88  693.7738322.51   695.1
38471.64  684.7338527.45   684.938913.27   707.739403.48  719.1939708.01  725.41
40190.99  727.6240572.69  738.5440800.24  739.5840892.41  738.4741353.91  730.82
41964.21     74042315.43  734.4942642.56  734.7742771.48  732.74 42841.9  730.19
42946.77  728.0443298.74  727.0143468.98     73043556.01     73044584.17  717.41
44680.14  713.7644900.34  708.0945132.09  706.7145214.38  704.5945421.24  704.59
45448.77  705.3345622.33  707.8445900.39  704.3746554.02  685.7846692.44  683.57
46915.46  685.85 47033.8  688.9647566.99  720.2447867.98  731.0848844.21   739.2
 49013.9  741.1949500.64  748.8449633.53  753.0750493.69     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521627.44     .1522024.69     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21627.4422024.69             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.30    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.15    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1553109.00   74838.12   1185152.00
  E.G. Slope (ft/ft)      0.000302    Area (sq ft)            1553109.00   74838.12   1185152.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5088727.00   422318.90   2492087.00
  Top Width (ft)          46801.27    Top Width (ft)          18683.76     397.25   27720.26
  Vel Total (ft/s)            2.84    Avg. Vel. (ft/s)            3.28       5.64       2.10
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.13     188.39      42.75
  Conv. Total (cfs)       460550900.0    Conv. (cfs)            292837600.0   24302900.0   143410500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18703.39     398.73   27760.03
  Min Ch El (ft)            565.12    Shear (lb/sq ft)            1.57       3.54       0.80
  Alpha                       1.22    Stream Power (lb/ft s)      5.13      19.97       1.69
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    34953.50    1745.57   25913.23
  C & E Loss (ft)             0.00    Cum SA (acres)            420.97       9.26     635.11


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267271.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1240.42  762.65 1412.85     760 1921.95     760    2319  764.57
 2401.55  764.57 2539.95     770 2749.04     770 2838.69  766.31 3145.32  745.34
 3676.02  723.17 3934.36  714.86  4541.5   701.5  4644.8  702.01 4776.72  703.52
 5567.81  692.66 5765.84  695.65 6010.85  685.81 6049.31  684.57 6724.75  684.57
 6972.08  676.53 7226.57  658.44 7326.92  654.57 7422.41  654.57 7547.17  660.28
 7821.48   690.6 7882.71  694.57 8065.92   683.7 8122.03   683.7  8161.5  682.65
 8293.92  685.44 8374.34  689.26 8504.01  698.56 8741.97  709.73 9132.26  719.13
 9369.25  719.13  9391.6   718.4 9534.53  711.14 9646.92  709.1310511.28  705.85
10848.14   690.411157.47  665.9611186.34  659.4611342.66  653.6811588.97  657.01
11654.31  660.3112095.39  698.0712435.35     71012944.99  714.5712953.66  714.77
13136.98  711.8813365.86  700.3313431.58  699.6113554.14   706.913740.23     720
14112.03     72014169.37  716.4314258.79  711.7314540.25  714.4414733.91  726.22
14807.63     73015238.86     73015779.66   716.315965.55   695.415982.71  691.78
16131.83  671.6316329.97   637.116351.62  635.4416603.78     62417043.87  616.08
17157.79  615.4319528.06  615.43 19748.2     62020123.14     62020528.23   606.3
20698.96   606.320792.56  600.8721043.47  595.4321582.69  590.0721590.09  589.25
21627.93     58021681.07  572.71 21749.2  568.1521817.33  565.1221993.04  574.15
22025.33     58022107.13  626.6922167.75  633.1122370.39  662.89 22432.4   667.2
 22721.1  664.5422798.09  666.7323655.21  716.4923942.59     72524376.81   733.3
24632.31  740.8724864.51  732.9225388.93  710.4125426.24  707.6825707.24  696.76
 25858.8   707.425906.45   712.625956.35   712.626208.62  717.1726586.82   718.6
26737.91  721.3426998.71  736.9327505.86  746.1327719.43   745.328106.45  736.78
28493.22  723.7628550.96  723.0829281.14  729.4729349.71  730.8730404.44  730.87
30776.77  735.4332248.28  721.7332731.79   726.333492.59   726.334425.09  720.87
34595.43  720.8734957.41  725.0335067.94  725.2735447.22  721.7335868.61  721.73
36420.99     70036426.83  698.5836577.85  640.0536741.48   616.336766.47  617.12
36880.97   623.937363.43  641.2337793.29  686.49 37884.7   693.738326.42  695.02
38475.59  684.61 38531.4  684.77 38917.3  707.66 39407.6  719.19 39712.2  725.43
40195.28  727.6540577.05  738.5340804.64  739.5840896.84  738.4841358.43  730.87
41968.85     74042320.14  734.5242647.34  734.8442776.29  732.8342846.72  730.28
42951.61  728.1243303.65  727.0243473.92     73043560.97     73044589.34  717.47
44685.32  713.8244905.57  708.1245137.37   706.745219.68  704.5745426.58  704.57
45454.11  705.3145627.71  707.8545905.82   704.446559.58   685.846698.03  683.58
46921.09  685.8247039.46  688.9147572.75   720.247873.81  731.0848850.23   739.2
49019.96  741.18 49506.8  748.8349639.71  753.0650500.04     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521627.93     .1522025.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21627.9322025.33             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.30    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.15    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1553157.00   74865.13   1184857.00
  E.G. Slope (ft/ft)      0.000302    Area (sq ft)            1553157.00   74865.13   1184857.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5089554.00   422526.50   2491053.00
  Top Width (ft)          46807.86    Top Width (ft)          18684.50     397.40   27725.95
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.28       5.64       2.10
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.13     188.39      42.73
  Conv. Total (cfs)       460487400.0    Conv. (cfs)            292844700.0   24311490.0   143331200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18704.14     398.88   27765.77
  Min Ch El (ft)            565.12    Shear (lb/sq ft)            1.57       3.54       0.80
  Alpha                       1.22    Stream Power (lb/ft s)      5.13      19.98       1.69
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    34775.58    1737.00   25777.48
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  C & E Loss (ft)             0.00    Cum SA (acres)            418.83       9.22     631.94


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267266.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1240.45  762.66 1412.89     760 1921.99     760 2319.05  764.54
 2401.61  764.54 2540.01     770  2749.1     770 2838.75   766.3 3145.39  745.31
 3676.11  723.19 3934.45  714.88  4541.6   701.5  4644.9     702 4776.83  703.49
 5567.94  692.63 5765.97  695.59 6010.99  685.78 6049.44  684.54  6724.9  684.54
 6972.24  676.48 7226.73   658.4 7327.08  654.54 7422.58  654.54 7547.34  660.22
 7821.65  690.56 7882.89  694.54  8066.1  683.63 8122.21  683.63 8161.68  682.59
 8294.11  685.42 8374.52  689.26  8504.2  698.57 8742.17  709.73 9132.46  719.09
 9369.46  719.09 9391.81  718.35 9534.74  711.09 9647.14  709.0910511.51  705.82
10848.38  690.3211157.72  665.8811186.59  659.3611342.92  653.6111589.23  657.04
11654.57  660.3612095.66  698.1312435.63     71012945.28  714.5412953.94  714.75
13137.28  711.8113366.16  700.2213431.88  699.5113554.45  706.8413740.54     720
14112.34     72014169.68  716.4514259.11  711.7814540.57   714.514734.24  726.24
14807.96     730 15239.2     73015780.01  716.3715965.91  695.5715983.07  691.96
16132.19  671.7716330.33  637.1716351.98  635.5116604.15  624.0417044.24   616.1
17158.18  615.4619528.49  615.4619748.64     62020123.59     62020528.69  606.37
20699.43  606.3720793.02  600.9121043.94  595.4621583.17  590.0721590.57  589.26
21628.41     58021681.68  572.6921749.97  568.1421818.27  565.1221993.72  574.17
22025.97     58022107.78  626.8122168.42   633.2 22371.1   662.922433.12  667.21
22721.88  664.4622798.88  666.6423656.18  716.3923943.62  724.9424377.92  733.31
24633.47  740.9124865.72  732.9325390.24  710.3725427.56  707.6425708.62  696.78
25860.21  707.5225907.87  712.7425957.78  712.74 26210.1  717.2926588.38  718.66
 26739.5  721.3827000.34     737 27507.6  746.1527721.21  745.2828108.31  736.72
28495.16  723.6928552.91  723.0229283.24  729.5129351.81  730.9130406.76  730.91
30779.17  735.4632250.97  721.8332734.58  726.3733495.53  726.3734428.22  720.91
34598.59  720.9134960.65  725.09 35071.2  725.3435450.55  721.8335872.02  721.83
36424.52     70036430.36  698.5836581.41     64036745.07  616.3736770.07  617.18
36884.59  623.9637367.15  641.3237797.09  686.4637888.52  693.6338330.34  694.95
38479.53  684.4838535.36  684.6538921.33  707.6239411.73  719.1839716.38  725.46
40199.56  727.6840581.41  738.5340809.05  739.5840901.27  738.4941362.95  730.91
41973.49     74042324.85  734.5542652.11  734.9242781.09  732.9242851.54  730.37
42956.44   728.243308.56  727.0443478.86     73043565.93     73044594.51  717.53
44690.51  713.88 44910.8  708.1645142.64  706.6845224.97  704.5445431.91  704.54
45459.45  705.2945633.08  707.8645911.25  704.4346565.14  685.8346703.62   683.6
46926.73  685.7947045.12  688.8747578.52  720.1647879.64  731.0748856.25  739.19
49026.02  741.1749512.95  748.8349645.89  753.0450506.39     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521628.41     .1522025.97     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21628.4122025.97             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.30    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.15    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1553171.00   74894.49   1184554.00
  E.G. Slope (ft/ft)      0.000302    Area (sq ft)            1553171.00   74894.49   1184554.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5090333.00   422759.00   2490041.00
  Top Width (ft)          46814.51    Top Width (ft)          18685.14     397.56   27731.80
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.28       5.64       2.10
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.12     188.39      42.71
  Conv. Total (cfs)       460413100.0    Conv. (cfs)            292842300.0   24320950.0   143249800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18704.80     399.03   27771.67
  Min Ch El (ft)            565.12    Shear (lb/sq ft)            1.57       3.54       0.80
  Alpha                       1.22    Stream Power (lb/ft s)      5.13      19.98       1.69
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    34597.66    1728.42   25641.77
  C & E Loss (ft)             0.00    Cum SA (acres)            416.69       9.17     628.76


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267261.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1240.47  762.68 1412.92     760 1922.03     760  2319.1  764.52
 2401.66  764.52 2540.07     770 2749.17     770 2838.82  766.28 3145.46  745.28
 3676.19   723.2 3934.54  714.91 4541.71  701.51    4645  701.98 4776.93  703.46
 5568.06  692.59  5766.1  695.53 6011.12  685.75 6049.58  684.52 6725.05  684.52
 6972.39  676.42 7226.89  658.35 7327.24  654.52 7422.74  654.52 7547.51  660.17
 7821.83  690.52 7883.06  694.52 8066.28  683.56 8122.39  683.56 8161.86  682.52
 8294.29   685.4 8374.71  689.26 8504.39  698.57 8742.37  709.73 9132.67  719.04
 9369.67  719.04 9392.02   718.3 9534.95  711.03 9647.35  709.0410511.75  705.79
10848.62  690.2411157.97  665.811186.84  659.2611343.17  653.5411589.49  657.07
11654.83   660.412095.93  698.212435.91     71012945.57  714.5212954.23  714.72
13137.57  711.7313366.46  700.1213432.18  699.4113554.75  706.7813740.85     720
14112.66     720   14170  716.4714259.43  711.8314540.89  714.5614734.57  726.26
14808.29     73015239.54     73015780.36  716.4415966.27  695.7515983.42  692.14
16132.55  671.92 16330.7  637.2416352.35  635.5716604.52  624.0717044.62  616.12
17158.56  615.4819528.93  615.4819749.08     62020124.04     62020529.15  606.44
20699.89  606.4420793.49  600.9621044.41  595.4821583.65  590.0721591.05  589.26
21628.89     58021682.29  572.6821750.74  568.13 21819.2  565.1221994.41  574.19
22026.61     58022108.44  626.9322169.09  633.2922371.81  662.9122433.84  667.23
22722.66  664.3922799.68  666.5623657.14  716.2923944.64  724.8724379.03  733.33
24634.63  740.9624866.93  732.9525391.56  710.3325428.88   707.6   25710  696.79
25861.62  707.6425909.29  712.88 25959.2  712.8826211.58  717.4126589.93  718.71
26741.08  721.4327001.98  737.0727509.34  746.1727722.99  745.2628110.17  736.67
 28497.1  723.6228554.86  722.9529285.33  729.5529353.92  730.9630409.08  730.96
30781.56  735.4832253.66  721.9232737.37  726.4433498.46  726.4434431.35  720.96
34601.75  720.9634963.88  725.1635074.45  725.4235453.88  721.9235875.44  721.92
36428.04     70036433.89  698.5736584.97  639.9436748.66  616.4436773.66  617.25
36888.21  624.0237370.87  641.4137800.89  686.4337892.35  693.5638334.25  694.87
38483.47  684.3538539.31  684.5238925.36  707.5839415.86  719.1839720.57  725.48
40203.85  727.7140585.77  738.5240813.46  739.5740905.69   738.541367.47  730.96
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41978.13     74042329.57  734.5742656.89     735 42785.9  733.0142856.36  730.46
42961.28  728.2843313.47  727.0543483.81     73043570.89     73044599.68   717.6
 44695.7  713.9444916.04  708.1945147.92  706.6745230.26  704.5245437.25  704.52
 45464.8  705.2745638.46  707.8745916.69  704.4646570.71  685.8546709.21  683.61
46932.36  685.7647050.78  688.8247584.29  720.1147885.46  731.0748862.27  739.19
49032.07  741.1749519.11  748.8249652.07  753.0250512.75     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521628.89     .1522026.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21628.8922026.61             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.30    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.14    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1553220.00   74922.93   1184249.00
  E.G. Slope (ft/ft)      0.000302    Area (sq ft)            1553220.00   74922.93   1184249.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5091187.00   422976.30   2488970.00
  Top Width (ft)          46821.25    Top Width (ft)          18685.87     397.72   27737.66
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.28       5.65       2.10
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.12     188.38      42.69
  Conv. Total (cfs)       460347800.0    Conv. (cfs)            292849900.0   24330000.0   143167900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18705.55     399.19   27777.58
  Min Ch El (ft)            565.12    Shear (lb/sq ft)            1.57       3.54       0.80
  Alpha                       1.22    Stream Power (lb/ft s)      5.14      19.99       1.69
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    34419.73    1719.84   25506.09
  C & E Loss (ft)             0.00    Cum SA (acres)            414.55       9.13     625.59


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267256.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1240.5  762.69 1412.95     760 1922.07     760 2319.16   764.5
 2401.71   764.5 2540.12     770 2749.23     770 2838.88  766.26 3145.53  745.26
 3676.27  723.22 3934.62  714.93 4541.81  701.52 4645.11  701.97 4777.04  703.43
 5568.19  692.56 5766.22  695.46 6011.26  685.72 6049.71   684.5  6725.2   684.5
 6972.55  676.36 7227.05  658.31 7327.41   654.5 7422.91   654.5 7547.68  660.12
    7822  690.48 7883.24   694.5 8066.46  683.49 8122.58  683.49 8162.05  682.46
 8294.48  685.38  8374.9  689.25 8504.58  698.58 8742.56  709.73 9132.87  718.99
 9369.87  718.99 9392.23  718.25 9535.17  710.97 9647.57  708.9910511.98  705.76
10848.87  690.1511158.21  665.7111187.09  659.1611343.42  653.4711589.75   657.1
11655.09  660.45 12096.2  698.2612436.19     71012945.86   714.512954.52   714.7
13137.86  711.6513366.76  700.0213432.48  699.3113555.05  706.7313741.15     720
14112.97     72014170.32  716.4914259.74  711.8814541.22  714.62 14734.9  726.28
14808.62     73015239.88     73015780.72  716.5115966.62  695.9315983.78  692.32
16132.91  672.0616331.06   637.316352.71  635.6416604.89   624.1   17045  616.14
17158.94   615.519529.37   615.519749.52     62020124.48     62020529.61  606.51
20700.35  606.5120793.95  601.0121044.88   595.521584.13  590.0721591.54  589.26
21629.37     580 21682.9  572.6721751.52  568.1221820.14  565.11 21995.1   574.2
22027.25     58022109.09  627.0522169.76  633.3722372.52  662.9222434.56  667.24
22723.44  664.3222800.47  666.4723658.11  716.1923945.66  724.8124380.14  733.34
 24635.8  741.0124868.14  732.9625392.87  710.2925430.21  707.5625711.38  696.81
25863.03  707.76 25910.7  713.0225960.63  713.0226213.06  717.5226591.49  718.77
26742.67  721.4727003.62  737.1327511.08  746.1927724.78  745.2428112.03  736.61
28499.04  723.5428556.81  722.8829287.43  729.5929356.03  731.01 30411.4  731.01
30783.96   735.532256.36  722.0132740.16  726.5133501.41  726.5134434.48  721.01
34604.91  721.0134967.12  725.2235077.71   725.535457.21  722.0135878.86  722.01
36431.57     70036437.41  698.5736588.53  639.8936752.25  616.5136777.26  617.32
36891.83  624.0837374.59   641.5 37804.7  686.3937896.17  693.4938338.16  694.79
38487.41  684.2338543.26  684.3938929.39  707.5539419.98  719.1839724.76   725.5
40208.13  727.7540590.14  738.5140817.87  739.5740910.12   738.541371.99  731.01
41982.77     74042334.28   734.642661.67  735.08 42790.7   733.142861.18  730.54
42966.12  728.3543318.38  727.0743488.75     73043575.86     73044604.84  717.66
44700.88     71444921.27  708.23 45153.2  706.6545235.56   704.545442.59   704.5
45470.14  705.2545643.84  707.8845922.12  704.4946576.27  685.88 46714.8  683.63
   46938  685.7347056.44  688.7847590.05  720.0747891.29  731.06 48868.3  739.18
49038.13  741.1649525.26  748.8249658.25  753.01 50519.1     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521629.37     .1522027.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21629.3722027.25             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.30    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.14    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1553262.00   74954.34   1183958.00
  E.G. Slope (ft/ft)      0.000302    Area (sq ft)            1553262.00   74954.34   1183958.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5091977.00   423214.30   2487943.00
  Top Width (ft)          46827.79    Top Width (ft)          18686.56     397.88   27743.35
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.28       5.65       2.10
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.12     188.38      42.68
  Conv. Total (cfs)       460285900.0    Conv. (cfs)            292855900.0   24340410.0   143089600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18706.24     399.35   27783.33
  Min Ch El (ft)            565.11    Shear (lb/sq ft)            1.57       3.54       0.80
  Alpha                       1.22    Stream Power (lb/ft s)      5.14      20.00       1.69
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    34241.80    1711.26   25370.45
  C & E Loss (ft)             0.00    Cum SA (acres)            412.41       9.08     622.41


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267251.*

INPUT
Description:
Station Elevation Data    num=     174
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1240.53   762.7 1412.98     760 1922.12     760 2319.21  764.47
 2401.77  764.47 2540.18     770 2749.29     770 2838.94  766.25  3145.6  745.23
 3676.35  723.23 3934.71  714.95 4541.91  701.52 4645.21  701.96 4777.15  703.41
 5568.31  692.53 5766.35   695.4 6011.39  685.69 6049.85  684.47 6725.35  684.47
  6972.7   676.3 7227.21  658.27 7327.57  654.47 7423.07  654.47 7547.85  660.07
 7822.17  690.44 7883.42  694.47 8066.64  683.42 8122.76  683.42 8162.23  682.39
 8294.66  685.36 8375.08  689.25 8504.77  698.59 8742.75  709.73 9133.07  718.95
 9370.08  718.95 9392.44   718.2 9535.38  710.92 9647.78  708.9510512.22  705.73
10849.11  690.0711158.46  665.6311187.34  659.0611343.67   653.411590.01  657.13
11655.35  660.4912096.47  698.3212436.46     71012946.15  714.4712954.81  714.67
13138.16  711.5713367.06  699.9113432.78  699.2113555.35  706.6713741.46     720
14113.29     72014170.63   716.514260.06  711.9314541.54  714.6814735.23   726.3
14808.95     73015240.22     73015781.07  716.5815966.98  696.1115984.14   692.5
16133.27  672.2116331.43  637.3716353.08  635.7116605.26  624.1317045.38  616.16
17159.32  615.53 19529.8  615.5319749.96     62020124.93     62020530.06  606.58
20700.81  606.5820794.41  601.0521045.34  595.5321584.62  590.0721592.02  589.27
21629.86     58021683.51  572.6521752.29  568.1121821.08  565.1121995.78  574.22
22027.88     58022109.75  627.1722170.43  633.4622373.23  662.9422435.28  667.25
22724.22  664.2422801.27  666.3923659.08  716.0823946.69  724.7424381.25  733.35
24636.96  741.0524869.35  732.9725394.19  710.2425431.53  707.5325712.76  696.83
25864.44  707.8725912.12  713.1625962.06  713.1626214.54  717.6426593.04  718.83
26744.25  721.5127005.26   737.227512.82  746.2127726.56  745.2228113.89  736.55
28500.97  723.4728558.76  722.8129289.52  729.6329358.14  731.0530413.72  731.05
30786.36  735.5332259.04  722.1132742.95  726.5833504.35  726.5834437.61  721.05
34608.07  721.0534970.35  725.2935080.96  725.5735460.55  722.1135882.27  722.11
 36435.1     70036440.95  698.5636592.09  639.8436755.84  616.5836780.86  617.38
36895.45  624.14 37378.3  641.59 37808.5  686.3637899.99  693.4238342.07  694.72
38491.35   684.138547.21  684.2638933.42  707.5139424.11  719.1739728.95  725.53
40212.42  727.78 40594.5  738.5140822.28  739.5740914.54  738.5141376.51  731.05
41987.41     74042338.99  734.6342666.45  735.16 42795.5  733.1842865.99  730.63
42970.96  728.4343323.29  727.08 43493.7     73043580.82     73044610.01  717.73
44706.07  714.06 44926.5  708.2645158.48  706.6445240.85  704.4745447.92  704.47
45475.48  705.2345649.21  707.8945927.55  704.5246581.84   685.946720.39  683.64
46943.63   685.7 47062.1  688.7347595.82  720.0347897.12  731.0548874.32  739.18
49044.19  741.1649531.41  748.8149664.43  752.9950525.45     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521629.86     .1522027.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21629.8622027.88              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.29    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.14    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1553285.00   74980.16   1183668.00
  E.G. Slope (ft/ft)      0.000302    Area (sq ft)            1553285.00   74980.16   1183668.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5092756.00   423423.30   2486954.00
  Top Width (ft)          46834.44    Top Width (ft)          18687.21     398.02   27749.21
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.28       5.65       2.10
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.12     188.38      42.66
  Conv. Total (cfs)       460215900.0    Conv. (cfs)            292856200.0   24348730.0   143011000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18706.91     399.49   27789.24
  Min Ch El (ft)            565.11    Shear (lb/sq ft)            1.57       3.54       0.80
  Alpha                       1.22    Stream Power (lb/ft s)      5.14      20.01       1.69
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    34063.87    1702.67   25234.84
  C & E Loss (ft)             0.00    Cum SA (acres)            410.27       9.04     619.23


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267246.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1240.56  762.71 1413.01     760 1922.16     760 2319.26  764.45
 2401.82  764.45 2540.24     770 2749.35     770 2839.01  766.23 3145.67   745.2
 3676.43  723.24  3934.8  714.97 4542.01  701.53 4645.31  701.95 4777.25  703.38
 5568.43   692.5 5766.48  695.34 6011.52  685.66 6049.98  684.45  6725.5  684.45
 6972.86  676.24 7227.37  658.22 7327.73  654.45 7423.24  654.45 7548.01  660.01
 7822.35   690.4 7883.59  694.45 8066.82  683.35 8122.94  683.35 8162.41  682.33
 8294.85  685.34 8375.27  689.25 8504.96   698.6 8742.95  709.73 9133.28   718.9
 9370.29   718.9 9392.65  718.15 9535.59  710.86    9648   708.910512.45   705.7
10849.35  689.9811158.71  665.5511187.59  658.9611343.93  653.3311590.27  657.16
11655.61  660.5412096.74  698.3812436.74     71012946.43  714.45 12955.1  714.65
13138.45  711.4913367.35  699.8113433.08  699.1113555.65  706.6113741.77     720
 14113.6     72014170.95  716.5214260.38  711.9814541.87  714.7514735.55  726.32
14809.28     73015240.56     73015781.42  716.6515967.33  696.2815984.49  692.68
16133.63  672.3616331.79  637.4316353.44  635.7716605.63  624.1617045.77  616.18
17159.71  615.5519530.24  615.55 19750.4     62020125.38     62020530.52  606.65
20701.27  606.6520794.88   601.121045.81  595.55 21585.1  590.08 21592.5  589.27
21630.34     58021684.12  572.6421753.06   568.121822.01  565.1121996.47  574.24
22028.52     580 22110.4  627.2922171.09  633.5522373.94  662.95   22436  667.27
22724.99  664.1722802.06   666.323660.04  715.9823947.71  724.6824382.36  733.37
24638.12   741.124870.56  732.98 25395.5   710.225432.85  707.4925714.14  696.84
25865.85  707.9925913.54   713.325963.49   713.326216.02  717.76 26594.6  718.89
26745.84  721.5627006.89  737.2727514.56  746.2327728.34   745.228115.75   736.5
28502.91   723.428560.71  722.7529291.62  729.6729360.25   731.130416.04   731.1
30788.75  735.5532261.74   722.232745.73  726.6533507.29  726.6534440.73   721.1
34611.24   721.134973.59  725.3535084.22  725.6535463.88   722.235885.69   722.2
36438.63     70036444.47  698.5536595.65  639.7936759.44  616.6536784.46  617.45
36899.07   624.237382.02  641.68 37812.3  686.3337903.81  693.3538345.98  694.64
38495.29  683.9738551.16  684.1438937.45  707.4739428.24  719.1739733.14  725.55
 40216.7  727.8140598.86   738.540826.68  739.5740918.97  738.5241381.03   731.1
41992.05     740 42343.7  734.6642671.23  735.2342800.31  733.2742870.81  730.72
 42975.8  728.51 43328.2   727.143498.64     73043585.78     73044615.18  717.79
44711.25  714.1244931.73   708.345163.75  706.6245246.14  704.4545453.25  704.45
45480.82  705.2145654.59   707.945932.98  704.55 46587.4  685.9346725.98  683.66
46949.27  685.6747067.76  688.6847601.58  719.9947902.95  731.0548880.34  739.18
49050.24  741.1549537.57  748.8149670.61  752.9850531.81     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521630.34     .1522028.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      21630.3422028.52             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.29    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.14    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1553332.00   75008.66   1183346.00
  E.G. Slope (ft/ft)      0.000303    Area (sq ft)            1553332.00   75008.66   1183346.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5093635.00   423644.20   2485854.00
  Top Width (ft)          46841.02    Top Width (ft)          18687.93     398.18   27754.90
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.28       5.65       2.10
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.12     188.38      42.64
  Conv. Total (cfs)       460147500.0    Conv. (cfs)            292863200.0   24357810.0   142926500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18707.66     399.65   27794.99
  Min Ch El (ft)            565.11    Shear (lb/sq ft)            1.57       3.54       0.80
  Alpha                       1.22    Stream Power (lb/ft s)      5.14      20.02       1.69
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    33885.93    1694.08   25099.26
  C & E Loss (ft)             0.00    Cum SA (acres)            408.12       8.99     616.05


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267241.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1240.59  762.72 1413.04     760  1922.2     760 2319.31  764.43
 2401.88  764.43 2540.29     770 2749.41     770 2839.07  766.22 3145.74  745.17
 3676.52  723.26 3934.89  714.99 4542.11  701.54 4645.42  701.94 4777.36  703.35
 5568.56  692.47 5766.61  695.28 6011.66  685.63 6050.12  684.43 6725.65  684.43
 6973.01  676.18 7227.53  658.18  7327.9  654.43  7423.4  654.43 7548.18  659.96
 7822.52  690.36 7883.77  694.43    8067  683.28 8123.12  683.28 8162.59  682.26
 8295.03  685.32 8375.46  689.24 8505.15   698.6 8743.15  709.74 9133.48  718.85
  9370.5  718.85 9392.86   718.1  9535.8   710.8 9648.21  708.8510512.69  705.67
10849.59   689.911158.96  665.4711187.84  658.8611344.18  653.2611590.52  657.19
11655.87  660.5812097.01  698.4412437.02     71012946.72  714.4312955.39  714.63
13138.74  711.4213367.65   699.713433.37  699.0113555.96  706.5613742.07     720
14113.92     72014171.26  716.54 14260.7  712.0314542.19  714.8114735.88  726.34
14809.61     730 15240.9     73015781.77  716.7215967.69  696.4615984.85  692.86
16133.99   672.516332.16   637.516353.81  635.84   16606  624.1917046.14   616.2
17160.09  615.5719530.67  615.5719750.84     62020125.83     62020530.98  606.72
20701.74  606.7220795.34  601.1521046.28  595.5721585.58  590.0821592.98  589.28
21630.82     58021684.73  572.6321753.84  568.0921822.95  565.1121997.15  574.26
22029.16     58022111.06  627.4122171.76  633.6322374.64  662.9622436.72  667.28
22725.77  664.0922802.85  666.2123661.01  715.8823948.74  724.6124383.47  733.38
24639.29  741.1524871.77     73325396.81  710.1625434.17  707.4525715.51  696.86
25867.26  708.1125914.96  713.4425964.92  713.44 26217.5  717.8826596.15  718.95
26747.42   721.627008.53  737.3327516.29  746.2527730.12  745.1828117.61  736.44
28504.85  723.3328562.66  722.6829293.71  729.7129362.36  731.1530418.36  731.15
30791.15  735.5732264.43   722.332748.52  726.7233510.23  726.7234443.86  721.15
 34614.4  721.1534976.82  725.4235087.48  725.7235467.21   722.335889.11   722.3
36442.16     700   36448  698.5536599.21  639.7436763.03  616.7236788.05  617.51
36902.69  624.2637385.74  641.7837816.11  686.2937907.63  693.2838349.89  694.56
38499.23  683.8538555.11  684.0138941.48  707.4339432.37  719.1739737.33  725.57
40220.99  727.8540603.22   738.540831.09  739.5740923.39  738.5341385.54  731.15
 41996.7     74042348.41  734.69   42676  735.3142805.11  733.3642875.63  730.81
42980.64  728.5943333.11  727.1143503.58     73043590.74     73044620.34  717.85
44716.44  714.1844936.96  708.3345169.03  706.6145251.44  704.4345458.59  704.43
45486.16  705.1945659.96  707.9145938.41  704.5746592.96  685.9546731.57  683.67
46954.91  685.6447073.42  688.6447607.35  719.9447908.77  731.0448886.36  739.17
 49056.3  741.1449543.72   748.849676.79  752.9650538.16     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521630.82     .1522029.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21630.8222029.16             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.29    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.14    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1553371.00   75037.39   1183046.00
  E.G. Slope (ft/ft)      0.000303    Area (sq ft)            1553371.00   75037.39   1183046.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5094461.00   423864.00   2484808.00
  Top Width (ft)          46847.66    Top Width (ft)          18688.57     398.34   27760.75
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.28       5.65       2.10
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.12     188.38      42.62
  Conv. Total (cfs)       460081400.0    Conv. (cfs)            292868700.0   24366950.0   142845800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18708.31     399.81   27800.89
  Min Ch El (ft)            565.11    Shear (lb/sq ft)            1.57       3.55       0.80
  Alpha                       1.22    Stream Power (lb/ft s)      5.14      20.03       1.69
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    33707.99    1685.48   24963.72
  C & E Loss (ft)             0.00    Cum SA (acres)            405.98       8.95     612.87


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267236.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1240.61  762.73 1413.08     760 1922.25     760 2319.36   764.4
 2401.93   764.4 2540.35     770 2749.47     770 2839.13   766.2 3145.81  745.15
  3676.6  723.27 3934.97  715.01 4542.21  701.54 4645.52  701.93 4777.47  703.32
 5568.68  692.44 5766.74  695.22 6011.79   685.6 6050.25   684.4  6725.8   684.4
 6973.17  676.13 7227.69  658.14 7328.06   654.4 7423.57   654.4 7548.35  659.91
  7822.7  690.32 7883.94   694.4 8067.17  683.21  8123.3  683.21 8162.77   682.2
 8295.22   685.3 8375.65  689.24 8505.34  698.61 8743.34  709.74 9133.69  718.81
 9370.71  718.81 9393.07  718.05 9536.02  710.74 9648.43  708.8110512.92  705.64
10849.83  689.8111159.21  665.3911188.09  658.7611344.43  653.1911590.78  657.22
11656.13  660.6212097.28   698.512437.29     71012947.01   714.412955.68   714.6
13139.04  711.3413367.95   699.613433.67   698.913556.26   706.513742.38     720
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14114.23     72014171.58  716.5614261.02  712.0814542.52  714.8714736.21  726.36
14809.94     73015241.24     73015782.12  716.7915968.05  696.6415985.21  693.04
16134.35  672.6516332.52  637.5716354.17  635.9116606.37  624.2217046.53  616.22
17160.47   615.619531.11   615.619751.28     62020126.28     62020531.44  606.79
 20702.2  606.79 20795.8  601.1921046.75   595.621586.06  590.0821593.46  589.28
 21631.3     58021685.34  572.6121754.61  568.0821823.89  565.1121997.84  574.28
 22029.8     58022111.72  627.5322172.43  633.7222375.35  662.9722437.45   667.3
22726.55  664.0222803.65  666.1323661.97  715.7823949.76  724.5524384.59   733.4
24640.45  741.1924872.98  733.0125398.13  710.1225435.49  707.4125716.89  696.87
25868.66  708.2325916.38  713.5825966.34  713.5826218.98  717.9926597.71  719.01
26749.01  721.6527010.17   737.427518.04  746.27 27731.9  745.1628119.47  736.38
28506.78  723.2628564.61  722.6129295.81  729.7529364.47  731.1930420.68  731.19
30793.54   735.632267.12  722.3932751.31  726.7933513.17  726.7934446.99  721.19
34617.56  721.1934980.05  725.4835090.73   725.835470.55  722.3935892.53  722.39
36445.69     70036451.53  698.5436602.77  639.6936766.62  616.7936791.65  617.58
36906.31  624.3237389.45  641.8737819.91  686.2637911.46  693.21 38353.8  694.49
38503.17  683.7238559.07  683.8838945.51  707.39 39436.5  719.1639741.52   725.6
40225.28  727.8840607.59  738.49 40835.5  739.5640927.82  738.5341390.06  731.19
42001.34     74042353.12  734.7142680.78  735.3942809.91  733.4542880.45  730.89
42985.48  728.6743338.02  727.1343508.53     730 43595.7     73044625.51  717.92
44721.63  714.2344942.19  708.3745174.31   706.645256.73   704.445463.93   704.4
 45491.5  705.1745665.34  707.9345943.84   704.646598.52  685.9846737.16  683.69
46960.54  685.6147079.07  688.5947613.12   719.9 47914.6  731.0448892.39  739.17
49062.36  741.1449549.88   748.849682.97  752.9550544.52     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21631.3     .15 22029.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21631.3 22029.8             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.29    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.14    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1553395.00   75066.91   1182747.00
  E.G. Slope (ft/ft)      0.000303    Area (sq ft)            1553395.00   75066.91   1182747.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5095240.00   424094.40   2483799.00
  Top Width (ft)          46854.20    Top Width (ft)          18689.26     398.50   27766.45
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.28       5.65       2.10
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.12     188.37      42.60
  Conv. Total (cfs)       460011200.0    Conv. (cfs)             292868700.0   24376480.0   142766000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18709.02     399.96   27806.63
  Min Ch El (ft)            565.11    Shear (lb/sq ft)            1.57       3.55       0.80
  Alpha                       1.22    Stream Power (lb/ft s)      5.15      20.04       1.69
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    33530.04    1676.88   24828.21
  C & E Loss (ft)             0.00    Cum SA (acres)            403.84       8.90     609.69


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267231.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1240.64  762.74 1413.11     760 1922.29     760 2319.41  764.38
 2401.98  764.38 2540.41     770 2749.53     770  2839.2  766.19 3145.88  745.12
 3676.68  723.28 3935.06  715.03 4542.31  701.55 4645.63  701.92 4777.57  703.29
 5568.81   692.4 5766.87  695.15 6011.93  685.57 6050.38  684.38 6725.95  684.38
 6973.32  676.07 7227.86  658.09 7328.22  654.38 7423.74  654.38 7548.52  659.86
 7822.87  690.28 7884.12  694.38 8067.35  683.14 8123.48  683.14 8162.96  682.13
  8295.4  685.28 8375.83  689.24 8505.53  698.62 8743.54  709.74 9133.89  718.76
 9370.92  718.76 9393.28     718 9536.23  710.69 9648.64  708.7610513.15  705.61
10850.08  689.7311159.46   665.311188.34  658.6611344.69  653.1211591.04  657.25
11656.39  660.6712097.55  698.5612437.57     710 12947.3  714.3812955.97  714.58
13139.33  711.2613368.25  699.4913433.97   698.813556.56  706.4513742.69     720
14114.55     720 14171.9  716.5814261.33  712.1314542.84  714.9314736.54  726.38
14810.27     73015241.58     73015782.48  716.86 15968.4  696.8115985.56  693.23
16134.71  672.7916332.88  637.6316354.54  635.9716606.74  624.2517046.91  616.24
17160.85  615.6219531.54  615.6219751.72     62020126.73     620 20531.9  606.86
20702.66  606.8620796.27  601.2421047.22  595.6221586.54  590.0821593.94  589.28
21631.79     58021685.95   572.621755.38  568.0721824.82  565.1121998.52  574.29
22030.44     58022112.37  627.65 22173.1  633.8122376.06  662.9922438.17  667.31
22727.33  663.9422804.44  666.0423662.94  715.6823950.78  724.49 24385.7  733.41
24641.61  741.2424874.19  733.0225399.44  710.0825436.82  707.3725718.27  696.89
25870.07  708.3525917.79  713.7225967.77  713.7226220.46  718.1126599.26  719.07
26750.59  721.69 27011.8  737.4727519.77  746.2927733.69  745.1428121.33  736.32
28508.72  723.1928566.55  722.55 29297.9  729.7929366.58  731.24   30423  731.24
30795.94  735.6232269.81  722.48 32754.1  726.8633516.11  726.8634450.12  721.24
34620.72  721.2434983.29  725.5535093.99  725.8735473.88  722.4835895.95  722.48
36449.21     70036455.06  698.5436606.33  639.6436770.21  616.8636795.25  617.65
36909.93  624.3737393.17  641.9637823.72  686.2337915.28  693.1438357.71  694.41
38507.11   683.638563.02  683.7638949.54  707.3539440.62  719.1639745.71  725.62
40229.56  727.9140611.95  738.4840839.91  739.5640932.25  738.5441394.58  731.24
42005.98     74042357.84  734.7442685.56  735.4742814.72  733.5442885.26  730.98
42990.32  728.7543342.93  727.1443513.47     73043600.66     73044630.68  717.98
44726.82  714.2944947.42   708.445179.59  706.5845262.03  704.3845469.26  704.38
45496.84  705.1545670.71  707.9445949.28  704.6346604.09     68646742.75   683.7
46966.18  685.5847084.73  688.5547618.88  719.8647920.43  731.0348898.41  739.17
49068.41  741.1349556.03  748.7949689.16  752.9350550.87     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521631.79     .1522030.44     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21631.7922030.44             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.29    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.13    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1553451.00   75094.95   1182451.00
  E.G. Slope (ft/ft)      0.000303    Area (sq ft)            1553451.00   75094.95   1182451.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5096091.00   424307.90   2482734.00
  Top Width (ft)          46860.85    Top Width (ft)          18689.89     398.65   27772.31
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.28       5.65       2.10
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  Max Chl Dpth (ft)          194.02    Hydr. Depth (ft)           83.12     188.37      42.58
  Conv. Total (cfs)        459951400.0    Conv. (cfs)            292879600.0   24385580.0   142686200.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18709.67     400.11   27812.55
  Min Ch El (ft)             565.11    Shear (lb/sq ft)            1.57       3.55       0.80
  Alpha                        1.22    Stream Power (lb/ft s)      5.15      20.04       1.69
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    33352.09    1668.28   24692.74
  C & E Loss (ft)              0.00    Cum SA (acres)            401.70       8.85     606.51


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267226.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1240.67  762.76 1413.14     760 1922.33     760 2319.47  764.36
 2402.04  764.36 2540.46     770 2749.59     770 2839.26  766.17 3145.95  745.09
 3676.76   723.3 3935.15  715.05 4542.41  701.56 4645.73  701.91 4777.68  703.27
 5568.93  692.37    5767  695.09 6012.06  685.54 6050.52  684.36  6726.1  684.36
 6973.48  676.01 7228.02  658.05 7328.39  654.36  7423.9  654.36 7548.69   659.8
 7823.05  690.24 7884.29  694.36 8067.53  683.07 8123.66  683.07 8163.14  682.07
 8295.59  685.26 8376.02  689.23 8505.72  698.63 8743.73  709.74 9134.09  718.71
 9371.13  718.71 9393.49  717.95 9536.44  710.63 9648.86  708.7110513.39  705.58
10850.32  689.6411159.71  665.2211188.59  658.5611344.94  653.05 11591.3  657.28
11656.65  660.7112097.82  698.6212437.85     71012947.59  714.3612956.26  714.55
13139.62  711.1813368.55  699.3913434.27   698.713556.86  706.3913742.99     720
14114.86     72014172.21   716.614261.65  712.1814543.17     71514736.87   726.4
 14810.6     73015241.92     73015782.83  716.9315968.76  696.9915985.92  693.41
16135.07  672.9416333.25   637.7 16354.9  636.0416607.11  624.2817047.29  616.26
17161.24  615.6419531.98  615.6419752.16     62020127.18     62020532.36  606.93
20703.12  606.9320796.73  601.2921047.69  595.6421587.02  590.0821594.42  589.29
21632.27     58021686.56  572.5821756.16  568.0521825.76   565.121999.21  574.31
22031.08     58022113.03  627.7722173.77  633.8922376.77     66322438.89  667.33
22728.11  663.8722805.24  665.9623663.91  715.5823951.81  724.4224386.81  733.43
24642.77  741.2924875.39  733.0325400.76  710.0425438.14  707.3325719.65  696.91
25871.48  708.4625919.21  713.86 25969.2  713.8626221.93  718.2326600.82  719.12
26752.18  721.7427013.44  737.5427521.51  746.3127735.47  745.1228123.19  736.27
28510.66  723.12 28568.5  722.48   29300  729.8329368.69  731.2930425.33  731.29
30798.33  735.64 32272.5  722.5832756.88  726.9333519.05  726.9334453.24  721.29
34623.89  721.2934986.52  725.6135097.25  725.9535477.21  722.5835899.36  722.58
36452.74     70036458.59  698.5336609.89  639.5836773.81  616.9336798.85  617.71
36913.55  624.4337396.89  642.0537827.52  686.19 37919.1  693.0738361.62  694.33
38511.05  683.4738566.97  683.6338953.57  707.3139444.75  719.1639749.89  725.64
40233.85  727.9540616.31  738.4840844.32  739.5640936.68  738.55 41399.1  731.29
42010.62     74042362.55  734.7742690.34  735.5442819.52  733.6242890.08  731.07
42995.15  728.8243347.84  727.1643518.41     73043605.62     73044635.85  718.05
   44732  714.3544952.65  708.4445184.86  706.5745267.32  704.36 45474.6  704.36
45502.18  705.1345676.09  707.9545954.71  704.6646609.65  686.0346748.34  683.72
46971.81  685.5547090.39   688.547624.65  719.8247926.25  731.0348904.43  739.16
49074.47  741.1349562.19  748.7949695.34  752.9150557.22     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521632.27     .1522031.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21632.2722031.08             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.29    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.13    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                       Flow Area (sq ft)       1553491.00   75126.34   1182116.00
  E.G. Slope (ft/ft)       0.000303    Area (sq ft)            1553491.00   75126.34   1182116.00
  Q Total (cfs)            8003133.00    Flow (cfs)             5096975.00   424557.40   2481601.00
  Top Width (ft)           46867.60    Top Width (ft)          18690.63     398.81   27778.16
  Vel Total (ft/s)             2.85    Avg. Vel. (ft/s)            3.28       5.65       2.10
  Max Chl Dpth (ft)          194.03    Hydr. Depth (ft)           83.12     188.38      42.56
  Conv. Total (cfs)        459878900.0    Conv. (cfs)            292884200.0   24396070.0   142598600.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18710.43     400.27   27818.46
  Min Ch El (ft)             565.10    Shear (lb/sq ft)            1.57       3.55       0.80
  Alpha                        1.22    Stream Power (lb/ft s)      5.15      20.05       1.69
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    33174.13    1659.68   24557.31
  C & E Loss (ft)              0.00    Cum SA (acres)            399.56       8.81     603.33


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267221.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1240.7  762.77 1413.17     760 1922.37     760 2319.52  764.33
 2402.09  764.33 2540.52     770 2749.66     770 2839.32  766.15 3146.02  745.06
 3676.84  723.31 3935.24  715.07 4542.52  701.56 4645.83   701.9 4777.79  703.24
 5569.06  692.34 5767.12  695.03  6012.2  685.51 6050.65  684.33 6726.25  684.33
 6973.64  675.95 7228.18  658.01 7328.55  654.33 7424.07  654.33 7548.86  659.75
 7823.22   690.2 7884.47  694.33 8067.71     683 8123.84     683 8163.32     682
 8295.77  685.24 8376.21  689.23 8505.91  698.63 8743.92  709.74  9134.3  718.67
 9371.34  718.67  9393.7   717.9 9536.65  710.57 9649.07  708.6710513.62  705.55
10850.56  689.5611159.96  665.1411188.84  658.4611345.19  652.9811591.56  657.31
11656.91  660.7612098.09  698.6812438.13     71012947.88  714.3312956.54  714.53
13139.91   711.113368.84  699.2913434.57   698.613557.17  706.33 13743.3     720
14115.18     72014172.53  716.6114261.97  712.2314543.49  715.06 14737.2  726.42
14810.93     73015242.26     73015783.18     71715969.12  697.1715986.28  693.59
16135.43  673.0816333.61  637.7716355.27  636.1116607.48  624.3117047.67  616.28
17161.62  615.6719532.41  615.67 19752.6     62020127.63     62020532.81     607
20703.58     607 20797.2  601.3321048.16  595.67 21587.5  590.0821594.91  589.29
21632.75     58021687.17  572.5721756.93  568.04 21826.7   565.121999.89  574.33
22031.72     58022113.68  627.8922174.43  633.9822377.48  663.0122439.61  667.34
22728.89  663.7922806.03  665.8723664.88  715.4823952.83  724.3624387.92  733.44
24643.94  741.33 24876.6  733.0525402.07     71025439.46  707.2925721.03  696.92
25872.89  708.5825920.63     71425970.63     71426223.41  718.3426602.37  719.18
26753.76  721.7827015.08   737.627523.25  746.3327737.25   745.128125.05  736.21
 28512.6  723.0528570.45  722.41 29302.1  729.88 29370.8  731.3330427.65  731.33
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30800.73  735.6732275.19  722.6732759.67     72733521.99     72734456.37  721.33
34627.05  721.3334989.76  725.68 35100.5  726.0235480.55  722.6735902.78  722.67
36456.27     70036462.12  698.5236613.45  639.53 36777.4     61736802.45  617.78
36917.18  624.4937400.61  642.1437831.32  686.1637922.92     69338365.53  694.25
38514.99  683.3438570.92   683.538957.59  707.2739448.88  719.1539754.08  725.67
40238.13  727.9840620.67  738.4740848.73  739.56 40941.1  738.5641403.62  731.33
42015.27     74042367.26   734.842695.11  735.6242824.32  733.71 42894.9  731.16
42999.99   728.943352.75  727.1843523.36     73043610.59     73044641.02  718.11
44737.19  714.4144957.88  708.4745190.14  706.5545272.61  704.3345479.93  704.33
45507.52  705.1145681.46  707.9645960.14  704.6946615.21  686.0546753.93  683.74
46977.45  685.5247096.05  688.4647630.41  719.7847932.08  731.0248910.45  739.16
49080.52  741.1249568.34  748.7849701.52   752.950563.58     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521632.75     .1522031.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21632.7522031.72             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.29    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.13    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1553519.00   75155.20   1181843.00
  E.G. Slope (ft/ft)      0.000303    Area (sq ft)            1553519.00   75155.20   1181843.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5097705.00   424777.10   2480651.00
  Top Width (ft)          46874.18    Top Width (ft)          18691.36     398.97   27783.85
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.28       5.65       2.10
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.11     188.37      42.54
  Conv. Total (cfs)       459814300.0    Conv. (cfs)            292885000.0   24405270.0   142524000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18711.18     400.43   27824.22
  Min Ch El (ft)            565.10    Shear (lb/sq ft)            1.57       3.55       0.80
  Alpha                       1.22    Stream Power (lb/ft s)      5.15      20.06       1.69
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    32996.17    1651.07   24421.91
  C & E Loss (ft)             0.00    Cum SA (acres)            397.42       8.76     600.14


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267216.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1240.72  762.78  1413.2     760 1922.42     760 2319.57  764.31
 2402.14  764.31 2540.58     770 2749.72     770 2839.39  766.14 3146.09  745.04
 3676.93  723.33 3935.33  715.09 4542.62  701.57 4645.94  701.89 4777.89  703.21
 5569.18  692.31 5767.25  694.97 6012.33  685.48 6050.79  684.31  6726.4  684.31
 6973.79  675.89 7228.34  657.97 7328.71  654.31 7424.23  654.31 7549.02   659.7
  7823.4  690.15 7884.65  694.31 8067.89  682.93 8124.02  682.93  8163.5  681.94
 8295.96  685.22 8376.39  689.23  8506.1  698.64 8744.12  709.74  9134.5  718.62
 9371.55  718.62 9393.91  717.85 9536.87  710.52 9649.29  708.6210513.86  705.52
 10850.8  689.4811160.21  665.0611189.09  658.3611345.45  652.9111591.82  657.34
11657.17   660.812098.36  698.75 12438.4     71012948.17  714.3112956.83   714.5
13140.21  711.0313369.14  699.1813434.87   698.513557.47  706.2813743.61     720
14115.49     72014172.84  716.6314262.29  712.2814543.81  715.1214737.53  726.44
14811.26     730 15242.6     73015783.53  717.0715969.47  697.3515986.63  693.77
16135.79  673.2316333.98  637.8316355.63  636.1716607.85  624.3417048.05   616.3
   17162  615.6919532.85  615.6919753.04     62020128.08     62020533.27  607.07
20704.04  607.0720797.66  601.3821048.63  595.6921587.99  590.0821595.39   589.3
21633.23     58021687.78  572.5621757.71  568.0321827.63   565.122000.58  574.35
22032.36     58022114.34  628.01 22175.1  634.0622378.19  663.0222440.33  667.35
22729.67  663.7222806.83  665.7823665.84  715.3823953.86  724.2924389.03  733.45
 24645.1  741.3824877.81  733.0625403.39  709.9625440.78  707.2525722.41  696.94
 25874.3   708.725922.05  714.1525972.06  714.1526224.89  718.4626603.93  719.24
26755.35  721.8327016.72  737.6727524.99  746.3527739.03  745.0828126.91  736.15
28514.53  722.98 28572.4  722.3429304.19  729.9229372.91  731.3830429.97  731.38
30803.12  735.6932277.88  722.7632762.46  727.0733524.93  727.07 34459.5  721.38
34630.21  721.38   34993  725.7435103.76   726.135483.88  722.76 35906.2  722.76
 36459.8     70036465.65  698.5236617.01  639.4836780.99  617.0736806.04  617.84
 36920.8  624.5537404.32  642.2337835.13  686.1337926.74  692.9338369.44  694.18
38518.93  683.2238574.87  683.3838961.62  707.2339453.01  719.1539758.27  725.69
40242.42  728.0140625.04  738.4640853.13  739.5640945.53  738.5741408.14  731.38
42019.91     74042371.97  734.8342699.89   735.742829.13   733.842899.71  731.24
43004.83  728.9843357.66  727.19 43528.3     73043615.55     73044646.18  718.18
44742.38  714.4744963.12  708.5145195.42  706.5445277.91  704.3145485.27  704.31
45512.86  705.0945686.84  707.9745965.57  704.7246620.77  686.0846759.53  683.75
46983.08  685.4947101.71  688.4147636.18  719.73 47937.9  731.0248916.48  739.16
49086.58  741.11 49574.5  748.78 49707.7  752.8850569.93     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521633.23     .1522032.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21633.2322032.36             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.28    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.13    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1553551.00   75183.70   1181532.00
  E.G. Slope (ft/ft)      0.000303    Area (sq ft)            1553551.00   75183.70   1181532.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5098545.00   424999.70   2479588.00
  Top Width (ft)          46880.77    Top Width (ft)          18691.94     399.13   27789.70
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.28       5.65       2.10
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.11     188.37      42.52
  Conv. Total (cfs)       459744700.0    Conv. (cfs)            292888900.0   24414350.0   142441400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18711.78     400.59   27830.12
  Min Ch El (ft)            565.10    Shear (lb/sq ft)            1.57       3.55       0.80
  Alpha                       1.22    Stream Power (lb/ft s)      5.15      20.07       1.69
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    32818.21    1642.46   24286.54
  C & E Loss (ft)             0.00    Cum SA (acres)            395.28       8.72     596.96


CROSS SECTION
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RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267211.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1240.75  762.79 1413.23     760 1922.46     760 2319.62  764.29
   2402.2  764.29 2540.63     770 2749.78     770 2839.45  766.12 3146.16  745.01
  3677.01  723.34 3935.41  715.12 4542.72  701.57 4646.04  701.88    4778  703.18
   5569.3  692.28 5767.38  694.91 6012.46  685.45 6050.92  684.29 6726.55  684.29
  6973.95  675.84  7228.5  657.92 7328.88  654.29  7424.4  654.29 7549.19  659.65
  7823.57  690.11 7884.82  694.29 8068.07  682.86 8124.21  682.86 8163.68  681.87
  8296.14   685.2 8376.58  689.22 8506.29  698.65 8744.32  709.74  9134.7  718.57
  9371.75  718.57 9394.12   717.8 9537.08  710.46  9649.5  708.5710514.09  705.49
 10851.04  689.3911160.46  664.9811189.34  658.26 11345.7  652.8411592.08  657.37
 11657.43  660.8512098.63  698.8112438.68     71012948.46  714.2912957.12  714.48
  13140.5  710.9513369.44  699.0813435.17   698.413557.77  706.2213743.91     720
 14115.81     72014173.16  716.6514262.61  712.3314544.14  715.1814737.86  726.46
 14811.59     73015242.94     73015783.88  717.1415969.83  697.5215986.99  693.95
 16136.15  673.3716334.34   637.9   16356  636.2416608.22  624.3717048.43  616.32
 17162.38  615.7119533.29  615.7119753.48     62020128.52     62020533.73  607.14
 20704.51  607.1420798.12  601.43 21049.1  595.7121588.47  590.0821595.87   589.3
 21633.71     58021688.39  572.5421758.48  568.0221828.57   565.122001.27  574.37
    22033     580   22115  628.1322175.77  634.15 22378.9  663.0422441.05  667.37
 22730.45  663.6422807.62   665.723666.81  715.2723954.88  724.2324390.14  733.47
 24646.26  741.4324879.02  733.07 25404.7  709.91 25442.1  707.2125723.78  696.96
 25875.71  708.8225923.47  714.2925973.48  714.2926226.37  718.5826605.48   719.3
 26756.93  721.8727018.36  737.7427526.73  746.3727740.81  745.0628128.77   736.1
 28516.47  722.9128574.35  722.2829306.29  729.9629375.02  731.4330432.29  731.43
 30805.52  735.7132280.57  722.8632765.25  727.1433527.87  727.1434462.62  721.43
 34633.37  721.4334996.23  725.8135107.02  726.1835487.21  722.8635909.61  722.86
 36463.33     70036469.18  698.5136620.57  639.4336784.59  617.1436809.64  617.91
 36924.42  624.6137408.04  642.3237838.93  686.0937930.57  692.8638373.35   694.1
 38522.88  683.0938578.82  683.2538965.65  707.1939457.13  719.1539762.46  725.71
  40246.7  728.04 40629.4  738.4640857.54  739.5640949.95  738.5741412.66  731.43
 42024.55     74042376.69  734.8642704.67  735.7842833.93  733.8942904.54  731.33
 43009.67  729.0643362.57  727.2143533.24     73043620.51     73044651.35  718.24
 44747.56  714.5344968.35  708.54 45200.7  706.52 45283.2  704.2945490.61  704.29
 45518.21  705.0745692.22  707.98   45971  704.7546626.34   686.146765.12  683.77
 46988.72  685.4647107.37  688.3647641.95  719.6947943.73  731.01 48922.5  739.15
 49092.64  741.1149580.65  748.7749713.88  752.8750576.29     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1521633.71     .15   22033     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21633.71   22033             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.28    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.13    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1553599.00   75213.26   1181212.00
  E.G. Slope (ft/ft)      0.000303    Area (sq ft)            1553599.00   75213.26   1181212.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5099417.00   425227.80   2478489.00
  Top Width (ft)          46887.36    Top Width (ft)          18692.68     399.29   27795.39
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.28       5.65       2.10
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.11     188.37      42.50
  Conv. Total (cfs)       459677600.0    Conv. (cfs)            292896300.0   24423900.0   142357500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18712.53     400.75   27835.87
  Min Ch El (ft)            565.10    Shear (lb/sq ft)            1.57       3.55       0.80
  Alpha                       1.22    Stream Power (lb/ft s)      5.16      20.08       1.68
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    32640.24    1633.85   24151.21
  C & E Loss (ft)             0.00    Cum SA (acres)            393.14       8.67     593.78


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267206.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1240.78   762.8 1413.26     760  1922.5     760 2319.67  764.26
  2402.25  764.26 2540.69     770 2749.84     770 2839.51  766.11 3146.23  744.98
  3677.09  723.35  3935.5  715.14 4542.82  701.58 4646.14  701.87  4778.1  703.15
  5569.43  692.25 5767.51  694.85  6012.6  685.42 6051.06  684.26  6726.7  684.26
   6974.1  675.78 7228.66  657.88 7329.04  654.26 7424.56  654.26 7549.36  659.59
  7823.74  690.07    7885  694.26 8068.25  682.79 8124.39  682.79 8163.87  681.81
  8296.33  685.18 8376.77  689.22 8506.48  698.65 8744.51  709.75 9134.91  718.52
  9371.96  718.52 9394.33  717.75 9537.29   710.4 9649.72  708.5210514.33  705.46
 10851.29  689.31 11160.7   664.911189.59  658.1611345.95  652.7711592.33   657.4
 11657.69  660.89 12098.9  698.8712438.96     71012948.74  714.2612957.41  714.45
 13140.79  710.8713369.74  698.9713435.47   698.313558.07  706.1613744.22     720
 14116.12     72014173.48  716.6714262.92  712.3814544.46  715.2414738.18  726.47
 14811.92     73015243.28     73015784.24  717.2115970.18   697.715987.35  694.13
 16136.51  673.5216334.71  637.9616356.36  636.3116608.59   624.417048.81  616.34
 17162.77  615.7419533.72  615.7419753.92     62020128.97     62020534.19  607.21
 20704.97  607.2120798.59  601.4821049.57  595.7421588.95  590.0821596.35   589.3
  21634.2     580   21689  572.5321759.25  568.0121829.51   565.122001.95  574.38
 22033.64     58022115.65  628.2522176.44  634.2422379.61  663.0522441.77  667.38
 22731.23  663.5722808.41  665.6123667.77  715.17 23955.9  724.1624391.25  733.48
 24647.42  741.4824880.23  733.0825406.02  709.8725443.43  707.1725725.16  696.97
 25877.12  708.9425924.89  714.4325974.91  714.4326227.85   718.726607.04  719.36
 26758.52  721.9127019.99   737.827528.47  746.39 27742.6  745.0428130.62  736.04
 28518.41  722.84 28576.3  722.2129308.38     73029377.12  731.4830434.61  731.48
 30807.92  735.7432283.26  722.9532768.04  727.2133530.81  727.2134465.75  721.48
 34636.53  721.4834999.46  725.8735110.27  726.2535490.54  722.9535913.03  722.95
 36466.86     70036472.71  698.5136624.12  639.3836788.18  617.2136813.24  617.98
 36928.04  624.6737411.76  642.4237842.73  686.0637934.39  692.7938377.26  694.02
 38526.81  682.9738582.78  683.1238969.68  707.1539461.26  719.1439766.65  725.74
 40250.99  728.0840633.76  738.4540861.95  739.5540954.38  738.5841417.18  731.48
 42029.19     740 42381.4  734.8842709.45  735.8542838.74  733.9842909.35  731.42
 43014.51  729.1443367.48  727.2243538.19     73043625.47     73044656.52   718.3
 44752.75  714.5944973.58  708.5845205.97  706.51 45288.5  704.2645495.94  704.26
 45523.55  705.0545697.59  707.9945976.43  704.78 46631.9  686.1346770.71  683.78
 46994.35  685.4347113.03  688.3247647.71  719.6547949.56     73148928.52  739.15
  49098.7   741.1 49586.8  748.7749720.06  752.8550582.64     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21634.2     .1522033.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21634.222033.64             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.28    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.13    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1553634.00   75241.74   1180911.00
  E.G. Slope (ft/ft)      0.000303    Area (sq ft)            1553634.00   75241.74   1180911.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5100233.00   425451.30   2477449.00
  Top Width (ft)          46894.01    Top Width (ft)          18693.32     399.44   27801.25
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.28       5.65       2.10
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.11     188.37      42.48
  Conv. Total (cfs)       459610300.0    Conv. (cfs)            292900200.0   24433160.0   142276900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18713.19     400.90   27841.79
  Min Ch El (ft)            565.10    Shear (lb/sq ft)            1.57       3.55       0.80
  Alpha                       1.22    Stream Power (lb/ft s)      5.16      20.09       1.68
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    32462.26    1625.23   24015.91
  C & E Loss (ft)             0.00    Cum SA (acres)            391.00       8.63     590.59


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267201.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1240.81  762.81  1413.3     760 1922.55     760 2319.73  764.24
  2402.3  764.24 2540.75    770  2749.9     770 2839.58  766.09  3146.3  744.96
 3677.17  723.37 3935.59  715.16 4542.92  701.59 4646.25  701.86 4778.21  703.13
 5569.55  692.21 5767.64  694.78 6012.73  685.39 6051.19  684.24 6726.85  684.24
 6974.26  675.72 7228.82  657.84 7329.21  654.24 7424.73  654.24 7549.53  659.54
 7823.92  690.03 7885.17  694.24 8068.43  682.72 8124.57  682.72 8164.05  681.74
 8296.51  685.16 8376.95  689.22 8506.67  698.66 8744.71  709.75 9135.11  718.48
 9372.17  718.48 9394.53   717.7  9537.5  710.34 9649.94  708.4810514.56  705.43
10851.53  689.2211160.95  664.8111189.84  658.0611346.21  652.6911592.59  657.44
11657.95  660.9412099.17  698.9312439.24     71012949.03  714.24 12957.7  714.43
13141.09  710.7913370.04  698.8713435.77   698.213558.38  706.1113744.52     720
14116.44     72014173.79  716.6914263.24  712.4314544.79  715.3114738.51  726.49
14812.25     73015243.62     73015784.59  717.2815970.54  697.88 15987.7  694.31
16136.87  673.6716335.07  638.0316356.73  636.3716608.96  624.4417049.19  616.36
17163.15  615.7619534.16  615.7619754.36     62020129.42     62020534.64  607.28
20705.43  607.2820799.05  601.5221050.04  595.7621589.43  590.0821596.83  589.31
21634.68     58021689.61  572.5121760.03     56821830.45   565.122002.64   574.4
22034.28     58022116.31  628.3722177.11  634.3222380.31  663.0622442.49   667.4
22732.01   663.522809.21  665.5323668.74  715.0723956.93   724.124392.36   733.5
24648.58  741.5224881.44   733.125407.33  709.8325444.75  707.1325726.54  696.99
25878.53  709.06 25926.3  714.5725976.34  714.5726229.33  718.8126608.59  719.42
 26760.1  721.9627021.63  737.8727530.21  746.4127744.38  745.0228132.49  735.98
28520.35  722.7728578.25  722.1429310.48  730.0429379.23  731.5230436.93  731.52
30810.31  735.7632285.96  723.0432770.82  727.2833533.75  727.2834468.88  721.52
 34639.7  721.52 35002.7  725.9435113.53  726.3335493.88  723.0435916.45  723.04
36470.38     70036476.24   698.536627.69  639.3336791.77  617.2836816.84  618.04
36931.66  624.7337415.48  642.5137846.54  686.0337938.21  692.7238381.17  693.95
38530.75  682.8438586.73  682.9938973.71  707.1139465.39  719.1439770.84  725.76
40255.27  728.1140638.12  738.4440866.36  739.5540958.81  738.59 41421.7  731.52
42033.83     74042386.11  734.9142714.22  735.9342843.54  734.0642914.17  731.51
43019.35  729.2143372.39  727.2443543.13     73043630.43     73044661.68  718.37
44757.94  714.6544978.81  708.6145211.25   706.545293.79  704.2445501.27  704.24
45528.89  705.0345702.97     70845981.87   704.846637.46  686.15 46776.3   683.8
46999.99   685.447118.69  688.2747653.48  719.6147955.38     73148934.55  739.15
49104.75   741.149592.96  748.7649726.24  752.8450588.99     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521634.68     .1522034.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21634.6822034.28             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.28    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.13    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1553662.00   75270.96   1180620.00
  E.G. Slope (ft/ft)      0.000303    Area (sq ft)            1553662.00   75270.96   1180620.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5101005.00   425677.60   2476451.00
  Top Width (ft)          46900.54    Top Width (ft)          18694.00     399.60   27806.94
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.28       5.66       2.10
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.11     188.37      42.46
  Conv. Total (cfs)       459543500.0    Conv. (cfs)            292902000.0   24442600.0   142198900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18713.89     401.05   27847.53
  Min Ch El (ft)            565.10    Shear (lb/sq ft)            1.57       3.55       0.80
  Alpha                       1.22    Stream Power (lb/ft s)      5.16      20.10       1.68
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    32284.28    1616.61   23880.65
  C & E Loss (ft)             0.00    Cum SA (acres)            388.85       8.58     587.41


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267196.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1240.83  762.82 1413.33     760 1922.59     760 2319.78  764.22
 2402.36  764.22  2540.8    770 2749.96     770 2839.64  766.07 3146.37  744.93
 3677.25  723.38 3935.68  715.18 4543.02  701.59 4646.35  701.85 4778.32   703.1
 5569.68  692.18 5767.77  694.72 6012.87  685.36 6051.33  684.22    6727  684.22
 6974.41  675.66 7228.98  657.79 7329.37  654.22 7424.89  654.22  7549.7  659.49
```

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 7824.09  689.99 7885.35  694.22 8068.61  682.65 8124.75  682.65 8164.23  681.68
  8296.7  685.14 8377.14  689.21 8506.86  698.67  8744.9  709.75 9135.32  718.43
 9372.38  718.43 9394.74  717.65 9537.72  710.29 9650.15  708.43 10514.8   705.4
10851.77  689.14 11161.2  664.7311190.09  657.9611346.46  652.6211592.85  657.47
11658.21  660.9812099.44  698.9912439.51     71012949.32  714.2212957.99  714.41
13141.38  710.7113370.33  698.7613436.07   698.113558.68  706.0513744.83     720
14116.75     72014174.11  716.7114263.56  712.4914545.11  715.3714738.84  726.51
14812.58     73015243.96     73015784.94  717.35 15970.9  698.0615988.06  694.49
16137.23  673.8116335.43   638.116357.09  636.4416609.33  624.4717049.57  616.38
17163.53  615.7819534.59  615.78 19754.8     62020129.87     620 20535.1  607.35
20705.89  607.3520799.52  601.5721050.51  595.7821589.91  590.0821597.31  589.31
21635.16     58021690.22   572.5 21760.8  567.9921831.38   565.122003.32  574.42
22034.92     58022116.96  628.4922177.77  634.4122381.02  663.0722443.21  667.41
22732.79  663.42   22810  665.4423669.71  714.9723957.95  724.0324393.47  733.51
24649.75  741.5724882.65  733.1125408.64  709.7925446.07  707.0925727.92  697.01
25879.93  709.1725927.72  714.7125977.77  714.7126230.81  718.9326610.15  719.47
26761.69     72227023.27  737.9427531.95  746.4327746.16     74528134.35  735.93
28522.28   722.7 28580.2  722.0829312.57  730.0829381.34  731.5730439.25  731.57
30812.71  735.7832288.64  723.1432773.61  727.35 33536.7  727.3534472.01  721.57
34642.86  721.5735005.93     72635116.79   726.435497.21  723.1435919.87  723.14
36473.91     70036479.77  698.4936631.25  639.2736795.36  617.3536820.43  618.11
36935.28  624.7937419.19   642.637850.34  685.9937942.03  692.6538385.08  693.87
 38534.7  682.7138590.68  682.8738977.74  707.0739469.52  719.1339775.03  725.78
40259.56  728.1440642.48  738.4440870.77  739.5540963.23   738.641426.21  731.57
42038.47     74042390.82  734.94   42719  736.0142848.34  734.1542918.99  731.59
43024.19  729.29 43377.3  727.2543548.07     73043635.39     73044666.85  718.43
44763.12  714.7144984.04  708.6545216.53  706.4845299.09  704.2245506.61  704.22
45534.23  705.0145708.34  708.01 45987.3  704.8346643.03  686.1846781.89  683.81
47005.62  685.3847124.35  688.2347659.25  719.5647961.21  730.9948940.57  739.14
49110.81  741.0949599.11  748.7649732.42  752.8250595.34     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521635.16     .1522034.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21635.1622034.92             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.28    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.12    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1553713.00   75299.83   1180314.00
  E.G. Slope (ft/ft)      0.000303    Area (sq ft)            1553713.00   75299.83   1180314.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5101859.00   425897.50   2475377.00
  Top Width (ft)          46907.28    Top Width (ft)          18694.73     399.76   27812.79
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.28       5.66       2.10
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.11     188.36      42.44
  Conv. Total (cfs)       459479100.0    Conv. (cfs)            292910000.0   24451800.0   142117400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18714.64     401.21   27853.44
  Min Ch El (ft)            565.10    Shear (lb/sq ft)            1.57       3.55       0.80
  Alpha                       1.22    Stream Power (lb/ft s)      5.16      20.11       1.68
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    32106.30    1607.98   23745.42
  C & E Loss (ft)             0.00    Cum SA (acres)            386.71       8.53     584.22


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267191.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1240.86  762.84 1413.36     760 1922.63     760 2319.83  764.19
 2402.41  764.19 2540.86    770 2750.02     770  2839.7  766.06 3146.44   744.9
 3677.34  723.39 3935.76   715.2 4543.12   701.6 4646.45  701.84 4778.42  703.07
  5569.8  692.15  5767.9  694.66    6013  685.33 6051.46  684.19 6727.15  684.19
 6974.57   675.6 7229.15  657.75 7329.53  654.19 7425.06  654.19 7549.87  659.43
 7824.27  689.95 7885.53  694.19 8068.79  682.58 8124.93  682.58 8164.41  681.61
 8296.88  685.12 8377.33  689.21 8507.04  698.68 8745.09  709.75 9135.52  718.38
 9372.59  718.38 9394.95   717.6 9537.93  710.23 9650.37  708.3810515.03  705.37
10852.01  689.0511161.45  664.6511190.33  657.8611346.71  652.5511593.11   657.5
11658.47  661.0212099.71  699.0512439.79     71012949.61  714.1912958.28  714.38
13141.67  710.6313370.63  698.6613436.37     69813558.98  705.9913745.14     720
14117.07     72014174.42  716.7214263.88  712.5414545.44  715.4314739.17  726.53
14812.92     730 15244.3     73015785.29  717.4215971.25  698.2315988.42  694.67
16137.59  673.96 16335.8  638.1616357.46  636.5116609.71   624.517049.95   616.4
17163.92  615.8119535.03  615.8119755.25     62020130.32     62020535.56  607.42
20706.35  607.4220799.98  601.6221050.98  595.8121590.39  590.0821597.79  589.31
21635.64     58021690.83  572.4921761.57  567.9821832.32  565.0922004.01  574.44
22035.56     58022117.62  628.6122178.44   634.522381.73  663.0922443.93  667.43
22733.56  663.35 22810.8  665.3623670.67  714.8723958.98  723.9724394.59  733.53
24650.91  741.6224883.86  733.1225409.96  709.7525447.39  707.05 25729.3  697.02
25881.34  709.2925929.14  714.85 25979.2  714.8526232.29  719.05 26611.7  719.53
26763.27  722.05 27024.9     73827533.69  746.4527747.94  744.9728136.21  735.87
28524.22  722.6328582.15  722.0129314.67  730.1229383.45  731.6230441.57  731.62
 30815.1  735.8132291.34  723.23 32776.4  727.4233539.63  727.4234475.14  721.62
34646.02  721.6235009.17  726.0735120.05  726.4835500.54  723.2335923.29  723.23
36477.44     700 36483.3  698.49 36634.8  639.2236798.96  617.4236824.03  618.17
 36938.9  624.8537422.91  642.6937854.14  685.9637945.86  692.5838388.99  693.79
38538.64  682.5938594.63  682.7438981.77  707.0339473.64  719.1339779.21  725.81
40263.85  728.1840646.85  738.4340875.17  739.5540967.66   738.641430.73  731.62
42043.11     74042395.54  734.9742723.78  736.0942853.15  734.24 42923.8  731.68
43029.03  729.37 43382.2  727.2743553.02     73043640.35     73044672.02   718.5
44768.31  714.7744989.27  708.68 45221.8  706.4745304.38  704.1945511.95  704.19
45539.57  704.9945713.72  708.0345992.73  704.8646648.59   686.246787.48  683.83
47011.26  685.3547130.01  688.1847665.01  719.5247967.04  730.9948946.59  739.14
49116.86  741.0849605.27  748.75 49738.6   752.8 50601.7     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521635.64     .1522035.56     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21635.6422035.56             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.28    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
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  W.S. Elev (ft)            759.12    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1553751.00   75330.02   1179985.00
  E.G. Slope (ft/ft)      0.000303    Area (sq ft)            1553751.00   75330.02   1179985.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5102737.00   426135.50   2474260.00
  Top Width (ft)          46913.93    Top Width (ft)          18695.36     399.92   27818.64
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.28       5.66       2.10
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.11     188.36      42.42
  Conv. Total (cfs)       459408000.0    Conv. (cfs)            292915100.0   24461680.0   142031200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18715.29     401.37   27859.35
  Min Ch El (ft)            565.09    Shear (lb/sq ft)            1.57       3.56       0.80
  Alpha                       1.22    Stream Power (lb/ft s)      5.17      20.11       1.68
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31928.31    1599.36   23610.23
  C & E Loss (ft)             0.00    Cum SA (acres)            384.57       8.49     581.04


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267186.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1240.89  762.85 1413.39     760 1922.67     760 2319.88  764.17
 2402.46  764.17 2540.92    770 2750.08     770 2839.77  766.04 3146.51  744.87
 3677.42  723.41 3935.85  715.22 4543.22  701.61 4646.56  701.83 4778.53  703.04
 5569.92  692.12 5768.02  694.6 6013.13   685.3  6051.6  684.17  6727.3  684.17
 6974.72  675.55 7229.31  657.71  7329.7  654.17 7425.23  654.17 7550.03  659.38
 7824.44  689.91  7885.7  694.17 8068.97  682.51 8125.11  682.51 8164.59  681.55
 8297.07   685.1 8377.51  689.21 8507.24  698.68 8745.29  709.75 9135.72  718.34
  9372.8  718.34 9395.16  717.55 9538.14  710.17 9650.58  708.3410515.26  705.34
10852.25  688.97 11161.7  664.5711190.58  657.7611346.96  652.4811593.37  657.53
11658.73  661.0712099.98  699.1112440.07     710 12949.9  714.1712958.57  714.36
13141.97  710.5613370.93  698.5613436.67   697.913559.28  705.9413745.44     720
14117.38     72014174.74  716.74 14264.2  712.5914545.76  715.49 14739.5  726.55
14813.25     73015244.64     73015785.64  717.4915971.61  698.4115988.77  694.85
16137.95   674.116336.16  638.2316357.82  636.5716610.07  624.5317050.33  616.42
 17164.3  615.8319535.46  615.8319755.69     62020130.77     62020536.02  607.49
20706.81  607.4920800.44  601.6621051.45  595.8321590.88  590.0821598.28  589.32
21636.13     58021691.44  572.4721762.35  567.9721833.26  565.0922004.69  574.46
 22036.2     58022118.27  628.7322179.11  634.5822382.44   663.122444.65  667.44
22734.34  663.2722811.59  665.2723671.64  714.77   23960   723.9 24395.7  733.54
24652.07  741.6624885.07  733.1425411.27  709.7125448.71  707.0125730.67  697.04
25882.75  709.4125930.56  714.9925980.63  714.9926233.77  719.1626613.26  719.59
26764.86  722.0927026.54  738.0727535.43  746.4727749.72  744.9528138.06  735.81
28526.16  722.5628584.09  721.9429316.76  730.1629385.56  731.6630443.89  731.66
 30817.5  735.8332294.03  723.3332779.19  727.4933542.57  727.4934478.27  721.66
34649.18  721.66 35012.4  726.13 35123.3  726.5535503.88  723.33 35926.7  723.33
36480.97     70036486.83  698.4836638.37  639.1736802.55  617.4936827.63  618.24
36942.52  624.9137426.63  642.7837857.95  685.9337949.68  692.5138392.91  693.71
38542.58  682.4638598.58  682.61 38985.8     70739477.77  719.13 39783.4  725.83
40268.13  728.2140651.21  738.4340879.58  739.5540972.09  738.6141435.25  731.66
42047.75     74042400.25     73542728.56  736.1742857.95  734.3342928.62  731.77
43033.86  729.4543387.11  727.2843557.96     73043645.31     73044677.19  718.56
 44773.5  714.83 44994.5  708.7245227.09  706.4545309.67  704.1745517.28  704.17
45544.91  704.97 45719.1  708.0445998.16  704.8946654.15  686.2346793.07  683.84
47016.89  685.3247135.67  688.1447670.78  719.4847972.86  730.9848952.61  739.14
49122.92  741.0849611.42  748.7549744.79  752.7950608.05     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521636.13     .15 22036.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21636.13 22036.2             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.27    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.12    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1553781.00   75357.41   1179689.00
  E.G. Slope (ft/ft)      0.000304    Area (sq ft)            1553781.00   75357.41   1179689.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5103527.00   426353.20   2473254.00
  Top Width (ft)          46920.51    Top Width (ft)          18696.10     400.07   27824.34
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.28       5.66       2.10
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.11     188.36      42.40
  Conv. Total (cfs)       459339400.0    Conv. (cfs)            292916600.0   24470520.0   141952300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18716.06     401.52   27865.12
  Min Ch El (ft)            565.09    Shear (lb/sq ft)            1.57       3.56       0.80
  Alpha                       1.22    Stream Power (lb/ft s)      5.17      20.12       1.68
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31750.32    1590.72   23475.07
  C & E Loss (ft)             0.00    Cum SA (acres)            382.43       8.44     577.85


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267181.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1240.92  762.86 1413.42     760 1922.72     760 2319.93  764.15
 2402.52  764.15 2540.97    770 2750.15     770 2839.83  766.03 3146.58  744.85
  3677.5  723.42 3935.94  715.24 4543.33  701.61 4646.66  701.82 4778.64  703.01
 5570.05  692.09 5768.15  694.54 6013.27  685.27 6051.73  684.15 6727.45  684.15
 6974.88  675.49 7229.47  657.66 7329.86  654.15 7425.39  654.15  7550.2  659.33
 7824.62  689.87 7885.88  694.15 8069.15  682.44 8125.29  682.44 8164.78  681.48
 8297.25  685.08  8377.7  689.21 8507.42  698.69 8745.49  709.75 9135.93  718.29
 9373.01  718.29 9395.37   717.5 9538.36  710.12  9650.8  708.29 10515.5  705.31
 10852.5  688.8811161.95  664.4911190.83  657.6611347.22  652.4111593.63  657.56
11658.99  661.1112100.25  699.1712440.35     71012950.19  714.1512958.86  714.33
13142.26  710.4813371.23  698.4513436.97   697.813559.58  705.8813745.75     720
 14117.7     72014175.06  716.7614264.51  712.6414546.08  715.5614739.83  726.57
14813.58     73015244.98     730   15786  717.5615971.96  698.5915989.13  695.03
16138.31  674.2516336.53  638.2916358.18  636.6416610.45  624.5617050.71  616.44
17164.68  615.85 19535.9  615.8519756.13     62020131.22     62020536.48  607.56
20707.28  607.5620800.91  601.7121051.92  595.8521591.36  590.0821598.76  589.32
21636.61     58021692.04  572.4621763.12  567.9521834.19  565.0922005.38  574.47
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22036.84     58022118.93  628.8422179.78  634.6722383.15  663.1122445.38  667.46
22735.12   663.222812.39  665.1823672.61  714.6723961.03  723.8424396.81  733.55
24653.23  741.7124886.28  733.1525412.59  709.6725450.04  706.9725732.05  697.06
25884.16  709.5325931.98  715.1325982.05  715.1326235.24  719.2826614.81  719.65
26766.44  722.1427028.18  738.1427537.17  746.4927751.51  744.9328139.92  735.75
28528.09  722.4928586.04  721.8829318.86   730.229387.67  731.7130446.21  731.71
30819.89  735.8532296.72  723.4232781.98  727.5633545.52  727.5634481.39  721.71
34652.34  721.7135015.64  726.1935126.56  726.6335507.21  723.4235930.12  723.42
 36484.5     70036490.36  698.4736641.93  639.1236806.14  617.5636831.23  618.31
36946.14  624.9737430.34  642.8737861.75  685.89 37953.5  692.4438396.82  693.64
38546.52  682.3338602.54  682.4938989.83  706.96 39481.9  719.1239787.59  725.85
40272.42  728.2440655.57  738.4240883.99  739.5440976.51  738.6241439.77  731.71
 42052.4     74042404.96  735.0242733.34  736.2442862.75  734.4242933.44  731.86
 43038.7  729.5343392.02   727.343562.91     73043650.27     73044682.36  718.63
44778.68  714.8944999.73  708.7545232.36  706.4445314.96  704.1545522.62  704.15
45550.25  704.9545724.47  708.0546003.59  704.9246659.71  686.2546798.66  683.86
47022.53  685.2947141.33  688.0947676.54  719.4447978.69  730.9848958.64  739.13
49128.98  741.0749617.57  748.7449750.96  752.7750614.41     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521636.61     .1522036.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21636.6122036.84             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.27    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.12    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1553829.00   75388.55   1179388.00
  E.G. Slope (ft/ft)      0.000304    Area (sq ft)            1553829.00   75388.55   1179388.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5104359.00   426589.50   2472185.00
  Top Width (ft)          46927.10    Top Width (ft)          18696.68     400.23   27830.19
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.29       5.66       2.10
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.11     188.36      42.38
  Conv. Total (cfs)       459278000.0    Conv. (cfs)            292925300.0   24480810.0   141871900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18716.66     401.68   27871.02
  Min Ch El (ft)            565.09    Shear (lb/sq ft)            1.57       3.56       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.17      20.13       1.68
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31572.33    1582.09   23339.95
  C & E Loss (ft)             0.00    Cum SA (acres)            380.29       8.40     574.66


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267176.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1240.94  762.87 1413.45     760 1922.76     760 2319.98  764.12
 2402.57  764.12 2541.03     770 2750.21     770 2839.89  766.01 3146.65  744.82
 3677.58  723.43 3936.03  715.26 4543.43  701.62 4646.77  701.81 4778.74  702.99
 5570.17  692.06 5768.28  694.47  6013.4  685.24 6051.87  684.12  6727.6  684.12
 6975.04  675.43 7229.63  657.62 7330.02  654.12 7425.56  654.12 7550.37  659.28
 7824.79  689.83 7886.05  694.12 8069.33  682.37 8125.47  682.37 8164.96  681.42
 8297.44  685.06 8377.89   689.2 8507.61   698.7 8745.68  709.75 9136.13  718.24
 9373.22  718.24 9395.58  717.45 9538.57  710.06 9651.01  708.2410515.73  705.28
10852.74   688.8 11162.2  664.411191.08  657.5611347.47  652.3411593.88  657.59
11659.25  661.1612100.51  699.2412440.62     71012950.48  714.1212959.15  714.31
13142.55   710.413371.53  698.3513437.27   697.713559.89  705.8213746.06     720
14118.01     72014175.37  716.7814264.83  712.6914546.41  715.6214740.16  726.59
14813.91     73015245.32     73015786.35  717.6315972.32  698.7715989.48  695.21
16138.67  674.3916336.89  638.3616358.55  636.7116610.81  624.5917051.09  616.46
17165.06  615.8819536.33  615.8819756.57     62020131.67     62020536.93  607.63
20707.74  607.6320801.37  601.7621052.38  595.8821591.84  590.0821599.24  589.33
21637.09     58021692.66  572.4421763.89  567.9421835.13  565.0922006.06  574.49
22037.47     58022119.59  628.9622180.45  634.7622383.86  663.12 22446.1  667.47
 22735.9  663.1222813.18   665.123673.57  714.5623962.05  723.7724397.92  733.57
 24654.4  741.7624887.49  733.16 25413.9  709.6225451.36  706.9325733.43  697.07
25885.57  709.6525933.39  715.2725983.48  715.2726236.72   719.426616.37  719.71
26768.03  722.1827029.82  738.21 27538.9   746.527753.29  744.9128141.78   735.7
28530.03  722.4228587.99  721.8129320.96  730.2429389.78  731.7630448.54  731.76
30822.29  735.8832299.41  723.5132784.77  727.6333548.46  727.6334484.52  721.76
 34655.5  721.7635018.87  726.2635129.82   726.735510.54  723.5135933.54  723.51
36488.02     70036493.89  698.4736645.48  639.0736809.73  617.6336834.82  618.37
36949.76  625.0337434.06  642.9737865.56  685.8637957.32  692.3738400.73  693.56
38550.46  682.2138606.49  682.3638993.86  706.9239486.03  719.1239791.78  725.88
 40276.7  728.2840659.93  738.41 40888.4  739.5440980.94  738.6341444.29  731.76
42057.04     74042409.67  735.0542738.11  736.3242867.56   734.542938.26  731.94
43043.54   729.643396.93  727.3143567.85     73043655.23     73044687.52  718.69
44783.87  714.9545004.96  708.7945237.64  706.4245320.26  704.1245527.95  704.12
45555.59  704.9345729.85  708.0646009.02  704.9546665.28  686.2846804.25  683.87
47028.16  685.2647146.98  688.0447682.31  719.3947984.52  730.9748964.66  739.13
49135.04  741.0749623.73  748.7449757.14  752.7650620.76     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521637.09     .1522037.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21637.0922037.47             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.27    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.12    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1553853.00   75416.30   1179081.00
  E.G. Slope (ft/ft)      0.000304    Area (sq ft)            1553853.00   75416.30   1179081.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5105160.00   426812.70   2471160.00
  Top Width (ft)          46933.68    Top Width (ft)          18697.41     400.38   27835.89
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.29       5.66       2.10
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.11     188.36      42.36
  Conv. Total (cfs)       459205700.0    Conv. (cfs)            292925100.0   24489760.0   141790800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18717.41     401.83   27876.78
  Min Ch El (ft)            565.09    Shear (lb/sq ft)            1.57       3.56       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.17      20.14       1.68
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31394.33    1573.45   23204.87
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  C & E Loss (ft)             0.00    Cum SA (acres)            378.15       8.35     571.47


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267171.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1240.97  762.88 1413.48     760  1922.8     760 2320.04   764.1
 2402.63   764.1 2541.08     770 2750.27     770 2839.96  765.99 3146.72  744.79
 3677.66  723.45 3936.12  715.28 4543.53  701.63 4646.87   701.8 4778.85  702.96
  5570.3  692.02 5768.41  694.41 6013.54  685.21    6052   684.1 6727.75   684.1
 6975.19  675.37 7229.79  657.58 7330.19   654.1 7425.72   654.1 7550.54  659.22
 7824.97  689.79 7886.23   694.1 8069.51   682.3 8125.65   682.3 8165.14  681.35
 8297.62  685.04 8378.07   689.2  8507.8  698.71 8745.88  709.76 9136.33   718.2
 9373.43   718.2 9395.79   717.4 9538.78     710 9651.23   708.210515.97  705.25
10852.98  688.7211162.45  664.3211191.33  657.4611347.72  652.2711594.14  657.62
11659.51   661.212100.79   699.3 12440.9     71012950.77   714.112959.43  714.28
13142.84  710.3213371.83  698.2413437.57   697.613560.19  705.7713746.36     720
14118.33     72014175.69   716.814265.15  712.7414546.73  715.6814740.48  726.61
14814.24     73015245.66     730 15786.7   717.715972.68  698.9415989.84  695.39
16139.03  674.5416337.25  638.4316358.91  636.7716611.19  624.6217051.47  616.48
17165.45   615.919536.77   615.919757.01     62020132.12     62020537.39   607.7
 20708.2   607.720801.83   601.821052.86   595.921592.32  590.0821599.72  589.33
21637.57     58021693.27  572.4321764.66  567.9321836.06  565.0922006.75  574.51
22038.12     58022120.24  629.0822181.11  634.8422384.56  663.1422446.82  667.48
22736.68  663.0522813.98  665.0123674.54  714.4623963.07  723.7124399.03  733.58
24655.56   741.8 24888.7  733.1725415.21  709.5825452.68  706.8925734.81  697.09
25886.98  709.7625934.81  715.4125984.91  715.41 26238.2  719.5126617.92  719.77
26769.61  722.2327031.46  738.2727540.64  746.5227755.07  744.8928143.64  735.64
28531.97  722.3528589.94  721.7429323.05  730.2829391.89   731.830450.86   731.8
30824.69   735.9 32302.1  723.6132787.55   727.7 33551.4   727.734487.65   721.8
34658.66   721.835022.11  726.3235133.07  726.7835513.88  723.6135936.95  723.61
36491.55     70036497.41  698.4636649.04  639.0236813.33   617.736838.42  618.44
36953.38  625.0937437.78  643.0637869.36  685.8337961.14   692.338404.64  693.48
 38554.4  682.0838610.44  682.2338997.89  706.8839490.16  719.1239795.97   725.9
40280.99  728.31 40664.3  738.41 40892.8  739.5440985.37  738.6441448.81   731.8
42061.68     74042414.38  735.0842742.89   736.442872.36  734.5942943.07  732.03
43048.38  729.6843401.84  727.3343572.79     730 43660.2     73044692.69  718.75
44789.06  715.01 45010.2  708.8245242.92  706.4145325.55   704.145533.29   704.1
45560.93  704.9145735.22  708.0746014.46  704.9846670.84   686.346809.84  683.89
 47033.8  685.2347152.64     68847688.07  719.3547990.34  730.9748970.68  739.13
49141.09  741.0649629.88  748.7349763.33  752.7450627.11     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521637.57     .1522038.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21637.5722038.12             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.27    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.12    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1553894.00   75446.73   1178787.00
  E.G. Slope (ft/ft)      0.000304    Area (sq ft)            1553894.00   75446.73   1178787.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5105961.00   427042.10   2470130.00
  Top Width (ft)          46940.42    Top Width (ft)          18698.14     400.55   27841.74
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.29       5.66       2.10
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.10     188.36      42.34
  Conv. Total (cfs)       459141400.0    Conv. (cfs)            292930000.0   24499490.0   141711900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18718.16     402.00   27882.69
  Min Ch El (ft)            565.09    Shear (lb/sq ft)            1.57       3.56       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.17      20.15       1.68
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31216.32    1564.81   23069.81
  C & E Loss (ft)             0.00    Cum SA (acres)            376.00       8.30     568.28


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267166.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800    1241  762.89 1413.52     760 1922.85     760 2320.09  764.07
 2402.68  764.07 2541.14     770 2750.33     770 2840.02  765.98 3146.79  744.76
 3677.75  723.46  3936.2   715.3 4543.63  701.63 4646.97  701.79 4778.96  702.93
 5570.42  691.99 5768.54  694.35 6013.67  685.18 6052.14  684.07  6727.9  684.07
 6975.35  675.31 7229.95  657.53 7330.35  654.07 7425.89  654.07 7550.71  659.17
 7825.14  689.75 7886.41  694.07 8069.69  682.22 8125.84  682.22 8165.32  681.29
 8297.81  685.02 8378.26   689.2 8507.99  698.71 8746.07  709.76 9136.54  718.15
 9373.64  718.15    9396  717.35 9538.99  709.94 9651.44  708.15 10516.2  705.22
10853.22  688.63 11162.7  664.2411191.58  657.3611347.98   652.2 11594.4  657.65
11659.77  661.2512101.05  699.3612441.18     71012951.05  714.0712959.72  714.26
13143.14  710.2413372.12  698.1413437.87   697.513560.49  705.7113746.67     720
14118.64     720   14176  716.8214265.47  712.7914547.06  715.7414740.81  726.63
14814.57     730   15246     73015787.05  717.7815973.03  699.12 15990.2  695.57
16139.39  674.6816337.62  638.4916359.28  636.8416611.56  624.6517051.85   616.5
17165.83  615.9319537.21  615.9319757.45     62020132.56     62020537.85  607.78
20708.66  607.78 20802.3  601.8521053.32  595.93 21592.8  590.08 21600.2  589.33
21638.06     58021693.88  572.4221765.44  567.92   21837  565.0922007.44  574.53
22038.75     580 22120.9   629.222181.78  634.9322385.27  663.1522447.54   667.5
22737.46  662.9722814.77  664.9323675.51  714.36 23964.1  723.6524400.14   733.6
24656.72  741.85 24889.9  733.1925416.53  709.54   25454  706.8625736.19  697.11
25888.39  709.8825936.23  715.5525986.34  715.5526239.68  719.6326619.47  719.83
 26771.2  722.2727033.09  738.3427542.38  746.5427756.85  744.87 28145.5  735.58
28533.91  722.2728591.89  721.6729325.14  730.32   29394  731.8530453.18  731.85
30827.08  735.9332304.79   723.732790.34  727.7833554.34  727.7834490.78  721.85
34661.83  721.8535025.34  726.3935136.33  726.8635517.21   723.735940.37   723.7
36495.08     70036500.95  698.4636652.61  638.9736816.92  617.7836842.02  618.51
   36957  625.15 37441.5  643.1537873.16  685.7937964.96  692.2238408.55  693.41
38558.34  681.9638614.39  682.1139001.91  706.8439494.28  719.1139800.16  725.93
40285.27  728.3440668.66   738.440897.21  739.5440989.79  738.6441453.33  731.85
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42066.32     74042419.09  735.1142747.67  736.4842877.16  734.6842947.89  732.12
43053.22  729.7643406.75  727.3443577.74     73043665.16     73044697.86  718.82
44794.24  715.0745015.43  708.86 45248.2   706.445330.85  704.0745538.62  704.07
45566.27  704.89 45740.6  708.0846019.89     705 46676.4  686.3346815.43  683.91
47039.44   685.2 47158.3  687.9547693.84  719.3147996.17  730.96 48976.7  739.12
49147.15  741.0549636.04  748.7349769.51  752.7350633.46     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521638.06     .1522038.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21638.0622038.75             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.27    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.11    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1553927.00   75472.17   1178452.00
  E.G. Slope (ft/ft)      0.000304    Area (sq ft)            1553927.00   75472.17   1178452.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5106857.00   427253.20   2469024.00
  Top Width (ft)          46946.91    Top Width (ft)          18698.78     400.69   27847.44
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.29       5.66       2.10
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.10     188.36      42.32
  Conv. Total (cfs)       459066700.0    Conv. (cfs)            292933700.0   24507620.0   141625300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18718.82     402.13   27888.46
  Min Ch El (ft)            565.09    Shear (lb/sq ft)            1.58       3.56       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.18      20.16       1.68
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31038.32    1556.17   22934.80
  C & E Loss (ft)             0.00    Cum SA (acres)            373.86       8.26     565.09


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267161.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.03   762.9 1413.55     760 1922.89     760 2320.14  764.05
 2402.73  764.05  2541.2     770 2750.39     770 2840.08  765.96 3146.86  744.74
 3677.83  723.48 3936.29  715.32 4543.73  701.64 4647.08  701.78 4779.06   702.9
 5570.55  691.96 5768.67  694.29  6013.8  685.15 6052.27  684.05 6728.05  684.05
  6975.5  675.26 7230.11  657.49 7330.51  654.05 7426.05  654.05 7550.88  659.12
 7825.31  689.71 7886.58  694.05 8069.87  682.15 8126.02  682.15  8165.5  681.22
 8297.99     685 8378.45  689.19 8508.18  698.72 8746.26  709.76 9136.74   718.1
 9373.84   718.1 9396.21   717.3 9539.21  709.89 9651.66   708.110516.44  705.19
10853.46  688.5511162.94  664.1611191.83  657.2611348.23  652.1311594.66  657.68
11660.03  661.2912101.32  699.4212441.46     71012951.34  714.0512960.01  714.23
13143.43  710.1713372.42  698.0313438.17   697.413560.79  705.6513746.98     720
14118.96     72014176.32  716.8314265.79  712.8414547.38   715.814741.14  726.65
 14814.9     73015246.34     730 15787.4  717.8515973.39   699.315990.55  695.75
16139.75  674.8316337.98  638.5616359.64   636.916611.93  624.6817052.23  616.52
17166.21  615.9519537.64  615.9519757.89     62020133.01     62020538.31  607.85
20709.12  607.8520802.76   601.921053.79  595.9521593.28  590.0821600.69  589.34
21638.54     58021694.48   572.421766.21  567.9121837.94  565.0822008.12  574.54
22039.39     58022121.55  629.3222182.45  635.0222385.98  663.1622448.26  667.51
22738.24   662.922815.56  664.8423676.47  714.2623965.12  723.5824401.25  733.61
24657.88   741.924891.11   733.225417.84   709.525455.32  706.8225737.57  697.12
25889.79     71025937.65  715.6925987.77  715.6926241.16  719.7526621.03  719.88
26772.78  722.3127034.73  738.4127544.12  746.5627758.63  744.8528147.36  735.53
28535.84   722.228593.84  721.6129327.24  730.3729396.11   731.9 30455.5   731.9
30829.48  735.9532307.48  723.7932793.13  727.8533557.28  727.85 34493.9   721.9
34664.99   721.935028.57  726.4535139.59  726.9335520.54  723.7935943.79  723.79
36498.61     70036504.47  698.4536656.16  638.9136820.51  617.8536845.62  618.57
36960.62  625.2137445.21  643.2437876.97  685.7637968.79  692.1538412.46  693.33
38562.28  681.8338618.34  681.9839005.95   706.839498.41  719.1139804.35  725.95
40289.56  728.3740673.02  738.3940901.62  739.5440994.22  738.6541457.85   731.9
42070.96     74042423.81  735.1442752.45  736.5542881.97  734.7742952.71  732.21
43058.06  729.8443411.66  727.3643582.68     73043670.12     73044703.02  718.88
44799.43  715.1345020.66  708.8945253.47  706.3845336.14  704.0545543.96  704.05
45571.62  704.8745745.98  708.0946025.32  705.0346681.96  686.3546821.02  683.92
47045.07  685.1747163.96  687.9147699.61  719.27   48002  730.9548982.73  739.12
 49153.2  741.0549642.19  748.7249775.69  752.7150639.82     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521638.54     .1522039.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21638.5422039.39             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.27    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.11    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1553964.00   75504.43   1178157.00
  E.G. Slope (ft/ft)      0.000304    Area (sq ft)            1553964.00   75504.43   1178157.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5107644.00   427502.00   2467987.00
  Top Width (ft)          46953.60    Top Width (ft)          18699.46     400.85   27853.29
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.29       5.66       2.09
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.10     188.36      42.30
  Conv. Total (cfs)       459002400.0    Conv. (cfs)            292937900.0   24518460.0   141546100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18719.53     402.30   27894.37
  Min Ch El (ft)            565.08    Shear (lb/sq ft)            1.58       3.56       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.18      20.17       1.68
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30860.30    1547.52   22799.82
  C & E Loss (ft)             0.00    Cum SA (acres)            371.72       8.21     561.90


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267156.*

INPUT
Description:
Station Elevation Data    num=     174
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.06  762.92 1413.58     760 1922.93     760 2320.19  764.03
 2402.79  764.03 2541.26    770 2750.45     770 2840.15  765.95 3146.93  744.71
 3677.91  723.49 3936.38  715.35 4543.83  701.65 4647.18  701.77 4779.17  702.87
 5570.67  691.93  5768.8  694.23 6013.94  685.12 6052.41  684.03  6728.2  684.03
 6975.66   675.2 7230.27  657.45 7330.68  654.03 7426.22  654.03 7551.04  659.07
 7825.49  689.67 7886.76  694.03 8070.05  682.08  8126.2  682.08 8165.69  681.16
 8298.18  684.98 8378.63  689.19 8508.37  698.73 8746.46  709.76 9136.95  718.06
 9374.05  718.06 9396.42  717.25 9539.42  709.83 9651.87  708.0610516.67  705.16
10853.71  688.4611163.19  664.0811192.08  657.1611348.48  652.0611594.92  657.71
11660.29  661.3412101.59  699.4812441.73     71012951.63  714.03 12960.3  714.21
13143.72  710.0913372.72  697.9313438.47   697.3 13561.1   705.613747.28     720
14119.27     72014176.64  716.85 14266.1  712.8914547.71  715.8714741.47  726.67
14815.23     73015246.68     73015787.76  717.9215973.75  699.4815990.91  695.93
16140.11  674.9716338.35  638.6216360.01  636.97 16612.3  624.7117052.61  616.54
 17166.6  615.9719538.08  615.9719758.33     62020133.46     62020538.77  607.92
20709.58  607.9220803.23  601.9421054.26  595.9721593.76  590.0821601.17  589.34
21639.02     580 21695.1  572.3921766.98   567.921838.88  565.0822008.81  574.56
22040.03     58022122.21  629.4422183.12   635.122386.69  663.1722448.98  667.53
22739.02  662.8222816.36  664.7623677.44  714.1623966.14  723.5224402.37  733.63
24659.05  741.9424892.32  733.2125419.16  709.4625456.64  706.7825738.94  697.14
 25891.2  710.1225939.07  715.83 25989.2  715.8326242.64  719.8726622.58  719.94
26774.37  722.3627036.37  738.4727545.86  746.5827760.42  744.8328149.22  735.47
28537.78  722.1328595.79  721.5429329.34  730.4129398.22  731.9430457.82  731.94
30831.87  735.9732310.17  723.8932795.91  727.9233560.22  727.9234497.03  721.94
34668.15  721.9435031.81  726.5235142.84  727.0135523.87  723.8935947.21  723.89
36502.14     700   36508  698.4436659.72  638.8636824.11  617.9236849.21  618.64
36964.24  625.2737448.93  643.3337880.77  685.7337972.61  692.0838416.37  693.25
38566.22   681.738622.29  681.8539009.97  706.7639502.54  719.1139808.54  725.97
40293.85  728.4140677.38  738.3940906.03  739.5440998.64  738.6641462.37  731.94
42075.61     74042428.52  735.1642757.22  736.6342886.77  734.8642957.53  732.29
 43062.9  729.9243416.57  727.3743587.62     73043675.08     73044708.19  718.95
44804.62  715.1945025.89  708.9345258.75  706.3745341.44  704.0345549.29  704.03
45576.96  704.8545751.35   708.146030.75  705.0646687.53  686.3846826.61  683.94
47050.71  685.1447169.62  687.8647705.38  719.2348007.82  730.9548988.75  739.12
49159.26  741.0449648.35  748.7249781.87   752.750646.17     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521639.02     .1522040.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21639.0222040.03             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.27    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.11    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1553995.00   75533.11   1177839.00
  E.G. Slope (ft/ft)      0.000304    Area (sq ft)            1553995.00   75533.11   1177839.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5108485.00   427728.30   2466920.00
  Top Width (ft)          46960.08    Top Width (ft)          18700.09     401.01   27858.98
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)             3.29       5.66       2.09
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)            83.10     188.36      42.28
  Conv. Total (cfs)       458931200.0    Conv. (cfs)             292940700.0   24527630.0   141462900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18720.18     402.45   27900.13
  Min Ch El (ft)            565.08    Shear (lb/sq ft)             1.58       3.56       0.80
  Alpha                       1.23    Stream Power (lb/ft s)       5.18      20.18       1.68
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30682.29    1538.87   22664.87
  C & E Loss (ft)             0.00    Cum SA (acres)            369.58       8.17     558.71


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267151.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.08  762.93 1413.61     760 1922.97     760 2320.24     764
 2402.84     764 2541.31    770 2750.51     770 2840.21  765.93    3147  744.68
 3677.99   723.5 3936.47  715.37 4543.93  701.65 4647.28  701.76 4779.28  702.85
 5570.79   691.9 5768.92  694.16 6014.07  685.09 6052.54     684 6728.35     684
 6975.81  675.14 7230.44   657.4 7330.84     654 7426.38     654 7551.21  659.01
 7825.66  689.63 7886.93     694 8070.23  682.01 8126.38  682.01 8165.87  681.09
 8298.36  684.96 8378.82  689.19 8508.56  698.74 8746.66  709.76 9137.15  718.01
 9374.26  718.01 9396.63   717.2 9539.63  709.77 9652.09  708.0110516.91  705.13
10853.95  688.3811163.44    66411192.33  657.0611348.73  651.9911595.18  657.74
11660.55  661.3812101.86  699.5412442.01     71012951.92     71412960.59  714.19
13144.02  710.0113373.02  697.8313438.77   697.2 13561.4  705.5413747.59     720
14119.58     72014176.95  716.8714266.42  712.9414548.03  715.93 14741.8  726.69
14815.56     73015247.02     73015788.11  717.99 15974.1  699.6515991.27  696.11
16140.47  675.1216338.71  638.6916360.37  637.0416612.67  624.7417052.99  616.56
17166.98     61619538.51     61619758.77     62020133.91     62020539.22  607.99
20710.05  607.9920803.69  601.9921054.73     59621594.24  590.0821601.65  589.34
 21639.5     58021695.71  572.3821767.76  567.8921839.81  565.0822009.49  574.58
22040.67     58022122.87  629.5622183.78  635.19 22387.4  663.19 22449.7  667.54
22739.79  662.7522817.15  664.67 23678.4  714.0623967.17  723.4524403.48  733.64
24660.21  741.9924893.53  733.2225420.47  709.4225457.96  706.7425740.32  697.16
25892.61  710.2425940.49  715.9725990.62  715.9726244.12  719.9826624.14     720
26775.95   722.4   27038  738.54 27547.6   746.6 27762.2  744.8128151.08  735.41
28539.72  722.0628597.74  721.4729331.43  730.4529400.33  731.9930460.14  731.99
30834.27     73632312.86  723.98 32798.7  727.9933563.16  727.9934500.16  721.99
34671.31  721.9935035.04  726.58 35146.1  727.08 35527.2  723.9835950.62  723.98
36505.67     70036511.53  698.4436663.29  638.81 36827.7  617.9936852.81   618.7
36967.86  625.3337452.65  643.4237884.57  685.6937976.43  692.0138420.28  693.18
38570.16  681.5838626.25  681.72   39014  706.7239506.66   719.139812.73     726
40298.13  728.4440681.75  738.3840910.44  739.5341003.07  738.6741466.89  731.99
42080.25     74042433.23  735.19   42762  736.7142891.58  734.9542962.35  732.38
43067.73     73043421.48  727.3943592.57     73043680.04     73044713.36  719.01
 44809.8  715.2545031.12  708.9645264.03  706.3545346.73     70445554.63     704
 45582.3  704.8345756.73  708.1146036.18  705.0946693.09   686.4 46832.2  683.95
47056.34  685.1147175.28  687.8247711.14  719.1848013.65  730.9448994.77  739.11
49165.32  741.04 49654.5  748.7149788.05  752.6850652.53     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21639.5     .1522040.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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       21639.522040.67             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.26    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.11    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1554030.00   75562.04   1177549.00
  E.G. Slope (ft/ft)      0.000304    Area (sq ft)            1554030.00   75562.04   1177549.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5109271.00   427950.20   2465912.00
  Top Width (ft)          46966.82    Top Width (ft)          18700.82     401.17   27864.83
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.29       5.66       2.09
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.10     188.35      42.26
  Conv. Total (cfs)       458865900.0    Conv. (cfs)            292944000.0   24536860.0   141385000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18720.94     402.61   27906.04
  Min Ch El (ft)            565.08    Shear (lb/sq ft)            1.58       3.56       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.18      20.19       1.68
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30504.27    1530.21   22529.96
  C & E Loss (ft)             0.00    Cum SA (acres)            367.44       8.12     555.52


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267146.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.11  762.94 1413.64     760 1923.02     760 2320.29  763.98
 2402.89  763.98 2541.37     770 2750.58     770 2840.27  765.92 3147.07  744.65
 3678.07  723.52 3936.55  715.39 4544.03  701.66 4647.39  701.75 4779.38  702.82
 5570.92  691.87 5769.05   694.1 6014.21  685.06 6052.68  683.98  6728.5  683.98
 6975.97  675.08  7230.6  657.36    7331  653.98 7426.55  653.98 7551.38  658.96
 7825.84  689.59 7887.11  693.98 8070.41  681.94 8126.56  681.94 8166.05  681.03
 8298.55  684.94 8379.01  689.18 8508.75  698.74 8746.85  709.76 9137.35  717.96
 9374.47  717.96 9396.84  717.15 9539.84  709.72  9652.3  707.9610517.14   705.1
10854.19  688.2911163.69  663.9111192.58  656.9611348.99  651.9211595.44  657.77
11660.81  661.4212102.13   699.612442.29     71012952.21  713.9812960.88  714.16
13144.31  709.9313373.32  697.7213439.07  697.09 13561.7  705.49 13747.9     720
 14119.9     72014177.27  716.8914266.74  712.9914548.35  715.9914742.13  726.71
14815.89     73015247.36     73015788.46  718.0615974.46  699.8315991.62  696.29
16140.83  675.2716339.08  638.7616360.74   637.116613.04  624.7717053.37  616.58
17167.36  616.0219538.95  616.0219759.21     62020134.36     62020539.68  608.06
20710.51  608.0620804.15  602.04 21055.2  596.0221594.73  590.0821602.13  589.35
21639.99     58021696.31  572.3621768.53  567.8821840.75  565.0822010.18   574.6
22041.31     58022123.52  629.6822184.45  635.2822388.11   663.222450.42  667.56
22740.57  662.6822817.95  664.5823679.37  713.9623968.19  723.3924404.59  733.65
24661.37  742.0424894.74  733.2425421.79  709.3825459.29   706.7 25741.7  697.17
25894.02  710.35 25941.9  716.1125992.05  716.11 26245.6   720.126625.69  720.06
26777.54  722.4527039.64  738.6127549.34  746.6227763.98  744.7928152.94  735.36
28541.66  721.9928599.69  721.4129333.53  730.4929402.44  732.0430462.46  732.04
30836.66  736.0232315.55  724.0732801.49  728.06 33566.1  728.0634503.29  722.04
34674.48  722.0435038.28  726.6535149.36  727.1635530.54  724.0735954.04  724.07
 36509.2     70036515.06  698.4336666.84  638.7636831.29  618.0636856.41  618.77
36971.48  625.3937456.37  643.5137888.38  685.6637980.25  691.9438424.19   693.1
 38574.1  681.45 38630.2   681.639018.03  706.6839510.79   719.139816.91  726.02
40302.42  728.4740686.11  738.3840914.84  739.53 41007.5  738.6741471.41  732.04
42084.89     74042437.94  735.2242766.78  736.7942896.38  735.0342967.16  732.47
43072.57  730.0743426.39   727.443597.51     730   43685     73044718.53  719.08
44814.99  715.3145036.35     709 45269.3  706.3445352.02  703.9845559.96  703.98
45587.64  704.81 45762.1  708.1246041.61  705.1246698.66  686.4346837.79  683.97
47061.98  685.0847180.94  687.7747716.91  719.1448019.48  730.9449000.79  739.11
49171.38  741.0349660.66  748.7149794.23  752.6650658.88     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521639.99     .1522041.31     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21639.9922041.31             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.26    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.11    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1554081.00   75590.07   1177220.00
  E.G. Slope (ft/ft)      0.000304    Area (sq ft)            1554081.00   75590.07   1177220.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5110183.00   428172.10   2464778.00
  Top Width (ft)          46973.46    Top Width (ft)          18701.46     401.32   27870.68
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.29       5.66       2.09
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.10     188.35      42.24
  Conv. Total (cfs)       458798100.0    Conv. (cfs)            292953000.0   24545960.0   141299100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18721.60     402.76   27911.96
  Min Ch El (ft)            565.08    Shear (lb/sq ft)            1.58       3.57       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.19      20.19       1.68
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30326.25    1521.56   22395.09
  C & E Loss (ft)             0.00    Cum SA (acres)            365.29       8.08     552.33


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267141.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.14  762.95 1413.67     760 1923.06     760 2320.35  763.96
 2402.95  763.96 2541.43     770 2750.64     770 2840.34   765.9 3147.14  744.63
 3678.16  723.53 3936.64  715.41 4544.14  701.66 4647.49  701.74 4779.49  702.79
 5571.04  691.83 5769.18  694.04 6014.34  685.03 6052.81  683.96 6728.65  683.96
 6976.12  675.02 7230.76  657.32 7331.17  653.96 7426.72  653.96 7551.55  658.91
 7826.01  689.55 7887.28  693.96 8070.59  681.87 8126.74  681.87 8166.23  680.96
 8298.73  684.92 8379.19  689.18 8508.94  698.75 8747.04  709.76 9137.56  717.92
 9374.68  717.92 9397.05   717.1 9540.06  709.66 9652.52  707.9210517.38  705.07
10854.43  688.2111163.94  663.8311192.83  656.8611349.24  651.8511595.69   657.8
11661.07  661.47 12102.4  699.6612442.57     710 12952.5  713.9612961.17  714.14
 13144.6  709.8513373.61  697.6213439.37  696.99   13562  705.43 13748.2     720
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14120.21     72014177.58  716.9114267.06  713.0414548.68  716.0514742.46  726.73
14816.22     730 15247.7     73015788.81  718.1315974.81  700.0115991.98  696.47
16141.19  675.4116339.44  638.82 16361.1  637.1716613.41   624.817053.75   616.6
17167.74  616.0419539.38  616.0419759.65     62020134.81     62020540.14  608.13
20710.97  608.1320804.62  602.0821055.67  596.0421595.21  590.0821602.61  589.35
21640.47     58021696.93  572.35 21769.3  567.8721841.69  565.0822010.86  574.62
22041.95     58022124.18   629.822185.12  635.3622388.82  663.2122451.14  667.57
22741.35   662.622818.74   664.523680.34  713.8623969.22  723.32 24405.7  733.67
24662.54  742.0824895.95  733.25 25423.1  709.3425460.61  706.6625743.08  697.19
25895.43  710.4725943.32  716.2525993.48  716.2526247.07  720.2226627.25  720.12
26779.12  722.4927041.28  738.6727551.08  746.6427765.76  744.77 28154.8   735.3
28543.59  721.9228601.63  721.3429335.62  730.5329404.54  732.0830464.78  732.08
30839.06  736.0432318.24  724.1732804.28  728.1333569.04  728.1334506.41  722.08
34677.64  722.0835041.51  726.7135152.61  727.2335533.87  724.1735957.46  724.17
36512.72     70036518.59  698.43 36670.4  638.7136834.88  618.1336860.01  618.84
36975.11  625.4537460.09  643.6137892.18  685.6337984.07  691.87 38428.1  693.02
38578.04  681.3238634.15  681.4739022.06  706.6439514.92   719.1 39821.1  726.04
 40306.7  728.5140690.47  738.3740919.25  739.5341011.93  738.6841475.93  732.08
42089.53     74042442.66  735.2542771.56  736.8742901.18  735.1242971.98  732.55
43077.41  730.15 43431.3  727.4243602.45     73043689.96     730 44723.7  719.14
44820.18  715.3745041.58  709.0345274.58  706.3245357.32  703.96 45565.3  703.96
45592.98  704.7945767.48  708.1446047.05  705.1546704.22  686.4546843.39  683.98
47067.61  685.05 47186.6  687.7247722.67   719.1 48025.3  730.9349006.82  739.11
49177.43  741.0249666.81   748.749800.41  752.6550665.23     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521640.47     .1522041.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21640.4722041.95             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.26    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.11    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1554123.00   75618.69   1176928.00
  E.G. Slope (ft/ft)      0.000304    Area (sq ft)            1554123.00   75618.69   1176928.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5110983.00   428390.20   2463760.00
  Top Width (ft)          46979.98    Top Width (ft)          18702.13     401.48   27876.38
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.29       5.67       2.09
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.10     188.35      42.22
  Conv. Total (cfs)       458735300.0    Conv. (cfs)            292958800.0   24555100.0   141221400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18722.30     402.92   27917.71
  Min Ch El (ft)            565.08    Shear (lb/sq ft)            1.58       3.57       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.19      20.20       1.68
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30148.22    1512.90   22260.25
  C & E Loss (ft)             0.00    Cum SA (acres)            363.15       8.03     549.14


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267136.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.17  762.96 1413.71     760  1923.1     760  2320.4  763.93
    2403  763.93 2541.48     770  2750.7     770  2840.4  765.88 3147.21   744.6
 3678.24  723.54 3936.73  715.43 4544.24  701.67 4647.59  701.73  4779.6  702.76
 5571.17   691.8 5769.31  693.98 6014.47     685 6052.95  683.93  6728.8  683.93
 6976.28  674.97 7230.92  657.27 7331.33  653.93 7426.88  653.93 7551.72  658.85
 7826.19  689.51 7887.46  693.93 8070.77   681.8 8126.92   681.8 8166.42   680.9
 8298.92   684.9 8379.38  689.18 8509.13  698.76 8747.24  709.76 9137.76  717.87
 9374.89  717.87 9397.26  717.05 9540.27   709.6 9652.73  707.8710517.61  705.04
10854.67  688.1211164.19  663.7511193.08  656.7611349.49  651.7811595.95  657.83
11661.33  661.5112102.67  699.7212442.84     71012952.79  713.9312961.46  714.11
 13144.9  709.7813373.91  697.5113439.67  696.8913562.31  705.3713748.51     720
14120.53     720 14177.9  716.9314267.38  713.09   14549  716.1214742.79  726.75
14816.55     73015248.04     73015789.16   718.215975.17  700.1915992.34  696.65
16141.55  675.56 16339.8  638.8916361.47  637.2416613.78  624.8317054.13  616.62
17168.12  616.0719539.82  616.0719760.09     62020135.26     620 20540.6   608.2
20711.43   608.220805.08  602.1321056.14  596.0721595.69  590.0821603.09  589.36
21640.95     58021697.54  572.3321770.08  567.8621842.62  565.0822011.55  574.63
22042.59     58022124.83  629.9222185.79  635.4522389.53  663.2222451.87  667.58
22742.13  662.5322819.54  664.41 23681.3  713.7523970.24  723.2624406.81  733.68
 24663.7  742.1324897.16  733.2625424.42  709.2925461.93  706.6225744.46  697.21
25896.84  710.5925944.74  716.3925994.91  716.3926248.55  720.33 26628.8  720.18
26780.71  722.5427042.92  738.7427552.82  746.6627767.54  744.7528156.66  735.24
28545.53  721.8528603.58  721.2729337.72  730.5729406.65  732.13 30467.1  732.13
30841.45  736.0732320.94  724.2632807.07   728.233571.98   728.234509.54  722.13
 34680.8  722.1335044.75  726.7835155.87  727.31 35537.2  724.2635960.88  724.26
36516.25     70036522.12  698.4236673.96  638.6636838.47   618.236863.61   618.9
36978.72  625.51 37463.8   643.737895.98  685.5937987.89   691.838432.01  692.94
38581.98   681.2 38638.1  681.3439026.09   706.639519.05  719.0939825.29  726.07
40310.99  728.5440694.83  738.3640923.66  739.5341016.35  738.6941480.45  732.13
42094.17     74042447.37  735.2842776.34  736.9442905.99  735.21 42976.8  732.64
43082.25  730.2343436.21  727.43 43607.4     73043694.92     73044728.86   719.2
44825.36  715.4345046.81  709.0745279.86  706.3145362.61  703.9345570.64  703.93
45598.32  704.7645772.86  708.1546052.48  705.1846709.78  686.4846848.98     684
47073.25  685.0247192.26  687.6847728.44  719.0648031.13  730.9349012.84   739.1
49183.49  741.0249672.96   748.749806.59  752.6350671.59     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521640.95     .1522042.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21640.9522042.59             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.26    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.15    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.10    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1554154.00   75649.76   1176622.00
  E.G. Slope (ft/ft)      0.000304    Area (sq ft)            1554154.00   75649.76   1176622.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5111786.00   428633.30   2462714.00
  Top Width (ft)          46986.73    Top Width (ft)          18702.86     401.64   27882.23
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.29       5.67       2.09
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  Max Chl Dpth (ft)          194.02    Hydr. Depth (ft)           83.10     188.35      42.20
  Conv. Total (cfs)        458666100.0    Conv. (cfs)            292960600.0    24565330.0   141140200.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18723.06     403.08   27923.64
  Min Ch El (ft)             565.08    Shear (lb/sq ft)            1.58       3.57       0.80
  Alpha                        1.23    Stream Power (lb/ft s)      5.19      20.21       1.68
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    29970.18    1504.23   22125.44
  C & E Loss (ft)              0.00    Cum SA (acres)            361.01       7.98     545.94


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267131.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.19  762.97 1413.74     760 1923.15     760 2320.45  763.91
 2403.05  763.91 2541.54     770 2750.76     770 2840.46  765.87 3147.28  744.57
 3678.32  723.56 3936.82  715.45 4544.34  701.68  4647.7  701.72  4779.7  702.73
 5571.29  691.77 5769.44  693.92 6014.61  684.97 6053.08  683.91 6728.95  683.91
 6976.44  674.91 7231.08  657.23 7331.49  653.91 7427.05  653.91 7551.89   658.8
 7826.36  689.47 7887.64  693.91 8070.95  681.73  8127.1  681.73  8166.6  680.84
  8299.1  684.88 8379.57  689.17 8509.32  698.77 8747.44  709.77 9137.96  717.82
  9375.1  717.82 9397.47     717 9540.48  709.54 9652.95  707.8210517.84  705.01
10854.91  688.0411164.44  663.6711193.33  656.6611349.75  651.7111596.21  657.86
11661.59  661.5612102.94  699.7912443.12     71012953.08  713.9112961.75  714.09
13145.19   709.713374.21  697.4113439.97  696.7913562.61  705.3213748.82     720
14120.84      72014178.22  716.94 14267.7  713.1414549.33  716.1814743.11  726.77
14816.88      73015248.38     73015789.52  718.2715975.53  700.3615992.69  696.83
16141.91   675.716340.17  638.9616361.83   637.316614.15  624.8717054.51  616.64
17168.51  616.0919540.26  616.0919760.53     62020135.71     62020541.05  608.27
20711.89  608.2720805.54  602.1821056.61  596.0921596.17  590.0821603.57  589.36
21641.43      58021698.14  572.3221770.85  567.8421843.56  565.0722012.23  574.65
22043.23      58022125.49  630.0422186.46  635.5422390.23  663.2422452.59   667.6
22742.91  662.4522820.33  664.3323682.27  713.6523971.27  723.1924407.92   733.7
24664.86  742.1824898.37  733.2725425.73  709.2525463.25  706.5825745.84  697.22
25898.25  710.7125946.16  716.5325996.34  716.5326250.03  720.4526630.36  720.23
26782.29  722.5827044.55  738.8127554.56  746.6827769.33  744.7328158.52  735.18
28547.47  721.7828605.53   721.229339.81  730.6129408.76  732.1830469.42  732.18
30843.85  736.0932323.63  724.3632809.86  728.2733574.92  728.2734512.67  722.18
34683.96  722.1835047.98  726.8435159.12  727.3835540.54  724.3635964.29  724.36
36519.78      70036525.65  698.4136677.52  638.6136842.07  618.27 36867.2  618.97
36982.34  625.5737467.52  643.7937899.79  685.5637991.72  691.7338435.92  692.87
38585.92  681.0738642.05  681.2239030.12  706.5639523.18  719.0939829.48  726.09
40315.27  728.57 40699.2  738.3640928.07  739.5341020.78   738.741484.96  732.18
42098.81      74042452.08   735.342781.11  737.0242910.79   735.342981.62  732.73
43087.09  730.3143441.12  727.4543612.34     73043699.88     73044734.03  719.27
44830.55  715.4945052.04   709.145285.14   706.345367.91  703.9145575.97  703.91
45603.66  704.7445778.23  708.1646057.91  705.2146715.34   686.546854.57  684.01
47078.88  684.9947197.92  687.6347734.21  719.0148036.96  730.9249018.86   739.1
49189.54  741.0149679.12  748.6949812.77  752.6250677.94     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521641.43     .1522043.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21641.4322043.23             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.26    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.15    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.10    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                       Flow Area (sq ft)       1554184.00   75680.80   1176300.00
  E.G. Slope (ft/ft)      0.000305     Area (sq ft)            1554184.00   75680.80   1176300.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5112621.00   428879.40   2461633.00
  Top Width (ft)          46993.21     Top Width (ft)          18703.49     401.80   27887.92
  Vel Total (ft/s)            2.85     Avg. Vel. (ft/s)            3.29       5.67       2.09
  Max Chl Dpth (ft)          194.03    Hydr. Depth (ft)           83.10     188.35      42.18
  Conv. Total (cfs)       458595600.0    Conv. (cfs)            292963500.0    24575650.0   141056500.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18723.71     403.24   27929.40
  Min Ch El (ft)             565.07    Shear (lb/sq ft)            1.58       3.57       0.80
  Alpha                        1.23    Stream Power (lb/ft s)      5.19      20.22       1.68
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    29792.15    1495.56   21990.67
  C & E Loss (ft)              0.00    Cum SA (acres)            358.87       7.94     542.75


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267126.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.22  762.98 1413.77     760 1923.19     760  2320.5  763.89
 2403.11  763.89 2541.59     770 2750.82     770 2840.53  765.85 3147.35  744.54
  3678.4  723.57 3936.91  715.47 4544.44  701.68  4647.8  701.71 4779.81  702.71
 5571.42  691.74 5769.57  693.86 6014.74  684.94 6053.22  683.89  6729.1  683.89
 6976.59  674.85 7231.24  657.19 7331.66  653.89 7427.21  653.89 7552.05  658.75
 7826.54  689.43 7887.81  693.89 8071.13  681.66 8127.29  681.66 8166.78  680.77
 8299.29  684.86 8379.75  689.17 8509.51  698.77 8747.63  709.77 9138.17  717.78
 9375.31  717.78 9397.68  716.95  9540.7  709.49 9653.16  707.7810518.08  704.98
10855.16  687.9611164.69  663.5911193.58  656.56   11350  651.6411596.47  657.89
11661.85   661.612103.21  699.85 12443.4     71012953.36  713.8912962.04  714.06
13145.48  709.6213374.51  697.3113440.27  696.6913562.91  705.2613749.12     720
14121.16      72014178.53  716.9614268.01  713.1914549.65  716.2414743.44  726.78
14817.21      73015248.72     73015789.87  718.3415975.88  700.5415993.05  697.01
16142.27  675.8516340.53  639.02 16362.2  637.3716614.52   624.917054.89  616.66
17168.89  616.1119540.69  616.1119760.97     62020136.15     62020541.51  608.34
20712.36  608.3420806.01  602.2221057.08  596.1121596.65  590.0821604.06  589.36
21641.92      58021698.75  572.3121771.62  567.83 21844.5  565.0722012.92  574.67
22043.87      58022126.14  630.1622187.12  635.6222390.94  663.2522453.31  667.61
22743.69  662.3822821.12  664.2423683.24  713.5523972.29  723.1324409.03  733.71
24666.02  742.2224899.58  733.2925427.04  709.2125464.57  706.5425747.21  697.24
25899.65  710.8325947.58  716.6725997.77  716.6726251.51  720.5726631.91  720.29
26783.88  722.6327046.19  738.88 27556.3   746.727771.11  744.7128160.38  735.13
 28549.4  721.7128607.48  721.1429341.91  730.6529410.87  732.2230471.74  732.22
```

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30846.25  736.1132326.32  724.4532812.64  728.3433577.86  728.34 34515.8  722.22
34687.12  722.2235051.21  726.9135162.38  727.4635543.87  724.4535967.71  724.45
36523.31     70036529.18  698.4136681.08  638.5536845.66  618.34 36870.8  619.03
36985.96  625.6337471.24  643.8837903.59  685.5337995.54  691.6638439.83  692.79
38589.86  680.95   38646  681.0939034.15  706.52 39527.3  719.0939833.67  726.11
40319.56   728.640703.56  738.3540932.48  739.52 41025.2  738.7141489.48  732.22
42103.45     74042456.79  735.3342785.89   737.142915.59  735.3942986.44  732.82
43091.93  730.3943446.03  727.4743617.29     73043704.85     730 44739.2  719.33
44835.74  715.5545057.27  709.1445290.41  706.28 45373.2  703.8945581.31  703.89
   45609  704.7245783.61  708.1746063.34  705.2346720.91  686.5346860.16  684.03
47084.52  684.9647203.58  687.5947739.97  718.9748042.78  730.9249024.88  739.09
 49195.6  741.0149685.27  748.6949818.96   752.6 50684.3     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521641.92     .1522043.87     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21641.9222043.87             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.26    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.10    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1554226.00   75707.82   1176008.00
  E.G. Slope (ft/ft)      0.000305    Area (sq ft)            1554226.00   75707.82   1176008.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5113431.00   429090.80   2460611.00
  Top Width (ft)          46999.95    Top Width (ft)          18704.22     401.95   27893.78
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.29       5.67       2.09
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.09     188.35      42.16
  Conv. Total (cfs)       458531100.0    Conv. (cfs)            292968600.0   24584310.0   140978100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18724.47     403.39   27935.33
  Min Ch El (ft)            565.07    Shear (lb/sq ft)            1.58       3.57       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.19      20.23       1.68
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29614.11    1486.89   21855.94
  C & E Loss (ft)             0.00    Cum SA (acres)            356.72       7.89     539.55


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267121.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.25     763  1413.8     760 1923.23     760 2320.55  763.86
 2403.16  763.86 2541.65     770 2750.88     770 2840.59  765.84 3147.42  744.52
 3678.48  723.59 3936.99  715.49 4544.54  701.69  4647.9   701.7 4779.92  702.68
 5571.54  691.71  5769.7  693.79 6014.88  684.91 6053.35  683.86 6729.25  683.86
 6976.75  674.79  7231.4  657.14 7331.82  653.86 7427.38  653.86 7552.22   658.7
 7826.71  689.39 7887.99  693.86 8071.31  681.59 8127.47  681.59 8166.96  680.71
 8299.47  684.85 8379.94  689.17  8509.7  698.78 8747.83  709.77 9138.37  717.73
 9375.52  717.73 9397.89   716.9 9540.91  709.43 9653.38  707.7310518.31  704.95
 10855.4  687.8711164.93   663.511193.83  656.4611350.25  651.5711596.73  657.92
11662.11  661.6512103.48  699.9112443.67     71012953.65  713.8612962.32  714.04
13145.78  709.5413374.81   697.213440.56  696.5913563.21   705.213749.43     720
14121.47     72014178.85  716.9814268.33  713.2414549.98   716.314743.77   726.8
14817.54     73015249.06     73015790.22  718.4115976.24  700.7215993.41  697.19
16142.63  675.99 16340.9  639.0916362.56  637.4416614.89  624.9317055.27  616.68
17169.27  616.1419541.13  616.1419761.41     620 20136.6     62020541.97  608.41
20712.82  608.4120806.47  602.2721057.55  596.1421597.13  590.0821604.54  589.37
 21642.4     58021699.37  572.29 21772.4  567.8221845.43  565.0722013.61  574.69
22044.51     580 22126.8  630.2822187.79  635.7122391.65  663.2622454.03  667.63
22744.47   662.322821.92  664.15 23684.2  713.4523973.31  723.0624410.14  733.72
24667.19  742.2724900.79   733.325428.36  709.17 25465.9   706.525748.59  697.26
25901.06  710.94   25949  716.8125999.19  716.8126252.99  720.6926633.47  720.35
26785.46  722.6727047.83  738.9427558.04  746.7227772.89  744.6928162.24  735.07
28551.34  721.6428609.43  721.07   29344  730.6929412.98  732.2730474.06  732.27
30848.64  736.1432329.01  724.5432815.43  728.41 33580.8  728.4134518.93  722.27
34690.29  722.2735054.45  726.9735165.64  727.54 35547.2  724.5435971.13  724.54
36526.84     70036532.71   698.436684.64   638.536849.25  618.41 36874.4   619.1
36989.59  625.6937474.95  643.97 37907.4  685.4937999.36  691.5938443.74  692.71
 38593.8  680.8238649.96  680.9639038.18  706.4839531.43  719.0839837.86  726.14
40323.85  728.6440707.92  738.3440936.88  739.5241029.63  738.71   41494  732.27
 42108.1     740 42461.5  735.3642790.67  737.18 42920.4  735.4742991.25   732.9
43096.77  730.4643450.94  727.4843622.23     73043709.81     73044744.36   719.4
44840.93   715.6 45062.5  709.1745295.69  706.2745378.49  703.8645586.64  703.86
45614.34   704.745788.98  708.1846068.77  705.2646726.47  686.5546865.75  684.04
47090.16  684.9347209.24  687.5447745.74  718.9348048.61  730.9149030.91  739.09
49201.66     74149691.43  748.6849825.14  752.5950690.65     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21642.4     .1522044.51     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21642.422044.51             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.25    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.10    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1554254.00   75737.50   1175715.00
  E.G. Slope (ft/ft)      0.000305    Area (sq ft)            1554254.00   75737.50   1175715.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5114209.00   429319.90   2459604.00
  Top Width (ft)          47006.38    Top Width (ft)          18704.80     402.11   27899.47
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.29       5.67       2.09
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.09     188.35      42.14
  Conv. Total (cfs)       458465400.0    Conv. (cfs)            292971300.0   24593910.0   140900200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18725.07     403.55   27941.09
  Min Ch El (ft)            565.07    Shear (lb/sq ft)            1.58       3.57       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.20      20.24       1.67
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29436.06    1478.22   21721.24
  C & E Loss (ft)             0.00    Cum SA (acres)            354.58       7.85     536.36


CROSS SECTION
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RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267116.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1241.28  763.01 1413.83     760 1923.28     760  2320.6  763.84
 2403.21  763.84 2541.71     770 2750.94     770 2840.65  765.82 3147.49  744.49
 3678.57   723.6 3937.08  715.51 4544.64   701.7 4648.01  701.69 4780.02  702.65
 5571.66  691.68 5769.83  693.73 6015.01  684.88 6053.49  683.84  6729.4  683.84
  6976.9  674.73 7231.56   657.1 7331.98  653.84 7427.54  653.84 7552.39  658.64
 7826.88  689.34 7888.16  693.84 8071.49  681.52 8127.65  681.52 8167.14  680.64
 8299.66  684.83 8380.13  689.16 8509.89  698.79 8748.02  709.77 9138.57  717.68
 9375.73  717.68  9398.1  716.85 9541.12  709.37 9653.59  707.6810518.55  704.92
10855.64  687.7911165.18  663.4211194.08  656.3711350.51   651.511596.99  657.95
11662.37  661.6912103.75  699.9712443.95     71012953.94  713.8412962.61  714.01
13146.07  709.46 13375.1   697.113440.86  696.4913563.52  705.1513749.74     720
14121.79     72014179.17     71714268.65  713.29 14550.3  716.36 14744.1  726.82
14817.87     730 15249.4     73015790.57  718.4815976.59   700.915993.76  697.37
16142.99  676.1416341.26  639.1516362.93   637.516615.26  624.9617055.65   616.7
17169.66  616.1619541.56  616.1619761.85     62020137.05     62020542.43  608.48
20713.28  608.4820806.94  602.3221058.02  596.1621597.62  590.0821605.02  589.37
21642.88     58021699.97  572.2821773.17  567.8121846.37  565.0722014.29  574.71
22045.15     58022127.46   630.422188.46   635.822392.36  663.2722454.75  667.64
22745.25  662.2322822.71  664.0723685.17  713.3523974.34     72324411.25  733.74
24668.35  742.3224901.99  733.3125429.67  709.1325467.22  706.4625749.97  697.27
25902.47  711.0625950.41  716.9626000.62  716.9626254.47   720.826635.02  720.41
26787.05  722.7127049.46  739.0127559.78  746.7427774.67  744.67 28164.1  735.01
28553.28  721.5728611.38     721 29346.1  730.7329415.09  732.3230476.38  732.32
30851.04  736.16 32331.7  724.6432818.22  728.4833583.74  728.4834522.05  722.32
34693.45  722.3235057.68  727.0435168.89  727.6135550.54  724.6435974.54  724.64
36530.36     70036536.24   698.4 36688.2  638.4536852.84  618.48   36878  619.17
36993.21  625.7537478.67  644.06 37911.2  685.4638003.18  691.5238447.65  692.64
38597.75  680.6938653.91  680.8339042.21  706.4439535.56  719.0839842.05  726.16
40328.13  728.6740712.28  738.3440941.29  739.5241034.06  738.7241498.52  732.32
42112.74     74042466.21  735.3942795.45  737.25 42925.2  735.5642996.07  732.99
43101.61  730.5443455.85   727.543627.17     73043714.77     73044749.53  719.46
44846.11  715.6645067.73  709.2145300.97  706.2545383.79  703.8445591.98  703.84
45619.68  704.6845794.36  708.19 46074.2  705.2946732.03  686.5846871.34  684.06
47095.79   684.947214.89   687.5 47751.5  718.8948054.44  730.9149036.93  739.09
49207.71  740.9949697.58  748.6849831.32  752.57   50697     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1521642.88     .1522045.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21642.8822045.15             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.25    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.10    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1554305.00   75766.64   1175371.00
  E.G. Slope (ft/ft)      0.000305    Area (sq ft)            1554305.00   75766.64   1175371.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5115143.00   429549.60   2458441.00
  Top Width (ft)          47013.12    Top Width (ft)          18705.53     402.27   27905.32
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.29       5.67       2.09
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.09     188.35      42.12
  Conv. Total (cfs)       458394200.0    Conv. (cfs)            292979300.0   24603250.0   140811700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18725.84     403.70   27947.01
  Min Ch El (ft)            565.07    Shear (lb/sq ft)            1.58       3.57       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.20      20.25       1.67
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29258.01    1469.54   21586.57
  C & E Loss (ft)             0.00    Cum SA (acres)            352.44       7.80     533.16


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267111.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800  1241.3  763.02 1413.86     760 1923.32     760 2320.66  763.82
 2403.27  763.82 2541.76     770    2751     770 2840.72   765.8 3147.56  744.46
 3678.65  723.61 3937.17  715.53 4544.74   701.7 4648.11  701.68 4780.13  702.62
 5571.79  691.65 5769.95  693.67 6015.15  684.85 6053.62  683.82 6729.55  683.82
 6977.06  674.68 7231.72  657.06 7332.15  653.82 7427.71  653.82 7552.56  658.59
 7827.06   689.3 7888.34  693.82 8071.67  681.45 8127.83  681.45 8167.33  680.58
 8299.84  684.81 8380.32  689.16 8510.08   698.8 8748.21  709.77 9138.78  717.63
 9375.93  717.63 9398.31   716.8 9541.33  709.32 9653.81  707.6310518.78  704.89
10855.88   687.711165.43  663.3411194.33  656.2711350.76  651.4311597.25  657.98
11662.63  661.7412104.02  700.0312444.23     71012954.23  713.82 12962.9  713.99
13146.36  709.39 13375.4  696.9913441.16  696.3913563.82  705.0913750.04     720
 14122.1     72014179.48  717.0214268.97  713.3414550.62  716.4314744.43  726.84
 14818.2     73015249.74     73015790.92  718.5515976.95  701.0715994.12  697.55
16143.35  676.2816341.63  639.2216363.29  637.5716615.63  624.9917056.03  616.72
17170.04  616.18   19542  616.1819762.29     620 20137.5     62020542.89  608.55
20713.74  608.55 20807.4  602.3721058.49  596.18 21598.1  590.08 21605.5  589.38
21643.36     58021700.58  572.2621773.95   567.821847.31  565.0722014.98  574.72
22045.79     58022128.11  630.5222189.13  635.8822393.07  663.2922455.47  667.66
22746.03  662.1522823.51  663.9823686.14  713.2523975.36  722.9324412.37  733.75
24669.51  742.37 24903.2  733.3225430.99  709.0925468.54  706.4225751.35  697.29
25903.88  711.1825951.83   717.126002.05   717.126255.95  720.9226636.58  720.47
26788.63  722.76 27051.1  739.0827561.51  746.7627776.46  744.6528165.96  734.96
28555.22   721.528613.33  720.94 29348.2  730.77 29417.2  732.3730478.71  732.37
30853.43  736.1832334.39  724.7332821.01  728.5533586.68  728.5534525.18  722.37
34696.61  722.3735060.92   727.135172.15  727.6935553.87  724.7335977.96  724.73
36533.89     70036539.77  698.3936691.76   638.436856.44  618.5536881.59  619.23
36996.83  625.8137482.39  644.15   37915  685.43   38007  691.4538451.56  692.56
38601.68  680.5738657.86  680.7139046.24  706.4139539.69  719.0839846.23  726.18
40332.42   728.740716.64  738.33 40945.7  739.5241038.48  738.7341503.04  732.37
42117.38     74042470.93  735.4242800.22  737.33   42930  735.6543000.89  733.08
43106.45  730.6243460.76  727.5143632.12     73043719.73     730 44754.7  719.53
 44851.3  715.7245072.96  709.2445306.25  706.2445389.08  703.8245597.31  703.82
45625.03  704.6645799.73   708.246079.64  705.3246737.59   686.646876.93  684.08
47101.43  684.8747220.55  687.4547757.27  718.8548060.26   730.949042.95  739.08
49213.77  740.9949703.73  748.67 49837.5  752.5550703.36     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521643.36     .1522045.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21643.3622045.79             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.25    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.10    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1554349.00   75797.47   1175059.00
  E.G. Slope (ft/ft)      0.000305    Area (sq ft)            1554349.00   75797.47   1175059.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5115986.00   429789.30   2457358.00
  Top Width (ft)          47019.85    Top Width (ft)          18706.25     402.43   27911.17
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.29       5.67       2.09
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.09     188.35      42.10
  Conv. Total (cfs)       458328000.0    Conv. (cfs)            292985200.0   24613420.0   140729400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18726.58     403.86   27952.93
  Min Ch El (ft)            565.07    Shear (lb/sq ft)            1.58       3.57       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.20      20.26       1.67
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29079.96    1460.86   21451.95
  C & E Loss (ft)             0.00    Cum SA (acres)            350.30       7.75     529.96


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267106.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.33  763.03 1413.89     760 1923.36     760 2320.71  763.79
 2403.32  763.79 2541.82    770 2751.07     770 2840.78  765.79 3147.63  744.44
 3678.73  723.63 3937.26  715.56 4544.85  701.71 4648.22  701.67 4780.24   702.6
 5571.91  691.61 5770.08  693.61 6015.28  684.82 6053.76  683.79  6729.7  683.79
 6977.21  674.62 7231.89  657.01 7332.31  653.79 7427.87  653.79 7552.73  658.54
 7827.23  689.26 7888.52  693.79 8071.85  681.38 8128.01  681.38 8167.51  680.51
 8300.03  684.79  8380.5  689.16 8510.27   698.8 8748.41  709.77 9138.98  717.59
 9376.14  717.59 9398.51  716.75 9541.55  709.26 9654.02  707.5910519.02  704.86
10856.12  687.6211165.68  663.2611194.58  656.1711351.01  651.36 11597.5  658.01
11662.89  661.7812104.29  700.0912444.51    71012954.52  713.7912963.19  713.97
13146.65  709.31 13375.7  696.8913441.46  696.2913564.12  705.0313750.35     720
14122.42     720 14179.8  717.0414269.29   713.414550.95  716.4914744.76  726.86
14818.53    73015250.08    73015791.28  718.6215977.31  701.2515994.48  697.73
16143.71  676.4316341.99  639.2916363.66  637.64   16616  625.0217056.41  616.74
17170.42  616.2119542.43  616.2119762.73    62020137.95    62020543.34  608.62
 20714.2  608.6220807.86  602.4121058.96  596.2121598.58  590.0821605.98  589.38
21643.85    58021701.19  572.2521774.72  567.7921848.24  565.0722015.66  574.74
22046.43    58022128.77  630.6422189.79  635.9722393.78   663.322456.19  667.67
22746.81  662.08 22824.3   663.9 23687.1  713.1523976.39  722.8724413.48  733.77
24670.67  742.4124904.41  733.34 25432.3  709.0525469.86  706.3825752.73  697.31
25905.29   711.325953.25  717.2426003.48  717.2426257.43  721.0426638.13  720.53
26790.22   722.827052.74  739.1427563.25  746.7827778.24  744.6328167.82   734.9
28557.15  721.4328615.28  720.8729350.29  730.8129419.31  732.4130481.03  732.41
30855.83  736.2132337.08  724.82 32823.8  728.6233589.62  728.6234528.31  722.41
34699.77  722.4135064.15  727.1735175.41  727.76 35557.2  724.8235981.38  724.82
36537.42     700 36543.3  698.3836695.32  638.3536860.03  618.6236885.19   619.3
37000.45  625.8737486.11  644.2537918.81  685.3938010.83  691.3838455.47  692.48
38605.62  680.4438661.81  680.5839050.27  706.3739543.81  719.0739850.42  726.21
 40336.7  728.7440721.01  738.3240950.11  739.5241042.91  738.7441507.56  732.41
42122.02    74042475.64  735.45   42805  737.4142934.81  735.7443005.71  733.17
43111.29   730.743465.66  727.5343637.06    73043724.69    73044759.87  719.59
44856.48  715.78 45078.2  709.2845311.52  706.2345394.38  703.7945602.65  703.79
45630.37  704.6445805.11  708.2146085.07  705.3546743.16  686.6346882.52  684.09
47107.06  684.8447226.21   687.447763.04   718.848066.09  730.8949048.97  739.08
49219.83  740.9849709.89  748.6749843.68  752.5450709.71     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521643.85     .1522046.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21643.8522046.43             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.25    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.09    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1554362.00   75824.77   1174762.00
  E.G. Slope (ft/ft)      0.000305    Area (sq ft)            1554362.00   75824.77   1174762.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5116750.00   430009.50   2456374.00
  Top Width (ft)          47026.29    Top Width (ft)          18706.85     402.58   27916.86
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.29       5.67       2.09
  Max Chl Dpth (ft)         194.02    Hydr. Depth (ft)           83.09     188.35      42.08
  Conv. Total (cfs)       458255800.0    Conv. (cfs)            292982800.0   24622150.0   140650900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18727.20     404.01   27958.69
  Min Ch El (ft)            565.07    Shear (lb/sq ft)            1.58       3.57       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.20      20.27       1.67
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28901.90    1452.18   21317.35
  C & E Loss (ft)             0.00    Cum SA (acres)            348.15       7.71     526.77


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267101.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.36  763.04 1413.93     760  1923.4     760 2320.76  763.77
 2403.38  763.77 2541.88    770 2751.13     770 2840.84  765.77  3147.7  744.41
 3678.81  723.64 3937.34  715.58 4544.95  701.72 4648.32  701.66 4780.34  702.57
 5572.04  691.58 5770.21  693.55 6015.41  684.79 6053.89  683.77 6729.85  683.77
 6977.37  674.56 7232.05  656.97 7332.47  653.77 7428.04  653.77  7552.9  658.49
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 7827.41  689.22 7888.69  693.77 8072.03  681.31 8128.19  681.31 8167.69  680.45
 8300.21  684.77 8380.69  689.15 8510.46  698.81 8748.61  709.77 9139.19  717.54
 9376.35  717.54 9398.72   716.7 9541.76   709.2 9654.24  707.5410519.25  704.83
10856.37  687.5311165.93  663.1811194.83  656.0711351.26  651.2911597.76  658.04
11663.15  661.8212104.56  700.1512444.78     71012954.81  713.7712963.48  713.94
13146.95  709.23   13376  696.7813441.76  696.1913564.42  704.9813750.65     720
14122.73     72014180.11  717.05 14269.6  713.4514551.27  716.5514745.09  726.88
14818.86     73015250.42     73015791.63  718.6915977.66  701.4315994.83  697.91
16144.07  676.5816342.35  639.3516364.02   637.716616.37  625.0517056.79  616.76
 17170.8  616.2319542.87  616.2319763.17     620 20138.4     620 20543.8  608.69
20714.66  608.6920808.33  602.4621059.43  596.2321599.06  590.0821606.46  589.38
21644.33     580 21701.8  572.2421775.49  567.7821849.18  565.0622016.35  574.76
22047.06     58022129.42  630.7622190.46  636.0622394.48  663.3122456.91  667.69
22747.59     662 22825.1  663.8123688.07  713.0423977.41   722.824414.59  733.78
24671.84  742.4624905.62  733.3525433.62     70925471.18  706.3425754.11  697.32
 25906.7  711.4225954.67  717.3826004.91  717.3826258.91  721.1526639.69  720.59
 26791.8  722.8527054.38  739.2127564.99   746.827780.02  744.6128169.68  734.84
28559.09  721.3628617.23   720.829352.38  730.8529421.42  732.4630483.35  732.46
30858.22  736.2332339.77  724.9232826.58  728.6933592.57  728.6934531.44  722.46
34702.93  722.4635067.39  727.2335178.67  727.8435560.53  724.92 35984.8  724.92
36540.95     70036546.83  698.3836698.88   638.336863.62  618.6936888.79  619.36
37004.07  625.9337489.82  644.3437922.61  685.3638014.65  691.3138459.39  692.41
38609.57  680.3238665.76  680.45 39054.3  706.3339547.94  719.0739854.61  726.23
40340.99  728.7740725.37  738.3240954.52  739.5241047.34  738.7441512.08  732.46
42126.66     74042480.35  735.4742809.78  737.4942939.61  735.8343010.52  733.25
43116.12  730.7843470.57  727.54   43642     73043729.65     73044765.04  719.65
44861.67  715.8445083.43  709.31 45316.8  706.2145399.67  703.7745607.98  703.77
45635.71  704.6245810.48  708.22 46090.5  705.3846748.72  686.6546888.11  684.11
 47112.7  684.8147231.88  687.36 47768.8  718.7648071.91  730.89   49055  739.08
49225.88  740.9749716.04  748.6649849.86  752.5250716.06     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521644.33     .1522047.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21644.3322047.06             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.25    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.09    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1554414.00   75853.39   1174455.00
  E.G. Slope (ft/ft)      0.000305    Area (sq ft)            1554414.00   75853.39   1174455.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5117605.00   430233.00   2455295.00
  Top Width (ft)          47033.02    Top Width (ft)          18707.57     402.73   27922.72
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.29       5.67       2.09
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.09     188.35      42.06
  Conv. Total (cfs)       458192700.0    Conv. (cfs)            292991400.0   24631560.0   140569800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18727.96     404.16   27964.62
  Min Ch El (ft)            565.06    Shear (lb/sq ft)            1.58       3.57       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.20      20.28       1.67
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28723.83    1443.49   21182.80
  C & E Loss (ft)             0.00    Cum SA (acres)            346.01       7.66     523.57


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267096.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.39  763.05 1413.96     760 1923.45     760 2320.81  763.75
 2403.43  763.75 2541.93    770 2751.19     770 2840.91  765.76 3147.77  744.38
 3678.89  723.65 3937.43   715.6 4545.05  701.72 4648.42  701.65 4780.45  702.54
 5572.16  691.55 5770.34  693.48 6015.55  684.76 6054.03  683.75    6730  683.75
 6977.52   674.5 7232.21  656.93 7332.64  653.75 7428.21  653.75 7553.06  658.43
 7827.58  689.18 7888.87  693.75 8072.21  681.24 8128.37  681.24 8167.87  680.38
  8300.4  684.75 8380.88  689.15 8510.65  698.82  8748.8  709.78 9139.39  717.49
 9376.56  717.49 9398.93  716.65 9541.97  709.14 9654.45  707.4910519.49   704.8
10856.61  687.4511166.18  663.111195.08  655.9711351.52  651.2211598.02  658.07
11663.41  661.8712104.83  700.2112445.06     710 12955.1  713.7512963.77  713.92
13147.24  709.15 13376.3  696.6813442.06  696.0913564.72  704.9213750.96     720
14123.05     72014180.43  717.0714269.92   713.5 14551.6  716.6114745.42   726.9
14819.19     73015250.76     73015791.98  718.7615978.02  701.6115995.19  698.09
16144.43  676.7216342.72  639.4216364.39  637.7716616.74  625.0817057.17  616.78
17171.19  616.25 19543.3  616.2519763.62     62020138.85     62020544.26  608.76
20715.12  608.7620808.79  602.51 21059.9  596.2521599.54  590.0821606.95  589.39
21644.81     58021702.41  572.2221776.27  567.7721850.12  565.0622017.03  574.78
22047.71     58022130.08  630.8822191.13  636.1422395.19  663.3222457.63   667.7
22748.36  661.9322825.89  663.7323689.04  712.9423978.43  722.74 24415.7   733.8
   24673  742.5124906.83  733.3625434.93  708.9625472.51   706.325755.48  697.34
25908.11  711.5425956.09  717.5226006.33  717.5226260.38  721.2726641.24  720.64
26793.39  722.8927056.02  739.2827566.73  746.82 27781.8  744.5928171.54  734.79
28561.03  721.2928619.17  720.7329354.48   730.929423.53  732.5130485.67  732.51
30860.62  736.2532342.46  725.0132829.37  728.76 33595.5  728.7634534.56  722.51
34706.09  722.5135070.62   727.335181.92  727.9135563.87  725.0135988.21  725.01
36544.48     70036550.36  698.3736702.44  638.2436867.21  618.7636892.39  619.43
37007.69  625.9937493.54  644.4337926.41  685.3338018.47  691.24 38463.3  692.33
38613.51  680.1938669.71  680.3339058.32  706.2939552.07  719.06 39858.8  726.25
40345.27   728.840729.73  738.3140958.92  739.5141051.76  738.75 41516.6  732.51
 42131.3     74042485.06   735.542814.56  737.5642944.42  735.9143015.34  733.34
43120.96  730.8543475.48  727.5643646.95     73043734.61     730 44770.2  719.72
44866.86   715.945088.66  709.3545322.08   706.245404.96  703.7545613.32  703.75
45641.05   704.645815.86  708.2346095.93  705.4146754.28  686.68 46893.7  684.12
47118.33  684.7847237.53  687.3147774.57  718.7248077.74  730.8849061.02  739.07
49231.94  740.97 49722.2  748.6649856.04  752.5150722.42     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521644.81     .1522047.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21644.8122047.71             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.25    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
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  W.S. Elev (ft)            759.09    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1554461.00   75884.93   1174140.00
  E.G. Slope (ft/ft)      0.000305    Area (sq ft)            1554461.00   75884.93   1174140.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5118459.00   430471.40   2454203.00
  Top Width (ft)          47039.50    Top Width (ft)          18708.19     402.90   27928.40
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.29       5.67       2.09
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.09     188.35      42.04
  Conv. Total (cfs)       458128800.0    Conv. (cfs)            292999500.0   24641770.0   140487600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18728.61     404.33   27970.38
  Min Ch El (ft)            565.06    Shear (lb/sq ft)            1.58       3.58       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.21      20.28       1.67
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28545.77    1434.80   21048.28
  C & E Loss (ft)             0.00    Cum SA (acres)            343.87       7.61     520.37


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267091.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.42  763.06 1413.99     760 1923.49     760 2320.86  763.72
 2403.48  763.72 2541.99    770 2751.25     770 2840.97  765.74 3147.84  744.35
 3678.98  723.67 3937.52  715.62 4545.15  701.73 4648.53  701.64 4780.56  702.51
 5572.28  691.52 5770.47  693.42 6015.68  684.73 6054.16  683.72 6730.15  683.72
 6977.68  674.44 7232.37  656.88  7332.8  653.72 7428.37  653.72 7553.23  658.38
 7827.76  689.14 7889.04  693.72 8072.39  681.17 8128.55  681.17 8168.05  680.32
 8300.58  684.73 8381.06  689.15 8510.84  698.82    8749  709.78 9139.59  717.45
 9376.77  717.45 9399.14   716.6 9542.18  709.09 9654.67  707.4510519.72  704.77
10856.85  687.3611166.43  663.0111195.33  655.8711351.77  651.1511598.28   658.1
11663.67  661.91 12105.1  700.2812445.34     71012955.39  713.7212964.06  713.89
13147.53  709.07 13376.6  696.5813442.36  695.9913565.03  704.8613751.27     720
14123.36     72014180.75  717.0914270.24  713.5514551.92  716.6814745.74  726.92
14819.52     730 15251.1    73015792.33  718.8315978.38  701.7815995.54  698.27
16144.79  676.8716343.08  639.4816364.75  637.8416617.11  625.1117057.55   616.8
17171.57  616.2819543.74  616.2819764.05     620 20139.3     62020544.72  608.83
20715.59  608.8320809.26  602.5521060.37  596.2821600.02  590.0821607.43  589.39
21645.29     58021703.02  572.2121777.04  567.7621851.05  565.0622017.72   574.8
22048.34     58022130.73     631 22191.8  636.23 22395.9  663.3422458.36  667.71
22749.14  661.8622826.69  663.64   23690  712.8423979.46  722.6824416.81  733.81
24674.16  742.5524908.04  733.3725436.24  708.9225473.83  706.2625756.86  697.36
25909.52  711.65 25957.5  717.6626007.76  717.6626261.86  721.3926642.79   720.7
26794.97  722.9427057.65  739.3427568.47  746.8427783.58  744.57 28173.4  734.73
28562.96  721.2228621.12  720.6729356.58  730.9429425.64  732.5530487.99  732.55
30863.01  736.2832345.15  725.1132832.16  728.8333598.45  728.8334537.69  722.55
34709.26  722.5535073.86  727.3635185.18  727.99 35567.2  725.1135991.63  725.11
   36548     70036553.89  698.37   36706  638.1936870.81  618.8336895.98   619.5
37011.31  626.0537497.26  644.5237930.22  685.2938022.29  691.1738467.21  692.25
38617.45  680.0638673.67   680.239062.36  706.25 39556.2  719.0639862.99  726.28
40349.56  728.8440734.09  738.3140963.33  739.5141056.19  738.7641521.12  732.55
42135.95     74042489.78  735.5342819.34  737.6442949.22     73643020.16  733.43
 43125.8  730.9343480.39  727.5743651.89     73043739.57     73044775.37  719.78
44872.04  715.9645093.89  709.3845327.36  706.1845410.26  703.7245618.66  703.72
45646.39  704.5845821.24  708.2546101.36  705.4446759.85   686.746899.29  684.14
47123.97  684.7547243.19  687.2747780.34  718.6848083.57  730.8849067.04  739.07
   49238  740.9649728.35  748.6549862.22  752.4950728.77     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521645.29     .1522048.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21645.2922048.34             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.25    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.09    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1554483.00   75912.38   1173826.00
  E.G. Slope (ft/ft)      0.000305    Area (sq ft)            1554483.00   75912.38   1173826.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5119275.00   430695.60   2453163.00
  Top Width (ft)          47046.23    Top Width (ft)          18708.92     403.05   27934.26
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.29       5.67       2.09
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.09     188.34      42.02
  Conv. Total (cfs)       458054100.0    Conv. (cfs)            292998400.0   24650580.0   140405200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18729.36     404.48   27976.31
  Min Ch El (ft)            565.06    Shear (lb/sq ft)            1.58       3.58       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.21      20.29       1.67
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28367.69    1426.10   20913.79
  C & E Loss (ft)             0.00    Cum SA (acres)            341.72       7.57     517.17


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267086.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.44  763.08 1414.02     760 1923.53     760 2320.91   763.7
 2403.54   763.7 2542.05    770 2751.31     770 2841.03  765.72 3147.91  744.33
 3679.06  723.68 3937.61  715.64 4545.25  701.74 4648.63  701.62 4780.66  702.48
 5572.41  691.49  5770.6  693.36 6015.82   684.7  6054.3   683.7  6730.3   683.7
 6977.83  674.39 7232.53  656.84 7332.96   653.7 7428.54   653.7  7553.4  658.33
 7827.93   689.1 7889.22   693.7 8072.57   681.1 8128.73   681.1 8168.24  680.25
 8300.77  684.71 8381.25  689.14 8511.03  698.83 8749.19  709.78  9139.8   717.4
 9376.98   717.4 9399.35  716.55  9542.4  709.03 9654.88   707.410519.95  704.74
10857.09  687.2811166.68  662.9311195.58  655.7711352.02  651.0811598.54  658.13
11663.93  661.9612105.37  700.3412445.62     71012955.67   713.712964.35  713.87
13147.83     70913376.89  696.4713442.66  695.8913565.33  704.8113751.57     720
14123.68     72014181.06  717.1114270.56   713.614552.25  716.7414746.07  726.94
14819.85     73015251.44    73015792.68   718.915978.73  701.96 15995.9  698.45
16145.15  677.0116343.45  639.5516365.12   637.916617.48  625.1417057.93  616.82
17171.95   616.319544.18   616.3 19764.5     62020139.75     62020545.18   608.9
20716.05   608.920809.72   602.621060.83   596.3 21600.5  590.0921607.91  589.39
21645.78     58021703.63  572.1921777.81  567.7421851.99  565.06 22018.4  574.81
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22048.98     58022131.39  631.1222192.47  636.3222396.61  663.3522459.08  667.73
22749.92  661.7822827.48  663.5523690.97  712.7423980.48  722.6124417.92  733.82
24675.32   742.624909.25  733.3925437.56  708.8825475.15  706.2325758.24  697.37
25910.92  711.7725958.92   717.826009.19   717.826263.34   721.526644.35  720.76
26796.56  722.9827059.29  739.4127570.21  746.8627785.37  744.5528175.26  734.67
 28564.9  721.1528623.07   720.629358.67  730.9829427.75   732.630490.31   732.6
30865.41   736.332347.84   725.232834.95   728.933601.39   728.934540.82   722.6
34712.42   722.635077.09  727.4335188.44  728.0635570.53   725.235995.05   725.2
36551.54     70036557.41  698.3636709.56  638.14 36874.4   618.936899.58  619.56
37014.93  626.1137500.98  644.6137934.02  685.2638026.12   691.138471.12  692.17
38621.39  679.9438677.62  680.0739066.38  706.2139560.32  719.0639867.18   726.3
40353.84  728.8740738.46   738.340967.74  739.5141060.62  738.7741525.64   732.6
42140.59     74042494.49  735.5642824.11  737.7242954.02  736.0943024.98  733.52
43130.64  731.01 43485.3  727.5943656.84     73043744.54     73044780.54  719.85
44877.23  716.0245099.12  709.4245332.63  706.1745415.55   703.745623.99   703.7
45651.73  704.5645826.61  708.26 46106.8  705.4646765.41  686.7346904.88  684.15
 47129.6  684.7247248.85  687.22 47786.1  718.6348089.39  730.8749073.06  739.07
49244.05  740.9649734.51  748.65 49868.4  752.4850735.12     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521645.78     .1522048.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21645.7822048.98             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.24    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.09    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1554521.00   75942.14   1173520.00
  E.G. Slope (ft/ft)      0.000305    Area (sq ft)            1554521.00   75942.14   1173520.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5120089.00   430932.00   2452112.00
  Top Width (ft)          47052.77    Top Width (ft)          18709.61     403.20   27939.95
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.29       5.67       2.09
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.09     188.35      42.00
  Conv. Total (cfs)       457988200.0    Conv. (cfs)            293002800.0   24660560.0   140324800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18730.08     404.63   27982.07
  Min Ch El (ft)            565.06    Shear (lb/sq ft)            1.58       3.58       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.21      20.30       1.67
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28189.62    1417.40   20779.34
  C & E Loss (ft)             0.00    Cum SA (acres)            339.58       7.52     513.97


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267081.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.47  763.09 1414.05     760 1923.58     760 2320.97  763.68
 2403.59  763.68  2542.1    770 2751.37     770  2841.1  765.71 3147.98   744.3
 3679.14  723.69  3937.7  715.66 4545.35  701.74 4648.73  701.61 4780.77  702.46
 5572.53  691.46 5770.73   693.3 6015.95  684.67 6054.43  683.68 6730.45  683.68
 6977.99  674.33 7232.69   656.8 7333.13  653.68  7428.7  653.68 7553.57  658.27
 7828.11  689.06 7889.39  693.68 8072.75  681.03 8128.92  681.03 8168.42  680.19
 8300.95  684.69 8381.44  689.14 8511.22  698.84 8749.38  709.78    9140  717.35
 9377.19  717.35 9399.56   716.5 9542.61  708.97  9655.1  707.3510520.19  704.71
10857.33   687.211166.93  662.8511195.82  655.6711352.28  651.01 11598.8  658.16
11664.19     66212105.64   700.412445.89     71012955.96  713.6812964.64  713.84
13148.12  708.9213377.19  696.3713442.96  695.7913565.63  704.7513751.88     720
14123.99     72014181.38  717.1314270.88  713.6514552.57   716.8 14746.4  726.96
14820.18     73015251.78     73015793.04  718.9715979.09  702.1415996.26  698.63
 16145.5  677.1616343.81  639.6216365.48  637.9716617.85  625.1717058.31  616.84
17172.34  616.3219544.61  616.3219764.94     620 20140.2     62020545.63  608.97
20716.51  608.9720810.18  602.65 21061.3  596.3221600.98  590.0921608.39   589.4
21646.26     58021704.24  572.1821778.59  567.7321852.93  565.0622019.09  574.83
22049.62     58022132.04  631.2422193.13   636.422397.32  663.36 22459.8  667.74
 22750.7  661.7122828.28  663.4723691.94  712.6423981.51  722.5524419.03  733.84
24676.48  742.6524910.46   733.425438.87  708.8425476.47  706.1925759.62  697.39
25912.33  711.8925960.34  717.9426010.62  717.9426264.82  721.62 26645.9  720.82
26798.14  723.0327060.93  739.4827571.95  746.8827787.15  744.5328177.12  734.62
28566.84  721.0828625.02  720.5329360.77  731.0229429.86  732.6530492.63  732.65
 30867.8  736.3232350.54  725.2932837.73  728.9733604.33  728.9734543.95  722.65
34715.58  722.6535080.33  727.4935191.69  728.1435573.86  725.2935998.46  725.29
36555.06     70036560.95  698.3536713.12  638.0936877.99  618.9736903.18  619.63
37018.55  626.1737504.69   644.737937.83  685.2338029.94  691.0338475.03   692.1
38625.33  679.8138681.57  679.9539070.41  706.1739564.45  719.0539871.37  726.32
40358.13   728.940742.82  738.2940972.15  739.5141065.04  738.7841530.16  732.65
42145.23     740 42499.2  735.5942828.89   737.842958.83  736.18 43029.8   733.6
43135.48  731.0943490.21   727.643661.78     730 43749.5     730 44785.7  719.91
44882.42  716.0845104.35  709.4545337.91  706.1545420.84  703.6845629.32  703.68
45657.07  704.5445831.99  708.2746112.23  705.4946770.97  686.7546910.47  684.17
47135.24  684.6947254.51  687.1847791.87  718.5948095.22  730.8749079.09  739.06
49250.11  740.9549740.66  748.6449874.59  752.4650741.48     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521646.26     .1522049.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21646.2622049.62             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.24    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.09    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1554566.00   75971.01   1173207.00
  E.G. Slope (ft/ft)      0.000305    Area (sq ft)            1554566.00   75971.01   1173207.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5120952.00   431155.40   2451026.00
  Top Width (ft)          47059.40    Top Width (ft)          18710.23     403.36   27945.81
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.29       5.68       2.09
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.09     188.35      41.98
  Conv. Total (cfs)       457922800.0    Conv. (cfs)            293010300.0   24669820.0   140242700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18730.73     404.79   27988.01
  Min Ch El (ft)            565.06    Shear (lb/sq ft)            1.58       3.58       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.21      20.31       1.67
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28011.54    1408.70   20644.93
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  C & E Loss (ft)             0.00    Cum SA (acres)            337.44       7.48     510.77


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267076.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1241.5   763.1 1414.08     760 1923.62     760 2321.02  763.65
 2403.64  763.65 2542.16     770 2751.43     770 2841.16  765.69 3148.05  744.27
 3679.22  723.71 3937.78  715.68 4545.45  701.75 4648.84   701.6 4780.88  702.43
 5572.66  691.42 5770.85  693.24 6016.08  684.64 6054.57  683.65  6730.6  683.65
 6978.15  674.27 7232.85  656.75 7333.29  653.65 7428.87  653.65 7553.74  658.22
 7828.28  689.02 7889.57  693.65 8072.93  680.96  8129.1  680.96  8168.6  680.12
 8301.14  684.67 8381.62  689.14 8511.41  698.85 8749.58  709.78  9140.2  717.31
  9377.4  717.31 9399.77  716.45 9542.82  708.92 9655.31  707.3110520.42  704.68
10857.58  687.1111167.17  662.7711196.07  655.5711352.53  650.9411599.05  658.19
11664.45  662.0512105.91  700.4612446.17     71012956.25  713.6512964.92  713.82
13148.41  708.8413377.49  696.2613443.26  695.6913565.93  704.6913752.19     720
14124.31     72014181.69  717.1514271.19   713.7 14552.9  716.8614746.73  726.98
14820.51     73015252.12     73015793.39  719.0415979.44  702.3215996.61  698.81
16145.87   677.316344.18  639.6816365.84  638.0416618.22   625.217058.69  616.86
17172.72  616.3519545.05  616.3519765.38     62020140.64     62020546.09  609.04
20716.97  609.0420810.65  602.6921061.77  596.3521601.47  590.0921608.87   589.4
21646.74     58021704.85  572.1721779.36  567.7221853.86  565.0622019.77  574.85
22050.26     580 22132.7  631.35 22193.8  636.4922398.03  663.3722460.52  667.76
22751.48  661.6322829.07  663.38 23692.9  712.5423982.53  722.4824420.14  733.85
24677.65  742.6924911.67  733.4125440.19   708.825477.79  706.15   25761  697.41
25913.74  712.0125961.76  718.0826012.05  718.08 26266.3  721.7426647.46  720.88
26799.73  723.0727062.56  739.5527573.69   746.927788.93  744.5128178.98  734.56
28568.78     72128626.97  720.4729362.86  731.0629431.96  732.6930494.95  732.69
 30870.2  736.3532353.23  725.3932840.52  729.0433607.27  729.0434547.07  722.69
34718.74  722.6935083.56  727.5635194.95  728.22 35577.2  725.3936001.88  725.39
36558.59     70036564.47  698.3536716.68  638.0436881.59  619.0436906.78  619.69
37022.17  626.2337508.41   644.837941.63  685.1938033.76  690.9638478.94  692.02
38629.27  679.6838685.52  679.8239074.44  706.1339568.58  719.0539875.55  726.35
40362.42  728.9340747.18  738.2940976.55  739.5141069.47  738.7841534.68  732.69
42149.87     74042503.91  735.6142833.67  737.8842963.63  736.2743034.61  733.69
43140.32  731.1743495.12  727.6243666.72     73043754.46     73044790.87  719.98
44887.61  716.1445109.58  709.4945343.19  706.1445426.14  703.6545634.66  703.65
45662.41  704.5245837.36  708.2846117.66  705.5246776.54  686.7846916.06  684.18
47140.88  684.6647260.17  687.1347797.63  718.5548101.05  730.8649085.11  739.06
49256.17  740.9449746.82  748.6449880.77  752.4450747.83     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521646.74     .1522050.26     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21646.7422050.26             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.24    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.09    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1554595.00   76000.18   1172894.00
  E.G. Slope (ft/ft)      0.000306    Area (sq ft)            1554595.00   76000.18   1172894.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5121772.00   431386.40   2449975.00
  Top Width (ft)          47066.13    Top Width (ft)          18710.95     403.52   27951.66
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.29       5.68       2.09
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.08     188.34      41.96
  Conv. Total (cfs)       457851100.0    Conv. (cfs)            293011300.0   24679170.0   140160600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18731.48     404.95   27993.92
  Min Ch El (ft)            565.06    Shear (lb/sq ft)            1.58       3.58       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.22      20.32       1.67
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27833.45    1400.00   20510.55
  C & E Loss (ft)             0.00    Cum SA (acres)            335.29       7.43     507.57


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267071.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.53  763.11 1414.12     760 1923.66     760 2321.07  763.63
  2403.7  763.63 2542.22     770  2751.5     770 2841.22  765.68 3148.13  744.24
  3679.3  723.72 3937.87   715.7 4545.55  701.76 4648.94  701.59 4780.98   702.4
 5572.78  691.39 5770.98  693.18 6016.22  684.61  6054.7  683.63 6730.75  683.63
  6978.3  674.21 7233.01  656.71 7333.45  653.63 7429.03  653.63 7553.91  658.17
 7828.46  688.98 7889.75  693.63 8073.11  680.89 8129.28  680.89 8168.78  680.06
 8301.32  684.65 8381.81  689.14  8511.6  698.85 8749.78  709.78 9140.41  717.26
 9377.61  717.26 9399.98   716.4 9543.04  708.86 9655.53  707.2610520.66  704.65
10857.82  687.0311167.42  662.6911196.32  655.4711352.78  650.8711599.31  658.22
11664.71  662.0912106.18  700.5212446.45     71012956.54  713.6312965.21  713.79
13148.71  708.7613377.79  696.1613443.56  695.5913566.24  704.6413752.49     720
14124.62     72014182.01  717.1614271.51  713.7514553.22  716.9214747.06     727
14820.84     73015252.46     73015793.74  719.11 15979.8  702.4915996.97  698.99
16146.22  677.4516344.54  639.7516366.21   638.116618.59  625.2317059.07  616.88
 17173.1  616.3719545.48  616.3719765.82     62020141.09     62020546.55  609.11
20717.43  609.1120811.11  602.7421062.24  596.3721601.95  590.0921609.35  589.41
21647.22     58021705.46  572.1521780.13  567.71 21854.8  565.0522020.46  574.87
 22050.9     58022133.36  631.4722194.47  636.5822398.74  663.3922461.24  667.77
22752.26  661.5622829.86   663.323693.87  712.4423983.55  722.4224421.26  733.87
24678.81  742.7424912.88  733.42 25441.5  708.7625479.12  706.1125762.37  697.42
25915.15  712.1325963.18  718.2226013.47  718.2226267.78  721.8626649.01  720.94
26801.31  723.11 27064.2  739.6127575.43  746.9227790.71  744.4928180.84   734.5
28570.71  720.9328628.92   720.429364.96   731.129434.07  732.7430497.27  732.74
 30872.6  736.3732355.92  725.4832843.31  729.1133610.21  729.11 34550.2  722.74
 34721.9  722.74 35086.8  727.6235198.21  728.2935580.53  725.48 36005.3  725.48
36562.12     700   36568  698.3436720.24  637.9936885.18  619.1136910.38  619.76
37025.79  626.2937512.13  644.8937945.43  685.1638037.58  690.8938482.85  691.94
38633.21  679.5638689.47  679.6939078.47  706.0939572.71  719.0539879.75  726.37
 40366.7  728.9740751.54  738.2840980.96   739.541073.89  738.79 41539.2  732.74
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42154.51     74042508.62  735.6442838.45  737.9542968.43  736.3543039.43  733.78
43145.16  731.2443500.03  727.6343671.66     73043759.42     73044796.04  720.04
44892.79   716.245114.81  709.5245348.46  706.1345431.43  703.63   45640  703.63
45667.75   704.545842.74  708.2946123.09  705.55 46782.1   686.846921.65   684.2
47146.51  684.6347265.83  687.08 47803.4  718.5148106.88  730.8649091.13  739.06
49262.22  740.9449752.97  748.6349886.95  752.4350754.18     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521647.22     .15 22050.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21647.22 22050.9             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.24    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.08    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1554643.00   76031.32   1172585.00
  E.G. Slope (ft/ft)      0.000306    Area (sq ft)            1554643.00   76031.32   1172585.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5122611.00   431625.80   2448897.00
  Top Width (ft)          47072.61    Top Width (ft)          18711.58     403.68   27957.35
  Vel Total (ft/s)            2.85    Avg. Vel. (ft/s)            3.30       5.68       2.09
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.08     188.35      41.94
  Conv. Total (cfs)       457788800.0    Conv. (cfs)            293019500.0   24689520.0   140079800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18732.14     405.11   27999.70
  Min Ch El (ft)            565.05    Shear (lb/sq ft)            1.58       3.58       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.22      20.33       1.67
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27655.37    1391.29   20376.21
  C & E Loss (ft)             0.00    Cum SA (acres)            333.15       7.38     504.36


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267066.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.55  763.12 1414.15     760  1923.7     760 2321.12  763.61
 2403.75  763.61 2542.27    770 2751.56     770 2841.29  765.66  3148.2  744.22
 3679.39  723.74 3937.96  715.72 4545.66  701.76 4649.04  701.58 4781.09  702.37
 5572.91  691.36 5771.11  693.11 6016.35  684.58 6054.84  683.61  6730.9  683.61
 6978.46  674.15 7233.18  656.67 7333.62  653.61  7429.2  653.61 7554.07  658.12
 7828.63  688.94 7889.92  693.61 8073.29  680.82 8129.46  680.82 8168.96  679.99
 8301.51  684.63    8382  689.13 8511.79  698.86 8749.97  709.78 9140.61  717.21
 9377.82  717.21 9400.19  716.35 9543.25   708.8 9655.75  707.2110520.89  704.62
10858.06  686.9411167.67   662.611196.57  655.3711353.04   650.811599.57  658.25
11664.97  662.1412106.45  700.5812446.73     71012956.83  713.61 12965.5  713.77
   13149  708.6813378.09  696.0513443.86  695.4913566.54  704.58 13752.8     720
14124.94     72014182.33  717.1814271.83   713.814553.54  716.9914747.39  727.02
14821.17     730 15252.8     73015794.09  719.1815980.16  702.6715997.33  699.17
16146.58  677.59 16344.9  639.8216366.57  638.1716618.96  625.2717059.45   616.9
17173.48  616.3919545.92  616.3919766.26     62020141.54     62020547.01  609.18
 20717.9  609.1820811.57  602.7921062.71  596.3921602.43  590.0921609.84  589.41
21647.71     58021706.07  572.14 21780.9   567.721855.74  565.0522021.14  574.88
22051.54     58022134.01  631.5922195.14  636.6622399.45   663.422461.96  667.79
22753.04  661.4822830.66  663.2123694.83  712.3423984.58  722.3524422.37  733.88
24679.97  742.7924914.09  733.4425442.82  708.7225480.44  706.0725763.75  697.44
25916.56  712.24 25964.6  718.36 26014.9  718.3626269.26  721.9726650.57     721
 26802.9  723.1627065.84  739.6827577.17  746.9427792.49  744.47 28182.7  734.44
28572.65  720.8628630.87  720.3329367.05  731.1429436.18  732.7930499.59  732.79
30874.99  736.3932358.61  725.57 32846.1  729.1833613.15  729.1834553.33  722.79
34725.07  722.7935090.03  727.6835201.46  728.3735583.86  725.5736008.72  725.57
36565.65     70036571.53  698.33 36723.8  637.9436888.77  619.1836913.97  619.83
37029.41  626.3537515.84  644.9837949.24  685.13 38041.4  690.8238486.76  691.87
38637.15  679.4338693.43  679.56 39082.5  706.0539576.84  719.0439883.93  726.39
40370.99     729 40755.9  738.2740985.37   739.541078.32   738.841543.71  732.79
42159.15     74042513.34  735.6742843.22  738.0342973.24  736.4443044.25  733.87
   43150  731.3243504.94  727.6543676.61     73043764.38     73044801.21   720.1
44897.98  716.2645120.04  709.5645353.74  706.1145436.73  703.6145645.33  703.61
45673.09  704.4845848.12   708.346128.52  705.5846787.66  686.8346927.25  684.21
47152.14   684.647271.49  687.0447809.16  718.47 48112.7  730.8549097.15  739.05
49268.28  740.9349759.12  748.6349893.12  752.4150760.54     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521647.71     .1522051.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21647.7122051.54             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.24    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.08    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1554687.00   76059.38   1172285.00
  E.G. Slope (ft/ft)      0.000306    Area (sq ft)            1554687.00   76059.38   1172285.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5123439.00   431846.30   2447848.00
  Top Width (ft)          47079.29    Top Width (ft)          18712.26     403.83   27963.20
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.30       5.68       2.09
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.08     188.35      41.92
  Conv. Total (cfs)       457725200.0    Conv. (cfs)            293026100.0   24698690.0   140000400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18732.85     405.25   28005.62
  Min Ch El (ft)            565.05    Shear (lb/sq ft)            1.58       3.58       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.22      20.34       1.67
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27477.27    1382.58   20241.90
  C & E Loss (ft)             0.00    Cum SA (acres)            331.01       7.34     501.16


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267061.*

INPUT
Description:
Station Elevation Data    num=     174
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.58  763.13 1414.18     760 1923.75     760 2321.17  763.58
  2403.8  763.58 2542.33     770 2751.62     770 2841.35  765.65 3148.27  744.19
 3679.47  723.75 3938.05  715.74 4545.76  701.77 4649.15  701.57 4781.19  702.34
 5573.03  691.33 5771.24  693.05 6016.49  684.56 6054.97  683.58 6731.05  683.58
 6978.61   674.1 7233.34  656.62 7333.78  653.58 7429.36  653.58 7554.24  658.06
  7828.8   688.9  7890.1  693.58 8073.47  680.75 8129.64  680.75 8169.15  679.93
 8301.69  684.61 8382.18  689.13 8511.98  698.87 8750.17  709.79 9140.82  717.17
 9378.02  717.17  9400.4   716.3 9543.46  708.74 9655.96  707.1710521.13  704.59
 10858.3  686.8611167.92  662.5211196.82  655.2711353.29  650.7311599.83  658.28
11665.23  662.1812106.72  700.64   12447     71012957.12  713.5812965.79  713.74
13149.29   708.613378.38  695.9513444.16  695.3913566.84  704.5213753.11     720
14125.25     72014182.64   717.214272.15  713.8514553.87  717.0514747.71  727.04
 14821.5     73015253.14     73015794.44  719.2515980.51  702.8515997.68  699.35
16146.94  677.7416345.27  639.8816366.94  638.2416619.33   625.317059.83  616.92
17173.87  616.4219546.35  616.42 19766.7     62020141.99     62020547.46  609.25
20718.36  609.2520812.04  602.8321063.18  596.4221602.91  590.0921610.32  589.41
21648.19     58021706.68  572.1321781.68  567.6921856.67  565.0522021.83   574.9
22052.18     58022134.67  631.7122195.81  636.7522400.15  663.4122462.68   667.8
22753.82  661.4122831.45  663.13 23695.8  712.23 23985.6  722.2924423.48   733.9
24681.13  742.8324915.29  733.4525444.13  708.6725481.76  706.0325765.13  697.46
25917.97  712.3625966.01   718.526016.33   718.526270.74  722.0926652.12  721.05
26804.48   723.227067.48  739.7527578.91  746.9627794.28  744.4528184.56  734.39
28574.59  720.7928632.82  720.2629369.15  731.1829438.29  732.8330501.91  732.83
30877.39  736.42 32361.3  725.6732848.89  729.2533616.09  729.2534556.46  722.83
34728.23  722.8335093.27  727.7535204.72  728.44 35587.2  725.6736012.14  725.67
36569.18     70036575.06  698.3336727.36  637.8836892.36  619.2536917.57  619.89
37033.03  626.4137519.56  645.0737953.04  685.0938045.23  690.7538490.67  691.79
38641.09  679.3138697.38  679.4439086.53  706.0139580.96  719.0439888.12  726.42
40375.27  729.0340760.27  738.2740989.78   739.541082.75  738.8141548.23  732.83
 42163.8     74042518.05   735.7   42848  738.1142978.04  736.5343049.07  733.95
43154.84   731.443509.85  727.6643681.55     73043769.34     73044806.38  720.17
44903.16  716.3245125.27  709.5945359.02   706.145442.02  703.5845650.67  703.58
45678.44  704.4645853.49  708.3146133.95  705.6146793.22  686.8546932.84  684.23
47157.78  684.5747277.14  686.9947814.93  718.4248118.53  730.8449103.18  739.05
49274.34  740.9349765.28  748.6249899.31   752.450766.89     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521648.19     .1522052.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21648.1922052.18              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.24    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.08    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)        1554706.00   76088.98   1171978.00
  E.G. Slope (ft/ft)      0.000306    Area (sq ft)             1554706.00   76088.98   1171978.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5124227.00   432080.00   2446826.00
  Top Width (ft)          47085.77    Top Width (ft)           18712.88     403.99   27968.89
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)             3.30       5.68       2.09
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)            83.08     188.34      41.90
  Conv. Total (cfs)       457653500.0    Conv. (cfs)            293025300.0   24708190.0   139920000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         18733.51     405.41   28011.39
  Min Ch El (ft)            565.05    Shear (lb/sq ft)             1.58       3.58       0.80
  Alpha                       1.23    Stream Power (lb/ft s)       5.22      20.35       1.67
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27299.17    1373.86   20107.63
  C & E Loss (ft)             0.00    Cum SA (acres)            328.86       7.29     497.96


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267056.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.61  763.14 1414.21     760 1923.79     760 2321.23  763.56
 2403.86  763.56 2542.39     770 2751.68     770 2841.41  765.63 3148.34  744.16
 3679.55  723.76 3938.13  715.77 4545.86  701.77 4649.25  701.56  4781.3  702.32
 5573.15   691.3 5771.37  692.99 6016.62  684.53 6055.11  683.56  6731.2  683.56
 6978.77  674.04  7233.5  656.58 7333.94  653.56 7429.53  653.56 7554.41  658.01
 7828.98  688.86 7890.27  693.56 8073.65  680.68 8129.82  680.68 8169.33  679.86
 8301.88  684.59 8382.37  689.13 8512.17  698.88 8750.36  709.79 9141.02  717.12
 9378.23  717.12 9400.61  716.25 9543.67  708.69 9656.18  707.1210521.36  704.56
10858.54  686.7711168.17  662.4411197.07  655.1711353.54  650.6611600.09  658.31
11665.49  662.2212106.99  700.712447.28     71012957.41  713.5612966.08  713.72
13149.58  708.5313378.68  695.8513444.46  695.2813567.14  704.4713753.41     720
14125.57     72014182.96  717.2214272.47   713.914554.19  717.1114748.04  727.06
14821.83     73015253.48     73015794.79  719.3215980.87  703.0315998.04  699.53
 16147.3  677.8816345.63  639.95 16367.3   638.316619.71  625.3317060.21  616.94
17174.25  616.4419546.79  616.4419767.14     62020142.44     62020547.92  609.32
20718.82  609.32 20812.5  602.8821063.65  596.4421603.39  590.09 21610.8  589.42
21648.67     58021707.29  572.1121782.45  567.6821857.61  565.0522022.52  574.92
22052.82     58022135.32  631.8322196.47  636.8422400.86  663.42 22463.4  667.81
 22754.6  661.3322832.25  663.0423696.77  712.1323986.63  722.2224424.59  733.91
 24682.3  742.88 24916.5  733.4625445.45  708.6325483.08  705.9925766.51  697.47
25919.38  712.4825967.43  718.6426017.76  718.6426272.21  722.2126653.68  721.11
26806.07  723.2527069.12  739.8127580.64  746.9827796.06  744.4328186.42  734.33
28576.53  720.7228634.77   720.229371.24  731.22 29440.4  732.8830504.23  732.88
30879.78  736.4432363.99  725.7632851.68  729.3233619.03  729.3234559.59  722.88
34731.39  722.88 35096.5  727.8135207.98  728.5235590.53  725.7636015.55  725.76
 36572.7     70036578.59  698.3236730.92  637.8336895.96  619.3236921.16  619.96
37036.65  626.4737523.28  645.1637956.84  685.0638049.05  690.6838494.58  691.71
38645.03  679.1838701.33  679.3139090.56  705.9739585.09  719.0439892.31  726.44
40379.56  729.0740764.63  738.2640994.19   739.541087.18  738.8141552.75  732.88
42168.44     74042522.76  735.7342852.78  738.1942982.84  736.6243053.88  734.04
43159.67  731.4843514.76  727.68 43686.5     730 43774.3     73044811.54  720.23
44908.35  716.38 45130.5  709.63 45364.3  706.0845447.32  703.56   45656  703.56
45683.78  704.4445858.87  708.3246139.39  705.6446798.79  686.8846938.43  684.24
47163.41  684.54 47282.8  686.95 47820.7  718.3848124.36  730.84 49109.2  739.05
49280.39  740.9249771.43  748.6249905.49  752.3850773.25     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521648.67     .1522052.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      21648.6722052.82             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.23    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.08    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1554749.00   76118.96   1171664.00
  E.G. Slope (ft/ft)      0.000306    Area (sq ft)            1554749.00   76118.96   1171664.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5125072.00   432313.80   2445748.00
  Top Width (ft)          47092.50    Top Width (ft)          18713.61     404.15   27974.74
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.30       5.68       2.09
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.08     188.34      41.88
  Conv. Total (cfs)       457586500.0    Conv. (cfs)            293030700.0   24717940.0   139837900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18734.27     405.57   28017.32
  Min Ch El (ft)            565.05    Shear (lb/sq ft)            1.58       3.58       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.22      20.36       1.67
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27121.07    1365.15   19973.39
  C & E Loss (ft)             0.00    Cum SA (acres)            326.72       7.24     494.75


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267051.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.64  763.16 1414.24     760 1923.83     760 2321.28  763.54
 2403.91  763.54 2542.44    770 2751.74     770 2841.48  765.61 3148.41  744.13
 3679.63  723.78 3938.22  715.79 4545.96  701.78 4649.36  701.55 4781.41  702.29
 5573.28  691.27  5771.5  692.93 6016.75   684.5 6055.24  683.54 6731.35  683.54
 6978.92  673.98 7233.66  656.54 7334.11  653.54  7429.7  653.54 7554.58  657.96
 7829.15  688.82 7890.45  693.54 8073.83  680.61    8130  680.61 8169.51   679.8
 8302.06  684.57 8382.56  689.12 8512.36  698.88 8750.55  709.79 9141.22  717.07
 9378.44  717.07 9400.82   716.2 9543.89  708.63 9656.39  707.07 10521.6  704.53
10858.79  686.6911168.42  662.3611197.32  655.0711353.79  650.5911600.35  658.34
11665.75  662.2712107.26  700.7612447.56     710 12957.7  713.5412966.37   713.7
13149.88  708.4513378.98  695.7413444.76  695.1813567.45  704.4113753.72     720
14125.88     72014183.27  717.2414272.78  713.9514554.52  717.1714748.37  727.08
14822.16     73015253.82     73015795.15  719.3915981.22   703.2 15998.4  699.71
16147.66  678.03   16346  640.0116367.67  638.3716620.07  625.3617060.59  616.96
17174.63  616.4619547.22  616.4619767.58     62020142.89     62020548.38  609.39
20719.28  609.3920812.97  602.9321064.12  596.4621603.87  590.0921611.28  589.42
21649.15     580 21707.9   572.121783.22  567.6721858.55  565.05 22023.2  574.94
22053.46     58022135.98  631.9522197.14  636.9222401.57  663.4322464.12  667.83
22755.38  661.2622833.04  662.9523697.73  712.0323987.65  722.16 24425.7  733.92
24683.46  742.9324917.71  733.4825446.76  708.59 25484.4  705.9525767.89  697.49
25920.79   712.625968.85  718.7826019.19  718.7826273.69  722.3226655.23  721.17
26807.65  723.2927070.75  739.8827582.38     74727797.84  744.4128188.28  734.27
28578.46  720.6528636.71  720.1329373.34  731.2629442.51  732.9330506.55  732.93
30882.18  736.4632366.68  725.8532854.46  729.3933621.97  729.3934562.71  722.93
34734.55  722.9335099.73  727.8835211.23  728.5935593.86  725.8536018.97  725.85
36576.23     70036582.12  698.3236734.48  637.7836899.55  619.3936924.76  620.02
37040.27  626.53   37527  645.2537960.65  685.0338052.87  690.6138498.49  691.63
38648.97  679.0538705.28  679.1839094.59  705.9339589.22  719.03 39896.5  726.46
40383.84   729.140768.99  738.2640998.59   739.5 41091.6  738.8241557.27  732.93
42173.08     74042527.47  735.7542857.56  738.2642987.65  736.71 43058.7  734.13
43164.51  731.5643519.67  727.6943691.44     73043779.26     73044816.71   720.3
44913.54  716.4445135.73  709.6645369.57  706.0745452.61  703.5445661.34  703.54
45689.12  704.4245864.25  708.3346144.82  705.6746804.35   686.946944.02  684.26
47169.05  684.5147288.46   686.947826.46  718.3448130.18  730.8349115.22  739.04
49286.45  740.9149777.59  748.6149911.67  752.37 50779.6     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521649.15     .1522053.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21649.1522053.46             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.23    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.08    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1554792.00   76148.20   1171369.00
  E.G. Slope (ft/ft)      0.000306    Area (sq ft)            1554792.00   76148.20   1171369.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5125876.00   432537.30   2444720.00
  Top Width (ft)          47099.07    Top Width (ft)          18714.33     404.31   27980.44
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.30       5.68       2.09
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.08     188.34      41.86
  Conv. Total (cfs)       457523700.0    Conv. (cfs)            293036400.0   24727330.0   139760000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18735.02     405.73   28023.09
  Min Ch El (ft)            565.05    Shear (lb/sq ft)            1.59       3.59       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.23      20.36       1.67
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26942.97    1356.42   19839.18
  C & E Loss (ft)             0.00    Cum SA (acres)            324.58       7.20     491.55


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267046.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.66  763.17 1414.27     760 1923.88     760 2321.33  763.51
 2403.96  763.51  2542.5    770  2751.8     770 2841.54   765.6 3148.48  744.11
 3679.71  723.79 3938.31  715.81 4546.06  701.79 4649.46  701.54 4781.51  702.26
  5573.4  691.23 5771.63  692.87 6016.89  684.47 6055.38  683.51  6731.5  683.51
 6979.08  673.92 7233.82  656.49 7334.27  653.51 7429.86  653.51 7554.75  657.91
 7829.33  688.78 7890.62  693.51 8074.01  680.54 8130.18  680.54 8169.69  679.73
 8302.25  684.55 8382.74  689.12 8512.55  698.89 8750.75  709.79 9141.43  717.03
 9378.65  717.03 9401.03  716.15  9544.1  708.57 9656.61  707.0310521.83   704.5
10859.03   686.611168.67  662.2811197.57  654.9711354.05  650.5211600.61  658.37
11666.01  662.3112107.53  700.8312447.84     71012957.98  713.5112966.66  713.67
13150.17  708.3713379.28  695.6413445.06  695.0813567.75  704.3613754.03     720
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 14126.2     72014183.59  717.26 14273.1     71414554.84  717.24 14748.7  727.09
14822.49     73015254.16     730 15795.5  719.4615981.58  703.3815998.75  699.89
16148.02  678.1816346.36  640.0816368.03  638.4416620.45  625.3917060.97  616.98
17175.02  616.4919547.66  616.4919768.02     62020143.34     62020548.84  609.46
20719.74  609.4620813.43  602.9721064.59  596.4921604.35  590.0921611.76  589.43
21649.63     58021708.51  572.08   21784  567.6621859.48  565.0522023.89  574.96
 22054.1     58022136.63  632.0722197.81  637.0122402.28  663.4522464.84  667.84
22756.15  661.1822833.84  662.87 23698.7  711.9323988.68  722.0924426.81  733.94
24684.62  742.9724918.92  733.4925448.07  708.5525485.72  705.9125769.27  697.51
25922.19  712.7225970.27  718.9226020.62  718.9226275.17  722.4426656.79  721.23
26809.24  723.3427072.39  739.9527584.12  747.0227799.62  744.3928190.14  734.22
 28580.4  720.5828638.66  720.0629375.44   731.329444.62  732.9730508.88  732.97
30884.57  736.4932369.37  725.9532857.25  729.4633624.91  729.4634565.84  722.97
34737.71  722.9735102.97  727.9435214.49  728.67 35597.2  725.9536022.39  725.95
36579.76     70036585.65  698.3136738.04  637.7336903.14  619.4636928.36  620.09
37043.89  626.5937530.71  645.3437964.45  684.9938056.69  690.54 38502.4  691.56
38652.91  678.9338709.23  679.0639098.62  705.8939593.34  719.0339900.69  726.49
40388.13  729.1340773.35  738.25   41003   739.541096.03  738.8341561.79  732.97
42177.72     74042532.18  735.7842862.34  738.3442992.45  736.7943063.52  734.22
43169.35  731.6443524.58  727.7143696.38     73043784.22     73044821.88  720.36
44918.73   716.545140.97   709.745374.85  706.05 45457.9  703.5145666.68  703.51
45694.46   704.445869.62  708.3546150.25  705.6946809.91  686.9346949.61  684.28
47174.69  684.4847294.12  686.8647832.23   718.348136.01  730.8349121.24  739.04
49292.51  740.9149783.74  748.6149917.85  752.3550785.95     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521649.63     .15 22054.1     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21649.63 22054.1             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.23    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.08    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1554814.00   76177.80   1171037.00
  E.G. Slope (ft/ft)      0.000306    Area (sq ft)            1554814.00   76177.80   1171037.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5126731.00   432777.10   2443625.00
  Top Width (ft)          47105.66    Top Width (ft)          18714.91     404.47   27986.29
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.30       5.68       2.09
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.08     188.34      41.84
  Conv. Total (cfs)       457448200.0    Conv. (cfs)            293037000.0   24736950.0   139674300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18735.63     405.89   28029.02
  Min Ch El (ft)            565.05    Shear (lb/sq ft)            1.59       3.59       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.23      20.37       1.67
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26764.86    1347.70   19705.02
  C & E Loss (ft)             0.00    Cum SA (acres)            322.43       7.15     488.34


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267042.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.69  763.18  1414.3     760 1923.92     760 2321.38  763.49
 2404.02  763.49 2542.56     770 2751.86     770  2841.6  765.58 3148.55  744.08
  3679.8   723.8  3938.4  715.83 4546.16  701.79 4649.56  701.53 4781.62  702.23
 5573.53   691.2 5771.75   692.8 6017.02  684.44 6055.51  683.49 6731.65  683.49
 6979.23  673.86 7233.98  656.45 7334.43  653.49 7430.03  653.49 7554.92  657.85
  7829.5  688.74  7890.8  693.49 8074.19  680.47 8130.37  680.47 8169.87  679.67
 8302.43  684.53 8382.93  689.12 8512.74   698.9 8750.95  709.79 9141.63  716.98
 9378.86  716.98 9401.24   716.1 9544.31  708.52 9656.82  706.9810522.06  704.47
10859.27  686.5211168.92  662.1911197.82  654.87 11354.3  650.4511600.86   658.4
11666.27  662.36 12107.8  700.8912448.11     71012958.27  713.4912966.95  713.65
13150.46  708.2913379.58  695.5313445.36  694.9813568.05   704.313754.33     720
14126.51     72014183.91  717.2714273.42  714.0514555.17   717.314749.03  727.11
14822.82     730 15254.5     73015795.85  719.5315981.94  703.5615999.11  700.07
16148.38  678.3216346.73  640.15 16368.4   638.516620.81  625.4217061.35     617
 17175.4  616.51 19548.1  616.5119768.46     62020143.79     620 20549.3  609.53
20720.21  609.5320813.89  603.0221065.06  596.5121604.84  590.0921612.24  589.43
21650.12     58021709.12  572.0721784.77  567.6521860.42  565.0422024.57  574.97
22054.74     58022137.29  632.1922198.48   637.122402.99  663.4622465.56  667.86
22756.93  661.1122834.63  662.7823699.67  711.83 23989.7  722.0324427.92  733.95
24685.79  743.0224920.13   733.525449.39  708.5125487.05  705.8725770.64  697.52
 25923.6  712.8325971.69  719.0626022.04  719.0626276.65  722.5626658.34  721.29
26810.82  723.3827074.03  740.0127585.86  747.04 27801.4  744.37   28192  734.16
28582.34  720.5128640.61     72029377.53  731.3429446.73  733.02 30511.2  733.02
30886.97  736.5132372.06  726.0432860.04  729.5333627.85  729.5334568.97  723.02
34740.88  723.02 35106.2  728.0135217.75  728.7435600.53  726.04 36025.8  726.04
36583.29     70036589.18   698.3 36741.6  637.6836906.73  619.5336931.96  620.16
37047.52  626.6537534.43  645.4437968.25  684.9638060.51  690.4738506.31  691.48
38656.85   678.838713.18  678.9339102.64  705.8639597.47  719.0339904.88  726.51
40392.42  729.1740777.71  738.2441007.41  739.4941100.45  738.8441566.31  733.02
42182.36     740 42536.9  735.8142867.11  738.4242997.26  736.8843068.34   734.3
43174.19  731.7143529.49  727.7243701.33     73043789.18     73044827.04  720.43
44923.91  716.56 45146.2  709.7345380.13  706.04 45463.2  703.4945672.01  703.49
 45699.8  704.38   45875  708.3646155.68  705.7246815.47  686.95 46955.2  684.29
47180.32  684.4547299.78  686.81   47838  718.2548141.84  730.8249127.27  739.04
49298.56   740.949789.89   748.649924.03  752.33 50792.3     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521650.12     .1522054.74     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21650.1222054.74             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.23    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.07    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1554870.00   76207.83   1170731.00
  E.G. Slope (ft/ft)      0.000306    Area (sq ft)            1554870.00   76207.83   1170731.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5127584.00   433010.40   2442539.00
  Top Width (ft)          47112.39    Top Width (ft)          18715.64     404.62   27992.13
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.30       5.68       2.09
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  Max Chl Dpth (ft)          194.03    Hydr. Depth (ft)           83.08     188.34      41.82
  Conv. Total (cfs)        457387400.0    Conv. (cfs)            293046700.0   24746990.0   139593600.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18736.39     406.04   28034.95
  Min Ch El (ft)             565.04    Shear (lb/sq ft)            1.59       3.59       0.80
  Alpha                        1.23    Stream Power (lb/ft s)      5.23      20.38       1.67
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    26586.74    1338.97   19570.89
  C & E Loss (ft)              0.00    Cum SA (acres)            320.29       7.11     485.14


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267037.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.72  763.19 1414.34     760 1923.96     760 2321.43  763.47
 2404.07  763.47 2542.61     770 2751.92     770 2841.67  765.57 3148.62  744.05
 3679.88  723.82 3938.49  715.85 4546.26   701.8 4649.67  701.52 4781.73   702.2
 5573.65  691.17 5771.88  692.74 6017.16  684.41 6055.65  683.47  6731.8  683.47
 6979.39   673.8 7234.14  656.41  7334.6  653.47 7430.19  653.47 7555.08   657.8
 7829.68   688.7 7890.98  693.47 8074.37   680.4 8130.55   680.4 8170.06   679.6
 8302.62  684.51 8383.12  689.11 8512.93  698.91 8751.14  709.79 9141.83  716.93
 9379.07  716.93 9401.45  716.05 9544.52  708.46 9657.04  706.93 10522.3  704.44
10859.51  686.4411169.17  662.1111198.07  654.7711354.55  650.3811601.12  658.43
11666.53   662.412108.07  700.9512448.39    71012958.56  713.4712967.24  713.62
13150.76  708.2113379.88  695.4313445.66  694.8813568.35  704.2413754.64     720
14126.83     72014184.22  717.2914273.74   714.114555.49  717.3614749.36  727.13
14823.15     73015254.84     730 15796.2   719.615982.29  703.7415999.47  700.25
16148.74  678.4716347.09  640.2116368.76  638.5716621.19  625.4517061.73  617.02
17175.78  616.5319548.53  616.53 19768.9    62020144.23    62020549.76   609.6
20720.67   609.620814.36  603.0721065.53  596.5321605.32  590.0921612.72  589.43
 21650.6     58021709.73  572.0621785.54  567.6321861.36  565.0422025.26  574.99
22055.38     58022137.95  632.3122199.15  637.18 22403.7  663.4722466.29  667.87
22757.71  661.0322835.43   662.723700.63  711.7323990.72  721.9624429.04  733.97
24686.95  743.0724921.34  733.51 25450.7  708.4725488.37  705.8325772.02  697.54
25925.01  712.9525973.11   719.226023.47   719.226278.13  722.68 26659.9  721.35
26812.41  723.4327075.66  740.08 27587.6  747.0627803.19  744.3528193.86   734.1
28584.28  720.4428642.56  719.9329379.63  731.3929448.84  733.0730513.52  733.07
30889.37  736.5332374.75  726.1432862.82   729.633630.79   729.6 34572.1  723.07
34744.04  723.0735109.44  728.07   35221  728.8235603.86  726.1436029.22  726.14
36586.82     70036592.71   698.336745.16  637.6336910.32   619.636935.55  620.22
37051.14  626.7137538.15  645.5337972.06  684.9338064.34   690.438510.22   691.4
38660.79  678.6838717.14   678.839106.68  705.82 39601.6  719.0239909.07  726.53
 40396.7   729.240782.08  738.2441011.82  739.4941104.88  738.8541570.83  733.07
   42187     74042541.61  735.8442871.89   738.543002.06  736.9743073.16  734.39
43179.03  731.79 43534.4  727.7443706.27    73043794.14    73044832.21  720.49
 44929.1  716.6245151.43  709.7745385.41  706.0345468.49  703.4745677.34  703.47
45705.14  704.3645880.37  708.3746161.11  705.7546821.04  686.9846960.79  684.31
47185.96  684.4247305.44  686.7647843.76  718.2148147.66  730.8249133.29  739.03
49304.62   740.949796.05   748.649930.21  752.3250798.66     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21650.6     .1522055.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21650.622055.38             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.23    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.07    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                       Flow Area (sq ft)       1554913.00   76237.94   1170387.00
  E.G. Slope (ft/ft)      0.000306     Area (sq ft)            1554913.00   76237.94   1170387.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5128496.00   433249.70   2441388.00
  Top Width (ft)          47118.86     Top Width (ft)          18716.26     404.78   27997.83
  Vel Total (ft/s)            2.86     Avg. Vel. (ft/s)            3.30       5.68       2.09
  Max Chl Dpth (ft)          194.03    Hydr. Depth (ft)           83.08     188.34      41.80
  Conv. Total (cfs)       457316500.0    Conv. (cfs)            293053400.0   24756830.0   139506200.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18737.04     406.20   28040.71
  Min Ch El (ft)             565.04    Shear (lb/sq ft)            1.59       3.59       0.80
  Alpha                        1.23    Stream Power (lb/ft s)      5.23      20.39       1.66
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    26408.62    1330.24   19436.79
  C & E Loss (ft)              0.00    Cum SA (acres)            318.14       7.06     481.93


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267032.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.75   763.2 1414.37     760    1924     760 2321.48  763.44
 2404.13  763.44 2542.67     770 2751.99     770 2841.73  765.55 3148.69  744.02
 3679.96  723.83 3938.57  715.87 4546.36  701.81 4649.77  701.51 4781.83  702.18
 5573.77  691.14 5772.01  692.68 6017.29  684.38 6055.78  683.44 6731.95  683.44
 6979.55  673.75  7234.3  656.36 7334.76  653.44 7430.36  653.44 7555.25  657.75
 7829.85  688.66 7891.15  693.44 8074.55  680.33 8130.73  680.33 8170.24  679.54
  8302.8  684.49  8383.3  689.11 8513.12  698.91 8751.33  709.79 9142.04  716.89
 9379.28  716.89 9401.66     716 9544.74   708.4 9657.25  706.8910522.53  704.41
10859.75  686.3511169.42  662.0311198.32  654.6711354.81  650.3111601.38  658.46
11666.79  662.4512108.34  701.0112448.67    71012958.85  713.4412967.52   713.6
13151.05  708.1413380.17  695.3213445.96  694.7813568.66  704.1913754.95     720
14127.14     72014184.54  717.3114274.06  714.1514555.81  717.4214749.69  727.15
14823.48     73015255.18     73015796.56  719.6715982.65  703.9115999.82  700.43
 16149.1  678.6116347.45  640.2816369.13  638.6416621.56  625.4817062.11  617.04
17176.16  616.5619548.97  616.5619769.34    62020144.68    62020550.21  609.67
20721.13  609.6720814.82  603.11   21066  596.56 21605.8  590.0921613.21  589.44
21651.08     58021710.34  572.0421786.32  567.6221862.29  565.0422025.94  575.01
22056.02     580 22138.6  632.4322199.81  637.27 22404.4  663.4822467.01  667.89
22758.49  660.9622836.22  662.61 23701.6  711.6323991.75   721.924430.15  733.98
24688.11  743.1124922.55  733.5325452.02  708.4325489.69  705.79 25773.4  697.56
25926.42  713.0725974.52  719.34 26024.9  719.3426279.61  722.7926661.45   721.4
26813.99  723.47 27077.3  740.1527589.34  747.0827804.97  744.3328195.71  734.05
28586.21  720.3728644.51  719.8629381.72  731.4329450.95  733.1130515.84  733.11
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30891.76  736.5632377.44  726.2332865.61  729.6733633.73  729.6734575.22  723.11
 34747.2  723.1135112.67  728.1435224.26   728.935607.19  726.2336032.64  726.23
36590.34     70036596.24  698.2936748.72  637.5736913.92  619.6736939.15  620.29
37054.76  626.7737541.87  645.6237975.86  684.8938068.16  690.3338514.13  691.33
38664.73  678.5538721.09  678.68 39110.7  705.7839605.73  719.0239913.25  726.56
40400.99  729.2340786.44  738.2341016.23  739.4941109.31  738.8541575.35  733.11
42191.64     74042546.32  735.8742876.67  738.5843006.86  737.0643077.97  734.48
43183.87  731.8743539.31  727.7643711.21     73043799.11     73044837.38  720.55
44934.29  716.6845156.66   709.845390.68  706.0145473.79  703.4445682.68  703.44
45710.48  704.3445885.75  708.3846166.54  705.78 46826.6     68746966.38  684.32
47191.59  684.39 47311.1  686.7247849.53  718.1748153.49  730.8149139.31  739.03
49310.68  740.89 49802.2  748.5949936.39   752.350805.02     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521651.08     .1522056.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21651.0822056.02             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.23    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.07    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1554933.00   76267.49   1170099.00
  E.G. Slope (ft/ft)      0.000306    Area (sq ft)            1554933.00   76267.49   1170099.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5129239.00   433483.10   2440411.00
  Top Width (ft)          47125.59    Top Width (ft)          18716.98     404.94   28003.68
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.30       5.68       2.09
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.08     188.34      41.78
  Conv. Total (cfs)       457247500.0    Conv. (cfs)            293051700.0   24766440.0   139429400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18737.80     406.36   28046.65
  Min Ch El (ft)            565.04    Shear (lb/sq ft)            1.59       3.59       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.24      20.40       1.66
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26230.50    1321.50   19302.74
  C & E Loss (ft)             0.00    Cum SA (acres)            316.00       7.01     478.72


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267027.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.78  763.21  1414.4     760 1924.05     760 2321.54  763.42
 2404.18  763.42 2542.73    770 2752.05     770 2841.79  765.53 3148.76     744
 3680.04  723.85 3938.66  715.89 4546.47  701.81 4649.87   701.5 4781.94  702.15
  5573.9  691.11 5772.14  692.62 6017.42  684.35 6055.92  683.42  6732.1  683.42
  6979.7  673.69 7234.47  656.32 7334.93  653.42 7430.52  653.42 7555.42   657.7
 7830.03  688.62 7891.33  693.42 8074.73  680.26 8130.91  680.26 8170.42  679.47
 8302.99  684.47 8383.49  689.11  8513.3  698.92 8751.53   709.8 9142.24  716.84
 9379.49  716.84 9401.87  715.95 9544.95  708.34 9657.47  706.8410522.77  704.38
   10860  686.2711169.66  661.9511198.57  654.5711355.06  650.2411601.64  658.49
11667.05  662.4912108.61  701.0712448.95     71012959.14  713.4212967.81  713.57
13151.34  708.0613380.47  695.2213446.26  694.6813568.96  704.1313755.25     720
14127.45     72014184.85  717.3314274.37   714.214556.14  717.4814750.02  727.17
14823.81     73015255.52     73015796.91  719.74   15983  704.0916000.18  700.61
16149.46  678.7616347.82  640.3416369.49   638.716621.93  625.5117062.49  617.06
17176.54  616.58 19549.4  616.5819769.78     62020145.13     62020550.67  609.74
20721.59  609.7420815.29  603.1621066.47  596.5821606.28  590.0921613.69  589.44
21651.56     58021710.95  572.0321787.09  567.6121863.23  565.0422026.63  575.03
22056.66     58022139.26  632.5522200.48  637.3622405.11   663.522467.73   667.9
22759.27  660.8922837.01  662.5223702.56  711.5223992.77  721.8424431.26  733.99
24689.27  743.1624923.76  733.5425453.33  708.3825491.01  705.7525774.78  697.57
25927.83  713.1925975.94  719.4826026.33  719.4826281.09  722.9126663.01  721.46
26815.58  723.5127078.94  740.2227591.08   747.127806.75  744.3128197.57  733.99
28588.15   720.328646.46   719.829383.82  731.4729453.06  733.1630518.16  733.16
30894.16  736.5832380.13  726.32 32868.4  729.7433636.67  729.7434578.35  723.16
34750.36  723.1635115.91   728.235227.52  728.9735610.53  726.3236036.06  726.32
36593.87     70036599.77  698.2936752.28  637.5236917.51  619.7436942.75  620.35
37058.38  626.8337545.59  645.7137979.67  684.8638071.98  690.2638518.04  691.25
38668.68  678.4238725.04  678.5539114.73  705.7439609.86  719.0239917.44  726.58
40405.27  729.26 40790.8  738.2241020.64  739.4941113.73  738.8641579.87  733.16
42196.29     74042551.03   735.942881.45  738.6543011.67  737.1543082.79  734.57
43188.71  731.9543544.21  727.7743716.16     73043804.07     73044842.55  720.62
44939.47  716.7445161.89  709.8445395.96     70645479.08  703.4245688.02  703.42
45715.82  704.3245891.12  708.3946171.98  705.8146832.16  687.0346971.97  684.34
47197.23  684.3647316.76  686.67 47855.3  718.1348159.31  730.8149145.34  739.03
49316.73  740.8849808.36  748.5949942.57  752.2950811.37     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521651.56     .1522056.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21651.5622056.66             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.23    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.07    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1554974.00   76296.90   1169786.00
  E.G. Slope (ft/ft)      0.000306    Area (sq ft)            1554974.00   76296.90   1169786.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5130078.00   433711.90   2439343.00
  Top Width (ft)          47132.13    Top Width (ft)          18717.66     405.10   28009.37
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.30       5.68       2.09
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.08     188.34      41.76
  Conv. Total (cfs)       457181000.0    Conv. (cfs)            293057000.0   24775900.0   139348100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18738.52     406.52   28052.42
  Min Ch El (ft)            565.04    Shear (lb/sq ft)            1.59       3.59       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.24      20.41       1.66
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26052.37    1312.77   19168.71
  C & E Loss (ft)             0.00    Cum SA (acres)            313.86       6.97     475.51


CROSS SECTION
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RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267022.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800  1241.8  763.22 1414.43     760 1924.09     760 2321.59   763.4
  2404.23   763.4 2542.78     770 2752.11     770 2841.86  765.52 3148.83  743.97
  3680.12  723.86 3938.75  715.91 4546.57  701.82 4649.98  701.49 4782.05  702.12
  5574.02  691.08 5772.27  692.56 6017.56  684.32 6056.05   683.4 6732.25   683.4
  6979.86  673.63 7234.63  656.28 7335.09   653.4 7430.69   653.4 7555.59  657.64
   7830.2  688.57  7891.5   693.4 8074.91  680.19 8131.09  680.19  8170.6  679.41
  8303.17  684.45 8383.68   689.1  8513.5  698.93 8751.72   709.8 9142.45  716.79
   9379.7  716.79 9402.08   715.9 9545.16  708.29 9657.68  706.79   10523  704.35
 10860.24  686.1811169.91  661.8711198.82  654.4711355.31  650.17 11601.9  658.52
 11667.31  662.5412108.88  701.1312449.22     71012959.43   713.4 12968.1  713.55
 13151.64  707.9813380.77  695.1213446.56  694.5813569.26  704.0713755.56     720
 14127.77     72014185.17  717.3514274.69  714.2514556.46  717.5514750.34  727.19
 14824.15     73015255.86     73015797.26  719.8115983.36  704.2716000.54  700.79
 16149.82   678.916348.18  640.4116369.86  638.77 16622.3  625.5417062.87  617.08
 17176.93   616.619549.84   616.619770.22     62020145.58     62020551.13  609.81
 20722.05  609.8120815.75  603.2121066.94   596.621606.76  590.0921614.17  589.44
 21652.05     58021711.56  572.0121787.87   567.621864.17  565.0422027.31  575.05
 22057.29     58022139.91  632.6722201.15  637.4422405.82  663.5122468.45  667.92
 22760.05  660.8122837.81  662.4423703.53  711.42 23993.8  721.7724432.37  734.01
 24690.44  743.2124924.97  733.5525454.65  708.3425492.33  705.7125776.16  697.59
 25929.24  713.3125977.36  719.6326027.76  719.6326282.57  723.0326664.56  721.52
 26817.17  723.5627080.58  740.2827592.82  747.1227808.53  744.2928199.43  733.93
 28590.09  720.2328648.41  719.7329385.91  731.5129455.17  733.2130520.48  733.21
 30896.55   736.632382.83  726.4232871.19  729.8133639.61  729.8134581.48  723.21
 34753.52  723.2135119.14  728.2735230.77  729.0535613.86  726.4236039.48  726.42
  36597.4     700 36603.3  698.2836755.84  637.47 36921.1  619.8136946.35  620.42
    37062  626.89 37549.3   645.837983.47  684.83 38075.8  690.1938521.96  691.17
 38672.61   678.338728.99  678.4239118.76   705.739613.98  719.0139921.63   726.6
 40409.56   729.340795.16  738.2241025.04  739.4941118.16  738.8741584.38  733.21
 42200.93     74042555.75  735.9242886.22  738.7343016.47  737.2343087.61  734.65
 43193.55  732.0343549.12  727.79 43721.1     73043809.03     73044847.71  720.68
 44944.66   716.845167.12  709.8745401.24  705.9845484.37   703.445693.35   703.4
 45721.16    704.3 45896.5   708.446177.41  705.8446837.73  687.0546977.56  684.35
 47202.86  684.3347322.42  686.6347861.06  718.0948165.14   730.849151.36  739.02
 49322.79  740.8849814.51  748.5849948.75  752.2750817.72     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1521652.05     .1522057.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21652.0522057.29             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.22    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.07    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1555022.00   76322.95   1169463.00
  E.G. Slope (ft/ft)      0.000307    Area (sq ft)            1555022.00   76322.95   1169463.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5130975.00   433924.00   2438234.00
  Top Width (ft)          47138.74    Top Width (ft)          18718.28     405.24   28015.22
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.30       5.69       2.08
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.08     188.34      41.74
  Conv. Total (cfs)       457114100.0    Conv. (cfs)            293065300.0   24784390.0   139264400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18739.17     406.66   28058.36
  Min Ch El (ft)            565.04    Shear (lb/sq ft)            1.59       3.59       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.24      20.42       1.66
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25874.24    1304.02   19034.73
  C & E Loss (ft)             0.00    Cum SA (acres)            311.71       6.92     472.30


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267017.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1241.83  763.24 1414.46     760 1924.13     760 2321.64  763.37
  2404.29  763.37 2542.84     770 2752.17     770 2841.92   765.5  3148.9  743.94
  3680.21  723.87 3938.84  715.93 4546.67  701.83 4650.08  701.48 4782.15  702.09
  5574.15  691.04  5772.4  692.49 6017.69  684.29 6056.19  683.37  6732.4  683.37
  6980.01  673.57 7234.79  656.23 7335.25  653.37 7430.85  653.37 7555.76  657.59
  7830.37  688.53 7891.68  693.37 8075.09  680.12 8131.27  680.12 8170.78  679.34
  8303.36  684.43 8383.86   689.1 8513.68  698.94 8751.92   709.8 9142.65  716.74
  9379.91  716.74 9402.29  715.85 9545.37  708.23  9657.9  706.7410523.24  704.32
 10860.48   686.111170.16  661.7911199.07  654.3711355.57   650.111602.16  658.55
 11667.57  662.5812109.15  701.19 12449.5     71012959.72  713.3712968.39  713.52
 13151.93   707.913381.07  695.0113446.86  694.4813569.56  704.0213755.87     720
 14128.08     72014185.49  717.3614275.01  714.3114556.79  717.6114750.67  727.21
 14824.48     730 15256.2     73015797.61  719.8815983.72  704.4516000.89  700.97
 16150.18  679.0516348.55  640.4816370.22  638.8316622.67  625.5717063.25   617.1
 17177.31  616.6319550.27  616.6319770.66     62020146.03     62020551.59  609.88
 20722.51  609.8820816.21  603.2621067.41  596.6321607.24  590.0921614.65  589.45
 21652.53     58021712.17     57221788.64  567.5921865.11  565.04   22028  575.06
 22057.93     58022140.57  632.7922201.82  637.5322406.53  663.5222469.17  667.93
 22760.83  660.74 22838.6  662.35 23704.5  711.3223994.82  721.7124433.48  734.02
  24691.6  743.2624926.18  733.5625455.96   708.325493.65  705.6725777.54  697.61
 25930.64  713.4325978.78  719.7726029.19  719.7726284.04  723.1426666.12  721.58
 26818.75   723.627082.21  740.3527594.56  747.1427810.31  744.2728201.29  733.87
 28592.03  720.1628650.36  719.6629388.01  731.5529457.28  733.26 30522.8  733.26
 30898.95  736.6332385.52  726.5132873.98  729.8833642.55  729.8834584.61  723.26
 34756.68  723.2635122.38  728.3335234.03  729.1235617.19  726.5136042.89  726.51
 36600.93     70036606.83  698.2736759.39  637.42 36924.7  619.8836949.95  620.49
 37065.62  626.9537553.02  645.8937987.27  684.7938079.62  690.1238525.87   691.1
 38676.55  678.1738732.94  678.2939122.79  705.6639618.11  719.0139925.82  726.63
 40413.84  729.3340799.53  738.2141029.45  739.4841122.59  738.88 41588.9  733.26
 42205.57     74042560.46  735.95   42891  738.8143021.27  737.3243092.43  734.74
 43198.38   732.143554.04   727.843726.05     73043813.99     73044852.88  720.75
 44949.84  716.8645172.35  709.9145406.52  705.9745489.67  703.3745698.69  703.37
  45726.5  704.2845901.88  708.4146182.84  705.8746843.29  687.0846983.15  684.37
  47208.5   684.347328.08  686.5847866.83  718.0448170.97  730.7949157.38  739.02
 49328.85  740.8749820.67  748.5849954.94  752.2650824.07     800
```

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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521652.53     .1522057.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21652.5322057.93             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.22    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.07    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1555061.00   76353.68   1169150.00
  E.G. Slope (ft/ft)      0.000307    Area (sq ft)            1555061.00   76353.68   1169150.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5131804.00   434163.60   2437166.00
  Top Width (ft)          47145.33    Top Width (ft)          18719.00     405.40   28020.93
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.30       5.69       2.08
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.07     188.34      41.72
  Conv. Total (cfs)       457047200.0    Conv. (cfs)            293069800.0   24794450.0   139183000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18739.93     406.82   28064.14
  Min Ch El (ft)            565.04    Shear (lb/sq ft)            1.59       3.59       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.24      20.43       1.66
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25696.10    1295.28   18900.78
  C & E Loss (ft)             0.00    Cum SA (acres)            309.57       6.87     469.09


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267012.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.86  763.25 1414.49     760 1924.18     760 2321.69  763.35
 2404.34  763.35  2542.9    770 2752.23     770 2841.98  765.49 3148.97  743.91
 3680.29  723.89 3938.92  715.95 4546.77  701.83 4650.18  701.47 4782.26  702.06
 5574.27  691.01 5772.53  692.43 6017.83  684.26 6056.32  683.35 6732.55  683.35
 6980.17  673.51 7234.95  656.19 7335.42  653.35 7431.02  653.35 7555.93  657.54
 7830.55  688.49 7891.86  693.35 8075.27  680.05 8131.45  680.05 8170.97  679.28
 8303.54  684.41 8384.05   689.1 8513.87  698.94 8752.12   709.8 9142.85   716.7
 9380.11   716.7  9402.5   715.8 9545.59  708.17 9658.11  706.710523.47  704.29
10860.72  686.0111170.41  661.711199.32  654.2711355.82  650.0311602.42  658.58
11667.83  662.6212109.42  701.2512449.78     71012960.01  713.3512968.68   713.5
13152.22  707.8213381.37  694.9113447.16  694.3813569.86  703.9613756.17     720
 14128.4     720 14185.8  717.3814275.33  714.3614557.11  717.67   14751  727.23
14824.81     73015256.54    73015797.96  719.9515984.07  704.6216001.25  701.15
16150.54  679.1916348.91  640.5416370.59   638.916623.04   625.617063.63  617.12
17177.69  616.6519550.71  616.65 19771.1     62020146.48     62020552.04  609.95
20722.97  609.9520816.68   603.321067.88  596.6521607.72  590.0921615.13  589.45
21653.01     58021712.78  571.9921789.41  567.5821866.04  565.0322028.69  575.08
22058.57     58022141.23  632.9122202.49  637.6222407.24  663.5322469.89  667.94
22761.61  660.66 22839.4  662.2723705.46  711.2223995.84  721.6424434.59  734.04
24692.76   743.324927.39  733.5825457.27  708.2625494.98  705.6325778.91  697.62
25932.05  713.54 25980.2  719.9126030.61  719.9126285.53  723.2626667.67  721.64
26820.34  723.6527083.85  740.42 27596.3  747.16 27812.1  744.2528203.15  733.82
28593.96  720.0928652.31  719.59 29390.1  731.5929459.38   733.330525.12   733.3
30901.34  736.6532388.21   726.632876.77  729.95 33645.5  729.9534587.73   723.3
34759.85   723.335125.61   728.435237.29   729.235620.52   726.636046.31   726.6
36604.46     70036610.36  698.2736762.96  637.3736928.29  619.9536953.54  620.55
37069.24  627.0137556.73  645.9837991.08  684.7638083.45  690.0538529.78  691.02
 38680.5  678.0438736.89  678.1739126.82  705.6239622.24  719.0139930.01  726.65
40418.13  729.3640803.89   738.241033.86  739.4841127.01  738.8841593.42   733.3
42210.21     74042565.17  735.9842895.78  738.8943026.08  737.4143097.25  734.83
43203.22  732.1843558.95  727.8243730.99     73043818.95     73044858.05  720.81
44955.03  716.9145177.58  709.9445411.79  705.9545494.96  703.3545704.02  703.35
45731.85  704.2645907.25  708.4246188.27  705.8946848.85   687.146988.74  684.38
47214.13  684.2747333.74  686.5447872.59     71848176.79  730.79 49163.4  739.02
 49334.9  740.8749826.82  748.5749961.12  752.2450830.43     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521653.01     .1522058.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21653.0122058.57             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.22    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.06    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1555107.00   76384.26   1168860.00
  E.G. Slope (ft/ft)      0.000307    Area (sq ft)            1555107.00   76384.26   1168860.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5132605.00   434396.20   2436132.00
  Top Width (ft)          47151.96    Top Width (ft)          18719.63     405.56   28026.77
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.30       5.69       2.08
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.07     188.34      41.71
  Conv. Total (cfs)       456987900.0    Conv. (cfs)            293077500.0   24804510.0   139105900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18740.58     406.98   28070.08
  Min Ch El (ft)            565.03    Shear (lb/sq ft)            1.59       3.59       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.24      20.44       1.66
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25517.96    1286.53   18766.87
  C & E Loss (ft)             0.00    Cum SA (acres)            307.42       6.83     465.88


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267007.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.89  763.26 1414.52     760 1924.22     760 2321.74  763.33
 2404.39  763.33 2542.95    770 2752.29     770 2842.05  765.47 3149.04  743.89
 3680.37   723.9 3939.01  715.97 4546.87  701.84 4650.29  701.46 4782.37  702.04
  5574.4  690.98 5772.65  692.37 6017.96  684.23 6056.46  683.33  6732.7  683.33
 6980.32  673.46 7235.11  656.15 7335.58  653.33 7431.19  653.33 7556.09  657.48
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 7830.72  688.45 7892.03  693.33 8075.45  679.98 8131.63  679.98 8171.15  679.21
 8303.73  684.39 8384.24  689.09 8514.06  698.95 8752.31   709.8 9143.06  716.65
 9380.32  716.65  9402.7  715.75  9545.8  708.11 9658.33  706.6510523.71  704.26
10860.96  685.9311170.66  661.6211199.57  654.1711356.07  649.9611602.67  658.61
11668.09  662.6712109.69  701.3112450.05     71012960.29  713.3312968.97  713.48
13152.51  707.7513381.66   694.813447.46  694.2813570.17   703.913756.48     720
14128.71     72014186.12   717.414275.65  714.4114557.44  717.7314751.33  727.25
14825.14     73015256.88     73015798.32  720.0215984.43   704.816001.61  701.33
 16150.9  679.3416349.28  640.6116370.95  638.9716623.41  625.6317064.01  617.14
17178.08  616.6719551.14  616.6719771.54     62020146.93     620 20552.5  610.02
20723.44  610.0220817.14  603.3521068.35  596.6721608.21  590.0921615.61  589.46
21653.49     58021713.39  571.9721790.19  567.5721866.98  565.0322029.37   575.1
22059.21     58022141.88  633.0322203.15   637.722407.95  663.5522470.61  667.96
22762.38  660.5922840.19  662.1823706.43  711.1223996.87  721.58 24435.7  734.05
24693.92  743.35 24928.6  733.5925458.59  708.22 25496.3  705.5925780.29  697.64
25933.46  713.6625981.61  720.0526032.04  720.05   26287  723.3826669.23   721.7
26821.92  723.6927085.49  740.4827598.04  747.1827813.88  744.2328205.01  733.76
 28595.9  720.0228654.26  719.53 29392.2  731.6329461.49  733.3530527.44  733.35
30903.74  736.67 32390.9   726.732879.55  730.0233648.44  730.0234590.86  723.35
34763.01  723.3535128.84  728.4635240.54  729.2735623.86   726.736049.73   726.7
36607.98     70036613.89  698.2636766.52  637.3236931.88  620.0236957.14  620.62
37072.86  627.0737560.45  646.0837994.88  684.7338087.27  689.9838533.69  690.94
38684.44  677.9238740.85  678.0439130.85  705.5839626.37     719 39934.2  726.67
40422.42   729.440808.25   738.241038.27  739.4841131.44  738.8941597.94  733.35
42214.85     74042569.88  736.0142900.56  738.9643030.88   737.543102.06  734.92
43208.06  732.2643563.86  727.8343735.93     73043823.91     73044863.21  720.88
44960.22  716.9745182.81  709.9845417.07  705.9445500.25  703.3345709.36  703.33
45737.19  704.2445912.62  708.43 46193.7  705.9246854.41  687.1346994.33   684.4
47219.77  684.24 47339.4  686.4947878.36  717.9648182.62  730.7849169.43  739.01
49340.96  740.8649832.98  748.57 49967.3  752.2350836.78     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521653.49     .1522059.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21653.4922059.21             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.22    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.06    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1555141.00   76414.27   1168523.00
  E.G. Slope (ft/ft)      0.000307    Area (sq ft)            1555141.00   76414.27   1168523.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5133478.00   434636.80   2435019.00
  Top Width (ft)          47158.48    Top Width (ft)          18720.30     405.72   28032.46
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.30       5.69       2.08
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.07     188.34      41.68
  Conv. Total (cfs)       456914800.0    Conv. (cfs)            293080500.0   24814280.0   139020100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18741.29     407.14   28075.85
  Min Ch El (ft)            565.03    Shear (lb/sq ft)            1.59       3.59       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.25      20.45       1.66
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   25339.81    1277.78   18632.99
  C & E Loss (ft)             0.00    Cum SA (acres)            305.28       6.78     462.67


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 267002.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.91  763.27 1414.56     760 1924.26     760 2321.79   763.3
 2404.45   763.3 2543.01     770 2752.35     770 2842.11  765.45 3149.11  743.86
 3680.45  723.91  3939.1     716 4546.97  701.85 4650.39  701.45 4782.47  702.01
 5574.52  690.95 5772.78  692.31 6018.09   684.2 6056.59   683.3 6732.85   683.3
 6980.48   673.4 7235.27   656.1 7335.74   653.3 7431.35   653.3 7556.26  657.43
  7830.9  688.41 7892.21   693.3 8075.63  679.91 8131.81  679.91 8171.33  679.15
 8303.91  684.37 8384.42  689.09 8514.25  698.96  8752.5   709.8 9143.26   716.6
 9380.53   716.6 9402.91   715.7 9546.01  708.06 9658.54   706.610523.94  704.23
10861.21  685.8411170.91  661.5411199.82  654.0711356.33  649.8911602.93  658.64
11668.35  662.7112109.96  701.3812450.33     71012960.58   713.312969.26  713.45
13152.81  707.6713381.96   694.713447.76  694.1813570.47  703.8513756.78     720
14129.03     72014186.43  717.4214275.96  714.4614557.76   717.814751.66  727.27
14825.47     73015257.22     73015798.67  720.0915984.79  704.9816001.96  701.51
16151.26  679.4916349.64  640.6816371.32  639.0316623.78  625.6717064.39  617.16
17178.46   616.719551.58   616.719771.98     62020147.38     62020552.96  610.09
 20723.9  610.09 20817.6   603.421068.81   596.721608.69  590.09 21616.1  589.46
21653.98     580   21714  571.9621790.96  567.5621867.92  565.0322030.06  575.12
22059.85     58022142.54  633.1522203.82  637.7922408.66  663.5622471.33  667.97
22763.16  660.5122840.99   662.1 23707.4  711.0223997.89  721.5124436.81  734.07
24695.09   743.4 24929.8   733.6 25459.9  708.1825497.62  705.5625781.67  697.66
25934.87  713.7825983.03  720.1926033.47  720.1926288.48  723.4926670.78  721.76
26823.51  723.7427087.12  740.5527599.78   747.227815.66   744.228206.87   733.7
28597.84  719.95 28656.2  719.4629394.29  731.67 29463.6   733.430529.76   733.4
30906.13   736.732393.59  726.7932882.34  730.0933651.38  730.0934593.99   723.4
34766.17   723.435132.08  728.53 35243.8  729.3535627.19  726.7936053.14  726.79
36611.52     70036617.41  698.2636770.07  637.2736935.47  620.0936960.74  620.69
37076.48  627.1337564.17  646.1737998.68  684.6938091.09  689.91 38537.6  690.86
38688.38  677.79 38744.8  677.9139134.88  705.5439630.49     71939938.39   726.7
 40426.7  729.4340812.61  738.1941042.68  739.4841135.87   738.941602.46   733.4
42219.49     74042574.59  736.0442905.34  739.0443035.68  737.5943106.88     735
 43212.9  732.3443568.77  727.8543740.88     73043828.88     73044868.38  720.94
44965.41  717.0345188.05  710.0145422.35  705.9345505.55   703.3 45714.7   703.3
45742.53  704.22   45918  708.4446199.13  705.9546859.98  687.1546999.92  684.41
47225.41  684.2147345.05  686.4447884.12  717.9248188.45  730.7849175.45  739.01
49347.02  740.8549839.13  748.5649973.48  752.2150843.14     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521653.98     .1522059.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21653.9822059.85             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.22    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
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  W.S. Elev (ft)            759.06    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1555162.00   76441.59   1168205.00
  E.G. Slope (ft/ft)      0.000307    Area (sq ft)            1555162.00   76441.59   1168205.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5134299.00   434862.40   2433973.00
  Top Width (ft)          47165.21    Top Width (ft)          18721.03     405.87   28038.31
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.30       5.69       2.08
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.07     188.34      41.66
  Conv. Total (cfs)       456839700.0    Conv. (cfs)            293079200.0   24823080.0   138937500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18742.06     407.28   28081.78
  Min Ch El (ft)            565.03    Shear (lb/sq ft)            1.59       3.60       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.25      20.46       1.66
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25161.66    1269.02   18499.14
  C & E Loss (ft)             0.00    Cum SA (acres)            303.13       6.73     459.46


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266997.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.94  763.28 1414.59     760  1924.3     760 2321.85  763.28
  2404.5  763.28 2543.07    770 2752.42     770 2842.17  765.44 3149.18  743.83
 3680.53  723.93 3939.19  716.02 4547.07  701.85  4650.5  701.44 4782.58  701.98
 5574.64  690.92 5772.91  692.25 6018.23  684.17 6056.73  683.28    6733  683.28
 6980.63  673.34 7235.43  656.06 7335.91  653.28 7431.52  653.28 7556.43  657.38
 7831.07  688.37 7892.38  693.28 8075.81  679.84    8132  679.84 8171.51  679.08
  8304.1  684.35 8384.61  689.09 8514.44  698.97  8752.7   709.8 9143.46  716.56
 9380.74  716.56 9403.12  715.65 9546.22     708 9658.76  706.5610524.17   704.2
10861.45  685.7611171.16  661.4611200.07  653.9711356.58  649.8211603.19  658.67
11668.61  662.7612110.23  701.4412450.61     71012960.87  713.2812969.55  713.43
 13153.1  707.5913382.26  694.5913448.05  694.0813570.77  703.7913757.09     720
14129.34     72014186.75  717.4414276.28  714.5114558.08  717.8614751.99  727.29
 14825.8     73015257.56     73015799.02  720.1615985.14  705.1616002.32  701.69
16151.62  679.63   16350  640.7416371.68   639.116624.15   625.717064.77  617.18
17178.84  616.7219552.02  616.7219772.42     62020147.83     62020553.42  610.16
20724.36  610.1620818.07  603.4421069.28  596.7221609.17  590.0921616.58  589.46
21654.46     58021714.61  571.9421791.73  567.5521868.85  565.0322030.74  575.14
22060.49     58022143.19  633.2722204.49  637.8822409.37  663.5722472.05  667.99
22763.94  660.4422841.78  662.0123708.36  710.9223998.92  721.4524437.92  734.08
24696.25  743.4424931.01  733.6125461.22  708.1425498.94  705.5225783.05  697.67
25936.28   713.925984.45  720.33 26034.9  720.3326289.96  723.6126672.34  721.81
26825.09  723.7827088.76  740.6227601.52  747.2227817.44  744.1828208.73  733.65
28599.78  719.8828658.15  719.3929396.39  731.7129465.71  733.4430532.08  733.44
30908.53  736.7232396.28  726.8932885.13  730.1633654.32  730.1634597.12  723.44
34769.33  723.4435135.31  728.5935247.06  729.4235630.52  726.8936056.56  726.89
36615.04     70036620.95  698.2536773.64  637.2136939.07  620.1636964.34  620.75
 37080.1  627.1937567.89  646.2638002.49  684.6638094.91  689.8438541.51  690.79
38692.32  677.6738748.75  677.7939138.91   705.539634.62  718.9939942.57  726.72
40430.99  729.4640816.98  738.1941047.08  739.4841140.29  738.9141606.98  733.44
42224.14     740 42579.3  736.0642910.11  739.1243040.49  737.67 43111.7  735.09
43217.74  732.4243573.67  727.8643745.82     73043833.84     73044873.55     721
44970.59  717.0945193.28  710.0545427.62  705.9145510.84  703.2845720.03  703.28
45747.87   704.245923.38  708.4646204.57  705.9846865.54  687.1847005.52  684.43
47231.04  684.1847350.71   686.447889.89  717.8748194.27  730.7749181.47     739
49353.07  740.8549845.29  748.5649979.66  752.1950849.49     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521654.46     .1522060.49     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21654.4622060.49             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.22    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.06    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1555200.00   76471.62   1167910.00
  E.G. Slope (ft/ft)      0.000307    Area (sq ft)            1555200.00   76471.62   1167910.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5135101.00   435093.80   2432939.00
  Top Width (ft)          47171.84    Top Width (ft)          18721.65     406.03   28044.16
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.30       5.69       2.08
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.07     188.34      41.65
  Conv. Total (cfs)       456776500.0    Conv. (cfs)            293084400.0   24832860.0   138859300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18742.72     407.44   28087.72
  Min Ch El (ft)            565.03    Shear (lb/sq ft)            1.59       3.60       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.25      20.47       1.66
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24983.51    1260.27   18365.34
  C & E Loss (ft)             0.00    Cum SA (acres)            300.99       6.69     456.25


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266992.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1241.97  763.29 1414.62     760 1924.35     760  2321.9  763.26
 2404.55  763.26 2543.12    770 2752.48     770 2842.24  765.42 3149.25  743.81
 3680.62  723.94 3939.27  716.04 4547.18  701.86  4650.6  701.43 4782.69  701.95
 5574.77  690.89 5773.04  692.19 6018.36  684.14 6056.86  683.26 6733.15  683.26
 6980.79  673.28 7235.59  656.02 7336.07  653.26 7431.68  653.26  7556.6  657.33
 7831.25  688.33 7892.56  693.26 8075.99  679.77 8132.18  679.77 8171.69  679.02
 8304.28  684.33  8384.8  689.08 8514.63  698.97  8752.9  709.81 9143.67  716.51
 9380.95  716.51 9403.33   715.6 9546.44  707.94 9658.97  706.5110524.41  704.17
10861.69  685.6811171.41  661.3811200.32  653.8711356.83  649.7511603.45   658.7
11668.87   662.8 12110.5   701.512450.89     71012961.16  713.2612969.84   713.4
13153.39  707.5113382.56  694.4913448.35  693.9813571.07  703.73 13757.4     720
14129.66     72014187.07  717.46 14276.6  714.5614558.41  717.9214752.32  727.31
14826.13     730 15257.9     73015799.37  720.23 15985.5  705.3316002.67  701.87
16151.98  679.7816350.37  640.8116372.04  639.1716624.52  625.7317065.15   617.2
17179.22  616.7419552.45  616.7419772.87     62020148.28     62020553.88  610.23
20724.82  610.2320818.53  603.4921069.75  596.7421609.65  590.0921617.06  589.47
21654.94     58021715.22  571.9321792.51  567.5421869.79  565.0322031.43  575.15
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22061.13     58022143.85  633.3922205.16  637.9622410.07  663.5822472.78     668
22764.72  660.3622842.57  661.9223709.33  710.8223999.94  721.3824439.04  734.09
24697.41  743.4924932.22  733.6325462.53   708.125500.26  705.4825784.43  697.69
25937.69  714.0225985.87  720.4726036.33  720.4726291.44  723.7326673.89  721.87
26826.68  723.82 27090.4  740.6827603.25  747.2427819.22  744.1628210.59  733.59
28601.71  719.81 28660.1  719.3329398.48  731.7529467.82  733.4930534.41  733.49
30910.93  736.7432398.97  726.9832887.92  730.2333657.26  730.2334600.25  723.49
34772.49  723.4935138.55  728.6635250.31   729.535633.86  726.9836059.98  726.98
36618.57     70036624.47  698.24 36777.2  637.1636942.66  620.2336967.93  620.82
37083.72  627.2537571.61  646.3538006.29  684.6338098.73  689.7738545.42  690.71
38696.26  677.54 38752.7  677.6639142.94  705.4639638.75  718.9939946.77  726.74
40435.27   729.540821.34  738.1841051.49  739.4841144.72  738.92 41611.5  733.49
42228.78     74042584.02  736.0942914.89   739.243045.29  737.7643116.52  735.18
43222.58  732.4943578.58  727.8843750.76     730 43838.8     73044878.72  721.07
44975.78  717.1545198.51  710.0845432.91   705.945516.14  703.2645725.36  703.26
45753.21  704.1845928.75  708.47   46210  706.01 46871.1   687.247011.11  684.45
47236.68  684.1547356.38  686.3547895.66  717.83 48200.1  730.7749187.49     739
49359.13  740.8449851.44  748.5549985.84  752.1850855.84     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521654.94     .1522061.13     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21654.9422061.13             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.21    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.06    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1555241.00   76502.37   1167591.00
  E.G. Slope (ft/ft)      0.000307    Area (sq ft)            1555241.00   76502.37   1167591.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5135946.00   435333.90   2431853.00
  Top Width (ft)          47178.36    Top Width (ft)          18722.32     406.19   28049.85
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.30       5.69       2.08
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.07     188.34      41.63
  Conv. Total (cfs)       456709900.0    Conv. (cfs)            293089900.0   24842930.0   138777100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18743.43     407.60   28093.49
  Min Ch El (ft)            565.03    Shear (lb/sq ft)            1.59       3.60       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.25      20.47       1.66
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24805.35    1251.50   18231.57
  C & E Loss (ft)             0.00    Cum SA (acres)            298.84       6.64     453.04


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266987.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800    1242   763.3 1414.65     760 1924.39     760 2321.95  763.23
 2404.61  763.23 2543.18     770 2752.54     770  2842.3  765.41 3149.32  743.78
  3680.7  723.95 3939.36  716.06 4547.28  701.86  4650.7  701.42 4782.79  701.92
 5574.89  690.85 5773.17  692.12  6018.5  684.11    6057  683.23  6733.3  683.23
 6980.95  673.22 7235.75  655.97 7336.23  653.23 7431.85  653.23 7556.77  657.27
 7831.42  688.29 7892.73  693.23 8076.17   679.7 8132.36   679.7 8171.88  678.95
 8304.47  684.31 8384.99  689.08 8514.82  698.98 8753.09  709.81 9143.87  716.46
 9381.16  716.46 9403.54  715.55 9546.65  707.89 9659.19  706.4610524.64  704.14
10861.93  685.5911171.65  661.2911200.57  653.7711357.08  649.6811603.71  658.73
11669.13  662.8512110.77  701.5612451.16     71012961.45  713.2312970.12  713.38
13153.69  707.4313382.86  694.3913448.65  693.8813571.38  703.68 13757.7     720
14129.97     72014187.38  717.4714276.92  714.6114558.73  717.9814752.65  727.33
14826.46     73015258.24     73015799.72   720.315985.85  705.5116003.03  702.05
16152.34  679.9216350.73  640.8716372.41  639.2316624.89  625.7617065.54  617.22
17179.61  616.7719552.89  616.7719773.31     62020148.72     62020554.33   610.3
20725.28   610.3   20819  603.5421070.22  596.7721610.13  590.0921617.54  589.47
21655.42     58021715.83  571.9221793.28  567.5221870.72  565.0322032.11  575.17
22061.77     580 22144.5  633.5122205.83  638.0522410.78   663.6 22473.5  668.02
 22765.5  660.2922843.37  661.84 23710.3  710.7124000.96  721.3224440.15  734.11
24698.57  743.5424933.43  733.6425463.85  708.0525501.59  705.44 25785.8  697.71
 25939.1  714.1325987.29  720.6126037.75  720.6126292.92  723.8526675.45  721.93
26828.26  723.8727092.04  740.7527604.99  747.2627821.01  744.1428212.45  733.53
28603.65  719.7428662.05  719.2629400.58  731.7929469.93  733.5430536.73  733.54
30913.32  736.7732401.66  727.07 32890.7   730.3 33660.2   730.334603.38  723.54
34775.66  723.5435141.78  728.7235253.57  729.5835637.19  727.07 36063.4  727.07
 36622.1     700   36628  698.2436780.75  637.1136946.25   620.336971.53  620.88
37087.34  627.3137575.32  646.4438010.09  684.5938102.55   689.738549.33  690.63
 38700.2  677.4138756.65  677.5339146.97  705.4239642.88  718.9939950.95  726.77
40439.56  729.53 40825.7  738.17 41055.9  739.4741149.14  738.9241616.02  733.54
42233.42     74042588.73  736.1242919.67  739.27 43050.1  737.8543121.33  735.26
43227.42  732.5743583.49  727.8943755.71     73043843.76     73044883.89  721.13
44980.96  717.2145203.74  710.1245438.18  705.8845521.43  703.23 45730.7  703.23
45758.55  704.1645934.13  708.4846215.43  706.0446876.66  687.23 47016.7  684.46
47242.31  684.1247362.04  686.3147901.43  717.7948205.93  730.7649193.52     739
49365.18  740.8449857.59  748.5549992.02  752.16 50862.2     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521655.42     .1522061.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21655.4222061.77             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.21    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.06    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1555290.00   76532.16   1167273.00
  E.G. Slope (ft/ft)      0.000307    Area (sq ft)            1555290.00   76532.16   1167273.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5136818.00   435566.00   2430750.00
  Top Width (ft)          47184.99    Top Width (ft)          18722.94     406.35   28055.70
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.30       5.69       2.08
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.07     188.34      41.61
  Conv. Total (cfs)       456645500.0    Conv. (cfs)            293098300.0   24852680.0   138694600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18744.08     407.76   28099.43
  Min Ch El (ft)            565.03    Shear (lb/sq ft)            1.59       3.60       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.26      20.48       1.66
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24627.19    1242.74   18097.83
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  C & E Loss (ft)             0.00    Cum SA (acres)            296.70       6.59     449.82


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266982.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.02  763.32 1414.68     760 1924.43     760    2322  763.21
 2404.66  763.21 2543.24     770  2752.6     770 2842.36  765.39 3149.39  743.75
 3680.78  723.97 3939.45  716.08 4547.38  701.87 4650.81  701.41  4782.9   701.9
 5575.02  690.82  5773.3  692.06 6018.63  684.08 6057.13  683.21 6733.45  683.21
  6981.1  673.17 7235.92  655.93  7336.4  653.21 7432.01  653.21 7556.94  657.22
  7831.6  688.25 7892.91  693.21 8076.35  679.63 8132.54  679.63 8172.06  678.89
 8304.65  684.29 8385.17  689.08 8515.01  698.99 8753.29  709.81 9144.07  716.42
 9381.37  716.42 9403.75   715.5 9546.86  707.83  9659.4  706.4210524.88  704.11
10862.17  685.51 11171.9  661.2111200.82  653.6711357.34  649.6111603.97  658.76
11669.39  662.8912111.04  701.6212451.44     71012961.74  713.2112970.41  713.35
13153.98  707.3613383.15  694.2813448.95  693.7813571.68  703.6213758.01     720
14130.29     720 14187.7  717.4914277.24  714.6614559.06  718.0414752.97  727.35
14826.79     73015258.58     73015800.08  720.3715986.21  705.6916003.39  702.23
 16152.7  680.07 16351.1  640.9416372.77   639.316625.26  625.7917065.91  617.24
17179.99  616.7919553.32  616.7919773.75     62020149.17     62020554.79  610.37
20725.74  610.3720819.46  603.5821070.69  596.7921610.61  590.0921618.02  589.48
21655.91     58021716.44   571.921794.05  567.5121871.66  565.02 22032.8  575.19
22062.41     58022145.16  633.6322206.49  638.1422411.49  663.6122474.22  668.03
22766.28  660.2122844.16  661.7523711.26  710.6124001.99  721.2524441.26  734.12
24699.74  743.5824934.64  733.6525465.16  708.0125502.91   705.425787.18  697.72
25940.51  714.2525988.71  720.7526039.18  720.75 26294.4  723.96   26677  721.99
26829.85  723.9127093.68  740.8227606.73  747.2827822.79  744.1228214.31  733.48
28605.59  719.66   28664  719.1929402.68  731.8329472.04  733.5830539.05  733.58
30915.72  736.7932404.35  727.1732893.49  730.3733663.14  730.37 34606.5  723.58
34778.82  723.5835145.02  728.7935256.83  729.6535640.52  727.1736066.82  727.17
36625.63     70036631.53  698.2336784.31  637.0636949.84  620.3736975.13  620.95
37090.96  627.3737579.04  646.53 38013.9  684.5638106.38  689.6338553.24  690.56
38704.14  677.2938760.61   677.4   39151  705.38   39647  718.9839955.14  726.79
40443.84  729.5640830.06  738.1741060.31  739.4741153.57  738.9341620.54  733.58
42238.06     74042593.44  736.1542924.45  739.35 43054.9  737.9443126.15  735.35
43232.25  732.65 43588.4  727.9143760.65     73043848.72     73044889.05   721.2
44986.15  717.2745208.97  710.1545443.46  705.8745526.72  703.2145736.04  703.21
45763.89  704.1445939.51  708.4946220.86  706.0746882.23  687.2547022.29  684.48
47247.95  684.0947367.69  686.2647907.19  717.7548211.75  730.7649199.54  738.99
49371.24  740.8349863.75  748.54 49998.2  752.1550868.55     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521655.91     .1522062.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21655.9122062.41             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.21    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.06    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1555317.00   76561.76   1166976.00
  E.G. Slope (ft/ft)      0.000307    Area (sq ft)            1555317.00   76561.76   1166976.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5137584.00   435803.40   2429746.00
  Top Width (ft)          47191.56    Top Width (ft)          18723.67     406.50   28061.39
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.30       5.69       2.08
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           83.07     188.34      41.59
  Conv. Total (cfs)       456578300.0    Conv. (cfs)            293098900.0   24862560.0   138616800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18744.85     407.91   28105.21
  Min Ch El (ft)            565.02    Shear (lb/sq ft)            1.59       3.60       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.26      20.49       1.66
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24449.02    1233.97   17964.13
  C & E Loss (ft)             0.00    Cum SA (acres)            294.55       6.55     446.61


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266977.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.05  763.33 1414.71     760 1924.48     760 2322.05  763.18
 2404.71  763.18 2543.29     770 2752.66     770 2842.43  765.37 3149.46  743.72
 3680.86  723.98 3939.54   716.1 4547.48  701.88 4650.91   701.4 4783.01  701.87
 5575.14  690.79 5773.43     692 6018.77  684.05 6057.27  683.18  6733.6  683.18
 6981.26  673.11 7236.08  655.89 7336.56  653.18 7432.18  653.18  7557.1  657.17
 7831.77  688.21 7893.09  693.18 8076.53  679.56 8132.72  679.56 8172.24  678.82
 8304.84  684.27 8385.36  689.07  8515.2  698.99 8753.48  709.81 9144.28  716.37
 9381.58  716.37 9403.96  715.45 9547.08  707.77 9659.62  706.3710525.11  704.08
10862.42  685.4211172.15  661.1311201.06  653.5711357.59  649.5411604.22   658.8
11669.65  662.9412111.31  701.6812451.72     71012962.03  713.18 12970.7  713.33
13154.27  707.2813383.45  694.1813449.25  693.6813571.98  703.5613758.32     720
 14130.6     72014188.02  717.5114277.55  714.7114559.38  718.11 14753.3  727.37
14827.12     73015258.92     73015800.43  720.4415986.57  705.8716003.75  702.41
16153.06  680.2116351.46  641.0116373.14  639.3716625.63  625.8217066.29  617.27
17180.37  616.8219553.76  616.8219774.19     62020149.62     62020555.25  610.44
20726.21  610.4420819.92  603.6321071.16  596.8221611.09  590.09 21618.5  589.48
21656.39     58021717.05  571.8921794.83   567.5 21872.6  565.0222033.48  575.21
22063.05     58022145.82  633.7422207.16  638.22 22412.2  663.6222474.94  668.04
22767.06  660.1422844.96  661.6723712.23  710.5124003.01  721.1924442.37  734.14
 24700.9  743.6324935.85  733.6625466.47  707.9725504.23  705.3625788.56  697.74
25941.91  714.3725990.12  720.8926040.61  720.8926295.88  724.0826678.55  722.05
26831.43  723.9627095.31  740.8927608.47   747.327824.57   744.128216.17  733.42
28607.52  719.5928665.95  719.1229404.77  731.8729474.15  733.6330541.37  733.63
30918.11  736.8232407.04  727.2632896.28  730.4433666.08  730.4434609.63  723.63
34781.98  723.6335148.25  728.8535260.09  729.7335643.86  727.2636070.23  727.26
36629.16     70036635.06  698.2236787.88  637.0136953.44  620.4436978.73  621.02
37094.58  627.4337582.76  646.63 38017.7  684.53 38110.2  689.5638557.15  690.48
38708.08  677.1638764.56  677.2839155.03  705.3439651.13  718.9839959.33  726.82
40448.13  729.5940834.43  738.1641064.71  739.47   41158  738.9441625.05  733.63
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 42242.7     74042598.15  736.1842929.22  739.43 43059.7  738.0343130.97  735.44
43237.09  732.7343593.31  727.9243765.59     73043853.68     73044894.22  721.26
44991.34  717.33 45214.2  710.1945448.74  705.8545532.02  703.1845741.37  703.18
45769.23  704.1245944.88   708.546226.29   706.146887.79  687.2847027.88  684.49
47253.58  684.0647373.35  686.2247912.96   717.748217.58  730.7549205.56  738.99
 49377.3  740.82 49869.9  748.5450004.38  752.13 50874.9     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521656.39     .1522063.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21656.3922063.05             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.21    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.05    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1555345.00   76591.15   1166643.00
  E.G. Slope (ft/ft)      0.000307    Area (sq ft)            1555345.00   76591.15   1166643.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5138444.00   436040.90   2428648.00
  Top Width (ft)          47198.28    Top Width (ft)          18724.38     406.66   28067.23
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.30       5.69       2.08
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.07     188.34      41.57
  Conv. Total (cfs)       456503200.0    Conv. (cfs)            293099700.0   24872020.0   138531500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18745.60     408.07   28111.13
  Min Ch El (ft)            565.02    Shear (lb/sq ft)            1.59       3.60       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.26      20.50       1.66
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24270.85    1225.20   17830.47
  C & E Loss (ft)             0.00    Cum SA (acres)            292.41       6.50     443.39


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266972.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.08  763.34 1414.75     760 1924.52     760  2322.1  763.16
 2404.77  763.16 2543.35    770 2752.72     770 2842.49  765.36 3149.53   743.7
 3680.94     724 3939.63  716.12 4547.58  701.88 4651.01  701.39 4783.11  701.84
 5575.27  690.76 5773.56  691.94  6018.9  684.02  6057.4  683.16 6733.75  683.16
 6981.41  673.05 7236.24  655.84 7336.72  653.16 7432.34  653.16 7557.27  657.12
 7831.94  688.17 7893.26  693.16 8076.71  679.48  8132.9  679.48 8172.42  678.76
 8305.02  684.25 8385.55  689.07 8515.39     699 8753.67  709.81 9144.48  716.32
 9381.79  716.32 9404.17   715.4 9547.29  707.71 9659.83  706.3210525.35  704.05
10862.66  685.34 11172.4  661.0511201.31  653.4711357.84  649.4711604.48  658.83
11669.91  662.9812111.58  701.74   12452     71012962.32  713.1612970.99   713.3
13154.57   707.213383.75  694.0713449.55  693.5813572.28  703.5113758.62     720
14130.92     72014188.33  717.5314277.87  714.7614559.71  718.1714753.63  727.39
14827.45     73015259.26     73015800.78  720.5215986.92  706.04 16004.1  702.59
16153.42  680.3616351.83  641.07 16373.5  639.43   16626  625.8517066.68  617.29
17180.76  616.8419554.19  616.8419774.63     62020150.07     62020555.71  610.52
20726.67  610.5220820.39  603.6821071.63  596.8421611.58  590.0921618.98  589.48
21656.87     58021717.66  571.88 21795.6  567.4921873.54  565.0222034.17  575.22
22063.69     58022146.47  633.8622207.83  638.3122412.91  663.6322475.66  668.06
22767.84  660.0722845.75  661.58 23713.2  710.4124004.04  721.1224443.48  734.15
24702.06  743.6824937.06  733.6825467.79  707.9325505.55  705.3225789.94  697.76
25943.32  714.4925991.54  721.0326042.04  721.0326297.36   724.226680.11  722.11
26833.02     72427096.95  740.9527610.21  747.3227826.35  744.0828218.03  733.36
28609.46  719.52 28667.9  719.0629406.87  731.9229476.26  733.6830543.69  733.68
30920.51  736.8432409.73  727.3532899.07  730.5233669.02  730.5234612.76  723.68
34785.14  723.6835151.49  728.9235263.34   729.835647.19  727.3536073.65  727.35
36632.68     70036638.59  698.2236791.43  636.9636957.03  620.5236982.32  621.08
 37098.2  627.4937586.48  646.7238021.51  684.4938114.02  689.4838561.06   690.4
38712.02  677.0338768.51  677.1539159.05  705.3139655.26  718.9839963.52  726.84
40452.41  729.6340838.79  738.1541069.12  739.4741162.43  738.9541629.57  733.68
42247.34     74042602.87   736.2   42934  739.5143064.51  738.1143135.79  735.53
43241.93  732.8143598.22  727.9443770.54     73043858.64     73044899.39  721.32
44996.53  717.3945219.43  710.2245454.02  705.8445537.31  703.1645746.71  703.16
45774.57   704.145950.26  708.5146231.72  706.1246893.36   687.347033.47  684.51
47259.22  684.0347379.01  686.1747918.72  717.6648223.41  730.7549211.58  738.99
49383.36  740.8249876.05  748.5350010.57  752.1250881.26     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521656.87     .1522063.69     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21656.8722063.69             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.21    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.05    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1555383.00   76621.64   1166311.00
  E.G. Slope (ft/ft)      0.000307    Area (sq ft)            1555383.00   76621.64   1166311.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5139320.00   436282.40   2427530.00
  Top Width (ft)          47204.72    Top Width (ft)          18724.96     406.82   28072.94
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.30       5.69       2.08
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.06     188.34      41.55
  Conv. Total (cfs)       456434100.0    Conv. (cfs)            293105300.0   24882030.0   138446700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18746.22     408.23   28116.92
  Min Ch El (ft)            565.02    Shear (lb/sq ft)            1.59       3.60       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.26      20.51       1.66
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24092.68    1216.42   17696.84
  C & E Loss (ft)             0.00    Cum SA (acres)            290.26       6.46     440.18


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266967.*

INPUT
Description:
Station Elevation Data    num=     174
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.11  763.35 1414.78     760 1924.56     760 2322.16  763.14
  2404.82  763.14 2543.41    770 2752.78     770 2842.55  765.34  3149.6  743.67
  3681.03  724.01 3939.71  716.14 4547.68  701.89 4651.12  701.38 4783.22  701.81
  5575.39  690.73 5773.68  691.88 6019.03  683.99 6057.54  683.14  6733.9  683.14
  6981.57  672.99  7236.4   655.8 7336.89  653.14 7432.51  653.14 7557.44  657.06
  7832.12  688.13 7893.44  693.14 8076.89  679.41 8133.08  679.41  8172.6  678.69
  8305.21  684.24 8385.73  689.07 8515.58  699.01 8753.87  709.81 9144.69  716.28
     9382  716.28 9404.38  715.35  9547.5  707.66 9660.05  706.2810525.58  704.02
  10862.9  685.2511172.65  660.9711201.56  653.37 11358.1   649.411604.74  658.86
 11670.17  663.0312111.85   701.812452.27    710 12962.6  713.1412971.28  713.28
 13154.86  707.1213384.05  693.9713449.85  693.4713572.59  703.4513758.93     720
 14131.23     72014188.65  717.5514278.19  714.8114560.03  718.2314753.96   727.4
 14827.78     730 15259.6     73015801.13  720.5915987.28  706.2216004.46  702.77
 16153.78   680.516352.19  641.1416373.87   639.516626.37  625.8817067.05  617.31
 17181.14  616.8619554.63  616.8619775.07     62020150.52     62020556.17  610.59
 20727.13  610.5920820.85  603.72 21072.1  596.8621612.06  590.0921619.47  589.49
 21657.35     58021718.27  571.8621796.37  567.4821874.47  565.0222034.86  575.24
 22064.33     58022147.13  633.98 22208.5   638.422413.62  663.6522476.38  668.07
 22768.62  659.9922846.55   661.523714.16  710.3124005.06  721.0624444.59  734.17
 24703.22  743.7224938.27  733.69 25469.1  707.8925506.87  705.2825791.32  697.77
 25944.73  714.6125992.96  721.1726043.47  721.1726298.83  724.3126681.66  722.16
  26834.6  724.0527098.59  741.0227611.95  747.3427828.13  744.0628219.89   733.3
  28611.4  719.4528669.85  718.9929408.96  731.9629478.37  733.7230546.01  733.72
  30922.9  736.8632412.43  727.4532901.86  730.5933671.96  730.5934615.88  723.72
  34788.3  723.7235154.72  728.98 35266.6  729.8835650.52  727.4536077.07  727.45
 36636.21     70036642.12  698.2136794.99   636.936960.62  620.5936985.92  621.15
 37101.82  627.5537590.19  646.8138025.31  684.4638117.84  689.4138564.97  690.32
 38715.96  676.9138772.46  677.0239163.09  705.2739659.39  718.9739967.71  726.86
  40456.7  729.6640843.15  738.1541073.53  739.4741166.85  738.9641634.09  733.72
 42251.98     74042607.58  736.2342938.78  739.5943069.31   738.243140.61  735.61
 43246.77  732.8943603.13  727.9543775.48     730 43863.6     73044904.55  721.39
 45001.71  717.4545224.66  710.2645459.29  705.8345542.61  703.1445752.04  703.14
 45779.91  704.0845955.63  708.5246237.16  706.1546898.92  687.3347039.06  684.52
 47264.85     68447384.67  686.1247924.49  717.6248229.23  730.7449217.61  738.98
 49389.41  740.8149882.21  748.5350016.75   752.150887.61     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521657.35     .1522064.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21657.3522064.33             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.21    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.05    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1555425.00   76651.84   1166012.00
  E.G. Slope (ft/ft)      0.000308    Area (sq ft)            1555425.00   76651.84   1166012.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5140130.00   436515.80   2426488.00
  Top Width (ft)          47211.45    Top Width (ft)          18725.68     406.98   28078.79
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.30       5.69       2.08
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.06     188.34      41.53
  Conv. Total (cfs)       456370700.0    Conv. (cfs)            293110800.0   24891880.0   138368100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18746.97     408.39   28122.86
  Min Ch El (ft)            565.02    Shear (lb/sq ft)            1.59       3.60       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.26      20.52       1.66
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23914.50    1207.64   17563.25
  C & E Loss (ft)             0.00    Cum SA (acres)            288.12       6.41     436.96


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266962.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.13  763.36 1414.81     760  1924.6     760 2322.21  763.11
  2404.88  763.11 2543.46    770 2752.84     770 2842.62  765.33 3149.67  743.64
  3681.11  724.02  3939.8  716.16 4547.78   701.9 4651.22  701.37 4783.33  701.78
  5575.51   690.7 5773.81  691.81 6019.17  683.96 6057.67  683.11 6734.05  683.11
  6981.72  672.93 7236.56  655.76 7337.05  653.11 7432.68  653.11 7557.61  657.01
  7832.29  688.09 7893.61  693.11 8077.07  679.34 8133.26  679.34 8172.79  678.63
  8305.39  684.22 8385.92  689.07 8515.77  699.02 8754.07  709.81 9144.89  716.23
   9382.2  716.23 9404.59   715.3 9547.71   707.6 9660.26  706.2310525.82  703.99
 10863.14  685.17 11172.9  660.8911201.81  653.2711358.35  649.33   11605  658.89
 11670.43  663.0712112.12  701.8712452.55     71012962.89  713.1112971.57  713.26
 13155.15  707.0413384.35  693.8613450.15  693.3713572.89   703.413759.24     720
 14131.55     72014188.96  717.5714278.51  714.8614560.36  718.2914754.29  727.42
 14828.11     73015259.94     73015801.48  720.6615987.63   706.416004.81  702.95
 16154.14  680.6516352.55   641.216374.23  639.5716626.74  625.9117067.44  617.33
 17181.52  616.8919555.06  616.8919775.51     62020150.97     62020556.62  610.66
 20727.59  610.6620821.31  603.7721072.57  596.8921612.54  590.0921619.95  589.49
 21657.84     58021718.88  571.8521797.14  567.4721875.41  565.0222035.54  575.26
 22064.97     58022147.78   634.122209.17  638.4822414.33  663.66 22477.1  668.09
  22769.4  659.9222847.34  661.4123715.13  710.2124006.09  720.99 24445.7  734.18
 24704.38  743.7724939.48   733.725470.42  707.85 25508.2  705.24 25792.7  697.79
 25946.14  714.7225994.38  721.31 26044.9  721.3126300.31  724.4326683.22  722.22
 26836.19  724.0927100.22  741.0927613.69  747.3627829.92  744.0428221.75  733.25
 28613.34  719.3828671.79  718.9229411.06     73229480.48  733.7730548.33  733.77
  30925.3  736.8932415.12  727.5432904.64  730.66 33674.9  730.6634619.01  723.77
 34791.46  723.7735157.96  729.0535269.86  729.9535653.85  727.5436080.48  727.54
 36639.74     70036645.65  698.2136798.55  636.8536964.21  620.6636989.52  621.21
 37105.45  627.6137593.91   646.938029.11  684.4338121.66  689.3438568.88  690.25
  38719.9  676.7838776.41   676.939167.11  705.2339663.52  718.9739971.89  726.89
 40460.99  729.6940847.51  738.1441077.94  739.4641171.28  738.9641638.61  733.77
 42256.62     74042612.29  736.2642943.55  739.6643074.11  738.2943145.42   735.7
 43251.61  732.9643608.04  727.9743780.43     73043868.56     73044909.72  721.45
  45006.9  717.5145229.89  710.2945464.57  705.81 45547.9  703.1145757.38  703.11
 45785.26  704.0645961.01  708.5346242.59  706.1846904.48  687.3547044.65  684.54
 47270.49  683.9747390.33  686.0847930.25  717.5848235.06  730.7349223.63  738.98
 49395.47  740.8149888.36  748.5250022.93  752.0850893.96     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521657.84     .1522064.97     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      21657.8422064.97             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.21    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.05    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1555455.00   76679.50   1165695.00
  E.G. Slope (ft/ft)      0.000308    Area (sq ft)            1555455.00   76679.50   1165695.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5140970.00   436740.00   2425424.00
  Top Width (ft)          47218.06    Top Width (ft)          18726.30     407.13   28084.63
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.31       5.70       2.08
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.06     188.34      41.51
  Conv. Total (cfs)       456299800.0    Conv. (cfs)            293113100.0   24900790.0   138285900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18747.63     408.54   28128.79
  Min Ch El (ft)            565.02    Shear (lb/sq ft)            1.59       3.60       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.27      20.53       1.66
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23736.32    1198.86   17429.70
  C & E Loss (ft)             0.00    Cum SA (acres)            285.97       6.36     433.74


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266957.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.16  763.37 1414.84     760 1924.65     760 2322.26  763.09
 2404.93  763.09 2543.52    770 2752.91     770 2842.68  765.31 3149.74  743.61
 3681.19  724.04 3939.89  716.18 4547.88   701.9 4651.32  701.36 4783.43  701.76
 5575.64  690.66 5773.94  691.75  6019.3  683.93 6057.81  683.09  6734.2  683.09
 6981.88  672.88 7236.72  655.71 7337.21  653.09 7432.84  653.09 7557.78  656.96
 7832.47  688.05 7893.79  693.09 8077.25  679.27 8133.45  679.27 8172.97  678.56
 8305.58   684.2 8386.11  689.06 8515.96  699.02 8754.26  709.82 9145.09  716.18
 9382.41  716.18  9404.8  715.25 9547.93  707.54 9660.48  706.1810526.05  703.96
10863.38  685.0811173.15   660.811202.06  653.17 11358.6  649.2611605.26  658.92
11670.69  663.1112112.39  701.9312452.83     71012963.18  713.0912971.86  713.23
13155.45  706.9613384.65  693.7613450.45  693.2713573.19  703.3413759.54     720
14131.86     72014189.28  717.5814278.83  714.9114560.68  718.3614754.62  727.44
14828.44     73015260.28     73015801.83  720.7315987.99  706.5816005.17  703.13
 16154.5  680.7916352.92  641.27 16374.6  639.6316627.11  625.9417067.82  617.35
 17181.9  616.91 19555.5  616.9119775.95     62020151.42     62020557.08  610.73
20728.05  610.7320821.78  603.8221073.04  596.9121613.02  590.0921620.43  589.49
21658.32     58021719.49  571.8321797.92  567.4621876.35  565.0222036.23  575.28
22065.61     58022148.44  634.2222209.83  638.5722415.03  663.6722477.82   668.1
22770.18  659.8422848.14  661.32 23716.1  710.1124007.11  720.9324446.81  734.19
24705.55  743.8224940.69  733.7125471.73  707.8125509.52   705.225794.07  697.81
25947.55  714.84 25995.8  721.4526046.32  721.4526301.79  724.5526684.77  722.28
26837.77  724.1427101.86  741.1527615.43  747.38 27831.7  744.0228223.61  733.19
28615.27  719.3128673.74  718.8629413.15  732.0429482.59  733.8230550.65  733.82
 30927.7  736.9132417.81  727.6332907.43  730.7333677.84  730.7334622.14  723.82
34794.63  723.8235161.19  729.1135273.11  730.0335657.18  727.63 36083.9  727.63
36643.27     70036649.18   698.236802.11   636.8 36967.8  620.7336993.12  621.28
37109.07  627.6737597.63  646.9938032.92  684.3938125.49  689.2738572.79  690.17
38723.84  676.6638780.36  676.7739171.14  705.1939667.64  718.9739976.09  726.91
40465.27  729.7340851.88  738.1441082.35  739.46 41175.7  738.9741643.13  733.82
42261.27     740   42617  736.2942948.34  739.7443078.92  738.3843150.24  735.79
43256.45  733.0443612.95  727.9843785.37     73043873.52     73044914.89  721.52
45012.09  717.5745235.12  710.3345469.85   705.8 45553.2  703.0945762.71  703.09
 45790.6  704.0445966.39  708.5446248.02  706.2146910.04  687.3847050.24  684.55
47276.12  683.9447395.99  686.0347936.02  717.5448240.89  730.7349229.65  738.98
49401.52   740.849894.52  748.5250029.11  752.0750900.32     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521658.32     .1522065.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21658.3222065.61             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.20    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.05    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1555506.00   76709.38   1165365.00
  E.G. Slope (ft/ft)      0.000308    Area (sq ft)            1555506.00   76709.38   1165365.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5141859.00   436974.50   2424300.00
  Top Width (ft)          47224.63    Top Width (ft)          18727.02     407.29   28090.32
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.31       5.70       2.08
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.06     188.34      41.49
  Conv. Total (cfs)       456233600.0    Conv. (cfs)            293121300.0   24910550.0   138201800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18748.39     408.70   28134.57
  Min Ch El (ft)            565.02    Shear (lb/sq ft)            1.59       3.61       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.27      20.54       1.66
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23558.13    1190.07   17296.18
  C & E Loss (ft)             0.00    Cum SA (acres)            283.83       6.32     430.53


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266952.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.19  763.38 1414.87     760 1924.69     760 2322.31  763.07
 2404.98  763.07 2543.58    770 2752.97     770 2842.74   765.3 3149.81  743.59
 3681.27  724.05 3939.98  716.21 4547.99  701.91 4651.43  701.35 4783.54  701.73
 5575.76  690.63 5774.07  691.69 6019.44   683.9 6057.94  683.07 6734.35  683.07
 6982.03  672.82 7236.88  655.67 7337.38  653.07 7433.01  653.07 7557.95   656.9
 7832.64  688.01 7893.97  693.07 8077.43   679.2 8133.63   679.2 8173.15   678.5
 8305.76  684.18 8386.29  689.06 8516.15  699.03 8754.46  709.82  9145.3  716.14
 9382.62  716.14 9405.01   715.2 9548.14  707.49 9660.69  706.1410526.29  703.93
10863.63     685 11173.4  660.7211202.31  653.0711358.86  649.1911605.52  658.95
11670.95  663.1612112.66  701.9912453.11     71012963.47  713.0712972.15  713.21
13155.74  706.8913384.94  693.6613450.75  693.1713573.49  703.2813759.85     720
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14132.18     720 14189.6   717.614279.14  714.96   14561  718.4214754.95  727.46
14828.77     73015260.62     73015802.19   720.815988.35  706.7516005.53  703.31
16154.86  680.9416353.28  641.3416374.96   639.716627.48  625.97 17068.2  617.37
17182.29  616.9319555.94  616.9319776.39     62020151.87     62020557.54   610.8
20728.52   610.820822.24  603.8621073.51  596.93 21613.5  590.0921620.91   589.5
 21658.8     580 21720.1  571.8221798.69  567.4521877.28  565.0122036.91   575.3
22066.25     580 22149.1  634.34 22210.5  638.6522415.74  663.6822478.54  668.12
22770.96  659.7722848.93  661.2423717.06     71024008.13  720.8724447.93  734.21
24706.71  743.8624941.89  733.7325473.05  707.7625510.84  705.1625795.45  697.82
25948.96  714.9625997.21  721.5926047.75  721.5926303.27  724.6726686.33  722.34
26839.36  724.18 27103.5  741.2227617.17   747.427833.48     74428225.47  733.13
28617.21  719.2428675.69  718.7929415.25  732.0829484.69  733.8630552.97  733.86
30930.09  736.93 32420.5  727.7332910.22   730.833680.78   730.834625.27  723.86
34797.79  723.8635164.43  729.1735276.37   730.135660.52  727.7336087.32  727.73
 36646.8     70036652.71  698.1936805.67  636.75 36971.4   620.836996.71  621.35
37112.68  627.7337601.34  647.0838036.72  684.3638129.31   689.2 38576.7  690.09
38727.78  676.5338784.32  676.6439175.17  705.1539671.77  718.9639980.27  726.93
40469.56  729.7640856.24  738.1341086.75  739.4641180.13  738.9841647.65  733.86
42265.91     74042621.71  736.3242953.11  739.8243083.72  738.4743155.06  735.88
43261.29  733.1243617.86     72843790.31     73043878.48     73044920.06  721.58
45017.27  717.6345240.36  710.3645475.12  705.7845558.49  703.0745768.05  703.07
45795.94  704.0245971.76  708.5546253.45  706.2446915.61  687.4147055.83  684.57
47281.76  683.9147401.65  685.9947941.79  717.4948246.71  730.7249235.67  738.97
49407.58  740.7949900.67  748.5150035.29  752.0550906.67     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21658.8     .1522066.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21658.822066.25             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.20    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.05    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1555530.00   76740.03   1165078.00
  E.G. Slope (ft/ft)      0.000308    Area (sq ft)            1555530.00   76740.03   1165078.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5142610.00   437213.90   2423310.00
  Top Width (ft)          47231.22    Top Width (ft)          18727.60     407.45   28096.17
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.31       5.70       2.08
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           83.06     188.34      41.47
  Conv. Total (cfs)       456168700.0    Conv. (cfs)             293122400.0   24920650.0   138125600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18749.01     408.86   28140.51
  Min Ch El (ft)            565.01    Shear (lb/sq ft)            1.59       3.61       0.80
  Alpha                       1.23    Stream Power (lb/ft s)      5.27      20.55       1.65
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23379.94    1181.29   17162.70
  C & E Loss (ft)             0.00    Cum SA (acres)            281.68       6.27     427.31


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266947.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.22   763.4  1414.9     760 1924.73     760 2322.36  763.04
 2405.04  763.04 2543.63     770 2753.03     770 2842.81  765.28 3149.88  743.56
 3681.35  724.06 3940.06  716.23 4548.09  701.92 4651.53  701.34 4783.65   701.7
 5575.89   690.6  5774.2  691.63 6019.57  683.87 6058.08  683.04  6734.5  683.04
 6982.19  672.76 7237.04  655.63 7337.54  653.04 7433.17  653.04 7558.11  656.85
 7832.82  687.97 7894.14  693.04 8077.61  679.13 8133.81  679.13 8173.33  678.43
 8305.95  684.16 8386.48  689.06 8516.34  699.04 8754.65  709.82  9145.5  716.09
 9382.83  716.09 9405.22  715.15 9548.35  707.43 9660.91  706.0910526.52   703.9
10863.87  684.9111173.65  660.6411202.56  652.9711359.11  649.1211605.78  658.98
11671.21   663.212112.93  702.0512453.38     71012963.76  713.0412972.44  713.18
13156.03  706.8113385.24  693.5513451.05  693.0713573.79  703.2313760.16     720
14132.49     72014189.91  717.6214279.46  715.0114561.33  718.4814755.27  727.48
 14829.1     73015260.96     73015802.54  720.87 15988.7  706.9316005.88  703.49
16155.22  681.0916353.65   641.416375.33  639.7716627.85     62617068.58  617.39
17182.67  616.9619556.37  616.9619776.83     62020152.31     620   20558  610.87
20728.98  610.8720822.71  603.9121073.98  596.9621613.98  590.0921621.39   589.5
21659.28     58021720.71  571.8121799.46  567.4421878.22  565.01 22037.6  575.31
22066.88     58022149.75  634.4622211.17  638.7422416.45   663.722479.27  668.13
22771.73  659.6922849.72  661.1523718.03   709.924009.16   720.824449.04  734.22
24707.87  743.91 24943.1  733.7425474.36  707.7225512.16  705.1225796.83  697.84
25950.37  715.0825998.63  721.7326049.18  721.7326304.75  724.7826687.88   722.4
26840.94  724.2227105.14  741.2927618.91  747.4227835.26  743.9828227.33  733.08
28619.15  719.1728677.64  718.7229417.34  732.12 29486.8  733.9130555.29  733.91
30932.49  736.9632423.19  727.8232913.01  730.8733683.72  730.8734628.39  723.91
34800.95  723.9135167.66  729.2435279.62  730.1835663.85  727.8236090.73  727.82
36650.32     70036656.24  698.1936809.23   636.736974.99  620.8737000.31  621.41
 37116.3  627.7937605.06  647.1738040.52  684.3338133.13  689.1338580.61  690.02
38731.72   676.438788.27  676.52 39179.2  705.11 39675.9  718.9639984.46  726.96
40473.84  729.79 40860.6  738.1241091.16  739.4641184.56  738.9941652.17  733.91
42270.55     74042626.43  736.3542957.89   739.943088.52  738.5543159.88  735.96
43266.13   733.243622.77  728.0243795.25     73043883.45     73044925.23  721.65
45022.46  717.6945245.59   710.4 45480.4  705.7745563.78  703.0445773.38  703.04
45801.28     70445977.14  708.5746258.88  706.2746921.17  687.4347061.42  684.58
47287.39  683.8847407.31  685.9447947.55  717.4548252.54  730.72 49241.7  738.97
49413.64  740.7949906.83  748.5150041.47  752.0450913.02     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521659.28     .1522066.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21659.2822066.88             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.20    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.04    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1555565.00   76769.13   1164737.00
  E.G. Slope (ft/ft)      0.000308    Area (sq ft)            1555565.00   76769.13   1164737.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5143496.00   437452.30   2422185.00
  Top Width (ft)          47237.78    Top Width (ft)          18728.31     407.60   28101.87
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.31       5.70       2.08
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  Max Chl Dpth (ft)          194.03    Hydr. Depth (ft)           83.06     188.34      41.45
  Conv. Total (cfs)        456095100.0    Conv. (cfs)            293125600.0    24930210.0   138039300.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)         18749.76     409.01   28146.30
  Min Ch El (ft)             565.01    Shear (lb/sq ft)             1.59       3.61       0.80
  Alpha                        1.23    Stream Power (lb/ft s)       5.27      20.56       1.65
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)     23201.74    1172.49   17029.25
  C & E Loss (ft)              0.00    Cum SA (acres)             279.54       6.22     424.09


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266942.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.25  763.41 1414.93     760 1924.78     760 2322.42  763.02
 2405.09  763.02 2543.69    770 2753.09     770 2842.87  765.26 3149.95  743.53
 3681.44  724.08 3940.15  716.25 4548.19  701.92 4651.63  701.33 4783.75  701.67
 5576.01  690.57 5774.33  691.57  6019.7  683.84 6058.21  683.02 6734.65  683.02
 6982.35   672.7 7237.21  655.58  7337.7  653.02 7433.34  653.02 7558.28   656.8
 7832.99  687.93 7894.32  693.02 8077.79  679.06 8133.99  679.06 8173.52  678.37
 8306.13  684.14 8386.67  689.05 8516.53  699.05 8754.84  709.82  9145.7  716.04
 9383.04  716.04 9405.43   715.1 9548.56  707.37 9661.12  706.0410526.75  703.87
10864.11  684.8311173.89  660.5611202.81  652.8711359.36  649.0511606.03  659.01
11671.47  663.25 12113.2  702.1112453.66     71012964.05  713.0212972.73  713.16
13156.32  706.7313385.54  693.4513451.35  692.97 13574.1  703.1713760.46     720
14132.81     72014190.23  717.6414279.78  715.0614561.65  718.54 14755.6   727.5
14829.43     730 15261.3     73015802.89  720.9415989.06  707.1116006.24  703.67
16155.58  681.2316354.01  641.4716375.69  639.8316628.22  626.0317068.96  617.41
17183.05  616.9819556.81  616.9819777.27     62020152.76     62020558.46  610.94
20729.44  610.9420823.17  603.9621074.45  596.9821614.46  590.0921621.88  589.51
21659.77     58021721.32  571.7921800.24  567.4221879.16  565.0122038.28  575.33
22067.52     58022150.41  634.5822211.84  638.8322417.16  663.7122479.99  668.15
22772.51  659.6222850.52  661.0723718.99   709.824010.18  720.7424450.15  734.24
24709.04  743.9624944.31  733.7525475.68  707.6825513.48  705.0825798.21  697.86
25951.78   715.226000.05  721.8726050.61  721.8726306.23   724.926689.44  722.46
26842.53  724.2727106.78  741.3627620.65  747.4427837.04  743.9628229.19  733.02
28621.09   719.128679.59  718.6529419.44  732.1629488.91  733.9630557.62  733.96
30934.88  736.9832425.88  727.92 32915.8  730.9433686.66  730.9434631.52  723.96
34804.11  723.9635170.89   729.335282.88  730.2635667.18  727.9236094.15  727.92
36653.85     70036659.77  698.1836812.79  636.6536978.59  620.9437003.91  621.48
37119.93  627.8537608.78  647.2738044.33   684.338136.95  689.0638584.53  689.94
38735.66  676.2838792.22  676.3939183.23  705.0739680.02  718.9639988.65  726.98
40478.13  729.8240864.96  738.1241095.57  739.4641188.98  738.9941656.69  733.96
42275.19     74042631.14  736.3742962.67  739.9743093.33  738.6443164.69  736.05
43270.96  733.2843627.68  728.03 43800.2     73043888.41     73044930.39  721.71
45027.64  717.7545250.82  710.4345485.68  705.7545569.07  703.0245778.72  703.02
45806.62  703.9845982.51  708.5846264.31   706.346926.73  687.4647067.01   684.6
47293.03  683.8547412.96   685.947953.32  717.4148258.37  730.7149247.72  738.97
 49419.7  740.7849912.98   748.550047.65  752.0250919.38     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521659.77     .1522067.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21659.7722067.52             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.20    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.04    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                       Flow Area (sq ft)       1555614.00   76797.96   1164398.00
  E.G. Slope (ft/ft)       0.000308    Area (sq ft)            1555614.00   76797.96   1164398.00
  Q Total (cfs)            8003133.00    Flow (cfs)             5144408.00   437687.10   2421038.00
  Top Width (ft)           47244.51    Top Width (ft)          18729.04     407.75   28107.72
  Vel Total (ft/s)             2.86    Avg. Vel. (ft/s)            3.31       5.70       2.08
  Max Chl Dpth (ft)          194.03    Hydr. Depth (ft)           83.06     188.35      41.43
  Conv. Total (cfs)        456025500.0    Conv. (cfs)            293132900.0    24939800.0   137952900.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)         18750.54     409.16   28152.24
  Min Ch El (ft)             565.01    Shear (lb/sq ft)            1.60       3.61       0.80
  Alpha                        1.24    Stream Power (lb/ft s)      5.28      20.57       1.65
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    23023.54    1163.70   16895.85
  C & E Loss (ft)              0.00    Cum SA (acres)            277.39       6.18     420.87


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266937.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.27  763.42 1414.97     760 1924.82     760 2322.47     763
 2405.14     763 2543.75    770 2753.15     770 2842.93  765.25 3150.02   743.5
 3681.52  724.09 3940.24  716.27 4548.29  701.93 4651.74  701.32 4783.86  701.65
 5576.13  690.54 5774.46   691.5 6019.84  683.81 6058.35     683  6734.8     683
  6982.5  672.64 7237.37  655.54 7337.87     653  7433.5     653 7558.45  656.75
 7833.17  687.89 7894.49    693 8077.97  678.99 8134.17  678.99  8173.7   678.3
 8306.32  684.12 8386.85  689.05 8516.72  699.05 8755.04  709.82 9145.91     716
 9383.25     716 9405.64  715.05 9548.78  707.31 9661.34     70610526.99  703.84
10864.35  684.7511174.14  660.4811203.06  652.7711359.61  648.9811606.29  659.04
11671.73  663.2912113.47  702.1712453.94     71012964.34     71312973.01  713.13
13156.62  706.6513385.84  693.3413451.65  692.87 13574.4  703.1113760.77     720
14133.12     72014190.54  717.66 14280.1  715.1114561.98   718.614755.93  727.52
14829.76     73015261.64     73015803.24  721.0115989.42  707.29 16006.6  703.85
16155.94  681.3816354.38  641.5316376.06   639.916628.59  626.0617069.34  617.43
17183.44     61719557.24     61719777.71     62020153.21     62020558.91  611.01
 20729.9  611.0120823.63     60421074.92     59721614.95  590.0921622.36  589.51
21660.25     58021721.93  571.7821801.01  567.4121880.09  565.0122038.97  575.35
22068.16     58022151.06   634.722212.51  638.9122417.87  663.7222480.71  668.16
22773.29  659.5422851.31  660.9823719.96   709.724011.21  720.6724451.26  734.25
 24710.2     74424945.52  733.7625476.99  707.64 25514.8  705.0425799.59  697.87
25953.18  715.3126001.47  722.0126052.04  722.0126307.71  725.0226690.99  722.52
26844.11  724.3127108.41  741.4227622.38  747.4627838.83  743.9428231.05  732.96
28623.02  719.0328681.54  718.5929421.54   732.229491.02     73430559.94     734
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30937.28     73732428.57  728.0132918.58  731.0133689.61  731.0134634.65     724
34807.27     72435174.13  729.3735286.14  730.3335670.52  728.0136097.57  728.01
36657.38     700 36663.3  698.1836816.35   636.636982.18  621.0137007.51  621.54
37123.55  627.91 37612.5  647.3638048.13  684.2638140.77  688.9938588.44  689.86
38739.61  676.1538796.17  676.2639187.26  705.0339684.15  718.9539992.84     727
40482.41  729.8640869.32  738.1141099.98  739.4641193.41     73941661.21     734
42279.84     74042635.85   736.442967.45  740.0543098.13  738.7343169.51  736.14
 43275.8  733.3543632.59  728.0543805.14     73043893.37     73044935.56  721.77
45032.83  717.8145256.05  710.4745490.96  705.7445574.37     70345784.05     703
45811.96  703.9645987.89  708.5946269.75  706.3346932.29  687.48 47072.6  684.62
47298.66  683.8247418.62  685.8547959.09  717.3748264.19  730.7149253.74  738.96
49425.75  740.7749919.14   748.550053.83  752.0150925.73     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521660.25     .1522068.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21660.2522068.16             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.20    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.04    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1555653.00   76827.55   1164126.00
  E.G. Slope (ft/ft)      0.000308    Area (sq ft)            1555653.00   76827.55   1164126.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5145152.00   437909.90   2420071.00
  Top Width (ft)          47250.98    Top Width (ft)          18729.65     407.91   28113.41
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.31       5.70       2.08
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.06     188.34      41.41
  Conv. Total (cfs)       455968100.0    Conv. (cfs)            293138300.0   24949350.0   137880400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18751.19     409.32   28158.03
  Min Ch El (ft)            565.01    Shear (lb/sq ft)            1.60       3.61       0.80
  Alpha                       1.24    Stream Power (lb/ft s)      5.28      20.58       1.65
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22845.34    1154.90   16762.48
  C & E Loss (ft)             0.00    Cum SA (acres)            275.25       6.13     417.65


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266932.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1242.3  763.43    1415     760 1924.86     760 2322.52  762.97
  2405.2  762.97  2543.8     770 2753.21     770    2843  765.23 3150.09  743.48
  3681.6  724.11 3940.33  716.29 4548.39  701.94 4651.84  701.31 4783.97  701.62
 5576.26  690.51 5774.58  691.44 6019.97  683.78 6058.48  682.97 6734.95  682.97
 6982.66  672.59 7237.53   655.5 7338.03  652.97 7433.67  652.97 7558.62  656.69
 7833.34  687.85 7894.67  692.97 8078.15  678.92 8134.35  678.92 8173.88  678.24
  8306.5   684.1 8387.04  689.05 8516.91  699.06 8755.24  709.82 9146.11  715.95
 9383.46  715.95 9405.85     715 9548.99  707.26 9661.56  705.9510527.22  703.81
10864.59  684.6611174.39  660.3911203.31  652.6711359.87  648.9111606.55  659.07
11671.99  663.3412113.74  702.2312454.22     71012964.63  712.97 12973.3  713.11
13156.91  706.5713386.14  693.2413451.95  692.77 13574.7  703.0613761.08     720
14133.44     72014190.86  717.6814280.42  715.16 14562.3  718.6714756.26  727.54
14830.09     73015261.98     73015803.59  721.0815989.77  707.4616006.95  704.03
 16156.3  681.5216354.74   641.616376.42  639.9716628.96   626.117069.72  617.45
17183.82  617.0319557.68  617.0319778.15     62020153.66     62020559.37  611.08
20730.36  611.08 20824.1  604.0521075.39  597.0321615.43   590.121622.84  589.51
21660.73     58021722.54  571.7621801.79   567.421881.03  565.0122039.65  575.37
 22068.8     58022151.72  634.8222213.17     63922418.58  663.7322481.43  668.17
22774.07  659.4722852.11  660.8923720.93   709.624012.23  720.6124452.37  734.26
24711.36  744.0524946.73  733.78 25478.3   707.625516.13     70525800.96  697.89
25954.59  715.4326002.89  722.1526053.46  722.1526309.19  725.1326692.55  722.57
 26845.7  724.3627110.05  741.4927624.12  747.4827840.61  743.9228232.91  732.91
28624.96  718.9628683.49  718.5229423.63  732.2429493.13  734.0530562.26  734.05
30939.67  737.0332431.26   728.132921.37  731.0833692.54  731.0834637.78  724.05
34810.44  724.0535177.36  729.4335289.39  730.4135673.85   728.136100.99   728.1
36660.91     70036666.83  698.1736819.91  636.5436985.77  621.0837011.11  621.61
37127.17  627.9737616.21  647.4538051.93  684.23 38144.6  688.9238592.35  689.79
38743.55  676.0338800.12  676.1339191.29  704.9939688.28  718.9539997.03  727.03
 40486.7  729.8940873.69   738.141104.39  739.4541197.84  739.0141665.73  734.05
42284.48     74042640.56  736.4342972.22  740.1343102.94  738.8243174.33  736.23
43280.64  733.43 43637.5  728.0643810.09     73043898.33     73044940.73  721.84
45038.02  717.8745261.28   710.545496.23  705.7345579.66  702.9745789.39  702.97
 45817.3  703.9445993.27   708.646275.18  706.3546937.86  687.5147078.19  684.63
 47304.3  683.7947424.29   685.847964.85  717.3248270.02   730.749259.76  738.96
49431.81  740.7749925.29  748.4950060.01  751.9950932.09     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521660.73     .15 22068.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21660.73 22068.8             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.20    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.04    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1555668.00   76857.76   1163805.00
  E.G. Slope (ft/ft)      0.000308    Area (sq ft)            1555668.00   76857.76   1163805.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5145958.00   438155.80   2419020.00
  Top Width (ft)          47257.65    Top Width (ft)          18730.32     408.07   28119.26
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.31       5.70       2.08
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.06     188.34      41.39
  Conv. Total (cfs)       455892400.0    Conv. (cfs)            293135600.0   24959210.0   137797600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18751.90     409.48   28163.96
  Min Ch El (ft)            565.01    Shear (lb/sq ft)            1.60       3.61       0.80
  Alpha                       1.24    Stream Power (lb/ft s)      5.28      20.59       1.65
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22667.13    1146.10   16629.14
  C & E Loss (ft)             0.00    Cum SA (acres)            273.10       6.08     414.43


CROSS SECTION
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RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266927.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1242.33  763.44 1415.03     760  1924.9     760 2322.57  762.95
 2405.25  762.95 2543.86     770 2753.27     770 2843.06  765.22 3150.16  743.45
 3681.68  724.12 3940.42  716.31 4548.49  701.94 4651.95   701.3 4784.07  701.59
 5576.38  690.47 5774.71  691.38 6020.11  683.75 6058.62  682.95  6735.1  682.95
 6982.81  672.53 7237.69  655.45 7338.19  652.95 7433.83  652.95 7558.79  656.64
 7833.51   687.8 7894.85  692.95 8078.33  678.85 8134.53  678.85 8174.06  678.17
 8306.69  684.08 8387.23  689.04  8517.1  699.07 8755.43  709.82 9146.32   715.9
 9383.67   715.9 9406.06  714.95  9549.2   707.2 9661.77   705.910527.46  703.78
10864.84  684.5811174.64  660.3111203.56  652.5711360.12  648.8411606.81   659.1
11672.25  663.38   12114  702.2912454.49     71012964.92  712.9512973.59  713.08
 13157.2   706.513386.43  693.1413452.25  692.67   13575     70313761.38     720
14133.75     72014191.18  717.6914280.74  715.2114562.63  718.7314756.59  727.56
14830.42     73015262.32     73015803.95  721.1515990.13  707.6416007.31  704.21
16156.66  681.67 16355.1  641.6716376.79  640.0316629.33  626.13 17070.1  617.47
 17184.2  617.0519558.12  617.0519778.59     62020154.11     62020559.83  611.15
20730.82  611.1520824.56   604.121075.86  597.0521615.91   590.121623.32  589.52
21661.21     58021723.15  571.7521802.56  567.3921881.97  565.0122040.34  575.39
22069.44     58022152.37  634.9422213.84  639.0922419.29  663.7522482.15  668.19
22774.85  659.39 22852.9  660.8123721.89   709.524013.25  720.5424453.48  734.28
24712.52   744.124947.94  733.7925479.62  707.5625517.45  704.9625802.34  697.91
   25956  715.55 26004.3   722.326054.89   722.326310.66  725.25 26694.1  722.63
26847.28   724.427111.69  741.5627625.86   747.527842.39   743.928234.77  732.85
 28626.9  718.8928685.44  718.4529425.73  732.2829495.24   734.130564.58   734.1
30942.07  737.0532433.95   728.232924.16  731.1533695.48  731.1534640.91   724.1
 34813.6   724.1 35180.6   729.535292.65  730.4835677.18   728.236104.41   728.2
36664.44     70036670.36  698.1636823.47  636.4936989.36  621.15 37014.7  621.68
37130.79  628.0337619.93  647.5438055.74   684.238148.42  688.8538596.26  689.71
38747.48   675.938804.07  676.0139195.32  704.9539692.41  718.9540001.22  727.05
40490.99  729.9240878.05   738.141108.79  739.4541202.26  739.0241670.25   734.1
42289.12     74042645.27  736.46   42977  740.2143107.74  738.9143179.14  736.31
43285.48  733.5143642.41  728.0843815.03     73043903.29     73044945.89   721.9
45043.21  717.9345266.51  710.5445501.51  705.7145584.96  702.9545794.73  702.95
45822.64  703.9245998.64  708.6146280.61  706.3846943.42  687.5347083.78  684.65
47309.94  683.7647429.94  685.7647970.62  717.2848275.85   730.749265.79  738.96
49437.86  740.7649931.45  748.49 50066.2  751.9750938.44     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1521661.21     .1522069.44     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21661.2122069.44             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.20    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.04    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1555726.00   76887.02   1163453.00
  E.G. Slope (ft/ft)      0.000308    Area (sq ft)            1555726.00   76887.02   1163453.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5146925.00   438387.30   2417821.00
  Top Width (ft)          47264.29    Top Width (ft)          18730.94     408.23   28125.12
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.31       5.70       2.08
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.06     188.34      41.37
  Conv. Total (cfs)       455824300.0    Conv. (cfs)            293146800.0   24968670.0   137708700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18752.56     409.63   28169.92
  Min Ch El (ft)            565.01    Shear (lb/sq ft)            1.60       3.61       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.28      20.60       1.65
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22488.92    1137.29   16495.84
  C & E Loss (ft)             0.00    Cum SA (acres)            270.96       6.04     411.21


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266922.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1242.36  763.45 1415.06     760 1924.95     760 2322.62  762.93
  2405.3  762.93 2543.92     770 2753.33     770 2843.12   765.2 3150.23  743.42
 3681.76  724.13  3940.5  716.33 4548.59  701.95 4652.05  701.29 4784.18  701.56
 5576.51  690.44 5774.84  691.32 6020.24  683.72 6058.75  682.93 6735.25  682.93
 6982.97  672.47 7237.85  655.41 7338.36  652.93    7434  652.93 7558.96  656.59
 7833.69  687.76 7895.02  692.93 8078.51  678.78 8134.71  678.78 8174.24  678.11
 8306.87  684.06 8387.41  689.04 8517.29  699.08 8755.62  709.83 9146.52  715.85
 9383.88  715.85 9406.27   714.9 9549.42  707.14 9661.99  705.8510527.69  703.75
10865.08  684.4911174.89  660.2311203.81  652.4711360.37  648.7711607.07  659.13
11672.51  663.4312114.27  702.3512454.77     710 12965.2  712.9312973.88  713.06
 13157.5  706.4213386.73  693.0313452.55  692.5713575.31  702.9413761.69     720
14134.06     72014191.49  717.7114281.05  715.2714562.95  718.7914756.92  727.58
14830.75     73015262.66     730 15804.3  721.2215990.48  707.8216007.67  704.39
16157.02  681.8116355.47  641.7316377.15   640.1 16629.7  626.1617070.48  617.49
17184.58  617.0719558.55  617.0719779.03     62020154.56     62020560.29  611.22
20731.29  611.2220825.03  604.1521076.32  597.0721616.39   590.1 21623.8  589.52
 21661.7     58021723.76  571.7421803.33  567.38 21882.9     56522041.03   575.4
22070.08     58022153.03  635.0622214.51  639.1722419.99  663.7622482.87   668.2
22775.63  659.32 22853.7  660.7223722.86   709.424014.28  720.4824454.59  734.29
24713.69  744.1524949.15   733.825480.93  707.5225518.77  704.9225803.72  697.92
25957.41  715.6726005.72  722.4426056.32  722.4426312.14  725.3726695.66  722.69
26848.87  724.4527113.32  741.62 27627.6  747.5227844.17  743.8828236.63  732.79
28628.83  718.8228687.39  718.3929427.82  732.3229497.35  734.15 30566.9  734.15
30944.46  737.0732436.64  728.2932926.95  731.2233698.43  731.2234644.04  724.15
34816.76  724.1535183.83  729.5635295.91  730.5635680.52  728.2936107.82  728.29
36667.96     70036673.89  698.1636827.03  636.4436992.95  621.22 37018.3  621.74
37134.41  628.0937623.65  647.6338059.54  684.1638152.24  688.7838600.17  689.63
38751.43  675.7738808.03  675.8839199.35  704.9139696.54  718.9440005.41  727.07
40495.27  729.9640882.41  738.09 41113.2  739.4541206.69  739.0341674.77  734.15
42293.76     74042649.99  736.4942981.78  740.2843112.54  738.9943183.96   736.4
43290.32  733.5943647.32  728.0943819.97     73043908.25     73044951.06  721.97
45048.39  717.9945271.74  710.5745506.79   705.745590.25  702.9345800.06  702.93
45827.98   703.946004.02  708.6246286.04  706.4146948.98  687.5647089.38  684.66
47315.57  683.73 47435.6  685.7147976.38  717.2448281.67  730.6949271.81  738.95
49443.92  740.76 49937.6  748.4850072.38  751.9650944.79     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21661.7     .1522070.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21661.722070.08             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.19    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.04    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1555771.00   76917.33   1163149.00
  E.G. Slope (ft/ft)      0.000308    Area (sq ft)            1555771.00   76917.33   1163149.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5147740.00   438625.90   2416768.00
  Top Width (ft)          47270.85    Top Width (ft)          18731.67     408.38   28130.80
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.31       5.70       2.08
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           83.06     188.35      41.35
  Conv. Total (cfs)       455762000.0    Conv. (cfs)            293153200.0   24978840.0   137629900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18753.33     409.79   28175.70
  Min Ch El (ft)            565.00    Shear (lb/sq ft)            1.60       3.61       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.28      20.61       1.65
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22310.70    1128.48   16362.58
  C & E Loss (ft)             0.00    Cum SA (acres)            268.81       5.99     407.99


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266917.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.38  763.46 1415.09     760 1924.99     760 2322.67   762.9
 2405.36   762.9 2543.97     770  2753.4     770 2843.19  765.18  3150.3  743.39
 3681.85  724.15 3940.59  716.35 4548.69  701.96 4652.15  701.28 4784.28  701.53
 5576.63  690.41 5774.97  691.26 6020.37  683.69 6058.89   682.9  6735.4   682.9
 6983.12  672.41 7238.01  655.37 7338.52   652.9 7434.17   652.9 7559.12  656.54
 7833.86  687.72  7895.2   692.9 8078.69  678.71 8134.89  678.71 8174.43  678.05
 8307.06  684.04  8387.6  689.04 8517.48  699.08 8755.82  709.83 9146.72  715.81
 9384.08  715.81 9406.48  714.85 9549.63  707.09  9662.2  705.8110527.93  703.72
10865.32  684.4111175.14  660.1511204.06  652.3711360.63   648.711607.33  659.16
11672.77  663.4712114.54  702.4212455.05     71012965.49   712.912974.17  713.04
13157.79  706.3413387.03  692.9313452.85  692.4713575.61  702.89   13762     720
14134.38     72014191.81  717.7314281.37  715.3214563.27  718.8514757.25   727.6
14831.08     730   15263    73015804.65  721.2915990.84  707.9916008.02  704.57
16157.38  681.9616355.83   641.816377.52  640.1716630.07  626.1917070.86  617.51
17184.96   617.119558.99   617.119779.47     62020155.01     62020560.74  611.29
20731.75  611.2920825.49  604.1921076.79   597.121616.87   590.121624.28  589.53
21662.18     58021724.37  571.7221804.11  567.3721883.84     56522041.71  575.42
22070.72     58022153.69  635.1822215.18  639.26 22420.7  663.7722483.59  668.22
22776.41  659.2522854.49  660.6423723.83   709.3 24015.3  720.4124455.71  734.31
24714.85  744.1924950.36  733.8225482.25  707.4825520.09  704.89 25805.1  697.94
25958.82  715.7926007.14  722.5826057.75  722.5826313.62  725.4826697.21  722.75
26850.45  724.4927114.96  741.6927629.34  747.5427845.96  743.8628238.49  732.73
28630.77  718.7528689.34  718.3229429.92  732.3629499.46  734.1930569.22  734.19
30946.86   737.132439.33  728.3832929.73  731.2933701.37  731.2934647.16  724.19
34819.92  724.1935187.07  729.6335299.16  730.6335683.85  728.3836111.24  728.38
 36671.5     70036677.41  698.1536830.59  636.3936996.55  621.29 37021.9  621.81
37138.03  628.1537627.37  647.7238063.35  684.1338156.06  688.7138604.08  689.55
38755.37  675.6538811.98  675.7539203.38  704.8739700.66  718.9440009.59   727.1
40499.56  729.9940886.77  738.0841117.61  739.4541211.12  739.0341679.29  734.19
 42298.4     740 42654.7  736.5142986.55  740.3643117.35  739.0843188.78  736.49
43295.16  733.6743652.22  728.1143824.92     73043913.21     73044956.23  722.03
45053.58  718.0545276.97  710.6145512.07  705.6845595.55   702.9 45805.4   702.9
45833.32  703.8846009.39  708.6346291.47  706.4446954.55  687.5847094.96  684.68
47321.21   683.747441.26  685.6747982.15   717.2 48287.5  730.6849277.83  738.95
49449.98  740.7549943.75  748.4850078.55  751.9450951.15     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521662.18     .1522070.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21662.1822070.72             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.19    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.03    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1555785.00   76947.60   1162850.00
  E.G. Slope (ft/ft)      0.000308    Area (sq ft)            1555785.00   76947.60   1162850.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5148490.00   438868.90   2415774.00
  Top Width (ft)          47277.56    Top Width (ft)          18732.38     408.54   28136.64
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.31       5.70       2.08
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.05     188.35      41.33
  Conv. Total (cfs)       455690100.0    Conv. (cfs)            293149700.0   24988740.0   137551700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18754.07     409.95   28181.63
  Min Ch El (ft)            565.00    Shear (lb/sq ft)            1.60       3.61       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.29      20.61       1.65
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22132.48    1119.67   16229.35
  C & E Loss (ft)             0.00    Cum SA (acres)            266.66       5.94     404.76


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266912.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.41  763.48 1415.12     760 1925.03     760 2322.73  762.88
 2405.41  762.88 2544.03     770 2753.46     770 2843.25  765.17 3150.37  743.37
 3681.93  724.16 3940.68  716.37  4548.8  701.96 4652.26  701.26 4784.39  701.51
 5576.76  690.38  5775.1   691.2 6020.51  683.66 6059.02  682.88 6735.55  682.88
 6983.28  672.35 7238.17  655.32 7338.68  652.88 7434.33  652.88 7559.29  656.48
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 7834.04  687.68 7895.37  692.88 8078.87  678.64 8135.08  678.64 8174.61  677.98
 8307.24  684.02 8387.79  689.03 8517.67  699.09 8756.01  709.83 9146.93  715.76
 9384.29  715.76 9406.68   714.8 9549.84  707.03 9662.42  705.7610528.16  703.69
10865.56  684.3211175.39  660.0711204.31  652.2711360.88  648.6311607.59  659.19
11673.03  663.5112114.81  702.4812455.33     71012965.78  712.8812974.46  713.01
13158.08  706.2613387.33  692.8213453.15  692.3713575.91  702.83 13762.3     720
14134.69     72014192.12  717.7514281.69  715.37 14563.6  718.9214757.58  727.62
14831.41     73015263.33     730   15805  721.36 15991.2  708.1716008.38  704.75
16157.74   682.1 16356.2  641.8716377.88  640.2316630.45  626.2217071.24  617.53
17185.35  617.1219559.42  617.1219779.91     62020155.46     620 20561.2  611.36
20732.21  611.3620825.95  604.2421077.26  597.1221617.35   590.121624.76  589.53
21662.66     58021724.98  571.7121804.88  567.3621884.78     565 22042.4  575.44
22071.36     58022154.34   635.322215.84  639.3522421.41  663.7822484.31  668.23
22777.19  659.1722855.29  660.5523724.79  709.1924016.33  720.3524456.81  734.32
24716.01  744.2424951.57  733.8325483.56  707.4325521.41  704.8525806.48  697.96
25960.23  715.9126008.56  722.7226059.18  722.72 26315.1   725.626698.77  722.81
26852.04  724.54 27116.6  741.7627631.08  747.5627847.74  743.8428240.35  732.68
28632.71  718.6828691.28  718.2529432.01  732.4129501.57  734.2430571.54  734.24
30949.25  737.1232442.03  728.4832932.52  731.3633704.31  731.3634650.29  724.24
34823.09  724.24 35190.3  729.6935302.42  730.7135687.18  728.4836114.66  728.48
36675.02     70036680.95  698.1536834.15  636.3437000.14  621.36 37025.5  621.87
37141.65  628.2137631.08  647.8138067.15   684.138159.89  688.6438607.99  689.48
38759.31  675.5238815.93  675.6339207.41  704.8339704.79  718.9440013.79  727.12
40503.84  730.0240891.14  738.0841122.02  739.4541215.54  739.04 41683.8  734.24
42303.04     74042659.41  736.5442991.33  740.4443122.15  739.17 43193.6  736.58
   43300  733.7443657.13  728.1243829.86     73043918.17     730 44961.4   722.1
45058.77  718.11 45282.2  710.6445517.34  705.6745600.84  702.8845810.73  702.88
45838.66  703.8646014.77  708.64 46296.9  706.4746960.11  687.6147100.55  684.69
47326.84  683.6747446.92  685.6247987.92  717.1648293.32  730.6849283.85  738.95
49456.04  740.7449949.91  748.4750084.74  751.93 50957.5     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521662.66     .1522071.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21662.6622071.36             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.19    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.03    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1555836.00   76976.89   1162504.00
  E.G. Slope (ft/ft)      0.000309    Area (sq ft)            1555836.00   76976.89   1162504.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5149426.00   439100.80   2414606.00
  Top Width (ft)          47284.00    Top Width (ft)          18732.95     408.70   28142.34
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.31       5.70       2.08
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.05     188.35      41.31
  Conv. Total (cfs)       455622000.0    Conv. (cfs)            293159200.0   24998210.0   137464600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18754.70     410.10   28187.43
  Min Ch El (ft)            565.00    Shear (lb/sq ft)            1.60       3.62       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.29      20.62       1.65
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21954.25    1110.85   16096.16
  C & E Loss (ft)             0.00    Cum SA (acres)            264.52       5.89     401.54


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266907.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.44  763.49 1415.16     760 1925.08     760 2322.78  762.86
 2405.46  762.86 2544.09    770 2753.52     770 2843.31  765.15 3150.44  743.34
 3682.01  724.17 3940.77  716.39  4548.9  701.97 4652.36  701.25  4784.5  701.48
 5576.88  690.35 5775.23  691.13 6020.64  683.63 6059.16  682.86  6735.7  682.86
 6983.43   672.3 7238.33  655.28 7338.85  652.86  7434.5  652.86 7559.46  656.43
 7834.21  687.64 7895.55  692.86 8079.05  678.57 8135.26  678.57 8174.79  677.92
 8307.43     684 8387.97  689.03 8517.86   699.1 8756.21  709.83 9147.13  715.71
  9384.5  715.71 9406.89  714.75 9550.05  706.97 9662.63  705.7110528.39  703.66
 10865.8  684.2411175.64  659.9911204.56  652.1711361.13  648.5611607.84  659.22
11673.29  663.5612115.08  702.54 12455.6     71012966.07  712.8612974.75  712.99
13158.38  706.1813387.63  692.7213453.45  692.2713576.21  702.7713762.61     720
14135.01     72014192.44  717.7714282.01  715.4214563.92  718.98 14757.9  727.64
14831.74     73015263.67     73015805.35  721.4315991.55  708.3516008.74  704.93
 16158.1  682.2516356.56  641.9316378.25   640.316630.81  626.2517071.62  617.55
17185.73  617.1419559.86  617.1419780.35     62020155.91     62020561.66  611.43
20732.67  611.4320826.42  604.2921077.73  597.1421617.83   590.121625.25  589.53
21663.14     58021725.59  571.6921805.65  567.3521885.71     56522043.08  575.46
   22072     580   22155  635.4222216.51  639.4322422.12   663.822485.03  668.25
22777.96   659.122856.08  660.4723725.76  709.0924017.35  720.2824457.93  734.34
24717.17  744.2924952.78  733.8425484.88  707.3925522.74  704.8125807.86  697.97
25961.63  716.0226009.98  722.8626060.61  722.8626316.58  725.7226700.32  722.87
26853.62  724.5827118.24  741.8227632.82  747.5827849.52  743.8228242.21  732.62
28634.65  718.6128693.23  718.1929434.11  732.4529503.68  734.2930573.86  734.29
30951.65  737.1432444.71  728.5732935.31  731.4333707.25  731.4334653.42  724.29
34826.25  724.2935193.54  729.7635305.68  730.7835690.51  728.5736118.07  728.57
36678.55     70036684.47  698.1436837.71  636.2937003.73  621.4337029.09  621.94
37145.27  628.27 37634.8  647.9138070.95  684.0638163.71  688.57 38611.9   689.4
38763.25  675.3938819.88   675.539211.43  704.7939708.92  718.9340017.97  727.14
40508.13  730.06 40895.5  738.0741126.43  739.4441219.97  739.0541688.32  734.29
42307.68     74042664.12  736.5742996.11  740.5243126.95  739.2643198.42  736.66
43304.84  733.8243662.04  728.14 43834.8     73043923.13     73044966.57  722.16
45063.95  718.1745287.43  710.6845522.62  705.6645606.13  702.8645816.07  702.86
45844.01  703.8446020.14  708.6546302.34   706.546965.67  687.6347106.14  684.71
47332.48  683.6447452.58  685.5847993.68  717.1148299.15  730.6749289.88  738.94
49462.09  740.7449956.06  748.4750090.92  751.9150963.86     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521663.14     .15   22072     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21663.14   22072             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.19    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
```

```
  W.S. Elev (ft)            759.03    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1555879.00   77007.18   1162191.00
  E.G. Slope (ft/ft)      0.000309    Area (sq ft)            1555879.00   77007.18   1162191.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5150265.00   439337.70   2413531.00
  Top Width (ft)          47290.72    Top Width (ft)          18733.67     408.86   28148.19
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.31       5.71       2.08
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.05     188.35      41.29
  Conv. Total (cfs)       455556600.0    Conv. (cfs)            293164800.0   25008110.0   137383700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18755.45     410.26   28193.36
  Min Ch El (ft)            565.00    Shear (lb/sq ft)            1.60       3.62       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.29      20.63       1.65
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21776.02    1102.03   15963.01
  C & E Loss (ft)             0.00    Cum SA (acres)            262.37       5.85     398.32


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266902.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.47   763.5 1415.19     760 1925.12     760 2322.83  762.83
 2405.52  762.83 2544.14     770 2753.58     770 2843.38  765.14 3150.51  743.31
 3682.09  724.19 3940.85  716.41    4549  701.97 4652.46  701.24  4784.6  701.45
    5577  690.32 5775.36  691.07 6020.78   683.6 6059.29  682.83 6735.85  682.83
 6983.59  672.24  7238.5  655.24 7339.01  652.83 7434.66  652.83 7559.63  656.38
 7834.39   687.6 7895.72  692.83 8079.23   678.5 8135.44   678.5 8174.97  677.85
 8307.61  683.98 8388.16  689.03 8518.05  699.11 8756.41  709.83 9147.33  715.67
 9384.71  715.67  9407.1   714.7 9550.27  706.91 9662.85  705.6710528.63  703.63
10866.05  684.1511175.89   659.911204.81  652.0711361.39  648.49 11608.1  659.25
11673.55   663.612115.35   702.612455.88     71012966.36  712.8312975.04  712.96
13158.67  706.1113387.92  692.6113453.75  692.1713576.52  702.7213762.91     720
14135.32     72014192.76  717.7914282.33  715.4714564.25  719.0414758.23  727.66
14832.07     73015264.01     73015805.71   721.515991.91  708.5316009.09  705.11
16158.46  682.3916356.92     64216378.61  640.3716631.19  626.28   17072  617.57
17186.11  617.1719560.29  617.1719780.79     62020156.35     62020562.12   611.5
20733.13   611.520826.88  604.33 21078.2  597.1721618.32   590.121625.73  589.54
21663.62      580 21726.2  571.6821806.43  567.3421886.65     56522043.77  575.48
22072.64     58022155.65  635.5422217.18  639.5222422.83  663.8122485.75  668.26
22778.74  659.0222856.88  660.3823726.73  708.9924018.38  720.2224459.04  734.35
24718.34  744.3324953.99  733.8525486.19  707.3525524.06  704.7725809.23  697.99
25963.04  716.14 26011.4     72326062.04     72326318.06  725.8426701.88  722.92
26855.21  724.6227119.87  741.8927634.56   747.6 27851.3   743.828244.07  732.56
28636.58  718.5428695.18  718.12 29436.2  732.4929505.79  734.3330576.18  734.33
30954.05  737.1732447.41  728.67 32938.1   731.533710.19   731.534656.54  724.33
34829.41  724.3335196.77  729.8235308.93  730.8635693.85  728.6736121.49  728.67
36682.08     700   36688  698.1336841.27  636.2337007.32   621.537032.69  622.01
37148.89  628.3337638.52     64838074.76  684.0338167.53   688.538615.81  689.32
38767.19  675.2738823.83  675.3739215.46  704.7639713.05  718.9340022.16  727.17
40512.41  730.0940899.86  738.0741130.83  739.4441224.39  739.0641692.84  734.33
42312.32     74042668.84   736.643000.89   740.643131.76  739.3543203.23  736.75
43309.68   733.943666.95  728.1543839.75     73043928.09     73044971.73  722.22
45069.14  718.2345292.66  710.71 45527.9  705.6445611.43  702.83 45821.4  702.83
45849.35  703.8146025.52  708.6746307.77  706.5346971.23  687.6647111.73  684.72
47338.11  683.6147458.24  685.5347999.45  717.0748304.98  730.67 49295.9  738.94
49468.15  740.7349962.21  748.46 50097.1   751.950970.21     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521663.62     .1522072.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21663.6222072.64              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.19    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.03    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1555905.00   77037.19   1161874.00
  E.G. Slope (ft/ft)      0.000309    Area (sq ft)            1555905.00   77037.19   1161874.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5151084.00   439575.90   2412474.00
  Top Width (ft)          47297.18    Top Width (ft)          18734.27     409.02   28153.88
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.31       5.71       2.08
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.05     188.35      41.27
  Conv. Total (cfs)       455486300.0    Conv. (cfs)            293166200.0   25017800.0   137302300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18756.11     410.42   28199.16
  Min Ch El (ft)            565.00    Shear (lb/sq ft)            1.60       3.62       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.29      20.64       1.65
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21597.79    1093.21   15829.89
  C & E Loss (ft)             0.00    Cum SA (acres)            260.23       5.80     395.09


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266897.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.49  763.51 1415.22     760 1925.16     760 2322.88  762.81
 2405.57  762.81  2544.2     770 2753.64     770 2843.44  765.12 3150.58  743.29
 3682.17   724.2 3940.94  716.44  4549.1  701.98 4652.57  701.23 4784.71  701.42
 5577.13  690.28 5775.48  691.01 6020.91  683.57 6059.43  682.81    6736  682.81
 6983.74  672.18 7238.66  655.19 7339.17  652.81 7434.83  652.81  7559.8  656.32
 7834.56  687.56  7895.9  692.81 8079.41  678.43 8135.62  678.43 8175.15  677.79
  8307.8  683.96 8388.35  689.02 8518.24  699.11  8756.6  709.83 9147.54  715.62
 9384.92  715.62 9407.31  714.65 9550.48  706.86 9663.06  705.6210528.86   703.6
10866.29  684.0711176.13  659.8211205.06  651.9711361.64  648.4211608.36  659.28
11673.81  663.6512115.62  702.6612456.16     71012966.65  712.8112975.33  712.94
13158.96  706.0313388.22  692.5113454.05  692.0713576.82  702.6613763.22     720
14135.64     72014193.07   717.814282.64  715.5214564.57   719.114758.56  727.68
 14832.4     73015264.36     73015806.06  721.5715992.26   708.716009.45  705.29
16158.82  682.5416357.29  642.0616378.98  640.4316631.56  626.3117072.38  617.59
 17186.5  617.1919560.73  617.1919781.23     620 20156.8     62020562.58  611.57
20733.59  611.5720827.34  604.3821078.67  597.19 21618.8   590.121626.21  589.54
21664.11     58021726.81  571.67 21807.2  567.3321887.59     56522044.45  575.49
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22073.28     58022156.31  635.6622217.85  639.6122423.54  663.8222486.47  668.27
22779.52  658.9522857.67  660.2923727.69  708.89 24019.4  720.1524460.15  734.36
 24719.5  744.38 24955.2  733.87 25487.5  707.3125525.38  704.7325810.61  698.01
25964.45  716.2626012.81  723.1426063.46  723.1426319.54  725.9526703.43  722.98
26856.79  724.6727121.51  741.96 27636.3  747.6227853.08  743.7828245.93  732.51
28638.52  718.4728697.13  718.05 29438.3  732.5329507.89  734.38 30578.5  734.38
30956.44  737.19 32450.1  728.7632940.89  731.5733713.13  731.5734659.67  724.38
34832.57  724.38   35200  729.8935312.19  730.9335697.18  728.7636124.91  728.76
36685.61     70036691.53  698.1336844.83  636.1837010.92  621.5737036.29  622.07
37152.51  628.3937642.23  648.0938078.56     68438171.35  688.4338619.72  689.25
38771.13  675.1438827.79  675.2439219.49  704.7239717.17  718.9240026.35  727.19
 40516.7  730.1240904.22  738.0641135.24  739.4441228.82  739.0641697.36  734.38
42316.97     74042673.55  736.6343005.67  740.6743136.56  739.4443208.05  736.84
43314.52  733.9843671.86  728.1743844.69     73043933.05     730 44976.9  722.29
45074.33  718.2845297.89  710.7545533.18  705.6345616.72  702.8145826.74  702.81
45854.69  703.7946030.89  708.68 46313.2  706.55 46976.8  687.6847117.33  684.74
47343.75  683.58 47463.9  685.4848005.21  717.03 48310.8  730.6649301.92  738.94
 49474.2  740.7349968.37  748.4650103.28  751.8850976.56     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521664.11     .1522073.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21664.1122073.28             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.19    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.03    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1555955.00   77065.59   1161560.00
  E.G. Slope (ft/ft)      0.000309    Area (sq ft)            1555955.00   77065.59   1161560.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5151945.00   439801.80   2411387.00
  Top Width (ft)          47303.86    Top Width (ft)          18734.96     409.17   28159.73
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.31       5.71       2.08
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.05     188.35      41.25
  Conv. Total (cfs)       455422600.0    Conv. (cfs)            293174100.0   25027150.0   137221200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18756.84     410.57   28205.11
  Min Ch El (ft)            565.00    Shear (lb/sq ft)            1.60       3.62       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.30      20.65       1.65
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21419.55    1084.38   15696.81
  C & E Loss (ft)             0.00    Cum SA (acres)            258.08       5.75     391.86


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266892.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.52  763.52 1415.25     760  1925.2     760 2322.93  762.79
 2405.63  762.79 2544.26     770  2753.7     770  2843.5   765.1 3150.65  743.26
 3682.26  724.21 3941.03  716.46  4549.2  701.99 4652.67  701.22 4784.82  701.39
 5577.25  690.25 5775.61  690.95 6021.04  683.54 6059.56  682.79 6736.15  682.79
  6983.9  672.12 7238.82  655.15 7339.34  652.79 7434.99  652.79 7559.97  656.27
 7834.74  687.52 7896.08  692.79 8079.59  678.36  8135.8  678.36 8175.34  677.72
 8307.98  683.94 8388.53  689.02 8518.43  699.12 8756.79  709.83 9147.74  715.57
 9385.13  715.57 9407.52   714.6 9550.69   706.8 9663.28  705.57 10529.1  703.57
10866.53  683.9911176.38  659.7411205.31  651.8711361.89  648.3511608.62  659.31
11674.07  663.6912115.89  702.7212456.43     71012966.94  712.7912975.62  712.91
13159.25  705.9513388.52  692.4113454.35  691.9713577.12   702.613763.53     720
14135.95     72014193.39  717.8214282.96  715.57 14564.9  719.1614758.89  727.69
14832.73     730 15264.7     73015806.41  721.6415992.62  708.8816009.81  705.47
16159.18  682.6916357.65  642.1316379.34   640.516631.93  626.3417072.76  617.61
17186.88  617.2119561.16  617.2119781.68     62020157.25     62020563.04  611.64
20734.06  611.6420827.81  604.4321079.14  597.2121619.28   590.121626.69  589.54
21664.59     58021727.42  571.6521807.97  567.3121888.52     56522045.14  575.51
22073.92     58022156.96  635.7822218.52  639.6922424.25  663.83 22487.2  668.29
 22780.3  658.8722858.46  660.2123728.66  708.7924020.42  720.0924461.26  734.38
24720.66  744.43 24956.4  733.8825488.82  707.27 25526.7  704.6925811.99  698.02
25965.86  716.3826014.23  723.2826064.89  723.2826321.02  726.0726704.98  723.04
26858.38  724.7127123.15  742.0327638.04  747.6427854.87  743.7628247.79  732.45
28640.46  718.3928699.08  717.9829440.39  732.57   29510  734.4330580.82  734.43
30958.84  737.2132452.79  728.8532943.68  731.6433716.07  731.64 34662.8  724.43
34835.73  724.4335203.24  729.9535315.45  731.0135700.51  728.8536128.33  728.85
36689.14     70036695.06  698.1236848.39  636.1337014.51  621.6437039.89  622.14
37156.13  628.4537645.95  648.1838082.36  683.9638175.17  688.3638623.63  689.17
38775.07  675.0238831.74  675.1239223.52  704.68 39721.3  718.9240030.54  727.21
40520.99  730.1540908.59  738.0541139.65  739.4441233.25  739.0741701.88  734.43
42321.61     74042678.26  736.6543010.45  740.7543141.36  739.5243212.87  736.93
43319.36  734.0643676.77  728.1843849.64     73043938.02     73044982.07  722.35
45079.51  718.3445303.12  710.7845538.45  705.6145622.02  702.7945832.07  702.79
45860.03  703.7746036.27  708.6946318.63  706.5846982.36  687.7147122.92  684.75
47349.38  683.5547469.56  685.4448010.98  716.9948316.63  730.6649307.94  738.93
49480.26  740.7249974.52  748.4550109.46  751.8650982.91     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521664.59     .1522073.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21664.5922073.92             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.18    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.03    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1556002.00   77096.80   1161251.00
  E.G. Slope (ft/ft)      0.000309    Area (sq ft)            1556002.00   77096.80   1161251.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5152776.00   440044.60   2410312.00
  Top Width (ft)          47310.58    Top Width (ft)          18735.68     409.33   28165.57
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.31       5.71       2.08
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.05     188.35      41.23
  Conv. Total (cfs)       455359900.0    Conv. (cfs)            293181200.0   25037530.0   137141200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18757.60     410.73   28211.05
  Min Ch El (ft)            565.00    Shear (lb/sq ft)            1.60       3.62       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.30      20.66       1.65
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21241.30    1075.55   15563.77
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  C & E Loss (ft)             0.00    Cum SA (acres)            255.93       5.71     388.64

CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266887.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.55  763.53 1415.28     760 1925.25     760 2322.98  762.76
 2405.68  762.76 2544.31    770 2753.76     770 2843.57  765.09 3150.72  743.23
 3682.34  724.23 3941.12  716.48  4549.3  701.99 4652.77  701.21 4784.92  701.37
 5577.38  690.22 5775.74  690.89 6021.18  683.51  6059.7  682.76  6736.3  682.76
 6984.06  672.06 7238.98  655.11  7339.5  652.76 7435.16  652.76 7560.13  656.22
 7834.91  687.48 7896.25  692.76 8079.77  678.29 8135.98  678.29 8175.52  677.66
 8308.17  683.92 8388.72  689.02 8518.62  699.13 8756.99  709.83 9147.95  715.53
 9385.34  715.53 9407.73  714.55  9550.9  706.74 9663.49  705.5310529.33  703.54
10866.77   683.911176.63  659.6611205.56  651.7711362.14  648.2811608.88  659.34
11674.33  663.7412116.16  702.7812456.71     71012967.22  712.76 12975.9  712.89
13159.55  705.8713388.82   692.313454.65  691.8713577.42  702.5513763.83     720
14136.27     720 14193.7  717.8414283.28  715.6214565.22  719.2314759.22  727.71
14833.06     73015265.04     73015806.76  721.7115992.98  709.0616010.16  705.65
16159.54  682.8316358.02   642.216379.71  640.57 16632.3  626.3717073.14  617.63
17187.26  617.24 19561.6  617.2419782.12     620 20157.7     62020563.49  611.71
20734.52  611.7120828.27  604.4721079.61  597.2421619.76   590.121627.17  589.55
21665.07     58021728.03  571.6421808.75   567.321889.46  564.9922045.82  575.53
22074.56     58022157.62   635.922219.18  639.7822424.96  663.8522487.92   668.3
22781.08   658.822859.26  660.1223729.62  708.6924021.45  720.0324462.37  734.39
24721.82  744.4724957.61  733.8925490.13  707.2325528.02  704.6525813.37  698.04
25967.27   716.526015.65  723.4226066.32  723.42 26322.5  726.1926706.54   723.1
26859.96  724.7627124.79  742.0927639.78  747.6627856.65  743.7428249.65  732.39
 28642.4  718.3228701.03  717.9229442.49  732.6129512.11  734.4730583.14  734.47
30961.23  737.2432455.48  728.9532946.46  731.7133719.01  731.7134665.93  724.47
34838.89  724.4735206.47  730.02 35318.7  731.0935703.84  728.9536131.75  728.95
36692.66     70036698.59  698.1236851.95  636.08 37018.1  621.7137043.48   622.2
37159.75  628.5137649.67  648.2738086.17  683.93   38179  688.2938627.54  689.09
38779.01  674.8938835.69  674.9939227.55  704.6439725.43  718.9240034.73  727.24
40525.27  730.1940912.95  738.0541144.06  739.4441237.68  739.08 41706.4  734.47
42326.25     74042682.97  736.6843015.22  740.8343146.17  739.6143217.69  737.01
43324.19  734.1343681.68   728.243854.58     73043942.98     73044987.23  722.42
 45084.7   718.445308.36  710.8245543.73   705.645627.31  702.7645837.41  702.76
45865.37  703.7546041.65   708.746324.06  706.6146987.92  687.7347128.51  684.77
47355.02  683.5247475.21  685.3948016.75  716.9448322.46  730.6549313.96  738.93
49486.32  740.7149980.68  748.4550115.64  751.8550989.27     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521665.07     .1522074.56     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21665.0722074.56             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.18    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.03    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1556017.00   77127.60   1160923.00
  E.G. Slope (ft/ft)      0.000309    Area (sq ft)            1556017.00   77127.60   1160923.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5153592.00   440296.10   2409245.00
  Top Width (ft)          47317.04    Top Width (ft)          18736.28     409.49   28171.26
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.31       5.71       2.08
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           83.05     188.35      41.21
  Conv. Total (cfs)       455284700.0    Conv. (cfs)            293179100.0   25047700.0   137057900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18758.25     410.89   28216.84
  Min Ch El (ft)            564.99    Shear (lb/sq ft)            1.60       3.62       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.30      20.67       1.65
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21063.06    1066.72   15430.76
  C & E Loss (ft)             0.00    Cum SA (acres)            253.79       5.66     385.41


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266882.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.58  763.54 1415.31     760 1925.29     760 2323.04  762.74
 2405.73  762.74 2544.37    770 2753.83     770 2843.63  765.07 3150.79   743.2
 3682.42  724.24 3941.21  716.5  4549.4     702 4652.88   701.2 4785.03  701.34
  5577.5  690.19 5775.87  690.82 6021.31  683.48 6059.83  682.74 6736.45  682.74
 6984.21  672.01 7239.14  655.06 7339.66  652.74 7435.33  652.74  7560.3  656.17
 7835.08  687.44 7896.43  692.74 8079.95  678.22 8136.16  678.22  8175.7  677.59
 8308.35   683.9 8388.91  689.01 8518.81  699.14 8757.18  709.84 9148.15  715.48
 9385.55  715.48 9407.94   714.5 9551.12  706.69 9663.71  705.4810529.57  703.51
10867.01  683.8211176.88  659.5811205.81  651.68 11362.4  648.2111609.14  659.37
11674.59  663.7812116.43  702.8412456.99     71012967.51  712.7412976.19  712.86
13159.84  705.7913389.12   692.213454.95  691.7713577.73  702.4913764.14     720
14136.58     72014194.02  717.86 14283.6  715.6714565.54  719.2914759.55  727.73
14833.39     73015265.38     73015807.11  721.7815993.33  709.2416010.52  705.83
 16159.9  682.9816358.38  642.2616380.07  640.6316632.67   626.417073.52  617.65
17187.64  617.2619562.04  617.2619782.56     62020158.15     62020563.95  611.78
20734.98  611.7820828.73  604.5221080.08  597.2621620.24   590.121627.65  589.55
21665.55     58021728.64  571.6321809.52  567.29 21890.4  564.9922046.51  575.55
 22075.2     58022158.28  636.0222219.85  639.8722425.66  663.8622488.64  668.32
22781.86  658.7222860.05  660.0423730.59  708.5924022.47  719.9624463.48  734.41
24722.99  744.5224958.82   733.925491.45  707.1925529.34  704.6125814.75  698.06
25968.68  716.6126017.07  723.5626067.75  723.5626323.97   726.326708.09  723.16
26861.55   724.827126.42  742.1627641.52  747.6827858.43  743.7228251.51  732.34
28644.33  718.2528702.98  717.8529444.58  732.6529514.22  734.5230585.46  734.52
30963.63  737.2632458.17  729.0432949.25  731.7833721.95  731.7834669.05  724.52
34842.05  724.5235209.71  730.0835321.96  731.1635707.18  729.0436135.16  729.04
36696.19     70036702.12  698.1136855.51  636.03 37021.7  621.7837047.08  622.27
37163.37  628.5737653.39  648.3638089.97   683.938182.82  688.2238631.45  689.01
38782.95  674.7638839.64  674.8639231.58   704.639729.55  718.9140038.91  727.26
40529.56  730.2240917.31  738.0441148.46  739.44 41242.1  739.0941710.92  734.52
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42330.89     74042687.68  736.71   43020  740.9143150.97   739.743222.51   737.1
43329.03  734.2143686.59  728.2143859.52     73043947.94     730 44992.4  722.48
45089.89  718.4645313.59  710.8545549.01  705.58 45632.6  702.7445842.75  702.74
45870.71  703.7346047.02  708.7146329.49  706.6446993.48  687.76 47134.1  684.79
47360.65  683.4947480.88  685.3548022.52   716.948328.29  730.6549319.99  738.92
49492.38  740.7149986.83  748.4450121.82  751.8350995.62     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521665.55     .15 22075.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21665.55 22075.2             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.18    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.02    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1556063.00   77156.98   1160610.00
  E.G. Slope (ft/ft)      0.000309    Area (sq ft)            1556063.00   77156.98   1160610.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5154440.00   440526.00   2408167.00
  Top Width (ft)          47323.76    Top Width (ft)          18737.00     409.65   28177.11
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.31       5.71       2.07
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.05     188.35      41.19
  Conv. Total (cfs)       455219900.0    Conv. (cfs)            293185600.0   25057210.0   136977100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18759.01     411.05   28222.78
  Min Ch El (ft)            564.99    Shear (lb/sq ft)            1.60       3.62       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.30      20.68       1.65
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20884.80    1057.88   15297.79
  C & E Loss (ft)             0.00    Cum SA (acres)            251.64       5.61     382.18


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266877.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.61  763.56 1415.34     760 1925.33     760 2323.09  762.72
 2405.79  762.72 2544.43    770 2753.89     770 2843.69  765.06 3150.86  743.18
  3682.5  724.26 3941.29  716.52 4549.51  702.01 4652.98  701.19 4785.14  701.31
 5577.62  690.16    5776  690.76 6021.45  683.45 6059.97  682.72  6736.6  682.72
 6984.37  671.95  7239.3  655.02 7339.83  652.72 7435.49  652.72 7560.47  656.11
 7835.26   687.4  7896.6  692.72 8080.13  678.15 8136.34  678.15 8175.88  677.53
 8308.54  683.88 8389.09  689.01    8519  699.14 8757.38  709.84 9148.35  715.43
 9385.76  715.43 9408.15  714.45 9551.33  706.63 9663.92  705.43 10529.8  703.48
10867.26  683.7311177.13  659.4911206.05  651.5811362.65  648.14 11609.4   659.4
11674.85  663.83 12116.7  702.9112457.27     710 12967.8  712.7212976.48  712.84
13160.13  705.7213389.42  692.0913455.25  691.6613578.03  702.4413764.45     720
 14136.9     72014194.34  717.8814283.92  715.7214565.87  719.3514759.88  727.75
14833.72     73015265.71     73015807.47  721.8515993.69  709.4116010.88  706.01
16160.26  683.1216358.75  642.3316380.43   640.716633.04  626.43 17073.9  617.67
17188.03  617.2819562.47  617.28   19783     620 20158.6     62020564.41  611.85
20735.44  611.85 20829.2  604.5721080.55  597.2821620.72   590.121628.13  589.56
21666.04     58021729.25  571.6121810.29  567.2821891.33  564.99 22047.2  575.56
22075.84     58022158.93  636.1422220.52  639.9522426.37  663.8722489.36  668.33
22782.64  658.6522860.85  659.9523731.56  708.4824023.49   719.924464.59  734.42
24724.15  744.5724960.03  733.9225492.76  707.1425530.67  704.5725816.12  698.07
25970.09  716.7326018.49   723.726069.18   723.726325.45  726.4226709.65  723.22
26863.13  724.8527128.06  742.2327643.26   747.727860.21   743.728253.37  732.28
28646.27  718.1828704.93  717.7829446.68  732.6929516.33  734.5730587.79  734.57
30966.02  737.2832460.86  729.1332952.04  731.8533724.89  731.8534672.18  724.57
34845.22  724.5735212.94  730.1535325.22  731.2435710.51  729.1336138.58  729.13
36699.72     70036705.65   698.136859.07  635.9837025.29  621.8537050.68  622.34
37166.99  628.6337657.11  648.4638093.77  683.8638186.64  688.1538635.36  688.94
38786.89  674.6438843.59  674.7439235.61  704.5639733.68  718.9140043.11  727.28
40533.84  730.2540921.67  738.0341152.88  739.4341246.53   739.141715.44  734.57
42335.54     74042692.39  736.7443024.78  740.9843155.78  739.7943227.32  737.19
43333.87  734.29 43691.5  728.2343864.46     730 43952.9     73044997.57  722.55
45095.07  718.5245318.82  710.8945554.29  705.57 45637.9  702.7245848.08  702.72
45876.05  703.71 46052.4  708.7246334.93  706.6746999.05  687.7847139.69   684.8
47366.29  683.4647486.54   685.348028.28  716.8648334.11  730.6449326.01  738.92
49498.43   740.749992.99  748.44   50128  751.8251001.98     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521666.04     .1522075.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21666.0422075.84             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.18    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.02    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1556104.00   77186.90   1160290.00
  E.G. Slope (ft/ft)      0.000309    Area (sq ft)            1556104.00   77186.90   1160290.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5155292.00   440764.80   2407077.00
  Top Width (ft)          47330.18    Top Width (ft)          18737.58     409.80   28182.80
  Vel Total (ft/s)            2.86    Avg. Vel. (ft/s)            3.31       5.71       2.07
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.05     188.35      41.17
  Conv. Total (cfs)       455154400.0    Conv. (cfs)            293191900.0   25067190.0   136895300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18759.63     411.20   28228.58
  Min Ch El (ft)            564.99    Shear (lb/sq ft)            1.60       3.62       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.30      20.69       1.65
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20706.55    1049.04   15164.86
  C & E Loss (ft)             0.00    Cum SA (acres)            249.50       5.57     378.96


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266872.*

INPUT
Description:
Station Elevation Data    num=     174
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.63  763.57 1415.38     760 1925.38     760 2323.14  762.69
 2405.84  762.69 2544.48    770 2753.95     770 2843.76  765.04 3150.93  743.15
 3682.58  724.27 3941.38  716.54 4549.61  702.01 4653.08  701.18 4785.24  701.28
 5577.75  690.13 5776.13   690.7 6021.58  683.42  6060.1  682.69 6736.75  682.69
 6984.52  671.89 7239.46  654.98 7339.99  652.69 7435.66  652.69 7560.64  656.06
 7835.43  687.36 7896.78  692.69 8080.31  678.08 8136.53  678.08 8176.06  677.46
 8308.72  683.86 8389.28  689.01 8519.19  699.15 8757.58  709.84 9148.56  715.39
 9385.97  715.39 9408.36   714.4 9551.54  706.57 9664.14  705.3910530.04  703.45
 10867.5  683.6511177.38  659.41 11206.3  651.48 11362.9  648.0711609.65  659.43
11675.11  663.8712116.97  702.9712457.54    71012968.09  712.6912976.77  712.81
13160.43  705.6413389.71  691.9913455.54  691.5613578.33  702.3813764.75     720
14137.21     72014194.65   717.914284.23  715.7714566.19  719.41 14760.2  727.77
14834.05     73015266.05    73015807.82  721.9215994.04  709.5916011.23  706.19
16160.62  683.2716359.11  642.39 16380.8  640.7616633.41  626.4617074.28  617.69
17188.41  617.3119562.91  617.3119783.44    62020159.05    62020564.87  611.92
 20735.9  611.9220829.66  604.6121081.02  597.3121621.21   590.121628.62  589.56
21666.52     58021729.86   571.621811.06  567.2721892.27  564.9922047.88  575.58
22076.47     58022159.59  636.2522221.19  640.0422427.08  663.8822490.08  668.35
22783.42  658.5722861.64  659.8723732.53  708.3824024.52  719.8324465.71  734.44
24725.31  744.6124961.24  733.9325494.08   707.125531.99  704.53 25817.5  698.09
 25971.5  716.8526019.91  723.84 26070.6  723.8426326.93  726.54 26711.2  723.28
26864.72  724.89 27129.7  742.2927644.99  747.7227861.99  743.6828255.22  732.22
28648.21  718.1128706.88  717.7229448.78  732.7329518.44  734.6130590.11  734.61
30968.42  737.3132463.55  729.2332954.83  731.9233727.83  731.9234675.31  724.61
34848.38  724.6135216.18  730.2135328.48  731.3135713.84  729.23   36142  729.23
36703.25     70036709.18   698.136862.63  635.9337028.88  621.9237054.28   622.4
37170.61  628.6937660.82  648.5538097.58  683.8338190.46  688.0838639.27  688.86
38790.83  674.5138847.54  674.6139239.64  704.5239737.81  718.9140047.29  727.31
40538.13  730.2940926.04  738.0341157.28  739.4341250.95   739.141719.96  734.61
42340.18     74042697.11  736.7743029.55  741.0643160.58  739.8843232.14  737.28
43338.71  734.3743696.41  728.2443869.41    73043957.86    73045002.74  722.61
45100.26  718.5845324.05  710.9245559.56  705.5645643.19  702.6945853.42  702.69
45881.39  703.6946057.77  708.7346340.36   706.747004.61  687.8147145.28  684.82
47371.93  683.43 47492.2  685.2648034.05  716.8248339.94  730.6349332.03  738.92
49504.49   740.749999.14  748.4350134.18   751.851008.33     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521666.52     .1522076.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21666.5222076.47              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.18    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.02    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1556133.00   77214.82   1159968.00
  E.G. Slope (ft/ft)      0.000309    Area (sq ft)            1556133.00   77214.82   1159968.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5156131.00   440993.70   2406009.00
  Top Width (ft)          47336.89    Top Width (ft)          18738.29     409.95   28188.65
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.31       5.71       2.07
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.05     188.35      41.15
  Conv. Total (cfs)       455082100.0    Conv. (cfs)            293193100.0   25076220.0   136812800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18760.39     411.35   28234.52
  Min Ch El (ft)            564.99    Shear (lb/sq ft)            1.60       3.62       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.31      20.70       1.65
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20528.29    1040.20   15031.96
  C & E Loss (ft)             0.00    Cum SA (acres)            247.35       5.52     375.73


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266867.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.66  763.58 1415.41     760 1925.42     760 2323.19  762.67
 2405.89  762.67 2544.54    770 2754.01     770 2843.82  765.03    3151  743.12
 3682.67  724.28 3941.47  716.56 4549.71  702.02 4653.19  701.17 4785.35  701.25
 5577.87  690.09 5776.26  690.64 6021.71  683.39 6060.24  682.67  6736.9  682.67
 6984.68  671.83 7239.62  654.93 7340.15  652.67 7435.82  652.67 7560.81  656.01
 7835.61  687.32 7896.96  692.67 8080.49  678.01 8136.71  678.01 8176.25   677.4
 8308.91  683.84 8389.47    689 8519.38  699.16 8757.77  709.84 9148.76  715.34
 9386.17  715.34 9408.57  714.35 9551.75  706.51 9664.35  705.3410530.27  703.42
10867.74  683.5611177.63  659.3311206.55  651.3811363.16    64811609.91  659.46
11675.37  663.9112117.24  703.0312457.82    71012968.38  712.6712977.06  712.79
13160.72  705.5613390.01  691.8813455.84  691.4613578.63  702.3213765.06     720
14137.53     72014194.97  717.9114284.55  715.8214566.52  719.4814760.53  727.79
14834.38     73015266.39    73015808.17  721.99 15994.4  709.7716011.59  706.37
16160.98  683.4116359.47  642.4616381.16  640.8316633.78   626.517074.66  617.71
17188.79  617.3319563.34  617.3319783.88    620 20159.5    62020565.32  611.99
20736.36  611.9920830.13  604.6621081.49  597.3321621.69   590.1 21629.1  589.56
   21667     58021730.47  571.5821811.84  567.2621893.21  564.9922048.57   575.6
22077.12     58022160.24  636.3722221.86  640.1322427.79   663.9 22490.8  668.36
 22784.2   658.522862.44  659.7823733.49  708.2824025.54  719.7724466.82  734.45
24726.47  744.6624962.45  733.9425495.39  707.0625533.31  704.4925818.88   698.1
 25972.9  716.9726021.32  723.9826072.03  723.9826328.41  726.6626712.76  723.33
 26866.3  724.9427131.34  742.3627646.73  747.7427863.78  743.6628257.09  732.16
28650.14  718.0428708.82  717.6529450.87  732.7729520.55  734.6630592.43  734.66
30970.81  737.3332466.24  729.3232957.61  731.9933730.77  731.9934678.44  724.66
34851.54  724.6635219.41  730.2835331.73  731.3935717.18  729.3236145.41  729.32
36706.78     70036712.71  698.0936866.19  635.8737032.47  621.9937057.88  622.47
37174.23  628.7537664.54  648.6438101.38   683.838194.28  688.0138643.18  688.78
38794.77  674.38 38851.5  674.4839243.67  704.4839741.94   718.940051.48  727.33
40542.41  730.3240930.39  738.0241161.69  739.4341255.38  739.1141724.48  734.66
42344.82     74042701.82  736.7943034.33  741.1443165.38  739.9643236.96  737.36
43343.55  734.4543701.32  728.2643874.36    73043962.82    73045007.91  722.67
45105.45  718.6445329.28  710.9645564.84  705.5445648.48  702.6745858.75  702.67
45886.73  703.6746063.15  708.7446345.79  706.7347010.18  687.8347150.87  684.83
47377.56   683.447497.85  685.2148039.81  716.7848345.77  730.6349338.05  738.91
49510.54  740.69 50005.3  748.4350140.37  751.7951014.68     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   21667     .1522077.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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         2166722077.12             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.18    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.02    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1556186.00   77246.70   1159662.00
  E.G. Slope (ft/ft)      0.000309    Area (sq ft)            1556186.00   77246.70   1159662.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5156968.00   441234.20   2404931.00
  Top Width (ft)          47343.37    Top Width (ft)          18738.90     410.12   28194.35
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.31       5.71       2.07
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.05     188.35      41.13
  Conv. Total (cfs)       455023500.0    Conv. (cfs)            293202800.0   25086660.0   136733900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18761.05     411.52   28240.32
  Min Ch El (ft)            564.99    Shear (lb/sq ft)            1.60       3.63       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.31      20.71       1.64
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20350.02    1031.35   14899.09
  C & E Loss (ft)             0.00    Cum SA (acres)            245.20       5.47     372.50


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266862.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.69  763.59 1415.44     760 1925.46     760 2323.24  762.65
 2405.95  762.65  2544.6     770 2754.07     770 2843.88  765.01 3151.07  743.09
 3682.75   724.3 3941.56  716.58 4549.81  702.03 4653.29  701.16 4785.46  701.23
    5578  690.06 5776.38  690.58 6021.85  683.36 6060.37  682.65 6737.05  682.65
 6984.83  671.77 7239.78  654.89 7340.32  652.65 7435.99  652.65 7560.98  655.96
 7835.78  687.28 7897.13  692.65 8080.67  677.94 8136.89  677.94 8176.43  677.33
 8309.09  683.82 8389.66     689 8519.56  699.16 8757.96  709.84 9148.96  715.29
 9386.38  715.29 9408.78   714.3 9551.97  706.46 9664.57  705.29 10530.5  703.39
10867.98  683.4811177.88  659.25 11206.8  651.2811363.41  647.9311610.17  659.49
11675.63  663.9612117.51  703.09 12458.1     71012968.67  712.6512977.35  712.77
13161.01  705.4813390.31  691.7813456.14  691.3613578.93  702.2713765.37     720
14137.84     72014195.29  717.9314284.87  715.8714566.84  719.5414760.86  727.81
14834.71     73015266.73     73015808.52  722.0615994.76  709.9516011.94  706.55
16161.34  683.5616359.84  642.5316381.53   640.916634.15  626.5317075.04  617.73
17189.18  617.3519563.78  617.3519784.32     62020159.95     62020565.78  612.06
20736.83  612.0620830.59  604.7121081.96  597.3521622.17   590.121629.58  589.57
21667.48     58021731.08  571.5721812.61  567.2521894.14  564.9922049.25  575.62
22077.75     580 22160.9  636.4922222.52  640.21 22428.5  663.9122491.52  668.38
22784.98  658.4322863.23  659.6923734.46  708.1824026.57   719.724467.93  734.46
24727.63  744.7124963.66  733.9525496.71  707.0225534.63  704.4525820.26  698.12
25974.31  717.0926022.74  724.1226073.46  724.1226329.89  726.7726714.31  723.39
26867.89  724.9827132.97  742.4327648.47  747.7627865.56  743.6428258.95  732.11
28652.08  717.9728710.77  717.5829452.97  732.8129522.66  734.7130594.75  734.71
30973.21  737.3532468.93  729.41 32960.4  732.0633733.71  732.0634681.57  724.71
 34854.7  724.7135222.65  730.3435334.99  731.4635720.51  729.4136148.83  729.41
 36710.3     70036716.24  698.0836869.75  635.8237036.07  622.0637061.47  622.54
37177.86  628.8137668.26  648.7338105.19  683.7638198.11  687.9438647.09  688.71
38798.71  674.2638855.45  674.36 39247.7  704.4439746.07   718.940055.67  727.35
 40546.7  730.3540934.76  738.01 41166.1  739.4341259.81  739.12   41729  734.71
42349.46     74042706.53  736.8243039.11  741.2243170.19  740.0543241.78  737.45
43348.39  734.5343706.23  728.27 43879.3     73043967.79     73045013.07  722.74
45110.63   718.745334.51  710.9945570.12  705.5345653.78  702.6545864.09  702.65
45892.07  703.6546068.53  708.7546351.22  706.7647015.74  687.8647156.46  684.85
 47383.2  683.3747503.51  685.1648045.58  716.7348351.59  730.6249344.08  738.91
 49516.6  740.6850011.45  748.4250146.55  751.7751021.04     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521667.48     .1522077.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21667.4822077.75             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.18    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.02    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1556218.00   77274.61   1159353.00
  E.G. Slope (ft/ft)      0.000309    Area (sq ft)            1556218.00   77274.61   1159353.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5157786.00   441459.60   2403889.00
  Top Width (ft)          47350.09    Top Width (ft)          18739.62     410.27   28200.20
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.31       5.71       2.07
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.04     188.35      41.11
  Conv. Total (cfs)       454954900.0    Conv. (cfs)            293205100.0   25095690.0   136654100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18761.81     411.67   28246.27
  Min Ch El (ft)            564.99    Shear (lb/sq ft)            1.60       3.63       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.31      20.72       1.64
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20171.75    1022.50   14766.27
  C & E Loss (ft)             0.00    Cum SA (acres)            243.06       5.43     369.27


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266857.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.72  763.6 1415.47     760  1925.5     760 2323.29  762.62
    2406  762.62 2544.65     770 2754.13     770 2843.95  764.99 3151.14  743.07
 3682.83  724.31 3941.64  716.6 4549.91  702.03  4653.4  701.15 4785.56   701.2
 5578.12  690.03 5776.51  690.52 6021.98  683.33 6060.51  682.62  6737.2  682.62
 6984.99  671.72 7239.95  654.85 7340.48  652.62 7436.15  652.62 7561.15   655.9
 7835.96  687.24 7897.31  692.62 8080.85  677.87 8137.07  677.87 8176.61  677.27
 8309.28   683.8 8389.84     689 8519.75  699.17 8758.16  709.84 9149.17  715.25
 9386.59  715.25 9408.99  714.25 9552.18   706.4 9664.78  705.2510530.74  703.36
10868.22  683.3911178.12  659.1711207.05  651.1811363.66  647.8611610.43  659.52
11675.89     66412117.78  703.1512458.38     71012968.96  712.6212977.64  712.74
13161.31   705.413390.61  691.6813456.44  691.2613579.24  702.2113765.67     720
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14138.16     720 14195.6  717.9514285.19  715.9214567.17   719.614761.19  727.83
14835.04     73015267.07     73015808.88  722.1315995.11  710.12 16012.3  706.73
 16161.7   683.7 16360.2  642.5916381.89  640.9616634.52  626.5617075.42  617.75
17189.56  617.3819564.21  617.3819784.76     62020160.39     62020566.24  612.13
20737.29  612.1320831.05  604.7521082.43  597.3821622.65   590.121630.06  589.57
21667.97     58021731.69  571.5621813.38  567.2421895.08  564.9822049.94  575.64
22078.39     58022161.55  636.6122223.19   640.322429.21  663.9222492.24  668.39
22785.75  658.3522864.02  659.6123735.42  708.0824027.59  719.6424469.04  734.48
 24728.8  744.7524964.87  733.9725498.02  706.9825535.95  704.4125821.64  698.14
25975.72   717.226024.16  724.2626074.89  724.2626331.37  726.8926715.87  723.45
26869.47  725.0227134.61  742.4927650.21  747.7827867.34  743.62 28260.8  732.05
28654.02   717.928712.72  717.5129455.06  732.8529524.77  734.7530597.07  734.75
30975.61  737.3832471.62  729.5132963.19  732.1333736.65  732.13 34684.7  724.75
34857.87  724.7535225.88  730.4135338.25  731.5435723.84  729.5136152.25  729.51
36713.83     70036719.77  698.0836873.31  635.7737039.66  622.1337065.07   622.6
37181.48  628.8737671.98  648.8238108.99  683.7338201.93  687.8738651.01  688.63
38802.65  674.13 38859.4  674.2339251.73   704.4 39750.2   718.940059.86  727.38
40550.99  730.3940939.12  738.01 41170.5  739.4341264.23  739.1341733.52  734.75
 42354.1     74042711.24  736.8543043.89   741.343174.99  740.1443246.59  737.54
43353.23   734.643711.14  728.2943884.24     73043972.75     73045018.24   722.8
45115.82  718.7645339.74  711.0345575.39  705.5145659.07  702.6245869.42  702.62
45897.42  703.63 46073.9  708.7646356.65  706.78 47021.3  687.8847162.05  684.86
47388.83  683.3447509.17  685.1248051.34  716.6948357.42  730.62 49350.1  738.91
49522.66  740.6850017.61  748.4250152.73  751.7551027.39     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521667.97     .1522078.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21667.9722078.39             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.17    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.02    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1556250.00   77303.79   1159019.00
  E.G. Slope (ft/ft)      0.000310    Area (sq ft)            1556250.00   77303.79   1159019.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5158653.00   441700.20   2402780.00
  Top Width (ft)          47356.76    Top Width (ft)          18740.29     410.42   28206.05
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.31       5.71       2.07
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           83.04     188.35      41.09
  Conv. Total (cfs)       454882300.0    Conv. (cfs)            293207600.0   25105370.0   136569300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18762.53     411.82   28252.22
  Min Ch El (ft)            564.98    Shear (lb/sq ft)            1.60       3.63       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.31      20.73       1.64
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19993.48    1013.64   14633.48
  C & E Loss (ft)             0.00    Cum SA (acres)            240.91       5.38     366.04


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266852.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.74  763.61  1415.5     760 1925.55     760 2323.35   762.6
 2406.05   762.6 2544.71     770 2754.19     770 2844.01  764.98 3151.21  743.04
 3682.91  724.32 3941.73  716.62 4550.01  702.04  4653.5  701.14 4785.67  701.17
 5578.25     690 5776.64  690.45 6022.12   683.3 6060.64   682.6 6737.35   682.6
 6985.14  671.66 7240.11  654.81 7340.65   652.6 7436.32   652.6 7561.31  655.85
 7836.13   687.2 7897.48   692.6 8081.03   677.8 8137.25   677.8 8176.79   677.2
 8309.46  683.78 8390.03     689 8519.94  699.18 8758.36  709.84 9149.37   715.2
  9386.8   715.2  9409.2   714.2 9552.39  706.34    9665   705.210530.97  703.33
10868.47  683.3111178.37  659.08 11207.3  651.0811363.92  647.7911610.69  659.55
11676.15  664.0512118.05  703.2112458.65     71012969.25   712.612977.93  712.72
 13161.6  705.3313390.91  691.5713456.74  691.1613579.54  702.1513765.98     720
14138.47     72014195.92  717.9714285.51  715.9714567.49  719.6614761.52  727.85
14835.38     73015267.41     73015809.23   722.215995.47   710.316012.66  706.91
16162.06  683.8516360.57  642.6616382.26  641.0316634.89  626.59 17075.8  617.77
17189.94   617.419564.65   617.4 19785.2     62020160.84     620 20566.7   612.2
20737.75   612.220831.52   604.8 21082.9   597.421623.13   590.121630.54  589.57
21668.45     580 21732.3  571.5421814.16  567.2321896.02  564.9822050.62  575.65
22079.03     58022162.21  636.7322223.86  640.3922429.91  663.9322492.96   668.4
22786.53  658.2822864.82  659.5223736.39  707.9824028.62  719.5724470.15  734.49
24729.96   744.824966.08  733.9825499.33  706.9425537.28  704.3725823.02  698.15
25977.13  717.3226025.58   724.426076.32   724.426332.85  727.0126717.42  723.51
26871.06  725.0727136.25  742.5627651.95   747.827869.12   743.628262.66  731.99
28655.96  717.8328714.67  717.4529457.16   732.929526.88   734.830599.39   734.8
   30978   737.432474.31   729.632965.98   732.233739.59   732.234687.82   724.8
34861.03   724.835229.12  730.47 35341.5  731.6135727.18   729.636155.67   729.6
36717.36     700 36723.3  698.0736876.87  635.7237043.25   622.237068.67  622.67
 37185.1  628.9337675.69  648.9138112.79   683.738205.75   687.838654.92  688.55
38806.59  674.0138863.35   674.139255.75  704.3639754.32  718.8940064.05   727.4
40555.27  730.4240943.48     73841174.91  739.4241268.66  739.1341738.04   734.8
42358.74     74042715.96  736.8843048.67  741.3743179.79  740.2343251.41  737.63
43358.07  734.6843716.05  728.3143889.18     73043977.71     73045023.41  722.87
45121.01  718.8245344.97  711.0645580.67   705.545664.37   702.645874.76   702.6
45902.76  703.6146079.28  708.7846362.08  706.8147026.86  687.9147167.64  684.88
47394.46  683.3147514.83  685.0748057.11  716.6548363.25  730.6149356.12   738.9
49528.71  740.6750023.76  748.4150158.91  751.7451033.74     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521668.45     .1522079.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21668.4522079.03             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.17    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.01    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1556294.00   77335.13   1158709.00
  E.G. Slope (ft/ft)      0.000310    Area (sq ft)            1556294.00   77335.13   1158709.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5159481.00   441944.00   2401709.00
  Top Width (ft)          47363.23    Top Width (ft)          18740.90     410.58   28211.74
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.32       5.71       2.07
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  Max Chl Dpth (ft)          194.03    Hydr. Depth (ft)           83.04     188.36      41.07
  Conv. Total (cfs)        454820200.0    Conv. (cfs)            293214700.0    25115800.0   136489700.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18763.19     411.98   28258.02
  Min Ch El (ft)             564.98    Shear (lb/sq ft)            1.60       3.63       0.79
  Alpha                        1.24    Stream Power (lb/ft s)      5.32      20.74       1.64
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    19815.20    1004.79   14500.72
  C & E Loss (ft)              0.00    Cum SA (acres)            238.76       5.33     362.81


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266847.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.77  763.62 1415.53     760 1925.59     760  2323.4  762.58
 2406.11  762.58 2544.77     770 2754.25     770 2844.07  764.96 3151.28  743.01
 3682.99  724.34 3941.82  716.65 4550.11  702.05  4653.6  701.13 4785.78  701.14
 5578.37  689.97 5776.77  690.39 6022.25  683.28 6060.77  682.58  6737.5  682.58
  6985.3   671.6 7240.27  654.76 7340.81  652.58 7436.48  652.58 7561.48   655.8
 7836.31  687.16 7897.66  692.58 8081.21  677.73 8137.43  677.73 8176.97  677.14
 8309.65  683.76 8390.22  688.99 8520.13  699.19 8758.55  709.85 9149.57  715.15
 9387.01  715.15 9409.41  714.15 9552.61  706.29 9665.21  705.1510531.21   703.3
10868.71  683.2311178.62     65911207.55  650.9811364.17  647.7211610.95  659.58
11676.41  664.0912118.32  703.2712458.93     71012969.54  712.5812978.22  712.69
13161.89  705.25 13391.2  691.4713457.04  691.0613579.84   702.113766.29     720
14138.79     72014196.23  717.9914285.82  716.0214567.81  719.7214761.85  727.87
14835.71     73015267.75     73015809.58  722.2715995.83  710.4816013.01  707.09
16162.42     68416360.93  642.7316382.62   641.116635.26  626.6217076.18  617.79
17190.32  617.4219565.08  617.4219785.64     62020161.29     62020567.16  612.27
20738.21  612.2720831.98  604.8521083.37  597.4221623.61   590.121631.03  589.58
21668.93     58021732.91  571.5321814.93  567.2121896.96  564.9822051.31  575.67
22079.67     58022162.87  636.8522224.53  640.4722430.62  663.9522493.69  668.42
22787.31   658.222865.61  659.4423737.36  707.8824029.64  719.5124471.26  734.51
24731.12  744.8524967.29  733.9925500.65   706.9 25538.6  704.3325824.39  698.17
25978.54  717.44   26027  724.5426077.74  724.5426334.33  727.1226718.98  723.57
26872.64  725.1127137.88  742.6327653.69  747.82 27870.9  743.5828264.52  731.94
28657.89  717.7628716.62  717.3829459.25  732.9429528.99  734.8530601.71  734.85
 30980.4  737.4232477.01   729.732968.77  732.2733742.54  732.2734690.95  724.85
34864.19  724.8535232.35  730.5435344.76  731.6935730.51   729.736159.09   729.7
36720.89     70036726.83  698.0736880.43  635.6737046.84  622.2737072.27  622.73
37188.71  628.9937679.41     649 38116.6  683.6638209.57  687.7338658.83  688.48
38810.54  673.88 38867.3  673.9739259.79  704.3239758.45  718.8940068.24  727.42
40559.56  730.4540947.84     73841179.32  739.4241273.09  739.1441742.55  734.85
42363.38     74042720.67  736.9143053.45  741.45 43184.6  740.3243256.23  737.71
 43362.9  734.7643720.96  728.3243894.13     73043982.67     73045028.57  722.93
 45126.2  718.88 45350.2   711.145585.95  705.4845669.66  702.5845880.09  702.58
 45908.1  703.5946084.65  708.7946367.52  706.8447032.43  687.9347173.23  684.89
 47400.1  683.2847520.49  685.0348062.88  716.6148369.07  730.6149362.14   738.9
49534.77  740.6750029.91  748.4150165.09  751.72 51040.1     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521668.93     .1522079.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21668.9322079.67             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.17    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.01    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                       Flow Area (sq ft)       1556327.00   77365.79   1158353.00
  E.G. Slope (ft/ft)       0.000310    Area (sq ft)            1556327.00   77365.79   1158353.00
  Q Total (cfs)            8003133.00    Flow (cfs)             5160391.00   442196.30   2400546.00
  Top Width (ft)           47369.94    Top Width (ft)          18741.62     410.74   28217.58
  Vel Total (ft/s)             2.87    Avg. Vel. (ft/s)            3.32       5.72       2.07
  Max Chl Dpth (ft)          194.03    Hydr. Depth (ft)           83.04     188.36      41.05
  Conv. Total (cfs)        454743700.0    Conv. (cfs)            293217100.0    25125910.0   136400700.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18763.95     412.14   28263.96
  Min Ch El (ft)             564.98    Shear (lb/sq ft)            1.60       3.63       0.79
  Alpha                        1.24    Stream Power (lb/ft s)      5.32      20.75       1.64
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    19636.92     995.93   14368.01
  C & E Loss (ft)              0.00    Cum SA (acres)            236.61       5.28     359.57


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266842.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1242.8  763.64 1415.56     760 1925.63     760 2323.45  762.55
 2406.16  762.55 2544.82     770 2754.32     770 2844.14  764.95 3151.35  742.98
 3683.08  724.35 3941.91  716.67 4550.21  702.05 4653.71  701.12 4785.88  701.11
 5578.49  689.94  5776.9  690.33 6022.39  683.25 6060.91  682.55 6737.65  682.55
 6985.46  671.54 7240.43  654.72 7340.97  652.55 7436.65  652.55 7561.65  655.74
 7836.48  687.12 7897.83  692.55 8081.39  677.66 8137.61  677.66 8177.16  677.07
 8309.83  683.74  8390.4  688.99 8520.32  699.19 8758.75  709.85 9149.78  715.11
 9387.22  715.11 9409.62   714.1 9552.82  706.23 9665.43  705.1110531.44  703.27
10868.95  683.1411178.87  658.92 11207.8  650.8811364.42  647.6511611.21  659.61
11676.67  664.1412118.59  703.3312459.21     71012969.82  712.55 12978.5  712.67
13162.18  705.17 13391.5  691.3613457.34  690.9613580.14  702.0413766.59     720
 14139.1     72014196.55  718.0114286.14  716.0714568.14  719.7914762.18  727.89
14836.04     73015268.09     73015809.93  722.3415996.18  710.6616013.37  707.27
16162.78  684.14 16361.3  642.7916382.99  641.1616635.63  626.6517076.56  617.81
17190.71  617.4519565.52  617.4519786.08     62020161.74     62020567.61  612.34
20738.67  612.3420832.45  604.8921083.84  597.4521624.09   590.121631.51  589.58
21669.41     58021733.52  571.5121815.71   567.221897.89  564.9822051.99  575.69
22080.31     58022163.52  636.97 22225.2  640.5622431.33  663.9622494.41  668.43
22788.09  658.1322866.41  659.3523738.32  707.7824030.66  719.4424472.37  734.52
24732.29  744.89 24968.5     73425501.96  706.8625539.92  704.2925825.77  698.19
25979.95  717.5626028.41  724.6826079.17  724.68 26335.8  727.2426720.53  723.63
26874.23  725.1627139.52   742.727655.43  747.8427872.69  743.5628266.38  731.88
28659.83  717.6928718.57  717.3129461.35  732.98 29531.1  734.8930604.03  734.89
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30982.79  737.45 32479.7  729.7932971.55  732.3433745.48  732.3434694.08  724.89
34867.35  724.8935235.59   730.635348.02  731.7735733.84  729.79 36162.5  729.79
36724.42     70036730.36  698.0636883.99  635.6237050.43  622.3437075.86   622.8
37192.34  629.0537683.13   649.1 38120.4  683.6338213.39  687.6638662.74   688.4
38814.48  673.7538871.25  673.8539263.81  704.2839762.58  718.8940072.43  727.45
40563.84  730.4840952.21  737.9941183.73  739.4241277.51  739.1541747.07  734.89
42368.02     74042725.38  736.9443058.22  741.53 43189.4   740.443261.05   737.8
43367.74  734.8443725.87  728.3443899.07     73043987.63     73045033.74     723
45131.38  718.9445355.43  711.1345591.23  705.4745674.96  702.5545885.43  702.55
45913.44  703.5746090.03   708.846372.95  706.8747037.99  687.9647178.82  684.91
47405.74  683.2547526.15  684.9848068.64  716.56 48374.9   730.649368.17   738.9
49540.83  740.6650036.07   748.450171.27  751.7151046.45     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521669.41     .1522080.31     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21669.4122080.31             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.17    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.01    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1556360.00   77396.20   1158049.00
  E.G. Slope (ft/ft)      0.000310    Area (sq ft)            1556360.00   77396.20   1158049.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5161188.00   442434.70   2399511.00
  Top Width (ft)          47376.40    Top Width (ft)          18742.22     410.90   28223.28
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.32       5.72       2.07
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.04     188.36      41.03
  Conv. Total (cfs)       454678800.0    Conv. (cfs)            293220500.0   25135870.0   136322400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18764.60     412.30   28269.76
  Min Ch El (ft)            564.98    Shear (lb/sq ft)            1.60       3.63       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.32      20.76       1.64
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19458.63     987.06   14235.33
  C & E Loss (ft)             0.00    Cum SA (acres)            234.47       5.24     356.34


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266837.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.83  763.65  1415.6     760 1925.68     760  2323.5  762.53
 2406.21  762.53 2544.88    770 2754.38     770  2844.2  764.93 3151.42  742.96
 3683.16  724.37    3942  716.69 4550.32  702.06 4653.81  701.11 4785.99  701.09
 5578.62   689.9 5777.03  690.27 6022.52  683.22 6061.04  682.53  6737.8  682.53
 6985.61  671.48 7240.59  654.68 7341.14  652.53 7436.81  652.53 7561.82  655.69
 7836.65  687.08 7898.01  692.53 8081.57  677.59 8137.79  677.59 8177.34  677.01
 8310.02  683.72 8390.59  688.99 8520.51   699.2 8758.94  709.85 9149.98  715.06
 9387.43  715.06 9409.83  714.05 9553.03  706.17 9665.64  705.0610531.68  703.24
10869.19  683.0611179.12  658.8411208.05  650.7811364.67  647.5711611.46  659.64
11676.93  664.1812118.86  703.3912459.49     71012970.11  712.5312978.79  712.64
13162.48  705.09 13391.8  691.2613457.64  690.8613580.45  701.98 13766.9     720
14139.42     72014196.87  718.0214286.46  716.1214568.46  719.85 14762.5  727.91
14836.37     73015268.43     73015810.28  722.4115996.54  710.8316013.73  707.45
16163.14  684.2916361.66  642.8616383.35  641.23   16636  626.6817076.94  617.83
17191.09  617.4719565.96  617.4719786.52     62020162.19     62020568.07  612.41
20739.13  612.4120832.91  604.94 21084.3  597.4721624.57   590.121631.99  589.59
 21669.9     58021734.13   571.521816.48  567.1921898.83  564.9822052.68  575.71
22080.95     58022164.18  637.0922225.86  640.6522432.04  663.9722495.13  668.45
22788.87  658.05 22867.2  659.2623739.29  707.6724031.69  719.3824473.48  734.53
24733.45  744.9424969.71  734.0225503.28  706.8125541.24  704.2625827.15   698.2
25981.36  717.6826029.83  724.82 26080.6  724.8226337.28  727.3626722.09  723.68
26875.81   725.227141.16  742.7627657.17  747.8627874.47  743.5428268.24  731.82
28661.77  717.6228720.52  717.2529463.44  733.0229533.21  734.9430606.35  734.94
30985.19  737.4732482.39  729.8832974.34  732.4133748.41  732.41 34697.2  724.94
34870.51  724.9435238.82  730.6635351.27  731.8435737.17  729.8836165.92  729.88
36727.95     70036733.89  698.0536887.55  635.5737054.03  622.4137079.46  622.87
37195.96  629.1137686.84  649.19 38124.2   683.638217.21  687.5938666.65  688.32
38818.42  673.6338875.21  673.7239267.84  704.24 39766.7  718.8840076.61  727.47
40568.13  730.5240956.57  737.9841188.14  739.4241281.94  739.1641751.59  734.94
42372.67     74042730.09  736.96   43063  741.61 43194.2  740.4943265.87  737.89
43372.58  734.9243730.78  728.3543904.02     73043992.59     73045038.91  723.06
45136.57     71945360.66  711.17 45596.5  705.4645680.25  702.5345890.77  702.53
45918.78  703.5546095.41  708.8146378.38   706.947043.55  687.9847184.41  684.92
47411.37  683.2247531.81  684.9448074.41  716.5248380.72   730.649374.19  738.89
49546.88  740.6550042.22   748.450177.45  751.69 51052.8     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21669.9     .1522080.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21669.922080.95             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.17    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.01    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1556403.00   77423.89   1157746.00
  E.G. Slope (ft/ft)      0.000310    Area (sq ft)            1556403.00   77423.89   1157746.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5162013.00   442654.80   2398466.00
  Top Width (ft)          47383.08    Top Width (ft)          18742.91     411.05   28229.12
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.32       5.72       2.07
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.04     188.36      41.01
  Conv. Total (cfs)       454615100.0    Conv. (cfs)            293226200.0   25144850.0   136244000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18765.34     412.45   28275.71
  Min Ch El (ft)            564.98    Shear (lb/sq ft)            1.60       3.63       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.32      20.76       1.64
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19280.34     978.19   14102.69
  C & E Loss (ft)             0.00    Cum SA (acres)            232.32       5.19     353.11


CROSS SECTION
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RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266832.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.85  763.66 1415.63     760 1925.72     760 2323.55  762.51
 2406.27  762.51 2544.94     770 2754.44     770 2844.26  764.91 3151.49  742.93
 3683.24  724.38 3942.08  716.71 4550.42  702.07 4653.91   701.1  4786.1  701.06
 5578.74  689.87 5777.16  690.21 6022.65  683.19 6061.18  682.51 6737.95  682.51
 6985.77  671.42 7240.75  654.63  7341.3  652.51 7436.98  652.51 7561.99  655.64
 7836.83  687.04 7898.19  692.51 8081.75  677.52 8137.97  677.52 8177.52  676.94
  8310.2   683.7 8390.78  688.98  8520.7  699.21 8759.13  709.85 9150.19  715.01
 9387.64  715.01 9410.04     714 9553.24  706.11 9665.86  705.0110531.91  703.21
10869.43  682.9711179.37  658.76 11208.3  650.6811364.93   647.511611.72  659.67
11677.19  664.2312119.13  703.4612459.76     710 12970.4  712.5112979.08  712.62
13162.77  705.01 13392.1  691.1513457.94  690.7613580.75  701.9313767.21     720
14139.73     72014197.18  718.0414286.78  716.1814568.79  719.9114762.83  727.93
 14836.7     73015268.77     73015810.63  722.4815996.89  711.0116014.08  707.63
 16163.5  684.4316362.02  642.9216383.72   641.316636.37  626.7117077.32  617.85
17191.47  617.4919566.39  617.4919786.96     62020162.64     62020568.53  612.48
 20739.6  612.4820833.37  604.9921084.77  597.4921625.06   590.121632.47  589.59
21670.38     58021734.74  571.4921817.25  567.1821899.77  564.9822053.37  575.73
22081.59     58022164.83  637.2122226.53  640.7322432.75  663.9822495.85  668.46
22789.65  657.98   22868  659.1823740.26  707.5724032.71  719.31 24474.6  734.55
24734.61  744.9924970.91  734.0325504.59  706.7725542.56  704.2225828.53  698.22
25982.77   717.826031.25  724.9626082.03  724.9626338.76  727.4726723.64  723.74
 26877.4  725.25 27142.8  742.8327658.91  747.8827876.25  743.52 28270.1  731.77
28663.71  717.5528722.47  717.1829465.54  733.0629535.31  734.9930608.67  734.99
30987.58  737.4932485.08  729.9832977.13  732.4833751.36  732.4834700.33  724.99
34873.68  724.9935242.05  730.7335354.53  731.9235740.51  729.9836169.34  729.98
36731.47     70036737.41  698.0536891.11  635.5137057.62  622.4837083.06  622.93
37199.58  629.1737690.56  649.2838128.01  683.5638221.04  687.5238670.56  688.24
38822.36   673.538879.16  673.5939271.87   704.239770.83  718.88 40080.8  727.49
40572.41  730.5540960.93  737.9841192.55  739.4241286.37  739.1741756.11  734.99
42377.31     740 42734.8  736.9943067.78  741.6843199.01  740.5843270.68  737.97
43377.42  734.9943735.68  728.3743908.96     73043997.55     73045044.08  723.12
45141.75  719.06 45365.9   711.245601.78  705.4445685.54  702.51 45896.1  702.51
45924.12  703.5346100.78  708.8246383.81  706.9347049.11  688.01   47190  684.94
47417.01   683.247537.47  684.8948080.18  716.4848386.55  730.5949380.21  738.89
49552.94  740.6550048.38  748.3950183.63  751.6851059.16     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521670.38     .1522081.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21670.3822081.59             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.17    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.01    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1556449.00   77453.76   1157407.00
  E.G. Slope (ft/ft)      0.000310    Area (sq ft)            1556449.00   77453.76   1157407.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5162912.00   442892.60   2397329.00
  Top Width (ft)          47389.64    Top Width (ft)          18743.62     411.21   28234.81
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.32       5.72       2.07
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.04     188.36      40.99
  Conv. Total (cfs)       454546100.0    Conv. (cfs)            293232900.0   25154540.0   136158800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18766.10     412.61   28281.50
  Min Ch El (ft)            564.98    Shear (lb/sq ft)            1.61       3.63       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.32      20.77       1.64
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19102.05     969.32   13970.08
  C & E Loss (ft)             0.00    Cum SA (acres)            230.17       5.14     349.87


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266827.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.88  763.67 1415.66     760 1925.76     760  2323.6  762.48
 2406.32  762.48 2544.99     770  2754.5     770 2844.33   764.9 3151.56   742.9
 3683.32  724.39 3942.17  716.73 4550.52  702.07 4654.02  701.09  4786.2  701.03
 5578.87  689.84 5777.28  690.14 6022.79  683.16 6061.31  682.48  6738.1  682.48
 6985.92  671.37 7240.91  654.59 7341.46  652.48 7437.15  652.48 7562.15  655.59
    7837  686.99 7898.36  692.48 8081.93  677.45 8138.16  677.45  8177.7  676.88
 8310.39  683.68 8390.96  688.98 8520.89  699.22 8759.33  709.85 9150.39  714.96
 9387.85  714.96 9410.25  713.95 9553.46  706.06 9666.07  704.9610532.15  703.18
10869.67  682.8911179.62  658.6811208.55  650.5811365.18  647.4311611.98   659.7
11677.45  664.27 12119.4  703.5212460.04     71012970.69  712.4812979.37  712.59
13163.06  704.93 13392.4  691.0513458.24  690.6613581.05  701.8713767.51     720
14140.05     720 14197.5  718.06 14287.1  716.2314569.11  719.9714763.16  727.95
14837.03     73015269.11     73015810.99  722.5515997.25  711.1916014.44  707.81
16163.86  684.5816362.39  642.9916384.08  641.3616636.74  626.74 17077.7  617.87
17191.86  617.5219566.83  617.52 19787.4     62020163.09     62020568.99  612.55
20740.06  612.5520833.84  605.0421085.24  597.5221625.54   590.121632.95  589.59
21670.86     58021735.35  571.4721818.03  567.17 21900.7  564.9722054.05  575.74
22082.23     58022165.49  637.33 22227.2  640.8222433.46  663.9922496.57  668.48
22790.43   657.922868.79  659.0923741.22  707.4724033.74  719.2524475.71  734.56
24735.77  745.0424972.12  734.04 25505.9  706.7325543.88  704.1825829.91  698.24
25984.17  717.9126032.67  725.1126083.46  725.1126340.24  727.59 26725.2   723.8
26878.98  725.2927144.44   742.927660.65   747.927878.03   743.528271.96  731.71
28665.64  717.4828724.42  717.1129467.63   733.129537.42  735.0430610.99  735.04
30989.98  737.5232487.77  730.0732979.92  732.55 33754.3  732.5534703.46  725.04
34876.84  725.0435245.29  730.7935357.79  731.9935743.84  730.0736172.75  730.07
   36735     70036740.95  698.0436894.67  635.4637061.21  622.5537086.66     623
 37203.2  629.2337694.28  649.3738131.81  683.5338224.86  687.4538674.47  688.17
 38826.3  673.3838883.11  673.47 39275.9  704.1739774.96  718.8840084.99  727.52
 40576.7  730.5840965.29  737.9741196.95  739.4141290.79  739.1741760.63  735.04
42381.95     74042739.52  737.0243072.55  741.7643203.81  740.67 43275.5  738.06
43382.26  735.0743740.59  728.38 43913.9     73044002.51     73045049.25  723.19
45146.94  719.1245371.13  711.2445607.06  705.4345690.84  702.4845901.43  702.48
45929.46  703.5146106.16  708.8346389.24  706.9647054.68  688.0347195.59  684.96
47422.64  683.1747543.12  684.8448085.94  716.4448392.38  730.5949386.23  738.89
   49559  740.6450054.53  748.3950189.81  751.6651065.51     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521670.86     .1522082.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21670.8622082.23             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.16    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.01    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1556481.00   77486.66   1157063.00
  E.G. Slope (ft/ft)      0.000310    Area (sq ft)            1556481.00   77486.66   1157063.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5163790.00   443159.10   2396184.00
  Top Width (ft)          47396.25    Top Width (ft)          18744.22     411.37   28240.66
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.32       5.72       2.07
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           83.04     188.36      40.97
  Conv. Total (cfs)       454474100.0    Conv. (cfs)            293236300.0   25165690.0   136072200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18766.75     412.77   28287.46
  Min Ch El (ft)            564.97    Shear (lb/sq ft)            1.61       3.63       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.33      20.78       1.64
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18923.75     960.45   13837.52
  C & E Loss (ft)             0.00    Cum SA (acres)            228.03       5.10     346.64


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266822.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.91  763.68 1415.69     760  1925.8     760 2323.66  762.46
 2406.38  762.46 2545.05    770 2754.56     770 2844.39  764.88 3151.63  742.87
  3683.4  724.41 3942.26  716.75 4550.62  702.08 4654.12  701.08 4786.31     701
 5578.99  689.81 5777.41  690.08 6022.92  683.13 6061.45  682.46 6738.25  682.46
 6986.08  671.31 7241.07  654.55 7341.63  652.46 7437.31  652.46 7562.32  655.53
 7837.18  686.95 7898.54  692.46 8082.11  677.38 8138.34  677.38 8177.88  676.81
 8310.57  683.66 8391.15  688.98 8521.08  699.22 8759.53  709.85 9150.59  714.92
 9388.06  714.92 9410.46   713.9 9553.67     706 9666.29  704.9210532.38  703.15
10869.92   682.811179.87  658.59 11208.8  650.4811365.43  647.3611612.24  659.73
11677.71  664.3112119.67  703.5812460.32     71012970.98  712.4612979.66  712.57
13163.36  704.86 13392.7  690.9513458.54  690.5613581.35  701.8113767.82     720
14140.36     72014197.81  718.0814287.41  716.2814569.44  720.0414763.49  727.97
14837.36     73015269.45     73015811.34  722.6215997.61  711.37 16014.8  707.99
16164.22  684.7216362.75  643.0616384.45  641.4316637.11  626.7717078.08  617.89
17192.24  617.5419567.26  617.5419787.84     62020163.54     62020569.45  612.62
20740.52  612.62 20834.3  605.0821085.71  597.5421626.02   590.121633.43   589.6
21671.34     58021735.96  571.46 21818.8  567.1621901.64  564.9722054.74  575.76
22082.87     58022166.14  637.4522227.87  640.9122434.17  664.0122497.29  668.49
22791.21  657.8322869.59  659.0123742.19  707.3724034.76  719.1824476.82  734.58
24736.94  745.0824973.33  734.0525507.22  706.6925545.21  704.1425831.29  698.25
25985.58  718.0326034.09  725.2526084.89  725.2526341.72  727.7126726.75  723.86
26880.57  725.3427146.07  742.9627662.39  747.9127879.81  743.4828273.82  731.65
28667.58  717.4128726.36  717.0429469.73  733.1429539.53  735.0830613.31  735.08
30992.38  737.5432490.46  730.1632982.71  732.6233757.24  732.6234706.59  725.08
   34880  725.0835248.52  730.8635361.04  732.0735747.17  730.1636176.17  730.16
36738.53     70036744.47  698.0436898.23  635.41 37064.8  622.6237090.25  623.06
37206.82  629.29   37698  649.4638135.62   683.538228.68  687.3838678.38  688.09
38830.24  673.2538887.06  673.3439279.93  704.1339779.09  718.8740089.18  727.54
40580.98  730.6240969.66  737.9641201.36  739.4141295.22  739.1841765.15  735.08
42386.59     74042744.23  737.0543077.33  741.8443208.62  740.7643280.32  738.15
 43387.1  735.15 43745.5   728.443918.85     73044007.47     73045054.41  723.25
45152.13  719.1845376.36  711.2745612.34  705.4145696.13  702.4645906.77  702.46
 45934.8  703.4946111.53  708.8446394.67  706.9947060.24  688.0647201.19  684.97
47428.28  683.1447548.79   684.848091.71  716.39 48398.2  730.5849392.26  738.88
49565.05  740.6450060.68  748.38   50196  751.6551071.87     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521671.34     .1522082.87     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21671.3422082.87             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.16    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.00    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1556521.00   77516.16   1156781.00
  E.G. Slope (ft/ft)      0.000310    Area (sq ft)            1556521.00   77516.16   1156781.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5164547.00   443385.90   2395201.00
  Top Width (ft)          47402.82    Top Width (ft)          18744.93     411.53   28246.36
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.32       5.72       2.07
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.04     188.36      40.95
  Conv. Total (cfs)       454414400.0    Conv. (cfs)            293240700.0   25175260.0   135998500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18767.51     412.93   28293.26
  Min Ch El (ft)            564.97    Shear (lb/sq ft)            1.61       3.64       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.33      20.79       1.64
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18745.44     951.57   13704.99
  C & E Loss (ft)             0.00    Cum SA (acres)            225.88       5.05     343.40


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266817.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.94  763.69 1415.72     760 1925.85     760 2323.71  762.44
 2406.43  762.44 2545.11    770 2754.62     770 2844.45  764.87  3151.7  742.85
 3683.49  724.42 3942.35  716.77 4550.72  702.08 4654.22  701.07 4786.42  700.97
 5579.12  689.78 5777.54  690.02 6023.06   683.1 6061.58  682.44  6738.4  682.44
 6986.23  671.25 7241.24   654.5 7341.79  652.44 7437.48  652.44 7562.49  655.48
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 7837.35  686.91 7898.71  692.44 8082.29  677.31 8138.52  677.31 8178.07  676.75
 8310.76  683.64 8391.34  688.97 8521.27  699.23 8759.72  709.85  9150.8  714.87
 9388.26  714.87 9410.67  713.85 9553.88  705.94  9666.5  704.8710532.62  703.12
10870.16  682.7211180.12  658.5111209.05  650.3811365.69  647.29 11612.5  659.76
11677.97  664.3612119.94  703.6412460.59     71012971.27  712.4412979.95  712.55
13163.65  704.7813392.99  690.8413458.84  690.4613581.66  701.7613768.12     720
14140.68     72014198.13   718.114287.73  716.3314569.76   720.114763.82  727.99
14837.69     73015269.79     73015811.69  722.6915997.96  711.5416015.15  708.17
16164.58  684.8716363.12  643.1216384.81   641.516637.48   626.817078.46  617.91
17192.62  617.56 19567.7  617.5619788.28     62020163.98     620 20569.9  612.69
20740.98  612.6920834.76  605.1321086.18  597.56 21626.5   590.121633.91   589.6
21671.83     58021736.57  571.4421819.57  567.1521902.58  564.9722055.42  575.78
22083.51     580 22166.8  637.5722228.54  640.9922434.88  664.0222498.01   668.5
22791.99  657.7522870.38  658.9223743.15  707.2724035.78  719.1224477.93  734.59
 24738.1  745.1324974.54  734.0725508.53  706.6525546.53   704.125832.66  698.27
25986.99  718.1526035.51  725.3926086.31  725.39 26343.2  727.8326728.31  723.92
26882.15  725.3827147.71  743.0327664.12  747.93 27881.6  743.4628275.68   731.6
28669.52  717.3428728.31  716.9829471.83  733.1829541.64  735.1330615.63  735.13
30994.77  737.5632493.15  730.2632985.49  732.6933760.18  732.6934709.71  725.13
34883.16  725.1335251.76  730.92 35364.3  732.14 35750.5  730.2636179.59  730.26
36742.06     700   36748  698.0336901.79  635.36 37068.4  622.6937093.85  623.13
37210.44  629.3537701.71  649.5538139.42  683.46 38232.5  687.3138682.29  688.01
38834.18  673.1238891.02  673.2139283.96  704.0939783.21  718.8740093.37  727.56
40585.27  730.6540974.02  737.9641205.77  739.4141299.64  739.1941769.67  735.13
42391.23     74042748.94  737.0843082.11  741.9243213.42  740.8443285.14  738.24
43391.94  735.2343750.41  728.4143923.79     73044012.43     73045059.58  723.32
45157.32  719.2445381.59  711.3145617.61   705.445701.43  702.4445912.11  702.44
45940.14  703.4746116.91  708.8546400.11  707.01 47065.8  688.0847206.78  684.99
47433.91  683.1147554.45  684.7548097.47  716.3548404.03  730.5749398.28  738.88
49571.11  740.6350066.84  748.3850202.18  751.6351078.22     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521671.83     .1522083.51     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21671.8322083.51             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.16    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.00    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1556568.00   77544.93   1156441.00
  E.G. Slope (ft/ft)      0.000310    Area (sq ft)            1556568.00   77544.93   1156441.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5165466.00   443618.80   2394049.00
  Top Width (ft)          47409.39    Top Width (ft)          18745.51     411.68   28252.20
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.32       5.72       2.07
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.04     188.36      40.93
  Conv. Total (cfs)       454346500.0   Conv. (cfs)            293249000.0   25184720.0   135912700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18768.14     413.08   28299.22
  Min Ch El (ft)            564.97    Shear (lb/sq ft)            1.61       3.64       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.33      20.80       1.64
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18567.13     942.69   13572.49
  C & E Loss (ft)             0.00    Cum SA (acres)            223.73       5.00     340.17


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266812.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.96   763.7 1415.75     760 1925.89     760 2323.76  762.41
 2406.48  762.41 2545.16     770 2754.68     770 2844.52  764.85 3151.77  742.82
 3683.57  724.43 3942.43  716.79 4550.82  702.09 4654.33  701.06 4786.52  700.95
 5579.24  689.75 5777.67  689.96 6023.19  683.07 6061.72  682.41 6738.55  682.41
 6986.39  671.19  7241.4  654.46 7341.95  652.41 7437.64  652.41 7562.66  655.43
 7837.53  686.87 7898.89  692.41 8082.47  677.24  8138.7  677.24 8178.25  676.68
 8310.94  683.63 8391.52  688.97 8521.46  699.24 8759.92  709.86    9151  714.82
 9388.47  714.82 9410.88   713.8 9554.09  705.89 9666.72  704.8210532.85  703.09
 10870.4  682.6311180.37  658.43 11209.3  650.2811365.94  647.2211612.76  659.79
11678.23   664.412120.21   703.712460.87     71012971.56  712.4112980.24  712.52
13163.94   704.713393.29  690.7413459.14  690.3613581.96   701.713768.43     720
14140.99     72014198.45  718.1214288.05  716.3814570.08  720.1614764.15     728
14838.02     73015270.13     73015812.04  722.7615998.32  711.7216015.51  708.35
16164.94  685.0116363.48  643.1916385.18  641.5616637.85  626.8317078.84  617.93
   17193  617.5919568.13  617.5919788.72     62020164.43     62020570.36  612.76
20741.44  612.7620835.23  605.1821086.65  597.5921626.98   590.1 21634.4  589.61
21672.31     58021737.18  571.4321820.35  567.1421903.51  564.9722056.11   575.8
22084.15     58022167.46  637.69 22229.2  641.0822435.58  664.0322498.73  668.52
22792.77  657.6822871.17  658.8423744.12  707.1724036.81  719.0624479.04  734.61
24739.26  745.1824975.75  734.0825509.85  706.6125547.85  704.0625834.04  698.29
 25988.4  718.2726036.92  725.5326087.74  725.5326344.68  727.9426729.86  723.98
26883.74  725.4227149.35   743.127665.87  747.9527883.38  743.4328277.54  731.54
28671.46  717.2728730.26  716.9129473.92  733.2229543.75  735.1830617.96  735.18
30997.17  737.5932495.84  730.3532988.28  732.7633763.12  732.7634712.84  725.18
34886.32  725.1835254.99  730.9935367.55  732.2235753.84  730.3536183.01  730.35
36745.59     70036751.54  698.0236905.34  635.3137071.99  622.7637097.45   623.2
37214.06  629.4137705.43  649.6438143.22  683.4338236.32  687.24 38686.2  687.94
38838.12     67338894.96  673.0939287.99  704.0539787.34  718.8740097.56  727.59
40589.56  730.6840978.38  737.9541210.18  739.4141304.07   739.241774.19  735.18
42395.88     74042753.65   737.143086.89  741.9943218.22  740.9343289.95  738.32
43396.77  735.3143755.32  728.4343928.73     73044017.39     73045064.75  723.38
 45162.5   719.345386.82  711.3445622.89  705.3845706.72  702.4145917.44  702.41
45945.48  703.4546122.29  708.8646405.54  707.0447071.37  688.1147212.37     685
47439.55  683.0847560.11  684.7148103.24  716.3148409.86  730.57 49404.3  738.88
49577.17  740.6250072.99  748.3750208.36  751.6151084.57     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521672.31     .1522084.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21672.3122084.15             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.16    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
```

```
  W.S. Elev (ft)            759.00    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1556596.00   77574.77   1156102.00
  E.G. Slope (ft/ft)      0.000310    Area (sq ft)            1556596.00   77574.77   1156102.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5166333.00   443862.40   2392938.00
  Top Width (ft)          47416.10    Top Width (ft)          18746.22     411.84   28258.04
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.32       5.72       2.07
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.04     188.36      40.91
  Conv. Total (cfs)       454271600.0    Conv. (cfs)            293249900.0   25194390.0   135827300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18768.90     413.24   28305.17
  Min Ch El (ft)            564.97    Shear (lb/sq ft)            1.61       3.64       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.33      20.81       1.64
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18388.82     933.80   13440.04
  C & E Loss (ft)             0.00    Cum SA (acres)            221.58       4.95     336.93


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266807.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1242.99  763.72 1415.79     760 1925.93     760 2323.81  762.39
 2406.54  762.39 2545.22    770 2754.75     770 2844.58  764.83 3151.84  742.79
 3683.65  724.45 3942.52  716.81 4550.92   702.1 4654.43  701.05 4786.63  700.92
 5579.36  689.71  5777.8   689.9 6023.32  683.04 6061.85  682.39  6738.7  682.39
 6986.54  671.13 7241.56  654.42 7342.12  652.39 7437.81  652.39 7562.83  655.38
  7837.7  686.83 7899.06  692.39 8082.65  677.17 8138.88  677.17 8178.43  676.62
 8311.13  683.61 8391.71  688.97 8521.65  699.25 8760.11  709.86  9151.2  714.78
 9388.68  714.78 9411.08  713.75 9554.31  705.83 9666.93  704.7810533.08  703.06
10870.64  682.5511180.61  658.3511209.55  650.1811366.19  647.1511613.01  659.82
11678.49  664.4512120.48  703.7612461.15     71012971.84  712.3912980.53   712.5
13164.24  704.6213393.59  690.6313459.44  690.2613582.26  701.6413768.74     720
 14141.3     72014198.76  718.1314288.37  716.4314570.41  720.2214764.48  728.02
14838.35     73015270.47     73015812.39  722.8315998.67   711.916015.87  708.53
 16165.3  685.1616363.85  643.2516385.54  641.6316638.22  626.8617079.22  617.95
17193.38  617.6119568.57  617.6119789.16     62020164.88     62020570.82  612.83
 20741.9  612.8320835.69  605.2221087.12  597.6121627.46   590.121634.88  589.61
21672.79     58021737.79  571.4221821.12  567.1321904.45  564.9722056.79  575.82
22084.79     58022168.11  637.8122229.87  641.1722436.29  664.0422499.45  668.53
22793.54  657.6122871.97  658.7523745.09  707.0724037.83  718.9924480.15  734.62
24740.42  745.2224976.96  734.0925511.16  706.5725549.17  704.0225835.42   698.3
25989.81  718.3926038.34  725.6726089.17  725.6726346.16  728.0626731.42  724.04
26885.32  725.4727150.98  743.16 27667.6  747.9727885.16  743.41 28279.4  731.48
28673.39   717.228732.21  716.8429476.02  733.2629545.86  735.2230620.28  735.22
30999.56  737.6132498.53  730.4432991.07  732.8333766.06  732.8334715.97  725.22
34889.48  725.2235258.23  731.0535370.81  732.2935757.17  730.4436186.42  730.44
36749.12     70036755.06  698.0236908.91  635.2637075.58  622.8337101.04  623.26
37217.68  629.4737709.15  649.7438147.03   683.438240.15  687.1738690.11  687.86
38842.06  672.8738898.92  672.9639292.02  704.0139791.47  718.8640101.75  727.61
40593.84  730.7240982.74  737.9541214.59  739.41 41308.5   739.241778.71  735.22
42400.52     74042758.36  737.1343091.67  742.0743223.03  741.0243294.77  738.41
43401.61  735.3843760.23  728.4443933.68     73044022.36     73045069.91  723.45
45167.69  719.3645392.05  711.3845628.17  705.3745712.01  702.3945922.78  702.39
45950.83  703.4346127.66  708.8746410.97  707.0747076.93  688.1347217.96  685.02
47445.18  683.0547565.76  684.6648109.01  716.2748415.68  730.5649410.32  738.87
49583.22  740.6250079.15  748.3750214.54   751.651090.93     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521672.79     .1522084.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21672.7922084.79             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.16    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.00    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1556635.00   77604.62   1155820.00
  E.G. Slope (ft/ft)      0.000310    Area (sq ft)            1556635.00   77604.62   1155820.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5167089.00   444091.50   2391953.00
  Top Width (ft)          47422.66    Top Width (ft)          18746.93     412.00   28263.74
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.32       5.72       2.07
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.03     188.36      40.89
  Conv. Total (cfs)       454211600.0    Conv. (cfs)            293254100.0   25204070.0   135753400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18769.66     413.40   28310.97
  Min Ch El (ft)            564.97    Shear (lb/sq ft)            1.61       3.64       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.34      20.82       1.64
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18210.50     924.92   13307.61
  C & E Loss (ft)             0.00    Cum SA (acres)            219.44       4.91     333.69


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266802.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.02  763.73 1415.82     760 1925.98     760 2323.86  762.37
 2406.59  762.37 2545.28    770 2754.81     770 2844.64  764.82 3151.91  742.77
 3683.73  724.46 3942.61  716.83 4551.02   702.1 4654.54  701.04 4786.74  700.89
 5579.49  689.68 5777.93  689.83 6023.46  683.01 6061.99  682.37 6738.85  682.37
  6986.7  671.08 7241.72  654.37 7342.28  652.37 7437.97  652.37    7563  655.32
 7837.88  686.79 7899.24  692.37 8082.83   677.1 8139.06   677.1 8178.61  676.55
 8311.31  683.59  8391.9  688.96 8521.84  699.25  8760.3  709.86 9151.41  714.73
 9388.89  714.73 9411.29   713.7 9554.52  705.77 9667.15  704.7310533.32  703.03
10870.88  682.4711180.86  658.27 11209.8  650.0811366.45  647.0811613.27  659.85
11678.75  664.4912120.75  703.8212461.43     71012972.13  712.3712980.82  712.47
13164.53  704.5413393.89  690.5313459.74  690.1613582.56  701.5913769.04     720
14141.62     72014199.08  718.1514288.69  716.4814570.73  720.2814764.81  728.04
14838.68     73015270.81     73015812.75   722.915999.03  712.0816016.22  708.71
16165.66   685.316364.21  643.32 16385.9   641.716638.59  626.89 17079.6  617.97
17193.77  617.63   19569  617.63 19789.6     62020165.33     62020571.28   612.9
20742.37   612.920836.16  605.2721087.59  597.6321627.94   590.121635.36  589.61
21673.27     580 21738.4   571.421821.89  567.1221905.39  564.9722057.48  575.83
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22085.43     58022168.77  637.9322230.54  641.25   22437  664.0622500.18  668.55
22794.32  657.5322872.76  658.6623746.05  706.9624038.86  718.9324481.26  734.63
24741.59  745.2724978.17   734.125512.48  706.5225550.49  703.98 25836.8  698.32
25991.22   718.526039.76  725.81 26090.6  725.8126347.64  728.1826732.97  724.09
26886.91  725.5127152.62  743.2327669.34  747.9927886.94  743.3928281.26  731.42
28675.33  717.1228734.16  716.7829478.11   733.329547.97  735.27 30622.6  735.27
31001.96  737.6332501.22  730.5432993.86   732.9   33769   732.9 34719.1  725.27
34892.64  725.2735261.46  731.1235374.07  732.37 35760.5  730.5436189.84  730.54
36752.64     70036758.59  698.0136912.46   635.237079.18   622.937104.64  623.33
 37221.3  629.5337712.87  649.8338150.83  683.3638243.97   687.138694.02  687.78
   38846  672.7438902.87  672.8339296.05  703.97 39795.6  718.8640105.94  727.63
40598.13  730.7540987.11  737.9441218.99  739.4141312.93  739.2141783.23  735.27
42405.16     74042763.08  737.1643096.45  742.1543227.83  741.1143299.59   738.5
43406.45  735.4643765.14  728.4643938.62     73044027.32     73045075.08  723.51
45172.88  719.4245397.28  711.4145633.45  705.3645717.31  702.3745928.11  702.37
45956.17  703.4146133.04  708.89 46416.4   707.147082.49  688.1647223.55  685.03
47450.82  683.0247571.42  684.6248114.77  716.2348421.51  730.5649416.35  738.87
49589.28  740.61 50085.3  748.3650220.72  751.5851097.28     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521673.27     .1522085.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21673.2722085.43             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.16    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.00    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1556686.00   77636.20   1155487.00
  E.G. Slope (ft/ft)      0.000311    Area (sq ft)            1556686.00   77636.20   1155487.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5167986.00   444339.90   2390807.00
  Top Width (ft)          47429.24    Top Width (ft)          18747.50     412.16   28269.58
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.32       5.72       2.07
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.03     188.36      40.87
  Conv. Total (cfs)       454147600.0    Conv. (cfs)            293263700.0   25214620.0   135669300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18770.28     413.56   28316.91
  Min Ch El (ft)            564.97    Shear (lb/sq ft)            1.61       3.64       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.34      20.83       1.64
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18032.18     916.02   13175.23
  C & E Loss (ft)             0.00    Cum SA (acres)            217.29       4.86     330.45


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266797.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.05  763.74 1415.85     760 1926.02     760 2323.92  762.34
 2406.64  762.34 2545.33    770 2754.87     770 2844.71   764.8 3151.98  742.74
 3683.81  724.47  3942.7  716.86 4551.13  702.11 4654.64  701.03 4786.84  700.86
 5579.61  689.65 5778.06  689.77 6023.59  682.98 6062.12  682.34    6739  682.34
 6986.85  671.02 7241.88  654.33 7342.44  652.34 7438.14  652.34 7563.17  655.27
 7838.05  686.75 7899.42  692.34 8083.01  677.03 8139.24  677.03 8178.79  676.49
  8311.5  683.57 8392.08  688.96 8522.03  699.26  8760.5  709.86 9151.61  714.68
  9389.1  714.68  9411.5  713.65 9554.73  705.71 9667.37  704.6810533.55     703
10871.13  682.3811181.11  658.1811210.05  649.98 11366.7  647.0111613.53  659.88
11679.01  664.5412121.02  703.8812461.71     71012972.42  712.3412981.11  712.45
13164.82  704.4713394.19  690.4213460.04  690.0613582.87  701.5313769.35     720
14141.93     72014199.39  718.17   14289  716.5314571.06  720.3514765.13  728.06
14839.01     73015271.15     730 15813.1  722.9715999.39  712.2516016.58  708.89
16166.02  685.4516364.57  643.3916386.27  641.7616638.96  626.9317079.98  617.99
17194.15  617.6619569.44  617.6619790.04     62020165.78     62020571.73  612.97
20742.83  612.9720836.62  605.3221088.06  597.6621628.43   590.121635.84  589.62
21673.76     58021739.01  571.3921822.67   567.121906.32  564.9622058.16  575.85
22086.06     58022169.42  638.0522231.21  641.3422437.71  664.07 22500.9  668.56
 22795.1  657.4622873.56  658.5823747.02  706.8624039.88  718.8624482.37  734.65
24742.75  745.3224979.38  734.1225513.79  706.4825551.82  703.9425838.18  698.34
25992.62  718.6226041.18  725.9526092.03  725.9526349.12  728.2926734.53  724.15
26888.49  725.5627154.26   743.327671.08  748.0127888.72  743.3728283.12  731.37
28677.27  717.0528736.11  716.7129480.21  733.3429550.08  735.3230624.92  735.32
31004.35  737.6632503.91  730.6332996.64  732.9733771.94  732.9734722.23  725.32
34895.81  725.32 35264.7  731.1835377.32  732.4535763.84  730.6336193.26  730.63
36756.17     70036762.12  698.0136916.02  635.1537082.77  622.9737108.24  623.39
37224.92  629.5937716.58  649.9238154.63  683.3338247.79  687.0338697.93  687.71
38849.94  672.6238906.82   672.739300.08  703.9339799.73  718.8540110.12  727.66
40602.41  730.7840991.47  737.93 41223.4   739.441317.35  739.2241787.74  735.32
 42409.8     74042767.79  737.1943101.22  742.2343232.63   741.243304.41  738.59
43411.29  735.5443770.05  728.4743943.56     73044032.28     73045080.25  723.57
45178.06  719.4845402.51  711.4545638.72  705.34 45722.6  702.3445933.45  702.34
45961.51  703.3946138.41   708.946421.83  707.1347088.05  688.1847229.14  685.05
47456.46  682.9947577.08  684.5748120.54  716.1848427.34  730.5549422.37  738.87
49595.34  740.6150091.46  748.36 50226.9  751.5751103.63     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521673.76     .1522086.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21673.7622086.06             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.16    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.00    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1556710.00   77664.41   1155151.00
  E.G. Slope (ft/ft)      0.000311    Area (sq ft)            1556710.00   77664.41   1155151.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5168833.00   444581.50   2389719.00
  Top Width (ft)          47435.79    Top Width (ft)          18748.21     412.30   28275.28
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.32       5.72       2.07
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           83.03     188.37      40.85
  Conv. Total (cfs)       454072500.0    Conv. (cfs)            293263300.0   25224150.0   135585100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18771.04     413.70   28322.73
  Min Ch El (ft)            564.96    Shear (lb/sq ft)            1.61       3.64       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.34      20.84       1.64
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17853.85     907.13   13042.88
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  C & E Loss (ft)             0.00    Cum SA (acres)            215.14       4.81     327.22


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266792.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.08  763.75 1415.88     760 1926.06     760 2323.97  762.32
  2406.7  762.32 2545.39     770 2754.93     770 2844.77  764.79 3152.05  742.71
  3683.9  724.49 3942.79  716.88 4551.23  702.12 4654.74  701.02 4786.95  700.83
 5579.74  689.62 5778.19  689.71 6023.73  682.95 6062.26  682.32 6739.15  682.32
 6987.01  670.96 7242.04  654.29 7342.61  652.32 7438.31  652.32 7563.33  655.22
 7838.23  686.71 7899.59  692.32 8083.19  676.96 8139.42  676.96 8178.98  676.42
 8311.68  683.55 8392.27  688.96 8522.22  699.27  8760.7  709.86 9151.82  714.64
 9389.31  714.64 9411.71   713.6 9554.94  705.66 9667.58  704.6410533.79  702.97
10871.37   682.311181.36   658.1 11210.3  649.8811366.95  646.9411613.79  659.91
11679.27  664.5812121.29  703.9412461.98     71012972.71  712.3212981.39  712.42
13165.12  704.3913394.48  690.3213460.34  689.9613583.17  701.4813769.66     720
14142.25     72014199.71  718.1914289.32  716.5814571.38  720.4114765.46  728.08
14839.34     73015271.49     73015813.45  723.0415999.74  712.4316016.94  709.07
16166.38   685.616364.94  643.4516386.63  641.8316639.33  626.9617080.36  618.01
17194.53  617.6819569.88  617.6819790.49     62020166.23     62020572.19  613.04
20743.29  613.0420837.08  605.3621088.53  597.6821628.91   590.121636.32  589.62
21674.24     58021739.62  571.3821823.44  567.0921907.26  564.9622058.85  575.87
22086.71     58022170.08  638.1722231.88  641.4322438.42  664.0822501.62  668.58
22795.88  657.3822874.35  658.4923747.99  706.76 24040.9   718.824483.48  734.66
24743.91  745.3624980.59  734.1325515.11  706.4425553.14   703.925839.55  698.35
25994.03  718.74 26042.6  726.0926093.46  726.0926350.59  728.4126736.08  724.21
26890.08   725.6 27155.9  743.3727672.82  748.0327890.51  743.3528284.98  731.31
28679.21  716.9828738.06  716.64 29482.3  733.3829552.19  735.3630627.24  735.36
31006.75  737.6832506.61  730.7332999.43  733.0433774.88  733.0434725.36  725.36
34898.97  725.3635267.93  731.2535380.58  732.5235767.17  730.7336196.68  730.73
 36759.7     70036765.65     69836919.59   635.137086.36  623.0437111.84  623.46
37228.54  629.65 37720.3  650.0138158.44   683.338251.61  686.9638701.84  687.63
38853.88  672.4938910.77  672.5839304.11  703.8939803.85  718.8540114.31  727.68
 40606.7  730.8140995.83  737.9341227.81   739.441321.78  739.2341792.26  735.36
42414.44     740 42772.5  737.22   43106  742.3143237.44  741.2843309.23  738.67
43416.13  735.6243774.96  728.4943948.51     73044037.24     73045085.42  723.64
45183.25  719.5445407.74  711.48   45644  705.3345727.89  702.3245938.79  702.32
45966.85  703.3746143.79  708.9146427.26  707.1647093.62  688.2147234.73  685.06
47462.09  682.9647582.74  684.52 48126.3  716.1448433.16  730.5549428.39  738.86
49601.39   740.650097.61  748.3550233.08  751.5551109.99     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521674.24    .1522086.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21674.2422086.71             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.15    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.99    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1556742.00   77696.13   1154837.00
  E.G. Slope (ft/ft)      0.000311    Area (sq ft)            1556742.00   77696.13   1154837.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5169650.00   444828.40   2388655.00
  Top Width (ft)          47442.41    Top Width (ft)          18748.82     412.47   28281.11
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.32       5.73       2.07
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.03     188.37      40.83
  Conv. Total (cfs)       454005600.0    Conv. (cfs)            293266400.0   25234440.0   135504800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18771.71     413.87   28328.67
  Min Ch El (ft)            564.96    Shear (lb/sq ft)            1.61       3.64       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.34      20.85       1.64
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17675.52     898.23   12910.57
  C & E Loss (ft)             0.00    Cum SA (acres)            212.99       4.77     323.98


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266787.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1243.1  763.76 1415.91     760  1926.1     760 2324.02   762.3
 2406.75   762.3 2545.45     770 2754.99     770 2844.83  764.77 3152.12  742.68
 3683.98   724.5 3942.87   716.9 4551.33  702.12 4654.85  701.01 4787.06  700.81
 5579.86  689.59 5778.31  689.65 6023.86  682.92 6062.39   682.3  6739.3   682.3
 6987.17   670.9  7242.2  654.24 7342.77   652.3 7438.47   652.3  7563.5  655.17
  7838.4  686.67 7899.77   692.3 8083.37  676.89  8139.6  676.89 8179.16  676.36
 8311.87  683.53 8392.46  688.95 8522.41  699.28 8760.89  709.86 9152.02  714.59
 9389.52  714.59 9411.92  713.55 9555.16   705.6  9667.8  704.5910534.02  702.94
10871.61  682.2111181.61  658.0211210.55  649.7811367.21  646.8711614.05  659.94
11679.53  664.6312121.56  704.0112462.26     710   12973   712.312981.68   712.4
13165.41  704.3113394.78  690.2213460.64  689.8513583.47  701.4213769.96     720
14142.56     72014200.03  718.2114289.64  716.6314571.71  720.4714765.79   728.1
14839.67     73015271.83     730 15813.8  723.11 16000.1  712.6116017.29  709.25
16166.74  685.74 16365.3  643.52   16387   641.9 16639.7  626.9917080.74  618.03
17194.92   617.719570.31   617.719790.93     62020166.68     62020572.65  613.11
20743.75  613.1120837.55  605.41   21089   597.721629.39   590.1 21636.8  589.62
21674.72     58021740.23  571.3621824.21  567.08 21908.2  564.9622059.53  575.89
22087.34     58022170.73  638.2922232.54  641.5122439.13  664.0922502.34  668.59
22796.66  657.3122875.15  658.4123748.95  706.6624041.93  718.73 24484.6  734.68
24745.07  745.4124981.79  734.1425516.42   706.425554.46  703.8625840.93  698.37
25995.44  718.8626044.02  726.2326094.88  726.2326352.07  728.5326737.63  724.27
26891.66  725.6527157.53  743.4327674.56  748.0527892.29  743.3328286.84  731.25
28681.14  716.9128740.01  716.57 29484.4  733.43 29554.3  735.4130629.56  735.41
31009.14   737.7 32509.3  730.8233002.22  733.1133777.82  733.1134728.48  725.41
34902.13  725.4135271.16  731.3135383.84   732.6 35770.5  730.8236200.09  730.82
36763.23     70036769.18  697.9936923.14  635.0537089.95  623.1137115.43  623.53
37232.16  629.7137724.02   650.138162.24  683.2638255.43  686.8938705.75  687.55
38857.82  672.3738914.72  672.4539308.14  703.8539807.98  718.85 40118.5   727.7
40610.98  730.8541000.19  737.9241232.21   739.4 41326.2  739.2441796.78  735.41
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42419.08     74042777.21  737.2443110.78  742.3843242.24  741.3743314.04  738.76
43420.97   735.743779.87   728.543953.45     730 44042.2     73045090.59   723.7
45188.43   719.645412.98  711.5245649.28  705.3145733.19   702.345944.12   702.3
45972.19  703.3546149.16  708.92 46432.7  707.1947099.18  688.2347240.32  685.08
47467.73  682.93 47588.4  684.4848132.07   716.148438.99  730.5449434.41  738.86
49607.45  740.5950103.77  748.3550239.26  751.5451116.34     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521674.72     .1522087.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21674.7222087.34             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.15    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.99    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1556788.00   77724.63   1154518.00
  E.G. Slope (ft/ft)      0.000311    Area (sq ft)            1556788.00   77724.63   1154518.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5170506.00   445057.80   2387569.00
  Top Width (ft)          47448.97    Top Width (ft)          18749.53     412.62   28286.82
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.32       5.73       2.07
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.03     188.37      40.81
  Conv. Total (cfs)       453940400.0    Conv. (cfs)            293272800.0   25243820.0   135423700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18772.47     414.02   28334.48
  Min Ch El (ft)            564.96    Shear (lb/sq ft)            1.61       3.64       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.34      20.86       1.64
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17497.19     889.33   12778.30
  C & E Loss (ft)             0.00    Cum SA (acres)            210.85       4.72     320.74


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266782.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.13  763.77 1415.94     760 1926.15     760 2324.07  762.27
  2406.8  762.27  2545.5     770 2755.05     770  2844.9  764.76 3152.19  742.66
 3684.06  724.52 3942.96  716.92 4551.43  702.13 4654.95     701 4787.16  700.78
 5579.98  689.56 5778.44  689.59 6023.99  682.89 6062.53  682.27 6739.45  682.27
 6987.32  670.84 7242.36   654.2 7342.93  652.27 7438.64  652.27 7563.67  655.11
 7838.57  686.63 7899.94  692.27 8083.55  676.82 8139.79  676.82 8179.34  676.29
 8312.05  683.51 8392.64  688.95  8522.6  699.28 8761.08  709.86 9152.22  714.54
 9389.73  714.54 9412.13   713.5 9555.37  705.54 9668.01  704.5410534.26  702.91
10871.85  682.1311181.86  657.94 11210.8  649.6811367.46   646.811614.31  659.97
11679.79  664.6712121.83  704.0712462.54     71012973.29  712.2712981.97  712.37
 13165.7  704.2313395.08  690.1113460.94  689.7513583.77  701.3613770.27     720
14142.88     72014200.34  718.2214289.96  716.6814572.03  720.5314766.12  728.12
   14840     73015272.17     73015814.15  723.1816000.46  712.7916017.65  709.43
 16167.1  685.8916365.67  643.5816387.36  641.9616640.07  627.0217081.12  618.05
 17195.3  617.7319570.75  617.7319791.37     62020167.13     62020573.11  613.18
20744.21  613.1820838.01  605.4621089.47  597.7321629.87   590.121637.29  589.63
 21675.2     58021740.84  571.3521824.99  567.0721909.13  564.9622060.22   575.9
22087.98     58022171.39  638.4122233.21   641.622439.83  664.1122503.06  668.61
22797.44  657.2322875.94  658.3223749.92  706.5624042.95  718.6724485.71  734.69
24746.24  745.4624983.01  734.1625517.73  706.3625555.78  703.8225842.31  698.39
25996.85  718.9826045.43  726.3726096.31  726.3726353.55  728.6526739.19  724.33
26893.25  725.6927159.17   743.5 27676.3  748.0727894.07  743.31 28288.7   731.2
28683.08  716.8428741.96  716.5129486.49  733.4729556.41  735.4630631.88  735.46
31011.54  737.7332511.99  730.9133005.01  733.1833780.76  733.1834731.61  725.46
34905.29  725.46 35274.4  731.38 35387.1  732.6735773.84  730.9136203.51  730.91
36766.76     70036772.71  697.99 36926.7     63537093.55  623.1837119.03  623.59
37235.79  629.7737727.73  650.1938166.04  683.2338259.26  686.8238709.66  687.47
38861.76  672.2438918.68  672.3239312.16  703.8139812.11  718.8440122.69  727.73
40615.27  730.8841004.55  737.9141236.62   739.441330.63  739.24 41801.3  735.46
42423.72     74042781.93  737.2743115.55  742.4643247.04  741.4643318.86  738.85
43425.81  735.7743784.78  728.5243958.39     73044047.16     73045095.75  723.77
45193.62  719.6545418.21  711.5545654.56   705.345738.48  702.2745949.45  702.27
45977.53  703.3346154.54  708.9346438.12  707.2247104.74  688.2647245.91  685.09
47473.36   682.947594.06  684.4348137.84  716.0648444.82  730.5449440.44  738.86
 49613.5  740.5950109.92  748.3450245.44  751.52 51122.7     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21675.2     .1522087.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21675.222087.98             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.15    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.99    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1556816.00   77755.79   1154172.00
  E.G. Slope (ft/ft)      0.000311    Area (sq ft)            1556816.00   77755.79   1154172.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5171391.00   445311.10   2386431.00
  Top Width (ft)          47455.53    Top Width (ft)          18750.09     412.78   28292.66
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.32       5.73       2.07
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.03     188.37      40.79
  Conv. Total (cfs)       453866800.0    Conv. (cfs)            293275500.0   25254100.0   135337200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18773.09     414.18   28340.43
  Min Ch El (ft)            564.96    Shear (lb/sq ft)            1.61       3.64       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.35      20.87       1.63
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17318.85     880.42   12646.06
  C & E Loss (ft)             0.00    Cum SA (acres)            208.70       4.67     317.50


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266777.*

INPUT
Description:
Station Elevation Data    num=     174
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.16  763.78 1415.97     760 1926.19     760 2324.12  762.25
 2406.86  762.25 2545.56     770 2755.11     770 2844.96  764.74 3152.26  742.63
 3684.14  724.53 3943.05  716.94 4551.53  702.14 4655.05  700.99 4787.27  700.75
 5580.11  689.52 5778.57  689.53 6024.13  682.86 6062.66  682.25  6739.6  682.25
 6987.48  670.79 7242.52  654.16  7343.1  652.25  7438.8  652.25 7563.84  655.06
 7838.75  686.59 7900.12  692.25 8083.73  676.74 8139.97  676.74 8179.52  676.23
 8312.24  683.49 8392.83  688.95 8522.79  699.29 8761.28  709.87 9152.43   714.5
 9389.94   714.5 9412.34  713.45 9555.58  705.49 9668.23   704.510534.49  702.88
10872.09  682.0411182.11  657.8611211.05  649.5811367.71  646.7311614.57     660
11680.05  664.71 12122.1  704.1312462.81     71012973.58  712.2512982.26  712.35
13165.99  704.1513395.38  690.0113461.24  689.6513584.08  701.3113770.58     720
14143.19     72014200.66  718.2414290.28  716.7314572.36   720.614766.45  728.14
14840.33     73015272.51     73015814.51  723.2616000.81  712.96   16018  709.61
16167.46  686.0316366.03  643.6516387.73  642.0316640.45  627.05 17081.5  618.07
17195.68  617.7519571.18  617.7519791.81     62020167.58     62020573.57  613.26
20744.68  613.2620838.47   605.521089.94  597.7521630.35   590.121637.77  589.63
21675.69     58021741.45  571.3321825.76  567.0621910.07  564.96 22060.9  575.92
22088.62     58022172.05  638.5322233.88  641.6922440.54  664.1222503.78  668.62
22798.22  657.1622876.73  658.2423750.89  706.4624043.98   718.624486.82  734.71
 24747.4   745.524984.21  734.1725519.05  706.32 25557.1  703.7825843.69   698.4
25998.26  719.0926046.85  726.5126097.74  726.5126355.03  728.7626740.74  724.39
26894.83  725.7427160.81  743.5727678.04  748.0927895.85  743.2928290.56  731.14
28685.02  716.77 28743.9  716.4429488.59  733.5129558.52   735.5 30634.2   735.5
31013.94  737.7532514.68  731.01 33007.8  733.26 33783.7  733.2634734.74   725.5
34908.46   725.535277.63  731.4435390.35  732.7535777.17  731.0136206.93  731.01
36770.29     70036776.24  697.9836930.26  634.9537097.14  623.2637122.63  623.66
37239.41  629.8337731.45  650.2838169.85   683.238263.08  686.7438713.58   687.4
 38865.7  672.1138922.63   672.2 39316.2  703.7739816.23  718.8440126.88  727.75
40619.56  730.9141008.92  737.9141241.03   739.441335.06  739.2541805.82   735.5
42428.37     74042786.64   737.343120.33  742.5443251.85  741.5543323.68  738.94
43430.65  735.8543789.69  728.5343963.34     73044052.12     73045100.92  723.83
45198.81  719.7145423.44  711.5945659.84  705.2845743.78  702.2545954.79  702.25
45982.88  703.3146159.91  708.9446443.56  707.24 47110.3  688.28 47251.5  685.11
   47479  682.8747599.72  684.3948143.61  716.0148450.64  730.5349446.46  738.85
49619.56  740.5850116.07  748.3450251.62   751.551129.05     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521675.69     .1522088.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21675.6922088.62              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.15    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            758.99    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)        1556849.00   77784.30   1153859.00
  E.G. Slope (ft/ft)      0.000311    Area (sq ft)             1556849.00   77784.30   1153859.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5172212.00   445544.10   2385377.00
  Top Width (ft)          47462.25    Top Width (ft)           18750.81     412.93   28298.51
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)             3.32       5.73       2.07
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)            83.03     188.37      40.77
  Conv. Total (cfs)       453798100.0    Conv. (cfs)            293277700.0   25263490.0   135257000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         18773.86     414.33   28346.39
  Min Ch El (ft)            564.96    Shear (lb/sq ft)             1.61       3.65       0.79
  Alpha                       1.24    Stream Power (lb/ft s)       5.35      20.88       1.63
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     17140.51     871.51   12513.87
  C & E Loss (ft)             0.00    Cum SA (acres)             206.55       4.62     314.25


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266772.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.19  763.8 1416.01     760 1926.23     760 2324.17  762.22
 2406.91  762.22 2545.62     770 2755.17     770 2845.02  764.72 3152.33   742.6
 3684.22  724.54 3943.14  716.96 4551.63  702.14 4655.16  700.98 4787.37  700.72
 5580.23  689.49  5778.7  689.46 6024.26  682.83  6062.8  682.22 6739.75  682.22
 6987.63  670.73 7242.69  654.11 7343.26  652.22 7438.97  652.22 7564.01  655.01
 7838.92  686.55  7900.3  692.22 8083.91  676.67 8140.15  676.67 8179.71  676.16
 8312.42  683.47 8393.02  688.94 8522.98   699.3 8761.47  709.87 9152.63  714.45
 9390.15  714.45 9412.55   713.4  9555.8  705.43 9668.44  704.4510534.73  702.85
10872.34  681.9611182.36  657.7811211.29  649.4811367.96  646.6611614.82  660.03
11680.31  664.7612122.37  704.1912463.09     71012973.87  712.2212982.55  712.33
13166.29  704.0813395.68   689.913461.54  689.5513584.38  701.2513770.88     720
14143.51     72014200.97  718.2614290.59  716.7814572.68  720.6614766.78  728.16
14840.66     73015272.85     73015814.86  723.3316001.17  713.1416018.36  709.79
16167.82  686.18 16366.4  643.7216388.09   642.116640.81  627.0817081.88  618.09
17196.06  617.7819571.62  617.7819792.25     62020168.03     62020574.02  613.33
20745.14  613.3320838.94  605.5521090.41  597.7821630.83  590.1121638.25  589.64
21676.17     58021742.06  571.3221826.53  567.0521911.01  564.9622061.59  575.94
22089.26     580 22172.7  638.6522234.55  641.7722441.25  664.13 22504.5  668.63
   22799  657.0822877.53  658.1523751.85  706.36   24045  718.5424487.93  734.72
24748.56  745.5524985.42  734.1825520.36  706.2825558.43  703.7425845.07  698.42
25999.67  719.2126048.27  726.6526099.17  726.6526356.51  728.88 26742.3  724.45
26896.42  725.7827162.45  743.6327679.78  748.1127897.63  743.2728292.42  731.08
28686.95   716.728745.85  716.3729490.68  733.5529560.62  735.5530636.52  735.55
31016.33  737.7832517.37   731.133010.59  733.3333786.64  733.3334737.87  725.55
34911.62  725.5535280.87  731.5135393.61  732.82 35780.5   731.136210.34   731.1
36773.81     70036779.77  697.9736933.82   634.937100.73  623.3337126.23  623.72
37243.02  629.8937735.17  650.3838173.65  683.16 38266.9  686.6738717.49  687.32
38869.64  671.9938926.58  672.0739320.22  703.7339820.36  718.8440131.07  727.78
40623.84  730.9541013.28   737.941245.44  739.3941339.48  739.2641810.34  735.55
42433.01     74042791.35  737.3343125.11  742.6243256.65  741.64 43328.5  739.02
43435.48  735.93 43794.6  728.5543968.28     73044057.08     73045106.09   723.9
   45204  719.7745428.67  711.6245665.11  705.2745749.07  702.2245960.12  702.22
45988.21  703.2946165.29  708.9546448.99  707.2747115.87  688.3147257.09  685.12
47484.63  682.8447605.38  684.3448149.37  715.9748456.47  730.5249452.48  738.85
49625.62  740.5850122.23  748.33 50257.8  751.49 51135.4     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521676.17     .1522089.26     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      21676.1722089.26             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.15    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.99    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1556881.00   77814.30   1153524.00
  E.G. Slope (ft/ft)      0.000311    Area (sq ft)            1556881.00   77814.30   1153524.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5173069.00   445786.80   2384277.00
  Top Width (ft)          47468.80    Top Width (ft)          18751.52     413.09   28304.19
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.32       5.73       2.07
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.03     188.37      40.75
  Conv. Total (cfs)       453726100.0    Conv. (cfs)            293279700.0   25273240.0   135173200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18774.63     414.49   28352.19
  Min Ch El (ft)            564.96    Shear (lb/sq ft)            1.61       3.65       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.35      20.89       1.63
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16962.16     862.60   12381.70
  C & E Loss (ft)             0.00    Cum SA (acres)            204.40       4.58     311.01


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266767.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.21  763.81 1416.04     760 1926.28     760 2324.23   762.2
 2406.96   762.2 2545.67     770 2755.24     770 2845.09  764.71 3152.41  742.57
 3684.31  724.56 3943.22  716.98 4551.73  702.15 4655.26  700.97 4787.48   700.7
 5580.36  689.46 5778.83   689.4  6024.4   682.8 6062.93   682.2  6739.9   682.2
 6987.79  670.67 7242.85  654.07 7343.42   652.2 7439.13   652.2 7564.18  654.95
  7839.1  686.51 7900.47   692.2 8084.09   676.6 8140.33   676.6 8179.89   676.1
 8312.61  683.45  8393.2  688.94 8523.17  699.31 8761.67  709.87 9152.83   714.4
 9390.35   714.4 9412.76  713.35 9556.01  705.37 9668.66   704.410534.96  702.82
10872.58  681.8711182.61  657.6911211.54  649.3811368.22  646.5911615.08  660.06
11680.57   664.812122.64  704.2512463.37     71012974.16   712.212982.84   712.3
13166.58     70413395.97   689.813461.84  689.4513584.68  701.1913771.19     720
14143.82     72014201.29  718.2814290.91  716.83   14573  720.7214767.11  728.18
14840.99     73015273.19    73015815.21   723.416001.52  713.3216018.72  709.97
16168.17  686.3216366.76  643.7816388.46  642.1616641.19  627.1117082.26  618.11
17196.45   617.819572.05   617.819792.69    62020168.47    62020574.48   613.4
 20745.6   613.4 20839.4   605.621090.88   597.821631.31  590.1121638.73  589.64
21676.65     58021742.67  571.31 21827.3  567.0421911.94  564.9522062.28  575.96
 22089.9     58022173.36  638.7622235.21  641.8622441.96  664.1422505.22  668.65
22799.78  657.0122878.32  658.0623752.82  706.2624046.03  718.4724489.04  734.73
24749.72   745.624986.63  734.1925521.68  706.2425559.75   703.725846.45  698.44
26001.08  719.3326049.69  726.79 26100.6  726.7926357.99    72926743.85   724.5
   26898  725.8227164.08   743.727681.52  748.1327899.42  743.2528294.28  731.03
28688.89  716.63 28747.8  716.3129492.78  733.5929562.73   735.630638.84   735.6
31018.73   737.832520.06  731.1933013.37   733.433789.58   733.434740.99   725.6
34914.78   725.6 35284.1  731.5735396.87   732.935783.83  731.1936213.76  731.19
36777.34     700 36783.3  697.9736937.38  634.8437104.32   623.437129.82  623.79
37246.64  629.9537738.89  650.4738177.46  683.1338270.72   686.6 38721.4  687.24
38873.59  671.8638930.53  671.9439324.25  703.6939824.49  718.8340135.26   727.8
40628.13  730.9841017.64  737.8941249.85  739.3941343.91  739.2741814.86   735.6
42437.65     74042796.06  737.3643129.89  742.6943261.46  741.7243333.32  739.11
43440.32  736.0143799.51  728.5643973.23     73044062.04    73045111.25  723.96
45209.18  719.83 45433.9  711.6645670.39  705.2645754.36   702.245965.46   702.2
45993.55  703.2746170.64  708.9646454.42   707.347121.43  688.3347262.68  685.14
47490.27  682.8147611.04   684.348155.14  715.93 48462.3  730.5249458.51  738.85
49631.68  740.5750128.38  748.3350263.98  751.4751141.75     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521676.65     .15 22089.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21676.65 22089.9             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.15    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.99    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1556927.00   77845.41   1153202.00
  E.G. Slope (ft/ft)      0.000311    Area (sq ft)            1556927.00   77845.41   1153202.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5173933.00   446031.60   2383169.00
  Top Width (ft)          47475.41    Top Width (ft)          18752.12     413.25   28310.04
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.32       5.73       2.07
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           83.03     188.37      40.73
  Conv. Total (cfs)       453662300.0    Conv. (cfs)            293287400.0   25283560.0   135091300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18775.27     414.65   28358.14
  Min Ch El (ft)            564.95    Shear (lb/sq ft)            1.61       3.65       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.35      20.90       1.63
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16783.81     853.69   12249.58
  C & E Loss (ft)             0.00    Cum SA (acres)            202.25       4.53     307.77


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266762.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.24  763.82 1416.07     760 1926.32     760 2324.28  762.18
 2407.02  762.18 2545.73     770  2755.3     770 2845.15  764.69 3152.48  742.55
 3684.39  724.57 3943.31     717 4551.83  702.16 4655.36  700.96 4787.59  700.67
 5580.48  689.43 5778.96  689.34 6024.53  682.77 6063.07  682.18 6740.05  682.18
 6987.94  670.61 7243.01  654.03 7343.59  652.18  7439.3  652.18 7564.34   654.9
 7839.27  686.47 7900.65  692.18 8084.27  676.53 8140.51  676.53 8180.07  676.03
 8312.79  683.43 8393.39  688.94 8523.36  699.31 8761.87  709.87 9153.04  714.36
 9390.56  714.36 9412.97   713.3 9556.22  705.31 9668.87  704.3610535.19  702.79
10872.82  681.7911182.85  657.6111211.79  649.2811368.47  646.5211615.34  660.09
11680.83  664.8512122.91  704.3112463.65     71012974.44  712.1812983.13  712.28
13166.87  703.9213396.27   689.713462.14  689.3513584.98  701.14 13771.5     720
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14144.14     72014201.61   718.314291.23  716.8814573.33  720.7814767.43   728.2
14841.32     73015273.53     73015815.56  723.4716001.88   713.516019.07  710.15
16168.54  686.4716367.12  643.8516388.82  642.2316641.56  627.1417082.64  618.13
17196.83  617.8219572.49  617.8219793.13     62020168.92     62020574.94  613.47
20746.06  613.4720839.87  605.6421091.35  597.8221631.79  590.1121639.21  589.64
21677.13     58021743.28  571.2921828.08  567.0321912.88  564.9522062.96  575.98
22090.54     58022174.01  638.8822235.88  641.9522442.67  664.1622505.94  668.66
22800.55  656.9322879.12  657.9823753.79  706.1524047.05  718.4124490.15  734.75
24750.89  745.6424987.84  734.2125522.99  706.1925561.07  703.6625847.82  698.45
26002.49  719.4526051.11  726.9326102.03  726.9326359.47  729.1126745.41  724.56
26899.59  725.8727165.72  743.7727683.26  748.15 27901.2  743.2328296.14  730.97
28690.83  716.5628749.75  716.2429494.88  733.6329564.84  735.6430641.16  735.64
31021.12  737.8232522.75  731.2933016.16  733.4733792.52  733.4734744.12  725.64
34917.94  725.6435287.34  731.6435400.12  732.9735787.16  731.2936217.18  731.29
36780.87     70036786.83  697.9636940.94  634.7937107.92  623.4737133.42  623.86
37250.27  630.0137742.61  650.5638181.26   683.138274.54  686.5338725.31  687.17
38877.52  671.7438934.48  671.8139328.28  703.6539828.62  718.8340139.45  727.82
40632.41  731.01   41022  737.8941254.26  739.3941348.34  739.2741819.38  735.64
42442.29     74042800.77  737.3943134.67  742.7743266.26  741.8143338.13   739.2
43445.16  736.0943804.42  728.5843978.17     730   44067     73045116.42  724.02
45214.37  719.8945439.13  711.6945675.67  705.2445759.66  702.18 45970.8  702.18
45998.89  703.2546176.04  708.9746459.85  707.33   47127  688.3647268.27  685.16
 47495.9  682.78 47616.7  684.25 48160.9  715.8948468.12  730.5149464.53  738.84
49637.73  740.5650134.54  748.3250270.16  751.4651148.11     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521677.13     .1522090.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21677.1322090.54             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.14    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            758.99    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1556959.00   77875.76   1152896.00
  E.G. Slope (ft/ft)      0.000311    Area (sq ft)            1556959.00   77875.76   1152896.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5174725.00   446272.50   2382136.00
  Top Width (ft)          47481.93    Top Width (ft)          18752.79     413.41   28315.73
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.32       5.73       2.07
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           83.03     188.38      40.72
  Conv. Total (cfs)       453596400.0    Conv. (cfs)            293289800.0   25293550.0   135013200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18776.00     414.81   28363.96
  Min Ch El (ft)            564.95    Shear (lb/sq ft)            1.61       3.65       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.36      20.91       1.63
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16605.46     844.77   12117.49
  C & E Loss (ft)             0.00    Cum SA (acres)            200.11       4.48     304.53


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266757.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.27  763.83  1416.1     760 1926.36     760 2324.33  762.15
 2407.07  762.15 2545.79    770 2755.36     770 2845.21  764.68 3152.55  742.52
 3684.47  724.58  3943.4  717.02 4551.94  702.16 4655.47  700.95 4787.69  700.64
 5580.61   689.4 5779.09  689.28 6024.66  682.74  6063.2  682.15  6740.2  682.15
  6988.1  670.55 7243.17  653.98 7343.75  652.15 7439.46  652.15 7564.51  654.85
 7839.45  686.43 7900.82  692.15 8084.45  676.46 8140.69  676.46 8180.25  675.97
 8312.98  683.41 8393.58  688.93 8523.55  699.32 8762.06  709.87 9153.24  714.31
 9390.77  714.31 9413.18  713.25 9556.43  705.26 9669.09  704.3110535.43  702.76
10873.06  681.71 11183.1  657.5311212.04  649.1811368.72  646.45 11615.6  660.13
11681.09  664.8912123.18  704.3712463.92     71012974.73  712.1512983.42  712.25
13167.17  703.8413396.57  689.5913462.44  689.2513585.28  701.08 13771.8     720
14144.45     72014201.92  718.3214291.55  716.9314573.65  720.8414767.76  728.22
14841.65     73015273.87     73015815.91  723.5416002.24  713.6716019.43  710.33
16168.89  686.6116367.49  643.9216389.19   642.316641.93  627.1717083.02  618.15
17197.21  617.8519572.93  617.8519793.57     62020169.37     620 20575.4  613.54
20746.52  613.5420840.33  605.6921091.81  597.8521632.28  590.1121639.69  589.65
21677.62     58021743.89  571.2821828.85  567.0221913.82  564.9522063.65  575.99
22091.18     58022174.67     63922236.55  642.0322443.38  664.1722506.66  668.68
22801.33  656.8622879.91  657.8923754.75  706.0524048.07  718.3424491.26  734.76
24752.05  745.6924989.05  734.2225524.31  706.1525562.39  703.62 25849.2  698.47
26003.89  719.5726052.52  727.0726103.45  727.0726360.95  729.2326746.96  724.62
26901.17  725.9127167.36  743.83   27685  748.1727902.98  743.21   28298  730.91
28692.77  716.49 28751.7  716.1729496.97  733.6729566.95  735.6930643.49  735.69
31023.52  737.8532525.44  731.3833018.95  733.5433795.46  733.5434747.25  725.69
 34921.1  725.6935290.57   731.735403.38  733.05 35790.5  731.38 36220.6  731.38
 36784.4     70036790.36  697.96 36944.5  634.7437111.51  623.5437137.02  623.92
37253.89  630.0737746.32  650.6538185.06  683.0638278.37  686.4638729.22  687.09
38881.46  671.6138938.43  671.6939332.31  703.6239832.75  718.8340143.63  727.85
 40636.7  731.0441026.37  737.8841258.66  739.3941352.76  739.28 41823.9  735.69
42446.93     74042805.48  737.4143139.45  742.8543271.06   741.943342.95  739.29
   43450  736.1743809.33   728.643983.11     73044071.96     73045121.59  724.09
45219.55  719.9545444.36  711.7345680.95  705.2345764.95  702.1545976.13  702.15
46004.24  703.2346181.42  708.9846465.29  707.3647132.56  688.3847273.86  685.17
47501.54  682.7547622.36  684.2148166.67  715.8548473.95  730.5149470.55  738.84
49643.79  740.5650140.69  748.3250276.35  751.4451154.46     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521677.62     .1522091.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21677.6222091.18             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.14    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            758.98    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1556996.00   77905.20   1152553.00
  E.G. Slope (ft/ft)      0.000311    Area (sq ft)            1556996.00   77905.20   1152553.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5175623.00   446514.50   2380996.00
  Top Width (ft)          47488.55    Top Width (ft)          18753.40     413.56   28321.58
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.32       5.73       2.07
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  Max Chl Dpth (ft)          194.03    Hydr. Depth (ft)           83.02     188.38      40.70
  Conv. Total (cfs)        453525100.0    Conv. (cfs)            293294500.0   25303280.0   134927300.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18776.67     414.96   28369.93
  Min Ch El (ft)             564.95    Shear (lb/sq ft)            1.61       3.65       0.79
  Alpha                        1.24    Stream Power (lb/ft s)      5.36      20.92       1.63
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    16427.10     835.84   11985.44
  C & E Loss (ft)              0.00    Cum SA (acres)            197.96       4.43     301.28


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266752.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1243.3  763.84 1416.13     760  1926.4     760 2324.38  762.13
 2407.13  762.13 2545.84     770 2755.42     770 2845.28  764.66 3152.62  742.49
 3684.55   724.6 3943.49  717.04 4552.04  702.17 4655.57  700.94  4787.8  700.61
 5580.73  689.37 5779.21  689.22  6024.8  682.71 6063.34  682.13 6740.35  682.13
 6988.25   670.5 7243.33  653.94 7343.91  652.13 7439.63  652.13 7564.68   654.8
 7839.62  686.39    7901  692.13 8084.63  676.39 8140.87  676.39 8180.43   675.9
 8313.16  683.39 8393.76  688.93 8523.74  699.33 8762.25  709.87 9153.45  714.26
 9390.98  714.26 9413.39   713.2 9556.65   705.2  9669.3  704.2610535.66  702.73
 10873.3  681.6211183.35  657.4511212.29  649.0811368.98  646.3811615.86  660.16
11681.35  664.9412123.45  704.43 12464.2     71012975.02  712.1312983.71  712.23
13167.46  703.7613396.87  689.4913462.74  689.1513585.59  701.0213772.11     720
14144.77     72014202.24  718.3314291.87  716.9814573.98  720.9114768.09  728.24
14841.98     73015274.21     73015816.27  723.6116002.59  713.8516019.79  710.52
16169.25  686.7616367.85  643.9816389.55  642.36 16642.3   627.2 17083.4  618.17
 17197.6  617.8719573.36  617.8719794.01     62020169.82     62020575.86  613.61
20746.98  613.6120840.79  605.7421092.29  597.8721632.76  590.1121640.18  589.65
 21678.1     580 21744.5  571.2621829.62  567.0121914.75  564.9522064.33  576.01
22091.82     58022175.33  639.1222237.22  642.1222444.09  664.1822507.38  668.69
22802.11  656.7822880.71  657.8123755.72  705.95 24049.1  718.2824492.38  734.78
24753.21  745.7424990.26  734.2325525.62  706.1125563.71  703.5925850.58  698.49
 26005.3  719.6826053.94  727.2126104.88  727.2126362.42  729.3526748.52  724.68
26902.76  725.96   27169   743.927686.73  748.1927904.76  743.1928299.86  730.85
 28694.7  716.4228753.65  716.1129499.07  733.7129569.06  735.7430645.81  735.74
31025.91  737.8732528.13  731.4833021.73  733.6133798.41  733.6134750.38  725.74
34924.27  725.7435293.81  731.7735406.64  733.1335793.83  731.4836224.02  731.48
36787.93     70036793.89  697.9536948.06  634.69 37115.1  623.6137140.62  623.99
37257.51  630.1237750.04  650.7438188.87  683.0338282.19  686.3938733.13  687.01
38885.41  671.4838942.39  671.5639336.34  703.5839836.88  718.8240147.82  727.87
40640.98  731.0841030.73  737.8841263.07  739.3941357.19  739.2941828.41  735.74
42451.57     740 42810.2  737.4443144.22  742.9343275.87  741.9943347.77  739.37
43454.84  736.2443814.24  728.6143988.06     73044076.93     73045126.76  724.15
45224.74  720.0145449.59  711.7645686.22  705.2145770.25  702.1345981.47  702.13
46009.58  703.2146186.79     70946470.71  707.3947138.12  688.4147279.45  685.19
47507.18  682.7247628.01  684.1648172.43   715.848479.78   730.549476.57  738.83
49649.84  740.5550146.84  748.3150282.53  751.4351160.82     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21678.1     .1522091.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21678.122091.82             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.14    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             758.98    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                       Flow Area (sq ft)       1557034.00   77935.87   1152212.00
  E.G. Slope (ft/ft)       0.000311    Area (sq ft)            1557034.00   77935.87   1152212.00
  Q Total (cfs)            8003133.00    Flow (cfs)             5176502.00   446761.80   2379870.00
  Top Width (ft)           47495.09    Top Width (ft)          18754.11     413.72   28327.27
  Vel Total (ft/s)             2.87    Avg. Vel. (ft/s)            3.32       5.73       2.07
  Max Chl Dpth (ft)          194.03    Hydr. Depth (ft)           83.02     188.38      40.68
  Conv. Total (cfs)        453454600.0    Conv. (cfs)            293298700.0   25313360.0   134842500.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18777.42     415.12   28375.71
  Min Ch El (ft)             564.95    Shear (lb/sq ft)            1.61       3.65       0.79
  Alpha                        1.24    Stream Power (lb/ft s)      5.36      20.93       1.63
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    16248.73     826.92   11853.43
  C & E Loss (ft)              0.00    Cum SA (acres)            195.81       4.39     298.04


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266747.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.32  763.85 1416.16     760 1926.45     760 2324.43  762.11
 2407.18  762.11  2545.9     770 2755.48     770 2845.34  764.64 3152.69  742.46
 3684.63  724.61 3943.58  717.06 4552.14  702.17 4655.68  700.93 4787.91  700.58
 5580.85  689.33 5779.34  689.15 6024.93  682.68 6063.47  682.11  6740.5  682.11
 6988.41  670.44 7243.49   653.9 7344.08  652.11  7439.8  652.11 7564.85  654.74
  7839.8  686.35 7901.17  692.11 8084.81  676.32 8141.05  676.32 8180.62  675.84
 8313.35  683.37 8393.95  688.93 8523.93  699.33 8762.45  709.87 9153.65  714.22
 9391.19  714.22  9413.6  713.15 9556.86  705.14 9669.52  704.22 10535.9   702.7
10873.55  681.54 11183.6  657.3711212.54  648.9811369.23  646.3111616.12  660.19
11681.61  664.9812123.72   704.512464.48     71012975.31  712.11   12984   712.2
13167.75  703.6913397.17  689.3813463.04  689.0513585.89  700.9713772.42     720
14145.08     72014202.55  718.3514292.19  717.03 14574.3  720.9714768.42  728.26
14842.31     73015274.55     73015816.62  723.6816002.95  714.0316020.14   710.7
16169.61  686.9116368.22  644.0516389.92  642.4316642.67  627.2317083.78  618.19
17197.98  617.89 19573.8  617.8919794.45     62020170.27     62020576.31  613.68
20747.45  613.6820841.26  605.7821092.75  597.8921633.24  590.1121640.66  589.66
21678.58     58021745.11  571.25 21830.4  566.9921915.69  564.9522065.02  576.03
22092.46     58022175.98  639.2422237.89  642.2122444.79  664.1922508.11  668.71
22802.89  656.71 22881.5  657.7223756.69  705.8524050.12  718.2224493.49  734.79
24754.37  745.7824991.47  734.2425526.93  706.0725565.03  703.5525851.96   698.5
26006.71   719.826055.36  727.3526106.31  727.35 26363.9  729.4626750.07  724.74
26904.34     72627170.63  743.9727688.47  748.2127906.54  743.1728301.72   730.8
28696.64  716.35 28755.6  716.0429501.16  733.7529571.17  735.7830648.13  735.78
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31028.31  737.8932530.82  731.5733024.52  733.6833801.35  733.68 34753.5  725.78
34927.43  725.7835297.04  731.8335409.89   733.235797.16  731.5736227.43  731.57
36791.45     70036797.41  697.9436951.62  634.64 37118.7  623.6837144.21  624.05
37261.13  630.1837753.76  650.8338192.67     68338286.01  686.3238737.04  686.93
38889.35  671.3638946.34  671.4339340.37  703.54   39841  718.8240152.01  727.89
40645.27  731.1141035.09  737.8741267.48  739.3941361.62   739.341832.93  735.78
42456.21     74042814.91  737.47   43149  743.0143280.67  742.0843352.59  739.46
43459.68  736.3243819.14  728.63   43993     73044081.89     73045131.93  724.22
45229.93  720.0745454.82   711.8 45691.5   705.245775.54  702.11 45986.8  702.11
46014.92  703.1946192.17  709.0146476.15  707.4247143.68  688.4347285.05   685.2
47512.81  682.6947633.67  684.11 48178.2  715.76 48485.6   730.5 49482.6  738.83
 49655.9  740.54   50153  748.3150288.71  751.4151167.17     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521678.58     .1522092.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21678.5822092.46             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.14    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.98    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1557080.00   77966.76   1151913.00
  E.G. Slope (ft/ft)      0.000312    Area (sq ft)            1557080.00   77966.76   1151913.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5177308.00   447002.00   2378823.00
  Top Width (ft)          47501.80    Top Width (ft)          18754.81     413.88   28333.11
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.33       5.73       2.07
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.02     188.38      40.66
  Conv. Total (cfs)       453394000.0    Conv. (cfs)            293305200.0   25323590.0   134765200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18778.19     415.28   28381.68
  Min Ch El (ft)            564.95    Shear (lb/sq ft)            1.61       3.65       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.36      20.94       1.63
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16070.36     817.99   11721.46
  C & E Loss (ft)             0.00    Cum SA (acres)            193.66       4.34     294.79


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266742.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.35  763.86  1416.2     760 1926.49     760 2324.48  762.08
 2407.23  762.08 2545.96     770 2755.54     770  2845.4  764.63 3152.76  742.44
 3684.72  724.63 3943.66  717.09 4552.24  702.18 4655.78  700.92 4788.01  700.56
 5580.98   689.3 5779.47  689.09 6025.07  682.65 6063.61  682.08 6740.65  682.08
 6988.57  670.38 7243.65  653.85 7344.24  652.08 7439.96  652.08 7565.02  654.69
 7839.97  686.31 7901.35  692.08 8084.99  676.25 8141.24  676.25  8180.8  675.77
 8313.53  683.35 8394.14  688.93 8524.12  699.34 8762.64  709.88 9153.85  714.17
  9391.4  714.17 9413.81   713.1 9557.07  705.09 9669.73  704.1710536.13  702.67
10873.79  681.4511183.85  657.2811212.79  648.8811369.48  646.2411616.38  660.22
11681.87  665.0312123.99  704.5612464.76     710 12975.6  712.0812984.28  712.18
13168.05  703.6113397.47  689.2813463.33  688.9513586.19  700.9113772.72     720
 14145.4     72014202.87  718.37 14292.5  717.0914574.63  721.0314768.75  728.28
14842.64     73015274.89     73015816.97  723.75 16003.3  714.21 16020.5  710.88
16169.97  687.0516368.58  644.1116390.28   642.516643.04  627.2617084.16  618.21
17198.36  617.9219574.23  617.9219794.89     62020170.72     62020576.77  613.75
20747.91  613.7520841.72  605.8321093.22  597.9221633.72  590.1121641.14  589.66
21679.06     58021745.72  571.2421831.17  566.9821916.63  564.95 22065.7  576.05
 22093.1     58022176.64  639.3622238.55  642.29 22445.5  664.2122508.83  668.72
22803.67  656.64 22882.3  657.6423757.65  705.7524051.14  718.15 24494.6   734.8
24755.54  745.8324992.68  734.2625528.25  706.0325566.36  703.5125853.34  698.52
26008.12  719.9226056.78  727.4926107.74  727.4926365.38  729.5826751.63   724.8
26905.93  726.0527172.27  744.0427690.21  748.2327908.33  743.1528303.58  730.74
28698.58  716.2828757.55  715.9729503.26  733.7929573.28  735.8330650.45  735.83
31030.71  737.9232533.51  731.6633027.31  733.7533804.29  733.7534756.63  725.83
34930.59  725.8335300.28   731.935413.15  733.28 35800.5  731.6636230.85  731.66
36794.98     70036800.95  697.9436955.18  634.5937122.29  623.7537147.81  624.12
37264.75  630.2437757.48  650.9338196.47  682.9638289.83  686.2538740.95  686.86
38893.29  671.2338950.29  671.31 39344.4   703.539845.13  718.82 40156.2  727.92
40649.56  731.1441039.45  737.8641271.89  739.3841366.04  739.3141837.45  735.83
42460.86     74042819.62   737.543153.78  743.0843285.47  742.16 43357.4  739.55
43464.52   736.443824.05  728.6443997.95     73044086.85     73045137.09  724.28
45235.12  720.1345460.05  711.8345696.78  705.1945780.84  702.0845992.14  702.08
46020.26  703.1746197.55  709.0246481.58  707.4447149.25  688.4647290.64  685.22
47518.45  682.6647639.33  684.0748183.96  715.7248491.43  730.4949488.62  738.83
49661.96  740.5450159.15   748.350294.89  751.3951173.52     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521679.06     .15 22093.1     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21679.06 22093.1             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.14    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.98    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1557092.00   77996.38   1151570.00
  E.G. Slope (ft/ft)      0.000312    Area (sq ft)            1557092.00   77996.38   1151570.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5178160.00   447249.70   2377724.00
  Top Width (ft)          47508.38    Top Width (ft)          18755.38     414.04   28338.96
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.33       5.73       2.06
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.02     188.38      40.64
  Conv. Total (cfs)       453315100.0    Conv. (cfs)            293302400.0   25333210.0   134679500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18778.81     415.44   28387.63
  Min Ch El (ft)            564.95    Shear (lb/sq ft)            1.61       3.65       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.37      20.95       1.63
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15891.99     809.05   11589.52
  C & E Loss (ft)             0.00    Cum SA (acres)            191.51       4.29     291.55


CROSS SECTION
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RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266737.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1243.38  763.88 1416.23     760 1926.53     760 2324.54  762.06
  2407.29  762.06 2546.01     770  2755.6     770 2845.47  764.61 3152.83  742.41
   3684.8  724.64 3943.75  717.11 4552.34  702.19 4655.88  700.91 4788.12  700.53
   5581.1  689.27  5779.6  689.03  6025.2  682.62 6063.74  682.06  6740.8  682.06
  6988.72  670.32 7243.81  653.81  7344.4  652.06 7440.13  652.06 7565.19  654.64
  7840.14  686.27 7901.53  692.06 8085.17  676.18 8141.42  676.18 8180.98  675.71
  8313.72  683.33 8394.33  688.92 8524.31  699.35 8762.84  709.88 9154.06  714.12
  9391.61  714.12 9414.02  713.05 9557.28  705.03 9669.95  704.1210536.37  702.64
 10874.03  681.37 11184.1   657.211213.04  648.7811369.73  646.1711616.63  660.25
 11682.13  665.0712124.26  704.6212465.03     71012975.89  712.0612984.57  712.15
 13168.34  703.5313397.76  689.1713463.63  688.8513586.49  700.8513773.03     720
 14145.71     72014203.19  718.3914292.82  717.1414574.95  721.0914769.08   728.3
 14842.97     73015275.23     73015817.32  723.8216003.66  714.3816020.86  711.06
 16170.33   687.216368.95  644.1816390.65  642.5616643.41  627.2917084.54  618.23
 17198.74  617.9419574.67  617.9419795.33     62020171.17     62020577.23  613.82
 20748.37  613.8220842.19  605.8821093.69  597.94 21634.2  590.1121641.62  589.66
 21679.54     58021746.33  571.2221831.95  566.9721917.56  564.9422066.39  576.07
 22093.74     58022177.29  639.4822239.22  642.3822446.21  664.2222509.55  668.73
 22804.45  656.5622883.09  657.5523758.62  705.6524052.17  718.0924495.71  734.82
  24756.7  745.8824993.89  734.2725529.56  705.9925567.68  703.4725854.71  698.54
 26009.53  720.04 26058.2  727.6326109.17  727.6326366.86   729.726753.18  724.85
 26907.51  726.0927173.91   744.127691.95  748.2527910.11  743.1328305.44  730.68
 28700.52  716.21 28759.5   715.929505.35  733.8329575.39  735.8830652.77  735.88
  31033.1  737.9432536.21  731.76 33030.1  733.8233807.23  733.8234759.76  725.88
 34933.75  725.8835303.51  731.9635416.41  733.3535803.83  731.7636234.27  731.76
 36798.51     70036804.48  697.9336958.74  634.5337125.88  623.8237151.41  624.19
 37268.37   630.337761.19  651.0238200.28  682.9338293.66  686.1838744.86  686.78
 38897.23   671.138954.24  671.1839348.43  703.4639849.26  718.8140160.39  727.94
 40653.84  731.1841043.82  737.86 41276.3  739.3841370.47  739.3141841.97  735.88
  42465.5     74042824.33  737.5343158.55  743.1643290.28  742.2543362.22  739.64
 43469.36  736.4843828.96  728.6644002.89     73044091.81     73045142.26  724.35
  45240.3  720.1945465.29  711.8745702.05  705.1745786.13  702.0645997.47  702.06
  46025.6  703.1546202.92  709.0346487.01  707.4747154.81  688.4847296.23  685.23
 47524.08  682.6347644.99  684.0248189.73  715.6848497.26  730.4949494.64  738.82
 49668.02  740.5350165.31   748.350301.07  751.3851179.88     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1521679.54     .1522093.74     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21679.5422093.74             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.14    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.98    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1557141.00   78028.67   1151232.00
  E.G. Slope (ft/ft)      0.000312    Area (sq ft)            1557141.00   78028.67   1151232.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5179044.00   447506.20   2376583.00
  Top Width (ft)          47514.93    Top Width (ft)          18756.08     414.20   28344.65
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.33       5.74       2.06
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           83.02     188.38      40.62
  Conv. Total (cfs)       453249100.0    Conv. (cfs)            293309800.0   25344050.0   134595300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18779.57     415.60   28393.45
  Min Ch El (ft)            564.94    Shear (lb/sq ft)            1.61       3.65       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.37      20.96       1.63
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15713.62     800.12   11457.62
  C & E Loss (ft)             0.00    Cum SA (acres)            189.36       4.24     288.30


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266732.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1243.41  763.89 1416.26     760 1926.58     760 2324.59  762.04
  2407.34  762.04 2546.07     770 2755.67     770 2845.53   764.6  3152.9  742.38
  3684.88  724.65 3943.84  717.13 4552.44  702.19 4655.99  700.89 4788.23   700.5
  5581.23  689.24 5779.73  688.97 6025.33  682.59 6063.88  682.04 6740.95  682.04
  6988.88  670.26 7243.98  653.77 7344.57  652.04 7440.29  652.04 7565.35  654.59
  7840.32  686.22  7901.7  692.04 8085.35  676.11  8141.6  676.11 8181.16  675.64
   8313.9  683.31 8394.51  688.92  8524.5  699.36 8763.04  709.88 9154.26  714.07
  9391.82  714.07 9414.23     713  9557.5  704.97 9670.16  704.07 10536.6  702.61
 10874.27  681.2811184.35  657.1211213.29  648.6811369.99   646.111616.89  660.28
 11682.39  665.1112124.53  704.6812465.31     71012976.18  712.0412984.86  712.13
 13168.63  703.4513398.06  689.0713463.93  688.75 13586.8   700.813773.33     720
 14146.03     720 14203.5  718.4114293.14  717.1914575.27  721.1614769.41  728.31
  14843.3     73015275.57     73015817.67  723.8916004.02  714.5616021.21  711.24
 16170.69  687.3416369.31  644.2516391.01  642.6316643.78  627.3317084.92  618.25
 17199.13  617.96 19575.1  617.9619795.77     62020171.62     62020577.69  613.89
 20748.83  613.8920842.65  605.9321094.16  597.9621634.68  590.11 21642.1  589.67
 21680.03     58021746.94  571.2121832.72  566.96 21918.5  564.9422067.07  576.08
 22094.38     58022177.95   639.622239.89  642.4722446.92  664.2322510.27  668.75
 22805.23  656.4922883.88  657.4623759.58  705.5524053.19  718.0224496.82  734.83
 24757.86  745.93 24995.1  734.2825530.88  705.95   25569  703.4325856.09  698.55
 26010.94  720.1626059.62  727.7826110.59  727.7826368.34  729.8226754.74  724.91
  26909.1  726.1427175.54  744.1727693.69  748.2727911.89  743.11 28307.3  730.63
 28702.45  716.1428761.45  715.8429507.45  733.87 29577.5  735.9330655.09  735.93
  31035.5  737.96 32538.9  731.8533032.89  733.8933810.17  733.8934762.89  725.93
 34936.91  725.9335306.75  732.0335419.66  733.4335807.16  731.8536237.68  731.85
 36802.04     700   36808  697.93 36962.3  634.4837129.47  623.8937155.01  624.25
 37271.99  630.3637764.91  651.1138204.08   682.938297.48  686.1138748.77   686.7
 38901.17  670.98 38958.2  671.0539352.46  703.4239853.38  718.8140164.58  727.96
 40658.13  731.2141048.18  737.85 41280.7  739.3841374.89  739.3241846.49  735.93
 42470.14     74042829.05  737.5543163.33  743.2443295.08  742.3443367.04  739.72
  43474.2  736.5643833.88  728.6744007.83     73044096.77     73045147.43  724.41
 45245.49  720.2545470.52   711.945707.33  705.1645791.42  702.0446002.81  702.04
 46030.94  703.13 46208.3  709.0446492.44   707.547160.37  688.5147301.82  685.25
 47529.71   682.647650.65  683.98 48195.5  715.6348503.08  730.4849500.66  738.82
 49674.07  740.5350171.46  748.2950307.25  751.3651186.23     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521680.03     .1522094.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21680.0322094.38             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.13    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.98    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1557191.00   78057.74   1150904.00
  E.G. Slope (ft/ft)      0.000312    Area (sq ft)            1557191.00   78057.74   1150904.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5179934.00   447739.50   2375461.00
  Top Width (ft)          47521.53    Top Width (ft)          18756.69     414.35   28350.49
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.33       5.74       2.06
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           83.02     188.39      40.60
  Conv. Total (cfs)       453184800.0    Conv. (cfs)            293318500.0   25353660.0   134512700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18780.24     415.75   28399.40
  Min Ch El (ft)            564.94    Shear (lb/sq ft)            1.61       3.66       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.37      20.97       1.63
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15535.24     791.18   11325.76
  C & E Loss (ft)             0.00    Cum SA (acres)            187.22       4.20     285.05


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266727.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.44  763.9 1416.29     760 1926.62     760 2324.64  762.01
 2407.39  762.01 2546.13    770 2755.73     770 2845.59  764.58 3152.97  742.35
 3684.96  724.67 3943.93  717.15 4552.54   702.2 4656.09  700.88 4788.33  700.47
 5581.35  689.21 5779.86  688.91 6025.47  682.56 6064.01  682.01  6741.1  682.01
 6989.03  670.21 7244.14  653.72 7344.73  652.01 7440.46  652.01 7565.52  654.53
 7840.49  686.18 7901.88  692.01 8085.53  676.04 8141.78  676.04 8181.34  675.58
 8314.09  683.29  8394.7  688.92 8524.69  699.36 8763.23  709.88 9154.46  714.03
 9392.03  714.03 9414.44  712.95 9557.71  704.91 9670.38  704.0310536.84  702.58
10874.51   681.2 11184.6  657.0411213.54  648.5811370.24  646.0311617.15  660.31
11682.65  665.16 12124.8  704.7412465.59     71012976.46  712.0112985.15   712.1
13168.92  703.3713398.36  688.9713464.23  688.65 13587.1  700.7413773.64     720
14146.34     72014203.82  718.4314293.46  717.24 14575.6  721.2214769.74  728.33
14843.63     73015275.91     73015818.03  723.9616004.37  714.7416021.57  711.42
16171.05  687.4916369.67  644.3116391.38  642.6916644.15  627.36 17085.3  618.27
17199.51  617.9919575.54  617.9919796.21     62020172.06     62020578.14  613.96
20749.29  613.9620843.11  605.9721094.63  597.9921635.17  590.1121642.58  589.67
21680.51     58021747.55  571.1921833.49  566.9521919.44  564.9422067.76   576.1
22095.02     580 22178.6  639.7222240.56  642.5522447.63  664.2422510.99  668.76
22806.01  656.4122884.68  657.3823760.55  705.4424054.22  717.9624497.93  734.85
24759.02  745.97 24996.3  734.2925532.19   705.925570.32  703.3925857.47  698.57
26012.35  720.2826061.03  727.9226112.02  727.9226369.82  729.9326756.29  724.97
26910.68  726.1827177.18  744.2427695.43  748.2927913.67  743.0928309.16  730.57
28704.39  716.0728763.39  715.7729509.54  733.9229579.61  735.9730657.41  735.97
31037.89  737.9932541.59  731.9433035.68  733.9633813.11  733.9634766.02  725.97
34940.07  725.9735309.98  732.0935422.92   733.5 35810.5  731.94 36241.1  731.94
36805.57     70036811.54  697.9236965.86  634.4337133.06  623.9637158.61  624.32
37275.61  630.4237768.62   651.238207.88  682.86 38301.3  686.0438752.68  686.63
38905.11  670.8538962.14  670.9339356.48  703.3839857.51  718.8140168.77  727.99
40662.41  731.2441052.54  737.8441285.11  739.3841379.32  739.3341851.01  735.97
42474.78     74042833.76  737.5843168.11  743.3243299.88  742.4343371.86  739.81
43479.04  736.6343838.79  728.6944012.77     73044101.73     73045152.59  724.47
45250.68  720.3145475.75  711.9445712.61  705.1445796.71  702.0146008.14  702.01
46036.28  703.1146213.68  709.0546497.88  707.5347165.93  688.5347307.41  685.26
47535.35  682.5747656.31  683.9348201.27  715.5948508.91  730.4749506.69  738.82
49680.13  740.5250177.62  748.2950313.43  751.3551192.59     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521680.51     .1522095.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21680.5122095.02             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.13    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.97    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1557213.00   78088.25   1150608.00
  E.G. Slope (ft/ft)      0.000312    Area (sq ft)            1557213.00   78088.25   1150608.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5180681.00   447983.40   2374469.00
  Top Width (ft)          47528.09    Top Width (ft)          18757.40     414.51   28356.18
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.33       5.74       2.06
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.02     188.39      40.58
  Conv. Total (cfs)       453117900.0    Conv. (cfs)            293317500.0   25363730.0   134436600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18781.00     415.91   28405.21
  Min Ch El (ft)            564.94    Shear (lb/sq ft)            1.61       3.66       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.37      20.98       1.63
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15356.85     782.23   11193.94
  C & E Loss (ft)             0.00    Cum SA (acres)            185.07       4.15     281.80


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266722.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.46  763.91 1416.32     760 1926.66     760 2324.69  761.99
 2407.45  761.99 2546.18    770 2755.79     770 2845.66  764.56 3153.04  742.33
 3685.04  724.68 3944.01  717.17 4552.65  702.21 4656.19  700.87 4788.44  700.44
 5581.48  689.18 5779.99  688.85  6025.6  682.53 6064.15  681.99 6741.25  681.99
 6989.19  670.15  7244.3  653.68 7344.89  651.99 7440.62  651.99 7565.69  654.48
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 7840.67  686.14 7902.05  691.99 8085.71  675.97 8141.96  675.97 8181.53  675.51
 8314.27  683.27 8394.89  688.91 8524.88  699.37 8763.42  709.88 9154.67  713.98
 9392.24  713.98 9414.65   712.9 9557.92  704.86 9670.59  703.9810537.07  702.55
10874.76  681.1111184.84  656.9611213.79  648.4811370.49  645.9611617.41  660.34
11682.91   665.212125.07   704.812465.87     71012976.75  711.9912985.44  712.08
13169.22  703.2913398.66  688.8613464.53  688.55 13587.4  700.6813773.95     720
14146.66     72014204.13  718.4414293.78  717.2914575.92  721.2814770.06  728.35
14843.96     73015276.25     73015818.38  724.0316004.73  714.9216021.93   711.6
16171.41  687.6316370.04  644.3816391.74  642.7616644.52  627.3917085.68  618.29
17199.89  618.0119575.97  618.0119796.65     62020172.51     620 20578.6  614.03
20749.75  614.0320843.58  606.02 21095.1  598.0121635.65  590.1121643.06  589.67
21680.99     58021748.16  571.1821834.27  566.9421920.38  564.9422068.45  576.12
22095.66     58022179.26  639.8422241.23  642.6422448.34  664.2622511.71  668.78
22806.79  656.3422885.47  657.2923761.52  705.3424055.24  717.8924499.04  734.86
24760.19  746.0224997.51  734.3125533.51  705.8625571.64  703.3525858.85  698.59
26013.75  720.3926062.45  728.0626113.45  728.06 26371.3  730.0526757.85  725.03
26912.27  726.2227178.82   744.327697.17  748.3127915.45  743.0728311.02  730.51
28706.33     71628765.34   715.729511.64  733.9629581.72  736.0230659.73  736.02
31040.29  738.0132544.28  732.0433038.46  734.0333816.05  734.0334769.14  726.02
34943.24  726.0235313.21  732.1535426.18  733.5835813.83  732.0436244.52  732.04
 36809.1     70036815.06  697.9136969.42  634.3837136.66  624.03 37162.2  624.38
37279.23  630.4837772.34  651.2938211.69  682.8338305.12  685.9738756.59  686.55
38909.05  670.73 38966.1   670.839360.52  703.3439861.64   718.840172.96  728.01
 40666.7  731.28 41056.9  737.8441289.52  739.3841383.75  739.3441855.53  736.02
42479.42     74042838.47  737.6143172.89  743.3943304.69  742.5243376.68   739.9
43483.88  736.7143843.69   728.744017.72     730 44106.7     73045157.76  724.54
45255.86  720.3745480.98  711.9745717.89  705.1345802.01  701.9946013.48  701.99
46041.62  703.0946219.05  709.06 46503.3  707.56 47171.5  688.56   47313  685.28
47540.99  682.5447661.97  683.8948207.03  715.5548514.73  730.4749512.71  738.81
49686.18  740.5150183.77  748.2850319.61  751.3351198.94     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521680.99     .1522095.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21680.9922095.66             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.13    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            758.97    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1557260.00   78118.33   1150262.00
  E.G. Slope (ft/ft)      0.000312    Area (sq ft)            1557260.00   78118.33   1150262.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5181600.00   448224.90   2373308.00
  Top Width (ft)          47534.75    Top Width (ft)          18758.06     414.67   28362.02
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.33       5.74       2.06
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.02     188.39      40.56
  Conv. Total (cfs)       453048500.0    Conv. (cfs)            293324700.0   25373520.0   134350400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18781.72     416.07   28411.17
  Min Ch El (ft)            564.94    Shear (lb/sq ft)            1.62       3.66       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.37      20.99       1.63
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15178.46     773.29   11062.15
  C & E Loss (ft)             0.00    Cum SA (acres)            182.92       4.10     278.56


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266717.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.49  763.92 1416.35     760  1926.7     760 2324.74  761.97
  2407.5  761.97 2546.24    770 2755.85     770 2845.72  764.55 3153.11   742.3
 3685.13  724.69  3944.1  717.19 4552.75  702.21  4656.3  700.86 4788.55  700.42
  5581.6  689.14 5780.11  688.78 6025.74   682.5 6064.28  681.97  6741.4  681.97
 6989.34  670.09 7244.46  653.64 7345.06  651.97 7440.79  651.97 7565.86  654.43
 7840.84   686.1 7902.23  691.97 8085.89   675.9 8142.14   675.9 8181.71  675.45
 8314.46  683.25 8395.07  688.91 8525.07  699.38 8763.62  709.88 9154.87  713.93
 9392.44  713.93 9414.85  712.85 9558.13   704.8 9670.81  703.93 10537.3  702.52
   10875  681.0311185.09  656.8711214.04  648.3811370.75  645.8911617.67  660.37
11683.17  665.2512125.34  704.8612466.14     71012977.04  711.9712985.73  712.06
13169.51  703.2213398.96  688.7613464.83  688.45 13587.7  700.6313774.25     720
14146.97     72014204.45  718.4614294.09  717.3414576.25  721.3414770.39  728.37
14844.29     73015276.59     73015818.73   724.116005.08  715.0916022.28  711.78
16171.77  687.78 16370.4  644.4416392.11  642.8316644.89  627.4217086.06  618.31
17200.28  618.0319576.41  618.0319797.09     62020172.96     62020579.06   614.1
20750.21   614.120844.04  606.0721095.57  598.0321636.13  590.1121643.55  589.68
21681.47     58021748.77  571.1721835.04  566.9321921.31  564.9422069.13  576.14
22096.29     58022179.92  639.9622241.89  642.7322449.05  664.2722512.43  668.79
22807.57  656.2622886.27  657.2123762.48  705.2424056.27  717.8324500.15  734.88
24761.35  746.0724998.72  734.3225534.82  705.8225572.96  703.3125860.23   698.6
26015.16  720.5126063.87   728.226114.88   728.226372.78  730.17 26759.4  725.09
26913.85  726.2727180.46  744.3727698.91  748.3327917.24  743.0528312.88  730.46
28708.26  715.9328767.29  715.6429513.73     73429583.83  736.0730662.05  736.07
31042.68  738.0332546.97  732.1333041.25   734.133818.99   734.134772.27  726.07
 34946.4  726.0735316.45  732.2235429.43  733.6535817.16  732.1336247.94  732.13
36812.62     70036818.59  697.9136972.98  634.3337140.25   624.1 37165.8  624.45
37282.85  630.5437776.06  651.3838215.49   682.838308.94   685.9 38760.5  686.47
38912.99   670.638970.05  670.6739364.54   703.339865.77   718.840177.14  728.03
40670.98  731.3141061.27  737.8341293.93  739.3741388.18  739.3541860.05  736.07
42484.06     74042843.18  737.6443177.66  743.4743309.49   742.643381.49  739.99
43488.71  736.79 43848.6  728.7244022.66     73044111.66     73045162.93   724.6
45261.05  720.4345486.21  712.0145723.16  705.11 45807.3  701.9746018.82  701.97
46046.96  703.0746224.43  709.0746508.74  707.5947177.06  688.5847318.59  685.29
47546.62  682.5147667.63  683.84 48212.8  715.5148520.56  730.4649518.73  738.81
49692.24  740.5150189.93  748.2850325.79  751.3251205.29     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521681.47     .1522096.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21681.4722096.29             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.13    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
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  W.S. Elev (ft)            758.97    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1557306.00   78146.21   1149926.00
  E.G. Slope (ft/ft)      0.000312    Area (sq ft)            1557306.00   78146.21   1149926.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5182501.00   448451.30   2372181.00
  Top Width (ft)          47541.20    Top Width (ft)          18758.67     414.82   28367.72
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.33       5.74       2.06
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.02     188.39      40.54
  Conv. Total (cfs)       452981700.0    Conv. (cfs)            293332400.0   25382590.0   134266700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18782.38     416.22   28416.99
  Min Ch El (ft)            564.94    Shear (lb/sq ft)            1.62       3.66       0.79
  Alpha                       1.24    Stream Power (lb/ft s)      5.38      21.00       1.63
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15000.07     764.34   10930.40
  C & E Loss (ft)             0.00    Cum SA (acres)            180.77       4.06     275.31


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266712.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.52  763.93 1416.38     760 1926.75     760 2324.79  761.94
 2407.55  761.94  2546.3    770 2755.91     770 2845.78  764.53 3153.18  742.27
 3685.21  724.71 3944.19  717.21 4552.85  702.22  4656.4  700.85 4788.65  700.39
 5581.72  689.11 5780.24  688.72 6025.87  682.47 6064.42  681.94 6741.55  681.94
  6989.5  670.03 7244.62  653.59 7345.22  651.94 7440.95  651.94 7566.03  654.37
 7841.02  686.06 7902.41  691.94 8086.07  675.83 8142.32  675.83 8181.89  675.39
 8314.64  683.23 8395.26  688.91 8525.26  699.39 8763.82  709.88 9155.08  713.89
 9392.65  713.89 9415.06   712.8 9558.35  704.74 9671.02  703.8910537.54  702.49
10875.24  680.9511185.34  656.7911214.29  648.28   11371  645.8211617.93   660.4
11683.43  665.2912125.61  704.9212466.42     71012977.33  711.9412986.02  712.03
 13169.8  703.1413399.25  688.6513465.13  688.35   13588  700.5713774.56     720
14147.29     72014204.77  718.4814294.41  717.3914576.57   721.414770.72  728.39
14844.62     73015276.93     73015819.08  724.1716005.44  715.2716022.64  711.96
16172.13  687.9216370.77  644.5116392.47  642.8916645.26  627.4517086.45  618.33
17200.66  618.0619576.85  618.0619797.53     62020173.41     62020579.52  614.17
20750.68  614.17 20844.5  606.1121096.04  598.0621636.61  590.1121644.03  589.68
21681.96     58021749.38  571.1521835.81  566.9221922.25  564.9422069.82  576.16
22096.93     58022180.57  640.0822242.56  642.8122449.76  664.2822513.15  668.81
22808.35  656.1922887.06  657.1223763.45  705.1424057.29  717.7624501.27  734.89
24762.51  746.1124999.93  734.3325536.13  705.7825574.29  703.2725861.61  698.62
26016.57  720.6326065.29  728.3426116.31  728.3426374.26  730.2826760.96  725.15
26915.44  726.31 27182.1  744.4427700.65  748.3527919.02  743.0328314.74   730.4
 28710.2  715.8628769.24  715.5729515.83  734.0429585.94  736.1130664.37  736.11
31045.08  738.0632549.66  732.2233044.04  734.1733821.93  734.17 34775.4  726.11
34949.56  726.1135319.68  732.2835432.69  733.7335820.49  732.2236251.36  732.22
36816.15     70036822.12   697.936976.54  634.2837143.84  624.17 37169.4  624.52
37286.47   630.637779.78  651.47 38219.3  682.7638312.77  685.8338764.41   686.4
38916.93  670.47   38974  670.5439368.57  703.2639869.89   718.840181.33  728.06
40675.27  731.3441065.62  737.8341298.34  739.37 41392.6  739.3541864.57  736.11
42488.71     74042847.89  737.6743182.45  743.55 43314.3  742.6943386.31  740.07
43493.55  736.8743853.51  728.7344027.61     73044116.62     730 45168.1  724.67
45266.23  720.4945491.44  712.0445728.44   705.1 45812.6  701.9446024.15  701.94
 46052.3  703.05 46229.8  709.0846514.17  707.6247182.62  688.6147324.18  685.31
47552.26  682.4847673.29  683.7948218.56  715.4748526.39  730.4649524.75  738.81
 49698.3   740.550196.08  748.2750331.98   751.351211.64     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521681.96     .1522096.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21681.9622096.93             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.13    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.97    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1557333.00   78175.29   1149621.00
  E.G. Slope (ft/ft)      0.000312    Area (sq ft)            1557333.00   78175.29   1149621.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5183290.00   448688.50   2371155.00
  Top Width (ft)          47547.92    Top Width (ft)          18759.38     414.97   28373.57
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.33       5.74       2.06
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.02     188.39      40.52
  Conv. Total (cfs)       452913600.0    Conv. (cfs)            293332900.0   25392190.0   134188500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18783.15     416.37   28422.96
  Min Ch El (ft)            564.94    Shear (lb/sq ft)            1.62       3.66       0.79
  Alpha                       1.25    Stream Power (lb/ft s)      5.38      21.01       1.63
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14821.67     755.38   10798.69
  C & E Loss (ft)             0.00    Cum SA (acres)            178.62       4.01     272.06


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266707.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.55  763.94 1416.42     760 1926.79     760 2324.85  761.92
 2407.61  761.92 2546.35    770 2755.97     770 2845.85  764.52 3153.25  742.24
 3685.29  724.72 3944.28  717.23 4552.95  702.23  4656.5  700.84 4788.76  700.36
 5581.85  689.08 5780.37  688.66 6026.01  682.44 6064.55  681.92  6741.7  681.92
 6989.65  669.97 7244.78  653.55 7345.38  651.92 7441.12  651.92  7566.2  654.32
 7841.19  686.02 7902.58  691.92 8086.25  675.76  8142.5  675.76 8182.07  675.32
 8314.83  683.21 8395.45   688.9 8525.45  699.39 8764.01  709.89 9155.28  713.84
 9392.86  713.84 9415.27  712.75 9558.56  704.69 9671.24  703.8410537.77  702.46
10875.48  680.8611185.59  656.7111214.54  648.1811371.25  645.7511618.18  660.43
11683.69  665.3412125.88  704.98 12466.7     71012977.62  711.9212986.31  712.01
 13170.1  703.0613399.55  688.5513465.43  688.2513588.31  700.5213774.87     720
 14147.6     72014205.08   718.514294.73  717.44 14576.9  721.4714771.05  728.41
14844.95     73015277.27     73015819.43  724.24 16005.8  715.45   16023  712.14
16172.49  688.0716371.13  644.5816392.84  642.9616645.63  627.4817086.82  618.35
17201.04  618.0819577.28  618.0819797.97     62020173.86     62020579.98  614.24
20751.14  614.2420844.97  606.1621096.51  598.0821637.09  590.1121644.51  589.69
21682.44     58021749.99  571.1421836.59  566.9121923.18  564.93 22070.5  576.17
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22097.57     58022181.23   640.222243.23   642.922450.46  664.2922513.88  668.82
22809.12  656.1122887.86  657.0323764.42  705.0424058.31   717.724502.38   734.9
24763.67  746.1625001.14  734.3425537.45  705.7425575.61  703.2325862.98  698.64
26017.98  720.7526066.71  728.4826117.73  728.4826375.73   730.426762.51  725.21
26917.02  726.3627183.73   744.527702.39  748.37 27920.8  743.01 28316.6  730.34
28712.14  715.7828771.19   715.529517.93  734.0829588.04  736.1630666.69  736.16
31047.47  738.0832552.35  732.3233046.83  734.2433824.87  734.2434778.53  726.16
34952.72  726.1635322.92  732.3535435.95  733.8135823.83  732.3236254.77  732.32
36819.68     70036825.65   697.9 36980.1  634.2337147.43  624.24   37173  624.58
37290.09  630.66 37783.5  651.57 38223.1  682.7338316.59  685.7638768.32  686.32
38920.87  670.3538977.95  670.42 39372.6  703.2239874.02  718.7940185.52  728.08
40679.55  731.3741069.99  737.8241302.74  739.3741397.03  739.3641869.09  736.16
42493.35     74042852.61  737.6943187.22  743.63 43319.1  742.7843391.13  740.16
43498.39  736.9543858.42  728.7544032.55     73044121.58     73045173.27  724.73
45271.42  720.5545496.67  712.0845733.72  705.0945817.89  701.9246029.49  701.92
46057.65  703.0346235.18   709.1 46519.6  707.6547188.19  688.6347329.77  685.33
47557.89  682.4547678.95  683.7548224.33  715.4248532.21  730.4549530.78   738.8
49704.36   740.550202.23  748.2750338.16  751.28   51218     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521682.44     .1522097.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21682.4422097.57             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.13    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.97    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1557371.00   78207.68   1149283.00
  E.G. Slope (ft/ft)      0.000312    Area (sq ft)            1557371.00   78207.68   1149283.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5184165.00   448948.90   2370019.00
  Top Width (ft)          47554.52    Top Width (ft)          18759.98     415.13   28379.41
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.33       5.74       2.06
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           83.02     188.39      40.50
  Conv. Total (cfs)       452845200.0    Conv. (cfs)            293338100.0   25403090.0   134104000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18783.81     416.53   28428.93
  Min Ch El (ft)            564.93    Shear (lb/sq ft)            1.62       3.66       0.79
  Alpha                       1.25    Stream Power (lb/ft s)      5.38      21.02       1.63
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14643.27     746.43   10667.02
  C & E Loss (ft)             0.00    Cum SA (acres)            176.47       3.96     268.81


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266702.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.57  763.96 1416.45     760 1926.83     760  2324.9   761.9
 2407.66   761.9 2546.41    770 2756.03     770 2845.91   764.5 3153.32  742.22
 3685.37  724.73 3944.36  717.25 4553.05  702.23 4656.61  700.83 4788.87  700.33
 5581.97  689.05  5780.5   688.6 6026.14  682.41 6064.69   681.9 6741.85   681.9
 6989.81  669.92 7244.94  653.51 7345.55   651.9 7441.29   651.9 7566.36  654.27
 7841.37  685.98 7902.76   691.9 8086.43  675.69 8142.69  675.69 8182.25  675.26
 8315.01  683.19 8395.63   688.9 8525.63   699.4 8764.21  709.89 9155.48  713.79
 9393.07  713.79 9415.48   712.7 9558.77  704.63 9671.45  703.7910538.01  702.43
10875.72  680.7811185.84  656.6311214.79  648.0811371.51  645.6811618.44  660.46
11683.95  665.3812126.15  705.0512466.97     71012977.91   711.9 12986.6  711.98
13170.39  702.9813399.85  688.4413465.73  688.1513588.61  700.4613775.17     720
14147.92     720 14205.4  718.5214295.05  717.4914577.22  721.5314771.38  728.43
14845.28     73015277.61    73015819.79  724.3116006.15  715.6316023.35  712.32
16172.85  688.21 16371.5  644.64 16393.2  643.03   16646  627.5117087.21  618.37
17201.42   618.119577.72   618.119798.41     62020174.31     62020580.44  614.31
 20751.6  614.3120845.43  606.2121096.98   598.121637.57  590.1121644.99  589.69
21682.92     580 21750.6  571.1321837.36  566.8921924.12  564.9322071.19  576.19
22098.21     58022181.88  640.32 22243.9  642.9922451.17  664.31 22514.6  668.84
 22809.9  656.0422888.65  656.9523765.38  704.9424059.34  717.6324503.49  734.92
24764.84  746.2125002.35  734.3625538.76   705.725576.93  703.1925864.36  698.65
26019.39  720.8726068.12  728.6226119.16  728.6226377.21  730.5226764.06  725.26
26918.61   726.427185.37  744.5727704.13  748.3927922.58  742.9928318.46  730.28
28714.08  715.7128773.14  715.4329520.02  734.1229590.15  736.2130669.02  736.21
31049.87   738.132555.04  732.4133049.62  734.3133827.81  734.3134781.65  726.21
34955.88  726.2135326.15  732.41 35439.2  733.8835827.16  732.4136258.19  732.41
36823.21     70036829.18  697.8936983.66  634.1737151.03  624.3137176.59  624.65
37293.71  630.7237787.21  651.66 38226.9   682.738320.41  685.6938772.23  686.24
38924.81  670.2238981.91  670.2939376.63  703.1839878.15  718.7940189.71   728.1
40683.84  731.4141074.35  737.8141307.15  739.3741401.45  739.3741873.61  736.21
42497.99     74042857.32  737.72   43192   743.7 43323.9  742.8743395.95  740.25
43503.23  737.0243863.33  728.7644037.49     73044126.54     73045178.43  724.79
45276.61  720.61 45501.9  712.11   45739  705.0745823.19   701.946034.82   701.9
46062.99  703.0146240.55  709.1146525.03  707.6747193.75  688.6647335.36  685.34
47563.53  682.4247684.61   683.7 48230.1  715.3848538.04  730.45 49536.8   738.8
49710.41  740.4950208.39  748.2650344.34  751.2751224.35     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521682.92     .1522098.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21682.9222098.21             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.13    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.97    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1557413.00   78238.68   1148960.00
  E.G. Slope (ft/ft)      0.000312    Area (sq ft)            1557413.00   78238.68   1148960.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5185008.00   449195.20   2368930.00
  Top Width (ft)          47561.04    Top Width (ft)          18760.65     415.29   28385.10
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.33       5.74       2.06
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           83.01     188.39      40.48
  Conv. Total (cfs)       452779900.0    Conv. (cfs)            293343500.0   25413370.0   134023000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18784.54     416.69   28434.74
  Min Ch El (ft)            564.93    Shear (lb/sq ft)            1.62       3.66       0.79
  Alpha                       1.25    Stream Power (lb/ft s)      5.38      21.03       1.62
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14464.86     737.46   10535.38
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  C & E Loss (ft)             0.00    Cum SA (acres)            174.32       3.91     265.55


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266697.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1243.6  763.97 1416.48     760 1926.88     760 2324.95  761.87
 2407.71  761.87 2546.47     770 2756.09     770 2845.97  764.48 3153.39  742.19
 3685.45  724.75 3944.45  717.27 4553.15  702.24 4656.71  700.82 4788.97   700.3
  5582.1  689.02 5780.63  688.54 6026.27  682.38 6064.82  681.87    6742  681.87
 6989.97  669.86  7245.1  653.46 7345.71  651.87 7441.45  651.87 7566.53  654.22
 7841.54  685.94 7902.93  691.87 8086.61  675.62 8142.87  675.62 8182.44  675.19
  8315.2  683.17 8395.82   688.9 8525.82  699.41  8764.4  709.89 9155.69  713.75
 9393.28  713.75 9415.69  712.65 9558.99  704.57 9671.67  703.7510538.24   702.4
10875.97  680.6911186.09  656.5511215.04  647.9811371.76  645.61 11618.7  660.49
11684.21  665.4312126.42  705.1112467.25     710 12978.2  711.8712986.88  711.96
13170.68   702.913400.15  688.3413466.03  688.0413588.91   700.413775.48     720
14148.23     72014205.71  718.5414295.37  717.5414577.54  721.5914771.71  728.45
14845.61     73015277.95     73015820.14  724.3816006.51   715.816023.71   712.5
16173.21  688.3616371.86  644.7116393.56  643.0916646.37  627.5417087.59  618.39
 17201.8  618.1319578.15  618.1319798.86     62020174.76     62020580.89  614.38
20752.06  614.38 20845.9  606.2521097.45  598.1321638.05  590.1121645.47  589.69
 21683.4     58021751.21  571.1121838.13  566.8821925.06  564.9322071.87  576.21
22098.85     58022182.54  640.4422244.56  643.0722451.88  664.3222515.32  668.85
22810.68  655.9622889.45  656.8623766.35  704.8424060.36  717.57 24504.6  734.93
   24766  746.2525003.56  734.3725540.08  705.6625578.25  703.1525865.74  698.67
 26020.8  720.9826069.54  728.7626120.59  728.7626378.69  730.6426765.62  725.32
26920.19  726.4527187.01  744.6427705.87  748.4127924.36  742.9728320.31  730.23
28716.01  715.6428775.09  715.3729522.12  734.1629592.26  736.2530671.34  736.25
31052.26  738.1332557.73  732.51 33052.4  734.3833830.75  734.3834784.78  726.25
34959.05  726.2535329.39  732.4835442.46  733.9635830.49  732.5136261.61  732.51
36826.74     70036832.71  697.8836987.22  634.1237154.62  624.3837180.19  624.72
37297.33  630.7837790.93  651.7538230.71  682.6638324.23  685.6238776.15  686.16
38928.75  670.0938985.86  670.1639380.66  703.1439882.28  718.78 40193.9  728.13
40688.13  731.4441078.71  737.8141311.56  739.3741405.88  739.3841878.12  736.25
42502.63     74042862.03  737.7543196.78  743.7843328.71  742.9643400.76  740.34
43508.07   737.143868.24  728.7844042.44     730 44131.5     730 45183.6  724.86
 45281.8  720.6745507.13  712.1545744.27  705.0645828.48  701.8746040.16  701.87
46068.33  702.9946245.93  709.1246530.46   707.747199.31  688.6847340.95  685.36
47569.16  682.3947690.27  683.6648235.86  715.3448543.87  730.4449542.82   738.8
49716.47  740.4850214.54  748.2650350.52  751.2551230.71     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21683.4     .1522098.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21683.422098.85             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.12    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.96    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1557436.00   78269.18   1148622.00
  E.G. Slope (ft/ft)      0.000313    Area (sq ft)            1557436.00   78269.18   1148622.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5185855.00   449447.50   2367831.00
  Top Width (ft)          47567.75    Top Width (ft)          18761.35     415.45   28390.95
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.33       5.74       2.06
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.01     188.40      40.46
  Conv. Total (cfs)       452704800.0    Conv. (cfs)            293342800.0   25423430.0   133938600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18785.30     416.85   28440.70
  Min Ch El (ft)            564.93    Shear (lb/sq ft)            1.62       3.66       0.79
  Alpha                       1.25    Stream Power (lb/ft s)      5.39      21.04       1.62
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14286.45     728.50   10403.78
  C & E Loss (ft)             0.00    Cum SA (acres)            172.17       3.86     262.30


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266692.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.63  763.98 1416.51     760 1926.92     760    2325  761.85
 2407.77  761.85 2546.52     770 2756.16     770 2846.04  764.47 3153.46  742.16
 3685.54  724.76 3944.54   717.3 4553.25  702.25 4656.81  700.81 4789.08  700.28
 5582.22  688.99 5780.76  688.47 6026.41  682.35 6064.96  681.85 6742.15  681.85
 6990.12   669.8 7245.27  653.42 7345.88  651.85 7441.62  651.85  7566.7  654.16
 7841.71   685.9 7903.11  691.85 8086.79  675.55 8143.05  675.55 8182.62  675.13
 8315.38  683.15 8396.01  688.89 8526.01  699.42 8764.59  709.89 9155.89   713.7
 9393.49   713.7  9415.9   712.6  9559.2  704.51 9671.88   703.710538.48  702.37
10876.21  680.6111186.34  656.4711215.29  647.8811372.01  645.5411618.96  660.52
11684.47  665.4712126.69  705.1712467.53     71012978.49  711.8512987.17  711.93
13170.98  702.8313400.45  688.2413466.33  687.9413589.21  700.3513775.79     720
14148.54     72014206.03  718.5514295.68  717.5914577.87  721.6514772.04  728.47
14845.95     73015278.29     73015820.49  724.4516006.87  715.9816024.07  712.68
16173.57  688.5116372.22  644.7816393.93  643.1616646.74  627.5717087.96  618.41
17202.19  618.1519578.59  618.1519799.29     62020175.21     62020581.35  614.45
20752.52  614.4520846.36   606.321097.92  598.1521638.54  590.1121645.96   589.7
21683.89     58021751.82   571.121838.91  566.8721925.99  564.9322072.56  576.23
22099.49     580 22183.2  640.5622245.23  643.1622452.59  664.3322516.04  668.86
22811.46  655.8922890.24  656.7823767.32  704.7424061.39   717.524505.71  734.95
24767.16   746.325004.77  734.3825541.39  705.6225579.57  703.1125867.12  698.69
26022.21   721.126070.96   728.926122.02   728.926380.17  730.7526767.17  725.38
26921.78  726.4927188.64  744.71 27707.6  748.4327926.15  742.9528322.17  730.17
28717.95  715.5728777.04   715.329524.21   734.229594.37   736.330673.66   736.3
31054.66  738.1532560.42   732.633055.19  734.4533833.69  734.4534787.91   726.3
34962.21   726.335332.62  732.5435445.72  734.0335833.82   732.636265.02   732.6
36830.27     70036836.24  697.8836990.78  634.0737158.21  624.4537183.79  624.78
37300.95  630.8437794.65  651.8438234.51  682.6338328.05  685.5538780.06  686.09
38932.69  669.9738989.81  670.0439384.69   703.139886.41  718.7840198.09  728.15
40692.41  731.4741083.07   737.841315.97  739.37 41410.3  739.3841882.64   736.3
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42507.27     74042866.74  737.7843201.55  743.8643333.51  743.0443405.58  740.42
43512.91  737.1843873.15  728.7944047.38     73044136.46     73045188.77  724.92
45286.98  720.7345512.36  712.1845749.55  705.0445833.77  701.8546045.49  701.85
46073.67  702.97 46251.3  709.1346535.89  707.7347204.88  688.7147346.54  685.37
 47574.8  682.3647695.92  683.6148241.63   715.3 48549.7  730.4449548.84  738.79
49722.52  740.48 50220.7  748.25 50356.7  751.2451237.06     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521683.89     .1522099.49     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21683.8922099.49             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.12    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.96    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1557474.00   78297.50   1148300.00
  E.G. Slope (ft/ft)      0.000313    Area (sq ft)            1557474.00   78297.50   1148300.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5186707.00   449676.70   2366750.00
  Top Width (ft)          47574.19    Top Width (ft)          18761.96     415.60   28396.63
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.33       5.74       2.06
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.01     188.40      40.44
  Conv. Total (cfs)       452638300.0    Conv. (cfs)            293347800.0   25432650.0   133857800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18785.97     417.00   28446.50
  Min Ch El (ft)            564.93    Shear (lb/sq ft)            1.62       3.66       0.79
  Alpha                       1.25    Stream Power (lb/ft s)      5.39      21.05       1.62
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14108.04     719.53   10272.22
  C & E Loss (ft)             0.00    Cum SA (acres)            170.02       3.82     259.05


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266687.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.66  763.99 1416.54     760 1926.96     760 2325.05  761.83
 2407.82  761.83 2546.58    770 2756.22     770  2846.1  764.45 3153.53  742.14
 3685.62  724.78 3944.63  717.32 4553.35  702.25 4656.92   700.8 4789.19  700.25
 5582.34  688.95 5780.89  688.41 6026.54  682.32 6065.09  681.83  6742.3  681.83
 6990.28  669.74 7245.43  653.38 7346.04  651.83 7441.78  651.83 7566.87  654.11
 7841.89  685.86 7903.29  691.83 8086.97  675.48 8143.23  675.48  8182.8  675.06
 8315.57  683.13 8396.19  688.89  8526.2  699.42 8764.79  709.89 9156.09  713.65
  9393.7  713.65 9416.11  712.55 9559.41  704.46  9672.1  703.6510538.71  702.34
10876.45  680.5211186.59  656.3811215.54  647.7811372.26  645.4711619.22  660.55
11684.73  665.5112126.96  705.2312467.81     71012978.77  711.8312987.46  711.91
13171.27  702.7513400.75  688.1313466.63  687.8413589.52  700.2913776.09     720
14148.86     72014206.35  718.57   14296  717.6414578.19  721.7214772.36  728.49
14846.28     73015278.63     73015820.84  724.5216007.22  716.1616024.42  712.86
16173.93  688.6516372.59  644.8416394.29  643.2316647.11   627.617088.35  618.43
17202.57  618.1719579.02  618.1719799.74     62020175.66     62020581.81  614.52
20752.99  614.5220846.82  606.3521098.39  598.1721639.02  590.1121646.44   589.7
21684.37     58021752.43  571.0821839.68  566.8621926.93  564.9322073.24  576.24
22100.13     58022183.85  640.68 22245.9  643.24 22453.3  664.3422516.76  668.88
22812.24  655.8222891.04  656.6923768.28  704.6324062.41  717.4424506.82  734.96
24768.32  746.3525005.98  734.3925542.71  705.57 25580.9  703.07 25868.5   698.7
26023.62  721.2226072.38  729.0426123.45  729.0426381.65  730.8726768.73  725.44
26923.36  726.5327190.28  744.7727709.34  748.4527927.93  742.9328324.03  730.11
28719.89   715.528778.98  715.2329526.31  734.2429596.48  736.3530675.98  736.35
31057.05  738.1732563.11  732.6933057.98  734.5233836.63  734.5234791.04  726.35
34965.37  726.3535335.86  732.6135448.97  734.1135837.16  732.6936268.44  732.69
36833.79     70036839.77  697.8736994.34  634.02 37161.8  624.5237187.39  624.85
37304.57   630.937798.37  651.9338238.31   682.638331.88  685.4838783.97  686.01
38936.63  669.8438993.76  669.9139388.72  703.0739890.53  718.7840202.28  728.17
 40696.7  731.5141087.44  737.7941320.38  739.3641414.73  739.3941887.16  736.35
42511.91     74042871.45  737.8143206.33  743.9443338.31  743.13 43410.4  740.51
43517.75  737.2643878.06  728.8144052.32     73044141.42     73045193.93  724.99
45292.17  720.7945517.59  712.2245754.83  705.0345839.07  701.8346050.83  701.83
46079.01  702.9546256.68  709.1446541.33  707.7647210.44  688.7347352.13  685.39
47580.43  682.3347701.58  683.5748247.39  715.2548555.52  730.4349554.87  738.79
49728.58  740.4750226.85  748.2550362.88  751.2251243.41     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521684.37     .1522100.13     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21684.3722100.13             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.12    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.96    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1557526.00   78329.60   1147975.00
  E.G. Slope (ft/ft)      0.000313    Area (sq ft)            1557526.00   78329.60   1147975.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5187577.00   449928.70   2365628.00
  Top Width (ft)          47580.86    Top Width (ft)          18762.63     415.76   28402.47
  Vel Total (ft/s)            2.87    Avg. Vel. (ft/s)            3.33       5.74       2.06
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.01     188.40      40.42
  Conv. Total (cfs)       452575800.0    Conv. (cfs)            293356600.0   25443390.0   133775900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18786.70     417.17   28452.46
  Min Ch El (ft)            564.93    Shear (lb/sq ft)            1.62       3.67       0.79
  Alpha                       1.25    Stream Power (lb/ft s)      5.39      21.06       1.62
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13929.62     710.56   10140.69
  C & E Loss (ft)             0.00    Cum SA (acres)            167.87       3.77     255.80


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266682.*

INPUT
Description:
Station Elevation Data    num=     174
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.68     764 1416.57     760    1927     760  2325.1   761.8
 2407.88   761.8 2546.64     770 2756.28     770 2846.16  764.44  3153.6  742.11
  3685.7  724.79 3944.72  717.34 4553.46  702.26 4657.02  700.79 4789.29  700.22
  5582.47 688.92 5781.01  688.35 6026.68  682.29 6065.23   681.8 6742.45   681.8
  6990.43 669.68 7245.59  653.33  7346.2   651.8 7441.95   651.8 7567.04  654.06
  7842.06 685.82 7903.46   691.8 8087.15  675.41 8143.41  675.41 8182.98     675
  8315.75 683.11 8396.38  688.89 8526.39  699.43 8764.99  709.89  9156.3  713.61
  9393.91 713.61 9416.32   712.5 9559.62   704.4 9672.31  703.6110538.95  702.31
 10876.69 680.4411186.84   656.311215.79  647.6811372.52   645.411619.48  660.58
 11684.99 665.5612127.23  705.2912468.08     71012979.06   711.812987.75  711.88
 13171.56 702.6713401.04  688.0313466.93  687.7413589.82  700.23 13776.4     720
 14149.17     72014206.66  718.5914296.32  717.6914578.52  721.7814772.69  728.51
 14846.61     73015278.97     73015821.19  724.5916007.58  716.3416024.78  713.04
 16174.29  688.816372.95  644.9116394.66  643.2916647.48  627.6317088.73  618.45
 17202.95  618.219579.46   618.219800.18     62020176.11    62020582.27  614.59
 20753.45 614.5920847.29  606.3921098.86   598.2 21639.5  590.1121646.92  589.71
 21684.85     58021753.04  571.0721840.45  566.8521927.87  564.9322073.93  576.26
 22100.77     58022184.51   640.822246.57  643.3322454.01  664.3622517.48  668.89
 22813.02 655.7422891.83  656.6123769.25  704.5324063.44  717.3724507.93  734.98
 24769.49 746.3925007.19  734.4125544.02  705.5325582.22  703.0325869.88  698.72
 26025.02 721.34 26073.8  729.1826124.88  729.1826383.13  730.9926770.28   725.5
 26924.95 726.5827191.92  744.8427711.08  748.4727929.71  742.9128325.89  730.06
 28721.83 715.4328780.93  715.17 29528.4  734.2829598.59  736.39 30678.3  736.39
 31059.45  738.2 32565.8  732.7933060.77  734.5933839.57  734.5934794.16  726.39
 34968.53 726.3935339.09  732.6735452.23  734.1835840.49  732.7936271.86  732.79
 36837.32     700 36843.3  697.86 36997.9  633.97 37165.4  624.5937190.98  624.91
  37308.2 630.9637802.08  652.0238242.12  682.56 38335.7  685.4138787.88  685.93
 38940.57 669.7238997.71  669.7839392.75  703.0339894.66  718.7740206.46   728.2
 40700.98 731.54 41091.8  737.7941324.79  739.3641419.16   739.441891.68  736.39
 42516.55     74042876.17  737.8443211.11  744.0243343.12  743.2243415.21   740.6
 43522.59 737.3443882.97  728.8244057.27     73044146.38     730 45199.1  725.05
 45297.36 720.8545522.82  712.2545760.11  705.0145844.36   701.846056.16   701.8
 46084.35 702.9346262.05  709.1546546.76  707.79   47216  688.7647357.72   685.4
 47586.07  682.347707.24  683.5248253.16  715.2148561.35  730.4249560.89  738.79
 49734.64  740.47   50233  748.2450369.06  751.2151249.77     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521684.85     .1522100.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21684.8522100.77              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.12    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            758.96    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1557547.00   78359.45   1147641.00
  E.G. Slope (ft/ft)      0.000313    Area (sq ft)            1557547.00   78359.45   1147641.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5188416.00   450174.00   2364543.00
  Top Width (ft)          47587.31    Top Width (ft)          18763.23     415.92   28408.16
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.33       5.74       2.06
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)            83.01     188.40      40.40
  Conv. Total (cfs)       452502300.0    Conv. (cfs)            293356400.0   25453130.0   133692800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18787.36     417.32   28458.28
  Min Ch El (ft)            564.93    Shear (lb/sq ft)            1.62       3.67       0.79
  Alpha                       1.25    Stream Power (lb/ft s)      5.39      21.07       1.62
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13751.20     701.59   10009.21
  C & E Loss (ft)             0.00    Cum SA (acres)            165.72       3.72     252.54


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266677.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.71  764.01  1416.6     760 1927.05     760 2325.16  761.78
 2407.93  761.78 2546.69     770 2756.34     770 2846.23  764.42 3153.67  742.08
 3685.78   724.8  3944.8  717.36 4553.56  702.27 4657.13  700.78  4789.4  700.19
 5582.59  688.89 5781.14  688.29 6026.81  682.26 6065.36  681.78  6742.6  681.78
 6990.59  669.63 7245.75  653.29 7346.37  651.78 7442.11  651.78 7567.21  654.01
 7842.24  685.78 7903.64  691.78 8087.33  675.34 8143.59  675.34 8183.16  674.93
 8315.94  683.09 8396.57  688.88 8526.58  699.44 8765.18  709.89  9156.5  713.56
 9394.12  713.56 9416.53  712.45 9559.84  704.34 9672.53  703.5610539.18  702.28
10876.93 680.3511187.08  656.2211216.04  647.5811372.77  645.3311619.74  660.61
11685.25  665.6 12127.5  705.3512468.36     71012979.35  711.7812988.04  711.86
13171.86 702.5913401.34  687.9213467.23  687.6413590.12  700.1813776.71     720
14149.49     72014206.98  718.6114296.64  717.7414578.84  721.8414773.02  728.53
14846.94     73015279.31     73015821.55  724.6616007.93  716.5116025.14  713.22
16174.65 688.9416373.32  644.9716395.02  643.3616647.85  627.6617089.11  618.47
17203.34 618.2219579.89  618.2219800.62     62020176.55    62020582.72  614.66
20753.91 614.6620847.75  606.4421099.33  598.2221639.98  590.11 21647.4  589.71
21685.33     58021753.65  571.0621841.23  566.84 21928.8  564.9222074.62  576.28
22101.41     58022185.16  640.9222247.24  643.4222454.71  664.37 22518.2  668.91
 22813.8 655.6722892.62  656.5223770.21  704.4324064.46  717.3124509.04  734.99
24770.65  746.44 25008.4  734.4225545.34  705.4925583.54  702.9925871.25  698.74
26026.43 721.4626075.21  729.32 26126.3  729.3226384.61   731.126771.84  725.56
26926.54 726.6227193.56  744.9127712.82  748.4927931.49  742.8928327.75     730
28723.76 715.3628782.88   715.1 29530.5  734.32 29600.7  736.4430680.62  736.44
31061.85  738.22 32568.5  732.8833063.55  734.6633842.52  734.6634797.29  726.44
 34971.7 726.4435342.32  732.7435455.49  734.2635843.82  732.8836275.28  732.88
36840.85     70036846.83  697.8637001.46  633.9237168.99  624.6637194.58  624.98
37311.82  631.02 37805.8  652.1138245.92  682.5338339.52  685.3438791.79  685.86
38944.52 669.5939001.66  669.6639396.78  702.9939898.79  718.7740210.65  728.22
40705.27 731.5741096.16  737.7841329.19  739.3641423.59  739.41 41896.2  736.44
 42521.2     74042880.88  737.8643215.89  744.0943347.92  743.3143420.04  740.68
43527.42 737.4243887.88  728.8444062.21     73044151.34    73045204.27  725.12
45302.54 720.9145528.05  712.2945765.38     70545849.66  701.78 46061.5  701.78
46089.69 702.9146267.43  709.1646552.19  707.8247221.56  688.7847363.32  685.42
47591.71  682.27 47712.9  683.4748258.93  715.1748567.18  730.4249566.91  738.78
 49740.7 740.4650239.16  748.2450375.24  751.1951256.12     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521685.33     .1522101.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      21685.3322101.41             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.12    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            758.96    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1557597.00   78390.73   1147309.00
  E.G. Slope (ft/ft)      0.000313    Area (sq ft)            1557597.00   78390.73   1147309.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5189297.00   450422.60   2363414.00
  Top Width (ft)          47594.01    Top Width (ft)          18763.92     416.08   28414.00
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.33       5.75       2.06
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           83.01     188.40      40.38
  Conv. Total (cfs)       452437200.0    Conv. (cfs)            293364000.0   25463520.0   133609700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18788.12     417.48   28464.24
  Min Ch El (ft)            564.92    Shear (lb/sq ft)            1.62       3.67       0.79
  Alpha                       1.25    Stream Power (lb/ft s)      5.40      21.08       1.62
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13572.77     692.61    9877.76
  C & E Loss (ft)             0.00    Cum SA (acres)            163.58       3.67     249.29


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266672.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.74  764.02 1416.64     760 1927.09     760 2325.21  761.76
 2407.98  761.76 2546.75    770  2756.4     770 2846.29  764.41 3153.74  742.05
 3685.86  724.82 3944.89  717.38 4553.66  702.27 4657.23  700.77 4789.51  700.16
 5582.72  688.86 5781.27  688.23 6026.94  682.23  6065.5  681.76 6742.75  681.76
 6990.74  669.57 7245.91  653.25 7346.53  651.76 7442.28  651.76 7567.37  653.95
 7842.41  685.74 7903.81  691.76 8087.51  675.27 8143.77  675.27 8183.35  674.87
 8316.12  683.07 8396.75  688.88 8526.77  699.45 8765.38   709.9  9156.7  713.51
 9394.33  713.51 9416.74   712.4 9560.05  704.29 9672.75  703.5110539.42  702.25
10877.18  680.2711187.33  656.1411216.29  647.4811373.02  645.2611619.99  660.64
11685.51  665.6512127.76  705.4112468.64     71012979.64  711.7612988.33  711.84
13172.15  702.5113401.64  687.8213467.53  687.5413590.42  700.1213777.01     720
 14149.8     72014207.29  718.6314296.96  717.7914579.17   721.914773.35  728.55
14847.27     73015279.65    730 15821.9  724.7316008.29  716.6916025.49   713.4
16175.01  689.0916373.68  645.0416395.39  643.4316648.22  627.6917089.49  618.49
17203.72  618.2419580.33  618.2419801.06    620   20177    62020583.18  614.73
20754.37  614.7320848.21  606.4921099.79  598.2421640.46  590.1121647.88  589.71
21685.82     58021754.26  571.04   21842  566.8321929.74  564.92 22075.3   576.3
22102.05     58022185.82  641.04 22247.9   643.522455.42  664.3822518.92  668.92
22814.58  655.5922893.42  656.4323771.18  704.3324065.48  717.2524510.15     735
24771.81  746.4925009.61  734.4325546.65  705.4525584.86  702.9625872.63  698.75
26027.84  721.5726076.63  729.4626127.73  729.4626386.09  731.2226773.39  725.61
26928.12  726.6727195.19  744.9727714.56  748.5127933.27  742.8728329.61  729.94
 28725.7  715.2928784.83  715.0329532.59  734.3629602.81  736.4930682.94  736.49
31064.24  738.2432571.19  732.9733066.34  734.7333845.45  734.7334800.42  726.49
34974.86  726.4935345.56   732.835458.74  734.3335847.16  732.9736278.69  732.97
36844.38     70036850.36  697.8537005.02  633.8637172.58  624.7337198.18  625.05
37315.44  631.0837809.52  652.2138249.72   682.538343.34  685.27 38795.7  685.78
38948.45  669.4639005.61  669.5339400.81  702.9539902.91  718.7740214.84  728.24
40709.55  731.6141100.52  737.77 41333.6  739.3641428.01  739.4241900.72  736.49
42525.84     74042885.59  737.8943220.66  744.1743352.73   743.443424.85  740.77
43532.26  737.4943892.79  728.8544067.16     730 44156.3    73045209.44  725.18
45307.73  720.9645533.29  712.3245770.66  704.9945854.95  701.7646066.84  701.76
46095.04  702.8946272.81  709.1746557.62  707.8547227.12  688.8147368.91  685.43
47597.34  682.2447718.56  683.4348264.69  715.13   48573  730.4149572.93  738.78
49746.75  740.4550245.31  748.2350381.42  751.1851262.47     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521685.82     .1522102.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21685.8222102.05             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.12    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            758.96    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1557635.00   78419.87   1146993.00
  E.G. Slope (ft/ft)      0.000313    Area (sq ft)            1557635.00   78419.87   1146993.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5190131.00   450657.70   2362345.00
  Top Width (ft)          47600.46    Top Width (ft)          18764.53     416.23   28419.70
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.33       5.75       2.06
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           83.01     188.40      40.36
  Conv. Total (cfs)       452372300.0    Conv. (cfs)            293369100.0   25473160.0   133530100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18788.79     417.64   28470.07
  Min Ch El (ft)            564.92    Shear (lb/sq ft)            1.62       3.67       0.79
  Alpha                       1.25    Stream Power (lb/ft s)      5.40      21.08       1.62
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13394.34     683.63    9746.35
  C & E Loss (ft)             0.00    Cum SA (acres)            161.43       3.63     246.03


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266667.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.77  764.04 1416.67     760 1927.13     760 2325.26  761.73
 2408.04  761.73 2546.81    770 2756.46     770 2846.35  764.39 3153.81  742.03
 3685.95  724.83 3944.98   717.4 4553.76  702.28 4657.33  700.76 4789.61  700.14
 5582.84  688.83  5781.4  688.16 6027.08   682.2 6065.63  681.73  6742.9  681.73
  6990.9  669.51 7246.07   653.2 7346.69  651.73 7442.44  651.73 7567.54   653.9
 7842.59   685.7 7903.99  691.73 8087.69   675.2 8143.95   675.2 8183.53   674.8
 8316.31  683.05 8396.94  688.88 8526.96  699.45 8765.57   709.9 9156.91  713.47
 9394.53  713.47 9416.95  712.35 9560.26  704.23 9672.96  703.4710539.65  702.22
10877.42  680.1911187.58  656.0611216.54  647.3811373.28  645.1911620.25  660.67
11685.77  665.6912128.03  705.4712468.92     71012979.93  711.7312988.62  711.81
13172.44  702.4413401.94  687.7113467.83  687.4413590.73  700.0613777.32     720
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14150.12     72014207.61  718.6514297.27  717.8414579.49  721.9614773.68  728.57
 14847.6     73015279.99     73015822.25   724.816008.65  716.8716025.85  713.58
16175.37  689.2316374.04  645.1116395.75  643.4916648.59  627.7217089.87  618.51
 17204.1  618.2719580.77  618.27 19801.5     62020177.45     62020583.64   614.8
20754.83   614.820848.68  606.5321100.26  598.2721640.94  590.1121648.36  589.72
 21686.3     58021754.87  571.0321842.77  566.8221930.68  564.9222075.99  576.32
22102.69     58022186.47  641.1622248.57  643.5922456.13  664.3922519.64  668.94
22815.36  655.5222894.21  656.3523772.15  704.2324066.51  717.1824511.27  735.02
24772.97  746.5325010.81  734.4425547.96  705.4125586.18  702.9225874.01  698.77
26029.25  721.6926078.05   729.626129.16   729.626387.56  731.3426774.95  725.67
26929.71  726.7127196.83  745.04 27716.3  748.5327935.06  742.8528331.47  729.89
28727.64  715.2228786.78  714.9629534.69   734.429604.92  736.5330685.26  736.53
31066.64  738.2732573.88  733.0733069.13   734.833848.39   734.834803.55  726.53
34978.02  726.5335348.79  732.87   35462  734.4135850.49  733.0736282.11  733.07
36847.91     70036853.89  697.8537008.58  633.8137176.18   624.837201.78  625.11
37319.06  631.1437813.23   652.338253.53  682.4638347.16   685.238799.61   685.7
38952.39  669.3439009.57   669.439404.84  702.9139907.04  718.7640219.03  728.27
40713.84  731.6441104.89  737.7741338.01  739.3641432.44  739.4241905.24  736.53
42530.48     740 42890.3  737.9243225.45  744.2543357.53  743.4843429.67  740.86
 43537.1  737.57 43897.7  728.87 44072.1     73044161.27     73045214.61  725.24
45312.92  721.0245538.52  712.3645775.94  704.9745860.24  701.7346072.17  701.73
46100.38  702.8646278.18  709.1846563.05  707.8847232.69  688.83 47374.5  685.45
47602.98  682.2147724.22  683.3848270.46  715.0948578.83  730.4149578.96  738.78
49752.81  740.4550251.47  748.2350387.61  751.1651268.83     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .15 21686.3     .1522102.69     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21686.322102.69             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.11    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            758.95    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1557657.00   78449.74   1146654.00
  E.G. Slope (ft/ft)      0.000313    Area (sq ft)            1557657.00   78449.74   1146654.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5190984.00   450905.10   2361244.00
  Top Width (ft)          47607.14    Top Width (ft)          18765.20     416.39   28425.55
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.33       5.75       2.06
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.01     188.41      40.34
  Conv. Total (cfs)       452297100.0    Conv. (cfs)            293368500.0   25482910.0   133445700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18789.51     417.79   28476.05
  Min Ch El (ft)            564.92    Shear (lb/sq ft)            1.62       3.67       0.79
  Alpha                       1.25    Stream Power (lb/ft s)      5.40      21.10       1.62
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13215.90     674.64    9614.97
  C & E Loss (ft)             0.00    Cum SA (acres)            159.28       3.58     242.78


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266662.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1243.79  764.05  1416.7     760 1927.18     760 2325.31  761.71
 2408.09  761.71 2546.86     770 2756.52     770 2846.42  764.37 3153.88     742
 3686.03  724.84 3945.07  717.42 4553.86  702.28 4657.44  700.75 4789.72  700.11
 5582.97   688.8 5781.53   688.1 6027.21  682.17 6065.77  681.71 6743.05  681.71
 6991.05  669.45 7246.23  653.16 7346.86  651.71 7442.61  651.71 7567.71  653.85
 7842.76  685.66 7904.16  691.71 8087.87  675.13 8144.13  675.13 8183.71  674.74
 8316.49  683.03 8397.13  688.87 8527.15  699.46 8765.76   709.9 9157.11  713.42
 9394.74  713.42 9417.16   712.3 9560.47  704.17 9673.17  703.4210539.88  702.19
10877.66   680.111187.83  655.9711216.78  647.2811373.53  645.1211620.51   660.7
11686.03  665.74 12128.3  705.5412469.19     71012980.22  711.7112988.91  711.79
13172.73  702.3613402.24  687.6113468.13  687.3413591.03  700.0113777.63     720
14150.43     72014207.93  718.6614297.59  717.8914579.82  722.0314774.01  728.59
14847.93     73015280.33     730 15822.6  724.87   16009  717.0516026.21  713.76
16175.73  689.3816374.41  645.1716396.12  643.5616648.96  627.7617090.25  618.53
17204.48  618.29 19581.2  618.2919801.94     620 20177.9     620 20584.1  614.87
20755.29  614.8720849.14  606.5821100.73  598.2921641.42  590.1121648.84  589.72
21686.78     58021755.48  571.0121843.54  566.8121931.62  564.9222076.67  576.33
22103.33     58022187.13  641.2722249.24  643.6822456.84  664.4122520.36  668.95
22816.13  655.4422895.01  656.2623773.12  704.1324067.53  717.1224512.38  735.03
24774.14  746.5825012.02  734.4625549.28  705.3725587.51  702.8825875.39  698.79
26030.66  721.8126079.47  729.7426130.59  729.7426389.04  731.45 26776.5  725.73
26931.29  726.7627198.47  745.1127718.04  748.5527936.84  742.8328333.33  729.83
28729.57  715.1528788.73   714.929536.78  734.4529607.03  736.5830687.58  736.58
31069.03  738.2932576.57  733.1633071.92  734.8733851.34  734.8734806.68  726.58
34981.18  726.5835352.03  732.9335465.26  734.4935853.82  733.1636285.53  733.16
36851.43     70036857.42  697.8437012.14  633.7637179.77  624.8737205.38  625.18
37322.68   631.237816.95  652.3938257.33  682.4338350.98  685.1338803.52  685.62
38956.34  669.2139013.52  669.2739408.87  702.8739911.17  718.7640223.22  728.29
40718.13  731.6741109.25  737.7641342.41  739.3541436.87  739.4341909.76  736.58
42535.12     74042895.02  737.9543230.22  744.3343362.33  743.5743434.49  740.95
43541.94  737.6543902.61  728.8944077.04     73044166.23     73045219.77  725.31
 45318.1  721.0845543.75  712.3945781.21  704.9645865.54  701.7146077.51  701.71
46105.71  702.8446283.56  709.1946568.48   707.947238.25  688.8647380.09  685.46
47608.61  682.1847729.88  683.3448276.23  715.0448584.66   730.449584.98  738.77
49758.86  740.4450257.62  748.2250393.79  751.1451275.18     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1521686.78     .1522103.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21686.7822103.33             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.11    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            758.95    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1557698.00   78481.90   1146331.00
  E.G. Slope (ft/ft)      0.000313    Area (sq ft)            1557698.00   78481.90   1146331.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5191824.00   451161.20   2360149.00
  Top Width (ft)          47613.84    Top Width (ft)          18765.90     416.55   28431.38
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.33       5.75       2.06
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  Max Chl Dpth (ft)          194.03    Hydr. Depth (ft)           83.01     188.41      40.32
  Conv. Total (cfs)        452231400.0    Conv. (cfs)            293373300.0    25493680.0   133364400.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18790.27     417.96   28482.00
  Min Ch El (ft)             564.92    Shear (lb/sq ft)            1.62       3.67       0.79
  Alpha                        1.25    Stream Power (lb/ft s)      5.40      21.11       1.62
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    13037.46     665.65    9483.64
  C & E Loss (ft)              0.00    Cum SA (acres)            157.13       3.53     239.52


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266657.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.82  764.06 1416.73     760 1927.22     760 2325.36  761.69
 2408.14  761.69 2546.92     770 2756.58     770 2846.48  764.36 3153.95  741.97
 3686.11  724.86 3945.15  717.44 4553.96  702.29 4657.54  700.74 4789.83  700.08
 5583.09  688.77 5781.66  688.04 6027.35  682.14  6065.9  681.69  6743.2  681.69
 6991.21  669.39 7246.39  653.12 7347.02  651.69 7442.78  651.69 7567.88  653.79
 7842.94  685.62 7904.34  691.69 8088.05  675.06 8144.32  675.06 8183.89  674.67
 8316.68  683.02 8397.31  688.87 8527.34  699.47 8765.96   709.9 9157.32  713.37
 9394.95  713.37 9417.37  712.25 9560.69  704.11 9673.39  703.3710540.12  702.16
 10877.9  680.0211188.08  655.8911217.03  647.1811373.78  645.0511620.77  660.73
11686.29  665.7812128.57   705.612469.47     71012980.51  711.69 12989.2  711.76
13173.03  702.2813402.53  687.5113468.43  687.2413591.33  699.9513777.93     720
14150.75     72014208.24  718.6814297.91  717.9414580.14  722.0914774.34  728.61
14848.26     73015280.67     73015822.95  724.9416009.36  717.2216026.56  713.94
16176.09  689.5216374.77  645.2416396.48  643.6316649.33  627.7917090.63  618.55
17204.87  618.3119581.64  618.3119802.38     62020178.35     62020584.56  614.94
20755.76  614.9420849.61  606.63 21101.2  598.3121641.91  590.1121649.33  589.72
21687.26     58021756.09     57121844.32   566.821932.55  564.9222077.36  576.35
22103.97     58022187.79  641.3922249.91  643.7622457.55  664.4222521.08  668.96
22816.91  655.37 22895.8  656.1823774.08  704.0324068.55  717.0524513.49  735.05
 24775.3  746.6325013.23  734.4725550.59  705.3325588.83  702.8425876.77   698.8
26032.07  721.9326080.89  729.8826132.02  729.8826390.52  731.5726778.06  725.79
26932.88   726.827200.11  745.1727719.78  748.5727938.62  742.8128335.19  729.77
28731.51  715.0828790.68  714.8329538.88  734.4929609.14  736.63 30689.9  736.63
31071.43  738.3132579.26  733.2633074.71  734.9433854.28  734.94 34809.8  726.63
34984.34  726.6335355.26     73335468.52  734.5635857.16  733.2636288.95  733.26
36854.96     70036860.95  697.83 37015.7  633.7137183.36  624.9437208.97  625.24
 37326.3  631.2637820.67  652.4838261.14   682.4 38354.8  685.0638807.43  685.55
38960.28  669.0939017.47  669.1539412.89  702.83 39915.3  718.7640227.41  728.31
40722.41   731.741113.61  737.7641346.82  739.3541441.29  739.4441914.28  736.63
42539.76     74042899.73  737.98   43235   744.443367.14  743.66 43439.3  741.03
43546.78  737.7343907.52   728.944081.98     73044171.19     73045224.94  725.37
45323.29  721.1445548.98  712.4345786.49  704.9445870.83  701.6946082.84  701.69
46111.06  702.8246288.94  709.2146573.92  707.9347243.81  688.8847385.68  685.48
47614.25  682.1547735.54  683.2948281.99     71548590.48   730.4   49591  738.77
49764.92  740.4450263.78  748.2250399.96  751.1351281.54     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521687.26     .1522103.97     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21687.2622103.97             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.11    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             758.95    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                       Flow Area (sq ft)       1557742.00   78512.08   1145973.00
  E.G. Slope (ft/ft)      0.000313     Area (sq ft)            1557742.00   78512.08   1145973.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5192759.00   451405.70   2358969.00
  Top Width (ft)          47620.27     Top Width (ft)          18766.50     416.71   28437.07
  Vel Total (ft/s)            2.88     Avg. Vel. (ft/s)            3.33       5.75       2.06
  Max Chl Dpth (ft)          194.03    Hydr. Depth (ft)           83.01     188.41      40.30
  Conv. Total (cfs)       452160900.0    Conv. (cfs)            293380400.0    25503510.0   133277000.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18790.93     418.12   28487.81
  Min Ch El (ft)             564.92    Shear (lb/sq ft)            1.62       3.67       0.79
  Alpha                        1.25    Stream Power (lb/ft s)      5.40      21.12       1.62
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    12859.02     656.66    9352.34
  C & E Loss (ft)              0.00    Cum SA (acres)            154.98       3.48     236.26


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266652.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.85  764.07 1416.76     760 1927.26     760 2325.42  761.66
  2408.2  761.66 2546.98     770 2756.65     770 2846.54  764.34 3154.02  741.94
 3686.19  724.87 3945.24  717.46 4554.06   702.3 4657.64  700.73 4789.93  700.05
 5583.21  688.73 5781.79  687.98 6027.48  682.11 6066.04  681.66 6743.35  681.66
 6991.37  669.34 7246.55  653.07 7347.18  651.66 7442.94  651.66 7568.05  653.74
 7843.11  685.58 7904.52  691.66 8088.23  674.99  8144.5  674.99 8184.07  674.61
 8316.86     683  8397.5  688.87 8527.53  699.48 8766.16   709.9 9157.52  713.33
 9395.16  713.33 9417.58   712.2  9560.9  704.06 9673.61  703.3310540.35  702.13
10878.14  679.9311188.33  655.8111217.28  647.0811374.04  644.9811621.03  660.76
11686.55  665.8312128.84  705.6612469.75     710 12980.8  711.6612989.48  711.74
13173.32   702.213402.83   687.413468.73  687.1413591.63  699.8913778.24     720
14151.06     72014208.56   718.714298.23     71814580.46  722.1514774.67  728.62
14848.59     73015281.01     73015823.31  725.0116009.71   717.416026.92  714.12
16176.45  689.6716375.14   645.316396.85  643.69 16649.7  627.8217091.01  618.57
17205.25  618.3419582.07  618.3419802.82     620 20178.8     62020585.01  615.01
20756.22  615.0120850.07  606.6721101.67  598.3421642.39  590.1121649.81  589.73
21687.75     580 21756.7  570.9921845.09  566.7821933.49  564.9222078.04  576.37
22104.61     58022188.44  641.5122250.58  643.8522458.26  664.4322521.81  668.98
22817.69  655.29 22896.6  656.0923775.05  703.9224069.58  716.99 24514.6  735.06
24776.46  746.6725014.44  734.4825551.91  705.2825590.15   702.825878.14  698.82
26033.48  722.0526082.31  730.0226133.45  730.02   26392  731.6926779.61  725.85
26934.46  726.8527201.74  745.2427721.52  748.59 27940.4  742.7928337.05  729.71
28733.45  715.0128792.63  714.7629540.97  734.5329611.25  736.6730692.22  736.67
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31073.82  738.3432581.95  733.35 33077.5  735.0133857.22  735.0134812.93  726.67
 34987.5  726.67 35358.5  733.0635471.77  734.6435860.49  733.3536292.36  733.35
36858.49      70036864.48  697.8337019.26  633.6637186.95  625.0137212.57  625.31
37329.92  631.3237824.39  652.5738264.94  682.3638358.63  684.9938811.34  685.47
38964.22  668.9639021.42  669.0239416.92  702.7939919.43  718.75 40231.6  728.34
 40726.7  731.7441117.97  737.7541351.23  739.3541445.72  739.45 41918.8  736.67
42544.41      74042904.44     73843239.78  744.4843371.94  743.7543444.12  741.12
43551.62  737.8143912.43  728.9244086.93     73044176.15     73045230.11  725.44
45328.48   721.245554.21  712.4645791.77  704.9345876.12  701.6646088.18  701.66
 46116.4   702.846294.31  709.2246579.35  707.9647249.38  688.9147391.27   685.5
47619.88  682.12 47741.2  683.2548287.76  714.9648596.31  730.3949597.02  738.77
49770.98  740.4350269.93  748.2150406.15  751.1151287.89     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521687.75     .1522104.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21687.7522104.61             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.11    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.95    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1557771.00   78541.01   1145671.00
  E.G. Slope (ft/ft)      0.000313    Area (sq ft)            1557771.00   78541.01   1145671.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5193541.00   451642.40   2357950.00
  Top Width (ft)          47626.98    Top Width (ft)          18767.21     416.86   28442.92
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.33       5.75       2.06
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.00     188.41      40.28
  Conv. Total (cfs)       452094300.0    Conv. (cfs)            293381400.0   25513130.0   133199800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18791.71     418.27   28493.79
  Min Ch El (ft)            564.92    Shear (lb/sq ft)            1.62       3.67       0.79
  Alpha                       1.25    Stream Power (lb/ft s)      5.41      21.13       1.62
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12680.57     647.67    9221.08
  C & E Loss (ft)             0.00    Cum SA (acres)            152.83       3.44     233.00


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266647.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.88  764.08 1416.79     760 1927.31     760 2325.47  761.64
 2408.25  761.64 2547.03     770 2756.71     770 2846.61  764.33 3154.09  741.92
 3686.27  724.89 3945.33  717.48 4554.17   702.3 4657.75  700.72 4790.04  700.02
 5583.34   688.7 5781.92  687.92 6027.61  682.08 6066.17  681.64  6743.5  681.64
 6991.52  669.28 7246.72  653.03 7347.35  651.64 7443.11  651.64 7568.22  653.69
 7843.28  685.54 7904.69  691.64 8088.41  674.92 8144.68  674.92 8184.26  674.54
 8317.05  682.98 8397.69  688.86 8527.72  699.48 8766.35   709.9 9157.72  713.28
 9395.37  713.28 9417.79  712.15 9561.11     704 9673.82  703.2810540.59   702.1
10878.39  679.8511188.58  655.7311217.53  646.9911374.29  644.9111621.29  660.79
11686.81  665.8712129.11  705.7212470.03     71012981.08  711.6412989.77  711.71
13173.61  702.1213403.13   687.313469.03  687.0413591.94  699.8413778.54     720
14151.38     72014208.88  718.7214298.55  718.0514580.79  722.2114774.99  728.64
14848.92     73015281.35     73015823.66  725.0816010.07  717.5816027.27   714.3
16176.81  689.82 16375.5  645.3716397.21  643.7616650.07  627.8517091.39  618.59
17205.63  618.3619582.51  618.3619803.26     62020179.25     62020585.47  615.08
20756.68  615.0820850.53  606.7221102.14  598.3621642.87  590.1121650.29  589.73
21688.23     58021757.31  570.9721845.87  566.7721934.43  564.9122078.73  576.39
22105.25     580 22189.1  641.6322251.24  643.9422458.97  664.4422522.53  668.99
22818.47  655.2222897.39  656.0123776.01  703.82 24070.6  716.9224515.71  735.08
24777.62  746.7225015.65  734.4925553.22  705.2425591.47  702.7625879.52  698.84
26034.88  722.1726083.72  730.1626134.87  730.1626393.48  731.8126781.17  725.91
26936.04  726.8927203.38  745.3127723.26  748.6127942.18  742.7728338.91  729.66
28735.39  714.9428794.58   714.729543.07  734.5729613.36  736.7230694.54  736.72
31076.22  738.3632584.64  733.4433080.28  735.0833860.16  735.0834816.06  726.72
34990.66  726.7235361.73  733.1335475.03  734.7135863.82  733.4436295.78  733.44
36862.02     700   36868  697.8237022.82  633.6137190.55  625.0837216.17  625.38
37333.54  631.3837828.11  652.6638268.74  682.3338362.45  684.9238815.25  685.39
38968.16  668.8339025.38  668.8939420.95  702.7539923.55  718.7540235.79  728.36
40730.98  731.7741122.34  737.7441355.64  739.3541450.14  739.4541923.32  736.72
42549.05     74042909.15  738.0343244.55  744.5643376.74  743.8443448.94  741.21
43556.46  737.8843917.34  728.9344091.87     73044181.11     73045235.27   725.5
45333.66  721.2645559.44   712.545797.05  704.9145881.42  701.6446093.51  701.64
46121.74  702.7846299.69  709.2346584.78  707.9947254.94  688.9347396.86  685.51
47625.52  682.0947746.86   683.248293.52  714.9248602.14  730.3949603.05  738.76
49777.04  740.4250276.09  748.2150412.33   751.151294.24     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521688.23     .1522105.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21688.2322105.25             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.11    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.95    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1557812.00   78573.21   1145340.00
  E.G. Slope (ft/ft)      0.000313    Area (sq ft)            1557812.00   78573.21   1145340.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5194398.00   451899.60   2356835.00
  Top Width (ft)          47633.39    Top Width (ft)          18767.77     417.02   28448.61
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.33       5.75       2.06
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           83.00     188.42      40.26
  Conv. Total (cfs)       452029200.0    Conv. (cfs)            293387600.0   25523980.0   133117700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18792.33     418.43   28499.60
  Min Ch El (ft)            564.91    Shear (lb/sq ft)            1.62       3.67       0.79
  Alpha                       1.25    Stream Power (lb/ft s)      5.41      21.14       1.62
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12502.12     638.67    9089.86
  C & E Loss (ft)             0.00    Cum SA (acres)            150.68       3.39     229.75


CROSS SECTION
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RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266642.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1243.91  764.09 1416.83     760 1927.35     760 2325.52  761.62
   2408.3  761.62 2547.09     770 2756.77     770 2846.67  764.31 3154.16  741.89
  3686.36   724.9 3945.42  717.51 4554.27  702.31 4657.85  700.71 4790.15     700
  5583.46  688.67 5782.04  687.86 6027.75  682.05 6066.31  681.62 6743.65  681.62
  6991.68  669.22 7246.88  652.99 7347.51  651.62 7443.27  651.62 7568.38  653.64
  7843.46   685.5 7904.87  691.62 8088.59  674.85 8144.86  674.85 8184.44  674.48
  8317.23  682.96 8397.87  688.86 8527.91  699.49 8766.54   709.9 9157.93  713.23
  9395.58  713.23    9418   712.1 9561.33  703.94 9674.04  703.2310540.82  702.07
 10878.63  679.7611188.83  655.6511217.78  646.8911374.54  644.8411621.54  660.82
 11687.07  665.9112129.38  705.78 12470.3     71012981.37  711.6212990.06  711.69
 13173.91  702.0513403.43  687.1913469.33  686.9413592.24  699.7813778.85     720
 14151.69     72014209.19  718.7414298.86   718.114581.11  722.2814775.32  728.66
 14849.25     73015281.69     73015824.01  725.1516010.43  717.7616027.63  714.48
 16177.17  689.9616375.87  645.4416397.58  643.8316650.45  627.8817091.77  618.61
 17206.02  618.3819582.94  618.38 19803.7     620 20179.7     62020585.93  615.15
 20757.14  615.15   20851  606.7721102.61  598.3821643.35  590.1121650.77  589.74
 21688.71     58021757.92  570.9621846.64  566.7621935.36  564.9122079.41  576.41
 22105.88     58022189.75  641.7522251.91  644.0222459.68  664.4622523.25  669.01
 22819.25  655.1422898.18  655.9223776.98  703.7224071.63  716.8624516.82  735.09
 24778.79  746.7725016.86  734.5125554.54   705.225592.79  702.72 25880.9  698.85
 26036.29  722.2826085.14   730.3 26136.3   730.326394.96  731.9226782.72  725.97
 26937.63  726.9327205.02  745.38   27725  748.6327943.97  742.7528340.77   729.6
 28737.32  714.8728796.53  714.6329545.17  734.6129615.46  736.7730696.87  736.77
 31078.62  738.3832587.33  733.5433083.07  735.15 33863.1  735.1534819.19  726.77
 34993.83  726.7735364.96  733.1935478.29  734.7935867.15  733.54 36299.2  733.54
 36865.55     70036871.54  697.8237026.38  633.5637194.14  625.1537219.77  625.44
 37337.16  631.4437831.82  652.7638272.55   682.338366.27  684.8538819.16  685.32
  38972.1  668.7139029.32  668.7739424.98  702.7139927.68  718.7540239.98  728.38
 40735.27   731.8 41126.7  737.7441360.05  739.3541454.57  739.4641927.84  736.77
 42553.69     74042913.86  738.0643249.33  744.6443381.55  743.9343453.76   741.3
 43561.29  737.9643922.25  728.9544096.82     73044186.07     73045240.44  725.57
 45338.85  721.3245564.67  712.5345802.32   704.945886.71  701.6246098.85  701.62
 46127.08  702.7646305.06  709.2446590.21  708.02 47260.5  688.9647402.45  685.53
 47631.15  682.0647752.52  683.1548299.29  714.8748607.96  730.3849609.07  738.76
 49783.09  740.4250282.24   748.250418.51  751.08 51300.6     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1521688.71     .1522105.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21688.7122105.88             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.11    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.95    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1557847.00   78601.61   1144981.00
  E.G. Slope (ft/ft)      0.000314    Area (sq ft)            1557847.00   78601.61   1144981.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5195325.00   452139.50   2355668.00
  Top Width (ft)          47640.10    Top Width (ft)          18768.47     417.17   28454.46
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.33       5.75       2.06
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           83.00     188.42      40.24
  Conv. Total (cfs)       451953300.0    Conv. (cfs)            293390700.0   25533240.0   133029400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18793.10     418.58   28505.59
  Min Ch El (ft)            564.91    Shear (lb/sq ft)            1.62       3.68       0.79
  Alpha                       1.25    Stream Power (lb/ft s)      5.41      21.15       1.62
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12323.66     629.66    8958.68
  C & E Loss (ft)             0.00    Cum SA (acres)            148.53       3.34     226.49


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266637.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1243.93   764.1 1416.86     760 1927.39     760 2325.57  761.59
 2408.36  761.59 2547.15     770 2756.83     770 2846.73  764.29 3154.23  741.86
 3686.44  724.91 3945.51  717.53 4554.37  702.32 4657.95   700.7 4790.25  699.97
 5583.59  688.64 5782.17  687.79 6027.88  682.02 6066.44  681.59  6743.8  681.59
 6991.83  669.16 7247.04  652.94 7347.67  651.59 7443.44  651.59 7568.55  653.58
 7843.63  685.46 7905.04  691.59 8088.77  674.78 8145.04  674.78 8184.62  674.41
 8317.42  682.94 8398.06  688.86  8528.1   699.5 8766.74   709.9 9158.13  713.19
 9395.79  713.19 9418.21  712.05 9561.54  703.89 9674.25  703.1910541.06  702.04
10878.87  679.6811189.08  655.5711218.03  646.7911374.79  644.77 11621.8  660.85
11687.33  665.9612129.65  705.8412470.58     71012981.66  711.5912990.35  711.66
 13174.2  701.9713403.73  687.0913469.63  686.8413592.54  699.7213779.16     720
14152.01     72014209.51  718.7614299.18  718.1514581.44  722.3414775.65  728.68
14849.58     73015282.03     73015824.36  725.2216010.78  717.9316027.99  714.66
16177.53  690.1116376.23   645.516397.94  643.8916650.81  627.9117092.15  618.63
 17206.4  618.4119583.38  618.4119804.14     62020180.14     62020586.39  615.22
 20757.6  615.2220851.46  606.8121103.08  598.4121643.83  590.1121651.25  589.74
21689.19     58021758.53  570.9421847.41  566.75 21936.3  564.91 22080.1  576.42
22106.52     58022190.41  641.8722252.58  644.1122460.38  664.4722523.97  669.02
22820.03  655.0722898.98  655.8323777.95  703.6224072.65  716.7924517.93   735.1
24779.95  746.8125018.07  734.5225555.85  705.1625594.12  702.6825882.28  698.87
 26037.7   722.426086.56  730.4426137.73  730.4426396.44  732.0426784.28  726.02
26939.21  726.9827206.66  745.4427726.73  748.6527945.75  742.7328342.63  729.54
28739.26   714.828798.47  714.5629547.26  734.6529617.57  736.8130699.19  736.81
31081.01  738.4132590.02  733.6333085.86  735.2233866.04  735.2234822.31  726.81
34996.99  726.81 35368.2  733.2635481.54  734.8635870.48  733.6336302.61  733.63
36869.08     70036875.06  697.8137029.94   633.537197.73  625.2237223.36  625.51
37340.78   631.537835.54  652.8538276.35  682.2638370.09  684.7838823.07  685.24
38976.04  668.5839033.28  668.6439429.01  702.6739931.81  718.7440244.16  728.41
40739.55  731.8441131.06  737.7341364.46  739.35   41459  739.4741932.36  736.81
42558.33     74042918.57  738.0943254.11  744.7243386.35  744.0143458.58  741.38
43566.13  738.0443927.15  728.9644101.76     73044191.03     73045245.61  725.63
45344.04  721.38 45569.9  712.57 45807.6  704.8945892.01  701.5946104.18  701.59
46132.42  702.7446310.44  709.2546595.64  708.0547266.07  688.9847408.04  685.54
47636.79  682.0347758.18  683.1148305.05  714.8348613.79  730.3849615.09  738.75
49789.15  740.4150288.39   748.250424.69  751.0751306.95     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521689.19     .1522106.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21689.1922106.52             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.10    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.94    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1557875.00   78633.57   1144688.00
  E.G. Slope (ft/ft)      0.000314    Area (sq ft)            1557875.00   78633.57   1144688.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5196069.00   452392.90   2354671.00
  Top Width (ft)          47646.65    Top Width (ft)          18769.17     417.33   28460.15
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.34       5.75       2.06
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.00     188.42      40.22
  Conv. Total (cfs)       451890100.0    Conv. (cfs)            293391600.0   25543980.0   132954500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18793.86     418.74   28511.40
  Min Ch El (ft)            564.91    Shear (lb/sq ft)            1.62       3.68       0.79
  Alpha                       1.25    Stream Power (lb/ft s)      5.41      21.16       1.62
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12145.20     620.66    8827.53
  C & E Loss (ft)             0.00    Cum SA (acres)            146.38       3.29     223.23


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266632.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.96  764.12 1416.89     760 1927.43     760 2325.62  761.57
 2408.41  761.57  2547.2    770 2756.89     770  2846.8  764.28  3154.3  741.83
 3686.52  724.93 3945.59  717.55 4554.47  702.32 4658.06  700.69 4790.36  699.94
 5583.71  688.61  5782.3  687.73 6028.02  681.99 6066.58  681.57 6743.95  681.57
 6991.99   669.1  7247.2   652.9 7347.84  651.57  7443.6  651.57 7568.72  653.53
 7843.81  685.41 7905.22  691.57 8088.95  674.71 8145.22  674.71  8184.8  674.35
  8317.6  682.92 8398.25  688.86 8528.29   699.5 8766.93  709.91 9158.33  713.14
    9396  713.14 9418.42    712 9561.75  703.83 9674.47  703.1410541.29  702.01
10879.11  679.5911189.33  655.4811218.28  646.6911375.05   644.711622.06  660.88
11687.59     66612129.92   705.912470.86     71012981.95  711.5712990.64  711.64
13174.49  701.8913404.02  686.9813469.93  686.7413592.84  699.6713779.46     720
14152.32     72014209.82  718.77 14299.5   718.214581.76   722.414775.98   728.7
14849.91     73015282.37    73015824.71  725.2916011.14  718.1116028.34  714.84
16177.89  690.2516376.59  645.5716398.31  643.9616651.19  627.9417092.53  618.65
17206.78  618.4319583.81  618.4319804.58     62020180.59     62020586.85  615.29
20758.06  615.2920851.93  606.8621103.55  598.4321644.31  590.1121651.73  589.74
21689.68     58021759.13  570.9321848.19  566.7421937.24  564.9122080.79  576.44
22107.16     58022191.06  641.9922253.25   644.222461.09  664.4822524.69  669.04
22820.81     65522899.77  655.7523778.91  703.5224073.68  716.7324519.04  735.12
24781.11  746.8625019.28  734.5325557.16  705.1225595.44  702.6425883.66  698.89
26039.11  722.5226087.98  730.5926139.16  730.5926397.92  732.1626785.83  726.08
 26940.8  727.0227208.29  745.5127728.47  748.6727947.53  742.7128344.49  729.49
 28741.2  714.7328800.42   714.529549.36  734.6929619.68  736.8630701.51  736.86
31083.41  738.4332592.71  733.7233088.64  735.2933868.98  735.2934825.44  726.86
35000.15  726.8635371.44  733.32 35484.8  734.9435873.82  733.7236306.03  733.72
36872.61     70036878.59   697.8 37033.5  633.4537201.32  625.2937226.96  625.57
 37344.4  631.5637839.26  652.9438280.15  682.2338373.92  684.7138826.98  685.16
38979.98  668.4539037.23  668.5139433.04  702.6339935.94  718.7440248.35  728.43
40743.84  731.8741135.42  737.7241368.86  739.3441463.43  739.4841936.88  736.86
42562.97     74042923.29  738.1243258.89  744.7943391.15   744.143463.39  741.47
43570.97  738.1243932.06  728.98 44106.7     73044195.99     73045250.78  725.69
45349.22  721.4445575.13   712.645812.88  704.87 45897.3  701.5746109.52  701.57
46137.76  702.7246315.82  709.2646601.07  708.0847271.63  689.0147413.63  685.56
47642.43     68247763.83  683.0648310.82  714.7948619.61  730.3749621.11  738.75
 49795.2  740.4150294.55  748.1950430.87  751.05 51313.3     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521689.68     .1522107.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21689.6822107.16             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.10    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.94    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1557927.00   78662.11   1144345.00
  E.G. Slope (ft/ft)      0.000314    Area (sq ft)            1557927.00   78662.11   1144345.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5196997.00   452624.50   2353512.00
  Top Width (ft)          47653.24    Top Width (ft)          18769.77     417.48   28465.99
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.34       5.75       2.06
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.00     188.42      40.20
  Conv. Total (cfs)       451823900.0    Conv. (cfs)            293401000.0   25553310.0   132869600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18794.52     418.89   28517.37
  Min Ch El (ft)            564.91    Shear (lb/sq ft)            1.62       3.68       0.79
  Alpha                       1.25    Stream Power (lb/ft s)      5.42      21.16       1.62
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11966.74     611.65    8696.42
  C & E Loss (ft)             0.00    Cum SA (acres)            144.23       3.24     219.97


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266627.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1243.99  764.13 1416.92     760 1927.48     760 2325.67  761.55
 2408.46  761.55 2547.26    770 2756.95     770 2846.86  764.26 3154.37  741.81
  3686.6  724.94 3945.68  717.57 4554.57  702.33 4658.16  700.68 4790.46  699.91
 5583.83  688.58 5782.43  687.67 6028.15  681.97 6066.71  681.55  6744.1  681.55
 6992.14  669.04 7247.36  652.86    7348  651.55 7443.77  651.55 7568.89  653.48
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 7843.98  685.37  7905.4  691.55 8089.12  674.64  8145.4  674.64 8184.98  674.28
 8317.79   682.9 8398.43  688.85 8528.48  699.51 8767.13  709.91 9158.54  713.09
 9396.21  713.09 9418.63  711.95 9561.96  703.77 9674.68  703.0910541.53  701.98
10879.35  679.5111189.57   655.411218.53  646.59 11375.3  644.6311622.32  660.91
11687.85  666.0512130.19  705.9612471.14     71012982.24  711.5512990.93  711.62
13174.79  701.8113404.32  686.8813470.23  686.6413593.14  699.6113779.77     720
14152.64     72014210.14  718.7914299.82  718.2514582.09  722.4614776.31  728.72
14850.24     73015282.71     73015825.07  725.36 16011.5  718.29 16028.7  715.02
16178.25   690.416376.96  645.6416398.67  644.0316651.55  627.9717092.91  618.67
17207.16  618.4519584.25  618.4519805.02     62020181.04     620 20587.3  615.36
20758.53  615.3620852.39  606.9121104.02  598.4521644.79  590.1121652.21  589.75
21690.16     58021759.75  570.9221848.96  566.7321938.17  564.9122081.47  576.46
 22107.8     58022191.72  642.1122253.92  644.28 22461.8  664.4922525.41  669.05
22821.59  654.9222900.57  655.6623779.88  703.42 24074.7  716.6624520.16  735.13
24782.27  746.9125020.49  734.5525558.48  705.0825596.76   702.625885.04   698.9
26040.52  722.64 26089.4  730.7326140.59  730.7326399.39  732.2726787.39  726.14
26942.38  727.0727209.93  745.5827730.21  748.6927949.31  742.6928346.35  729.43
28743.14  714.6628802.37  714.4329551.45  734.7329621.79  736.9130703.83  736.91
 31085.8  738.45 32595.4  733.8233091.43  735.3633871.92  735.3634828.57  726.91
35003.31  726.9135374.67  733.3935488.05  735.0135877.15  733.8236309.45  733.82
36876.13     70036882.12   697.837037.05   633.437204.91  625.3637230.56  625.64
37348.02  631.6237842.97  653.0338283.96   682.238377.74  684.6438830.89  685.09
38983.92  668.3339041.18  668.3839437.07  702.5939940.06  718.7440252.54  728.45
40748.13   731.941139.79  737.7241373.27  739.3441467.85  739.4941941.39  736.91
42567.61     740   42928  738.1443263.66  744.8743395.96  744.1943468.21  741.56
43575.81   738.243936.97  728.9944111.65     73044200.95     73045255.95  725.76
45354.41   721.545580.36  712.6445818.16  704.8645902.59  701.5546114.86  701.55
 46143.1   702.746321.19  709.2746606.51  708.1147277.19  689.0347419.22  685.57
47648.06  681.9747769.49  683.0248316.59  714.7548625.44  730.3649627.14  738.75
49801.26   740.4 50300.7  748.1950437.05  751.0351319.66     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521690.16     .15 22107.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21690.16 22107.8             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.10    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            758.94    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1557964.00   78692.26   1143996.00
  E.G. Slope (ft/ft)      0.000314    Area (sq ft)            1557964.00   78692.26   1143996.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5197896.00   452870.60   2352366.00
  Top Width (ft)          47659.91    Top Width (ft)          18770.44     417.64   28471.83
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.34       5.75       2.06
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.00     188.42      40.18
  Conv. Total (cfs)       451751800.0    Conv. (cfs)            293405000.0   25563130.0   132783700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18795.25     419.05   28523.33
  Min Ch El (ft)            564.91    Shear (lb/sq ft)            1.62       3.68       0.79
  Alpha                       1.25    Stream Power (lb/ft s)      5.42      21.17       1.62
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   11788.27     602.64    8565.35
  C & E Loss (ft)             0.00    Cum SA (acres)            142.08       3.20     216.70


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266622.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.02  764.14 1416.95     760 1927.52     760 2325.73  761.52
 2408.52  761.52 2547.32    770 2757.01     770 2846.92  764.25 3154.44  741.78
 3686.68  724.95 3945.77  717.59 4554.67  702.34 4658.27  700.67 4790.57  699.88
 5583.96  688.54 5782.56  687.61 6028.28  681.94 6066.85  681.52 6744.25  681.52
  6992.3  668.99 7247.52  652.81 7348.16  651.52 7443.93  651.52 7569.06  653.43
 7844.16  685.33 7905.57  691.52 8089.31  674.57 8145.58  674.57 8185.17  674.22
 8317.97  682.88 8398.62  688.85 8528.67  699.52 8767.33  709.91 9158.74  713.04
 9396.42  713.04 9418.83   711.9 9562.18  703.71  9674.9  703.0410541.76  701.95
 10879.6  679.4211189.82  655.3211218.78  646.4911375.55  644.5611622.58  660.94
11688.11  666.0912130.46  706.0212471.41     71012982.53  711.5212991.22  711.59
13175.08  701.7313404.62  686.7813470.53  686.5413593.45  699.5513780.08     720
14152.95     72014210.46  718.8114300.14   718.314582.41  722.5214776.64  728.74
14850.57     73015283.05     73015825.42  725.4316011.85  718.4716029.06   715.2
16178.61  690.5416377.32   645.716399.04  644.0916651.93     62817093.29  618.69
17207.55  618.4819584.69  618.4819805.46     62020181.49     62020587.76  615.43
20758.99  615.4320852.85  606.9621104.49  598.4821645.28  590.11 21652.7  589.75
21690.64     58021760.36   570.921849.73  566.7221939.11  564.9122082.16  576.48
22108.44     58022192.38  642.2322254.58  644.3722462.51  664.5122526.13  669.07
22822.37  654.8522901.36  655.5823780.85  703.3224075.72   716.624521.27  735.15
24783.44  746.96 25021.7  734.5625559.79  705.0425598.08  702.5625886.41  698.92
26041.93  722.7626090.82  730.8726142.01  730.8726400.88  732.3926788.94   726.2
26943.97  727.1127211.57  745.6427731.95  748.7127951.09  742.6628348.21  729.37
28745.07  714.5928804.32  714.3629553.55  734.77 29623.9  736.9630706.15  736.96
 31088.2  738.48 32598.1  733.9133094.22  735.4333874.86  735.43 34831.7  726.96
35006.47  726.9635377.91  733.4535491.31  735.0935880.48  733.9136312.87  733.91
36879.66     70036885.65  697.7937040.61  633.3537208.51  625.4337234.16  625.71
37351.64  631.6837846.69  653.1238287.76  682.1638381.56  684.57 38834.8  685.01
38987.86   668.239045.13  668.26 39441.1  702.5539944.19  718.7340256.73  728.48
40752.41  731.9341144.15  737.7141377.68  739.3441472.28  739.4941945.91  736.96
42572.25     74042932.71  738.1743268.44  744.9543400.76  744.2843473.03  741.65
43580.65  738.2743941.88  729.0144116.59     73044205.92     73045261.11  725.82
 45359.6  721.5645585.59  712.6745823.43  704.8445907.89  701.5246120.19  701.52
46148.45  702.6846326.57  709.2846611.94  708.1347282.75  689.0647424.81  685.59
 47653.7  681.9447775.15  682.9748322.36   714.748631.27  730.3649633.16  738.74
49807.32  740.3950306.86  748.1850443.23  751.0251326.01     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521690.64     .1522108.44     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21690.6422108.44             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.10    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
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  W.S. Elev (ft)            758.94    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1558004.00   78723.03   1143674.00
  E.G. Slope (ft/ft)      0.000314    Area (sq ft)            1558004.00   78723.03   1143674.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5198740.00   453115.90   2351278.00
  Top Width (ft)          47666.36    Top Width (ft)          18771.04     417.80   28477.52
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.34       5.76       2.06
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.00     188.42      40.16
  Conv. Total (cfs)       451687300.0    Conv. (cfs)            293410700.0   25573320.0   132703300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18795.92     419.21   28529.15
  Min Ch El (ft)            564.91    Shear (lb/sq ft)            1.62       3.68       0.79
  Alpha                       1.25    Stream Power (lb/ft s)      5.42      21.18       1.62
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11609.79     593.62    8434.32
  C & E Loss (ft)             0.00    Cum SA (acres)            139.93       3.15     213.44


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266617.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.04  764.15 1416.98     760 1927.56     760 2325.78   761.5
 2408.57   761.5 2547.37     770 2757.08     770 2846.99  764.23 3154.51  741.75
 3686.77  724.97 3945.86  717.61 4554.77  702.34 4658.37  700.66 4790.68  699.86
 5584.08  688.51 5782.69  687.55 6028.42  681.91 6066.98   681.5  6744.4   681.5
 6992.45  668.93 7247.68  652.77 7348.33   651.5  7444.1   651.5 7569.23  653.37
 7844.33  685.29 7905.75   691.5 8089.48   674.5 8145.76   674.5 8185.35  674.15
 8318.16  682.86 8398.81  688.85 8528.86  699.53 8767.52  709.91 9158.95     713
 9396.62     713 9419.04  711.85 9562.39  703.66 9675.11     70310541.99  701.92
10879.84  679.3411190.07  655.2411219.03  646.3911375.81  644.4911622.84  660.97
11688.37  666.1412130.73  706.0912471.69     71012982.82   711.512991.51  711.57
13175.37  701.6613404.92  686.6713470.83  686.4413593.75   699.513780.38     720
14153.27     72014210.77  718.8314300.46  718.3514582.73  722.5914776.97  728.76
 14850.9     73015283.39     73015825.77   725.516012.21  718.6416029.41  715.38
16178.97  690.6916377.69  645.77 16399.4  644.16 16652.3  628.0317093.67  618.71
17207.93   618.519585.12   618.5 19805.9     62020181.94     62020588.22   615.5
20759.45   615.520853.32     60721104.96   598.521645.76  590.1221653.18  589.75
21691.12     58021760.96  570.8921850.51  566.7121940.05   564.922082.84   576.5
22109.08     58022193.03  642.3522255.25  644.4622463.22  664.5222526.85  669.08
22823.14  654.7722902.16  655.4923781.81  703.2224076.75  716.5324522.38  735.16
 24784.6     74725022.91  734.5725561.11     705 25599.4  702.5225887.79  698.94
26043.34  722.8726092.23  731.0126143.44  731.0126402.35  732.51 26790.5  726.26
26945.55  727.1627213.21  745.7127733.69  748.7327952.88  742.6428350.07  729.32
28747.01  714.5128806.27  714.2929555.64  734.8129626.01     73730708.47     737
31090.59   738.532600.79     73433097.01   735.5 33877.8   735.534834.82     727
35009.64     72735381.14  733.5235494.57  735.1735883.82     73436316.29     734
36883.19     70036889.18  697.7937044.18   633.3 37212.1   625.537237.75  625.77
37355.26  631.7437850.41  653.2138291.57  682.1338385.38   684.538838.71  684.93
 38991.8  668.0839049.09  668.1339445.13  702.5239948.32  718.7340260.92   728.5
 40756.7  731.9741148.51  737.7141382.09  739.34 41476.7   739.541950.43     737
42576.89     74042937.42   738.243273.22  745.0343405.57  744.3743477.85  741.73
43585.49  738.3543946.79  729.0244121.54     73044210.88     73045266.28  725.89
45364.79  721.6245590.83  712.7145828.71  704.8345913.18   701.546125.53   701.5
46153.79  702.6646331.94  709.2946617.37  708.1647288.32  689.08 47430.4   685.6
47659.33  681.9147780.81  682.9348328.12  714.6648637.09  730.3549639.18  738.74
49813.38  740.3950313.01  748.1850449.41     75151332.36     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521691.12     .1522109.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21691.1222109.08              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.10    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.94    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1558024.00   78754.85   1143356.00
  E.G. Slope (ft/ft)      0.000314    Area (sq ft)            1558024.00   78754.85   1143356.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5199528.00   453375.20   2350230.00
  Top Width (ft)          47673.05    Top Width (ft)          18771.73     417.96   28483.36
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.34       5.76       2.06
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           83.00     188.43      40.14
  Conv. Total (cfs)       451616000.0    Conv. (cfs)            293408800.0   25583920.0   132623300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18796.68     419.37   28535.13
  Min Ch El (ft)            564.90    Shear (lb/sq ft)            1.63       3.68       0.79
  Alpha                       1.25    Stream Power (lb/ft s)      5.42      21.20       1.61
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11431.32     584.60    8303.32
  C & E Loss (ft)             0.00    Cum SA (acres)            137.78       3.10     210.18


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266612.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.07  764.16 1417.01     760 1927.61     760 2325.83  761.48
 2408.62  761.48 2547.43     770 2757.14     770 2847.05  764.21 3154.58  741.72
 3686.85  724.98 3945.94  717.63 4554.87  702.35 4658.47  700.65 4790.78  699.83
 5584.21  688.48 5782.82  687.48 6028.55  681.88 6067.12  681.48 6744.55  681.48
 6992.61  668.87 7247.84  652.73 7348.49  651.48 7444.27  651.48 7569.39  653.32
 7844.51  685.25 7905.92  691.48 8089.67  674.43 8145.95  674.43 8185.53  674.09
 8318.34  682.84    8399  688.84 8529.05  699.53 8767.71  709.91 9159.15  712.95
 9396.83  712.95 9419.25   711.8  9562.6   703.6 9675.33  702.9510542.23  701.89
10880.08  679.2611190.32  655.1611219.28  646.2911376.06  644.42 11623.1     661
11688.63  666.18   12131  706.1512471.97     71012983.11  711.48 12991.8  711.54
13175.67  701.5813405.22  686.5713471.12  686.3413594.05  699.4413780.69     720
14153.58     72014211.09  718.8514300.77   718.414583.06  722.6514777.29  728.78
14851.23     73015283.73     73015826.12  725.5716012.56  718.8216029.77  715.56
16179.33  690.8316378.05  645.8316399.77  644.2316652.67  628.0617094.05  618.73
17208.31  618.5219585.56  618.5219806.34     62020182.39     62020588.68  615.57
20759.91  615.5720853.78  607.0521105.43  598.5221646.24  590.1221653.66  589.76
21691.61     58021761.58  570.8821851.28   566.721940.98   564.922083.53  576.51
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22109.72     58022193.69  642.4722255.92  644.5422463.93  664.5322527.57  669.09
22823.92   654.722902.95   655.423782.78  703.1124077.77  716.4724523.49  735.17
24785.76  747.0525024.12  734.5825562.42  704.9525600.72  702.4825889.17  698.95
26044.74  722.9926093.65  731.1526144.87  731.1526403.83  732.6326792.05  726.32
26947.14   727.227214.84  745.7827735.43  748.7527954.66  742.6228351.93  729.26
28748.95  714.4428808.22  714.2329557.74  734.8529628.12  737.0530710.79  737.05
31092.99  738.5232603.48   734.1 33099.8  735.5733880.74  735.5734837.95  727.05
 35012.8  727.0535384.38  733.5835497.82  735.2435887.15   734.1 36319.7   734.1
36886.72     70036892.71  697.7837047.73  633.2537215.69  625.5737241.35  625.84
37358.88   631.837854.12   653.338295.37   682.1 38389.2  684.4338842.63  684.85
38995.74  667.9539053.04     66839449.16  702.4839952.45  718.7340265.11  728.52
40760.98     73241152.87   737.7 41386.5  739.3441481.13  739.5141954.95  737.05
42581.54     74042942.14  738.23   43278   745.143410.37  744.4543482.66  741.82
43590.33  738.43 43951.7  729.0444126.48     73044215.84     73045271.45  725.95
45369.97  721.6845596.06  712.7445833.99  704.8145918.48  701.4846130.86  701.48
46159.12  702.6446337.32   709.3 46622.8  708.1947293.88  689.1147435.99  685.62
47664.96  681.8847786.47  682.8848333.89  714.6248642.92  730.35 49645.2  738.74
49819.43  740.3850319.16  748.1750455.59  750.9951338.72     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521691.61     .1522109.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21691.6122109.72             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.10    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.94    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1558077.00   78784.15   1143018.00
  E.G. Slope (ft/ft)      0.000314    Area (sq ft)            1558077.00   78784.15   1143018.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5200428.00   453612.70   2349093.00
  Top Width (ft)          47679.60    Top Width (ft)          18772.44     418.11   28489.05
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.34       5.76       2.06
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           83.00     188.43      40.12
  Conv. Total (cfs)       451551100.0    Conv. (cfs)            293417400.0   25593640.0   132540000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18797.45     419.52   28540.95
  Min Ch El (ft)            564.90    Shear (lb/sq ft)            1.63       3.68       0.79
  Alpha                       1.25    Stream Power (lb/ft s)      5.43      21.20       1.61
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11252.83     575.58    8172.37
  C & E Loss (ft)             0.00    Cum SA (acres)            135.63       3.05     206.92


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266607.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1244.1  764.17 1417.05     760 1927.65     760 2325.88  761.45
 2408.68  761.45 2547.49     770  2757.2     770 2847.11   764.2 3154.65   741.7
 3686.93  724.99 3946.03  717.65 4554.98  702.36 4658.58  700.64 4790.89   699.8
 5584.33  688.45 5782.94  687.42 6028.69  681.85 6067.25  681.45  6744.7  681.45
 6992.76  668.81 7248.01  652.68 7348.65  651.45 7444.43  651.45 7569.56  653.27
 7844.68  685.21  7906.1  691.45 8089.84  674.36 8146.13  674.36 8185.71  674.02
 8318.53  682.82 8399.18  688.84 8529.24  699.54 8767.91  709.91 9159.35   712.9
 9397.04   712.9 9419.46  711.75 9562.81  703.54 9675.54   702.910542.46  701.86
10880.32  679.1711190.57  655.0711219.53  646.1911376.31  644.3511623.35  661.03
11688.89  666.2312131.27  706.2112472.25     71012983.39  711.4512992.08  711.52
13175.96   701.513405.52  686.4613471.42  686.2313594.35  699.39   13781     720
 14153.9     720 14211.4  718.8714301.09  718.4514583.38  722.7114777.62   728.8
14851.56     73015284.07     73015826.47  725.6416012.92     71916030.13  715.74
16179.69  690.9816378.42   645.916400.13  644.2916653.04  628.0917094.43  618.75
 17208.7  618.5519585.99  618.5519806.78     62020182.84     62020589.13  615.64
20760.37  615.6420854.24   607.1 21105.9  598.5521646.72  590.1221654.14  589.76
21692.09     58021762.19  570.8621852.05  566.6821941.92   564.922084.21  576.53
22110.36     58022194.34  642.5922256.59  644.6322464.63  664.5422528.29  669.11
 22824.7  654.6222903.75  655.3223783.74  703.01 24078.8  716.41 24524.6  735.19
24786.92   747.125025.32   734.625563.74  704.9125602.04  702.4425890.55  698.97
26046.15  723.1126095.07  731.29 26146.3  731.2926405.31  732.7426793.61  726.37
26948.72  727.2527216.48  745.8527737.17  748.7727956.44   742.628353.79   729.2
28750.88  714.3728810.17  714.1629559.83  734.8929630.23   737.130713.11   737.1
31095.38  738.5532606.17  734.1933102.59  735.6433883.68  735.6434841.08   727.1
35015.96   727.135387.61  733.6435501.08  735.3235890.48  734.1936323.12  734.19
36890.25     70036896.24  697.7737051.29  633.1937219.29  625.6437244.95   625.9
 37362.5  631.8637857.84   653.438299.17  682.0638393.03  684.3638846.54  684.78
38999.68  667.8239056.99  667.8839453.19  702.4439956.57  718.72 40269.3  728.55
40765.27  732.0341157.23  737.69 41390.9  739.3341485.55  739.5241959.47   737.1
42586.18     74042946.85  738.2643282.78  745.1843415.17  744.5443487.48  741.91
43595.17  738.5143956.61  729.0544131.42     730 44220.8     73045276.61  726.02
45375.16  721.7445601.29  712.7845839.27   704.845923.77  701.45 46136.2  701.45
46164.47  702.62 46342.7  709.3246628.23  708.2247299.44  689.1347441.58  685.63
 47670.6  681.8547792.13  682.8348339.65  714.5848648.75  730.3449651.23  738.73
49825.49  740.3850325.32  748.1750461.78  750.9751345.07     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521692.09     .1522110.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21692.0922110.36             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.10    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.93    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1558107.00   78815.80   1142672.00
  E.G. Slope (ft/ft)      0.000314    Area (sq ft)            1558107.00   78815.80   1142672.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5201309.00   453873.80   2347950.00
  Top Width (ft)          47686.17    Top Width (ft)          18773.00     418.27   28494.90
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.34       5.76       2.05
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.00     188.43      40.10
  Conv. Total (cfs)       451479300.0    Conv. (cfs)            293420500.0   25604300.0   132454500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18798.08     419.68   28546.93
  Min Ch El (ft)            564.90    Shear (lb/sq ft)            1.63       3.68       0.79
  Alpha                       1.25    Stream Power (lb/ft s)      5.43      21.22       1.61
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11074.35     566.55    8041.45
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  C & E Loss (ft)             0.00    Cum SA (acres)            133.48       3.01     203.65


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266602.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.13  764.18 1417.08     760 1927.69     760 2325.93  761.43
 2408.73  761.43 2547.54     770 2757.26     770 2847.18  764.18 3154.72  741.67
 3687.01  725.01 3946.12  717.67 4555.08  702.36 4658.68  700.63    4791  699.77
 5584.46  688.42 5783.07  687.36 6028.82  681.82 6067.39  681.43 6744.85  681.43
 6992.92  668.75 7248.17  652.64 7348.82  651.43  7444.6  651.43 7569.73  653.22
 7844.85  685.17 7906.27  691.43 8090.02  674.29 8146.31  674.29 8185.89  673.96
 8318.71   682.8 8399.37  688.84 8529.43  699.55  8768.1  709.91 9159.56  712.86
 9397.25  712.86 9419.67   711.7 9563.03  703.49 9675.76  702.86 10542.7  701.83
10880.56  679.0911190.82  654.9911219.78  646.0911376.57  644.2811623.61  661.06
11689.15  666.2712131.54  706.2712472.52     71012983.68  711.4312992.37  711.49
13176.25  701.4213405.81  686.3613471.72  686.1313594.66  699.33 13781.3     720
14154.21     72014211.72  718.8814301.41   718.514583.71  722.7714777.95  728.82
14851.89     73015284.41     73015826.83  725.7116013.28  719.1716030.48  715.92
16180.05  691.1216378.78  645.9716400.49  644.3616653.41  628.1217094.81  618.77
17209.08  618.5719586.43  618.5719807.22     62020183.29     62020589.59  615.71
20760.84  615.7120854.71  607.1421106.37  598.57 21647.2  590.1221654.62  589.77
21692.57     58021762.79  570.8521852.83  566.6721942.86   564.9 22084.9  576.55
   22111     580   22195  642.7122257.26  644.7222465.34  664.5522529.02  669.12
22825.48  654.5522904.54  655.2323784.71  702.9124079.82  716.3424525.71   735.2
24788.09  747.1425026.53  734.6125565.05  704.8725603.37   702.425891.93  698.99
26047.56  723.2326096.49  731.4326147.73  731.4326406.79  732.8626795.16  726.43
26950.31  727.2927218.12  745.9127738.91  748.7927958.22  742.5828355.65  729.14
28752.82   714.328812.12  714.0929561.93  734.9429632.34  737.1430715.43  737.14
31097.78  738.5732608.86  734.2933105.38  735.7133886.62  735.7134844.21  727.14
35019.12  727.1435390.84  733.7135504.34  735.3935893.82  734.2936326.54  734.29
36893.77     70036899.77  697.7737054.86  633.1437222.88  625.7137248.55  625.97
37366.12  631.9237861.56  653.4938302.98  682.0338396.85  684.2938850.45   684.7
39003.62   667.739060.94  667.7539457.21   702.4 39960.7  718.7240273.48  728.57
40769.55  732.07 41161.6  737.6941395.31  739.3341489.98  739.5241963.99  737.14
42590.82     74042951.56  738.2843287.55  745.2643419.98  744.63 43492.3     742
   43600  738.5943961.52  729.0744136.37     73044225.76     73045281.78  726.08
45380.34   721.845606.52  712.8145844.54  704.7945929.07  701.4346141.53  701.43
46169.81   702.646348.07  709.3346633.66  708.25   47305  689.1647447.18  685.65
47676.24  681.8247797.79  682.7948345.42  714.5448654.57  730.3449657.25  738.73
49831.54  740.3750331.47  748.1650467.96  750.9651351.43     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521692.57     .15   22111     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21692.57   22111             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.93    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1558146.00   78846.23   1142344.00
  E.G. Slope (ft/ft)      0.000314    Area (sq ft)            1558146.00   78846.23   1142344.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5202157.00   454118.00   2346858.00
  Top Width (ft)          47692.72    Top Width (ft)          18773.70     418.43   28500.59
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.34       5.76       2.05
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.00     188.43      40.08
  Conv. Total (cfs)       451412000.0    Conv. (cfs)            293424600.0   25614260.0   132373100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18798.85     419.84   28552.75
  Min Ch El (ft)            564.90    Shear (lb/sq ft)            1.63       3.69       0.79
  Alpha                       1.25    Stream Power (lb/ft s)      5.43      21.23       1.61
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10895.86     557.52    7910.57
  C & E Loss (ft)             0.00    Cum SA (acres)            131.32       2.96     200.39


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266597.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.15   764.2 1417.11     760 1927.73     760 2325.98  761.41
 2408.79  761.41  2547.6     770 2757.32     770 2847.24  764.17 3154.79  741.64
 3687.09  725.02 3946.21  717.69 4555.18  702.37 4658.78  700.62  4791.1  699.75
 5584.58  688.39  5783.2   687.3 6028.96  681.79 6067.52  681.41    6745  681.41
 6993.08   668.7 7248.33   652.6 7348.98  651.41 7444.76  651.41  7569.9  653.16
 7845.03  685.13 7906.45  691.41  8090.2  674.22 8146.49  674.22 8186.08  673.89
  8318.9  682.78 8399.56  688.83 8529.62  699.56  8768.3  709.92 9159.76  712.81
 9397.46  712.81 9419.88  711.65 9563.24  703.43 9675.97  702.8110542.93   701.8
10880.81     67911191.07  654.9111220.03  645.9911376.82  644.2111623.87  661.09
11689.41  666.3112131.81  706.33 12472.8     71012983.97  711.4112992.66  711.47
13176.54  701.3413406.11  686.2513472.02  686.0313594.96  699.2713781.61     720
14154.53     72014212.04   718.914301.73  718.5514584.03  722.8414778.28  728.84
14852.22     73015284.75     73015827.18  725.7816013.63  719.3516030.84   716.1
16180.41  691.2716379.14  646.0316400.86  644.4316653.78  628.1617095.19  618.79
17209.46  618.5919586.86  618.5919807.67     62020183.74     62020590.05  615.78
 20761.3  615.7820855.17  607.1921106.84  598.5921647.68  590.12 21655.1  589.77
21693.05     580 21763.4  570.83 21853.6  566.6621943.79   564.922085.58  576.57
22111.64     58022195.65  642.8322257.92   644.822466.05  664.5722529.74  669.14
22826.26  654.4722905.33  655.1523785.68  702.8124080.84  716.2824526.82  735.22
24789.25  747.1925027.74  734.6225566.37  704.8325604.69  702.36 25893.3     699
26048.97  723.3526097.91  731.5726149.16  731.5726408.27  732.9826796.71  726.49
26951.89  727.3327219.76  745.9827740.65  748.81   27960  742.5628357.51  729.09
28754.76  714.2328814.06  714.0329564.03  734.9829634.45  737.1930717.75  737.19
31100.18  738.5932611.55  734.3833108.16  735.7833889.56  735.7834847.34  727.19
35022.29  727.1935394.08  733.7735507.59  735.4735897.15  734.3836329.95  734.38
 36897.3     700 36903.3  697.7637058.41  633.0937226.47  625.7837252.14  626.04
37369.75  631.9837865.28  653.5838306.78     68238400.67  684.2238854.36  684.62
39007.56  667.5739064.89  667.6239461.25  702.3639964.83  718.7140277.67  728.59
40773.84   732.141165.96  737.6841399.72  739.3341494.41  739.5341968.51  737.19
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42595.46     74042956.27  738.3143292.33  745.3443424.78  744.7243497.12  742.08
43604.84  738.6643966.43  729.0844141.31     73044230.72     73045286.95  726.14
45385.53  721.8645611.75  712.8545849.82  704.7745934.36  701.4146146.87  701.41
46175.15  702.5846353.45  709.34 46639.1  708.2847310.57  689.1847452.77  685.67
47681.87  681.7947803.45  682.7448351.19  714.49 48660.4  730.3349663.27  738.73
 49837.6  740.3650337.63  748.1650474.14  750.9451357.78     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521693.05     .1522111.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21693.0522111.64             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.93    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1558182.00   78877.29   1142018.00
  E.G. Slope (ft/ft)      0.000314    Area (sq ft)            1558182.00   78877.29   1142018.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5203006.00   454367.00   2345761.00
  Top Width (ft)          47699.31    Top Width (ft)          18774.29     418.59   28506.43
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.34       5.76       2.05
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           83.00     188.44      40.06
  Conv. Total (cfs)       451345400.0    Conv. (cfs)            293429200.0   25624520.0   132291700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18799.51     420.00   28558.73
  Min Ch El (ft)            564.90    Shear (lb/sq ft)            1.63       3.69       0.78
  Alpha                       1.25    Stream Power (lb/ft s)      5.43      21.23       1.61
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10717.36     548.48    7779.73
  C & E Loss (ft)             0.00    Cum SA (acres)            129.17       2.91     197.12


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266592.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.18  764.21 1417.14     760 1927.78     760 2326.04  761.38
 2408.84  761.38 2547.66     770 2757.38     770  2847.3  764.15 3154.86  741.62
 3687.18  725.04  3946.3  717.71 4555.28  702.37 4658.89  700.61 4791.21  699.72
  5584.7  688.35 5783.33  687.24 6029.09  681.76 6067.66  681.38 6745.15  681.38
 6993.23  668.64 7248.49  652.55 7349.14  651.38 7444.93  651.38 7570.07  653.11
  7845.2  685.09 7906.63  691.38 8090.38  674.15 8146.67  674.15 8186.26  673.83
 8319.08  682.76 8399.74  688.83 8529.81  699.56  8768.5  709.92 9159.96  712.76
 9397.67  712.76 9420.09   711.6 9563.45  703.37 9676.19  702.7610543.17  701.77
10881.05  678.9211191.32  654.8311220.28  645.8911377.07  644.1411624.13  661.12
11689.67  666.3612132.08  706.3912473.08     71012984.26  711.3812992.95  711.44
13176.84  701.2613406.41  686.1513472.32  685.9313595.26  699.2213781.92     720
14154.84     72014212.35  718.9214302.04   718.614584.36   722.914778.61  728.86
14852.55     73015285.09     73015827.53  725.8516013.99  719.53 16031.2  716.28
16180.77  691.4216379.51   646.116401.22  644.4916654.15  628.1917095.57  618.81
17209.84  618.62 19587.3  618.6219808.11     62020184.18     62020590.51  615.85
20761.76  615.8520855.63  607.24 21107.3  598.6221648.16  590.1221655.59  589.77
21693.54     58021764.02  570.8221854.37  566.6521944.73   564.922086.27  576.58
22112.28     58022196.31  642.9522258.59  644.8922466.76  664.5822530.46  669.15
22827.04   654.422906.13  655.0623786.64  702.7124081.87  716.2124527.93  735.23
24790.41  747.2425028.95  734.6325567.68  704.7925606.01  702.3225894.68  699.02
26050.38  723.4626099.32  731.7126150.58  731.7126409.75  733.0926798.27  726.55
26953.48  727.3827221.39  746.0527742.39  748.8327961.79  742.5428359.37  729.03
 28756.7  714.1628816.01  713.9629566.12  735.0229636.56  737.2430720.07  737.24
31102.57  738.6232614.24  734.4733110.95  735.85 33892.5  735.8534850.46  727.24
35025.45  727.2435397.31  733.8435510.85  735.5435900.48  734.4736333.37  734.47
36900.83     70036906.83  697.7637061.97  633.0437230.06  625.8537255.74   626.1
37373.36  632.04   37869  653.6738310.58  681.9638404.49  684.1538858.27  684.55
 39011.5  667.4439068.84   667.539465.27  702.3239968.96  718.7140281.86  728.62
40778.12  732.1341170.32  737.6741404.12  739.3341498.84  739.5441973.03  737.24
42600.11     74042960.98  738.3443297.11  745.4143429.58  744.8143501.94  742.17
43609.68  738.7443971.34   729.144146.25     73044235.68     73045292.12  726.21
45390.72  721.9245616.98  712.88 45855.1  704.7645939.65  701.38 46152.2  701.38
46180.49  702.5646358.82  709.3546644.53  708.3147316.13  689.2147458.36  685.68
47687.51  681.7647809.11   682.748356.95  714.4548666.23  730.3349669.29  738.72
49843.66  740.3650343.78  748.1550480.32  750.9251364.13     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521693.54     .1522112.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21693.5422112.28             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.93    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1558214.00   78906.68   1141675.00
  E.G. Slope (ft/ft)      0.000315    Area (sq ft)            1558214.00   78906.68   1141675.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5203883.00   454613.60   2344637.00
  Top Width (ft)          47705.98    Top Width (ft)          18774.97     418.74   28512.27
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.34       5.76       2.05
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.99     188.44      40.04
  Conv. Total (cfs)       451272600.0    Conv. (cfs)            293431300.0   25634300.0   132207100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18800.25     420.15   28564.70
  Min Ch El (ft)            564.90    Shear (lb/sq ft)            1.63       3.69       0.78
  Alpha                       1.25    Stream Power (lb/ft s)      5.43      21.25       1.61
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10538.86     539.45    7648.92
  C & E Loss (ft)             0.00    Cum SA (acres)            127.02       2.86     193.86


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266587.*

INPUT
Description:
Station Elevation Data    num=     174
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.21  764.22 1417.17     760 1927.82     760 2326.09  761.36
 2408.89  761.36 2547.71    770 2757.44     770 2847.37  764.14 3154.93  741.59
 3687.26  725.05 3946.38  717.74 4555.38  702.38 4658.99   700.6 4791.32  699.69
 5584.83  688.32 5783.46  687.17 6029.22  681.73 6067.79  681.36  6745.3  681.36
 6993.39  668.58 7248.65  652.51 7349.31  651.36 7445.09  651.36 7570.24  653.06
 7845.38  685.05  7906.8  691.36 8090.56  674.08 8146.85  674.08 8186.44  673.76
 8319.27  682.74 8399.93  688.83    8530  699.57 8768.69  709.92 9160.17  712.72
 9397.88  712.72  9420.3  711.55 9563.67  703.31  9676.4  702.72 10543.4  701.74
10881.29  678.8311191.56  654.7511220.53  645.7911377.33  644.0711624.39  661.15
11689.93   666.412132.35  706.4512473.35     71012984.55  711.3612993.24  711.42
13177.13  701.1913406.71  686.0513472.62  685.8313595.56  699.1613782.22     720
14155.16     72014212.67  718.9414302.36  718.6514584.68  722.9614778.94  728.88
14852.88     73015285.43     73015827.88  725.9216014.34  719.7116031.55  716.46
16181.13  691.5616379.87  646.1616401.59  644.5616654.52  628.2217095.95  618.83
17210.22  618.6419587.73  618.6419808.55     62020184.63     62020590.97  615.92
20762.22  615.92 20856.1  607.2821107.78  598.6421648.64  590.1221656.07  589.78
21694.02     58021764.62  570.8121855.15  566.6421945.67   564.922086.96   576.6
22112.92     58022196.96  643.0722259.26  644.9822467.47  664.5922531.18  669.17
22827.82  654.3222906.92  654.9823787.61  702.6124082.89  716.1524529.04  735.25
24791.57  747.2825030.16  734.6525568.99  704.7525607.33  702.2925896.06  699.04
26051.79  723.5826100.74  731.8526152.01  731.8526411.23  733.2126799.82  726.61
26955.06  727.4227223.03  746.1127744.13  748.8527963.57  742.5228361.23  728.97
28758.63  714.0928817.96  713.8929568.21  735.0629638.67  737.2830722.39  737.28
31104.97  738.6432616.93  734.5733113.74  735.9233895.45  735.9234853.59  727.28
35028.61  727.2835400.55   733.935514.11  735.6235903.82  734.5736336.79  734.57
36904.36     70036910.36  697.7537065.53  632.9937233.66  625.9237259.34  626.17
37376.98   632.137872.71  653.7638314.39  681.9338408.31  684.0838862.18  684.47
39015.45  667.3239072.79  667.37 39469.3  702.2839973.09  718.7140286.05  728.64
40782.41  732.1741174.68  737.6741408.54  739.3341503.26  739.5541977.55  737.28
42604.75     740 42965.7  738.3743301.89  745.4943434.39  744.8943506.75  742.26
43614.52  738.8243976.25  729.11 44151.2     73044240.64     73045297.29  726.27
 45395.9  721.9845622.21  712.9245860.38  704.7445944.95  701.3646157.54  701.36
46185.83  702.54 46364.2  709.3646649.96  708.33 47321.7  689.2347463.95   685.7
47693.14  681.7347814.77  682.6548362.72  714.4148672.05  730.3249675.32  738.72
49849.71  740.3550349.94  748.15 50486.5  750.9151370.48     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521694.02     .1522112.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21694.0222112.92              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.09    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            758.93    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)        1558252.00   78937.15   1141345.00
  E.G. Slope (ft/ft)      0.000315    Area (sq ft)             1558252.00   78937.15   1141345.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5204739.00   454857.50   2343537.00
  Top Width (ft)          47712.41    Top Width (ft)           18775.56     418.90   28517.96
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)             3.34       5.76       2.05
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)            82.99     188.44      40.02
  Conv. Total (cfs)       451206200.0    Conv. (cfs)            293436400.0   25644270.0   132125600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         18800.91     420.31   28570.52
  Min Ch El (ft)            564.90    Shear (lb/sq ft)             1.63       3.69       0.78
  Alpha                       1.25    Stream Power (lb/ft s)       5.44      21.26       1.61
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     10360.36     530.41    7518.16
  C & E Loss (ft)             0.00    Cum SA (acres)             124.87       2.81     190.59


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266582.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.24  764.23  1417.2     760 1927.86     760 2326.14  761.33
 2408.95  761.33 2547.77    770  2757.5     770 2847.43  764.12    3155  741.56
 3687.34  725.06 3946.47  717.76 4555.48  702.39 4659.09  700.59 4791.42  699.66
 5584.95  688.29 5783.59  687.11 6029.36   681.7 6067.93  681.33 6745.45  681.33
 6993.54  668.52 7248.81  652.47 7349.47  651.33 7445.26  651.33  7570.4     653
 7845.55  685.01 7906.98  691.33 8090.74     674 8147.03     674 8186.62   673.7
 8319.45  682.72 8400.12  688.82 8530.19  699.58 8768.88  709.92 9160.37  712.67
 9398.09  712.67 9420.51   711.5 9563.88  703.26 9676.62  702.6710543.64  701.71
10881.53  678.7511191.81  654.6711220.78  645.6911377.58     64411624.65  661.18
11690.19  666.4512132.62  706.5112473.63     71012984.84  711.3312993.53   711.4
13177.42  701.1113407.01  685.9413472.92  685.7313595.87   699.113782.53     720
14155.47     72014212.98  718.9614302.68   718.7   14585  723.0214779.27   728.9
14853.21     73015285.77     73015828.23     726 16014.7  719.8816031.91  716.64
16181.49  691.7116380.24  646.2316401.95  644.6216654.89  628.2517096.33  618.85
17210.61  618.6719588.17  618.6719808.99     62020185.08     62020591.42     616
20762.68     61620856.56  607.3321108.24  598.6721649.13  590.1221656.55  589.78
 21694.5     58021765.23  570.7921855.92  566.63 21946.6  564.8922087.64  576.62
22113.56     58022197.62  643.1922259.93  645.0622468.18   664.6 22531.9  669.18
 22828.6  654.2522907.72  654.8923788.58  702.5124083.92  716.0824530.16  735.26
24792.74  747.3325031.37  734.6625570.31  704.7125608.65  702.2525897.44  699.05
 26053.2   723.726102.16  731.9926153.44  731.9926412.71  733.3326801.38  726.67
26956.65  727.4727224.67  746.1827745.87  748.8727965.35   742.528363.09  728.92
28760.57  714.0228819.91  713.8229570.31   735.129640.78  737.3330724.71  737.33
31107.36  738.6732619.62  734.6633116.52     73633898.39     73634856.72  727.33
35031.77  727.3335403.78  733.9735517.36  735.6935907.15  734.6636340.21  734.66
36907.89     70036913.89  697.7437069.09  632.9437237.25     62637262.94  626.23
37380.61  632.1637876.43  653.8538318.19   681.938412.14     68438866.09  684.39
39019.39  667.1939076.75  667.2439473.33  702.2439977.21   718.740290.24  728.67
 40786.7   732.241179.05  737.6641412.94  739.3341507.69  739.5641982.07  737.33
42609.39     74042970.41   738.443306.66  745.5743439.19  744.9843511.57  742.35
43619.36   738.943981.16  729.1344156.14     73044245.61     73045302.45  726.34
45401.09  722.0445627.44  712.9545865.66  704.7345950.24  701.3346162.88  701.33
46191.17  702.5246369.57  709.3746655.39  708.3647327.26  689.2647469.54  685.71
47698.78   681.747820.43  682.6148368.48  714.3748677.88  730.3149681.34  738.72
49855.77  740.3550356.09  748.1450492.68  750.8951376.84     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21694.5     .1522113.56     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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       21694.522113.56             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.93    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1558277.00   78969.42   1140990.00
  E.G. Slope (ft/ft)      0.000315    Area (sq ft)            1558277.00   78969.42   1140990.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5205614.00   455127.30   2342392.00
  Top Width (ft)          47719.11    Top Width (ft)          18776.26     419.06   28523.79
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.34       5.76       2.05
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           82.99     188.44      40.00
  Conv. Total (cfs)       451130100.0    Conv. (cfs)            293436200.0   25655150.0   132038700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18801.68     420.48   28576.49
  Min Ch El (ft)            564.89    Shear (lb/sq ft)            1.63       3.69       0.78
  Alpha                       1.25    Stream Power (lb/ft s)      5.44      21.27       1.61
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10181.85     521.36    7387.43
  C & E Loss (ft)             0.00    Cum SA (acres)            122.72       2.77     187.32


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266577.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.27  764.24 1417.24     760 1927.91     760 2326.19  761.31
    2409  761.31 2547.83     770 2757.57     770 2847.49   764.1 3155.07  741.53
 3687.42  725.08 3946.56  717.78 4555.58  702.39  4659.2  700.58 4791.53  699.63
 5585.08  688.26 5783.72  687.05 6029.49  681.67 6068.06  681.31  6745.6  681.31
  6993.7  668.46 7248.97  652.42 7349.63  651.31 7445.42  651.31 7570.57  652.95
 7845.73  684.97 7907.15  691.31 8090.92  673.93 8147.21  673.93 8186.81  673.63
 8319.64   682.7  8400.3  688.82 8530.38  699.59 8769.08  709.92 9160.58  712.62
  9398.3  712.62 9420.72  711.45 9564.09   703.2 9676.83  702.6210543.87  701.68
10881.77  678.6611192.06  654.5811221.03  645.5911377.83  643.9311624.91  661.21
11690.45  666.4912132.89  706.5712473.91     71012985.13  711.3112993.82  711.37
13177.72  701.03 13407.3  685.8413473.22  685.6313596.17  699.0513782.84     720
14155.79     720 14213.3  718.98   14303  718.7514585.33  723.0814779.59  728.92
14853.54     73015286.11     73015828.59  726.0716015.06  720.0616032.27  716.82
16181.85  691.85 16380.6   646.316402.32  644.6916655.26  628.2817096.71  618.87
17210.99  618.6919588.61  618.6919809.43     62020185.53     62020591.88  616.07
20763.14  616.0720857.03  607.3821108.71  598.6921649.61  590.1221657.03  589.79
21694.98     58021765.84  570.7821856.69  566.6221947.54  564.8922088.33  576.64
 22114.2     58022198.28  643.31 22260.6  645.1522468.89  664.6222532.62  669.19
22829.38  654.1822908.51   654.823789.54   702.424084.94  716.0224531.27  735.27
 24793.9  747.3825032.58  734.6725571.62  704.6625609.98  702.2125898.82  699.07
26054.61  723.8226103.58  732.1326154.87  732.1326414.18  733.4426802.93  726.73
26958.24  727.51 27226.3  746.2527747.61  748.8927967.13  742.4828364.95  728.86
28762.51  713.9528821.86  713.7629572.41  735.1429642.88  737.3830727.04  737.38
31109.76  738.6932622.31  734.7533119.31  736.0733901.32  736.0734859.85  727.38
35034.93  727.3835407.02  734.0335520.62  735.7735910.48  734.7536343.62  734.75
36911.41     70036917.42  697.7437072.65  632.8937240.84  626.0737266.53   626.3
37384.23  632.2237880.15  653.9438321.99  681.8638415.96  683.93   38870  684.31
39023.32  667.07 39080.7  667.1139477.36   702.239981.34   718.740294.43  728.69
40790.98  732.2341183.41  737.6541417.35  739.3241512.11  739.5641986.58  737.38
42614.03     74042975.12  738.4343311.44  745.6543443.99  745.0743516.39  742.43
 43624.2  738.9843986.07  729.1444161.08     73044250.57     73045307.62   726.4
45406.28   722.145632.68  712.9945870.93  704.7245955.54  701.3146168.21  701.31
46196.51   702.546374.95  709.3846660.82  708.3947332.82  689.2847475.13  685.73
47704.41  681.6747826.08  682.5648374.25  714.3248683.71  730.3149687.36  738.71
49861.83  740.3450362.25  748.1450498.86  750.8851383.19     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521694.98     .15 22114.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21694.98 22114.2             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.92    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1558329.00   78999.50   1140679.00
  E.G. Slope (ft/ft)      0.000315    Area (sq ft)            1558329.00   78999.50   1140679.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5206454.00   455362.30   2341318.00
  Top Width (ft)          47725.66    Top Width (ft)          18776.96     419.22   28529.48
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.34       5.76       2.05
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.99     188.44      39.98
  Conv. Total (cfs)       451070200.0    Conv. (cfs)            293444600.0   25665000.0   131960600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18802.45     420.63   28582.32
  Min Ch El (ft)            564.89    Shear (lb/sq ft)            1.63       3.69       0.78
  Alpha                       1.25    Stream Power (lb/ft s)      5.44      21.28       1.61
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10003.34     512.31    7256.74
  C & E Loss (ft)             0.00    Cum SA (acres)            120.57       2.72     184.06


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266572.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.29  764.25 1417.27     760 1927.95     760 2326.24  761.29
 2409.05  761.29 2547.88     770 2757.63     770 2847.56  764.09 3155.14  741.51
  3687.5  725.09 3946.65   717.8 4555.68   702.4  4659.3  700.57 4791.64  699.61
  5585.2  688.23 5783.84  686.99 6029.63  681.64  6068.2  681.29 6745.75  681.29
 6993.85  668.41 7249.13  652.38  7349.8  651.29 7445.59  651.29 7570.74   652.9
  7845.9  684.93 7907.33  691.29  8091.1  673.86  8147.4  673.86 8186.99  673.57
 8319.82  682.68 8400.49  688.82 8530.57  699.59 8769.28  709.92 9160.78  712.58
  9398.5  712.58 9420.93   711.4  9564.3  703.14 9677.05  702.58 10544.1  701.65
10882.02  678.5811192.31   654.511221.28  645.4911378.08  643.8611625.16  661.24
11690.71  666.5412133.16  706.6412474.19     71012985.42  711.2912994.11  711.35
13178.01  700.95 13407.6  685.7313473.52  685.5313596.47  698.9913783.14     720
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 14156.1     72014213.62  718.9914303.32   718.814585.65  723.1514779.92  728.93
14853.87     73015286.45     73015828.94  726.1416015.41  720.2416032.62     717
16182.21     69216380.97  646.3616402.68  644.7616655.63  628.3117097.09  618.89
17211.37  618.7119589.04  618.7119809.87     62020185.98     62020592.34  616.14
20763.61  616.1420857.49  607.4221109.18  598.7121650.09  590.1221657.51  589.79
21695.46     58021766.46  570.7621857.46  566.6121948.48  564.8922089.01  576.66
22114.84     58022198.93  643.4322261.26  645.24 22469.6  664.6322533.34  669.21
22830.16   654.122909.31  654.7223790.51   702.324085.96  715.9524532.38  735.29
24795.06  747.4225033.79  734.6825572.94  704.62 25611.3  702.17 25900.2  699.09
26056.01  723.94   26105  732.27 26156.3  732.2726415.66  733.5626804.49  726.78
26959.82  727.5627227.94  746.3127749.34  748.9127968.91  742.4628366.81   728.8
28764.45  713.8828823.81  713.69 29574.5  735.1829644.99  737.4230729.36  737.42
31112.15  738.71   32625  734.85 33122.1  736.1433904.27  736.1434862.97  727.42
35038.09  727.4235410.25   734.135523.88  735.8535913.81  734.8536347.04  734.85
36914.95     70036920.95  697.7337076.21  632.8337244.43  626.1437270.13  626.37
37387.85  632.2837883.87  654.04 38325.8  681.8338419.78  683.8638873.91  684.24
39027.27  666.9439084.65  666.9939481.39  702.1639985.47   718.740298.62  728.71
40795.27  732.2641187.77  737.6541421.76  739.3241516.54  739.57 41991.1  737.42
42618.67     74042979.83  738.4543316.22  745.73 43448.8  745.1643521.21  742.52
43629.04  739.0643990.98  729.1644166.03     73044255.53     73045312.79  726.47
45411.46  722.1645637.91  713.0245876.21   704.745960.83  701.2946173.54  701.29
46201.86  702.4846380.32  709.3946666.25  708.4247338.38  689.3147480.72  685.74
47710.05  681.6447831.74  682.5148380.02  714.2848689.54   730.349693.39  738.71
49867.88  740.33 50368.4  748.1350505.04  750.8651389.55     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521695.46     .1522114.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21695.4622114.84             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.08    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            758.92    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1558349.00   79030.63   1140349.00
  E.G. Slope (ft/ft)      0.000315    Area (sq ft)            1558349.00   79030.63   1140349.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5207281.00   455617.60   2340235.00
  Top Width (ft)          47732.21    Top Width (ft)          18777.51     419.38   28535.32
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.34       5.77       2.05
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.99     188.45      39.96
  Conv. Total (cfs)       450998500.0    Conv. (cfs)            293444600.0   25675300.0   131878700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18803.07     420.80   28588.29
  Min Ch El (ft)            564.89    Shear (lb/sq ft)            1.63       3.69       0.78
  Alpha                       1.25    Stream Power (lb/ft s)      5.44      21.29       1.61
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9824.83     503.26    7126.09
  C & E Loss (ft)             0.00    Cum SA (acres)            118.42       2.67     180.79


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266567.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.32  764.26  1417.3     760 1927.99     760 2326.29  761.26
 2409.11  761.26 2547.94     770 2757.69     770 2847.62  764.07 3155.21  741.48
 3687.59   725.1 3946.73  717.82 4555.79  702.41 4659.41  700.56 4791.74  699.58
 5585.33   688.2 5783.97  686.93 6029.76  681.61 6068.33  681.26  6745.9  681.26
 6994.01  668.35  7249.3  652.34 7349.96  651.26 7445.76  651.26 7570.91  652.85
 7846.08  684.89  7907.5  691.26 8091.28  673.79 8147.58  673.79 8187.17   673.5
 8320.01  682.66 8400.68  688.81 8530.76   699.6 8769.47  709.92 9160.98  712.53
 9398.71  712.53 9421.14  711.35 9564.52  703.09 9677.26  702.5310544.34  701.62
10882.26   678.511192.56  654.4211221.53  645.3911378.34  643.7911625.42  661.27
11690.97  666.5812133.43   706.712474.46     71012985.71  711.26 12994.4  711.32
 13178.3  700.87 13407.9  685.6313473.82  685.4313596.77  698.9313783.45     720
14156.41     72014213.93  719.0114303.63  718.8514585.98  723.2114780.25  728.95
 14854.2     73015286.79     73015829.29  726.2116015.77  720.4216032.98  717.18
16182.57  692.1416381.33  646.4316403.05  644.82   16656  628.3417097.47  618.91
17211.76  618.7419589.48  618.7419810.31     62020186.43     620 20592.8  616.21
20764.07  616.2120857.96  607.4721109.65  598.7421650.57  590.1221657.99  589.79
21695.95     58021767.06  570.7521858.24   566.621949.41  564.89 22089.7  576.67
22115.47     58022199.59  643.5522261.93  645.32 22470.3  664.6422534.06  669.22
22830.94  654.03 22910.1  654.6323791.48   702.224086.99  715.8924533.49   735.3
24796.22  747.47   25035   734.725574.25  704.5825612.62  702.1325901.57   699.1
26057.42  724.0626106.42  732.4126157.72  732.4126417.14  733.6826806.04  726.84
26961.41   727.627229.58  746.3827751.08  748.93 27970.7  742.4428368.67  728.75
28766.38  713.8128825.76  713.62 29576.6  735.22 29647.1  737.4730731.68  737.47
31114.55  738.74 32627.7  734.9433124.89  736.2133907.21  736.21 34866.1  727.47
35041.25  727.4735413.48  734.1635527.14  735.9235917.14  734.9436350.46  734.94
36918.47     70036924.48  697.7237079.77  632.7837248.03  626.2137273.73  626.43
37391.47  632.3437887.58  654.13 38329.6   681.8 38423.6  683.7938877.82  684.16
39031.21  666.81 39088.6  666.8639485.42  702.1239989.59  718.69 40302.8  728.74
40799.55   732.341192.13  737.6441426.17  739.3241520.97  739.5841995.62  737.47
42623.31     74042984.54  738.48   43321   745.8 43453.6  745.2543526.02  742.61
43633.88  739.1343995.89  729.1844170.97     73044260.49     73045317.95  726.53
45416.65  722.2245643.14  713.0645881.49  704.6945966.12  701.2646178.88  701.26
 46207.2  702.46 46385.7   709.446671.69  708.4547343.95  689.3347486.31  685.76
47715.68  681.61 47837.4  682.4748385.78  714.2448695.36   730.349699.41  738.71
49873.94  740.3350374.55  748.1350511.22  750.85 51395.9     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521695.95     .1522115.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21695.9522115.47             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.08    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            758.92    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1558384.00   79058.71   1139998.00
  E.G. Slope (ft/ft)      0.000315    Area (sq ft)            1558384.00   79058.71   1139998.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5208179.00   455858.20   2339097.00
  Top Width (ft)          47738.77    Top Width (ft)          18778.22     419.52   28541.03
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.34       5.77       2.05
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  Max Chl Dpth (ft)          194.03    Hydr. Depth (ft)           82.99     188.45      39.94
  Conv. Total (cfs)        450925000.0    Conv. (cfs)            293447300.0    25684670.0   131793000.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18803.85     420.94   28594.14
  Min Ch El (ft)             564.89    Shear (lb/sq ft)            1.63       3.69       0.78
  Alpha                        1.25    Stream Power (lb/ft s)      5.45      21.30       1.61
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)     9646.31     494.21    6995.48
  C & E Loss (ft)              0.00    Cum SA (acres)            116.27       2.62     177.52


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266562.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.35  764.28 1417.33     760 1928.03     760 2326.35  761.24
 2409.16  761.24    2548     770 2757.75     770 2847.68  764.06 3155.28  741.45
 3687.67  725.12 3946.82  717.84 4555.89  702.41 4659.51  700.55 4791.85  699.55
 5585.45  688.16  5784.1  686.87 6029.89  681.58 6068.47  681.24 6746.05  681.24
 6994.16  668.29 7249.46  652.29 7350.12  651.24 7445.92  651.24 7571.08  652.79
 7846.25  684.85 7907.68  691.24 8091.46  673.72 8147.76  673.72 8187.35  673.44
 8320.19  682.64 8400.86  688.81 8530.95  699.61 8769.67  709.93 9161.19  712.48
 9398.92  712.48 9421.35   711.3 9564.73  703.03 9677.48  702.4810544.57  701.59
 10882.5  678.4111192.81  654.3411221.78  645.2911378.59  643.7211625.68   661.3
11691.23  666.63 12133.7  706.7612474.74     71012985.99  711.2412994.69   711.3
13178.59   700.8 13408.2  685.5313474.12  685.3313597.08  698.8813783.76     720
14156.73     72014214.25  719.0314303.95   718.9 14586.3  723.2714780.58  728.97
14854.53     73015287.13     73015829.64  726.2816016.12  720.5916033.33  717.36
16182.93  692.2916381.69  646.4916403.41  644.8916656.37  628.3717097.85  618.93
17212.14  618.7619589.91  618.7619810.75     62020186.88     62020593.26  616.28
20764.53  616.2820858.42  607.5221110.12  598.7621651.05  590.1221658.47   589.8
21696.43     58021767.67  570.7421859.01  566.5921950.35  564.8922090.38  576.69
22116.12     58022200.24  643.67 22262.6  645.4122471.01  664.6522534.79  669.24
22831.71  653.9522910.89  654.5523792.44   702.124088.01  715.82 24534.6  735.32
24797.39  747.5225036.21  734.7125575.56  704.5425613.94  702.0925902.95  699.12
26058.83  724.1726107.83  732.5526159.15  732.5526418.62   733.8 26807.6   726.9
26962.99  727.6527231.22  746.4527752.82  748.9527972.48  742.4228370.53  728.69
28768.32  713.7428827.71  713.5629578.69  735.2629649.21  737.52   30734  737.52
31116.95  738.7632630.39  735.0433127.68  736.2833910.15  736.2834869.23  727.52
35044.42  727.5235416.72  734.2335530.39     73635920.48  735.0436353.88  735.04
   36922     700   36928  697.7237083.33  632.7337251.62  626.2837277.32   626.5
37395.09   632.4 37891.3  654.2238333.41  681.7638427.43  683.7238881.73  684.08
39035.15  666.6939092.55  666.7339489.45  702.0839993.72  718.69   40307  728.76
40803.84  732.33 41196.5  737.6441430.57  739.3241525.39  739.5942000.14  737.52
42627.95     74042989.26  738.5143325.78  745.8843458.41  745.3343530.84   742.7
43638.71  739.21 44000.8  729.1944175.91     73044265.45     73045323.12  726.59
45421.84  722.2845648.37  713.0945886.77  704.6745971.42  701.2446184.21  701.24
46212.54  702.4446391.08  709.4246677.12  708.4847349.51  689.36 47491.9  685.77
47721.32  681.5847843.06  682.4248391.55   714.248701.19  730.2949705.43   738.7
   49880  740.3250380.71  748.1250517.41  750.8351402.25     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521696.43     .1522116.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21696.4322116.12             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             758.92    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                       Flow Area (sq ft)       1558431.00   79090.54   1139645.00
  E.G. Slope (ft/ft)       0.000315    Area (sq ft)            1558431.00   79090.54   1139645.00
  Q Total (cfs)            8003133.00    Flow (cfs)             5209103.00   456111.30   2337919.00
  Top Width (ft)           47745.36    Top Width (ft)          18778.81     419.69   28546.86
  Vel Total (ft/s)             2.88    Avg. Vel. (ft/s)            3.34       5.77       2.05
  Max Chl Dpth (ft)          194.03    Hydr. Depth (ft)           82.99     188.45      39.92
  Conv. Total (cfs)        450857100.0    Conv. (cfs)            293455200.0    25695070.0   131706800.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18804.51     421.11   28600.11
  Min Ch El (ft)             564.89    Shear (lb/sq ft)            1.63       3.69       0.78
  Alpha                        1.25    Stream Power (lb/ft s)      5.45      21.31       1.61
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)     9467.79     485.15    6864.91
  C & E Loss (ft)              0.00    Cum SA (acres)            114.12       2.57     174.25


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266557.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.38  764.29 1417.36     760 1928.08     760  2326.4  761.22
 2409.21  761.22 2548.05     770 2757.81     770 2847.75  764.04 3155.35  741.42
 3687.75  725.13 3946.91  717.86 4555.99  702.42 4659.61  700.53 4791.96  699.52
 5585.57  688.13 5784.23   686.8 6030.03  681.55  6068.6  681.22  6746.2  681.22
 6994.32  668.23 7249.62  652.25 7350.29  651.22 7446.09  651.22 7571.25  652.74
 7846.43  684.81 7907.86  691.22 8091.64  673.65 8147.94  673.65 8187.53  673.37
 8320.38  682.62 8401.05  688.81 8531.14  699.62 8769.86  709.93 9161.39  712.44
 9399.13  712.44 9421.56  711.25 9564.94  702.97 9677.69  702.4410544.81  701.56
10882.74  678.3311193.06  654.2611222.02  645.1911378.84  643.6511625.94  661.33
11691.49  666.6712133.97  706.8212475.02     71012986.28  711.2212994.97  711.27
13178.89  700.72 13408.5  685.4213474.42  685.2313597.38  698.8213784.06     720
14157.04     72014214.56  719.0514304.27  718.9614586.63  723.3314780.91  728.99
14854.86     73015287.47     73015829.99  726.3516016.48  720.7716033.69  717.54
16183.29  692.4316382.06  646.5616403.78  644.9616656.74   628.417098.23  618.95
17212.52  618.7819590.35  618.7819811.19     62020187.33     62020593.71  616.35
20764.99  616.3520858.88  607.5621110.59  598.7821651.53  590.1221658.96   589.8
21696.91     58021768.29  570.7221859.79  566.5721951.29  564.8922091.07  576.71
22116.75     580 22200.9  643.7822263.27   645.522471.72  664.6722535.51  669.25
22832.49  653.8822911.69  654.4623793.41     70224089.04  715.7624535.71  735.33
24798.55  747.5625037.41  734.7225576.88   704.525615.26  702.0525904.33  699.14
26060.24  724.2926109.25  732.6926160.58  732.69 26420.1  733.9126809.15  726.96
26964.58  727.6927232.85  746.5227754.56  748.9727974.26   742.428372.39  728.63
28770.26  713.6728829.66  713.4929580.79   735.329651.32  737.5630736.32  737.56
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31119.34  738.7832633.08  735.1333130.46  736.3533913.09  736.3534872.36  727.56
35047.58  727.5635419.95  734.2935533.65  736.0735923.81  735.1336357.29  735.13
36925.53     70036931.54  697.7137086.89  632.6837255.21  626.3537280.92  626.56
37398.71  632.4637895.02  654.3138337.21  681.7338431.25  683.6538885.64  684.01
39039.09  666.56 39096.5  666.6139493.48  702.0439997.85  718.6940311.18  728.78
40808.12  732.3641200.86  737.6341434.98  739.3241529.82  739.5942004.66  737.56
42632.59     74042993.97  738.5443330.55  745.9643463.21  745.4243535.66  742.78
43643.55  739.29 44005.7  729.2144180.86     73044270.41     73045328.29  726.66
45427.02  722.33 45653.6  713.1345892.04  704.6645976.71  701.2246189.55  701.22
46217.88  702.4246396.45  709.4346682.55  708.5147355.07  689.3847497.49  685.79
47726.96  681.5547848.72  682.3848397.32  714.1648707.01  730.2949711.45   738.7
49886.05  740.3150386.86  748.1250523.59  750.8151408.61     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521696.91     .1522116.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21696.9122116.75             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.92    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1558473.00   79120.91   1139338.00
  E.G. Slope (ft/ft)      0.000315    Area (sq ft)            1558473.00   79120.91   1139338.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5209915.00   456356.40   2336862.00
  Top Width (ft)          47752.06    Top Width (ft)          18779.50     419.84   28552.71
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.34       5.77       2.05
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.99     188.46      39.90
  Conv. Total (cfs)       450795100.0    Conv. (cfs)            293460600.0   25705340.0   131629200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18805.27     421.26   28606.09
  Min Ch El (ft)            564.89    Shear (lb/sq ft)            1.63       3.70       0.78
  Alpha                       1.25    Stream Power (lb/ft s)      5.45      21.32       1.61
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9289.26     476.09    6734.37
  C & E Loss (ft)             0.00    Cum SA (acres)            111.97       2.53     170.98


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266552.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1244.4   764.3 1417.39     760 1928.12     760 2326.45  761.19
 2409.27  761.19 2548.11     770 2757.87     770 2847.81  764.02 3155.42   741.4
 3687.83  725.15    3947  717.88 4556.09  702.43 4659.72  700.52 4792.06  699.49
  5585.7   688.1 5784.36  686.74 6030.16  681.52 6068.74  681.19 6746.35  681.19
 6994.48  668.17 7249.78  652.21 7350.45  651.19 7446.25  651.19 7571.41  652.69
  7846.6  684.77 7908.03  691.19 8091.82  673.58 8148.12  673.58 8187.72  673.31
 8320.56   682.6 8401.24   688.8 8531.33  699.62 8770.05  709.93 9161.59  712.39
 9399.34  712.39 9421.77   711.2 9565.15  702.91 9677.91  702.3910545.04  701.53
10882.98  678.2411193.31  654.1711222.27  645.09 11379.1  643.58 11626.2  661.36
11691.75  666.7112134.24  706.88 12475.3     71012986.57  711.1912995.26  711.25
13179.18  700.6413408.79  685.3213474.72  685.1313597.68  698.7613784.37     720
14157.36     72014214.88  719.0714304.59  719.0114586.95   723.414781.24  729.01
14855.19     73015287.81     73015830.35  726.4216016.84  720.9516034.05  717.72
16183.65  692.5816382.42  646.6316404.14  645.0216657.11  628.4317098.61  618.97
 17212.9  618.8119590.79  618.8119811.63     62020187.78     62020594.17  616.42
20765.45  616.4220859.35  607.6121111.06  598.8121652.02  590.1221659.44   589.8
21697.39     58021768.89  570.7121860.56  566.5621952.22  564.8822091.75  576.73
22117.39     58022201.56   643.922263.94  645.5822472.43  664.6822536.23  669.27
22833.27   653.822912.48  654.3823794.38   701.924090.06  715.6924536.82  735.35
24799.71  747.6125038.62  734.7325578.19  704.4625616.59  702.0125905.71  699.15
26061.65  724.4126110.67  732.8326162.01  732.8326421.58  734.0326810.71  727.02
26966.16  727.7327234.49  746.58 27756.3  748.9927976.04  742.3828374.25  728.58
 28772.2   713.628831.61  713.4229582.88  735.3429653.43  737.6130738.64  737.61
31121.74  738.8132635.77  735.2233133.25  736.4233916.03  736.4234875.48  727.61
35050.74  727.6135423.19  734.3635536.91  736.1535927.14  735.2236360.71  735.22
36929.06     70036935.06  697.7137090.45  632.63 37258.8  626.4237284.52  626.63
37402.33  632.5237898.73   654.438341.01   681.738435.07  683.5838889.55  683.93
39043.03  666.4439100.46  666.4839497.51     70240001.98  718.6840315.37  728.81
40812.41   732.441205.22  737.6241439.39  739.3141534.25   739.642009.18  737.61
42637.24     74042998.68  738.5743335.33  746.0443468.01  745.5143540.48  742.87
43648.39  739.3744010.61  729.22 44185.8     73044275.37     73045333.46  726.72
45432.21  722.3945658.83  713.1645897.32  704.64   45982  701.1946194.89  701.19
46223.22   702.446401.83  709.4446687.98  708.5447360.63  689.4147503.08   685.8
47732.59  681.5247854.38  682.3348403.08  714.1148712.84  730.2849717.48   738.7
49892.11  740.3150393.02  748.1150529.77   750.851414.96     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521697.39     .1522117.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21697.3922117.39             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.92    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1558500.00   79152.50   1139000.00
  E.G. Slope (ft/ft)      0.000315    Area (sq ft)            1558500.00   79152.50   1139000.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5210756.00   456616.10   2335761.00
  Top Width (ft)          47758.57    Top Width (ft)          18780.17     420.00   28558.40
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.34       5.77       2.05
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           82.99     188.46      39.88
  Conv. Total (cfs)       450723500.0    Conv. (cfs)            293461300.0   25715880.0   131546300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18806.00     421.42   28611.91
  Min Ch El (ft)            564.88    Shear (lb/sq ft)            1.63       3.70       0.78
  Alpha                       1.25    Stream Power (lb/ft s)      5.45      21.33       1.61
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9110.73     467.02    6603.88
  C & E Loss (ft)             0.00    Cum SA (acres)            109.81       2.48     167.71


CROSS SECTION
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RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266547.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1244.43  764.31 1417.42     760 1928.16     760  2326.5  761.17
 2409.32  761.17 2548.17     770 2757.93     770 2847.87  764.01 3155.49  741.37
 3687.91  725.16 3947.09   717.9 4556.19  702.43 4659.82  700.51 4792.17  699.47
 5585.82  688.07 5784.49  686.68  6030.3  681.49 6068.87  681.17  6746.5  681.17
 6994.63  668.12 7249.94  652.16 7350.61  651.17 7446.42  651.17 7571.58  652.64
 7846.77  684.73 7908.21  691.17    8092  673.51  8148.3  673.51  8187.9  673.24
 8320.75  682.58 8401.42   688.8 8531.52  699.63 8770.25  709.93  9161.8  712.34
 9399.55  712.34 9421.98  711.15 9565.37  702.86 9678.12  702.3410545.28   701.5
10883.23  678.1611193.56  654.0911222.52  644.9911379.35  643.5111626.46  661.39
11692.01  666.7612134.51  706.9412475.57     71012986.86  711.1712995.55  711.22
13179.47  700.5613409.09  685.2113475.02  685.0313597.98  698.7113784.67     720
14157.67     720 14215.2  719.0914304.91  719.0614587.28  723.4614781.57  729.03
14855.52     73015288.15     730 15830.7  726.4916017.19  721.13 16034.4   717.9
16184.01  692.7316382.79  646.6916404.51  645.0916657.48  628.4617098.99  618.99
17213.29  618.8319591.22  618.8319812.07     62020188.22     62020594.63  616.49
20765.91  616.4920859.81  607.6621111.53  598.83 21652.5  590.1221659.92  589.81
21697.88     580 21769.5  570.6921861.33  566.5521953.16  564.8822092.44  576.75
22118.03     58022202.21  644.02 22264.6  645.6722473.14  664.6922536.95  669.28
22834.05  653.7322913.28  654.2923795.34   701.824091.09  715.6324537.94  735.36
24800.87  747.6625039.83  734.7525579.51  704.4225617.91  701.9725907.09  699.17
26063.06  724.5326112.09  732.9726163.44  732.9726423.06  734.1526812.26  727.08
26967.75  727.7827236.13  746.6527758.04  749.0127977.82  742.3628376.11  728.52
28774.13  713.5328833.55  713.3529584.98  735.3829655.54  737.6630740.96  737.66
31124.13  738.8332638.46  735.3233136.04  736.4933918.97  736.4934878.61  727.66
 35053.9  727.6635426.42  734.4235540.16  736.2235930.48  735.3236364.13  735.32
36932.59     70036938.59   697.737094.01  632.58 37262.4  626.4937288.12   626.7
37405.95  632.5837902.45  654.4938344.82  681.6638438.89  683.5138893.46  683.85
39046.97  666.3139104.41  666.3539501.54  701.9640006.11  718.6840319.56  728.83
 40816.7  732.4341209.58  737.62 41443.8  739.3141538.68  739.61 42013.7  737.66
42641.88     74043003.39  738.5943340.11  746.1143472.82   745.6 43545.3  742.96
43653.23  739.4544015.52  729.2444190.75     73044280.33     73045338.62  726.79
 45437.4  722.4545664.06   713.2 45902.6  704.63 45987.3  701.1746200.22  701.17
46228.56  702.38 46407.2  709.4546693.41  708.56 47366.2  689.4347508.67  685.82
47738.23  681.4947860.04  682.2948408.85  714.0748718.67  730.28 49723.5  738.69
49898.16   740.350399.17  748.1150535.95  750.7851421.32     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1521697.88     .1522118.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21697.8822118.03             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.91    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1558541.00   79181.69   1138647.00
  E.G. Slope (ft/ft)      0.000315    Area (sq ft)            1558541.00   79181.69   1138647.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5211675.00   456860.30   2334598.00
  Top Width (ft)          47765.16    Top Width (ft)          18780.78     420.15   28564.24
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.34       5.77       2.05
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.99     188.46      39.86
  Conv. Total (cfs)       450652800.0    Conv. (cfs)            293467000.0   25725590.0   131460200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18806.68     421.57   28617.89
  Min Ch El (ft)            564.88    Shear (lb/sq ft)            1.63       3.70       0.78
  Alpha                       1.25    Stream Power (lb/ft s)      5.46      21.34       1.61
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8932.19     457.95    6473.42
  C & E Loss (ft)             0.00    Cum SA (acres)            107.66       2.43     164.43


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266542.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1244.46  764.32 1417.46     760 1928.21     760 2326.55  761.15
 2409.38  761.15 2548.22     770    2758     770 2847.94  763.99 3155.56  741.34
    3688  725.17 3947.17  717.92 4556.29  702.44 4659.92   700.5 4792.28  699.44
 5585.95  688.04 5784.62  686.62 6030.43  681.46 6069.01  681.15 6746.65  681.15
 6994.79  668.06  7250.1  652.12 7350.78  651.15 7446.58  651.15 7571.75  652.58
 7846.95  684.69 7908.38  691.15 8092.18  673.44 8148.48  673.44 8188.08  673.18
 8320.93  682.56 8401.61   688.8 8531.71  699.64 8770.45  709.93    9162   712.3
 9399.76   712.3 9422.19   711.1 9565.58   702.8 9678.34   702.310545.51  701.47
10883.47  678.07 11193.8  654.0111222.77  644.89 11379.6  643.4411626.71  661.42
11692.27   666.812134.78     70712475.85     71012987.15  711.1512995.84   711.2
13179.77  700.4813409.39  685.1113475.32  684.9313598.29  698.6513784.98     720
14157.99     72014215.51   719.114305.23  719.11 14587.6  723.52 14781.9  729.05
14855.85     73015288.49     73015831.05  726.5616017.55   721.316034.76  718.08
16184.37  692.8716383.15  646.7616404.87  645.1616657.85  628.4917099.37  619.01
17213.67  618.8519591.66  618.8519812.51     62020188.67     62020595.09  616.56
20766.38  616.5620860.27   607.7   21112  598.8521652.98  590.12 21660.4  589.81
21698.36     58021770.11  570.6821862.11  566.54 21954.1  564.8822093.12  576.76
22118.67     58022202.87  644.1422265.27  645.7622473.85   664.722537.67   669.3
22834.83  653.6522914.07   654.223796.31   701.724092.11  715.5624539.05  735.37
24802.04   747.725041.04  734.7625580.82  704.3825619.23  701.9325908.47  699.19
26064.47  724.6526113.51  733.1126164.87  733.1126424.54  734.2626813.82  727.13
26969.33  727.8227237.77  746.7227759.78  749.0327979.61  742.3428377.96  728.46
28776.07  713.46 28835.5  713.2929587.07  735.4329657.65   737.730743.28   737.7
31126.53  738.8532641.15  735.4133138.83  736.5633921.91  736.5634881.74   727.7
35057.07   727.735429.66  734.4935543.42   736.335933.81  735.4136367.55  735.41
36936.11     70036942.12  697.6937097.57  632.5237265.99  626.5637291.71  626.76
37409.57  632.6437906.17  654.5938348.62  681.6338442.71  683.4438897.38  683.78
39050.91  666.1839108.36  666.2339505.57  701.9340010.23  718.6840323.75  728.85
40820.98  732.4641213.95  737.6141448.21  739.31 41543.1  739.6242018.22   737.7
42646.52     74043008.11  738.6243344.89  746.1943477.62  745.6943550.11  743.05
43658.07  739.5244020.43  729.2544195.69     73044285.29     73045343.79  726.85
45442.59  722.5145669.29  713.2345907.88  704.6245992.59  701.1546205.56  701.15
 46233.9  702.3646412.58  709.4646698.84  708.5947371.76  689.4647514.26  685.83
47743.86  681.46 47865.7  682.2448414.61  714.0348724.49  730.2749729.52  738.69
49904.22   740.350405.32   748.150542.13  750.7751427.67     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521698.36     .1522118.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21698.3622118.67             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.07    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.91    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1558586.00   79213.30   1138336.00
  E.G. Slope (ft/ft)      0.000315    Area (sq ft)            1558586.00   79213.30   1138336.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5212491.00   457108.40   2333534.00
  Top Width (ft)          47771.70    Top Width (ft)          18781.46     420.31   28569.93
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.34       5.77       2.05
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.99     188.46      39.84
  Conv. Total (cfs)       450591900.0    Conv. (cfs)            293473300.0   25736090.0   131382500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18807.44     421.73   28623.72
  Min Ch El (ft)            564.88    Shear (lb/sq ft)            1.63       3.70       0.78
  Alpha                       1.25    Stream Power (lb/ft s)      5.46      21.35       1.61
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8753.65     448.88    6343.00
  C & E Loss (ft)             0.00    Cum SA (acres)            105.51       2.38     161.16


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266537.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.49  764.33 1417.49     760 1928.25     760  2326.6  761.12
 2409.43  761.12 2548.28    770 2758.06     770    2848  763.98 3155.63  741.31
 3688.08  725.19 3947.26  717.95 4556.39  702.45 4660.03  700.49 4792.38  699.41
 5586.07  688.01 5784.74  686.56 6030.56  681.43 6069.14  681.12  6746.8  681.12
 6994.94     668 7250.26  652.08 7350.94  651.12 7446.75  651.12 7571.92  652.53
 7847.12  684.64 7908.56  691.12 8092.36  673.37 8148.66  673.37 8188.26  673.11
 8321.12  682.54  8401.8  688.79 8531.89  699.65 8770.64  709.93  9162.2  712.25
 9399.97  712.25  9422.4  711.05 9565.79  702.74 9678.55  702.2510545.75  701.44
10883.71  677.9911194.05  653.9311223.02  644.7911379.86  643.3711626.97  661.45
11692.53  666.8512135.05  707.0612476.13     71012987.44  711.1212996.13  711.17
13180.06  700.4113409.69    68513475.62  684.8313598.59  698.5913785.29     720
 14158.3     72014215.83  719.1214305.54  719.1614587.92  723.5814782.22  729.07
14856.18     73015288.83    730 15831.4  726.6316017.91  721.4816035.12  718.26
16184.73  693.0216383.52  646.8316405.24  645.2216658.22  628.5217099.75  619.03
17214.05  618.8819592.09  618.8819812.95     62020189.12     62020595.54  616.63
20766.84  616.6320860.74  607.7521112.47  598.8821653.46  590.1221660.88  589.82
21698.84     58021770.72  570.6721862.88  566.5321955.04  564.8822093.81  576.78
22119.31     58022203.52  644.2622265.94  645.8422474.55  664.7222538.39  669.31
22835.61  653.5822914.87  654.1223797.28  701.5924093.13   715.524540.16  735.39
 24803.2  747.7525042.25  734.7725582.14  704.3325620.55  701.8925909.84   699.2
26065.88  724.7626114.93  733.2626166.29  733.2626426.01  734.3826815.37  727.19
26970.92  727.87 27239.4  746.7827761.52  749.0527981.39  742.3228379.82   728.4
28778.01  713.3928837.45  713.2229589.17  735.4729659.76  737.75 30745.6  737.75
31128.92  738.8832643.84   735.533141.62  736.6333924.85  736.6334884.87  727.75
35060.23  727.7535432.89  734.5535546.68  736.3735937.14   735.536370.96   735.5
36939.64     70036945.65  697.6937101.13  632.4737269.58  626.6337295.31  626.83
37413.19   632.737909.89  654.6838352.42   681.638446.54  683.3738901.29   683.7
39054.85  666.0639112.31   666.139509.59  701.8940014.36  718.6740327.94  728.88
40825.27   732.5 41218.3   737.641452.61  739.3141547.53  739.6342022.74  737.75
42651.16     74043012.82  738.6543349.66  746.2743482.42  745.7743554.93  743.13
43662.91   739.644025.34  729.2744200.63     73044290.25     73045348.96  726.92
45447.77  722.5745674.52  713.2745913.15   704.645997.89  701.1246210.89  701.12
46239.24  702.3446417.96  709.4746704.28  708.6247377.32  689.4847519.85  685.85
 47749.5  681.4347871.36  682.1948420.38  713.9948730.32  730.2649735.54  738.69
49910.28  740.2950411.48   748.150548.31  750.7551434.02     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521698.84     .1522119.31     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21698.8422119.31             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.07    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.91    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1558607.00   79243.83   1137996.00
  E.G. Slope (ft/ft)      0.000316    Area (sq ft)            1558607.00   79243.83   1137996.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5213343.00   457361.20   2332430.00
  Top Width (ft)          47778.30    Top Width (ft)          18782.06     420.47   28575.77
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.34       5.77       2.05
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.98     188.46      39.82
  Conv. Total (cfs)       450517900.0    Conv. (cfs)            293473100.0   25746090.0   131298700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18808.10     421.89   28629.70
  Min Ch El (ft)            564.88    Shear (lb/sq ft)            1.63       3.70       0.78
  Alpha                       1.25    Stream Power (lb/ft s)      5.46      21.36       1.61
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8575.10     439.80    6212.62
  C & E Loss (ft)             0.00    Cum SA (acres)            103.36       2.33     157.89


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266532.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.51  764.34 1417.52     760 1928.29     760 2326.66   761.1
 2409.48   761.1 2548.34    770 2758.12     770 2848.06  763.96  3155.7  741.29
 3688.16   725.2 3947.35  717.97  4556.5  702.45 4660.13  700.48 4792.49  699.38
 5586.19  687.97 5784.87  686.49  6030.7   681.4 6069.28   681.1 6746.95   681.1
  6995.1  667.94 7250.42  652.03  7351.1   651.1 7446.91   651.1 7572.09  652.48
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  7847.3   684.6 7908.74   691.1 8092.54   673.3 8148.84   673.3 8188.44  673.05
  8321.3  682.52 8401.98  688.79 8532.08  699.65 8770.83  709.93 9162.41   712.2
 9400.18   712.2 9422.61     711    9566  702.69 9678.77   702.210545.98  701.41
10883.95   677.9 11194.3  653.8511223.27  644.6911380.11   643.311627.23  661.49
11692.79  666.8912135.32  707.1312476.41     71012987.73   711.112996.42  711.15
13180.35  700.3313409.99   684.913475.92  684.7313598.89  698.5413785.59     720
14158.62     72014216.14  719.1414305.86  719.2114588.25  723.6414782.55  729.09
14856.51     73015289.17     73015831.75   726.716018.26  721.6616035.47  718.44
16185.09  693.1616383.88  646.89 16405.6  645.2916658.59  628.5517100.13  619.05
17214.44   618.919592.53   618.919813.39     62020189.57     620   20596   616.7
 20767.3   616.7 20861.2   607.821112.94   598.921653.94  590.1221661.37  589.82
21699.33     58021771.33  570.6521863.65  566.5221955.97  564.88 22094.5   576.8
22119.95     58022204.18  644.3822266.61  645.9322475.26  664.7322539.11  669.32
22836.39   653.522915.66  654.0323798.24  701.4924094.16  715.4424541.27   735.4
24804.36   747.825043.46  734.7825583.45  704.2925621.87  701.8525911.22  699.22
26067.28  724.8826116.34   733.426167.72   733.426427.49   734.526816.93  727.25
 26972.5  727.9127241.04  746.8527763.26  749.0727983.17   742.328381.69  728.35
28779.95  713.32 28839.4  713.1529591.27  735.5129661.87   737.830747.92   737.8
31131.32   738.932646.53   735.6 33144.4   736.733927.79   736.7   34888   727.8
35063.39   727.835436.12  734.6235549.93  736.4535940.48   735.636374.38   735.6
36943.17     70036949.18  697.6837104.69  632.4237273.18   626.737298.91   626.9
37416.81  632.7637913.61  654.7738356.23  681.5638450.36   683.3 38905.2  683.62
39058.79  665.9339116.27  665.9739513.62  701.8540018.49  718.6740332.12   728.9
40829.55  732.5341222.67   737.641457.02  739.3141551.95  739.6342027.25   737.8
 42655.8     74043017.53  738.6843354.44  746.3543487.23  745.8643559.75  743.22
43667.75  739.6844030.25  729.2844205.57     73044295.21     73045354.12  726.98
45452.96  722.6345679.75   713.345918.43  704.5946003.18   701.146216.23   701.1
46244.58  702.3246423.33  709.4846709.71  708.6547382.89  689.5147525.44  685.87
47755.13   681.447877.02  682.1548426.14  713.9448736.14  730.2649741.57  738.68
49916.34  740.2850417.63  748.0950554.49  750.7451440.38     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521699.33     .1522119.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21699.3322119.95             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.07    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            758.91    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1558661.00   79273.02   1137646.00
  E.G. Slope (ft/ft)      0.000316    Area (sq ft)            1558661.00   79273.02   1137646.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5214270.00   457601.20   2331262.00
  Top Width (ft)          47784.81    Top Width (ft)          18782.73     420.62   28581.46
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.35       5.77       2.05
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.98     188.47      39.80
  Conv. Total (cfs)       450451500.0    Conv. (cfs)            293482000.0   25755810.0   131213700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18808.86     422.04   28635.53
  Min Ch El (ft)            564.88    Shear (lb/sq ft)            1.63       3.70       0.78
  Alpha                       1.25    Stream Power (lb/ft s)      5.46      21.37       1.60
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8396.56     430.72    6082.28
  C & E Loss (ft)             0.00    Cum SA (acres)            101.21       2.28     154.62


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266527.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.54  764.36 1417.55     760 1928.33     760 2326.71  761.08
 2409.54  761.08 2548.39    770 2758.18     770 2848.12  763.94 3155.77  741.26
 3688.24  725.21 3947.44  717.99  4556.6  702.46 4660.23  700.47  4792.6  699.35
 5586.32  687.94    5785  686.43 6030.83  681.37 6069.41  681.08  6747.1  681.08
 6995.25  667.88 7250.58  651.99 7351.27  651.08 7447.08  651.08 7572.26  652.42
 7847.47  684.56 7908.91  691.08 8092.72  673.23 8149.03  673.23 8188.63  672.98
 8321.49   682.5 8402.17  688.79 8532.27  699.66 8771.03  709.94 9162.61  712.15
 9400.39  712.15 9422.82  710.95 9566.22  702.63 9678.99  702.1510546.21  701.38
10884.19  677.8211194.55  653.7611223.52  644.5911380.36  643.2311627.49  661.52
11693.05  666.9412135.59  707.1912476.68     71012988.01  711.0812996.71  711.13
13180.65  700.2513410.29   684.813476.22  684.6313599.19  698.48 13785.9     720
14158.93     72014216.46  719.1614306.18  719.2614588.57  723.7114782.88  729.11
14856.84     73015289.51     73015832.11  726.7716018.62  721.8416035.83  718.62
16185.45  693.3116384.24  646.9616405.97  645.3616658.96  628.5917100.51  619.07
17214.82  618.9219592.96  618.9219813.83     62020190.02     62020596.46  616.77
20767.76  616.7720861.66  607.8521113.41  598.9221654.42  590.1221661.85  589.82
21699.81     58021771.94  570.6421864.43  566.5121956.91  564.8822095.18  576.82
22120.59     58022204.83   644.522267.28  646.0222475.97  664.7422539.83  669.34
22837.17  653.4322916.46  653.9523799.21  701.3924095.18  715.3724542.38  735.42
24805.52  747.8525044.67   734.825584.77  704.25 25623.2  701.81 25912.6  699.24
26068.69     72526117.76  733.5426169.15  733.5426428.97  734.6226818.48  727.31
26974.09  727.9627242.68  746.92   27765  749.0927984.95  742.2828383.54  728.29
28781.88  713.2528841.35  713.0929593.36  735.5529663.98  737.8530750.24  737.85
31133.71  738.9232649.22  735.6933147.19  736.7733930.73  736.7734891.12  727.85
35066.55  727.8535439.36  734.6835553.19  736.5335943.81  735.69 36377.8  735.69
 36946.7     70036952.71  697.6837108.25  632.3737276.77  626.7737302.51  626.96
37420.43  632.8237917.32  654.8638360.03  681.5338454.18  683.2338909.11  683.54
39062.73   665.839120.21  665.8439517.65  701.8140022.62  718.6740336.32  728.92
40833.84  732.5641227.03  737.5941461.43  739.3141556.38  739.6442031.77  737.85
42660.45     74043022.24  738.7143359.22  746.4243492.03  745.9543564.57  743.31
43672.59  739.7644035.16   729.344210.52     73044300.18     73045359.29  727.04
45458.14  722.6945684.98  713.3445923.71  704.5746008.47  701.0846221.56  701.08
46249.92   702.346428.71  709.4946715.14  708.6847388.45  689.5347531.04  685.88
47760.77  681.3747882.68   682.148431.91   713.948741.97  730.2549747.59  738.68
49922.39  740.2850423.79  748.0950560.67  750.7251446.73     800

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521699.81     .1522120.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21699.8122120.59             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.07    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
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  W.S. Elev (ft)            758.91    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1558697.00   79303.48   1137301.00
  E.G. Slope (ft/ft)      0.000316    Area (sq ft)            1558697.00   79303.48   1137301.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5215155.00   457850.60   2330128.00
  Top Width (ft)          47791.51    Top Width (ft)          18783.43     420.78   28587.30
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.35       5.77       2.05
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.98     188.47      39.78
  Conv. Total (cfs)       450380300.0    Conv. (cfs)            293485400.0   25765770.0   131129100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18809.63     422.20   28641.52
  Min Ch El (ft)            564.88    Shear (lb/sq ft)            1.63       3.70       0.78
  Alpha                       1.25    Stream Power (lb/ft s)      5.47      21.38       1.60
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8218.00     421.64    5951.97
  C & E Loss (ft)             0.00    Cum SA (acres)             99.06       2.24     151.34


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266522.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.57  764.37 1417.58     760 1928.38     760 2326.76  761.05
 2409.59  761.05 2548.45    770 2758.24     770 2848.19  763.93 3155.84  741.23
 3688.32  725.23 3947.52  718.01  4556.7  702.47 4660.34  700.46  4792.7  699.33
 5586.44  687.91 5785.13  686.37 6030.97  681.34 6069.55  681.05 6747.25  681.05
 6995.41  667.83 7250.75  651.95 7351.43  651.05 7447.25  651.05 7572.42  652.37
 7847.65  684.52 7909.09  691.05  8092.9  673.16 8149.21  673.16 8188.81  672.92
 8321.67  682.48 8402.36  688.79 8532.46  699.67 8771.22  709.94 9162.82  712.11
  9400.6  712.11 9423.03   710.9 9566.43  702.57  9679.2  702.1110546.45  701.35
10884.44  677.74 11194.8  653.6811223.77  644.4911380.61  643.1611627.75  661.55
11693.31  666.9812135.86  707.2512476.96     710 12988.3  711.05   12997   711.1
13180.94  700.1713410.58  684.6913476.52  684.5313599.49  698.4313786.21     720
14159.25     72014216.78  719.18 14306.5  719.31 14588.9  723.7714783.21  729.13
14857.17     73015289.85     73015832.46  726.8416018.97  722.0116036.19   718.8
16185.81  693.4516384.61  647.0216406.33  645.4216659.33  628.6217100.89   619.1
 17215.2  618.95 19593.4  618.9519814.27     62020190.47     62020596.92  616.84
20768.22  616.8420862.13  607.8921113.88  598.95 21654.9  590.1221662.33  589.83
21700.29     58021772.55  570.63 21865.2   566.521957.85  564.8722095.87  576.84
22121.23     58022205.49  644.6222267.94   646.122476.68  664.7522540.55  669.35
22837.95  653.3622917.25  653.8623800.17  701.2924096.21  715.3124543.49  735.43
24806.69  747.8925045.88  734.8125586.08  704.2125624.52  701.7725913.98  699.25
 26070.1  725.1226119.18  733.6826170.58  733.6826430.45  734.7326820.04  727.37
26975.67     72827244.32  746.9827766.74  749.1127986.73  742.26 28385.4  728.23
28783.82  713.17 28843.3  713.0229595.46  735.5929666.08  737.8930752.57  737.89
31136.11  738.9532651.91  735.7833149.98  736.8433933.67  736.8434894.25  727.89
35069.71  727.8935442.59  734.7535556.45   736.635947.14  735.7836381.21  735.78
36950.23     70036956.24  697.6737111.81  632.3237280.36  626.8437306.11  627.03
37424.05  632.8837921.04  654.9538363.83   681.5   38458  683.1638913.02  683.47
39066.67  665.6839124.17  665.7239521.68  701.7740026.74  718.66 40340.5  728.95
40838.12  732.5941231.39  737.5941465.84   739.3 41560.8  739.6542036.29  737.89
42665.09     74043026.95  738.73   43364   746.543496.83  746.0443569.39  743.39
43677.43  739.8444040.07  729.3144215.46     73044305.14     73045364.46  727.11
45463.33  722.7545690.21  713.3745928.98  704.5646013.77  701.05 46226.9  701.05
46255.27  702.2846434.08   709.546720.57  708.7147394.01  689.5647536.62   685.9
 47766.4  681.3447888.34  682.0648437.68  713.86 48747.8  730.2549753.61  738.68
49928.45  740.2750429.94  748.0850566.85  750.7151453.08     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521700.29     .1522121.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21700.2922121.23             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.07    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.91    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1558708.00   79335.55   1136989.00
  E.G. Slope (ft/ft)      0.000316    Area (sq ft)            1558708.00   79335.55   1136989.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5215911.00   458112.60   2329109.00
  Top Width (ft)          47797.94    Top Width (ft)          18784.01     420.94   28592.99
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.35       5.77       2.05
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           82.98     188.47      39.76
  Conv. Total (cfs)       450309900.0    Conv. (cfs)            293482100.0   25776480.0   131051300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18810.28     422.37   28647.34
  Min Ch El (ft)            564.87    Shear (lb/sq ft)            1.63       3.70       0.78
  Alpha                       1.25    Stream Power (lb/ft s)      5.47      21.39       1.60
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8039.45     412.56    5821.71
  C & E Loss (ft)             0.00    Cum SA (acres)             96.91       2.19     148.07


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266517.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1244.6  764.38 1417.61     760 1928.42     760 2326.81  761.03
 2409.64  761.03 2548.51    770  2758.3     770 2848.25  763.91 3155.91   741.2
 3688.41  725.24 3947.61  718.03  4556.8  702.47 4660.44  700.45 4792.81   699.3
 5586.57  687.88 5785.26  686.31  6031.1  681.31 6069.68  681.03  6747.4  681.03
 6995.56  667.77 7250.91   651.9  7351.6  651.03 7447.41  651.03 7572.59  652.32
 7847.82  684.48 7909.26  691.03 8093.08  673.09 8149.39  673.09 8188.99  672.85
 8321.86  682.46 8402.54  688.78 8532.65  699.67 8771.42  709.94 9163.02  712.06
  9400.8  712.06 9423.23  710.85 9566.64  702.51 9679.42  702.0610546.68  701.32
10884.68  677.6511195.05   653.611224.02  644.3911380.87  643.0911628.01  661.58
11693.57  667.0312136.13  707.3112477.24     71012988.59  711.0312997.29  711.08
13181.23  700.0913410.88  684.5913476.82  684.42 13599.8  698.3713786.51     720
14159.56     72014217.09  719.1914306.82  719.3614589.22  723.8314783.54  729.15
14857.51     73015290.19     73015832.81  726.9116019.33  722.1916036.54  718.98
16186.17   693.616384.97  647.09 16406.7  645.49 16659.7  628.6517101.27  619.12
17215.58  618.9719593.83  618.9719814.71     62020190.92     62020597.38  616.91
20768.68  616.9120862.59  607.9421114.35  598.9721655.38  590.1221662.81  589.83
21700.77     58021773.16  570.6121865.97  566.4921958.78  564.8722096.55  576.85
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22121.87     58022206.15  644.7422268.61  646.1922477.39  664.7722541.27  669.37
22838.72  653.2822918.04  653.7723801.14  701.1924097.23  715.24 24544.6  735.44
24807.85  747.9425047.09  734.8225587.39  704.1725625.84  701.7325915.36  699.27
26071.51  725.24 26120.6  733.8226172.01  733.8226431.93  734.8526821.59  727.43
26977.26  728.0527245.95  747.0527768.47  749.1327988.52  742.2428387.26  728.18
28785.76   713.128845.25  712.9529597.55  735.6329668.19  737.9430754.89  737.94
31138.51  738.97 32654.6  735.8833152.77  736.9133936.61  736.9134897.38  727.94
35072.88  727.9435445.83  734.81 35559.7  736.6835950.47  735.8836384.63  735.88
36953.75     70036959.77  697.6637115.37  632.2737283.95  626.91 37309.7  627.09
37427.67  632.9437924.76  655.0438367.64  681.4638461.82  683.0938916.93  683.39
39070.61  665.5539128.12  665.5939525.71  701.7340030.87  718.6640344.69  728.97
40842.41  732.6341235.75  737.5841470.25   739.341565.23  739.6642040.81  737.94
42669.73     74043031.66  738.7643368.78  746.5843501.64  746.13 43574.2  743.48
43682.27  739.9144044.98  729.3344220.41     730 44310.1     73045369.63  727.17
45468.52  722.8145695.45  713.4145934.26  704.5446019.06  701.0346232.23  701.03
46260.61  702.2646439.46  709.51   46726  708.7447399.57  689.5847542.21  685.91
47772.04  681.3147893.99  682.0148443.45  713.8248753.62  730.2449759.63  738.67
 49934.5  740.27 50436.1  748.0850573.03  750.6951459.44     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521700.77     .1522121.87     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21700.7722121.87             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.07    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.90    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1558764.00   79367.32   1136643.00
  E.G. Slope (ft/ft)      0.000316    Area (sq ft)            1558764.00   79367.32   1136643.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5216828.00   458368.60   2327937.00
  Top Width (ft)          47804.64    Top Width (ft)          18784.71     421.10   28598.83
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.35       5.78       2.05
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.98     188.48      39.74
  Conv. Total (cfs)       450245300.0    Conv. (cfs)            293491600.0   25787190.0   130966600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18811.05     422.53   28653.32
  Min Ch El (ft)            564.87    Shear (lb/sq ft)            1.63       3.71       0.78
  Alpha                       1.25    Stream Power (lb/ft s)      5.47      21.40       1.60
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7860.89     403.46    5691.48
  C & E Loss (ft)             0.00    Cum SA (acres)             94.75       2.14     144.79


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266512.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.62  764.39 1417.64     760 1928.46     760 2326.86  761.01
  2409.7  761.01 2548.56     770 2758.36     770 2848.31   763.9 3155.98  741.18
 3688.49  725.25  3947.7  718.05  4556.9  702.48 4660.54  700.44 4792.92  699.27
 5586.69  687.85 5785.39  686.25 6031.23  681.28 6069.82  681.01 6747.55  681.01
 6995.72  667.71 7251.07  651.86 7351.76  651.01 7447.58  651.01 7572.76  652.27
    7848  684.44 7909.44  691.01 8093.26  673.02 8149.57  673.02 8189.17  672.79
 8322.04  682.44 8402.73  688.78 8532.84  699.68 8771.62  709.94 9163.22  712.01
 9401.01  712.01 9423.44   710.8 9566.85  702.46 9679.63  702.0110546.92  701.29
10884.92  677.57 11195.3  653.5211224.27  644.2911381.12  643.0211628.27  661.61
11693.83  667.07 12136.4  707.3712477.52     71012988.88  711.0112997.58  711.05
13181.53  700.0213411.18  684.4813477.12  684.32 13600.1  698.3113786.82     720
14159.88     72014217.41  719.2114307.13  719.4114589.55  723.8914783.87  729.17
14857.84     73015290.53     73015833.16  726.9816019.69  722.37 16036.9  719.16
16186.53  693.7416385.34  647.1616407.06  645.5616660.07  628.6817101.65  619.14
17215.97  618.9919594.27  618.9919815.15     62020191.37     62020597.84  616.98
20769.15  616.9820863.06  607.9921114.82  598.9921655.87  590.1221663.29  589.84
21701.26     58021773.77   570.621866.75  566.4721959.72  564.8722097.24  576.87
22122.51     580 22206.8  644.8622269.28  646.28 22478.1  664.7822541.99  669.38
 22839.5  653.2122918.84  653.6923802.11  701.0924098.25  715.1824545.71  735.46
24809.01  747.99 25048.3  734.8325588.71  704.1325627.16  701.6925916.73  699.29
26072.92  725.3526122.02  733.9626173.44  733.9626433.41  734.9726823.14  727.49
26978.84  728.0927247.59  747.1227770.21  749.15 27990.3  742.2228389.12  728.12
28787.69  713.03 28847.2  712.8829599.65  735.67 29670.3  737.9930757.21  737.99
 31140.9  738.9932657.29  735.9733155.55  736.9833939.55  736.9834900.51  727.99
35076.04  727.9935449.07  734.8835562.96  736.7535953.81  735.9736388.05  735.97
36957.28     700 36963.3  697.6637118.93  632.2237287.54  626.98 37313.3  627.16
37431.29     63337928.47  655.1338371.44  681.4338465.64  683.0238920.84  683.31
39074.55  665.4339132.07  665.4639529.74  701.69   40035  718.6640348.88  728.99
 40846.7  732.6641240.12  737.5741474.65   739.341569.66  739.6642045.33  737.99
42674.37     74043036.38  738.7943373.55  746.6643506.44  746.2143579.02  743.57
43687.11  739.9944049.89  729.3444225.35     73044315.06     730 45374.8  727.24
45473.71  722.8745700.68  713.4445939.54  704.5346024.36  701.0146237.57  701.01
46265.95  702.2446444.84  709.5346731.43  708.7747405.14  689.61 47547.8  685.93
47777.67  681.2847899.65  681.9748449.21  713.7848759.45  730.2449765.66  738.67
49940.56  740.2650442.25  748.0750579.21  750.6751465.79     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521701.26     .1522122.51     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21701.2622122.51             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.90    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1558804.00   79397.03   1136291.00
  E.G. Slope (ft/ft)      0.000316    Area (sq ft)            1558804.00   79397.03   1136291.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5217743.00   458616.20   2326774.00
  Top Width (ft)          47811.20    Top Width (ft)          18785.28     421.25   28604.67
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.35       5.78       2.05
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.98     188.48      39.72
  Conv. Total (cfs)       450175600.0    Conv. (cfs)            293497600.0   25797120.0   130880800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18811.69     422.68   28659.30
  Min Ch El (ft)            564.87    Shear (lb/sq ft)            1.63       3.71       0.78
  Alpha                       1.25    Stream Power (lb/ft s)      5.47      21.41       1.60
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7682.32     394.37    5561.29
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  C & E Loss (ft)             0.00    Cum SA (acres)             92.60       2.09     141.51


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266507.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.65   764.4 1417.68     760 1928.51     760 2326.92  760.98
 2409.75  760.98 2548.62     770 2758.42     770 2848.38  763.88 3156.05  741.15
 3688.57  725.27 3947.79  718.07    4557  702.48 4660.65  700.43 4793.02  699.24
 5586.82  687.82 5785.52  686.19 6031.37  681.25 6069.95  680.98  6747.7  680.98
 6995.88  667.65 7251.23  651.82 7351.92  650.98 7447.74  650.98 7572.93  652.21
 7848.17   684.4 7909.61  690.98 8093.44  672.95 8149.75  672.95 8189.35  672.73
 8322.23  682.42 8402.92  688.78 8533.03  699.69 8771.81  709.94 9163.43  711.97
 9401.22  711.97 9423.65  710.75 9567.07   702.4 9679.85  701.9710547.15  701.26
10885.16  677.4811195.55  653.4411224.52  644.1911381.37  642.9511628.52  661.64
11694.08  667.1112136.67  707.4312477.79     71012989.17  710.9812997.86  711.03
13181.82  699.9413411.48  684.3813477.42  684.22 13600.4  698.2613787.13     720
14160.19     72014217.73  719.2314307.45  719.4614589.87  723.96 14784.2  729.19
14858.17     73015290.87     73015833.51  727.0516020.04  722.5516037.26  719.34
16186.89  693.89 16385.7  647.2216407.43  645.6216660.45  628.7117102.03  619.16
17216.35  619.0219594.71  619.0219815.59     62020191.81     62020598.29  617.05
20769.61  617.0520863.52  608.0321115.29  599.0221656.35  590.1221663.77  589.84
21701.74     58021774.38  570.5821867.52  566.4621960.65  564.8722097.92  576.89
22123.15     58022207.46  644.9822269.95  646.3622478.81  664.7922542.72   669.4
22840.28  653.1322919.63   653.623803.07  700.9924099.28  715.1124546.83  735.47
24810.17  748.0325049.51  734.8525590.02  704.0925628.48  701.6525918.11   699.3
26074.33  725.4726123.43   734.126174.86   734.126434.89  735.08 26824.7  727.54
26980.43  728.1327249.23  747.1927771.95  749.1727992.08   742.228390.98  728.06
28789.63  712.9628849.14  712.8229601.74  735.7129672.41  738.0330759.53  738.03
 31143.3  739.0232659.99  736.0733158.34  737.0533942.49  737.0534903.63  728.03
 35079.2  728.03 35452.3  734.9435566.21  736.8335957.14  736.0736391.47  736.07
36960.81     70036966.83  697.6537122.49  632.1637291.14  627.05 37316.9  627.23
37434.91  633.0637932.19  655.2338375.25   681.438469.46  682.9538924.75  683.24
39078.49   665.339136.02  665.3439533.77  701.6540039.12  718.6540353.07  729.02
40850.98  732.6941244.48  737.5741479.06   739.341574.09  739.6742049.85  738.03
42679.01     74043041.09  738.8243378.33  746.7443511.25   746.343583.84  743.66
43691.94  740.07 44054.8  729.3644230.29     73044320.02     73045379.96   727.3
45478.89  722.9345705.91  713.4845944.82  704.5246029.65  700.9846242.91  700.98
46271.29  702.2246450.21  709.5446736.87  708.79 47410.7  689.6347553.39  685.94
47783.31  681.2547905.31  681.9248454.98  713.7348765.28  730.2349771.68  738.66
49946.62  740.2550448.41  748.0750585.39  750.6651472.14     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521701.74    .1522123.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21701.7422123.15             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.90    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1558828.00   79428.33   1135972.00
  E.G. Slope (ft/ft)      0.000316    Area (sq ft)            1558828.00   79428.33   1135972.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5218535.00   458871.30   2325727.00
  Top Width (ft)          47817.73    Top Width (ft)          18785.97     421.41   28610.35
  Vel Total (ft/s)            2.88    Avg. Vel. (ft/s)            3.35       5.78       2.05
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.98     188.48      39.70
  Conv. Total (cfs)       450106400.0    Conv. (cfs)            293497100.0   25807510.0   130801800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18812.46     422.84   28665.14
  Min Ch El (ft)            564.87    Shear (lb/sq ft)            1.64       3.71       0.78
  Alpha                       1.25    Stream Power (lb/ft s)      5.48      21.42       1.60
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7503.75     385.27    5431.14
  C & E Loss (ft)             0.00    Cum SA (acres)             90.45       2.04     138.24


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266502.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.68  764.41 1417.71     760 1928.55     760 2326.97  760.96
  2409.8  760.96 2548.68     770 2758.49     770 2848.44  763.86 3156.12  741.12
 3688.65  725.28 3947.88  718.09  4557.1  702.49 4660.75  700.42 4793.13  699.21
 5586.94  687.78 5785.64  686.12  6031.5  681.22 6070.09  680.96 6747.85  680.96
 6996.03  667.59 7251.39  651.77 7352.09  650.96 7447.91  650.96  7573.1  652.16
 7848.34  684.36 7909.79  690.96 8093.62  672.88 8149.93  672.88 8189.54  672.66
 8322.41  682.41  8403.1  688.77 8533.22   699.7    8772  709.94 9163.63  711.92
 9401.43  711.92 9423.86   710.7 9567.28  702.34 9680.06  701.9210547.39  701.23
 10885.4   677.4 11195.8  653.3611224.77  644.0911381.63  642.8811628.78  661.67
11694.35  667.1612136.94  707.4912478.07     71012989.46  710.9612998.15     711
13182.11  699.8613411.78  684.2713477.72  684.12 13600.7   698.213787.43     720
14160.51     72014218.04  719.2514307.77  719.5114590.19  724.0214784.52  729.21
 14858.5     73015291.21     73015833.87  727.12 16020.4  722.7216037.61  719.52
16187.25  694.0316386.06  647.2916407.79  645.6916660.81  628.7417102.41  619.18
17216.73  619.0419595.14  619.0419816.04     62020192.26     62020598.75  617.12
20770.07  617.1220863.98  608.0821115.75  599.0421656.83  590.1221664.25  589.84
21702.22     58021774.99  570.5721868.29  566.4521961.59  564.8722098.61  576.91
22123.79     58022208.11   645.122270.62  646.4522479.52   664.822543.44  669.41
22841.06  653.0622920.43  653.5223804.04  700.88 24100.3  715.0524547.94  735.49
24811.34  748.0825050.71  734.8625591.34  704.04 25629.8  701.6225919.49  699.32
26075.73  725.5926124.85  734.2426176.29  734.2426436.37   735.226826.25   727.6
26982.01  728.1827250.87  747.2527773.69  749.1927993.86  742.1828392.84  728.01
28791.57  712.8928851.09  712.7529603.84  735.7529674.52  738.0830761.85  738.08
31145.69  739.0432662.68  736.1633161.13  737.1233945.43  737.1234906.76  728.08
35082.36  728.0835455.54     73535569.47   736.935960.47  736.1636394.88  736.16
36964.34     70036970.36  697.6537126.05  632.1137294.73  627.12 37320.5  627.29
37438.54  633.1237935.91  655.3238379.05  681.3738473.29  682.8838928.66  683.16
39082.43  665.1739139.98  665.21 39537.8  701.6140043.25  718.6540357.26  729.04
40855.27  732.7341248.84  737.5641483.47   739.341578.51  739.6842054.37  738.08
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42683.65     740 43045.8  738.8543383.11  746.8143516.05  746.3943588.66  743.74
43696.78  740.1544059.71  729.3744235.24     73044324.98     73045385.13  727.37
45484.08  722.9945711.14  713.5145950.09   704.546034.95  700.9646248.24  700.96
46276.63   702.246455.59  709.55 46742.3  708.8247416.26  689.6647558.99  685.96
47788.95  681.2247910.97  681.8748460.74  713.6948771.11  730.23 49777.7  738.66
49952.68  740.2550454.56  748.0650591.57  750.64 51478.5     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521702.22     .1522123.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21702.2222123.79             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.90    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1558884.00   79458.61   1135628.00
  E.G. Slope (ft/ft)      0.000316    Area (sq ft)            1558884.00   79458.61   1135628.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5219457.00   459113.90   2324563.00
  Top Width (ft)          47824.43    Top Width (ft)          18786.66     421.57   28616.20
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.35       5.78       2.05
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.98     188.48      39.68
  Conv. Total (cfs)       450041900.0    Conv. (cfs)            293506800.0   25817450.0   130717600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18813.22     423.00   28671.12
  Min Ch El (ft)            564.87    Shear (lb/sq ft)            1.64       3.71       0.78
  Alpha                       1.25    Stream Power (lb/ft s)      5.48      21.43       1.60
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7325.18     376.17    5301.03
  C & E Loss (ft)             0.00    Cum SA (acres)             88.30       2.00     134.96


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266497.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.71  764.42 1417.74     760 1928.59     760 2327.02  760.94
 2409.86  760.94 2548.73    770 2758.55     770  2848.5  763.85 3156.19   741.1
 3688.73   725.3 3947.96  718.11  4557.2   702.5 4660.86  700.41 4793.23  699.19
 5587.06  687.75 5785.77  686.06 6031.64  681.19 6070.22  680.94    6748  680.94
 6996.19  667.54 7251.55  651.73 7352.25  650.94 7448.07  650.94 7573.27  652.11
 7848.52  684.32 7909.97  690.94  8093.8  672.81 8150.11  672.81 8189.72   672.6
  8322.6  682.39 8403.29  688.77 8533.41   699.7  8772.2  709.94 9163.83  711.87
 9401.64  711.87 9424.07  710.65 9567.49  702.29 9680.28  701.8710547.62   701.2
10885.65  677.3111196.04  653.2711225.02  643.9911381.88  642.8111629.04   661.7
11694.61   667.212137.21  707.5512478.35     71012989.75  710.9412998.44  710.98
 13182.4  699.7813412.07  684.1713478.02  684.0213601.01  698.1413787.74     720
14160.82     72014218.36  719.2714308.09  719.5614590.52  724.0814784.85  729.23
14858.83     73015291.55     73015834.22  727.1916020.75   722.916037.97   719.7
16187.61  694.1816386.43  647.3516408.15  645.7616661.19  628.7717102.79   619.2
17217.12  619.0619595.58  619.0619816.47     62020192.71     62020599.21  617.19
20770.53  617.1920864.45  608.1321116.22  599.0621657.31  590.1221664.74  589.85
 21702.7     580 21775.6  570.5621869.07  566.4421962.53  564.8722099.29  576.92
22124.43     58022208.77  645.2222271.28  646.5422480.22  664.8222544.16  669.42
22841.84  652.9822921.22  653.4323805.01  700.7824101.33  714.9824549.05   735.5
 24812.5  748.1325051.92  734.8725592.65     70425631.12  701.5825920.87  699.34
26077.14  725.7126126.27  734.3826177.72  734.3826437.85  735.3226827.81  727.66
 26983.6  728.22 27252.5  747.3227775.43  749.2127995.64  742.16 28394.7  727.95
28793.51  712.8228853.04  712.6829605.93  735.7929676.63  738.1330764.17  738.13
31148.09  739.0632665.37  736.2533163.92  737.1933948.38  737.1934909.89  728.13
35085.52  728.1335458.77  735.0735572.73  736.98 35963.8  736.25 36398.3  736.25
36967.87     70036973.89  697.6437129.61  632.0637298.32  627.1937324.09  627.36
37442.16  633.1837939.62  655.4138382.85  681.3338477.11  682.8138932.57  683.08
39086.38  665.0539143.93  665.0839541.83  701.5740047.38  718.6440361.45  729.06
40859.55  732.76 41253.2  737.5541487.88  739.2941582.94  739.6942058.89  738.13
42688.29     74043050.51  738.8843387.89  746.8943520.85  746.4843593.47  743.83
43701.62  740.2344064.62  729.3944240.18     73044329.95     730 45390.3  727.43
45489.27  723.0545716.37  713.5545955.37  704.4946040.24  700.9446253.58  700.94
46281.97  702.1846460.96  709.5646747.73  708.8547421.82  689.6847564.58  685.97
47794.58  681.1947916.63  681.8348466.51  713.6548776.93  730.2249783.72  738.66
49958.73  740.2450460.71  748.0650597.76  750.6351484.85     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21702.7     .1522124.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21702.722124.43             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.90    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1558918.00   79490.30   1135301.00
  E.G. Slope (ft/ft)      0.000316    Area (sq ft)            1558918.00   79490.30   1135301.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5220292.00   459368.40   2323473.00
  Top Width (ft)          47830.84    Top Width (ft)          18787.22     421.73   28621.89
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.35       5.78       2.05
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.98     188.49      39.67
  Conv. Total (cfs)       449976100.0    Conv. (cfs)            293510800.0   25827980.0   130637200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18813.86     423.16   28676.96
  Min Ch El (ft)            564.87    Shear (lb/sq ft)            1.64       3.71       0.78
  Alpha                       1.25    Stream Power (lb/ft s)      5.48      21.44       1.60
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7146.60     367.07    5170.96
  C & E Loss (ft)             0.00    Cum SA (acres)             86.15       1.95     131.68


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266492.*

INPUT
Description:
Station Elevation Data    num=     174
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.74  764.44 1417.77     760 1928.63     760 2327.07  760.91
 2409.91  760.91 2548.79     770 2758.61     770 2848.57  763.83 3156.26  741.07
 3688.82  725.31 3948.05  718.13 4557.31   702.5 4660.96   700.4 4793.34  699.16
 5587.19  687.72  5785.9     686 6031.77  681.16 6070.36  680.91 6748.15  680.91
 6996.34  667.48 7251.71  651.69 7352.41  650.91 7448.24  650.91 7573.43  652.06
 7848.69  684.28 7910.14  690.91 8093.98  672.74 8150.29  672.74  8189.9  672.53
 8322.78  682.37 8403.48  688.77  8533.6  699.71 8772.39  709.95 9164.04  711.83
 9401.85  711.83 9424.28   710.6 9567.71  702.23 9680.49  701.8310547.86  701.17
10885.89  677.2311196.29  653.1911225.27  643.8911382.13  642.74 11629.3  661.73
11694.87  667.2512137.48  707.6112478.62     71012990.04  710.9112998.73  710.95
 13182.7   699.713412.37  684.0713478.32  683.9213601.31  698.0913788.05     720
14161.14     72014218.67  719.2914308.41  719.6114590.84  724.1414785.18  729.24
14859.16     73015291.89     73015834.57  727.2616021.11  723.0816038.33  719.88
16187.97  694.3316386.79  647.4216408.52  645.8216661.55   628.817103.17  619.22
 17217.5  619.0919596.01  619.0919816.92     62020193.16     62020599.67  617.26
20770.99  617.2620864.91  608.1721116.69  599.0921657.79  590.1221665.22  589.85
21703.19     58021776.21  570.5421869.84  566.4321963.46  564.8622099.98  576.94
22125.06     58022209.43  645.3422271.95  646.6222480.93  664.8322544.88  669.44
22842.62  652.9122922.02  653.3523805.97  700.6824102.35  714.9224550.16  735.52
24813.66  748.1725053.13  734.8925593.97  703.9625632.45  701.5425922.25  699.35
26078.55  725.8326127.69  734.5226179.15  734.5226439.32  735.4326829.36  727.72
26985.18  728.2727254.14  747.3927777.17  749.2327997.43  742.1428396.56  727.89
28795.44  712.7528854.99  712.6229608.03  735.8329678.74  738.1730766.49  738.17
31150.48  739.0932668.06  736.3533166.71  737.2633951.32  737.2634913.02  728.17
35088.68  728.17   35462  735.1335575.98  737.0535967.14  736.3536401.72  736.35
36971.39     70036977.42  697.6337133.17  632.0137301.91  627.2637327.69  627.42
37445.78  633.2437943.34   655.538386.66   681.338480.93  682.7438936.48  683.01
39090.32  664.9239147.88  664.9539545.86  701.5340051.51  718.6440365.64  729.09
40863.84  732.7941257.57  737.5541492.29  739.2941587.36   739.742063.41  738.17
42692.94     74043055.23   738.943392.66  746.9743525.66  746.5743598.29  743.92
43706.46  740.3144069.53   729.444245.12     73044334.91     73045395.46  727.49
45494.45  723.11 45721.6  713.5845960.65  704.4746045.53  700.9146258.91  700.91
46287.31  702.1646466.34  709.5746753.16  708.8847427.39  689.7147570.17  685.99
47800.21  681.1647922.29  681.7848472.27  713.6148782.76  730.2249789.75  738.65
49964.79  740.2450466.87  748.0550603.94  750.61 51491.2     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521703.19     .1522125.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21703.1922125.06              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.06    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            758.90    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1558941.00   79519.34   1134959.00
  E.G. Slope (ft/ft)      0.000316    Area (sq ft)            1558941.00   79519.34   1134959.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5221146.00   459621.00   2322367.00
  Top Width (ft)          47837.53    Top Width (ft)          18787.92     421.87   28627.74
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.35       5.78       2.05
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           82.98     188.49      39.65
  Conv. Total (cfs)       449901200.0    Conv. (cfs)            293510000.0   25837880.0   130553300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18814.63     423.30   28682.96
  Min Ch El (ft)            564.86    Shear (lb/sq ft)            1.64       3.71       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.48      21.45       1.60
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6968.01     357.96    5040.93
  C & E Loss (ft)             0.00    Cum SA (acres)             83.99       1.90     128.40


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266487.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.76  764.45  1417.8     760 1928.68     760 2327.12  760.89
 2409.96  760.89 2548.85     770 2758.67     770 2848.63  763.82 3156.33  741.04
  3688.9  725.32 3948.14  718.15 4557.41  702.51 4661.06  700.39 4793.45  699.13
 5587.31  687.69 5786.03  685.94  6031.9  681.13 6070.49  680.89  6748.3  680.89
  6996.5  667.42 7251.87  651.65 7352.58  650.89  7448.4  650.89  7573.6     652
 7848.87  684.24 7910.32  690.89 8094.16  672.67 8150.48  672.67 8190.08  672.47
 8322.97  682.35 8403.67  688.76 8533.79  699.72 8772.59  709.95 9164.24  711.78
 9402.06  711.78 9424.49  710.55 9567.92  702.17 9680.71  701.7810548.09  701.14
10886.13  677.1411196.54  653.1111225.52  643.7911382.39  642.6711629.56  661.76
11695.12  667.2912137.75  707.68 12478.9     71012990.33  710.8912999.02  710.93
13182.99  699.6213412.67  683.9613478.62  683.8213601.61  698.0313788.35     720
14161.45     72014218.99  719.314308.72  719.6614591.17   724.214785.51  729.26
14859.49     73015292.23     73015834.92  727.3316021.47  723.2616038.68  720.06
16188.33  694.4716387.16  647.4916408.88  645.8916661.93  628.8317103.55  619.24
17217.88  619.1119596.45  619.1119817.36     62020193.61     62020600.12  617.33
20771.46  617.3320865.38  608.2221117.16  599.1121658.27  590.12 21665.7  589.85
21703.67     58021776.82  570.5321870.61  566.42 21964.4  564.8622100.66  576.96
22125.71     58022210.08  645.4622272.62  646.7122481.64  664.84 22545.6  669.45
 22843.4  652.8322922.81  653.2623806.94  700.5824103.38  714.8524551.27  735.53
24814.82  748.2225054.34   734.925595.28  703.9225633.77   701.525923.63  699.37
26079.96  725.9426129.11  734.6626180.58  734.66 26440.8  735.5526830.92  727.78
26986.77  728.3127255.78  747.4527778.91  749.2527999.21  742.1228398.42  727.83
28797.38  712.6828856.94  712.5529610.12  735.8729680.85  738.2230768.81  738.22
31152.88  739.1132670.75  736.44 33169.5  737.3333954.26  737.3334916.14  728.22
35091.84  728.2235465.24   735.235579.24  737.1335970.47  736.4436405.14  736.44
36974.93     70036980.95  697.6337136.73  631.9637305.51  627.3337331.29  627.49
 37449.4   633.337947.06  655.5938390.46  681.2738484.75  682.6738940.39  682.93
39094.25   664.839151.83  664.8339549.89  701.4940055.64  718.6440369.82  729.11
40868.12  732.8341261.93  737.54 41496.7  739.2941591.79   739.742067.93  738.22
42697.58     74043059.94  738.9343397.44  747.0543530.46  746.6543603.11  744.01
 43711.3  740.3844074.44  729.4244250.07     73044339.87     73045400.63  727.56
45499.64  723.1745726.83  713.6245965.93  704.4646050.82  700.8946264.25  700.89
46292.65  702.1446471.71  709.5846758.59  708.9147432.95  689.7347575.76     686
47805.85  681.1347927.95  681.7448478.04  713.5648788.59  730.2149795.77  738.65
49970.84  740.2350473.02  748.0550610.12   750.651497.56     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521703.67     .1522125.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      21703.6722125.71             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.89    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1558990.00   79551.69   1134625.00
  E.G. Slope (ft/ft)      0.000317    Area (sq ft)            1558990.00   79551.69   1134625.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5222021.00   459873.20   2321239.00
  Top Width (ft)          47843.97    Top Width (ft)          18788.51     422.04   28633.42
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.35       5.78       2.05
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.98     188.49      39.63
  Conv. Total (cfs)       449838600.0    Conv. (cfs)            293518400.0   25848470.0   130471800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18815.29     423.47   28688.77
  Min Ch El (ft)            564.86    Shear (lb/sq ft)            1.64       3.71       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.48      21.46       1.60
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6789.43     348.85    4910.93
  C & E Loss (ft)             0.00    Cum SA (acres)             81.84       1.85     125.12


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266482.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.79  764.46 1417.83     760 1928.72     760 2327.17  760.87
 2410.02  760.87  2548.9     770 2758.73     770 2848.69   763.8  3156.4  741.01
 3688.98  725.34 3948.23  718.18 4557.51  702.52 4661.17  700.38 4793.55   699.1
 5587.44  687.66 5786.16  685.88 6032.04   681.1 6070.63  680.87 6748.45  680.87
 6996.65  667.36 7252.04   651.6 7352.74  650.87 7448.57  650.87 7573.77  651.95
 7849.04   684.2 7910.49  690.87 8094.34   672.6 8150.66   672.6 8190.26   672.4
 8323.15  682.33 8403.85  688.76 8533.98  699.73 8772.79  709.95 9164.45  711.73
 9402.27  711.73  9424.7   710.5 9568.13  702.11 9680.92  701.7310548.32  701.11
10886.37  677.0611196.79  653.0311225.77  643.6911382.64   642.611629.82  661.79
11695.38  667.3412138.02  707.7412479.18     71012990.61  710.8712999.31  710.91
13183.28  699.5513412.97  683.8613478.91  683.7213601.91  697.9713788.66     720
14161.77     72014219.31  719.3214309.04  719.7114591.49  724.2714785.84  729.28
14859.82     73015292.57     73015835.27   727.416021.82  723.4316039.04  720.24
16188.69  694.6216387.52  647.5516409.25  645.96 16662.3  628.8617103.93  619.26
17218.26  619.1319596.88  619.13 19817.8     62020194.06     62020600.58   617.4
20771.92   617.420865.84  608.2721117.63  599.1321658.76  590.1221666.18  589.86
21704.15     58021777.43  570.5121871.39  566.4121965.34  564.8622101.35  576.98
22126.34     58022210.74  645.5822273.29   646.822482.35  664.8522546.32  669.47
22844.18  652.7622923.61  653.1723807.91  700.48 24104.4  714.7924552.38  735.54
24815.99  748.2725055.55  734.91 25596.6  703.8825635.09  701.46   25925  699.38
26081.37  726.0626130.53   734.8   26182   734.826442.28  735.6726832.47  727.84
26988.35  728.3627257.42  747.5227780.65  749.2728000.99   742.128400.28  727.78
28799.32  712.6128858.89  712.4829612.22  735.9129682.96  738.2730771.13  738.27
31155.27  739.1332673.44  736.5333172.28   737.4 33957.2   737.434919.27  728.27
35095.01  728.2735468.47  735.26 35582.5   737.2 35973.8  736.5336408.55  736.53
36978.45     70036984.48  697.6237140.29  631.91 37309.1   627.437334.89  627.56
37453.02  633.3637950.78  655.6838394.26  681.2338488.57   682.6 38944.3  682.85
 39098.2  664.6739155.78   664.739553.92  701.4540059.77  718.6340374.02  729.13
40872.41  732.8641266.29  737.53 41501.1  739.2941596.22  739.7142072.45  738.27
42702.22     74043064.65  738.9643402.22  747.1243535.26  746.7443607.93  744.09
43716.14  740.4644079.35  729.4444255.01     73044344.83     730 45405.8  727.62
45504.82  723.2345732.06  713.65 45971.2  704.4446056.12  700.8746269.58  700.87
46297.99  702.1246477.09  709.5946764.02  708.9447438.52  689.7647581.35  686.02
47811.48   681.147933.61  681.6948483.81  713.5248794.41   730.249801.79  738.65
 49976.9  740.2250479.18  748.04 50616.3  750.5851503.91     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521704.15     .1522126.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21704.1522126.34             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.89    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1559023.00   79581.05   1134305.00
  E.G. Slope (ft/ft)      0.000317    Area (sq ft)            1559023.00   79581.05   1134305.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5222846.00   460116.60   2320171.00
  Top Width (ft)          47850.66    Top Width (ft)          18789.21     422.19   28639.27
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.35       5.78       2.05
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.97     188.50      39.61
  Conv. Total (cfs)       449771100.0    Conv. (cfs)            293520600.0   25858260.0   130392200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18816.07     423.62   28694.77
  Min Ch El (ft)            564.86    Shear (lb/sq ft)            1.64       3.71       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.49      21.47       1.60
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6610.84     339.74    4780.97
  C & E Loss (ft)             0.00    Cum SA (acres)             79.69       1.80     121.84


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266477.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.82  764.47 1417.87     760 1928.76     760 2327.23  760.84
 2410.07  760.84 2548.96     770 2758.79     770 2848.76  763.79 3156.47  740.99
 3689.06  725.35 3948.31   718.2 4557.61  702.52 4661.27  700.37 4793.66  699.07
 5587.56  687.63 5786.29  685.81 6032.17  681.07 6070.76  680.84  6748.6  680.84
 6996.81   667.3  7252.2  651.56  7352.9  650.84 7448.74  650.84 7573.94   651.9
 7849.22  684.16 7910.67  690.84 8094.52  672.53 8150.84  672.53 8190.45  672.34
 8323.34  682.31 8404.04  688.76 8534.17  699.73 8772.98  709.95 9164.65  711.69
 9402.48  711.69 9424.91  710.45 9568.34  702.06 9681.14  701.6910548.56  701.08
10886.61  676.9811197.04  652.9511226.02  643.5911382.89  642.5211630.08  661.82
11695.65  667.3812138.29   707.812479.46     710 12990.9  710.84 12999.6  710.88
13183.58  699.4713413.27  683.7513479.21  683.6213602.21  697.9213788.97     720
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14162.08     72014219.62  719.3414309.36  719.7614591.82  724.3314786.17   729.3
14860.15     73015292.91     73015835.62  727.4716022.18  723.61 16039.4  720.42
16189.05  694.7616387.89  647.6216409.61  646.0216662.67  628.8917104.31  619.28
17218.64  619.1619597.32  619.1619818.24     62020194.51     62020601.04  617.47
20772.38  617.47 20866.3  608.31 21118.1  599.1621659.24  590.1221666.66  589.86
21704.63     58021778.04   570.521872.16   566.421966.28  564.8622102.04     577
22126.98     58022211.39   645.722273.96  646.8822483.06  664.8722547.04  669.48
22844.96  652.68 22924.4  653.0923808.87  700.3824105.42  714.7224553.49  735.56
24817.15  748.3125056.76  734.9225597.91  703.8425636.41  701.4225926.38   699.4
26082.78  726.1826131.94  734.9426183.43  734.9426443.76  735.7926834.03  727.89
26989.94   728.427259.05  747.5927782.39  749.2928002.77  742.0828402.14  727.72
28801.26  712.5428860.84  712.4229614.31  735.9629685.07  738.3130773.45  738.31
31157.67  739.1632676.13  736.6333175.07  737.4733960.14  737.47 34922.4  728.31
35098.17  728.3135471.71  735.3335585.75  737.2835977.14  736.6336411.97  736.63
36981.98     700   36988  697.6137143.85  631.8637312.69  627.4737338.48  627.62
37456.64  633.42 37954.5  655.7738398.07   681.2 38492.4  682.5338948.21  682.77
39102.14  664.5439159.73  664.5739557.95  701.4140063.89  718.63 40378.2  729.16
 40876.7  732.8941270.65  737.5341505.51  739.2941600.64  739.7242076.96  738.31
42706.86     74043069.36  738.99   43407   747.243540.07  746.8343612.75  744.18
43720.98  740.5444084.26  729.4544259.96     73044349.79     73045410.97  727.69
45510.01  723.2945737.29  713.6945976.48  704.4346061.41  700.8446274.92  700.84
46303.33   702.146482.46   709.646769.46  708.9747444.08  689.7847586.94  686.04
47817.12  681.0847939.27  681.6548489.57  713.4848800.24   730.249807.81  738.64
49982.96  740.2250485.33  748.0450622.48  750.5651510.27     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521704.63     .1522126.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21704.6322126.98             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.05    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            758.89    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1559051.00   79611.73   1133945.00
  E.G. Slope (ft/ft)      0.000317    Area (sq ft)            1559051.00   79611.73   1133945.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5223754.00   460372.20   2319008.00
  Top Width (ft)          47857.21    Top Width (ft)          18789.76     422.35   28645.11
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.35       5.78       2.05
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.97     188.50      39.59
  Conv. Total (cfs)       449696400.0    Conv. (cfs)            293522900.0   25868340.0   130305100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18816.69     423.79   28700.76
  Min Ch El (ft)            564.86    Shear (lb/sq ft)            1.64       3.71       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.49      21.48       1.60
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6432.24     330.62    4651.05
  C & E Loss (ft)             0.00    Cum SA (acres)             77.54       1.75     118.56


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266472.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.85  764.48  1417.9     760 1928.81     760 2327.28  760.82
 2410.12  760.82 2549.02     770 2758.85     770 2848.82  763.77 3156.54  740.96
 3689.14  725.36  3948.4  718.22 4557.71  702.53 4661.37  700.36 4793.77  699.05
 5587.68  687.59 5786.42  685.75 6032.31  681.04  6070.9  680.82 6748.75  680.82
 6996.96  667.25 7252.36  651.52 7353.07  650.82  7448.9  650.82 7574.11  651.84
 7849.39  684.12 7910.85  690.82  8094.7  672.46 8151.02  672.46 8190.63  672.27
 8323.52  682.29 8404.23  688.75 8534.36  699.74 8773.17  709.95 9164.85  711.64
 9402.69  711.64 9425.12   710.4 9568.56     702 9681.35  701.6410548.79  701.05
10886.86  676.8911197.29  652.8611226.27  643.4911383.14  642.4511630.33  661.85
11695.91  667.4312138.56  707.8612479.73     71012991.19  710.8212999.89  710.86
13183.87  699.3913413.56  683.6513479.51  683.5213602.52  697.8613789.27     720
 14162.4     72014219.94  719.3614309.68  719.8114592.14  724.39 14786.5  729.32
14860.48     73015293.25     73015835.98  727.5416022.54  723.7916039.75   720.6
16189.41  694.9116388.25  647.6916409.98  646.0916663.04  628.9217104.69   619.3
17219.03  619.1819597.75  619.1819818.68     62020194.96     620 20601.5  617.54
20772.84  617.5420866.77  608.3621118.57  599.1821659.72  590.1221667.14  589.87
21705.12     58021778.65  570.4921872.93  566.3921967.21  564.8622102.72  577.01
22127.62     58022212.05  645.8222274.62  646.9722483.77  664.8822547.76   669.5
22845.74  652.61 22925.2     65323809.84  700.2824106.45  714.66 24554.6  735.57
24818.31  748.3625057.97  734.9425599.22   703.825637.73  701.3825927.76  699.42
26084.19   726.326133.36  735.0826184.86  735.0826445.24   735.926835.58  727.95
26991.52  728.4527260.69  747.6527784.13   749.328004.55  742.06   28404  727.66
28803.19  712.4728862.79  712.3529616.41     73629687.18  738.3630775.77  738.36
31160.06  739.1832678.82  736.7233177.86  737.5433963.08  737.5434925.53  728.36
35101.33  728.3635474.94  735.3935589.01  737.3635980.47  736.7236415.39  736.72
36985.51     70036991.54  697.6137147.41   631.837316.29  627.5437342.08  627.69
37460.26  633.4837958.21  655.8738401.87  681.1738496.22  682.4638952.12   682.7
39106.08  664.4239163.68  664.4539561.98  701.3840068.02  718.6340382.39  729.18
40880.98  732.9241275.02  737.5241509.92  739.2941605.07  739.7342081.48  738.36
 42711.5     74043074.07  739.0243411.78  747.2843544.87  746.9243617.56  744.27
43725.81  740.6244089.16  729.47 44264.9     73044354.75     73045416.14  727.75
 45515.2  723.3545742.52  713.7245981.76  704.4246066.71  700.8246280.25  700.82
46308.68  702.0846487.84  709.6146774.89     70947449.64  689.8147592.53  686.05
47822.76  681.0547944.93   681.648495.34  713.4448806.07  730.1949813.84  738.64
49989.02  740.2150491.48  748.0350628.66  750.5551516.62     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521705.12     .1522127.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21705.1222127.62             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.05    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            758.89    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1559099.00   79641.32   1133602.00
  E.G. Slope (ft/ft)      0.000317    Area (sq ft)            1559099.00   79641.32   1133602.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5224651.00   460615.80   2317866.00
  Top Width (ft)          47863.76    Top Width (ft)          18790.46     422.50   28650.79
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.35       5.78       2.04
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  Max Chl Dpth (ft)          194.03    Hydr. Depth (ft)           82.97     188.50      39.57
  Conv. Total (cfs)        449630000.0    Conv. (cfs)            293530000.0   25878200.0   130221800.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18817.48     423.94   28706.60
  Min Ch El (ft)             564.86    Shear (lb/sq ft)            1.64       3.72       0.78
  Alpha                        1.26    Stream Power (lb/ft s)      5.49      21.49       1.60
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)     6253.64     321.50    4521.17
  C & E Loss (ft)              0.00    Cum SA (acres)             75.38       1.71     115.28


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266467.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.87  764.49 1417.93     760 1928.85     760 2327.33   760.8
 2410.18   760.8 2549.07     770 2758.92     770 2848.89  763.75 3156.61  740.93
 3689.23  725.38 3948.49  718.24 4557.81  702.54 4661.48  700.35 4793.87  699.02
 5587.81  687.56 5786.54  685.69 6032.44  681.01 6071.03   680.8  6748.9   680.8
 6997.12  667.19 7252.52  651.47 7353.23   650.8 7449.07   650.8 7574.28  651.79
 7849.57  684.08 7911.02   690.8 8094.88  672.39  8151.2  672.39 8190.81  672.21
 8323.71  682.27 8404.41  688.75 8534.55  699.75 8773.37  709.95 9165.06  711.59
 9402.89  711.59 9425.33  710.35 9568.77  701.94 9681.57  701.5910549.03  701.02
 10887.1  676.8111197.54  652.7811226.52  643.39 11383.4  642.3811630.59  661.88
11696.17  667.4712138.83  707.9212480.01     71012991.48   710.813000.18  710.83
13184.16  699.3113413.86  683.5413479.81  683.4213602.82   697.813789.58    720
14162.71     72014220.25  719.38   14310  719.8714592.46  724.4514786.83  729.34
14860.81     73015293.59     73015836.33  727.6116022.89  723.9716040.11  720.78
16189.77  695.0516388.62  647.7516410.34  646.1616663.41  628.9517105.07  619.32
17219.41   619.219598.19   619.219819.12     62020195.41     62020601.96  617.61
 20773.3  617.6120867.23  608.4121119.04   599.2 21660.2  590.1221667.62  589.87
 21705.6     58021779.26  570.4721873.71  566.3821968.15  564.8622103.41  577.03
22128.26     580 22212.7  645.9422275.29  647.0622484.48  664.8922548.48  669.51
22846.51  652.5422925.99  652.92 23810.8  700.1824107.47   714.624555.71  735.59
24819.47  748.4125059.18  734.9525600.54  703.7625639.06  701.3425929.14  699.43
 26085.6  726.4226134.78  735.2226186.29  735.2226446.72  736.0226837.14  728.01
26993.11  728.4927262.33  747.7227785.87  749.3228006.34  742.0428405.86  727.61
28805.13   712.428864.74  712.2829618.51  736.0429689.29  738.41 30778.1  738.41
31162.46   739.232681.51  736.8133180.65  737.6133966.02  737.6134928.66  728.41
35104.49  728.4135478.18  735.4635592.27  737.43 35983.8  736.81 36418.8  736.81
36989.04     70036995.06   697.637150.96  631.7537319.88  627.6137345.68  627.75
37463.88  633.5437961.93  655.9638405.67  681.1338500.04  682.3938956.04  682.62
39110.02  664.2939167.64  664.32   39566  701.3440072.15  718.6240386.58   729.2
40885.27  732.9641279.38  737.5241514.32  739.28 41609.5  739.73   42086  738.41
42716.14     74043078.79  739.0443416.55  747.3643549.67  747.0143622.38  744.36
43730.65   740.744094.07  729.4844269.84     73044359.71     730 45421.3  727.82
45520.39  723.4145747.75  713.7645987.04   704.4   46072   700.846285.59   700.8
46314.02  702.0646493.22  709.6246780.32  709.02 47455.2  689.8347598.12  686.07
47828.39  681.0247950.59  681.5548501.11   713.448811.89  730.1949819.86  738.64
49995.07  740.2150497.64  748.0350634.84  750.5351522.97     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21705.6     .1522128.26     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21705.622128.26             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.05    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             758.89    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                       Flow Area (sq ft)       1559144.00   79672.84   1133260.00
  E.G. Slope (ft/ft)      0.000317     Area (sq ft)            1559144.00   79672.84   1133260.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5225539.00   460871.20   2316723.00
  Top Width (ft)          47870.44    Top Width (ft)          18791.15     422.66   28656.63
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.35       5.78       2.04
  Max Chl Dpth (ft)          194.03    Hydr. Depth (ft)           82.97     188.50      39.55
  Conv. Total (cfs)       449563100.0    Conv. (cfs)            293536300.0   25888700.0   130138200.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18818.24     424.10   28712.58
  Min Ch El (ft)             564.86    Shear (lb/sq ft)            1.64       3.72       0.78
  Alpha                        1.26    Stream Power (lb/ft s)      5.49      21.50       1.60
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)     6075.04     312.37    4391.33
  C & E Loss (ft)              0.00    Cum SA (acres)             73.23       1.66     112.00


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266462.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1244.9   764.5 1417.96     760 1928.89     760 2327.38  760.77
 2410.23  760.77 2549.13     770 2758.98     770 2848.95  763.74 3156.68   740.9
 3689.31  725.39 3948.58  718.26 4557.91  702.54 4661.58  700.34 4793.98  698.99
 5587.93  687.53 5786.67  685.63 6032.58  680.98 6071.17  680.77 6749.05  680.77
 6997.27  667.13 7252.68  651.43 7353.39  650.77 7449.23  650.77 7574.44  651.74
 7849.74  684.04  7911.2  690.77 8095.06  672.32 8151.38  672.32 8190.99  672.14
 8323.89  682.25  8404.6  688.75 8534.74  699.76 8773.56  709.95 9165.26  711.55
  9403.1  711.55 9425.54   710.3 9568.98  701.89 9681.78  701.5510549.26  700.99
10887.34  676.7211197.79   652.711226.77  643.2911383.65  642.3111630.85  661.91
11696.42  667.51 12139.1  707.9812480.29     71012991.77  710.7713000.46  710.81
13184.46  699.2313414.16  683.4413480.11  683.3213603.12  697.7513789.89    720
14163.03     72014220.57   719.414310.31  719.9214592.79  724.5214787.15  729.36
14861.14     73015293.93     73015836.68  727.6816023.25  724.1416040.47  720.96
16190.12   695.216388.98  647.8216410.71  646.2216663.78  628.9917105.45  619.34
17219.79  619.2319598.62  619.2319819.56     62020195.86     62020602.41  617.68
20773.76  617.6820867.69  608.4521119.51  599.2321660.68  590.1221668.11  589.87
21706.08     58021779.87  570.4621874.48  566.3621969.09  564.8522104.09  577.05
 22128.9     58022213.36  646.0622275.96  647.1422485.18   664.922549.21  669.53
22847.29  652.4622926.78  652.8323811.77  700.0724108.49  714.5324556.83   735.6
24820.64  748.4525060.39  734.9625601.85  703.7125640.38   701.325930.52  699.45
   26087  726.54 26136.2  735.3626187.72  735.36 26448.2  736.1426838.69  728.07
26994.69  728.5327263.96  747.7927787.61  749.3428008.12  742.0228407.72  727.55
28807.07  712.3328866.69  712.21 29620.6  736.0829691.39  738.4530780.42  738.45
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31164.86  739.23 32684.2  736.9133183.43  737.6833968.96  737.6834931.79  728.45
35107.66  728.4535481.41  735.5235595.53  737.5135987.14  736.9136422.22  736.91
36992.57     70036998.59   697.637154.53   631.737323.47  627.6837349.28  627.82
 37467.5   633.637965.65  656.0538409.48   681.138503.86  682.3238959.95  682.54
39113.96  664.1639171.59  664.1939570.04   701.340076.27  718.6240390.77  729.23
40889.55  732.9941283.74  737.5141518.73  739.2841613.92  739.7442090.52  738.45
42720.79     740 43083.5  739.0743421.33  747.4443554.48  747.09 43627.2  744.44
43735.49  740.7744098.98   729.544274.79     73044364.67     73045426.47  727.88
45525.57  723.4745752.98  713.7945992.31  704.39 46077.3  700.7746290.93  700.77
46319.36  702.0446498.59  709.6446785.75  709.0547460.77  689.8647603.71  686.08
47834.03  680.9947956.24  681.5148506.87  713.3548817.72  730.1849825.88  738.63
50001.13   740.250503.79  748.0250641.02  750.5251529.32     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521706.08     .15 22128.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21706.08 22128.9             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.05    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.89    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1559165.00   79705.59   1132948.00
  E.G. Slope (ft/ft)      0.000317    Area (sq ft)            1559165.00   79705.59   1132948.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5226308.00   461137.50   2315688.00
  Top Width (ft)          47876.88    Top Width (ft)          18791.74     422.82   28662.32
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.35       5.79       2.04
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           82.97     188.51      39.53
  Conv. Total (cfs)       449496700.0    Conv. (cfs)            293536000.0   25899830.0   130060800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18818.90     424.26   28718.42
  Min Ch El (ft)            564.85    Shear (lb/sq ft)            1.64       3.72       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.50      21.51       1.60
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5896.43     303.24    4261.53
  C & E Loss (ft)             0.00    Cum SA (acres)             71.08       1.61     108.71


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266457.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1244.93  764.52 1417.99     760 1928.93     760 2327.43  760.75
 2410.29  760.75 2549.19     770 2759.04     770 2849.01  763.72 3156.75  740.88
 3689.39  725.41 3948.67  718.28 4558.01  702.55 4661.68  700.33 4794.09  698.96
 5588.06   687.5  5786.8  685.57 6032.71  680.95  6071.3  680.75  6749.2  680.75
 6997.43  667.07 7252.84  651.39 7353.56  650.75  7449.4  650.75 7574.61  651.69
 7849.91     684 7911.37  690.75 8095.24  672.25 8151.56  672.25 8191.17  672.08
 8324.08  682.23 8404.79  688.74 8534.93  699.76 8773.76  709.96 9165.46   711.5
 9403.31   711.5 9425.75  710.25 9569.19  701.83    9682   701.5 10549.5  700.96
10887.58  676.6411198.04  652.6211227.01  643.19 11383.9  642.2411631.11  661.94
11696.68  667.5612139.37  708.0412480.57     71012992.06  710.7513000.75  710.78
13184.75  699.1613414.46  683.3413480.41  683.2213603.42  697.6913790.19     720
14163.34     72014220.89  719.4114310.63  719.9714593.11  724.5814787.48  729.38
14861.47     73015294.27     73015837.03  727.75 16023.6  724.3216040.82  721.14
16190.49  695.3416389.34  647.8816411.07  646.2916664.15  629.0217105.83  619.36
17220.18  619.2519599.06  619.25   19820     620 20196.3     62020602.87  617.75
20774.22  617.7520868.16   608.521119.98  599.2521661.16  590.1321668.59  589.88
21706.56     58021780.48  570.4421875.25  566.3521970.02  564.8522104.78  577.07
22129.54     58022214.02  646.1822276.62  647.2322485.89  664.9222549.93  669.54
22848.07  652.3922927.58  652.7523812.74  699.9724109.52  714.4724557.94  735.62
 24821.8   748.5 25061.6  734.9725603.17  703.67 25641.7  701.26 25931.9  699.47
26088.41  726.6526137.62   735.526189.15   735.526449.68  736.2526840.25  728.13
26996.28  728.58 27265.6  747.8627789.35  749.36 28009.9     74228409.58  727.49
   28809  712.2628868.63  712.15 29622.7  736.12 29693.5   738.530782.74   738.5
31167.25  739.2532686.89     73733186.22  737.75 33971.9  737.7534934.91   728.5
35110.82   728.535484.64  735.5935598.78  737.5835990.47     73736425.64     737
36996.09     70037002.12  697.5937158.09  631.6537327.06  627.7537352.88  627.89
37471.12  633.6637969.37  656.1438413.28  681.0738507.69  682.2538963.86  682.47
 39117.9  664.0439175.54  664.0739574.06  701.26 40080.4  718.6240394.96  729.25
40893.84  733.02 41288.1   737.541523.14  739.2841618.35  739.7542095.04   738.5
42725.43     74043088.21   739.143426.11  747.5143559.28  747.1843632.02  744.53
43740.33  740.8544103.89  729.5144279.73     73044369.63     73045431.64  727.94
45530.76  723.5345758.21  713.8345997.59  704.3746082.59  700.7546296.26  700.75
 46324.7  702.0246503.97  709.6546791.18  709.0847466.33  689.88 47609.3   686.1
47839.66  680.96 47961.9  681.4648512.64  713.3148823.55  730.18 49831.9  738.63
50007.18  740.1950509.95  748.02 50647.2   750.551535.68     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521706.56     .1522129.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21706.5622129.54             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.05    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.88    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1559197.00   79736.73   1132597.00
  E.G. Slope (ft/ft)      0.000317    Area (sq ft)            1559197.00   79736.73   1132597.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5227191.00   461396.80   2314545.00
  Top Width (ft)          47883.54    Top Width (ft)          18792.40     422.98   28668.16
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.35       5.79       2.04
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.97     188.51      39.51
  Conv. Total (cfs)       449424000.0    Conv. (cfs)            293538200.0   25910200.0   129975600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18819.65     424.42   28724.40
  Min Ch El (ft)            564.85    Shear (lb/sq ft)            1.64       3.72       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.50      21.52       1.60
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5717.82     294.11    4131.77
  C & E Loss (ft)             0.00    Cum SA (acres)             68.93       1.56     105.43


CROSS SECTION
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RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266452.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1244.96  764.53 1418.02     760 1928.98     760 2327.48  760.73
 2410.34  760.73 2549.24     770  2759.1     770 2849.07  763.71 3156.82  740.85
 3689.47  725.42 3948.75   718.3 4558.12  702.56 4661.79  700.32 4794.19  698.93
 5588.18  687.47 5786.93   685.5 6032.84  680.92 6071.44  680.73 6749.35  680.73
 6997.59  667.01    7253  651.34 7353.72  650.73 7449.56  650.73 7574.78  651.63
 7850.09  683.96 7911.55  690.73 8095.42  672.18 8151.74  672.18 8191.36  672.01
 8324.26  682.21 8404.97  688.74 8535.12  699.77 8773.96  709.96 9165.67  711.45
 9403.52  711.45 9425.96   710.2 9569.41  701.77 9682.21  701.4510549.73  700.93
10887.82  676.5511198.28  652.5411227.26  643.0911384.16  642.1711631.37  661.97
11696.95   667.612139.64   708.112480.84     71012992.35  710.7313001.04  710.76
13185.04  699.0813414.76  683.2313480.71  683.1213603.73  697.63 13790.5     720
14163.65     720 14221.2  719.4314310.95  720.0214593.44  724.6414787.81   729.4
 14861.8     73015294.61     73015837.38  727.8216023.96   724.516041.18  721.32
16190.84  695.4916389.71  647.9516411.44  646.3616664.52  629.0517106.21  619.38
17220.56  619.27 19599.5  619.2719820.44     62020196.75     62020603.33  617.82
20774.69  617.8220868.62  608.5521120.45  599.2721661.64  590.1321669.07  589.88
21707.04     58021781.09  570.4321876.03  566.3421970.96  564.8522105.46  577.09
22130.18     58022214.67  646.2922277.29  647.32 22486.6  664.9322550.65  669.55
22848.85  652.3122928.37  652.6623813.71  699.8724110.54   714.424559.05  735.63
24822.96  748.5525062.81  734.9925604.48  703.6325643.02  701.2225933.27  699.48
26089.82  726.7726139.04  735.6426190.57  735.6426451.15  736.37 26841.8  728.19
26997.86  728.6227267.24  747.9227791.08  749.3828011.68  741.9828411.44  727.44
28810.94  712.1928870.58  712.0829624.79  736.1629695.61  738.5530785.06  738.55
31169.65  739.2732689.59   737.133189.01  737.8233974.84  737.8234938.04  728.55
35113.98  728.5535487.88  735.6535602.04  737.66 35993.8   737.136429.06   737.1
36999.62     70037005.65  697.5837161.64   631.637330.66  627.8237356.47  627.95
37474.74  633.7237973.08  656.2338417.09  681.0338511.51  682.1838967.77  682.39
39121.84  663.9139179.49  663.9439578.09  701.2240084.53  718.6140399.15  729.27
40898.12  733.0641292.46   737.541527.55  739.2841622.78  739.7642099.56  738.55
42730.07     74043092.92  739.1343430.89  747.5943564.09  747.2743636.83  744.62
43745.17  740.93 44108.8  729.5344284.68     73044374.59     730 45436.8  728.01
45535.95  723.5945763.45  713.8646002.87  704.3646087.88  700.73 46301.6  700.73
46330.04     70246509.34  709.6646796.61  709.1147471.89  689.9147614.89  686.11
 47845.3  680.9347967.56  681.4248518.41  713.2748829.37  730.1749837.93  738.63
50013.24  740.19 50516.1  748.0150653.39  750.4951542.04     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1521707.04     .1522130.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21707.0422130.18             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.05    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.88    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1559252.00   79767.76   1132236.00
  E.G. Slope (ft/ft)      0.000317    Area (sq ft)            1559252.00   79767.76   1132236.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5228143.00   461645.90   2313344.00
  Top Width (ft)          47889.99    Top Width (ft)          18792.99     423.14   28673.86
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.35       5.79       2.04
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.97     188.51      39.49
  Conv. Total (cfs)       449357900.0    Conv. (cfs)            293548500.0   25920380.0   129889100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18820.31     424.58   28730.25
  Min Ch El (ft)            564.85    Shear (lb/sq ft)            1.64       3.72       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.50      21.53       1.59
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5539.20     284.97    4002.04
  C & E Loss (ft)             0.00    Cum SA (acres)             66.77       1.51     102.14


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266447.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1244.98  764.54 1418.05     760 1929.02     760 2327.54   760.7
 2410.39   760.7  2549.3     770 2759.16     770 2849.14  763.69  3156.9  740.82
 3689.55  725.43 3948.84  718.32 4558.22  702.56 4661.89  700.31  4794.3  698.91
 5588.31  687.44 5787.06  685.44 6032.98  680.89 6071.57   680.7  6749.5   680.7
 6997.74  666.96 7253.16   651.3 7353.88   650.7 7449.73   650.7 7574.95  651.58
 7850.26  683.92 7911.73   690.7  8095.6  672.11 8151.92  672.11 8191.54  671.95
 8324.45  682.19 8405.16  688.74 8535.31  699.78 8774.15  709.96 9165.87  711.41
 9403.73  711.41 9426.17  710.15 9569.62  701.71 9682.43  701.4110549.97   700.9
10888.07  676.4711198.53  652.4611227.51  642.9911384.41   642.111631.63     662
11697.21  667.6512139.91  708.1712481.12     71012992.63   710.713001.33  710.73
13185.33     69913415.06  683.1313481.01  683.0213604.03  697.58 13790.8     720
14163.97     72014221.52  719.4514311.27  720.0714593.76   724.714788.14  729.42
14862.13     73015294.95     73015837.74  727.8916024.32  724.6816041.54   721.5
 16191.2  695.6416390.07  648.02 16411.8  646.4216664.89  629.0817106.59   619.4
17220.94   619.319599.93   619.319820.88     620 20197.2     62020603.79  617.89
20775.15  617.8920869.09  608.5921120.92   599.321662.12  590.1321669.55  589.89
21707.53     580 21781.7  570.42 21876.8  566.33 21971.9  564.8522106.15   577.1
22130.82     58022215.33  646.4122277.96   647.422487.31  664.9422551.37  669.57
22849.63  652.2422929.17  652.5723814.67  699.7724111.57  714.3424560.16  735.64
24824.12  748.5925064.02     73525605.79  703.5925644.34  701.1825934.65   699.5
26091.23  726.8926140.45  735.78   26192  735.7826452.63  736.4926843.36  728.25
26999.45  728.6727268.88  747.9927792.82   749.428013.46  741.96 28413.3  727.38
28812.88  712.1228872.53  712.0129626.89   736.229697.72  738.5930787.38  738.59
31172.04   739.332692.28  737.19 33191.8  737.8933977.78  737.8934941.17  728.59
35117.14  728.5935491.11  735.72 35605.3  737.7335997.13  737.1936432.48  737.19
37003.15     70037009.18  697.5837165.21  631.5537334.25  627.8937360.07  628.02
37478.36  633.78 37976.8  656.3238420.89     68138515.33  682.1138971.68  682.31
39125.78  663.7939183.45  663.8139582.12  701.1840088.66  718.6140403.34   729.3
40902.41  733.0941296.83  737.4941531.96  739.28 41627.2  739.7742104.08  738.59
42734.71     74043097.63  739.1643435.66  747.6743568.89  747.3643641.65  744.71
43750.01  741.0144113.71  729.5444289.62     73044379.55     73045441.97  728.07
45541.13  723.6545768.68   713.946008.14  704.3446093.18   700.746306.93   700.7
46335.38  701.9846514.72  709.6746802.05  709.1447477.45  689.9347620.48  686.13
47850.93   680.947973.22  681.3748524.17  713.23 48835.2  730.1749843.95  738.62
 50019.3  740.1850522.26  748.0150659.57  750.4751548.39     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521707.53     .1522130.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21707.5322130.82             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.04    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.88    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1559264.00   79797.52   1131920.00
  E.G. Slope (ft/ft)      0.000317    Area (sq ft)            1559264.00   79797.52   1131920.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5228914.00   461897.90   2312321.00
  Top Width (ft)          47896.67    Top Width (ft)          18793.68     423.29   28679.70
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.35       5.79       2.04
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.97     188.52      39.47
  Conv. Total (cfs)       449285300.0    Conv. (cfs)            293544300.0   25930340.0   129810600.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18821.09     424.73   28736.23
  Min Ch El (ft)            564.85    Shear (lb/sq ft)            1.64       3.72       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.50      21.54       1.59
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5360.58     275.83    3872.36
  C & E Loss (ft)             0.00    Cum SA (acres)             64.62       1.46      98.86


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266442.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1245.01  764.55 1418.09     760 1929.06     760 2327.59  760.68
 2410.45  760.68 2549.36    770 2759.22     770  2849.2  763.67 3156.97  740.79
 3689.64  725.45 3948.93  718.34 4558.32  702.57    4662   700.3 4794.41  698.88
 5588.43   687.4 5787.19  685.38 6033.11  680.86 6071.71  680.68 6749.65  680.68
  6997.9   666.9 7253.33  651.26 7354.05  650.68  7449.9  650.68 7575.12  651.53
 7850.44  683.88  7911.9  690.68 8095.78  672.04 8152.11  672.04 8191.72  671.88
 8324.63  682.17 8405.35  688.73  8535.5  699.79 8774.34  709.96 9166.08  711.36
 9403.94  711.36 9426.38   710.1 9569.83  701.66 9682.64  701.36 10550.2  700.87
10888.31  676.3811198.78  652.3711227.76  642.8911384.66  642.0311631.88  662.03
11697.46  667.6912140.18  708.23 12481.4     71012992.92  710.6813001.62  710.71
13185.63  698.9213415.35  683.0213481.31  682.9213604.33  697.5213791.11     720
14164.28     72014221.83  719.4714311.59  720.1214594.09  724.7714788.47  729.44
14862.46     73015295.29    73015838.09  727.9616024.67  724.8516041.89  721.68
16191.56  695.7816390.44  648.0816412.17  646.4916665.26  629.1117106.97  619.42
17221.32  619.3219600.37  619.3219821.32     62020197.65     62020604.25  617.96
20775.61  617.9620869.55  608.6421121.39  599.3221662.61  590.1321670.03  589.89
21708.01     58021782.31   570.421877.57  566.3221972.83  564.8522106.83  577.12
22131.46     58022215.98  646.5322278.63  647.4922488.02  664.9522552.09  669.58
22850.41  652.1622929.96  652.4923815.64  699.6724112.59  714.2724561.27  735.66
24825.29  748.6425065.22  735.0125607.11  703.5525645.67  701.1425936.03  699.52
26092.64  727.0126141.87  735.9226193.43  735.9226454.11  736.6126844.91   728.3
27001.03  728.7127270.51  748.0627794.56  749.4228015.25  741.9428415.16  727.32
28814.82  712.0528874.48  711.9529628.98  736.2429699.83  738.64 30789.7  738.64
31174.44  739.3232694.97  737.2833194.59  737.9633980.72  737.9634944.29  728.64
 35120.3  728.6435494.35  735.7835608.55  737.8136000.46  737.2836435.89  737.28
37006.68     70037012.71  697.5737168.77  631.4937337.84  627.9637363.67  628.08
37481.98  633.8437980.52  656.4238424.69  680.9738519.15  682.0438975.59  682.23
39129.72  663.6639187.39  663.6839586.15  701.1440092.79  718.6140407.52  729.32
 40906.7  733.1241301.19  737.4841536.37  739.2741631.63  739.77 42108.6  738.64
42739.35     74043102.35  739.1843440.44  747.7543573.69  747.4543646.47  744.79
43754.85  741.0944118.62  729.5644294.56     73044384.52     73045447.14  728.14
45546.32   723.745773.91  713.9346013.42  704.3346098.47  700.6846312.27  700.68
46340.72  701.96 46520.1  709.6846807.48  709.1747483.02  689.9647626.07  686.14
47856.57  680.8747978.88  681.3348529.94  713.1848841.02  730.1649849.97  738.62
50025.36  740.1850528.41     74850665.75  750.4551554.74     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521708.01     .1522131.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21708.0122131.46             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.04    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.88    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1559317.00   79828.98   1131584.00
  E.G. Slope (ft/ft)      0.000317    Area (sq ft)            1559317.00   79828.98   1131584.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5229803.00   462149.10   2311181.00
  Top Width (ft)          47903.36    Top Width (ft)          18794.38     423.45   28685.53
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.35       5.79       2.04
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.97     188.52      39.45
  Conv. Total (cfs)       449222100.0    Conv. (cfs)            293552900.0   25940790.0   129728400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18821.85     424.90   28742.22
  Min Ch El (ft)            564.85    Shear (lb/sq ft)            1.64       3.72       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.51      21.55       1.59
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5181.96     266.69    3742.71
  C & E Loss (ft)             0.00    Cum SA (acres)             62.47       1.41      95.57


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266437.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1245.04  764.56 1418.12     760 1929.11     760 2327.64  760.66
  2410.5  760.66 2549.41    770 2759.28     770 2849.26  763.66 3157.04  740.77
 3689.72  725.46 3949.02  718.36 4558.42  702.57  4662.1  700.29 4794.51  698.85
 5588.55  687.37 5787.32  685.32 6033.25  680.83 6071.84  680.66  6749.8  680.66
 6998.05  666.84 7253.49  651.21 7354.21  650.66 7450.06  650.66 7575.29  651.48
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 7850.61  683.83 7912.08  690.66 8095.96  671.97 8152.29  671.97  8191.9  671.82
 8324.82  682.15 8405.53  688.73 8535.69  699.79 8774.54  709.96 9166.28  711.31
 9404.15  711.31 9426.59  710.05 9570.04   701.6 9682.86  701.3110550.43  700.84
10888.55   676.311199.03  652.2911228.01  642.7911384.92  641.9611632.14  662.06
11697.72  667.7412140.45  708.2912481.68     71012993.21  710.6613001.91  710.69
13185.92  698.8413415.65  682.9213481.61  682.8213604.63  697.4713791.42     720
 14164.6     72014222.15  719.49 14311.9  720.1714594.41  724.83 14788.8  729.46
14862.79     73015295.63     73015838.44  728.0316025.03  725.0316042.25  721.86
16191.92  695.93 16390.8  648.1516412.53  646.5516665.63  629.1417107.36  619.44
17221.71  619.34 19600.8  619.3419821.76     620 20198.1     620 20604.7  618.03
20776.07  618.0320870.01  608.6921121.86  599.3421663.09  590.1321670.52  589.89
21708.49     58021782.92  570.3921878.35  566.3121973.77  564.8522107.52  577.14
 22132.1     58022216.64  646.65 22279.3  647.5822488.73  664.9722552.81   669.6
22851.19  652.0922930.76   652.4 23816.6  699.5724113.62  714.2124562.38  735.67
24826.45  748.6925066.43  735.0225608.42  703.5125646.99   701.125937.41  699.53
26094.05  727.1326143.29  736.0726194.86  736.0726455.59  736.7226846.47  728.36
27002.62  728.7627272.15  748.12 27796.3  749.4428017.03  741.9228417.02  727.26
28816.75  711.9828876.43  711.8829631.08  736.2829701.94  738.6930792.02  738.69
31176.83  739.3432697.66  737.3833197.38  738.0333983.66  738.0334947.42  728.69
35123.46  728.6935497.58  735.8535611.81  737.88 36003.8  737.3836439.31  737.38
37010.21     70037016.24  697.5737172.32  631.4437341.43  628.0337367.27  628.15
 37485.6   633.937984.23  656.51 38428.5  680.9338522.97  681.97 38979.5  682.16
39133.66  663.5339191.35  663.5639590.18   701.140096.91   718.640411.71  729.34
40910.98  733.1541305.55  737.4841540.77  739.2741636.05  739.7842113.12  738.69
42743.99     74043107.06  739.2143445.22  747.82 43578.5  747.5343651.29  744.88
43759.69  741.1644123.53  729.57 44299.5     73044389.48     73045452.31   728.2
45551.51  723.7645779.14  713.97 46018.7  704.3246103.77  700.66 46317.6  700.66
46346.06  701.9446525.47  709.6946812.91   709.247488.58  689.9847631.66  686.16
 47862.2  680.8447984.54  681.28 48535.7  713.1448846.85  730.1549855.99  738.62
50031.41  740.1750534.57     74850671.93  750.4451561.09     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521708.49     .15 22132.1     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21708.49 22132.1             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.04    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            758.88    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1559362.00   79859.39   1131237.00
  E.G. Slope (ft/ft)      0.000317    Area (sq ft)            1559362.00   79859.39   1131237.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5230710.00   462395.70   2310028.00
  Top Width (ft)          47909.77    Top Width (ft)          18794.93     423.61   28691.22
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.35       5.79       2.04
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.97     188.52      39.43
  Conv. Total (cfs)       449155600.0    Conv. (cfs)            293560400.0   25950790.0   129644500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18822.49     425.05   28748.06
  Min Ch El (ft)            564.85    Shear (lb/sq ft)            1.64       3.72       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.51      21.56       1.59
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5003.33     257.55    3613.10
  C & E Loss (ft)             0.00    Cum SA (acres)             60.31       1.37      92.29


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266432.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1245.07  764.57 1418.15     760 1929.15     760 2327.69  760.63
 2410.55  760.63 2549.47    770 2759.34     770 2849.33  763.64 3157.11  740.74
  3689.8  725.47  3949.1  718.39 4558.52  702.58  4662.2  700.28 4794.62  698.82
 5588.68  687.34 5787.45  685.26 6033.38   680.8 6071.97  680.63 6749.95  680.63
 6998.21  666.78 7253.65  651.17 7354.37  650.63 7450.23  650.63 7575.45  651.42
 7850.79  683.79 7912.25  690.63 8096.14   671.9 8152.47   671.9 8192.08  671.75
    8325  682.13 8405.72  688.73 8535.88   699.8 8774.74  709.96 9166.48  711.26
 9404.36  711.26  9426.8    710 9570.26  701.54 9683.07  701.2610550.67  700.81
10888.79  676.2211199.28  652.2111228.26  642.6911385.17  641.89 11632.4  662.09
11697.98  667.7812140.71  708.3512481.95     710 12993.5  710.63 13002.2  710.66
13186.21  698.7713415.95  682.8113481.91  682.7213604.94  697.4113791.72     720
14164.91     72014222.47  719.5114312.22  720.2214594.73  724.8914789.13  729.48
14863.12     73015295.97     73015838.79   728.116025.38  725.21 16042.6  722.04
16192.28  696.0716391.16  648.21 16412.9  646.62   16666  629.1717107.73  619.46
17222.09  619.3719601.24  619.37 19822.2     62020198.55     62020605.16   618.1
20776.53   618.120870.48  608.7421122.33  599.3721663.57  590.13   21671   589.9
21708.97     58021783.53  570.3821879.12   566.321974.71  564.8422108.21  577.16
22132.74     58022217.29  646.7722279.96  647.6622489.44  664.9822553.53  669.61
22851.97  652.0122931.55  652.3223817.57  699.4724114.64  714.1424563.49  735.69
24827.61  748.7425067.64  735.0425609.74  703.4725648.31  701.0625938.79  699.55
26095.46  727.2426144.71  736.2126196.29  736.2126457.07  736.8426848.02  728.42
 27004.2   728.827273.79  748.1927798.04  749.4628018.81  741.8928418.88  727.21
28818.69   711.928878.38  711.8129633.17  736.3229704.05  738.7430794.34  738.74
31179.23  739.3732700.35  737.4733200.16   738.1 33986.6   738.134950.55  728.74
35126.62  728.7435500.82  735.9135615.07  737.9636007.13  737.4736442.73  737.47
37013.73     70037019.77  697.5637175.88  631.3937345.03   628.137370.86  628.22
37489.22  633.9637987.95   656.6 38432.3   680.9 38526.8   681.938983.41  682.08
 39137.6  663.41 39195.3  663.4339594.21  701.0640101.04   718.6 40415.9  729.37
40915.27  733.1941309.91  737.4741545.18  739.2741640.48  739.7942117.64  738.74
42748.64     74043111.77  739.24   43450   747.9 43583.3  747.6243656.11  744.97
43764.52  741.2444128.44  729.5944304.45     73044394.44     73045457.48  728.26
45556.69  723.8245784.37     71446023.98   704.346109.06  700.6346322.94  700.63
 46351.4  701.9146530.85   709.746818.34  709.2247494.14  690.0147637.25  686.17
47867.84  680.81 47990.2  681.2348541.47   713.148852.68  730.1549862.02  738.61
50037.47  740.1650540.72  747.9950678.11  750.4251567.45     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521708.97     .1522132.74     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21708.9722132.74             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.04    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
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  W.S. Elev (ft)            758.88    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1559392.00   79891.34   1130893.00
  E.G. Slope (ft/ft)      0.000318    Area (sq ft)            1559392.00   79891.34   1130893.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5231569.00   462660.20   2308904.00
  Top Width (ft)          47916.45    Top Width (ft)          18795.62     423.77   28697.06
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.35       5.79       2.04
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           82.97     188.53      39.41
  Conv. Total (cfs)       449084200.0    Conv. (cfs)            293561900.0   25961500.0   129560800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18823.26     425.22   28754.06
  Min Ch El (ft)            564.84    Shear (lb/sq ft)            1.64       3.73       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.51      21.57       1.59
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4824.69     248.39    3483.53
  C & E Loss (ft)             0.00    Cum SA (acres)             58.16       1.32      89.00


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266427.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1245.1  764.58 1418.18     760 1929.19     760 2327.74  760.61
 2410.61  760.61 2549.53    770 2759.41     770 2849.39  763.63 3157.18  740.71
 3689.88  725.49 3949.19  718.41 4558.62  702.59 4662.31  700.27 4794.73   698.8
  5588.8  687.31 5787.57  685.2 6033.51  680.77 6072.11  680.61  6750.1  680.61
 6998.36  666.72 7253.81  651.13 7354.54  650.61 7450.39  650.61 7575.62  651.37
 7850.96  683.75 7912.43  690.61 8096.32  671.83 8152.65  671.83 8192.27  671.69
 8325.19  682.11 8405.91  688.72 8536.07  699.81 8774.93  709.96 9166.69  711.22
 9404.57  711.22    9427  709.95 9570.47  701.49 9683.29  701.22 10550.9  700.78
10889.03  676.1311199.53  652.1311228.51  642.5911385.42  641.8211632.66  662.12
11698.25  667.8312140.99  708.4112482.23     71012993.79  710.6113002.49  710.64
13186.51  698.6913416.25  682.7113482.21  682.6113605.24  697.3513792.03     720
14165.23     72014222.78  719.5214312.54  720.2714595.06  724.9514789.46   729.5
14863.45     73015296.31     73015839.15  728.1716025.74  725.3916042.96  722.22
16192.64  696.2216391.53  648.2816413.26  646.6916666.37   629.217108.12  619.48
17222.47  619.3919601.67  619.3919822.64     620   20199     62020605.62  618.17
20776.99  618.1720870.94  608.7821122.79  599.3921664.05  590.1321671.48   589.9
21709.46     58021784.14  570.3621879.89  566.2921975.64  564.8422108.89  577.18
22133.38     58022217.95  646.8922280.63  647.7522490.14  664.9922554.25  669.63
22852.75  651.9422932.34  652.2323818.54  699.3624115.66  714.0824564.61   735.7
24828.77  748.7825068.85  735.0525611.05  703.4225649.63  701.0225940.17  699.57
26096.87  727.3626146.12  736.3526197.71  736.3526458.55  736.9626849.58  728.48
27005.79  728.8427275.43  748.2627799.78  749.4828020.59  741.8728420.74  727.15
28820.63  711.8328880.33  711.7429635.27  736.3629706.16  738.7830796.66  738.78
31181.62  739.3932703.04  737.5633202.95  738.1733989.54  738.1734953.68  728.78
35129.79  728.7835504.05  735.9835618.32  738.0436010.46  737.5636446.14  737.56
37017.26     700 37023.3  697.5537179.45  631.3437348.62  628.1737374.46  628.28
37492.84  634.0237991.67  656.69 38436.1  680.8738530.62  681.8338987.32     682
39141.54  663.2839199.25   663.339598.24  701.0240105.17   718.640420.09  729.39
40919.55  733.2241314.28  737.4641549.59  739.2741644.91   739.842122.16  738.78
42753.28     74043116.48  739.2743454.77  747.98 43588.1  747.7143660.92  745.06
43769.36  741.3244133.35   729.644309.39     730 44399.4     73045462.64  728.33
45561.88  723.88 45789.6  714.0446029.25  704.2946114.35  700.6146328.27  700.61
46356.74  701.8946536.22  709.7146823.77  709.2547499.71  690.0347642.85  686.19
47873.48  680.7847995.86  681.1948547.23  713.06 48858.5  730.1449868.04  738.61
50043.52  740.1650546.88  747.9950684.29  750.41 51573.8     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521709.46     .1522133.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21709.4622133.38             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.04    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.87    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1559423.00   79921.06   1130580.00
  E.G. Slope (ft/ft)      0.000318    Area (sq ft)            1559423.00   79921.06   1130580.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5232371.00   462903.40   2307859.00
  Top Width (ft)          47922.88    Top Width (ft)          18796.21     423.92   28702.74
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.36       5.79       2.04
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.96     188.53      39.39
  Conv. Total (cfs)       449019400.0    Conv. (cfs)            293564500.0   25971400.0   129483500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18823.94     425.37   28759.89
  Min Ch El (ft)            564.84    Shear (lb/sq ft)            1.64       3.73       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.51      21.58       1.59
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4646.06     239.24    3354.00
  C & E Loss (ft)             0.00    Cum SA (acres)             56.01       1.27      85.71


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266422.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1245.12   764.6 1418.21     760 1929.23     760 2327.79  760.59
 2410.66  760.59 2549.58    770 2759.47     770 2849.45  763.61 3157.25  740.68
 3689.96   725.5 3949.28  718.43 4558.72  702.59 4662.41  700.26 4794.83  698.77
 5588.93  687.28  5787.7  685.13 6033.65  680.74 6072.24  680.59 6750.25  680.59
 6998.52  666.67 7253.97  651.08  7354.7  650.59 7450.56  650.59 7575.79  651.32
 7851.14  683.71  7912.6  690.59  8096.5  671.76 8152.83  671.76 8192.45  671.62
 8325.37  682.09 8406.09  688.72 8536.26  699.82 8775.12  709.97 9166.89  711.17
 9404.78  711.17 9427.21   709.9 9570.68  701.43  9683.5  701.1710551.14  700.75
10889.28  676.0511199.78  652.0511228.76  642.4911385.67  641.7511632.92  662.15
 11698.5  667.8712141.25  708.4712482.51     71012994.08  710.5913002.78  710.61
 13186.8  698.6113416.55  682.6113482.51  682.5113605.54   697.313792.34     720
14165.54     720 14223.1  719.5414312.86  720.3214595.38  725.0114789.78  729.52
14863.78     73015296.65     730 15839.5  728.24 16026.1  725.5616043.32   722.4
   16193  696.3616391.89  648.3516413.62  646.7516666.74  629.23 17108.5   619.5
17222.86  619.4119602.11  619.4119823.08     62020199.45     62020606.08  618.24
20777.46  618.24 20871.4  608.8321123.27  599.4121664.53  590.1321671.96   589.9
21709.94     58021784.75  570.3521880.67  566.2821976.58  564.8422109.58  577.19
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22134.02     58022218.61  647.01 22281.3  647.8322490.85     66522554.97  669.64
22853.53  651.8622933.14  652.14 23819.5  699.2624116.69  714.0124565.72  735.71
24829.94  748.8325070.06  735.0625612.37  703.3825650.95  700.9825941.54  699.58
26098.27  727.4826147.54  736.4926199.14  736.4926460.03  737.0726851.13  728.54
27007.37  728.8927277.06  748.3227801.52   749.528022.38  741.85 28422.6  727.09
28822.57  711.7628882.28  711.6829637.37   736.429708.27  738.8330798.98  738.83
31184.02  739.4132705.73  737.6633205.74  738.2433992.48  738.24 34956.8  728.83
35132.95  728.8335507.29  736.0435621.58  738.11 36013.8  737.6636449.56  737.66
37020.79     70037026.83  697.55   37183  631.2937352.21  628.2437378.06  628.35
37496.46  634.0837995.39  656.7838439.91  680.8338534.44  681.7638991.23  681.93
39145.48  663.15 39203.2  663.1839602.27  700.98 40109.3  718.5940424.28  729.41
40923.84  733.2541318.64  737.46   41554  739.2741649.34  739.8142126.68  738.83
42757.92     740 43121.2   739.343459.55  748.0643592.91   747.843665.74  745.14
 43774.2   741.444138.26  729.6244314.34     73044404.36     73045467.81  728.39
45567.07  723.9445794.83  714.0746034.53  704.2746119.65  700.5946333.61  700.59
46362.09  701.87 46541.6  709.72 46829.2  709.2847505.27  690.0647648.44  686.21
47879.11  680.7548001.52  681.14   48553  713.0148864.33  730.1449874.06  738.61
50049.58  740.1550553.03  747.9850690.47  750.3951580.16     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521709.94     .1522134.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21709.9422134.02             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.04    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.87    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1559472.00   79952.64   1130238.00
  E.G. Slope (ft/ft)      0.000318    Area (sq ft)            1559472.00   79952.64   1130238.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5233263.00   463158.70   2306712.00
  Top Width (ft)          47929.57    Top Width (ft)          18796.91     424.08   28708.59
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.36       5.79       2.04
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.96     188.53      39.37
  Conv. Total (cfs)       448954000.0    Conv. (cfs)            293571800.0   25981940.0   129400300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18824.71     425.53   28765.89
  Min Ch El (ft)            564.84    Shear (lb/sq ft)            1.64       3.73       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.52      21.59       1.59
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4467.41     230.08    3224.51
  C & E Loss (ft)             0.00    Cum SA (acres)             53.85       1.22      82.42


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266417.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1245.15  764.61 1418.24     760 1929.28     760 2327.85  760.56
 2410.71  760.56 2549.64     770 2759.53     770 2849.52  763.59 3157.32  740.66
 3690.05  725.51 3949.37  718.45 4558.83   702.6 4662.51  700.25 4794.94  698.74
 5589.05  687.25 5787.83  685.07 6033.78  680.71 6072.38  680.56  6750.4  680.56
 6998.67  666.61 7254.13  651.04 7354.86  650.56 7450.72  650.56 7575.96  651.26
 7851.31  683.67 7912.78  690.56 8096.68  671.69 8153.01  671.69 8192.63  671.56
 8325.56  682.07 8406.28  688.72 8536.45  699.82 8775.32  709.97 9167.09  711.12
 9404.98  711.12 9427.42  709.85  9570.9  701.37 9683.72  701.1210551.37  700.72
10889.52  675.9611200.03  651.9611229.01  642.3911385.93  641.6811633.18  662.18
11698.76  667.9112141.52  708.5312482.79     71012994.37  710.5613003.07  710.59
13187.09  698.5313416.84   682.513482.81  682.4113605.84  697.2413792.64     720
14165.86     72014223.41  719.5614313.18  720.3714595.71  725.0814790.11  729.54
14864.11     73015296.99     73015839.85  728.3116026.45  725.7416043.67  722.58
16193.36  696.5116392.26  648.4116413.99  646.8216667.11  629.2617108.88  619.52
17223.24  619.4419602.54  619.4419823.52     62020199.89     62020606.54  618.31
20777.92  618.3120871.87  608.8821123.73  599.4421665.01  590.1321672.44  589.91
21710.42     58021785.36  570.3321881.44  566.2721977.52  564.8422110.26  577.21
22134.66     58022219.26  647.1322281.97  647.9222491.56  665.02 22555.7  669.65
 22854.3  651.7922933.93  652.0623820.47  699.1624117.71  713.9524566.83  735.73
 24831.1  748.8825071.27  735.0725613.68  703.3425652.28  700.9525942.92   699.6
26099.68   727.626148.96  736.6326200.57  736.6326461.51  737.1926852.69   728.6
27008.96  728.93 27278.7  748.3927803.26  749.5228024.16  741.8328424.46  727.04
 28824.5  711.6928884.22  711.6129639.46  736.4529710.38  738.88 30801.3  738.88
31186.42  739.4432708.42  737.7533208.53  738.3133995.43  738.3134959.93  728.88
35136.11  728.8835510.52  736.1135624.84  738.1936017.13  737.7536452.98  737.75
37024.32     70037030.36  697.5437186.56  631.24 37355.8  628.3137381.66  628.41
37500.09  634.1437999.11  656.8738443.71   680.838538.26  681.6938995.14  681.85
39149.42  663.0339207.16  663.05 39606.3  700.9440113.42  718.5940428.47  729.44
40928.12  733.29   41323  737.4541558.41  739.2741653.76  739.81 42131.2  738.88
42762.56     74043125.91  739.3343464.33  748.1343597.71  747.8943670.56  745.23
43779.04  741.4844143.17  729.6344319.28     73044409.32     73045472.98  728.46
45572.25     72445800.06  714.1146039.81  704.2646124.94  700.5646338.95  700.56
46367.43  701.8546546.98  709.7446834.64  709.3147510.83  690.0847654.03  686.22
47884.75  680.7248007.18   681.148558.77  712.9748870.16  730.1349880.08   738.6
50055.64  740.1550559.18  747.9850696.65  750.3851586.51     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521710.42     .1522134.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21710.4222134.66             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.03    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.87    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1559505.00   79984.24   1129863.00
  E.G. Slope (ft/ft)      0.000318    Area (sq ft)            1559505.00   79984.24   1129863.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5234194.00   463424.60   2305515.00
  Top Width (ft)          47936.08    Top Width (ft)          18797.56     424.24   28714.27
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.36       5.79       2.04
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.96     188.54      39.35
  Conv. Total (cfs)       448878200.0    Conv. (cfs)            293574500.0   25992470.0   129311300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18825.44     425.69   28771.73
  Min Ch El (ft)            564.84    Shear (lb/sq ft)            1.64       3.73       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.52      21.60       1.59
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4288.77     220.92    3095.06
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  C & E Loss (ft)             0.00    Cum SA (acres)             51.70       1.17      79.14


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266412.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1245.18  764.62 1418.28     760 1929.32     760  2327.9  760.54
 2410.77  760.54  2549.7     770 2759.59     770 2849.58  763.58 3157.39  740.63
 3690.13  725.53 3949.46  718.47 4558.93  702.61 4662.62  700.24 4795.05  698.71
 5589.18  687.21 5787.96  685.01 6033.92  680.68 6072.51  680.54 6750.55  680.54
 6998.83  666.55 7254.29     651 7355.03  650.54 7450.89  650.54 7576.13  651.21
 7851.48  683.63 7912.96  690.54 8096.86  671.62 8153.19  671.62 8192.81  671.49
 8325.74  682.05 8406.47  688.72 8536.64  699.83 8775.51  709.97  9167.3  711.08
 9405.19  711.08 9427.63   709.8 9571.11  701.31 9683.93  701.0810551.61  700.69
10889.76  675.8811200.28  651.8811229.26   642.311386.18  641.6111633.44  662.21
11699.02  667.9612141.79  708.5912483.06     71012994.66  710.5413003.35  710.56
13187.39  698.4513417.14   682.413483.11  682.3113606.15  697.1813792.95     720
14166.17     72014223.73  719.58 14313.5  720.4214596.03  725.1414790.44  729.55
14864.44     73015297.33     730 15840.2  728.3816026.81  725.9216044.03  722.76
16193.72  696.6516392.62  648.4816414.36  646.8916667.48  629.2917109.26  619.54
17223.62  619.4619602.98  619.4619823.96     62020200.34     62020606.99  618.38
20778.38  618.3820872.33  608.92 21124.2  599.46 21665.5  590.1321672.92  589.91
 21710.9     58021785.97  570.3221882.21  566.2521978.45  564.8422110.95  577.23
22135.29     58022219.92  647.2522282.64  648.0122492.27  665.0322556.42  669.67
22855.08  651.7122934.73  651.9723821.44  699.0624118.74  713.8824567.94  735.74
24832.26  748.9225072.48  735.09   25615   703.3 25653.6  700.91 25944.3  699.62
26101.09  727.7226150.38  736.77   26202  736.7726462.99  737.3126854.24  728.66
27010.54  728.9827280.34  748.46   27805  749.5428025.94  741.8128426.32  726.98
28826.44  711.6228886.17  711.5429641.55  736.4929712.49  738.9230803.62  738.92
31188.81  739.4632711.11  737.8533211.31  738.3833998.36  738.3834963.06  728.92
35139.27  728.9235513.75  736.1735628.09  738.2636020.46  737.85 36456.4  737.85
37027.85     70037033.89  697.5437190.12  631.1937359.39  628.3837385.25  628.48
37503.71   634.238002.82  656.9638447.51  680.7738542.08  681.6238999.05  681.77
39153.36   662.939211.11  662.9239610.32   700.940117.55  718.5840432.66  729.46
40932.41  733.3241327.36  737.4541562.81  739.2641658.19  739.8242135.71  738.92
 42767.2     74043130.62  739.3543469.11  748.2143602.51  747.9843675.38  745.32
43783.88  741.5544148.08  729.6544324.22     73044414.28     73045478.14  728.52
45577.44  724.0645805.29  714.1446045.09  704.2446130.23  700.5446344.28  700.54
46372.77  701.8346552.35  709.7546840.07  709.3447516.39  690.1147659.62  686.24
47890.38  680.6948012.84  681.0548564.54  712.9348875.98  730.1349886.11   738.6
 50061.7  740.1450565.34  747.9750702.83  750.3651592.86     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 21710.9    .1522135.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21710.922135.29             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.03    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.87    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1559542.00   80013.86   1129544.00
  E.G. Slope (ft/ft)      0.000318    Area (sq ft)            1559542.00   80013.86   1129544.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5235027.00   463668.20   2304438.00
  Top Width (ft)          47942.66    Top Width (ft)          18798.15     424.39   28720.12
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.36       5.79       2.04
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.96     188.54      39.33
  Conv. Total (cfs)       448814100.0    Conv. (cfs)            293579300.0   26002420.0   129232400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18826.11     425.84   28777.72
  Min Ch El (ft)            564.84    Shear (lb/sq ft)            1.64       3.73       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.52      21.61       1.59
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4110.12     211.76    2965.64
  C & E Loss (ft)             0.00    Cum SA (acres)             49.55       1.12      75.85


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266407.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1245.21  764.63 1418.31     760 1929.36     760 2327.95  760.52
 2410.82  760.52 2549.75     770 2759.65     770 2849.64  763.56 3157.46   740.6
 3690.21  725.54 3949.54  718.49 4559.03  702.61 4662.72  700.23 4795.15  698.68
  5589.3  687.18 5788.09  684.95 6034.05  680.66 6072.65  680.52  6750.7  680.52
 6998.99  666.49 7254.45  650.95 7355.19  650.52 7451.05  650.52  7576.3  651.16
 7851.66  683.59 7913.13  690.52 8097.04  671.55 8153.37  671.55    8193  671.43
 8325.93  682.03 8406.65  688.71 8536.83  699.84 8775.71  709.97  9167.5  711.03
  9405.4  711.03 9427.84  709.75 9571.32  701.26 9684.15  701.0310551.84  700.66
   10890  675.7911200.52   651.811229.51   642.211386.43  641.5411633.69  662.24
11699.28     66812142.06  708.6512483.34     71012994.95  710.5213003.64  710.54
13187.68  698.3813417.44  682.2913483.41  682.2113606.45  697.1313793.26     720
14166.49     72014224.05   719.614313.81  720.4714596.36   725.214790.77  729.57
14864.77     73015297.67     73015840.55  728.4516027.17   726.116044.39  722.94
16194.08   696.816392.99  648.5416414.72  646.9516667.85  629.3217109.63  619.56
   17224  619.4819603.42  619.48 19824.4     62020200.79     62020607.45  618.45
20778.84  618.45 20872.8  608.9721124.67  599.4821665.98  590.13 21673.4  589.92
21711.39     58021786.58  570.3121882.99  566.2421979.39  564.8422111.63  577.25
22135.93     58022220.57  647.37 22283.3  648.0922492.98  665.0422557.14  669.68
22855.86  651.6422935.52  651.89 23822.4  698.9624119.76  713.8224569.05  735.76
24833.42  748.9725073.69   735.125616.31  703.2625654.92  700.8725945.68  699.63
 26102.5  727.83 26151.8  736.9126203.43  736.9126464.46  737.4226855.79  728.71
27012.13  729.0227281.98  748.5327806.74  749.5628027.72  741.7928428.18  726.92
28828.38  711.5528888.12  711.4829643.65  736.53 29714.6  738.9730805.95  738.97
31191.21  739.48 32713.8  737.94 33214.1  738.45 34001.3  738.4534966.19  728.97
35142.44  728.9735516.99  736.2435631.35  738.34 36023.8  737.9436459.82  737.94
37031.38     70037037.42  697.5337193.68  631.1337362.99  628.4537388.85  628.55
37507.32  634.2638006.54  657.0638451.32  680.7338545.91  681.5539002.96   681.7
 39157.3  662.7839215.06  662.7939614.36  700.8640121.68  718.5840436.84  729.48
 40936.7  733.3541331.73  737.4441567.22  739.2641662.61  739.8342140.23  738.97
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42771.84     74043135.33  739.3843473.89  748.2943607.32  748.06 43680.2  745.41
43788.72  741.6344152.99  729.6644329.17     73044419.24     73045483.31  728.59
45582.62  724.1245810.52  714.1846050.36  704.2346135.53  700.5246349.62  700.52
46378.11  701.8146557.73  709.76 46845.5  709.3747521.96  690.1347665.21  686.25
47896.02  680.66 48018.5  681.01 48570.3  712.8948881.81  730.1249892.13   738.6
50067.75  740.1350571.49  747.9750709.02  750.3451599.21     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521711.39    .1522135.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21711.3922135.93             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.03    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.87    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1559595.00   80042.85   1129195.00
  E.G. Slope (ft/ft)      0.000318    Area (sq ft)            1559595.00   80042.85   1129195.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5235954.00   463907.00   2303272.00
  Top Width (ft)          47949.35    Top Width (ft)          18798.85     424.54   28725.96
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.36       5.80       2.04
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.96     188.54      39.31
  Conv. Total (cfs)       448747700.0    Conv. (cfs)            293587800.0   26011960.0   129147900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18826.89     425.99   28783.72
  Min Ch El (ft)            564.84    Shear (lb/sq ft)            1.64       3.73       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.52      21.62       1.59
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3931.46     202.59    2836.27
  C & E Loss (ft)             0.00    Cum SA (acres)             47.39       1.07      72.56


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266402.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1245.23  764.64 1418.34     760 1929.41     760    2328  760.49
 2410.88  760.49 2549.81     770 2759.71     770 2849.71  763.55 3157.53  740.57
 3690.29  725.56 3949.63  718.51 4559.13  702.62 4662.82  700.22 4795.26  698.66
 5589.42  687.15 5788.22  684.89 6034.18  680.63 6072.78  680.49 6750.85  680.49
 6999.14  666.43 7254.61  650.91 7355.35  650.49 7451.22  650.49 7576.46  651.11
 7851.83  683.55 7913.31  690.49 8097.22  671.48 8153.56  671.48 8193.18  671.36
 8326.11  682.01 8406.84  688.71 8537.02  699.84 8775.91  709.97  9167.7  710.98
 9405.61  710.98 9428.05   709.7 9571.53   701.2 9684.37  700.9810552.08  700.63
10890.24  675.7111200.77  651.7211229.76   642.111386.69  641.4711633.95  662.27
11699.54  668.0512142.33  708.7212483.62     71012995.23  710.4913003.93  710.51
13187.97   698.313417.74  682.1913483.71  682.1113606.75  697.0713793.56     720
 14166.8     72014224.36  719.6214314.13  720.5214596.68  725.26 14791.1  729.59
 14865.1     73015298.01     73015840.91  728.5216027.52  726.2716044.74  723.12
16194.44  696.9416393.35  648.6116415.08  647.0216668.22  629.3517110.02  619.58
17224.39  619.5119603.85  619.5119824.85     62020201.24     62020607.91  618.52
 20779.3  618.5220873.26  609.0221125.14  599.5121666.46  590.1321673.89  589.92
21711.87     58021787.19  570.2921883.76  566.2321980.33  564.8322112.32  577.26
22136.57     58022221.23  647.4922283.97  648.1822493.69  665.0522557.86   669.7
22856.64  651.5722936.32   651.823823.37  698.8624120.79  713.7524570.16  735.77
24834.59  749.02 25074.9  735.1125617.62  703.2225656.24  700.8325947.06  699.65
26103.91  727.9526153.22  737.0526204.86  737.0526465.94  737.5426857.35  728.77
27013.71  729.0727283.61  748.5927808.48  749.58 28029.5  741.7728430.04  726.87
28830.31  711.4828890.07  711.4129645.75  736.5729716.71  739.0230808.27  739.02
 31193.6  739.5132716.49  738.0333216.89  738.5234004.25  738.5234969.32  729.02
 35145.6  729.0235520.23   736.335634.61  738.4136027.13  738.0336463.23  738.03
 37034.9     70037040.95  697.5237197.24  631.0837366.58  628.5237392.45  628.61
37510.95  634.3238010.26  657.1538455.12   680.738549.73  681.4839006.88  681.62
39161.25  662.6539219.01  662.6739618.38  700.83 40125.8  718.5840441.04  729.51
40940.98  733.3941336.09  737.4341571.63  739.2641667.04  739.8442144.75  739.02
42776.48     74043140.04  739.4143478.66  748.3743612.12  748.1543685.01  745.49
43793.56  741.71 44157.9  729.6844334.11     730 44424.2     73045488.48  728.65
45587.81  724.1845815.76  714.2146055.64  704.2246140.82  700.4946354.95  700.49
46383.45  701.7946563.11  709.7746850.93   709.447527.52  690.16 47670.8  686.27
47901.65  680.6348024.15  680.9648576.07  712.8548887.64  730.1249898.15  738.59
50073.81  740.1350577.64  747.96 50715.2  750.3351605.57     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521711.87    .1522136.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21711.8722136.57             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.03    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.87    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1559614.00   80076.86   1128836.00
  E.G. Slope (ft/ft)      0.000318    Area (sq ft)            1559614.00   80076.86   1128836.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5236813.00   464193.50   2302127.00
  Top Width (ft)          47955.78    Top Width (ft)          18799.43     424.70   28731.65
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.36       5.80       2.04
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           82.96     188.55      39.29
  Conv. Total (cfs)       448672400.0    Conv. (cfs)            293586700.0   26023660.0   129062000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18827.55     426.16   28789.57
  Min Ch El (ft)            564.83    Shear (lb/sq ft)            1.65       3.73       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.52      21.64       1.59
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3752.80     193.42    2706.94
  C & E Loss (ft)             0.00    Cum SA (acres)             45.24       1.03      69.26


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266397.*

INPUT
Description:
Station Elevation Data    num=     174
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1245.26  764.65 1418.37     760 1929.45     760 2328.05  760.47
 2410.93  760.47 2549.87     770 2759.77     770 2849.77  763.53  3157.6  740.55
 3690.37  725.57 3949.72  718.53 4559.23  702.63 4662.93  700.21 4795.37  698.63
 5589.55  687.12 5788.35  684.82 6034.32   680.6 6072.92  680.47    6751  680.47
  6999.3  666.37 7254.78  650.87 7355.52  650.47 7451.38  650.47 7576.63  651.05
 7852.01  683.51 7913.48  690.47  8097.4  671.41 8153.74  671.41 8193.36   671.3
  8326.3  681.99 8407.03  688.71 8537.21  699.85  8776.1  709.97 9167.91  710.94
 9405.82  710.94 9428.26  709.65 9571.75  701.14 9684.58  700.9410552.31   700.6
10890.49  675.6211201.02  651.6411230.01     64211386.94   641.411634.21   662.3
 11699.8  668.09 12142.6  708.78 12483.9     71012995.52  710.4713004.22  710.49
13188.26  698.2213418.04  682.0913484.01  682.0113607.05  697.0113793.87     720
14167.12     72014224.68  719.6314314.45  720.57   14597  725.3314791.43  729.61
14865.43     73015298.35     73015841.26  728.5916027.88  726.45 16045.1   723.3
 16194.8  697.0916393.71  648.6816415.45  647.0916668.59  629.39 17110.4   619.6
17224.77  619.5319604.29  619.5319825.29     62020201.69     62020608.37  618.59
20779.77  618.5920873.72  609.0621125.61  599.5321666.94  590.1321674.37  589.92
21712.35     580 21787.8  570.2821884.53  566.2221981.26  564.83   22113  577.28
22137.21     58022221.88  647.6122284.64  648.27 22494.4  665.0722558.58  669.71
22857.42  651.4922937.11  651.7223824.33  698.7624121.81  713.6924571.27  735.79
24835.75  749.0625076.11  735.1225618.94  703.1825657.56  700.7925948.43  699.67
26105.32  728.0726154.63  737.1926206.29  737.1926467.42  737.66 26858.9  728.83
 27015.3  729.1127285.25  748.6627810.21   749.628031.29  741.75 28431.9  726.81
28832.25  711.4128892.02  711.3429647.84  736.6129718.81  739.0630810.59  739.06
   31196  739.5332719.19  738.1333219.68  738.5934007.19  738.5934972.45  729.06
35148.76  729.0635523.46  736.3735637.86  738.4936030.46  738.1336466.65  738.13
37038.43     70037044.48  697.52 37200.8  631.0337370.17  628.5937396.05  628.68
37514.57  634.3838013.97  657.2438458.93  680.6738553.55  681.4139010.79  681.54
39165.19  662.5239222.96  662.5439622.41  700.7940129.93  718.5740445.22  729.53
40945.27  733.4241340.45  737.4341576.04  739.2641671.47  739.8442149.27  739.06
42781.12     74043144.75  739.4443483.44  748.4543616.93  748.2443689.83  745.58
43798.39  741.7944162.81  729.6944339.05     73044429.16     73045493.65  728.71
   45593  724.2445820.99  714.2546060.92   704.246146.12  700.4746360.29  700.47
46388.79  701.7746568.48  709.7846856.36  709.4347533.08  690.1847676.39  686.28
47907.29   680.648029.81  680.9148581.83   712.848893.46  730.1149904.18  738.59
50079.86  740.12 50583.8  747.9650721.38  750.3151611.92     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521712.35     .1522137.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21712.3522137.21             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.03    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            758.87    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)        1559647.00   80107.59   1128512.00
  E.G. Slope (ft/ft)      0.000318    Area (sq ft)             1559647.00   80107.59   1128512.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5237642.00   464442.50   2301048.00
  Top Width (ft)          47962.45    Top Width (ft)           18800.09     424.86   28737.49
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)             3.36       5.80       2.04
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)            82.96     188.55      39.27
  Conv. Total (cfs)       448605700.0    Conv. (cfs)            293589500.0   26033750.0   128982400.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         18828.29     426.32   28795.56
  Min Ch El (ft)            564.83    Shear (lb/sq ft)             1.65       3.73       0.78
  Alpha                       1.26    Stream Power (lb/ft s)       5.53      21.65       1.59
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      3574.14     184.25    2577.64
  C & E Loss (ft)             0.00    Cum SA (acres)              43.09       0.98      65.97


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266392.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1245.29  764.66  1418.4     760 1929.49     760  2328.1  760.45
 2410.98  760.45 2549.92     770 2759.83     770 2849.83  763.52 3157.67  740.52
 3690.46  725.58 3949.81  718.55 4559.33  702.63 4663.03   700.2 4795.47   698.6
 5589.67  687.09 5788.47  684.76 6034.45  680.57 6073.05  680.45 6751.15  680.45
 6999.45  666.32 7254.94  650.82 7355.68  650.45 7451.55  650.45  7576.8     651
 7852.18  683.47 7913.66  690.45 8097.58  671.33 8153.92  671.33 8193.54  671.23
 8326.48  681.97 8407.21   688.7  8537.4  699.86 8776.29  709.97 9168.11  710.89
 9406.03  710.89 9428.47   709.6 9571.96  701.09 9684.79  700.8910552.54  700.57
10890.73  675.5411201.27  651.5611230.26   641.911387.19  641.3311634.47  662.33
11700.06  668.1412142.87  708.8412484.17     71012995.81  710.4513004.51  710.47
13188.56  698.1413418.33  681.9813484.31  681.9113607.35  696.9613794.18     720
14167.43     72014224.99  719.6514314.77  720.6214597.33  725.3914791.75  729.63
14865.76     73015298.69     73015841.61  728.6716028.23  726.6316045.46  723.48
16195.16  697.2416394.08  648.7416415.81  647.1516668.96  629.4217110.78  619.62
17225.15  619.5519604.72  619.5519825.73     62020202.14     62020608.82  618.67
20780.23  618.6720874.19  609.1121126.08  599.5521667.42  590.1321674.85  589.93
21712.83     58021788.41  570.2621885.31  566.21 21982.2  564.8322113.69   577.3
22137.85     58022222.54  647.7322285.31  648.3522495.11  665.08 22559.3  669.73
 22858.2  651.4222937.91  651.63 23825.3  698.6624122.83  713.6324572.38   735.8
24836.91  749.1125077.31  735.1425620.25  703.1425658.88  700.7525949.81  699.68
26106.72  728.1926156.05  737.3326207.71  737.33 26468.9  737.7826860.46  728.89
27016.88  729.1627286.89  748.7327811.96  749.6228033.07  741.7328433.76  726.75
28834.19  711.3428893.97  711.2729649.94  736.6529720.92  739.1130812.91  739.11
31198.39  739.5532721.88  738.2233222.46  738.6734010.12  738.6734975.57  729.11
35151.92  729.11 35526.7  736.4335641.12  738.56 36033.8  738.2236470.07  738.22
37041.96     700   37048  697.5137204.36  630.9837373.77  628.6737399.64  628.74
37518.19  634.4438017.69  657.3338462.73  680.6338557.37  681.33 39014.7  681.46
39169.12   662.439226.91  662.4139626.44  700.7540134.06  718.5740449.41  729.55
40949.55  733.4541344.81  737.4241580.45  739.2641675.89  739.8542153.79  739.11
42785.77     74043149.47  739.4743488.22  748.5243621.73  748.3343694.65  745.67
43803.23  741.8744167.72  729.71   44344     73044434.12     73045498.82  728.78
45598.19   724.345826.22  714.28 46066.2  704.1946151.41  700.4546365.62  700.45
46394.13  701.7546573.86  709.7946861.79  709.4547538.64  690.2147681.98   686.3
47912.92  680.5748035.47  680.87 48587.6  712.7648899.29   730.1 49910.2  738.59
50085.92  740.1250589.95  747.9550727.56   750.351618.28     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521712.83     .1522137.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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      21712.8322137.85             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.03    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.86    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1559687.00   80138.95   1128158.00
  E.G. Slope (ft/ft)      0.000318    Area (sq ft)            1559687.00   80138.95   1128158.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5238546.00   464700.80   2299887.00
  Top Width (ft)          47968.88    Top Width (ft)          18800.67     425.02   28743.18
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.36       5.80       2.04
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.96     188.55      39.25
  Conv. Total (cfs)       448536600.0    Conv. (cfs)            293595000.0   26044220.0   128897500.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18828.96     426.48   28801.40
  Min Ch El (ft)            564.83    Shear (lb/sq ft)            1.65       3.73       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.53      21.66       1.59
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3395.47     175.07    2448.38
  C & E Loss (ft)             0.00    Cum SA (acres)             40.93       0.93      62.68


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266387.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1245.32  764.68 1418.43     760 1929.53     760 2328.16  760.42
 2411.04  760.42 2549.98     770  2759.9     770  2849.9   763.5 3157.74  740.49
 3690.54   725.6 3949.89  718.57 4559.43  702.64 4663.13  700.19 4795.58  698.57
  5589.8  687.06  5788.6   684.7 6034.59  680.54 6073.19  680.42  6751.3  680.42
 6999.61  666.26  7255.1  650.78 7355.84  650.42 7451.72  650.42 7576.97  650.95
 7852.36  683.43 7913.83  690.42 8097.76  671.26  8154.1  671.26 8193.72  671.17
 8326.67  681.95  8407.4   688.7 8537.58  699.87 8776.49  709.97 9168.32  710.84
 9406.24  710.84 9428.68  709.55 9572.17  701.03 9685.01  700.8410552.78  700.54
10890.97  675.4611201.52  651.4711230.51   641.811387.45  641.2611634.73  662.36
11700.32  668.1812143.14   708.912484.45     710 12996.1  710.42 13004.8  710.44
13188.85  698.0613418.63  681.8813484.61  681.8113607.66   696.913794.48     720
14167.75     72014225.31  719.6714315.08  720.6714597.65  725.4514792.08  729.65
14866.09     73015299.03     73015841.96  728.7416028.59  726.8116045.81  723.66
16195.52  697.3816394.44  648.8116416.18  647.2216669.33  629.4517111.16  619.64
17225.54  619.5819605.16  619.5819826.17     62020202.59     62020609.28  618.74
20780.69  618.7420874.65  609.1621126.55  599.58 21667.9  590.1321675.33  589.93
21713.32     58021789.02  570.2521886.08   566.221983.14  564.8322114.38  577.32
22138.49     580 22223.2  647.8522285.98  648.4422495.81  665.0922560.02  669.74
22858.98  651.34 22938.7  651.5423826.27  698.5524123.86  713.5624573.49  735.81
24838.07  749.1625078.52  735.1525621.57  703.0925660.21  700.7125951.19   699.7
26108.13  728.3126157.47  737.4726209.14  737.4726470.38  737.8926862.01  728.95
27018.47   729.227288.53  748.7927813.69  749.6428034.85  741.7128435.62  726.69
28836.13  711.2728895.92  711.2129652.03  736.6929723.03  739.1630815.23  739.16
31200.79  739.5832724.57  738.3133225.25  738.7434013.07  738.74 34978.7  729.16
35155.08  729.1635529.93  736.4935644.38  738.6436037.13  738.3136473.48  738.31
37045.49     70037051.54  697.5137207.92  630.9337377.36  628.7437403.24  628.81
37521.81   634.538021.41  657.4238466.53   680.6 38561.2  681.2639018.61  681.39
39173.07  662.2739230.87  662.2939630.47  700.7140138.19  718.57 40453.6  729.58
40953.84  733.4841349.18  737.4141584.85  739.2541680.32  739.8642158.31  739.16
42790.41     74043154.18  739.49   43493   748.643626.53  748.4243699.46  745.76
43808.07  741.9544172.62  729.7344348.94     73044439.09     73045503.98  728.84
45603.38  724.3645831.45  714.3246071.48  704.17 46156.7  700.4246370.96  700.42
46399.47  701.7346579.23   709.846867.23  709.4847544.21  690.2347687.57  686.31
47918.56  680.5448041.13  680.8248593.36  712.7248905.12   730.149916.22  738.58
50091.98  740.1150596.11  747.9550733.74  750.2851624.63     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521713.32     .1522138.49     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21713.3222138.49             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.03    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.86    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1559718.00   80168.08   1127829.00
  E.G. Slope (ft/ft)      0.000318    Area (sq ft)            1559718.00   80168.08   1127829.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5239384.00   464944.00   2298806.00
  Top Width (ft)          47975.55    Top Width (ft)          18801.37     425.17   28749.02
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.36       5.80       2.04
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.96     188.56      39.23
  Conv. Total (cfs)       448467500.0    Conv. (cfs)            293596600.0   26053830.0   128817000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18829.73     426.63   28807.40
  Min Ch El (ft)            564.83    Shear (lb/sq ft)            1.65       3.74       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.53      21.67       1.59
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3216.80     165.88    2319.17
  C & E Loss (ft)             0.00    Cum SA (acres)             38.78       0.88      59.39


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266382.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1245.34  764.69 1418.46     760 1929.58     760 2328.21   760.4
 2411.09   760.4 2550.04     770 2759.96     770 2849.96  763.48 3157.81  740.47
 3690.62  725.61 3949.98   718.6 4559.53  702.65 4663.24  700.17 4795.69  698.54
 5589.92  687.02 5788.73  684.64 6034.72  680.51 6073.32   680.4 6751.45   680.4
 6999.76   666.2 7255.26  650.74 7356.01   650.4 7451.88   650.4 7577.14   650.9
 7852.53  683.39 7914.01   690.4 8097.94  671.19 8154.28  671.19 8193.91   671.1
 8326.85  681.93 8407.59   688.7 8537.78  699.87 8776.68  709.98 9168.52   710.8
 9406.45   710.8 9428.89   709.5 9572.38  700.97 9685.23   700.810553.01  700.51
10891.21  675.3711201.77  651.3911230.76   641.7 11387.7  641.1911634.99  662.39
11700.58  668.2312143.41  708.9612484.73     71012996.39   710.413005.09  710.42
13189.14  697.9913418.93  681.7713484.91  681.7113607.96  696.8413794.79     720
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14168.06     72014225.63  719.69 14315.4  720.7214597.98  725.5114792.41  729.67
14866.42     73015299.37     73015842.31  728.8116028.95  726.9816046.17  723.84
16195.88  697.5316394.81  648.8816416.54  647.29 16669.7  629.4817111.54  619.66
17225.92   619.619605.59   619.619826.61     62020203.04     62020609.74  618.81
20781.15  618.8120875.12   609.221127.02   599.621668.38  590.1321675.81  589.93
 21713.8     58021789.63  570.2421886.85  566.1921984.07  564.8322115.06  577.34
22139.13     58022223.85  647.9722286.64  648.5322496.52   665.122560.74  669.76
22859.76  651.2722939.49  651.4623827.23  698.4524124.88   713.524574.61  735.83
24839.24   749.225079.73  735.1625622.88  703.0525661.53  700.6725952.57  699.72
26109.54  728.4326158.89  737.6126210.57  737.6126471.86  738.0126863.57  729.01
27020.05  729.2427290.16  748.8627815.43  749.6628036.63  741.6928437.48  726.64
28838.06   711.228897.87  711.1429654.13  736.7329725.14   739.230817.55   739.2
31203.19   739.632727.26  738.4133228.04  738.8134016.01  738.8134981.83   729.2
35158.25   729.235533.16  736.5635647.63  738.7236040.46  738.41 36476.9  738.41
37049.02    70037055.06   697.537211.48  630.8837380.95  628.8137406.84  628.88
37525.43  634.5638025.12  657.5138470.34  680.5738565.02  681.1939022.52  681.31
39177.01  662.1539234.82  662.16 39634.5  700.6740142.32  718.5640457.79   729.6
40958.12  733.5241353.54  737.4141589.26  739.2541684.75  739.8742162.83   739.2
42795.05     74043158.89  739.5243497.77  748.6843631.34   748.543704.28  745.84
43812.91  742.0244177.54  729.7444353.88     73044444.05     73045509.15  728.91
45608.56  724.4245836.68  714.3546076.75  704.16   46162   700.446376.29   700.4
46404.81  701.7146584.61  709.8146872.66  709.5147549.77  690.2647693.16  686.33
 47924.2  680.5148046.79  680.7848599.13  712.6848910.95  730.0949922.24  738.58
50098.04   740.150602.26  747.9450739.92  750.2751630.98     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .15 21713.8     .1522139.13     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21713.822139.13             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.02    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            758.86    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1559753.00   80198.84   1127478.00
  E.G. Slope (ft/ft)      0.000319    Area (sq ft)            1559753.00   80198.84   1127478.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5240268.00   465197.80   2297668.00
  Top Width (ft)          47982.07    Top Width (ft)          18802.03     425.33   28754.71
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.36       5.80       2.04
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.96     188.56      39.21
  Conv. Total (cfs)       448396600.0    Conv. (cfs)            293599800.0   26063930.0   128732900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18830.48     426.79   28813.24
  Min Ch El (ft)            564.83    Shear (lb/sq ft)            1.65       3.74       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.53      21.68       1.59
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3038.13     156.70    2189.99
  C & E Loss (ft)             0.00    Cum SA (acres)             36.63       0.83      56.09


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266377.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1245.37   764.7  1418.5     760 1929.62     760 2328.26  760.37
 2411.14  760.37 2550.09     770 2760.02     770 2850.02  763.47 3157.88  740.44
  3690.7  725.62 3950.07  718.62 4559.64  702.65 4663.34  700.16 4795.79  698.52
 5590.04  686.99 5788.86  684.58 6034.85  680.48 6073.46  680.37  6751.6  680.37
 6999.92  666.14 7255.42  650.69 7356.17  650.37 7452.05  650.37 7577.31  650.84
 7852.71  683.35 7914.19  690.37 8098.12  671.12 8154.46  671.12 8194.09  671.04
 8327.04  681.91 8407.77  688.69 8537.96  699.88 8776.88  709.98 9168.72  710.75
 9406.66  710.75  9429.1  709.45  9572.6  700.91 9685.44  700.7510553.25  700.48
10891.45  675.2911202.02  651.3111231.01   641.611387.95  641.1211635.25  662.42
11700.84  668.2712143.68  709.02   12485     71012996.68  710.3713005.38  710.39
13189.44  697.9113419.23  681.6713485.21  681.6113608.26  696.79 13795.1     720
14168.38     72014225.94  719.7114315.72  720.78 14598.3  725.5714792.74  729.69
14866.75     73015299.71     73015842.67  728.88 16029.3  727.1616046.53  724.02
16196.24  697.6716395.17  648.9416416.91  647.3516670.07  629.5117111.92  619.68
 17226.3  619.6319606.03  619.6319827.05     62020203.49     620 20610.2  618.88
20781.61  618.8820875.58  609.2521127.49  599.6321668.87  590.1321676.29  589.94
21714.28     58021790.24  570.2221887.63  566.1821985.01  564.8322115.75  577.35
22139.77     58022224.51  648.0922287.31  648.6122497.23  665.1122561.46  669.77
22860.54  651.1922940.29  651.37 23828.2  698.35 24125.9  713.4324575.72  735.84
 24840.4  749.2525080.94  735.17 25624.2  703.0125662.85  700.6325953.95  699.73
26110.95  728.5426160.31  737.75   26212  737.7526473.34  738.1326865.12  729.06
27021.64  729.29 27291.8  748.9327817.17  749.6828038.41  741.6728439.34  726.58
   28840  711.1328899.82  711.0729656.22  736.7729727.25  739.2530819.87  739.25
31205.58  739.6332729.95   738.533230.83  738.8834018.95  738.8834984.95  729.25
35161.41  729.25 35536.4  736.6235650.89  738.7936043.79   738.536480.32   738.5
37052.55     70037058.59  697.4937215.04  630.8237384.54  628.8837410.44  628.94
37529.05  634.6238028.84   657.638474.14  680.5338568.84  681.1239026.43  681.23
39180.95  662.0239238.77  662.0339638.53  700.6340146.45  718.5640461.98  729.63
40962.41  733.55 41357.9   737.441593.67  739.2541689.17  739.8842167.35  739.25
42799.69     740 43163.6  739.5543502.55  748.7643636.14  748.59 43709.1  745.93
43817.75   742.144182.45  729.7644358.83     73044449.01     73045514.32  728.97
45613.75  724.4845841.91  714.3946082.03  704.1546167.29  700.3746381.63  700.37
46410.15  701.6946589.98  709.8246878.09  709.5447555.34  690.2847698.75  686.34
47929.83  680.4848052.45  680.73 48604.9  712.6348916.77  730.0949928.27  738.57
50104.09   740.150608.42  747.94 50746.1  750.2551637.34     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1521714.28     .1522139.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       21714.2822139.77             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.02    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            758.86    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1559784.00   80231.39   1127151.00
  E.G. Slope (ft/ft)      0.000319    Area (sq ft)            1559784.00   80231.39   1127151.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5241095.00   465463.30   2296575.00
  Top Width (ft)          47988.65    Top Width (ft)          18802.61     425.49   28760.55
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.36       5.80       2.04
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  Max Chl Dpth (ft)          194.03    Hydr. Depth (ft)           82.96     188.56      39.19
  Conv. Total (cfs)        448330400.0    Conv. (cfs)            293602800.0    26074950.0   128652700.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18831.16     426.95   28819.25
  Min Ch El (ft)             564.83    Shear (lb/sq ft)            1.65       3.74       0.78
  Alpha                        1.26    Stream Power (lb/ft s)      5.54      21.69       1.59
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)     2859.45     147.51    2060.85
  C & E Loss (ft)              0.00    Cum SA (acres)             34.47       0.78      52.80


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266372.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1245.4  764.71 1418.53     760 1929.66     760 2328.31  760.35
  2411.2  760.35 2550.15     770 2760.08     770 2850.09  763.45 3157.95  740.41
 3690.78  725.64 3950.16  718.64 4559.74  702.66 4663.45  700.15  4795.9  698.49
 5590.17  686.96 5788.99  684.52 6034.99  680.45 6073.59  680.35 6751.75  680.35
 7000.07  666.08 7255.58  650.65 7356.33  650.35 7452.21  650.35 7577.47  650.79
 7852.88  683.31 7914.36  690.35  8098.3  671.05 8154.64  671.05 8194.27  670.97
 8327.22  681.89 8407.96  688.69 8538.15  699.89 8777.08  709.98 9168.93   710.7
 9406.87   710.7 9429.31   709.4 9572.81  700.86 9685.66   700.710553.48  700.45
 10891.7   675.211202.27  651.2311231.26   641.511388.21  641.05 11635.5  662.45
 11701.1  668.3212143.95  709.0812485.28     71012996.97  710.3513005.67  710.37
13189.73  697.8313419.53  681.5613485.51  681.5113608.56  696.73 13795.4     720
14168.69     72014226.26  719.7314316.04  720.8314598.63  725.6414793.07  729.71
14867.08     73015300.05     73015843.02  728.9516029.66  727.3416046.88   724.2
 16196.6  697.8216395.54  649.0116417.27  647.4216670.44  629.54 17112.3   619.7
17226.68  619.6519606.46  619.6519827.49     62020203.94     62020610.66  618.95
20782.07  618.9520876.04   609.321127.96  599.6521669.35  590.1321676.78  589.94
21714.76     58021790.85  570.21 21888.4  566.1721985.95  564.8222116.43  577.37
22140.41     58022225.16  648.2122287.98   648.722497.94  665.1322562.18  669.78
22861.31  651.1222941.08  651.2923829.17  698.2524126.93  713.3724576.83  735.86
24841.56   749.325082.15  735.1925625.51  702.9725664.17  700.5925955.33  699.75
26112.36  728.6626161.73  737.8926213.43  737.8926474.82  738.2426866.68  729.12
27023.22  729.3327293.44  748.9927818.91   749.7 28040.2  741.65 28441.2  726.52
28841.94  711.0628901.77  711.0129658.32  736.8129729.36   739.330822.19   739.3
31207.98  739.6532732.64  738.5933233.62  738.9534021.89  738.9534988.08   729.3
35164.57   729.335539.63  736.6935654.15  738.8736047.12  738.5936483.74  738.59
37056.07     70037062.12  697.49 37218.6  630.7737388.14  628.9537414.04  629.01
37532.67  634.6838032.56   657.738477.94   680.538572.66  681.0539030.34  681.16
39184.89  661.8939242.72  661.9139642.56  700.5940150.57  718.5640466.17  729.65
 40966.7  733.5841362.26   737.441598.08  739.25 41693.6  739.8842171.87   739.3
42804.33     74043168.32  739.5843507.33  748.8343640.94  748.6843713.92  746.02
43822.59  742.1844187.36  729.7744363.77     73044453.97     73045519.48  729.04
45618.93  724.5445847.14  714.4246087.31  704.1346172.59  700.3546386.96  700.35
 46415.5  701.6746595.36  709.8346883.52  709.57 47560.9  690.3147704.34  686.36
47935.46  680.4548058.11  680.6948610.66  712.59 48922.6  730.0849934.29  738.57
50110.15  740.0950614.57  747.9350752.28  750.2451643.69     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521714.76     .1522140.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21714.7622140.41             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.02    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             758.86    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                       Flow Area (sq ft)       1559823.00   80263.38   1126786.00
  E.G. Slope (ft/ft)       0.000319    Area (sq ft)            1559823.00   80263.38   1126786.00
  Q Total (cfs)            8003133.00    Flow (cfs)             5242011.00   465729.30   2295393.00
  Top Width (ft)           47995.18    Top Width (ft)          18803.29     425.65   28766.23
  Vel Total (ft/s)             2.89    Avg. Vel. (ft/s)            3.36       5.80       2.04
  Max Chl Dpth (ft)          194.04    Hydr. Depth (ft)           82.95     188.57      39.17
  Conv. Total (cfs)        448258500.0    Conv. (cfs)            293607000.0    26085680.0   128565800.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)        18831.92     427.12   28825.10
  Min Ch El (ft)             564.82    Shear (lb/sq ft)            1.65       3.74       0.78
  Alpha                        1.26    Stream Power (lb/ft s)      5.54      21.70       1.58
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)     2680.76     138.32    1931.75
  C & E Loss (ft)              0.00    Cum SA (acres)             32.32       0.73      49.50


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266367.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1245.43  764.72 1418.56     760 1929.71     760 2328.36  760.33
 2411.25  760.33 2550.21     770 2760.14     770 2850.15  763.44 3158.02  740.38
 3690.87  725.65 3950.24  718.66 4559.84  702.67 4663.55  700.14 4796.01  698.46
 5590.29  686.93 5789.12  684.45 6035.12  680.42 6073.73  680.33  6751.9  680.33
 7000.23  666.03 7255.74  650.61  7356.5  650.33 7452.38  650.33 7577.64  650.74
 7853.05  683.27 7914.54  690.33 8098.48  670.98 8154.82  670.98 8194.45  670.91
 8327.41  681.87 8408.15  688.69 8538.34   699.9 8777.27  709.98 9169.13  710.66
 9407.07  710.66 9429.52  709.35 9573.02   700.8 9685.87  700.6610553.72  700.42
10891.94  675.1211202.52  651.1511231.51   641.411388.46  640.9811635.76  662.48
11701.36  668.3612144.22  709.1412485.56     71012997.25  710.3313005.95  710.34
13190.02  697.7513419.83  681.4613485.81  681.4113608.87  696.6713795.71     720
14169.01     72014226.58  719.7414316.36  720.8814598.95   725.7 14793.4  729.73
14867.42     73015300.39     73015843.37  729.0216030.01  727.5216047.24  724.38
16196.96  697.96 16395.9  649.0716417.64  647.4916670.81  629.5717112.68  619.72
17227.06  619.67 19606.9  619.6719827.93     62020204.38     62020611.12  619.02
20782.54  619.0220876.51  609.3421128.43  599.6721669.83  590.1321677.26  589.95
21715.25     58021791.46  570.1921889.17  566.1521986.88  564.8222117.12  577.39
22141.05     58022225.82  648.3322288.65  648.7922498.65  665.14 22562.9   669.8
22862.09  651.0422941.88   651.223830.13  698.1524127.95   713.324577.94  735.87
24842.72  749.3425083.36   735.225626.82  702.9325665.49  700.55 25956.7  699.77
26113.77  728.7826163.14  738.0326214.85  738.0326476.29  738.3626868.23  729.18
27024.81  729.3827295.08  749.0627820.65  749.7228041.98  741.6328443.05  726.47
28843.88  710.9928903.71  710.9429660.41  736.8529731.47  739.3430824.51  739.34
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31210.37  739.6732735.33  738.6933236.41  739.0234024.83  739.0234991.21  729.34
35167.73  729.3435542.87  736.75 35657.4  738.9436050.46  738.6936487.15  738.69
 37059.6     70037065.65  697.4837222.16  630.7237391.73  629.0237417.63  629.08
37536.29  634.7438036.28  657.7938481.75  680.4738576.48  680.9839034.25  681.08
39188.83  661.7739246.67  661.7839646.59  700.55 40154.7  718.5540470.36  729.67
40970.98  733.6241366.62  737.3941602.48  739.2541698.03  739.8942176.39  739.34
42808.98     74043173.03  739.6143512.11  748.9143645.75  748.7743718.73  746.11
43827.43  742.2644192.27  729.7944368.71     73044458.93     73045524.65   729.1
45624.12   724.645852.37  714.4646092.59  704.1246177.88  700.33 46392.3  700.33
46420.84  701.6546600.73  709.8546888.95   709.647566.46  690.3347709.93  686.38
 47941.1  680.4248063.77  680.6448616.43  712.5548928.42  730.0849940.31  738.57
 50116.2  740.0850620.73  747.9350758.46  750.2251650.05     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521715.25     .1522141.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21715.2522141.05             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.02    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.86    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1559864.00   80294.32   1126449.00
  E.G. Slope (ft/ft)      0.000319    Area (sq ft)            1559864.00   80294.32   1126449.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5242880.00   465985.80   2294267.00
  Top Width (ft)          48001.76    Top Width (ft)          18803.89     425.80   28772.07
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.36       5.80       2.04
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           82.95     188.57      39.15
  Conv. Total (cfs)       448192900.0    Conv. (cfs)            293612700.0   26096220.0   128484000.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18832.60     427.27   28831.08
  Min Ch El (ft)            564.82    Shear (lb/sq ft)            1.65       3.74       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.54      21.71       1.58
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2502.08     129.12    1802.69
  C & E Loss (ft)             0.00    Cum SA (acres)             30.16       0.68      46.21


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266362.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1245.45  764.73 1418.59     760 1929.75     760 2328.42   760.3
  2411.3   760.3 2550.26     770  2760.2     770 2850.21  763.42 3158.09  740.36
 3690.95  725.67 3950.33  718.68 4559.94  702.67 4663.65  700.13 4796.11  698.43
 5590.42   686.9 5789.25  684.39 6035.26  680.39 6073.86   680.3 6752.05   680.3
 7000.39  665.97  7255.9  650.56 7356.66   650.3 7452.54   650.3 7577.81  650.69
 7853.23  683.23 7914.71   690.3 8098.66  670.91    8155  670.91 8194.63  670.84
 8327.59  681.85 8408.33  688.68 8538.53   699.9 8777.46  709.98 9169.33  710.61
 9407.28  710.61 9429.73   709.3 9573.24  700.74 9686.09  700.6110553.95  700.39
10892.18  675.0311202.76  651.0611231.76   641.311388.71  640.9111636.02  662.51
11701.62   668.412144.49   709.212485.84     71012997.54   710.313006.24  710.32
13190.32  697.6713420.12  681.36 13486.1  681.3113609.17  696.6213796.02     720
14169.32     72014226.89  719.7614316.68  720.9314599.28  725.7614793.73  729.75
14867.75     73015300.73     73015843.72  729.0916030.37  727.69 16047.6  724.56
16197.32  698.1116396.26  649.14   16418  647.5516671.19   629.617113.06  619.74
17227.45   619.719607.34   619.719828.37     62020204.83     62020611.57  619.09
   20783  619.0920876.97  609.39 21128.9   599.721670.31  590.1321677.74  589.95
21715.73     58021792.07  570.1821889.95  566.1421987.82  564.82 22117.8  577.41
22141.69     58022226.47  648.4522289.32  648.8722499.36  665.1522563.63  669.81
22862.87  650.9722942.67  651.12 23831.1  698.0524128.98  713.2424579.05  735.89
24843.89  749.3925084.57  735.2125628.14  702.8925666.81  700.5125958.08  699.78
26115.18   728.926164.56  738.1726216.28  738.1726477.77  738.4826869.79  729.24
27026.39  729.4227296.71  749.1327822.39  749.7428043.76  741.6128444.91  726.41
28845.81  710.9228905.66  710.8729662.51  736.8929733.58  739.3930826.83  739.39
31212.77   739.732738.02  738.7833239.19  739.0934027.77  739.0934994.34  729.39
35170.89  729.39 35546.1  736.8235660.66  739.0236053.79  738.7836490.57  738.78
37063.13     70037069.18  697.4737225.72  630.6737395.32  629.0937421.23  629.14
37539.91   634.8   38040  657.8838485.55  680.43 38580.3  680.9139038.16     681
39192.77  661.6439250.62  661.6539650.62  700.5140158.83  718.5540474.54   729.7
40975.27  733.6541370.99  737.3841606.89  739.2541702.45   739.942180.91  739.39
42813.62     74043177.74  739.6343516.89  748.9943650.55  748.8643723.55  746.19
43832.27  742.3444197.17   729.844373.66     73044463.89     73045529.82  729.16
45629.31  724.6645857.61  714.4946097.86   704.146183.18   700.346397.64   700.3
46426.18  701.6346606.11  709.8646894.39  709.6347572.02  690.3647715.52  686.39
47946.73  680.3948069.43  680.59 48622.2  712.5148934.25  730.0749946.33  738.56
50122.26  740.0850626.88  747.9250764.64   750.2 51656.4     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521715.73     .1522141.69     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21715.7322141.69             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.02    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.85    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1559899.00   80324.85   1126111.00
  E.G. Slope (ft/ft)      0.000319    Area (sq ft)            1559899.00   80324.85   1126111.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5243744.00   466236.60   2293153.00
  Top Width (ft)          48008.42    Top Width (ft)          18804.55     425.96   28777.91
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.36       5.80       2.04
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.95     188.57      39.13
  Conv. Total (cfs)       448124300.0    Conv. (cfs)            293616100.0   26106270.0   128401900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18833.34     427.43   28837.09
  Min Ch El (ft)            564.82    Shear (lb/sq ft)            1.65       3.74       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.54      21.72       1.58
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2323.39     119.92    1673.67
  C & E Loss (ft)             0.00    Cum SA (acres)             28.01       0.64      42.91


CROSS SECTION
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RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266357.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1245.48  764.74 1418.62     760 1929.79     760 2328.47  760.28
 2411.36  760.28 2550.32    770 2760.26     770 2850.28   763.4 3158.16  740.33
 3691.03  725.68 3950.42   718.7 4560.04  702.68 4663.76  700.12 4796.22   698.4
 5590.54  686.87 5789.37  684.33 6035.39  680.36    6074  680.28  6752.2  680.28
 7000.54  665.91 7256.07  650.52 7356.83  650.28 7452.71  650.28 7577.98  650.63
  7853.4  683.19 7914.89  690.28 8098.84  670.84 8155.19  670.84 8194.82  670.78
 8327.78  681.83 8408.52  688.68 8538.72  699.91 8777.66  709.98 9169.54  710.56
 9407.49  710.56 9429.94  709.25 9573.45  700.69  9686.3  700.5610554.19  700.36
10892.42  674.9511203.01  650.9811232.01   641.211388.96  640.8411636.28  662.54
11701.88  668.4512144.76  709.2712486.11     71012997.83  710.2813006.53  710.29
13190.61  697.5913420.42  681.25 13486.4  681.2113609.47  696.5613796.32     720
14169.64     72014227.21  719.7814316.99  720.98 14599.6  725.8214794.06  729.77
14868.08     73015301.07     73015844.07  729.1616030.73  727.8716047.95  724.74
16197.68  698.2516396.63  649.2116418.37  647.6216671.55  629.6317113.44  619.76
17227.83  619.7219607.77  619.7219828.81     62020205.28     62020612.03  619.16
20783.46  619.1620877.43  609.4421129.37  599.7221670.79  590.1321678.22  589.95
21716.21     58021792.68  570.1721890.72  566.1321988.76  564.8222118.49  577.43
22142.33     58022227.13  648.5722289.98  648.9622500.06  665.1622564.35  669.83
22863.65  650.8922943.47  651.0323832.07  697.95   24130  713.1724580.16   735.9
24845.05  749.4425085.78  735.2325629.45  702.8525668.14  700.4725959.46   699.8
26116.59  729.0226165.98  738.3126217.71  738.3126479.25   738.626871.34   729.3
27027.98  729.4727298.35   749.227824.13  749.7628045.54  741.5928446.77  726.35
28847.75  710.8528907.61  710.8129664.61  736.9429735.69  739.4430829.15  739.44
31215.16  739.7232740.71  738.8833241.98  739.1634030.71  739.1634997.46  729.44
35174.05  729.4435549.34  736.8835663.92  739.0936057.12  738.8836493.99  738.88
37066.66     70037072.71  697.4737229.28  630.6237398.91  629.1637424.83  629.21
37543.53  634.8638043.71  657.9738489.36   680.438584.12  680.8439042.07  680.92
39196.71  661.5139254.57  661.5239654.65  700.4740162.95  718.5540478.73  729.72
40979.55  733.6841375.35  737.38 41611.3  739.2441706.88  739.9142185.43  739.44
42818.26     74043182.45  739.6643521.66  749.0743655.35  748.9443728.37  746.28
43837.11  742.4144202.08  729.82 44378.6     73044468.86     73045534.99  729.23
45634.49  724.7245862.84  714.5346103.14  704.0946188.47  700.2846402.97  700.28
46431.52  701.6146611.48  709.8746899.82  709.6647577.59  690.3847721.12  686.41
47952.37  680.3648075.09  680.5548627.96  712.4748940.08  730.0749952.36  738.56
50128.32  740.0750633.04  747.9250770.82  750.1951662.75     800

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1521716.21    .1522142.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21716.2122142.33             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.02    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.85    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1559941.00   80355.81   1125728.00
  E.G. Slope (ft/ft)      0.000319    Area (sq ft)            1559941.00   80355.81   1125728.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5244711.00   466496.30   2291926.00
  Top Width (ft)          48014.95    Top Width (ft)          18805.23     426.12   28783.60
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.36       5.81       2.04
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.95     188.58      39.11
  Conv. Total (cfs)       448049800.0    Conv. (cfs)            293621400.0   26116470.0   128311900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18834.10     427.59   28842.93
  Min Ch El (ft)            564.82    Shear (lb/sq ft)            1.65       3.74       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.55      21.73       1.58
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2144.69     110.72    1544.69
  C & E Loss (ft)             0.00    Cum SA (acres)             25.86       0.59      39.62


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266352.*

INPUT
Description:
Station Elevation Data    num=     174
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     800 1245.51  764.76 1418.65     760 1929.83     760 2328.52  760.26
 2411.41  760.26 2550.38    770 2760.33     770 2850.34  763.39 3158.23   740.3
 3691.11  725.69 3950.51  718.72 4560.14  702.68 4663.86  700.11 4796.32  698.38
 5590.67  686.83  5789.5  684.27 6035.52  680.33 6074.13  680.26 6752.35  680.26
  7000.7  665.85 7256.23  650.48 7356.99  650.26 7452.88  650.26 7578.15  650.58
 7853.58  683.15 7915.07  690.26 8099.02  670.77 8155.37  670.77    8195  670.71
 8327.96  681.82 8408.71  688.68 8538.91  699.92 8777.85  709.98 9169.74  710.52
  9407.7  710.52 9430.15   709.2 9573.66  700.63 9686.52  700.5210554.42  700.33
10892.66  674.8611203.26   650.911232.25   641.111389.22  640.7711636.54  662.57
11702.14  668.4912145.03  709.3312486.39     71012998.12  710.2613006.82  710.27
 13190.9  697.5213420.72  681.15 13486.7  681.1113609.77  696.5113796.63     720
14169.95     72014227.52   719.814317.31  721.0314599.92  725.8914794.38  729.79
14868.41     73015301.41     73015844.42  729.2316031.08  728.0516048.31  724.92
16198.04   698.416396.99  649.2716418.73  647.6916671.93  629.6617113.82  619.78
17228.21  619.7419608.21  619.7419829.25     62020205.73     62020612.49  619.23
20783.92  619.23 20877.9  609.4821129.84  599.7421671.27  590.13 21678.7  589.96
21716.69     58021793.29  570.1521891.49  566.12 21989.7  564.8222119.17  577.44
22142.97     58022227.79  648.6922290.65  649.0522500.77  665.1822565.07  669.84
22864.43  650.8222944.26  650.9423833.03  697.8424131.03  713.1124581.27  735.91
24846.21  749.4825086.99  735.2425630.77   702.825669.46  700.4325960.84  699.82
26117.99  729.13 26167.4  738.4526219.14  738.4526480.73  738.71 26872.9  729.36
27029.56  729.5127299.99  749.2627825.87  749.7828047.32  741.5728448.63   726.3
28849.69  710.7828909.56  710.74 29666.7  736.98 29737.8  739.4830831.47  739.48
31217.56  739.74 32743.4  738.9733244.77  739.2334033.65  739.2335000.59  729.48
35177.22  729.4835552.57  736.9535667.18  739.1736060.46  738.9736497.41  738.97
37070.19     70037076.24  697.4637232.84  630.5737402.51  629.2337428.43  629.27
37547.15  634.9238047.43  658.0638493.16  680.3738587.95  680.7739045.98  680.85
39200.65  661.3939258.53   661.439658.68  700.4340167.08  718.5440482.92  729.74
40983.84  733.7241379.71  737.3741615.71  739.24 41711.3  739.9142189.94  739.48
 42822.9     74043187.16  739.6943526.44  749.1543660.16  749.0343733.19  746.37
43841.95  742.4944206.99  729.8344383.55     73044473.82     73045540.16  729.29
45639.68  724.7845868.07  714.5646108.42  704.0746193.76  700.26 46408.3  700.26
46436.86  701.5946616.86  709.8846905.25  709.6847583.15  690.4147726.71  686.42
47958.01  680.3348080.75   680.548633.73  712.42 48945.9  730.0649958.38  738.56
50134.38  740.0750639.19  747.91   50777  750.1751669.11     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521716.69     .1522142.97     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21716.6922142.97             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.85    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1559978.00   80388.73   1125439.00
  E.G. Slope (ft/ft)      0.000319    Area (sq ft)            1559978.00   80388.73   1125439.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5245458.00   466754.90   2290920.00
  Top Width (ft)          48021.52    Top Width (ft)          18805.81     426.28   28789.43
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.36       5.81       2.04
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.95     188.58      39.09
  Conv. Total (cfs)       447992600.0    Conv. (cfs)            293625800.0   26127610.0   128239200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18834.78     427.75   28848.92
  Min Ch El (ft)            564.82    Shear (lb/sq ft)            1.65       3.74       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.55      21.74       1.58
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1965.99     101.51    1415.75
  C & E Loss (ft)             0.00    Cum SA (acres)             23.70       0.54      36.32


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266347.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1245.54  764.77 1418.68     760 1929.88     760 2328.57  760.23
 2411.46  760.23 2550.43    770 2760.39     770  2850.4  763.37  3158.3  740.27
 3691.19  725.71  3950.6  718.74 4560.24  702.69 4663.96   700.1 4796.43  698.35
 5590.79   686.8 5789.63  684.21 6035.66   680.3 6074.27  680.23  6752.5  680.23
 7000.85  665.79 7256.39  650.43 7357.15  650.23 7453.04  650.23 7578.32  650.53
 7853.75  683.11 7915.24  690.23  8099.2   670.7 8155.55   670.7 8195.18  670.65
 8328.15   681.8  8408.9  688.67  8539.1  699.93 8778.05  709.99 9169.95  710.47
 9407.91  710.47 9430.36  709.15 9573.87  700.57 9686.73  700.4710554.66   700.3
10892.91  674.7811203.51  650.82 11232.5     64111389.47   640.7 11636.8   662.6
 11702.4  668.54 12145.3  709.3912486.67     71012998.41  710.2313007.11  710.24
 13191.2  697.4413421.02  681.04   13487  681.0113610.08  696.4513796.93     720
14170.26     72014227.84  719.8214317.63  721.0814600.25  725.9514794.71  729.81
14868.74     73015301.75     73015844.78   729.316031.44  728.2316048.67   725.1
 16198.4  698.5416397.36  649.34 16419.1  647.75 16672.3  629.69 17114.2   619.8
 17228.6  619.7719608.64  619.7719829.69     62020206.18     62020612.95   619.3
20784.38   619.320878.36  609.5321130.31  599.7721671.75  590.1321679.18  589.96
21717.18      580 21793.9  570.1421892.27  566.1121990.63  564.8222119.86  577.46
22143.61     58022228.44   648.822291.32  649.1322501.48  665.1922565.79  669.86
22865.21  650.7522945.05  650.86   23834  697.7424132.05  713.0424582.38  735.93
24847.38  749.53 25088.2  735.2525632.08  702.7625670.78  700.3925962.22  699.83
 26119.4  729.2526168.82  738.5926220.57  738.5926482.21  738.8326874.45  729.42
27031.15  729.5627301.62  749.3327827.61   749.828049.11  741.5528450.49  726.24
28851.62  710.7128911.51  710.67 29668.8  737.0229739.91  739.5330833.79  739.53
31219.96  739.7732746.09  739.0633247.55   739.334036.59   739.335003.72  729.53
35180.38  729.53 35555.8  737.0135670.43  739.2436063.79  739.0636500.82  739.06
37073.71     70037079.77  697.46 37236.4  630.52 37406.1   629.337432.02  629.34
37550.77  634.9838051.15  658.1538496.96  680.3338591.77   680.739049.89  680.77
39204.59  661.2639262.48  661.2739662.71  700.3940171.21  718.5440487.11  729.77
40988.12  733.7541384.07  737.3641620.12  739.2441715.73  739.9242194.46  739.53
42827.54     74043191.88  739.7243531.22  749.2243664.96  749.1243738.01  746.45
43846.79  742.57 44211.9  729.8544388.49     73044478.78     73045545.32  729.36
45644.87  724.84 45873.3   714.6 46113.7  704.0646199.06  700.2346413.64  700.23
 46442.2  701.5746622.24  709.8946910.68  709.7147588.71  690.43 47732.3  686.44
47963.64   680.348086.41  680.46 48639.5  712.3848951.73  730.06 49964.4  738.55
50140.43  740.0650645.34  747.9150783.19  750.1651675.46     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521717.18     .1522143.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21717.1822143.61             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.85    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1560007.00   80417.49   1125081.00
  E.G. Slope (ft/ft)      0.000319    Area (sq ft)            1560007.00   80417.49   1125081.00
  Q Total (cfs)           8003133.00    Flow (cfs)            5246352.00   467002.40   2289779.00
  Top Width (ft)          48028.07    Top Width (ft)          18806.51     426.43   28795.13
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.36       5.81       2.04
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.95     188.58      39.07
  Conv. Total (cfs)       447917800.0    Conv. (cfs)            293626800.0   26137100.0   128153900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18835.56     427.90   28854.77
  Min Ch El (ft)            564.82    Shear (lb/sq ft)            1.65       3.75       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.55      21.75       1.58
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1787.28      92.30    1286.85
  C & E Loss (ft)             0.00    Cum SA (acres)             21.55       0.49      33.02


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266342.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1245.57  764.78 1418.72     760 1929.92     760 2328.62  760.21
 2411.52  760.21 2550.49    770 2760.45     770 2850.47  763.36 3158.37  740.25
 3691.28  725.72 3950.68  718.76 4560.34   702.7 4664.07  700.09 4796.54  698.32
 5590.91  686.77 5789.76  684.14 6035.79  680.27  6074.4  680.21 6752.65  680.21
 7001.01  665.74 7256.55  650.39 7357.32  650.21 7453.21  650.21 7578.48  650.47
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 7853.93  683.06 7915.42  690.21 8099.38  670.63 8155.73  670.63 8195.36  670.58
 8328.33  681.78 8409.08  688.67 8539.29  699.93 8778.25  709.99 9170.15  710.42
 9408.12  710.42 9430.57   709.1 9574.09  700.51 9686.95  700.4210554.89  700.27
10893.15   674.711203.76  650.7411232.75   640.911389.72  640.6311637.05  662.63
11702.66  668.5812145.57  709.4512486.95     710 12998.7  710.21 13007.4  710.22
13191.49  697.3613421.32  680.94 13487.3  680.9113610.38  696.3913797.24     720
14170.58     72014228.16  719.8414317.95  721.1314600.57  726.0114795.04  729.83
14869.07     73015302.09     73015845.13  729.3716031.79   728.416049.02  725.28
16198.76  698.6916397.72   649.416419.46  647.8216672.67  629.7217114.58  619.82
17228.98  619.7919609.08  619.7919830.13     62020206.63     620 20613.4  619.37
20784.84  619.3720878.83  609.5821130.78  599.7921672.23  590.1321679.67  589.97
21717.66     58021794.51  570.1321893.04   566.121991.57  564.8122120.54  577.48
22144.25     580 22229.1  648.9222291.99  649.2222502.19   665.222566.51  669.87
22865.99  650.6722945.85  650.7723834.96  697.6424133.07  712.98 24583.5  735.94
24848.54  749.5825089.41  735.26 25633.4  702.72 25672.1  700.35 25963.6  699.85
26120.81  729.3726170.23  738.7426221.99  738.7426483.69  738.9526876.01  729.47
27032.73   729.627303.26   749.427829.35  749.8228050.89  741.5328452.35  726.18
28853.56  710.6328913.46   710.629670.89  737.0629742.02  739.5830836.12  739.58
31222.35  739.7932748.79  739.1633250.34  739.3734039.53  739.3735006.85  729.58
35183.54  729.5835559.04  737.0835673.69  739.3236067.12  739.1636504.24  739.16
37077.24     700 37083.3  697.4537239.96  630.4637409.69  629.3737435.62  629.41
37554.39  635.0438054.87  658.2438500.77   680.338595.59  680.63 39053.8  680.69
39208.53  661.1439266.43  661.1439666.73  700.3540175.34  718.54 40491.3  729.79
40992.41  733.7841388.44  737.3641624.52  739.2441720.16  739.9342198.98  739.58
42832.18     74043196.59  739.75   43536   749.343669.77  749.2143742.82  746.54
43851.62  742.6544216.81  729.8644393.43     73044483.74     73045550.49  729.42
45650.05   724.945878.53  714.6346118.97  704.0546204.35  700.2146418.98  700.21
46447.54  701.5546627.61   709.946916.11  709.7447594.27  690.4647737.89  686.45
47969.28  680.2748092.06  680.4148645.26  712.3448957.56  730.0549970.42  738.55
50146.49  740.05 50651.5   747.950789.37  750.1451681.81     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521717.66     .1522144.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21717.6622144.25             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.01    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            758.85    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1560053.00   80449.56   1124729.00
  E.G. Slope (ft/ft)      0.000319    Area (sq ft)            1560053.00   80449.56   1124729.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5247267.00   467263.40   2288604.00
  Top Width (ft)          48034.62    Top Width (ft)          18807.06     426.59   28800.96
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.36       5.81       2.03
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           82.95     188.59      39.05
  Conv. Total (cfs)       447851700.0   Conv. (cfs)            293634700.0   26147850.0   128069200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18836.20     428.07   28860.78
  Min Ch El (ft)            564.81    Shear (lb/sq ft)            1.65       3.75       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.55      21.76       1.58
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1608.58      83.09    1157.98
  C & E Loss (ft)             0.00    Cum SA (acres)             19.39       0.44      29.72


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266337.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1245.59  764.79 1418.75     760 1929.96     760 2328.67  760.19
 2411.57  760.19 2550.55    770 2760.51     770 2850.53  763.34 3158.44  740.22
 3691.36  725.73 3950.77  718.78 4560.45   702.7 4664.17  700.08 4796.64  698.29
 5591.04  686.74 5789.89  684.08 6035.93  680.24 6074.54  680.19  6752.8  680.19
 7001.16  665.68 7256.71  650.35 7357.48  650.19 7453.37  650.19 7578.65  650.42
  7854.1  683.02 7915.59  690.19 8099.56  670.56 8155.91  670.56 8195.54  670.52
 8328.52  681.76 8409.27  688.67 8539.48  699.94 8778.44  709.99 9170.35  710.37
 9408.33  710.37 9430.78  709.05  9574.3  700.46 9687.16  700.3710555.12  700.24
10893.39  674.6111204.01  650.65   11233   640.811389.98  640.5611637.31  662.66
11702.92  668.6312145.84  709.5112487.22     71012998.99  710.1913007.69   710.2
13191.78  697.2813421.61  680.83 13487.6   680.813610.68  696.3413797.55     720
14170.89     72014228.47  719.8514318.27  721.18 14600.9  726.0714795.37  729.85
 14869.4     73015302.43     73015845.48  729.4416032.15  728.5816049.38  725.46
16199.12  698.8416398.09  649.4716419.83  647.8916673.04  629.7517114.96  619.84
17229.36  619.8119609.52  619.8119830.57     62020207.08     62020613.86  619.44
20785.31  619.4420879.29  609.6321131.24  599.8121672.72  590.1321680.15  589.97
21718.14     58021795.12  570.1121893.81  566.0921992.51  564.8122121.23   577.5
22144.88     58022229.75  649.0422292.66  649.31 22502.9  665.2122567.23  669.88
22866.77   650.622946.64  650.6923835.93  697.54 24134.1  712.9124584.61  735.96
 24849.7  749.6325090.62  735.2825634.71  702.6825673.42  700.3225964.97  699.87
26122.22  729.4926171.65  738.8826223.42  738.8826485.17  739.0626877.56  729.53
27034.32  729.64 27304.9  749.4627831.09  749.8428052.67  741.5128454.21  726.12
 28855.5  710.5628915.41  710.5429672.99   737.129744.12  739.6330838.44  739.63
31224.75  739.8132751.47  739.2533253.13  739.4434042.47  739.4435009.98  729.63
 35186.7  729.6335562.27  737.1435676.95   739.436070.46  739.2536507.66  739.25
37080.77     70037086.83  697.4437243.52  630.4137413.29  629.4437439.22  629.47
37558.01   635.138058.58  658.3438504.57  680.2738599.41  680.5639057.71  680.62
39212.47  661.0139270.38  661.0239670.76  700.3140179.46  718.5340495.49  729.81
 40996.7  733.81 41392.8  737.3541628.93  739.2441724.59  739.94 42203.5  739.63
42836.82     740 43201.3  739.7843540.77  749.3843674.57   749.343747.64  746.63
43856.46  742.7344221.72  729.8844398.38     730 44488.7     73045555.66  729.49
45655.24  724.9645883.76  714.6746124.25  704.0346209.64  700.1946424.31  700.19
46452.88  701.5346632.99  709.9146921.54  709.7747599.84  690.4847743.48  686.47
47974.91  680.2448097.72  680.3748651.03   712.348963.38  730.0449976.45  738.55
50152.54  740.0550657.65   747.950795.55  750.1351688.17     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521718.14     .1522144.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21718.1422144.88             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.01    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
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  W.S. Elev (ft)            758.85    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1560103.00   80479.70   1124365.00
  E.G. Slope (ft/ft)      0.000319    Area (sq ft)            1560103.00   80479.70   1124365.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5248207.00   467515.70   2287411.00
  Top Width (ft)          48041.15    Top Width (ft)          18807.75     426.74   28806.66
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.36       5.81       2.03
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           82.95     188.59      39.03
  Conv. Total (cfs)       447783200.0    Conv. (cfs)            293642300.0   26157970.0   127982900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18836.97     428.22   28866.64
  Min Ch El (ft)            564.81    Shear (lb/sq ft)            1.65       3.75       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.56      21.77       1.58
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1429.86      73.87    1029.16
  C & E Loss (ft)             0.00    Cum SA (acres)             17.24       0.39      26.42


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266333.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1245.62   764.8 1418.78     760 1930.01     760 2328.73  760.16
 2411.62  760.16  2550.6     770 2760.57     770 2850.59  763.32 3158.51  740.19
 3691.44  725.75 3950.86   718.8 4560.55  702.71 4664.27  700.07 4796.75  698.26
 5591.16  686.71 5790.02  684.02 6036.06  680.21 6074.67  680.16 6752.95  680.16
 7001.32  665.62 7256.87   650.3 7357.64  650.16 7453.54  650.16 7578.82  650.37
 7854.28  682.98 7915.77  690.16 8099.74  670.49 8156.09  670.49 8195.73  670.45
  8328.7  681.74 8409.46  688.66 8539.67  699.95 8778.63  709.99 9170.56  710.33
 9408.54  710.33 9430.99    709 9574.51   700.4 9687.38  700.3310555.36  700.21
10893.63  674.5311204.26  650.5711233.25   640.711390.23  640.4911637.57  662.69
11703.18  668.6712146.11  709.57 12487.5     71012999.28  710.1613007.98  710.17
13192.07   697.213421.91  680.73 13487.9   680.713610.98  696.2813797.85     720
14171.21     72014228.79  719.8714318.58  721.2314601.22  726.13 14795.7  729.86
14869.73     73015302.77    73015845.83  729.5116032.51  728.7616049.73  725.64
16199.48  698.9816398.45  649.5416420.19  647.9516673.41  629.7817115.34  619.86
17229.74  619.8419609.95  619.8419831.01     62020207.53     62020614.32  619.51
20785.77  619.5120879.75  609.6721131.71  599.84 21673.2  590.1321680.63  589.97
21718.62     58021795.73   570.121894.59  566.0821993.44  564.8122121.92  577.52
22145.52     58022230.41  649.1622293.32  649.3922503.61  665.2322567.95   669.9
22867.55  650.5222947.44   650.6 23836.9  697.4424135.12  712.8524585.72  735.97
24850.86  749.6725091.82  735.2925636.03  702.6425674.75  700.2825966.35  699.88
26123.63  729.6126173.07  739.0226224.85  739.0226486.65  739.1826879.12  729.59
 27035.9  729.6927306.54  749.5327832.82  749.8628054.45  741.4928456.07  726.07
28857.44  710.4928917.36  710.4729675.08  737.1429746.23  739.6730840.76  739.67
31227.14  739.8432754.17  739.3433255.92  739.5134045.41  739.5135013.11  729.67
35189.86  729.6735565.51  737.21 35680.2  739.4736073.79  739.3436511.07  739.34
 37084.3     70037090.36  697.4437247.08  630.3637416.88  629.5137442.82  629.54
37561.63  635.16 38062.3  658.4338508.37  680.2338603.23  680.4939061.62  680.54
39216.41  660.8839274.34  660.8939674.79  700.2840183.59  718.5340499.68  729.84
41000.98  733.8541397.16  737.3441633.34  739.2341729.01  739.9542208.02  739.67
42841.46     74043206.01   739.843545.55  749.4643679.37  749.3843752.46  746.72
 43861.3   742.844226.63  729.8944403.32     73044493.66     73045560.82  729.55
45660.43  725.0245888.99   714.746129.53  704.0246214.94  700.1646429.65  700.16
46458.22  701.5146638.37  709.9246926.98   709.8 47605.4  690.5147749.07  686.48
47980.55  680.2148103.38  680.3248656.79  712.2548969.21  730.0449982.47  738.54
 50158.6  740.04 50663.8  747.8950801.73  750.1151694.52     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521718.62     .1522145.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21718.6222145.52             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.84    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1560129.00   80510.65   1124052.00
  E.G. Slope (ft/ft)      0.000320    Area (sq ft)            1560129.00   80510.65   1124052.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5248991.00   467767.60   2286374.00
  Top Width (ft)          48047.84    Top Width (ft)          18808.44     426.90   28812.50
  Vel Total (ft/s)            2.89    Avg. Vel. (ft/s)            3.36       5.81       2.03
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.95     188.59      39.01
  Conv. Total (cfs)       447716400.0    Conv. (cfs)            293642400.0   26168160.0   127905800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18837.74     428.38   28872.64
  Min Ch El (ft)            564.81    Shear (lb/sq ft)            1.65       3.75       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.56      21.78       1.58
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1251.14      64.65     900.38
  C & E Loss (ft)             0.00    Cum SA (acres)             15.08       0.34      23.12


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266328.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1245.65  764.81 1418.81     760 1930.05     760 2328.78  760.14
 2411.68  760.14 2550.66     770 2760.63     770 2850.66  763.31 3158.58  740.16
 3691.52  725.76 3950.95  718.83 4560.65  702.72 4664.38  700.06 4796.86  698.24
 5591.29  686.68 5790.15  683.96  6036.2  680.18 6074.81  680.14  6753.1  680.14
 7001.47  665.56 7257.03  650.26 7357.81  650.14  7453.7  650.14 7578.99  650.32
 7854.45  682.94 7915.94  690.14 8099.92  670.42 8156.27  670.42 8195.91  670.39
 8328.89  681.72 8409.64  688.66 8539.86  699.96 8778.83  709.99 9170.76  710.28
 9408.75  710.28  9431.2  708.95 9574.72  700.34 9687.59  700.2810555.59  700.18
10893.87  674.4411204.51  650.49 11233.5   640.611390.48  640.4211637.83  662.72
11703.44  668.7212146.38  709.6312487.78     71012999.57  710.1413008.27  710.15
13192.37  697.1313422.21  680.63 13488.2   680.613611.29  696.2213798.16     720
14171.52     720 14229.1  719.89 14318.9  721.2814601.55   726.214796.03  729.88
14870.06     73015303.11    73015846.18  729.5816032.86  728.9416050.09  725.82
16199.84  699.1316398.81   649.616420.55  648.0216673.78  629.8217115.72  619.88
17230.13  619.8619610.39  619.8619831.45     62020207.97     62020614.78  619.58
20786.23  619.5820880.22  609.7221132.18  599.8621673.68  590.1321681.11  589.98
21719.11     58021796.34  570.0821895.36  566.0721994.38  564.81 22122.6  577.53
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22146.16     58022231.06  649.2822293.99  649.4822504.32  665.2422568.67  669.91
22868.33  650.4522948.23  650.5123837.87  697.3424136.15  712.7924586.83  735.98
24852.02  749.7225093.03   735.325637.34   702.625676.07  700.2425967.73   699.9
26125.04  729.7226174.49  739.1626226.28  739.1626488.12   739.326880.67  729.65
27037.49  729.7327308.17   749.627834.56  749.8828056.23  741.4728457.93  726.01
28859.38  710.42 28919.3   710.429677.18  737.1829748.34  739.7230843.08  739.72
31229.54  739.8632756.86  739.4433258.71  739.5834048.36  739.5835016.23  729.72
35193.03  729.7235568.74  737.2735683.46  739.5536077.12  739.4436514.49  739.44
37087.83     70037093.89  697.4337250.64  630.3137420.47  629.5837446.41   629.6
37565.25  635.2238066.02  658.5238512.18   680.238607.06  680.4239065.54  680.46
39220.36  660.7639278.29  660.7639678.82  700.2440187.72  718.5340503.86  729.86
41005.27  733.8841401.52  737.3441637.75  739.2341733.44  739.9542212.54  739.72
42846.11     74043210.72  739.8343550.33  749.5343684.18  749.4743757.28   746.8
43866.14  742.8844231.54  729.9144408.27     73044498.62     73045565.99  729.61
45665.61  725.0745894.22  714.74 46134.8     70446220.23  700.1446434.98  700.14
46463.56  701.4946643.74  709.9346932.41  709.8347610.96  690.5347754.66   686.5
47986.18  680.1848109.04  680.2748662.56  712.2148975.04  730.0349988.49  738.54
50164.66  740.0450669.96  747.8950807.91  750.0951700.88     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521719.11     .1522146.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21719.1122146.16             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.84    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1560158.00   80541.47   1123697.00
  E.G. Slope (ft/ft)      0.000320    Area (sq ft)            1560158.00   80541.47   1123697.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5249879.00   468030.60   2285224.00
  Top Width (ft)          48054.41    Top Width (ft)          18809.02     427.05   28818.34
  Vel Total (ft/s)            2.90    Avg. Vel. (ft/s)            3.36       5.81       2.03
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.95     188.60      38.99
  Conv. Total (cfs)       447644000.0    Conv. (cfs)            293644600.0   26178630.0   127820800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18838.42     428.53   28878.64
  Min Ch El (ft)            564.81    Shear (lb/sq ft)            1.65       3.75       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.56      21.79       1.58
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1072.42      55.42     771.63
  C & E Loss (ft)             0.00    Cum SA (acres)             12.93       0.29      19.82


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266323.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1245.68  764.82 1418.84     760 1930.09     760 2328.83  760.12
 2411.73  760.12 2550.72    770 2760.69     770 2850.72  763.29 3158.65  740.14
  3691.6  725.77 3951.03  718.85 4560.75  702.72 4664.48  700.05 4796.96  698.21
 5591.41  686.64 5790.27   683.9 6036.33  680.15 6074.94  680.12 6753.25  680.12
 7001.63   665.5 7257.19  650.22 7357.97  650.12 7453.87  650.12 7579.16  650.26
 7854.62   682.9 7916.12  690.12  8100.1  670.35 8156.45  670.35 8196.09  670.32
 8329.07   681.7 8409.83  688.66 8540.05  699.96 8779.02  709.99 9170.96  710.23
 9408.96  710.23  9431.4   708.9 9574.94  700.29 9687.81  700.2310555.83  700.15
10894.12  674.3611204.76  650.4111233.75   640.511390.73  640.3511638.09  662.75
 11703.7  668.7612146.65  709.6912488.06     71012999.85  710.1213008.55  710.12
13192.66  697.0513422.51  680.52 13488.5   680.513611.59  696.1713798.47     720
14171.84     72014229.42  719.9114319.22  721.3314601.87  726.2614796.36   729.9
14870.39     73015303.45     73015846.54  729.6516033.22  729.1116050.45     726
 16200.2  699.2716399.18  649.6716420.92  648.0916674.15  629.85 17116.1   619.9
17230.51  619.8819610.82  619.8819831.89     62020208.42     62020615.24  619.65
20786.69  619.6520880.68  609.7721132.65  599.8821674.16  590.1321681.59  589.98
21719.59     58021796.95  570.0721896.13  566.0621995.32  564.8122123.29  577.55
 22146.8     58022231.72   649.422294.66  649.5722505.03  665.2522569.39  669.93
22869.11  650.3722949.03  650.4323838.83  697.2424137.17  712.7224587.94     736
24853.19  749.7725094.24  735.3125638.65  702.5625677.39   700.225969.11  699.92
26126.45  729.8426175.91   739.326227.71   739.326489.61  739.4126882.22  729.71
27039.07  729.7827309.81  749.66 27836.3   749.928058.02  741.4528459.79  725.95
28861.31  710.3528921.25  710.3429679.27  737.2229750.45  739.77 30845.4  739.77
31231.93  739.8832759.55  739.53 33261.5  739.65 34051.3  739.6535019.36  729.77
35196.19  729.7735571.98  737.3435686.71  739.6236080.45  739.5336517.91  739.53
37091.36     70037097.42  697.43 37254.2  630.2637424.06  629.6537450.01  629.67
37568.88  635.2838069.73  658.6138515.98  680.1738610.88  680.3539069.45  680.39
39224.29  660.6339282.24  660.6439682.85   700.240191.85  718.5240508.05  729.88
41009.55  733.9141405.89  737.3341642.16  739.2341737.86  739.9642217.06  739.77
42850.75     74043215.44  739.8643555.11  749.6143688.98  749.5643762.09  746.89
43870.98  742.9644236.45  729.9244413.21     73044503.58     73045571.16  729.68
 45670.8  725.1345899.45  714.7746140.08  703.9946225.53  700.1246440.32  700.12
46468.91  701.4746649.12  709.9446937.84  709.8647616.53  690.5647760.25  686.51
47991.82  680.15 48114.7  680.2348668.32  712.1748980.86  730.0349994.51  738.54
50170.71  740.0350676.11  747.8850814.09  750.0851707.23     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521719.59     .15 22146.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21719.59 22146.8             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.84    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1560213.00   80572.52   1123340.00
  E.G. Slope (ft/ft)      0.000320    Area (sq ft)            1560213.00   80572.52   1123340.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5250814.00   468282.00   2284037.00
  Top Width (ft)          48060.91    Top Width (ft)          18809.68     427.21   28824.02
  Vel Total (ft/s)            2.90    Avg. Vel. (ft/s)            3.37       5.81       2.03
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.95     188.60      38.97
  Conv. Total (cfs)       447578700.0    Conv. (cfs)            293654100.0   26188880.0   127735800.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18839.17     428.69   28884.49
  Min Ch El (ft)            564.81    Shear (lb/sq ft)            1.65       3.75       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.56      21.80       1.58
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      893.69      46.20     642.93
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  C & E Loss (ft)             0.00    Cum SA (acres)             10.77       0.24      16.52


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266318.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800  1245.7  764.84 1418.87     760 1930.13     760 2328.88  760.09
 2411.79  760.09 2550.77     770 2760.75     770 2850.78  763.28 3158.72  740.11
 3691.69  725.79 3951.12  718.87 4560.85  702.73 4664.59  700.04 4797.07  698.18
 5591.53  686.61  5790.4  683.83 6036.46  680.12 6075.08  680.09  6753.4  680.09
 7001.79  665.45 7257.35  650.17 7358.13  650.09 7454.03  650.09 7579.33  650.21
  7854.8  682.86  7916.3  690.09 8100.28  670.28 8156.64  670.28 8196.27  670.26
 8329.26  681.68 8410.02  688.65 8540.24  699.97 8779.22  709.99 9171.17  710.19
 9409.16  710.19 9431.61  708.85 9575.15  700.23 9688.02  700.1910556.06  700.12
10894.36  674.27   11205  650.33   11234  640.411390.99  640.2811638.35  662.78
11703.96   668.812146.92  709.7612488.33     71013000.14  710.0913008.84   710.1
13192.95  696.9713422.81  680.42 13488.8  680.413611.89  696.1113798.77     720
14172.15     72014229.74  719.9314319.54  721.3814602.19  726.3214796.69  729.92
14870.72     73015303.79     73015846.89  729.7216033.58  729.29 16050.8  726.18
16200.56  699.4216399.54  649.7416421.29  648.1516674.52  629.8817116.48  619.92
17230.89  619.9119611.26  619.9119832.33     62020208.87     62020615.69  619.72
20787.15  619.7220881.14  609.8121133.12  599.9121674.64  590.1321682.07  589.98
21720.07     58021797.56  570.0621896.91  566.0421996.25  564.8122123.97  577.57
22147.44     58022232.38  649.5222295.33  649.6522505.73  665.2622570.12  669.94
22869.88   650.322949.82  650.34 23839.8  697.1324138.19  712.6624589.05  736.01
24854.35  749.8125095.45  735.3325639.97  702.5225678.71  700.1625970.49  699.93
26127.86  729.9626177.33  739.4426229.14  739.4426491.08  739.5326883.78  729.77
27040.66  729.8227311.45  749.7327838.04  749.92 28059.8  741.4328461.65   725.9
28863.25  710.28 28923.2  710.2729681.37  737.2629752.56  739.8130847.72  739.81
31234.33  739.9132762.24  739.6333264.29  739.7234054.23  739.7235022.49  729.81
35199.35  729.8135575.21   737.435689.97   739.736083.79  739.6336521.33  739.63
37094.88     70037100.95  697.4237257.76  630.2137427.66  629.7237453.61  629.74
 37572.5  635.3438073.45   658.738519.78  680.13 38614.7  680.2839073.36  680.31
39228.23   660.539286.19  660.5139686.88  700.1640195.98  718.5240512.24  729.91
41013.84  733.9541410.25  737.3341646.56  739.2341742.29  739.9742221.58  739.81
42855.39     74043220.15  739.8943559.89  749.6943693.78  749.6543766.91  746.98
43875.82  743.0444241.36  729.9444418.15     73044508.54     73045576.33  729.74
45675.99  725.1945904.68  714.8146145.36  703.9746230.82  700.0946445.66  700.09
46474.25  701.4546654.49  709.9646943.27  709.8947622.09  690.5847765.84  686.53
47997.45  680.1248120.36  680.1848674.09  712.1348986.69  730.0250000.54  738.53
50176.77  740.0250682.27  747.8850820.27  750.0651713.58     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521720.07     .1522147.44     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21720.0722147.44             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.84    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1560233.00   80604.08   1123002.00
  E.G. Slope (ft/ft)      0.000320    Area (sq ft)            1560233.00   80604.08   1123002.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5251643.00   468546.50   2282944.00
  Top Width (ft)          48067.49    Top Width (ft)          18810.26     427.37   28829.86
  Vel Total (ft/s)            2.90    Avg. Vel. (ft/s)            3.37       5.81       2.03
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)           82.95     188.61      38.95
  Conv. Total (cfs)       447506900.0    Conv. (cfs)            293653300.0   26199470.0   127654200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18839.84     428.85   28890.49
  Min Ch El (ft)            564.81    Shear (lb/sq ft)            1.65       3.75       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.57      21.82       1.58
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      714.96      36.96     514.27
  C & E Loss (ft)             0.00    Cum SA (acres)              8.62       0.20      13.22


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266313.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1245.73  764.85 1418.91     760 1930.18     760 2328.93  760.07
 2411.84  760.07 2550.83     770 2760.82     770 2850.85  763.26 3158.79  740.08
 3691.77   725.8 3951.21  718.89 4560.95  702.74 4664.69  700.03 4797.18  698.15
 5591.66  686.58 5790.53  683.77  6036.6  680.09 6075.21  680.07 6753.55  680.07
 7001.94  665.39 7257.52  650.13  7358.3  650.07  7454.2  650.07 7579.49  650.16
 7854.97  682.82 7916.47  690.07 8100.46  670.21 8156.82  670.21 8196.45  670.19
 8329.44  681.66  8410.2  688.65 8540.43  699.98 8779.42     710 9171.37  710.14
 9409.37  710.14 9431.82   708.8 9575.36  700.17 9688.24  700.14 10556.3  700.09
 10894.6  674.1911205.25  650.2511234.25   640.311391.24  640.2111638.61  662.82
11704.22  668.8512147.19  709.8212488.61     71013000.43  710.0713009.13  710.07
13193.25  696.8913423.11  680.31 13489.1   680.313612.19  696.0513799.08     720
14172.47     72014230.05  719.9514319.86  721.4314602.52  726.3814797.01  729.94
14871.05     73015304.13     73015847.24  729.7916033.93  729.4716051.16  726.36
16200.92  699.5616399.91   649.816421.65  648.2216674.89  629.9117116.86  619.94
17231.28  619.9319611.69  619.9319832.77     62020209.32     62020616.15  619.79
20787.62  619.7920881.61  609.8621133.59  599.9321675.12  590.1321682.55  589.99
21720.55     58021798.17  570.0421897.68  566.0321997.19   564.822124.66  577.59
22148.08     58022233.03  649.64   22296  649.7422506.44  665.2822570.84  669.96
22870.66  650.2222950.62  650.2623840.76  697.0324139.22  712.5924590.16  736.03
24855.51  749.8625096.66  735.3425641.28  702.4725680.03  700.1225971.87  699.95
26129.26  730.0826178.74  739.5826230.56  739.5826492.56  739.6526885.33  729.82
27042.24  729.8727313.09   749.827839.78  749.9428061.58  741.4128463.51  725.84
28865.19  710.2128925.15   710.229683.46   737.329754.67  739.8630850.04  739.86
31236.72  739.9332764.93  739.7233267.07  739.7934057.18  739.7935025.61  729.86
35202.51  729.8635578.45  737.4735693.23  739.7736087.12  739.7236524.75  739.72
37098.41     70037104.48  697.4137261.32  630.1537431.25  629.79 37457.2   629.8
37576.12   635.438077.17  658.7938523.59   680.138618.52  680.2139077.27  680.23
39232.18  660.3839290.14  660.3839690.91  700.12 40200.1  718.5140516.43  729.93
41018.12  733.9841414.61  737.3241650.97  739.2341746.72  739.98 42226.1  739.86
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42860.03     74043224.86  739.9243564.66  749.7743698.59  749.7443771.73  747.07
43880.66  743.1244246.27  729.9544423.09     730 44513.5     73045581.49  729.81
45681.18  725.2545909.91  714.8446150.64  703.9646236.11  700.0746450.99  700.07
46479.59  701.4346659.87  709.97 46948.7  709.9147627.65  690.6147771.43  686.54
48003.09  680.0948126.02  680.1448679.86  712.0948992.52  730.0250006.56  738.53
50182.82  740.0250688.42  747.8750826.45  750.0551719.93     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521720.55     .1522148.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21720.5522148.08             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.84    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1560275.00   80637.17   1122654.00
  E.G. Slope (ft/ft)      0.000320    Area (sq ft)            1560275.00   80637.17   1122654.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5252519.00   468818.20   2281796.00
  Top Width (ft)          48074.02    Top Width (ft)          18810.94     427.53   28835.54
  Vel Total (ft/s)            2.90    Avg. Vel. (ft/s)            3.37       5.81       2.03
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           82.95     188.61      38.93
  Conv. Total (cfs)       447440000.0    Conv. (cfs)            293658300.0   26210730.0   127570900.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18840.61     429.02   28896.34
  Min Ch El (ft)            564.80    Shear (lb/sq ft)            1.65       3.75       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.57      21.83       1.58
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      536.23      27.73     385.64
  C & E Loss (ft)             0.00    Cum SA (acres)              6.46       0.15       9.91


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266308.*

INPUT
Description:
Station Elevation Data    num=     174
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1245.76  764.86 1418.94     760 1930.22     760 2328.98  760.05
 2411.89  760.05 2550.89    770 2760.88     770 2850.91  763.25 3158.86  740.05
 3691.85  725.82  3951.3  718.91 4561.05  702.74 4664.79  700.02 4797.28  698.12
 5591.78  686.55 5790.66  683.71 6036.73  680.06 6075.35  680.05  6753.7  680.05
  7002.1  665.33 7257.68  650.09 7358.46  650.05 7454.37  650.05 7579.66  650.11
 7855.15  682.78 7916.65  690.05 8100.64  670.14    8157  670.14 8196.64  670.13
 8329.63  681.64 8410.39  688.65 8540.62  699.99 8779.61     710 9171.58  710.09
 9409.58  710.09 9432.03  708.75 9575.57  700.11 9688.45  700.0910556.53  700.06
10894.84   674.1 11205.5  650.16 11234.5   640.211391.49  640.1411638.86  662.85
11704.48  668.8912147.46  709.8812488.89     71013000.72  710.0513009.42  710.05
13193.54  696.81 13423.4  680.21 13489.4   680.2 13612.5     69613799.39     720
14172.78     72014230.37  719.9614320.17  721.4814602.84  726.4514797.34  729.96
14871.38     73015304.47     73015847.59  729.8616034.29  729.6416051.52  726.54
16201.28  699.7116400.27  649.8716422.01  648.2916675.26  629.9417117.24  619.96
17231.66  619.9519612.13  619.9519833.21     62020209.77     62020616.61  619.86
20788.08  619.8620882.07  609.9121134.06  599.9521675.61  590.1321683.04  589.99
21721.04     58021798.78  570.0321898.45  566.0221998.12   564.822125.34   577.6
22148.72     58022233.69  649.7622296.66  649.8322507.15  665.2922571.56  669.97
22871.44  650.1522951.41  650.1723841.73  696.9324140.24  712.5324591.28  736.04
24856.67  749.9125097.87  735.35 25642.6  702.4325681.36  700.0825973.24  699.97
26130.67   730.226180.16  739.7226231.99  739.7226494.04  739.7726886.89  729.88
27043.83  729.9127314.72  749.8727841.52  749.9628063.36  741.3928465.37  725.78
28867.12  710.14 28927.1  710.1329685.56  737.3429756.78  739.9130852.36  739.91
31239.12  739.9532767.62  739.8133269.86  739.8634060.12  739.8635028.74  729.91
35205.68  729.9135581.68  737.5335696.48  739.8536090.45  739.8136528.16  739.81
37101.94     700   37108  697.4137264.88   630.137434.84  629.86 37460.8  629.87
37579.74  635.4638080.89  658.8938527.39  680.0738622.34  680.1439081.18  680.15
39236.12  660.2539294.09  660.2539694.94  700.0840204.23  718.5140520.62  729.95
41022.41  734.0141418.97  737.3141655.38  739.2341751.14  739.9842230.61  739.91
42864.68     74043229.57  739.9443569.44  749.8443703.39  749.8243776.55  747.15
 43885.5   743.244251.18  729.9744428.04     73044518.46     73045586.66  729.87
45686.36  725.3145915.14  714.8846155.91  703.9546241.41  700.0546456.32  700.05
46484.93  701.4146665.25  709.9846954.13  709.9447633.21  690.6347777.02  686.56
48008.73  680.0648131.68  680.0948685.62  712.0448998.34  730.0150012.58  738.53
50188.88  740.0150694.58  747.8750832.63  750.0351726.29     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521721.04     .1522148.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21721.0422148.72             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            758.84    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       1560322.00   80667.45   1122323.00
  E.G. Slope (ft/ft)      0.000320    Area (sq ft)            1560322.00   80667.45   1122323.00
  Q Total (cfs)           8003133.00    Flow (cfs)             5253389.00   469064.90   2280679.00
  Top Width (ft)          48080.59    Top Width (ft)          18811.53     427.68   28841.38
  Vel Total (ft/s)            2.90    Avg. Vel. (ft/s)            3.37       5.81       2.03
  Max Chl Dpth (ft)         194.04    Hydr. Depth (ft)           82.94     188.62      38.91
  Conv. Total (cfs)       447377700.0    Conv. (cfs)            293666100.0   26220870.0   127490700.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        18841.28     429.17   28902.35
  Min Ch El (ft)            564.80    Shear (lb/sq ft)            1.65       3.76       0.78
  Alpha                       1.26    Stream Power (lb/ft s)      5.57      21.84       1.58
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      357.49      18.49     257.05
  C & E Loss (ft)             0.00    Cum SA (acres)              4.31       0.10       6.61


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266303.*

INPUT
Description:
Station Elevation Data    num=     174
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800 1245.79  764.87 1418.97     760 1930.26     760 2329.04  760.02
 2411.95  760.02 2550.94     770 2760.94     770 2850.97  763.23 3158.93  740.03
 3691.93  725.83 3951.39  718.93 4561.15  702.75  4664.9  700.01 4797.39   698.1
 5591.91  686.52 5790.79  683.65 6036.87  680.03 6075.48  680.02 6753.85  680.02
 7002.25  665.27 7257.84  650.04 7358.62  650.02 7454.53  650.02 7579.83  650.05
 7855.32  682.74 7916.82  690.02 8100.82  670.07 8157.18  670.07 8196.82  670.06
 8329.81  681.62 8410.58  688.65 8540.81  699.99  8779.8     710 9171.78  710.05
 9409.79  710.05 9432.24   708.7 9575.79  700.06 9688.67  700.0510556.77  700.03
10895.08  674.0211205.75  650.0811234.75   640.111391.75  640.0711639.12  662.88
11704.74  668.9412147.73  709.9412489.17     71013001.01  710.0213009.71  710.02
13193.83  696.74 13423.7   680.1 13489.7   680.1 13612.8  695.9413799.69     720
 14173.1     72014230.68  719.9814320.49  721.5314603.17  726.5114797.67  729.98
14871.71     73015304.81     73015847.94  729.9316034.64  729.8216051.87  726.72
16201.64  699.8516400.63  649.9316422.38  648.3516675.63  629.9717117.62  619.98
17232.04  619.9819612.56  619.9819833.65     62020210.22     62020617.07  619.93
20788.54  619.9320882.54  609.9521134.53  599.9821676.09  590.1421683.52     590
21721.52     58021799.39  570.0121899.23  566.0121999.06   564.822126.03  577.62
22149.36     58022234.34  649.8822297.33  649.9122507.86   665.322572.28  669.99
22872.22  650.0722952.21  650.09 23842.7  696.8324141.27  712.4624592.39  736.06
24857.84  749.9525099.08  735.3625643.91  702.3925682.68  700.0425974.62  699.98
26132.08  730.3126181.58  739.8626233.42  739.8626495.52  739.8826888.44  729.94
27045.41  729.9627316.36  749.9327843.26  749.9828065.14  741.3728467.23  725.73
28869.06  710.0728929.05  710.0729687.65  737.3829758.89  739.9530854.68  739.95
31241.52  739.9832770.31  739.9133272.65  739.9334063.06  739.9335031.87  729.95
35208.84  729.9535584.91   737.635699.74  739.9236093.79  739.9136531.58  739.91
37105.47     70037111.54   697.437268.44  630.0537438.43  629.93 37464.4  629.93
37583.36  635.5238084.61  658.98 38531.2  680.0338626.17  680.0739085.09  680.08
39240.06  660.1339298.05  660.1339698.97  700.0440208.36  718.5140524.81  729.98
 41026.7  734.0441423.33  737.3141659.79  739.2241755.57  739.9942235.13  739.95
42869.32     74043234.29  739.9743574.22  749.9243708.19  749.9143781.37  747.24
43890.33  743.2744256.09  729.9844432.98     73044523.43     73045591.83  729.94
45691.55  725.3745920.38  714.9146161.19  703.93 46246.7  700.0246461.66  700.02
46490.27  701.3946670.62  709.9946959.57  709.9747638.78  690.6647782.61  686.58
48014.36  680.0348137.34  680.0548691.39     71249004.17  730.01 50018.6  738.52
50194.94  740.0150700.73  747.8650838.82  750.0251732.64     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1521721.52     .1522149.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      21721.5222149.36              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.00    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            758.83    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)        1560338.00   80699.06   1121968.00
  E.G. Slope (ft/ft)      0.000320    Area (sq ft)             1560338.00   80699.06   1121968.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5254240.00   469334.60   2279558.00
  Top Width (ft)          48087.11    Top Width (ft)           18812.19     427.84   28847.08
  Vel Total (ft/s)            2.90    Avg. Vel. (ft/s)             3.37       5.82       2.03
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)            82.94     188.62      38.89
  Conv. Total (cfs)       447301100.0    Conv. (cfs)            293663400.0   26231460.0   127406200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         18842.03     429.33   28908.22
  Min Ch El (ft)            564.80    Shear (lb/sq ft)             1.66       3.76       0.78
  Alpha                       1.26    Stream Power (lb/ft s)       5.57      21.85       1.58
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)       178.75       9.25     128.51
  C & E Loss (ft)             0.00    Cum SA (acres)               2.16       0.05       3.30


CROSS SECTION


RIVER: BRAZOS RIVER
REACH: LOWER BRAZOS       RS: 266298

INPUT
Description:
Station Elevation Data    num=      90
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     800    1419     760    2412     760    2551     770    2761     770
    3159     740    4665     700    6037     680    6754     680    7258     650
    7580     650    7917     690    8101     670    8197     670    8541     700
    8780     710    9410     710    9576     700   10557     700   11206     650
   11235     640   11392     640   12148     710   13010     710   13424     680
   13490     680   13800     720   14231     720   14798     730   16035     730
   16202     700   16401     650   16676     630   17118     620   20789     620
   20883     610   21135     600   21684     590   21722     580   21800     570
   21900     566   22000   564.8   22150     580   22235     650   22298     650
   22573     670   22873     650   22953     650   24859     750   25684     700
   25976     700   26183     740   26497     740   26890     730   27047     730
   27318     750   27845     750   28871     710   28931     710   29761     740
   34066     740   35035     730   35212     730   35703     740   36535     740
   37109     700   37272     630   37468     630   38535     680   39089     680
   39244     660   39302     660   39703     700   40529     730   41760     740
   43239     740   43579     750   43713     750   44261     730   45597     730
   46252     700   46467     700   46676     710   46965     710   48020     680
   48143     680   49010     730   50201     740   50845     750   51739     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   21722     .15   22150     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         21722   22150                 0       0       0             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.00    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.16    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            758.83    Reach Len. (ft)
  Crit W.S. (ft)            657.82    Flow Area (sq ft)        1560386.00   80730.11   1121628.00
  E.G. Slope (ft/ft)      0.000320    Area (sq ft)             1560386.00   80730.11   1121628.00
  Q Total (cfs)           8003133.00    Flow (cfs)              5255131.00   469585.30   2278417.00
  Top Width (ft)          48093.76    Top Width (ft)           18812.84     428.00   28852.92
  Vel Total (ft/s)            2.90    Avg. Vel. (ft/s)             3.37       5.82       2.03
  Max Chl Dpth (ft)         194.03    Hydr. Depth (ft)            82.94     188.62      38.87
  Conv. Total (cfs)       447236800.0    Conv. (cfs)            293670900.0   26241700.0   127324100.0
  Length Wtd. (ft)                    Wetted Per. (ft)         18842.77     429.49   28914.22
  Min Ch El (ft)            564.80    Shear (lb/sq ft)             1.66       3.76       0.78
  Alpha                       1.26    Stream Power (lb/ft s)       5.58      21.86       1.58
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  Frctn Loss (ft)                     Cum Volume (acre-ft)
  C & E Loss (ft)                     Cum SA (acres)


Warning: The parabolic search method failed to converge on critical depth.  The program will try the cross
         section slice/secant method to find critical depth.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 25092

INPUT
Description:
Station Elevation Data    num=      20
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     710      50     710     350     700     600     660     700     660
     800     650     950     650    1400     640    1600     640    1700     630
    1800     612    1900     612    2000     633    2250     637    2350     635
    2450     635    2600     660    2800     660    3800     680    4400     712

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    1700     .15    2000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          1700    2000             2347    2347    2347             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.95    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.08    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.87    Reach Len. (ft)          2347.00    2347.00    2347.00
  Crit W.S. (ft)                      Flow Area (sq ft)       165734.60   42711.99   223520.90
  E.G. Slope (ft/ft)      0.000109    Area (sq ft)            165734.60   42711.99   223520.90
  Q Total (cfs)           944490.80    Flow (cfs)              355942.40   119618.70   468929.70
  Top Width (ft)           4400.00    Top Width (ft)           1700.00     300.00    2400.00
  Vel Total (ft/s)            2.19    Avg. Vel. (ft/s)            2.15       2.80       2.10
  Max Chl Dpth (ft)         148.87    Hydr. Depth (ft)           97.49     142.37      93.13
  Conv. Total (cfs)       90331300.0    Conv. (cfs)             34042410.0   11440360.0   44848530.0
  Length Wtd. (ft)         2347.00    Wetted Per. (ft)         1755.33     303.79    2452.05
  Min Ch El (ft)            612.00    Shear (lb/sq ft)            0.64       0.96       0.62
  Alpha                       1.03    Stream Power (lb/ft s)      1.38       2.69       1.31
  Frctn Loss (ft)             0.26    Cum Volume (acre-ft)    174694.80   29030.64   109048.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1557.93     178.84    1035.12


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22745

INPUT
Description:
Station Elevation Data    num=      18
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     736     300     710     550     690     800     690    1150     670
    1800     640    2600     630    2750     620    2800     608    2900     608
    2950     630    3000     636    3200     630    3400     630    3600     652
    4000     676    4400     740    4600     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2600     .15    2950     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2600    2950             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.69    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.08    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.62    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       241456.10   50016.21   145769.30
  E.G. Slope (ft/ft)      0.000109    Area (sq ft)            241456.10   50016.21   145769.30
  Q Total (cfs)           944490.80    Flow (cfs)              508811.80   139788.80   295890.20
  Top Width (ft)           4600.00    Top Width (ft)           2600.00     350.00    1650.00
  Vel Total (ft/s)            2.16    Avg. Vel. (ft/s)            2.11       2.79       2.03
  Max Chl Dpth (ft)         152.62    Hydr. Depth (ft)           92.87     142.90      88.35
  Conv. Total (cfs)       90407810.0    Conv. (cfs)             48704080.0   13380750.0   28322970.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2627.87     356.38    1678.08
  Min Ch El (ft)            608.00    Shear (lb/sq ft)            0.63       0.96       0.59
  Alpha                       1.04    Stream Power (lb/ft s)      1.32       2.67       1.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    163725.10   26532.56   99099.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1442.09     161.33     926.02


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22735.0*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.04  108.58  726.63  217.16  717.18  300.68  709.96  434.31  699.29
  551.24  689.95  579.08  689.94  801.81  689.89  1013.4  677.84  1152.6  669.94
 1230.56  666.37 1804.07  640.07  2026.8   637.3 2207.76  634.99 2316.34  633.59
 2605.88  629.94 2705.88  623.31 2755.88  619.96 2805.88  607.98 2905.88  607.98
 2956.18     630  3006.1  636.01 3093.46  633.47 3205.78  630.17 3230.74  630.18
 3368.01  630.44 3405.45  630.44 3505.29  641.38 3573.93  648.87 3605.13  652.28
 3711.21  658.62 4004.49  676.18 4191.69  706.02 4328.97     728 4403.85  739.95
 4603.53  740.01

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
```

```
       0     .15 2605.88     .15 2956.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2605.88 2956.18             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.69    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.08    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.62    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       242046.30   50068.09   145271.80
  E.G. Slope (ft/ft)      0.000109    Area (sq ft)            242046.30   50068.09   145271.80
  Q Total (cfs)           944490.80    Flow (cfs)              510063.80   139939.50   294487.50
  Top Width (ft)           4603.53    Top Width (ft)           2605.88     350.30    1647.35
  Vel Total (ft/s)            2.16    Avg. Vel. (ft/s)            2.11       2.79       2.03
  Max Chl Dpth (ft)         152.64    Hydr. Depth (ft)           92.88     142.93      88.19
  Conv. Total (cfs)       90419830.0    Conv. (cfs)            48830420.0   13396960.0   28192450.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2633.70     356.66    1675.37
  Min Ch El (ft)            607.98    Shear (lb/sq ft)            0.63       0.96       0.59
  Alpha                       1.04    Stream Power (lb/ft s)      1.32       2.67       1.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    163669.80   26521.09   99066.45
  C & E Loss (ft)             0.00    Cum SA (acres)           1441.49     161.25     925.64


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22725.0*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.07  108.82  726.65  217.65  717.14  301.36  709.92  435.29  699.25
  552.49  689.91  580.39  689.88  803.62  689.77 1015.69  677.75  1155.2  669.88
 1233.33  666.32 1808.14  640.15 2031.37  637.37 2212.75  635.02 2321.57  633.57
 2611.76  629.88 2711.76  623.29 2761.76  619.91 2811.76  607.96 2911.76  607.96
 2962.35     630 3012.19  636.01 3099.41  633.57 3211.55  630.33 3236.47  630.35
 3373.53  630.88 3410.91  630.88 3510.59  641.75 3579.12  649.17 3610.27  652.56
 3716.18  658.86 4008.98  676.35 4195.88  706.05 4332.94     728  4407.7   739.9
 4607.06  740.02

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2611.76     .15 2962.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2611.76 2962.35             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.69    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.08    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.62    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       242636.70   50118.81   144781.60
  E.G. Slope (ft/ft)      0.000109    Area (sq ft)            242636.70   50118.81   144781.60
  Q Total (cfs)           944490.80    Flow (cfs)              511303.90   140084.30   293102.60
  Top Width (ft)           4607.06    Top Width (ft)           2611.76     350.59    1644.71
  Vel Total (ft/s)            2.16    Avg. Vel. (ft/s)            2.11       2.80       2.02
  Max Chl Dpth (ft)         152.66    Hydr. Depth (ft)           92.90     142.96      88.03
  Conv. Total (cfs)       90433900.0    Conv. (cfs)            48956760.0   13412910.0   28064240.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2639.54     356.92    1672.67
  Min Ch El (ft)            607.96    Shear (lb/sq ft)            0.63       0.96       0.59
  Alpha                       1.04    Stream Power (lb/ft s)      1.32       2.67       1.19
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    163614.20   26509.62   99033.23
  C & E Loss (ft)             0.00    Cum SA (acres)           1440.90     161.17     925.26


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22715.0*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.11  109.07  726.67  218.14  717.09  302.04  709.88  436.27   699.2
  553.73  689.86   581.7  689.82  805.43  689.66 1017.97  677.66 1157.81  669.82
 1236.11  666.28 1812.22  640.22 2035.95  637.45 2217.73  635.05  2326.8  633.55
 2617.65  629.82 2717.65  623.27 2767.65  619.87 2817.65  607.95 2917.65  607.95
 2968.53     630 3018.29  636.02 3105.37  633.67 3217.33   630.5 3242.21  630.53
 3379.04  631.32 3416.36  631.32 3515.88  642.13  3584.3  649.47  3615.4  652.85
 3721.14  659.11 4013.48  676.53 4200.07  706.07 4336.91     728 4411.55  739.86
 4610.59  740.04

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2617.65     .15 2968.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2617.65 2968.53             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.69    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.08    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.61    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       243227.20   50167.52   144281.80
  E.G. Slope (ft/ft)      0.000109    Area (sq ft)            243227.20   50167.52   144281.80
  Q Total (cfs)           944490.80    Flow (cfs)              512563.80   140226.40   291700.60
  Top Width (ft)           4610.59    Top Width (ft)           2617.65     350.88    1642.06
  Vel Total (ft/s)            2.16    Avg. Vel. (ft/s)            2.11       2.80       2.02
  Max Chl Dpth (ft)         152.66    Hydr. Depth (ft)           92.92     142.98      87.87
  Conv. Total (cfs)       90444450.0    Conv. (cfs)            49083110.0   13428080.0   27933250.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2645.38     357.18    1669.95
  Min Ch El (ft)            607.95    Shear (lb/sq ft)            0.63       0.96       0.59
  Alpha                       1.04    Stream Power (lb/ft s)      1.32       2.67       1.19
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  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    163558.60   26498.13   99000.11
  C & E Loss (ft)            0.00    Cum SA (acres)           1440.30     161.09     924.89


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22705.0*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.14  109.31  726.69  218.63  717.05  302.71  709.84  437.25  699.16
  554.98  689.82  583.01  689.76  807.24  689.55 1020.26  677.56 1160.41  669.77
 1238.89  666.24 1816.29  640.29 2040.52  637.52 2222.71  635.08 2332.03  633.53
 2623.53  629.76 2723.53  623.25 2773.53  619.82 2823.53  607.93 2923.53  607.93
 2974.71     630 3024.39  636.03 3111.32  633.77  3223.1  630.66 3247.94  630.71
 3384.56  631.76 3421.82  631.76 3521.18  642.51 3589.49  649.77 3620.53  653.13
  3726.1  659.35 4017.97  676.71 4204.26  706.09 4340.88     728  4415.4  739.81
 4614.12  740.05

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2623.53     .15 2974.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2623.53 2974.71             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           760.69    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.08    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           760.61    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                     Flow Area (sq ft)       243817.30   50219.64   143788.70
  E.G. Slope (ft/ft)      0.000109   Area (sq ft)            243817.30   50219.64   143788.70
  Q Total (cfs)           944490.80   Flow (cfs)             513803.80   140375.90   290311.10
  Top Width (ft)           4614.12   Top Width (ft)           2623.53     351.18    1639.41
  Vel Total (ft/s)            2.16   Avg. Vel. (ft/s)            2.11       2.80       2.02
  Max Chl Dpth (ft)         152.68   Hydr. Depth (ft)           92.93     143.00      87.71
  Conv. Total (cfs)       90458130.0   Conv. (cfs)            49209300.0   13444430.0   27804400.0
  Length Wtd. (ft)            9.98   Wetted Per. (ft)         2651.22     357.46    1667.24
  Min Ch El (ft)            607.93   Shear (lb/sq ft)            0.63       0.96       0.59
  Alpha                       1.04   Stream Power (lb/ft s)      1.32       2.67       1.19
  Frctn Loss (ft)             0.00   Cum Volume (acre-ft)    163502.80   26486.63   98967.11
  C & E Loss (ft)             0.00   Cum SA (acres)           1439.70     161.01     924.51


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22695.0*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.18  109.56  726.71  219.12  717.01  303.39   709.8  438.24  699.12
  556.22  689.77  584.31  689.71  809.05  689.43 1022.55  677.47 1163.01  669.71
 1241.67  666.19 1820.36  640.37  2045.1   637.6  2227.7  635.11 2337.25   633.5
 2629.41  629.71 2729.41  623.24 2779.41  619.78 2829.41  607.91 2929.41  607.91
 2980.88     630 3030.48  636.04 3117.28  633.86 3228.88  630.83 3253.68  630.88
 3390.07  632.21 3427.27  632.21 3526.47  642.88 3594.67  650.08 3625.67  653.41
 3731.07   659.6 4022.46  676.89 4208.46  706.12 4344.85     728 4419.25  739.76
 4617.65  740.06

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2629.41     .15 2980.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2629.41 2980.88             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           760.69    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           760.61    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                     Flow Area (sq ft)       244405.40   50268.63   143294.30
  E.G. Slope (ft/ft)      0.000109   Area (sq ft)            244405.40   50268.63   143294.30
  Q Total (cfs)           944490.80   Flow (cfs)             515050.60   140515.70   288924.40
  Top Width (ft)           4617.65   Top Width (ft)           2629.41     351.47    1636.77
  Vel Total (ft/s)            2.16   Avg. Vel. (ft/s)            2.11       2.80       2.02
  Max Chl Dpth (ft)         152.70   Hydr. Depth (ft)           92.95     143.02      87.55
  Conv. Total (cfs)       90469620.0   Conv. (cfs)            49334980.0   13459530.0   27675110.0
  Length Wtd. (ft)            9.98   Wetted Per. (ft)         2657.05     357.73    1664.54
  Min Ch El (ft)            607.91   Shear (lb/sq ft)            0.63       0.96       0.59
  Alpha                       1.04   Stream Power (lb/ft s)      1.32       2.67       1.18
  Frctn Loss (ft)             0.00   Cum Volume (acre-ft)    163446.90   26475.12   98934.23
  C & E Loss (ft)             0.00   Cum SA (acres)           1439.10     160.93     924.13


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22685.0*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.21   109.8  726.73  219.61  716.97  304.07  709.76  439.22  699.07
  557.47  689.73  585.62  689.65  810.86  689.32 1024.84  677.37 1165.61  669.65
 1244.44  666.15 1824.43  640.44 2049.67  637.67 2232.68  635.14 2342.48  633.48
 2635.29  629.65 2735.29  623.22 2785.29  619.74 2835.29  607.89 2935.29  607.89
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 2987.06     630 3036.58  636.04 3123.24  633.96 3234.65  630.99 3259.41  631.06
 3395.59  632.65 3432.73  632.65 3531.76  643.26 3599.85  650.38  3630.8  653.69
 3736.03  659.84 4026.95  677.06 4212.65  706.14 4348.82     728  4423.1  739.71
 4621.18  740.07

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2635.29     .15 2987.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2635.29 2987.06             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.69    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.61    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       244998.20   50320.28   142805.70
  E.G. Slope (ft/ft)      0.000109    Area (sq ft)            244998.20   50320.28   142805.70
  Q Total (cfs)           944490.80    Flow (cfs)             516286.50   140658.80   287545.60
  Top Width (ft)           4621.18    Top Width (ft)          2635.29     351.77    1634.12
  Vel Total (ft/s)            2.16    Avg. Vel. (ft/s)           2.11       2.80       2.01
  Max Chl Dpth (ft)         152.72    Hydr. Depth (ft)           92.97     143.05      87.39
  Conv. Total (cfs)       90485620.0    Conv. (cfs)            49462100.0   13475610.0   27547900.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        2662.90     358.01    1661.83
  Min Ch El (ft)            607.89    Shear (lb/sq ft)           0.63       0.96       0.58
  Alpha                       1.04    Stream Power (lb/ft s)     1.32       2.67       1.18
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    163390.80   26463.59   98901.45
  C & E Loss (ft)             0.00    Cum SA (acres)           1438.49     160.85     923.76


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22675.0*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.25  110.05  726.75   220.1  716.92  304.75  709.71   440.2  699.03
  558.71  689.68  586.93  689.59  812.67  689.21 1027.12  677.28 1168.21  669.59
 1247.22  666.11 1828.51  640.52 2054.25  637.75 2237.66  635.17 2347.71  633.46
 2641.18  629.59 2741.18   623.2 2791.18  619.69 2841.18  607.88 2941.18  607.88
 2993.24     630 3042.67  636.05 3129.19  634.06 3240.43  631.16 3265.15  631.24
  3401.1  633.09 3438.18  633.09 3537.06  643.64 3605.04  650.68 3635.94  653.98
 3740.99  660.09 4031.44  677.24 4216.84  706.16 4352.79     728 4426.95  739.66
 4624.71  740.08

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2641.18     .15 2993.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2641.18 2993.24             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.69    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.61    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       245585.30   50369.51   142311.70
  E.G. Slope (ft/ft)      0.000109    Area (sq ft)            245585.30   50369.51   142311.70
  Q Total (cfs)           944490.80    Flow (cfs)             517526.00   140801.40   286163.40
  Top Width (ft)           4624.71    Top Width (ft)          2641.18     352.06    1631.47
  Vel Total (ft/s)            2.16    Avg. Vel. (ft/s)           2.11       2.80       2.01
  Max Chl Dpth (ft)         152.73    Hydr. Depth (ft)           92.98     143.07      87.23
  Conv. Total (cfs)       90497410.0    Conv. (cfs)            49587310.0   13491040.0   27419060.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        2668.74     358.27    1659.12
  Min Ch El (ft)            607.88    Shear (lb/sq ft)           0.63       0.96       0.58
  Alpha                       1.04    Stream Power (lb/ft s)     1.32       2.67       1.17
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    163334.60   26452.06   98868.79
  C & E Loss (ft)             0.00    Cum SA (acres)           1437.89     160.77     923.39


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22665.0*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.28  110.29  726.77  220.59  716.88  305.43  709.67  441.18  698.99
  559.95  689.64  588.24  689.53  814.48   689.1 1029.41  677.19 1170.81  669.53
    1250  666.06 1832.58  640.59 2058.82  637.82 2242.65   635.2 2352.94  633.44
 2647.06  629.53 2747.06  623.18 2797.06  619.65 2847.06  607.86 2947.06  607.86
 2999.41     630 3048.77  636.06 3135.15  634.16  3246.2  631.33 3270.88  631.41
 3406.62  633.53 3443.64  633.53 3542.35  644.01 3610.22  650.98 3641.07  654.26
 3745.96  660.33 4035.94  677.42 4221.03  706.19 4356.76     728  4430.8  739.61
 4628.24  740.09

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2647.06     .15 2999.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2647.06 2999.41             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.68    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.61    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       246178.70   50419.73   141822.80
  E.G. Slope (ft/ft)      0.000109    Area (sq ft)            246178.70   50419.73   141822.80
  Q Total (cfs)           944490.80    Flow (cfs)             518764.60   140940.40   284785.80
```

```
  Top Width (ft)           4628.24    Top Width (ft)           2647.06     352.35    1628.83
  Vel Total (ft/s)            2.15    Avg. Vel. (ft/s)            2.11       2.80       2.01
  Max Chl Dpth (ft)         152.75    Hydr. Depth (ft)           93.00     143.10      87.07
  Conv. Total (cfs)       90513140.0    Conv. (cfs)            49714630.0   13506700.0   27291800.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2674.58     358.54    1656.43
  Min Ch El (ft)            607.86    Shear (lb/sq ft)            0.63       0.96       0.58
  Alpha                       1.04    Stream Power (lb/ft s)      1.32       2.67       1.17
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    163278.30   26440.51   98836.24
  C & E Loss (ft)             0.00    Cum SA (acres)           1437.28     160.69     923.01


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22655.1*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.32  110.54  726.79  221.08  716.84  306.11  709.63  442.16  698.95
   561.2  689.59  589.54  689.47  816.29  688.98  1031.7  677.09 1173.42  669.47
 1252.78  666.02 1836.65  640.66  2063.4   637.9 2247.63  635.23 2358.17  633.42
 2652.94  629.47 2752.94  623.16 2802.94   619.6 2852.94  607.84 2952.94  607.84
 3005.59     630 3054.87  636.07  3141.1  634.26 3251.98  631.49 3276.62  631.59
 3412.13  633.97 3449.09  633.97 3547.65  644.39  3615.4  651.29  3646.2  654.54
 3750.92  660.58 4040.43  677.59 4225.22  706.21 4360.74     728 4434.65  739.57
 4631.76  740.11

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2652.94     .15 3005.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2652.94 3005.59             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.68    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.61    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       246770.80   50471.93   141331.30
  E.G. Slope (ft/ft)      0.000109    Area (sq ft)            246770.80   50471.93   141331.30
  Q Total (cfs)           944490.80    Flow (cfs)             520000.00   141086.50   283404.30
  Top Width (ft)           4631.76    Top Width (ft)           2652.94     352.65    1626.17
  Vel Total (ft/s)            2.15    Avg. Vel. (ft/s)            2.11       2.80       2.01
  Max Chl Dpth (ft)         152.77    Hydr. Depth (ft)           93.02     143.12      86.91
  Conv. Total (cfs)       90528840.0    Conv. (cfs)            49841660.0   13523050.0   27164120.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2680.41     358.81    1653.70
  Min Ch El (ft)            607.84    Shear (lb/sq ft)            0.63       0.96       0.58
  Alpha                       1.04    Stream Power (lb/ft s)      1.32       2.67       1.16
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    163221.80   26428.96   98803.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1436.67     160.61     922.64


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22645.1*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.35  110.78  726.81  221.57   716.8  306.79  709.59  443.14   698.9
  562.44  689.55  590.85  689.41   818.1  688.87 1033.99     677 1176.02  669.42
 1255.56  665.97 1840.72  640.74 2067.97  637.97 2252.61  635.26  2363.4   633.4
 2658.82  629.41 2758.82  623.14 2808.82  619.56 2858.82  607.82 2958.82  607.82
 3011.76     630 3060.96  636.07 3147.06  634.35 3257.75  631.66 3282.35  631.76
 3417.65  634.41 3454.55  634.41 3552.94  644.76 3620.59  651.59 3651.34  654.82
 3755.88  660.82 4044.92  677.77 4229.41  706.24 4364.71     728  4438.5  739.52
 4635.29  740.12

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2658.82     .15 3011.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2658.82 3011.76             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.68    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.61    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       247360.80   50522.16   140845.40
  E.G. Slope (ft/ft)      0.000109    Area (sq ft)            247360.80   50522.16   140845.40
  Q Total (cfs)           944490.80    Flow (cfs)             521225.50   141225.30   282040.00
  Top Width (ft)           4635.29    Top Width (ft)           2658.82     352.94    1623.53
  Vel Total (ft/s)            2.15    Avg. Vel. (ft/s)            2.11       2.80       2.00
  Max Chl Dpth (ft)         152.79    Hydr. Depth (ft)           93.03     143.15      86.75
  Conv. Total (cfs)       90544590.0    Conv. (cfs)            49967820.0   13538710.0   27038050.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2686.25     359.08    1651.01
  Min Ch El (ft)            607.82    Shear (lb/sq ft)            0.63       0.96       0.58
  Alpha                       1.04    Stream Power (lb/ft s)      1.32       2.67       1.16
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    163165.20   26417.38   98771.48
  C & E Loss (ft)             0.00    Cum SA (acres)           1436.07     160.53     922.27


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22635.1*

INPUT
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Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.39  111.03  726.83  222.06  716.75  307.47  709.55  444.12  698.86
  563.69   689.5  592.16  689.35  819.91  688.76 1036.27  676.91 1178.62  669.36
 1258.33  665.93  1844.8  640.81 2072.55  638.05  2257.6  635.29 2368.63  633.38
 2664.71  629.35 2764.71  623.12 2814.71  619.51 2864.71  607.81 2964.71  607.81
 3017.94     630 3067.06  636.08 3153.01  634.45 3263.53  631.82 3288.09  631.94
 3423.16  634.85    3460  634.85 3558.24  645.14 3625.77  651.89 3656.47  655.11
 3760.85  661.07 4049.41  677.95  4233.6  706.26 4368.68     728 4442.35  739.47
 4638.82  740.13

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2664.71     .15 3017.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2664.71 3017.94             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.68    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.61    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       247951.70   50571.41   140355.50
  E.G. Slope (ft/ft)      0.000109    Area (sq ft)            247951.70   50571.41   140355.50
  Q Total (cfs)           944490.80    Flow (cfs)             522459.90   141363.10   280667.80
  Top Width (ft)           4638.82    Top Width (ft)           2664.71     353.23    1620.88
  Vel Total (ft/s)            2.15    Avg. Vel. (ft/s)            2.11       2.80       2.00
  Max Chl Dpth (ft)         152.80    Hydr. Depth (ft)           93.05     143.17      86.59
  Conv. Total (cfs)       90559320.0    Conv. (cfs)            50094310.0   13554130.0   26910880.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2692.10     359.34    1648.31
  Min Ch El (ft)            607.81    Shear (lb/sq ft)            0.63       0.96       0.58
  Alpha                       1.04    Stream Power (lb/ft s)      1.32       2.67       1.16
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    163108.50   26405.80   98739.27
  C & E Loss (ft)             0.00    Cum SA (acres)           1435.46     160.45     921.90


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22625.1*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.42  111.27  726.85  222.55  716.71  308.14  709.51   445.1  698.82
  564.93  689.46  593.46  689.29  821.72  688.64 1038.56  676.81 1181.22   669.3
 1261.11  665.89 1848.87  640.88 2077.12  638.12 2262.58  635.32 2373.86  633.36
 2670.59  629.29 2770.59   623.1 2820.59  619.47 2870.59  607.79 2970.59  607.79
 3024.12     630 3073.16  636.09 3158.97  634.55  3269.3  631.99 3293.82  632.12
 3428.68  635.29 3465.45  635.29 3563.53  645.52 3630.96  652.19  3661.6  655.39
 3765.81  661.31  4053.9  678.12 4237.79  706.28 4372.65     728  4446.2  739.42
 4642.35  740.14

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2670.59     .15 3024.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2670.59 3024.12             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.68    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.61    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       248546.60   50623.10   139870.60
  E.G. Slope (ft/ft)      0.000109    Area (sq ft)            248546.60   50623.10   139870.60
  Q Total (cfs)           944490.80    Flow (cfs)             523686.80   141501.90   279302.10
  Top Width (ft)           4642.35    Top Width (ft)           2670.59     353.53    1618.23
  Vel Total (ft/s)            2.15    Avg. Vel. (ft/s)            2.11       2.80       2.00
  Max Chl Dpth (ft)         152.82    Hydr. Depth (ft)           93.07     143.19      86.43
  Conv. Total (cfs)       90577760.0    Conv. (cfs)            50222160.0   13570200.0   26785400.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2697.94     359.62    1645.60
  Min Ch El (ft)            607.79    Shear (lb/sq ft)            0.63       0.96       0.58
  Alpha                       1.04    Stream Power (lb/ft s)      1.32       2.67       1.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    163051.60   26394.21   98707.16
  C & E Loss (ft)             0.00    Cum SA (acres)           1434.85     160.37     921.52


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22615.1*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.46  111.52  726.87  223.04  716.67  308.82  709.47  446.08  698.77
  566.18  689.41  594.77  689.24  823.53  688.53 1040.85  676.72 1183.82  669.24
 1263.89  665.84 1852.94  640.96  2081.7   638.2 2267.57  635.35 2379.08  633.33
 2676.47  629.24 2776.47  623.08 2826.47  619.43 2876.47  607.77 2976.47  607.77
 3030.29     630 3079.25   636.1 3164.93  634.65 3275.08  632.16 3299.56  632.29
 3434.19  635.74 3470.91  635.74 3568.82  645.89 3636.14   652.5 3666.74  655.67
 3770.77  661.56  4058.4   678.3 4241.99  706.31 4376.62     728 4450.05  739.37
 4645.88  740.15

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2676.47     .15 3030.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2676.47 3030.29             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
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```
  E.G. Elev (ft)            760.68    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.60    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       249135.40   50672.86   139382.10
  E.G. Slope (ft/ft)      0.000109    Area (sq ft)            249135.40   50672.86   139382.10
  Q Total (cfs)           944490.80    Flow (cfs)             524914.50   141639.80   277936.40
  Top Width (ft)           4645.88    Top Width (ft)          2676.47     353.82    1615.59
  Vel Total (ft/s)            2.15    Avg. Vel. (ft/s)           2.11       2.80       1.99
  Max Chl Dpth (ft)         152.83    Hydr. Depth (ft)          93.08     143.22      86.27
  Conv. Total (cfs)       90592410.0    Conv. (cfs)           50348050.0   13585620.0   26658740.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        2703.77     359.89    1642.91
  Min Ch El (ft)            607.77    Shear (lb/sq ft)           0.63       0.96       0.58
  Alpha                       1.04    Stream Power (lb/ft s)     1.32       2.67       1.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    162994.60   26382.61   98675.17
  C & E Loss (ft)             0.00    Cum SA (acres)          1434.23     160.29     921.15


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22605.1*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.49  111.76  726.89  223.53  716.63   309.5  709.43  447.06  698.73
  567.42  689.37  596.08  689.18  825.34  688.42 1043.14  676.62 1186.43  669.18
 1266.67   665.8 1857.01  641.03 2086.27  638.27 2272.55  635.38 2384.31  633.31
 2682.35  629.18 2782.35  623.06 2832.35  619.38 2882.35  607.75 2982.35  607.75
 3036.47     630 3085.35   636.1 3170.88  634.74 3280.86  632.32 3305.29  632.47
 3439.71  636.18 3476.36  636.18 3574.12  646.27 3641.32   652.8 3671.87  655.95
 3775.74   661.8 4062.89  678.48 4246.18  706.33 4380.59     728  4453.9  739.33
 4649.41  740.16

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2682.35     .15 3036.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2682.35 3036.47             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.68    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.60    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       249728.40   50725.03   138897.70
  E.G. Slope (ft/ft)      0.000109    Area (sq ft)            249728.40   50725.03   138897.70
  Q Total (cfs)           944490.80    Flow (cfs)             526133.90   141781.20   276575.70
  Top Width (ft)           4649.41    Top Width (ft)          2682.35     354.12    1612.94
  Vel Total (ft/s)            2.15    Avg. Vel. (ft/s)           2.11       2.80       1.99
  Max Chl Dpth (ft)         152.85    Hydr. Depth (ft)          93.10     143.24      86.11
  Conv. Total (cfs)       90610790.0    Conv. (cfs)           50475250.0   13601940.0   26533600.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        2709.62     360.17    1640.21
  Min Ch El (ft)            607.75    Shear (lb/sq ft)           0.63       0.96       0.57
  Alpha                       1.04    Stream Power (lb/ft s)     1.32       2.67       1.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    162937.40   26370.99   98643.30
  C & E Loss (ft)             0.00    Cum SA (acres)          1433.62     160.20     920.78


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22595.1*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.53  112.01  726.91  224.02  716.58  310.18  709.39  448.04  698.69
  568.67  689.32  597.39  689.12  827.15   688.3 1045.42  676.53 1189.03  669.12
 1269.44  665.76 1861.09   641.1 2090.85  638.35 2277.53  635.41 2389.54  633.29
 2688.24  629.12 2788.24  623.04 2838.24  619.34 2888.24  607.74 2988.24  607.74
 3042.65     630 3091.44  636.11 3176.84  634.84 3286.63  632.49 3311.03  632.65
 3445.22  636.62 3481.82  636.62 3579.41  646.65 3646.51   653.1 3677.01  656.24
  3780.7  662.05 4067.38  678.66 4250.37  706.35 4384.56     728 4457.75  739.28
 4652.94  740.18

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2688.24     .15 3042.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2688.24 3042.65             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.68    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.60    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       250322.40   50773.79   138409.50
  E.G. Slope (ft/ft)      0.000109    Area (sq ft)            250322.40   50773.79   138409.50
  Q Total (cfs)           944490.80    Flow (cfs)             527367.30   141913.20   275210.50
  Top Width (ft)           4652.94    Top Width (ft)          2688.24     354.41    1610.29
  Vel Total (ft/s)            2.15    Avg. Vel. (ft/s)           2.11       2.80       1.99
  Max Chl Dpth (ft)         152.86    Hydr. Depth (ft)          93.12     143.26      85.95
  Conv. Total (cfs)       90627280.0    Conv. (cfs)           50602780.0   13617080.0   26407430.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        2715.46     360.44    1637.50
  Min Ch El (ft)            607.74    Shear (lb/sq ft)           0.63       0.96       0.57
  Alpha                       1.04    Stream Power (lb/ft s)     1.32       2.67       1.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    162880.10   26359.37   98611.53
  C & E Loss (ft)             0.00    Cum SA (acres)          1433.00     160.12     920.42


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22585.1*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.56  112.25  726.93  224.51  716.54  310.86  709.35  449.02  698.64
  569.91  689.28  598.69  689.06  828.96  688.19 1047.71  676.44 1191.63  669.07
 1272.22  665.71 1865.16  641.18 2095.42  638.42 2282.52  635.44 2394.77  633.27
 2694.12  629.06 2794.12  623.02 2844.12  619.29 2894.12  607.72 2994.12  607.72
 3048.82     630 3097.54  636.12 3182.79  634.94 3292.41  632.65 3316.76  632.82
 3450.74  637.06 3487.27  637.06 3584.71  647.02 3651.69   653.4 3682.14  656.52
 3785.66  662.29 4071.87  678.83 4254.56  706.38 4388.53     728  4461.6  739.23
 4656.47  740.19

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2694.12     .15 3048.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2694.12 3048.82             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.68    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.60    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       250913.30   50824.58   137930.00
  E.G. Slope (ft/ft)      0.000109    Area (sq ft)            250913.30   50824.58   137930.00
  Q Total (cfs)           944490.80    Flow (cfs)              528575.40   142049.50   273865.90
  Top Width (ft)           4656.47    Top Width (ft)           2694.12     354.70    1607.65
  Vel Total (ft/s)            2.15    Avg. Vel. (ft/s)            2.11       2.79       1.99
  Max Chl Dpth (ft)         152.88    Hydr. Depth (ft)           93.13     143.29      85.80
  Conv. Total (cfs)       90646210.0    Conv. (cfs)             50729300.0   13633000.0   26283910.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2721.30     360.71    1634.81
  Min Ch El (ft)            607.72    Shear (lb/sq ft)            0.62       0.96       0.57
  Alpha                       1.04    Stream Power (lb/ft s)      1.32       2.67       1.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    162822.70   26347.73   98579.88
  C & E Loss (ft)             0.00    Cum SA (acres)           1432.39     160.04     920.05


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22575.2*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   736.6   112.5  726.95     225   716.5  311.54  709.31     450   698.6
  571.15  689.23     600     689  830.77  688.08    1050  676.34 1194.23  669.01
    1275  665.67 1869.23  641.25    2100   638.5  2287.5  635.47    2400  633.25
    2700     629    2800     623    2850  619.25    2900   607.7    3000   607.7
    3055     630 3103.64  636.13 3188.75  635.04 3298.18  632.82  3322.5     633
 3456.25   637.5 3492.73   637.5    3590   647.4 3656.88  653.71 3687.27   656.8
 3790.62  662.54 4076.36  679.01 4258.75   706.4  4392.5     728 4465.45  739.18
    4660   740.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2700     .15    3055     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2700    3055             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.67    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.60    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       251504.90   50876.28   137444.60
  E.G. Slope (ft/ft)      0.000109    Area (sq ft)            251504.90   50876.28   137444.60
  Q Total (cfs)           944490.80    Flow (cfs)              529793.50   142189.00   272508.40
  Top Width (ft)           4660.00    Top Width (ft)           2700.00     355.00    1605.00
  Vel Total (ft/s)            2.15    Avg. Vel. (ft/s)            2.11       2.79       1.98
  Max Chl Dpth (ft)         152.90    Hydr. Depth (ft)           93.15     143.31      85.64
  Conv. Total (cfs)       90663920.0    Conv. (cfs)             50856140.0   13649060.0   26158730.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2727.14     360.99    1632.11
  Min Ch El (ft)            607.70    Shear (lb/sq ft)            0.62       0.95       0.57
  Alpha                       1.04    Stream Power (lb/ft s)      1.32       2.67       1.13
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    162765.20   26336.08   98548.33
  C & E Loss (ft)             0.00    Cum SA (acres)           1431.77     159.96     919.68


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22565.2*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.64  112.75  726.97  225.49  716.46  312.22  709.27  450.98  698.56
   572.4  689.19  601.31  688.94  832.58  687.96 1052.29  676.25 1196.83  668.95
 1277.78  665.63  1873.3  641.33 2104.58  638.58 2292.48   635.5 2405.23  633.23
 2705.88  628.94 2805.88  622.98 2855.88  619.21 2905.88  607.68 3005.88  607.68
 3061.18     630 3109.73  636.13 3194.71  635.14 3303.96  632.98 3328.24  633.18
 3461.76  637.94 3498.18  637.94 3595.29  647.78 3662.06  654.01 3692.41  657.08
 3795.59  662.78 4080.86  679.19 4262.94  706.42 4396.47     728  4469.3  739.13
 4663.53  740.21

Manning's n Values        num=       3
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     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2705.88     .15 3061.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2705.88 3061.18             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.67    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.60    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       252092.20   50928.00   136964.10
  E.G. Slope (ft/ft)      0.000108    Area (sq ft)            252092.20   50928.00   136964.10
  Q Total (cfs)           944490.80    Flow (cfs)             530994.90   142328.20   271167.80
  Top Width (ft)           4663.53    Top Width (ft)           2705.88     355.30    1602.35
  Vel Total (ft/s)            2.15    Avg. Vel. (ft/s)            2.11       2.79       1.98
  Max Chl Dpth (ft)         152.92    Hydr. Depth (ft)           93.16     143.34      85.48
  Conv. Total (cfs)       90681820.0    Conv. (cfs)            50981520.0   13665120.0   26035180.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2732.97     361.27    1629.41
  Min Ch El (ft)            607.68    Shear (lb/sq ft)            0.62       0.95       0.57
  Alpha                       1.04    Stream Power (lb/ft s)      1.32       2.67       1.13
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    162707.50   26324.42   98516.89
  C & E Loss (ft)             0.00    Cum SA (acres)           1431.15     159.88     919.31


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22555.2*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.67  112.99  726.99  225.98  716.42   312.9  709.23  451.96  698.51
  573.64  689.14  602.61  688.88  834.39  687.85 1054.58  676.16 1199.43  668.89
 1280.56  665.58 1877.38   641.4 2109.15  638.65 2297.47  635.53 2410.46  633.21
 2711.76  628.88 2811.76  622.96 2861.76  619.16 2911.76  607.66 3011.76  607.66
 3067.35     630 3115.83  636.14 3200.66  635.23 3309.73  633.15 3333.97  633.35
 3467.28  638.38 3503.64  638.38 3600.59  648.15 3667.24  654.31 3697.54  657.36
 3800.55  663.03 4085.35  679.36 4267.13  706.45 4400.44     728 4473.16  739.09
 4667.06  740.22

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2711.76     .15 3067.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2711.76 3067.35             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.67    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.60    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       252689.60   50978.81   136484.20
  E.G. Slope (ft/ft)      0.000108    Area (sq ft)            252689.60   50978.81   136484.20
  Q Total (cfs)           944490.80    Flow (cfs)             532210.60   142460.60   269819.60
  Top Width (ft)           4667.06    Top Width (ft)           2711.76     355.59    1599.71
  Vel Total (ft/s)            2.15    Avg. Vel. (ft/s)            2.11       2.79       1.98
  Max Chl Dpth (ft)         152.94    Hydr. Depth (ft)           93.18     143.36      85.32
  Conv. Total (cfs)       90703080.0    Conv. (cfs)            51110230.0   13681040.0   25911810.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2738.82     361.54    1626.73
  Min Ch El (ft)            607.66    Shear (lb/sq ft)            0.62       0.95       0.57
  Alpha                       1.04    Stream Power (lb/ft s)      1.32       2.67       1.12
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    162649.70   26312.74   98485.56
  C & E Loss (ft)             0.00    Cum SA (acres)           1430.53     159.80     918.94


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22545.2*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.71  113.24  727.01  226.47  716.37  313.57  709.19  452.94  698.47
  574.89   689.1  603.92  688.82   836.2  687.74 1056.86  676.06 1202.04  668.83
 1283.33  665.54 1881.45  641.47 2113.73  638.73 2302.45  635.56 2415.69  633.19
 2717.65  628.82 2817.65  622.94 2867.65  619.12 2917.65  607.65 3017.65  607.65
 3073.53     630 3121.93  636.15 3206.62  635.33 3315.51  633.32 3339.71  633.53
 3472.79  638.82 3509.09  638.82 3605.88  648.53 3672.43  654.61 3702.67  657.65
 3805.51  663.27 4089.84  679.54 4271.32  706.47 4404.41     728 4477.01  739.04
 4670.59  740.24

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2717.65     .15 3073.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2717.65 3073.53             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.67    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.60    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       253283.60   51027.58   136002.10
  E.G. Slope (ft/ft)      0.000108    Area (sq ft)            253283.60   51027.58   136002.10
  Q Total (cfs)           944490.80    Flow (cfs)             533427.50   142588.40   268474.90
  Top Width (ft)           4670.59    Top Width (ft)           2717.65     355.88    1597.06
  Vel Total (ft/s)            2.15    Avg. Vel. (ft/s)            2.11       2.79       1.97
  Max Chl Dpth (ft)         152.95    Hydr. Depth (ft)           93.20     143.38      85.16
  Conv. Total (cfs)       90721950.0    Conv. (cfs)            51237750.0   13696160.0   25788040.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2744.66     361.80    1624.02
  Min Ch El (ft)            607.65    Shear (lb/sq ft)            0.62       0.95       0.57
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  Alpha                        1.04    Stream Power (lb/ft s)      1.32       2.67       1.12
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    162591.70   26301.06   98454.35
  C & E Loss (ft)              0.00    Cum SA (acres)           1429.91     159.72     918.58


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22535.2*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.74  113.48  727.03  226.96  716.33  314.25  709.14  453.92  698.43
  576.13  689.05  605.23  688.76  838.01  687.62 1059.15  675.97 1204.64  668.77
 1286.11  665.49 1885.52  641.55  2118.3   638.8 2307.43  635.59 2420.92  633.17
 2723.53  628.76 2823.53  622.92 2873.53  619.07 2923.53  607.63 3023.53  607.63
 3079.71     630 3128.02  636.16 3212.57  635.43 3321.28  633.48 3345.44  633.71
 3478.31  639.26 3514.55  639.26 3611.18  648.91 3677.61  654.92 3707.81  657.93
 3810.48  663.52 4094.33  679.72 4275.51  706.49 4408.38     728 4480.86  738.99
 4674.12  740.25

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2723.53     .15 3079.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2723.53 3079.71             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.67    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.60    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       253879.60   51079.78   135521.00
  E.G. Slope (ft/ft)      0.000108    Area (sq ft)            253879.60   51079.78   135521.00
  Q Total (cfs)           944490.80    Flow (cfs)              534638.30   142725.10   267127.50
  Top Width (ft)           4674.12    Top Width (ft)           2723.53     356.18    1594.41
  Vel Total (ft/s)            2.14    Avg. Vel. (ft/s)            2.11       2.79       1.97
  Max Chl Dpth (ft)         152.97    Hydr. Depth (ft)           93.22     143.41      85.00
  Conv. Total (cfs)       90742980.0    Conv. (cfs)             51365960.0   13712470.0   25664560.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2750.50     362.08    1621.33
  Min Ch El (ft)            607.63    Shear (lb/sq ft)            0.62       0.95       0.57
  Alpha                       1.04    Stream Power (lb/ft s)      1.31       2.67       1.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    162533.60   26289.36   98423.25
  C & E Loss (ft)             0.00    Cum SA (acres)           1429.28     159.63     918.21


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22525.2*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.78  113.73  727.05  227.45  716.29  314.93   709.1   454.9  698.38
  577.38     689  606.54  688.71  839.82  687.51 1061.44  675.87 1207.24  668.72
 1288.89  665.45 1889.59  641.62 2122.88  638.88 2312.42  635.62 2426.14  633.14
 2729.41  628.71 2829.41   622.9 2879.41  619.03 2929.41  607.61 3029.41  607.61
 3085.88     630 3134.12  636.16 3218.53  635.53 3327.06  633.65 3351.18  633.88
 3483.82  639.71    3520  639.71 3616.47  649.28 3682.79  655.22 3712.94  658.21
 3815.44  663.76 4098.82   679.9 4279.71  706.52 4412.35     728 4484.71  738.94
 4677.65  740.26

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2729.41     .15 3085.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2729.41 3085.88             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.67    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.59    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       254471.50   51129.59   135042.80
  E.G. Slope (ft/ft)      0.000108    Area (sq ft)            254471.50   51129.59   135042.80
  Q Total (cfs)           944490.80    Flow (cfs)              535842.40   142854.30   265794.10
  Top Width (ft)           4677.65    Top Width (ft)           2729.41     356.47    1591.77
  Vel Total (ft/s)            2.14    Avg. Vel. (ft/s)            2.11       2.79       1.97
  Max Chl Dpth (ft)         152.98    Hydr. Depth (ft)           93.23     143.43      84.84
  Conv. Total (cfs)       90762830.0    Conv. (cfs)             51492900.0   13727880.0   25542040.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2756.34     362.35    1618.64
  Min Ch El (ft)            607.61    Shear (lb/sq ft)            0.62       0.95       0.56
  Alpha                       1.04    Stream Power (lb/ft s)      1.31       2.67       1.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    162475.40   26277.65   98392.26
  C & E Loss (ft)             0.00    Cum SA (acres)           1428.66     159.55     917.85


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22515.2*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.81  113.97  727.07  227.94  716.25  315.61  709.06  455.88  698.34
  578.62  688.96  607.84  688.65  841.63   687.4 1063.73  675.78 1209.84  668.66
 1291.67  665.41 1893.67  641.69 2127.45  638.95  2317.4  635.65 2431.37  633.12
```

```
 2735.29  628.65 2835.29  622.88 2885.29  618.99 2935.29  607.59 3035.29  607.59
 3092.06     630 3140.21  636.17 3224.49  635.62 3332.83  633.81 3356.91  634.06
 3489.34  640.15 3525.45  640.15 3621.76  649.66 3687.98  655.52 3718.07  658.49
  3820.4  664.01 4103.32  680.07  4283.9  706.54 4416.32     728 4488.56  738.89
 4681.18  740.27

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2735.29     .15 3092.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2735.29 3092.06             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.67    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.59    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       255064.30   51181.33   134567.10
  E.G. Slope (ft/ft)      0.000108    Area (sq ft)            255064.30   51181.33   134567.10
  Q Total (cfs)           944490.80    Flow (cfs)             537037.80   142987.30   264465.80
  Top Width (ft)           4681.18    Top Width (ft)           2735.29     356.77     1589.12
  Vel Total (ft/s)            2.14    Avg. Vel. (ft/s)            2.11       2.79       1.97
  Max Chl Dpth (ft)         153.00    Hydr. Depth (ft)           93.25     143.46      84.68
  Conv. Total (cfs)       90784450.0    Conv. (cfs)            51620070.0   13743940.0   25420450.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2762.18     362.63     1615.95
  Min Ch El (ft)            607.59    Shear (lb/sq ft)            0.62       0.95       0.56
  Alpha                       1.04    Stream Power (lb/ft s)      1.31       2.66       1.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    162417.00   26265.93   98361.38
  C & E Loss (ft)             0.00    Cum SA (acres)           1428.03     159.47     917.48


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22505.2*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.85  114.22  727.09  228.43   716.2  316.29  709.02  456.86   698.3
  579.86  688.91  609.15  688.59  843.44  687.29 1066.01  675.69 1212.44   668.6
 1294.44  665.36 1897.74  641.77 2132.03  639.03 2322.39  635.68  2436.6   633.1
 2741.18  628.59 2841.18  622.86 2891.18  618.94 2941.18  607.58 3041.18  607.58
 3098.24     630 3146.31  636.18 3230.44  635.72 3338.61  633.98 3362.65  634.24
 3494.85  640.59 3530.91  640.59 3627.06  650.04 3693.16  655.82 3723.21  658.78
 3825.37  664.25 4107.81  680.25 4288.09  706.56 4420.29     728 4492.41  738.84
 4684.71  740.28

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2741.18     .15 3098.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2741.18 3098.24             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.67    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.59    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       255657.20   51230.63   134089.60
  E.G. Slope (ft/ft)      0.000108    Area (sq ft)            255657.20   51230.63   134089.60
  Q Total (cfs)           944490.80    Flow (cfs)             538239.30   143115.00   263136.60
  Top Width (ft)           4684.71    Top Width (ft)           2741.18     357.06     1586.47
  Vel Total (ft/s)            2.14    Avg. Vel. (ft/s)            2.11       2.79       1.96
  Max Chl Dpth (ft)         153.01    Hydr. Depth (ft)           93.27     143.48      84.52
  Conv. Total (cfs)       90804900.0    Conv. (cfs)            51747210.0   13759310.0   25298380.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2768.03     362.90     1613.26
  Min Ch El (ft)            607.58    Shear (lb/sq ft)            0.62       0.95       0.56
  Alpha                       1.04    Stream Power (lb/ft s)      1.31       2.66       1.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    162358.50   26254.20   98330.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1427.41     159.39     917.12


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22495.2*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.88  114.46  727.11  228.92  716.16  316.97  708.98  457.84  698.25
  581.11  688.87  610.46  688.53  845.25  687.17  1068.3  675.59 1215.05  668.54
 1297.22  665.32 1901.81  641.84  2136.6   639.1 2327.37  635.71 2441.83  633.08
 2747.06  628.53 2847.06  622.84 2897.06   618.9 2947.06  607.56 3047.06  607.56
 3104.41     630 3152.41  636.19  3236.4  635.82 3344.39  634.14 3368.38  634.41
 3500.37  641.03 3536.36  641.03 3632.35  650.41 3698.35  656.13 3728.34  659.06
 3830.33   664.5  4112.3  680.43 4292.28  706.59 4424.26     728 4496.26   738.8
 4688.24  740.29

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2747.06     .15 3104.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2747.06 3104.41             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.67    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.59    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       256255.90   51280.92   133611.60
  E.G. Slope (ft/ft)      0.000108    Area (sq ft)            256255.90   51280.92   133611.60
```

```
  Q Total (cfs)           944490.80    Flow (cfs)              539448.60   143242.10   261800.10
  Top Width (ft)           4688.24    Top Width (ft)           2747.06     357.35    1583.83
  Vel Total (ft/s)            2.14    Avg. Vel. (ft/s)            2.11       2.79       1.96
  Max Chl Dpth (ft)         153.03    Hydr. Depth (ft)           93.28     143.50      84.36
  Conv. Total (cfs)       90827440.0    Conv. (cfs)             51876350.0   13774950.0   25176140.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2773.87     363.17    1610.58
  Min Ch El (ft)            607.56    Shear (lb/sq ft)            0.62       0.95       0.56
  Alpha                       1.04    Stream Power (lb/ft s)      1.31       2.66       1.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    162299.80   26242.45   98299.94
  C & E Loss (ft)             0.00    Cum SA (acres)           1426.78     159.31     916.76


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22485.3*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.92  114.71  727.13  229.41  716.12  317.65  708.94  458.82  698.21
  582.35  688.82  611.76  688.47  847.06  687.06 1070.59   675.5 1217.65  668.48
    1300  665.28 1905.88  641.91 2141.18  639.18 2332.35  635.74 2447.06  633.06
 2752.94  628.47 2852.94  622.82 2902.94  618.85 2952.94  607.54 3052.94  607.54
 3110.59     630  3158.5  636.19 3242.35  635.92 3350.16  634.31 3374.12  634.59
 3505.88  641.47 3541.82  641.47 3637.65  650.79 3703.53  656.43 3733.48  659.34
 3835.29  664.74 4116.79   680.6 4296.47  706.61 4428.24     728 4500.11  738.75
 4691.76  740.31

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2752.94     .15 3110.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2752.94 3110.59             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.66    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.59    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       256847.40   51333.22   133138.20
  E.G. Slope (ft/ft)      0.000108    Area (sq ft)            256847.40   51333.22   133138.20
  Q Total (cfs)           944490.80    Flow (cfs)              540631.70   143375.90   260483.20
  Top Width (ft)           4691.76    Top Width (ft)           2752.94     357.65    1581.17
  Vel Total (ft/s)            2.14    Avg. Vel. (ft/s)            2.10       2.79       1.96
  Max Chl Dpth (ft)         153.05    Hydr. Depth (ft)           93.30     143.53      84.20
  Conv. Total (cfs)       90850220.0    Conv. (cfs)             52003160.0   13791270.0   25055790.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2779.71     363.45    1607.87
  Min Ch El (ft)            607.54    Shear (lb/sq ft)            0.62       0.95       0.56
  Alpha                       1.04    Stream Power (lb/ft s)      1.31       2.66       1.09
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    162241.10   26230.70   98269.38
  C & E Loss (ft)             0.00    Cum SA (acres)           1426.15     159.23     916.39


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22475.3*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.95  114.95  727.15   229.9  716.08  318.33   708.9   459.8  698.17
   583.6  688.78  613.07  688.41  848.87  686.95 1072.88  675.41 1220.25  668.42
 1302.78  665.23 1909.95  641.99 2145.75  639.25 2337.34  635.76 2452.29  633.04
 2758.82  628.41 2858.82   622.8 2908.82  618.81 2958.82  607.52 3058.82  607.52
 3116.76     630  3164.6   636.2 3248.31  636.02 3355.94  634.48 3379.85  634.76
  3511.4  641.91 3547.27  641.91 3642.94  651.16 3708.71  656.73 3738.61  659.62
 3840.26  664.99 4121.28  680.78 4300.66  706.64 4432.21     728 4503.96   738.7
 4695.29  740.32

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2758.82     .15 3116.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2758.82 3116.76             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.66    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.59    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       257441.80   51383.52   132663.10
  E.G. Slope (ft/ft)      0.000108    Area (sq ft)            257441.80   51383.52   132663.10
  Q Total (cfs)           944490.80    Flow (cfs)              541826.90   143503.40   259160.50
  Top Width (ft)           4695.29    Top Width (ft)           2758.82     357.94    1578.53
  Vel Total (ft/s)            2.14    Avg. Vel. (ft/s)            2.10       2.79       1.95
  Max Chl Dpth (ft)         153.07    Hydr. Depth (ft)           93.32     143.55      84.04
  Conv. Total (cfs)       90872420.0    Conv. (cfs)             52130870.0   13806910.0   24934650.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2785.55     363.72    1605.19
  Min Ch El (ft)            607.52    Shear (lb/sq ft)            0.62       0.95       0.56
  Alpha                       1.04    Stream Power (lb/ft s)      1.31       2.66       1.09
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    162182.10   26218.93   98238.94
  C & E Loss (ft)             0.00    Cum SA (acres)           1425.52     159.14     916.03


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22465.3*
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```
INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.99   115.2  727.17  230.39  716.03     319  708.86  460.78  698.13
  584.84  688.73  614.38  688.35  850.68  686.83 1075.16  675.31 1222.85  668.37
 1305.56  665.19 1914.03  642.06 2150.33  639.33 2342.32  635.79 2457.52  633.02
 2764.71  628.35 2864.71  622.78 2914.71  618.76 2964.71  607.51 3064.71  607.51
 3122.94     630  3170.7  636.21 3254.26  636.11 3361.71  634.64 3385.59  634.94
 3516.91  642.35 3552.73  642.35 3648.24  651.54  3713.9  657.03 3743.74  659.91
 3845.22  665.23 4125.78  680.96 4304.85  706.66 4436.18     728 4507.81  738.65
 4698.82  740.33

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2764.71     .15 3122.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2764.71 3122.94             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.66    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.59    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       258039.10   51432.82   132190.70
  E.G. Slope (ft/ft)      0.000108    Area (sq ft)            258039.10   51432.82   132190.70
  Q Total (cfs)           944490.80    Flow (cfs)              543021.10   143625.30   257844.50
  Top Width (ft)           4698.82    Top Width (ft)           2764.71     358.23     1575.88
  Vel Total (ft/s)            2.14    Avg. Vel. (ft/s)            2.10       2.79       1.95
  Max Chl Dpth (ft)         153.08    Hydr. Depth (ft)           93.33     143.57      83.88
  Conv. Total (cfs)       90896300.0    Conv. (cfs)            52259490.0   13822270.0   24814540.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2791.40     363.99     1602.50
  Min Ch El (ft)            607.51    Shear (lb/sq ft)            0.62       0.95       0.56
  Alpha                       1.04    Stream Power (lb/ft s)      1.31       2.66       1.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    162123.10   26207.15   98208.59
  C & E Loss (ft)             0.00    Cum SA (acres)           1424.88     159.06     915.67


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22455.3*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.02  115.44  727.19  230.88  715.99  319.68  708.82  461.76  698.08
  586.09  688.69  615.69  688.29  852.49  686.72 1077.45  675.22 1225.45  668.31
 1308.33  665.15  1918.1  642.14  2154.9   639.4  2347.3  635.82 2462.75     633
 2770.59  628.29 2870.59  622.76 2920.59  618.72 2970.59  607.49 3070.59  607.49
 3129.12     630 3176.79  636.22 3260.22  636.21 3367.49  634.81 3391.32  635.12
 3522.43  642.79 3558.18  642.79 3653.53  651.92 3719.08  657.34 3748.88  660.19
 3850.18  665.48 4130.27  681.14 4309.04  706.68 4440.15     728 4511.66   738.6
 4702.35  740.34

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2770.59     .15 3129.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2770.59 3129.12             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.66    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.59    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       258630.40   51484.60   131715.40
  E.G. Slope (ft/ft)      0.000108    Area (sq ft)            258630.40   51484.60   131715.40
  Q Total (cfs)           944490.80    Flow (cfs)              544206.70   143757.60   256526.60
  Top Width (ft)           4702.35    Top Width (ft)           2770.59     358.53     1573.23
  Vel Total (ft/s)            2.14    Avg. Vel. (ft/s)            2.10       2.79       1.95
  Max Chl Dpth (ft)         153.10    Hydr. Depth (ft)           93.35     143.60      83.72
  Conv. Total (cfs)       90918100.0    Conv. (cfs)            52386150.0   13838320.0   24693630.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2797.24     364.27     1599.82
  Min Ch El (ft)            607.49    Shear (lb/sq ft)            0.62       0.95       0.55
  Alpha                       1.04    Stream Power (lb/ft s)      1.31       2.66       1.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    162063.90   26195.36   98178.36
  C & E Loss (ft)             0.00    Cum SA (acres)           1424.25     158.98     915.31


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22445.3*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.06  115.69  727.21  231.37  715.95  320.36  708.78  462.75  698.04
  587.33  688.64  616.99  688.24   854.3  686.61 1079.74  675.12 1228.05  668.25
 1311.11   665.1 1922.17  642.21 2159.48  639.48 2352.29  635.85 2467.97  632.97
 2776.47  628.24 2876.47  622.75 2926.47  618.68 2976.47  607.47 3076.47  607.47
 3135.29     630 3182.89  636.22 3266.18  636.31 3373.26  634.97 3397.06  635.29
 3527.94  643.24 3563.64  643.24 3658.82  652.29 3724.26  657.64 3754.01  660.47
 3855.15  665.72 4134.76  681.31 4313.24  706.71 4444.12     728 4515.51  738.56
 4705.88  740.35

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2776.47     .15 3135.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2776.47 3135.29             9.98    9.98    9.98             .1       .3
```

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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.66    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.59    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       259227.10   51533.71   131245.80
  E.G. Slope (ft/ft)      0.000108    Area (sq ft)            259227.10   51533.71   131245.80
  Q Total (cfs)           944490.80    Flow (cfs)              545395.30   143875.30   255220.10
  Top Width (ft)           4705.88    Top Width (ft)           2776.47     358.82    1570.59
  Vel Total (ft/s)            2.14    Avg. Vel. (ft/s)            2.10       2.79       1.94
  Max Chl Dpth (ft)         153.12    Hydr. Depth (ft)           93.37     143.62      83.56
  Conv. Total (cfs)       90942600.0    Conv. (cfs)            52514720.0   13853380.0   24574490.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2803.08     364.54    1597.14
  Min Ch El (ft)            607.47    Shear (lb/sq ft)            0.62       0.95       0.55
  Alpha                       1.04    Stream Power (lb/ft s)      1.31       2.66       1.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    162004.60   26183.56   98148.23
  C & E Loss (ft)             0.00    Cum SA (acres)           1423.61     158.90     914.95

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22435.3*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.09  115.93  727.23  231.86  715.91  321.04  708.74  463.73     698
  588.57   688.6   618.3  688.18  856.11  686.49 1082.03  675.03 1230.66  668.19
 1313.89  665.06 1926.24  642.28 2164.05  639.55 2357.27  635.88  2473.2  632.95
 2782.35  628.18 2882.35  622.73 2932.35  618.63 2982.35  607.45 3082.35  607.45
 3141.47     630 3188.98  636.23 3272.13  636.41 3379.04  635.14 3402.79  635.47
 3533.46  643.68 3569.09  643.68 3664.12  652.67 3729.45  657.94 3759.14  660.75
 3860.11  665.97 4139.25  681.49 4317.43  706.73 4448.09     728 4519.36  738.51
 4709.41  740.36

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2782.35     .15 3141.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2782.35 3141.47             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.66    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.59    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       259823.90   51585.95   130772.80
  E.G. Slope (ft/ft)      0.000108    Area (sq ft)            259823.90   51585.95   130772.80
  Q Total (cfs)           944490.80    Flow (cfs)              546580.90   144005.30   253904.60
  Top Width (ft)           4709.41    Top Width (ft)           2782.35     359.12    1567.94
  Vel Total (ft/s)            2.14    Avg. Vel. (ft/s)            2.10       2.79       1.94
  Max Chl Dpth (ft)         153.14    Hydr. Depth (ft)           93.38     143.65      83.40
  Conv. Total (cfs)       90967350.0    Conv. (cfs)            52643200.0   13869670.0   24454470.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2808.92     364.83    1594.45
  Min Ch El (ft)            607.45    Shear (lb/sq ft)            0.62       0.95       0.55
  Alpha                       1.04    Stream Power (lb/ft s)      1.31       2.66       1.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    161945.10   26171.75   98118.22
  C & E Loss (ft)             0.00    Cum SA (acres)           1422.98     158.82     914.59

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22425.3*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.13  116.18  727.25  232.35  715.86  321.72   708.7  464.71  697.95
  589.82  688.55  619.61  688.12  857.92  686.38 1084.31  674.94 1233.26  668.13
 1316.67  665.02 1930.32  642.36 2168.63  639.63 2362.25  635.91 2478.43  632.93
 2788.24  628.12 2888.24  622.71 2938.24  618.59 2988.24  607.44 3088.24  607.44
 3147.65     630 3195.08  636.24 3278.09   636.5 3384.81   635.3 3408.53  635.65
 3538.97  644.12 3574.55  644.12 3669.41  653.05 3734.63  658.24 3764.28  661.04
 3865.07  666.21 4143.74  681.67 4321.62  706.75 4452.06     728 4523.21  738.46
 4712.94  740.38

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2788.24     .15 3147.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2788.24 3147.65             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.66    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       260415.80   51634.77   130302.50
  E.G. Slope (ft/ft)      0.000108    Area (sq ft)            260415.80   51634.77   130302.50
  Q Total (cfs)           944490.80    Flow (cfs)              547759.70   144125.70   252605.50
  Top Width (ft)           4712.94    Top Width (ft)           2788.24     359.41    1565.29
  Vel Total (ft/s)            2.14    Avg. Vel. (ft/s)            2.10       2.79       1.94
  Max Chl Dpth (ft)         153.14    Hydr. Depth (ft)           93.40     143.67      83.24
  Conv. Total (cfs)       90990300.0    Conv. (cfs)            52770040.0   13884770.0   24335490.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2814.77     365.09    1591.76
  Min Ch El (ft)            607.44    Shear (lb/sq ft)            0.62       0.95       0.55
  Alpha                       1.04    Stream Power (lb/ft s)      1.31       2.66       1.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    161885.50   26159.93   98088.31
  C & E Loss (ft)             0.00    Cum SA (acres)           1422.34     158.73     914.23

Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22415.3*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.16  116.42  727.27  232.84  715.82   322.4  708.66  465.69  697.91
  591.06  688.51  620.92  688.06  859.73  686.27  1086.6  674.84 1235.86  668.07
 1319.44  664.97 1934.39  642.43  2173.2   639.7 2367.24  635.94 2483.66  632.91
 2794.12  628.06 2894.12  622.69 2944.12  618.54 2994.12  607.42 3094.12  607.42
 3153.82     630 3201.18  636.25 3284.04   636.6 3390.59  635.47 3414.26  635.82
 3544.49  644.56    3580  644.56 3674.71  653.42 3739.82  658.55 3769.41  661.32
 3870.04  666.46 4148.24  681.84 4325.81  706.78 4456.03     728 4527.06  738.41
 4716.47  740.39

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2794.12     .15 3153.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2794.12 3153.82             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.66    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       261016.20   51685.64   129834.60
  E.G. Slope (ft/ft)      0.000108    Area (sq ft)            261016.20   51685.64   129834.60
  Q Total (cfs)           944490.80    Flow (cfs)             548941.80   144247.50   251301.50
  Top Width (ft)           4716.47    Top Width (ft)          2794.12     359.70    1562.65
  Vel Total (ft/s)            2.13    Avg. Vel. (ft/s)           2.10       2.79       1.94
  Max Chl Dpth (ft)         153.16    Hydr. Depth (ft)          93.42     143.69      83.09
  Conv. Total (cfs)       91017560.0    Conv. (cfs)           52899760.0   13900670.0   24217130.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        2820.62     365.37    1589.09
  Min Ch El (ft)            607.42    Shear (lb/sq ft)           0.62       0.95       0.55
  Alpha                       1.04    Stream Power (lb/ft s)     1.31       2.65       1.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   161825.80   26148.09   98058.52
  C & E Loss (ft)             0.00    Cum SA (acres)          1421.70     158.65     913.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22405.4*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   737.2  116.67  727.29  233.33  715.78  323.08  708.62  466.67  697.87
  592.31  688.46  622.22     688  861.54  686.15 1088.89  674.75 1238.46  668.02
 1322.22  664.93 1938.46   642.5 2177.78  639.78 2372.22  635.97 2488.89  632.89
    2800     628    2900  622.67    2950   618.5    3000   607.4    3100   607.4
    3160     630 3207.27  636.25    3290   636.7 3396.36  635.64    3420     636
    3550     645 3585.45     645    3680   653.8    3745  658.85 3774.55   661.6
    3875   666.7 4152.73  682.02    4330   706.8    4460     728 4530.91  738.36
    4720   740.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2800     .15    3160     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2800    3160             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.66    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       261610.30   51737.43   129366.50
  E.G. Slope (ft/ft)      0.000108    Area (sq ft)            261610.30   51737.43   129366.50
  Q Total (cfs)           944490.80    Flow (cfs)             550112.50   144373.40   250005.00
  Top Width (ft)           4720.00    Top Width (ft)          2800.00     360.00    1560.00
  Vel Total (ft/s)            2.13    Avg. Vel. (ft/s)           2.10       2.79       1.93
  Max Chl Dpth (ft)         153.18    Hydr. Depth (ft)          93.43     143.72      82.93
  Conv. Total (cfs)       91043120.0    Conv. (cfs)           53027470.0   13916710.0   24098950.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        2826.45     365.65    1586.40
  Min Ch El (ft)            607.40    Shear (lb/sq ft)           0.62       0.95       0.55
  Alpha                       1.04    Stream Power (lb/ft s)     1.31       2.65       1.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   161765.90   26136.24   98028.82
  C & E Loss (ft)             0.00    Cum SA (acres)          1421.06     158.57     913.51


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22395.4*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.24  116.91  727.31  233.82  715.74  323.76  708.57  467.65  697.82
  593.55  688.42  623.53  687.94  863.35  686.04 1091.18  674.66 1241.06  667.96
    1325  664.88 1942.53  642.58 2182.35  639.85 2377.21     636 2494.12  632.87
 2805.88  627.94 2905.88  622.65 2955.88  618.46 3005.88  607.38 3105.88  607.38
 3166.18     630 3213.37  636.26 3295.96   636.8 3402.14   635.8 3425.74  636.18
 3555.51  645.44 3590.91  645.44 3685.29  654.18 3750.18  659.15 3779.68  661.88
 3879.96  666.94 4157.22   682.2 4334.19  706.82 4463.97     728 4534.76  738.32
 4723.53  740.41
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2805.88     .15 3166.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2805.88 3166.18             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.66    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       262206.70   51789.23   128898.10
  E.G. Slope (ft/ft)      0.000108    Area (sq ft)            262206.70   51789.23   128898.10
  Q Total (cfs)           944490.80    Flow (cfs)              551286.30   144498.10   248706.50
  Top Width (ft)           4723.53    Top Width (ft)           2805.88     360.30    1557.35
  Vel Total (ft/s)            2.13    Avg. Vel. (ft/s)            2.10       2.79       1.93
  Max Chl Dpth (ft)         153.20    Hydr. Depth (ft)           93.45     143.74      82.77
  Conv. Total (cfs)       91069400.0    Conv. (cfs)            53155950.0   13932750.0   23980700.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2832.29     365.93    1583.72
  Min Ch El (ft)            607.38    Shear (lb/sq ft)            0.62       0.95       0.55
  Alpha                       1.04    Stream Power (lb/ft s)      1.31       2.65       1.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    161705.90   26124.38   97999.23
  C & E Loss (ft)             0.00    Cum SA (acres)           1420.42     158.49     913.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22385.4*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.27  117.16  727.33  234.31  715.69  324.43  708.53  468.63  697.78
   594.8  688.37  624.84  687.88  865.16  685.93 1093.46  674.56 1243.67   667.9
 1327.78  664.84 1946.61  642.65 2186.93  639.93 2382.19  636.03 2499.35  632.85
 2811.76  627.88 2911.76  622.63 2961.76  618.41 3011.76  607.36 3111.76  607.36
 3172.35     630 3219.47  636.27 3301.91   636.9 3407.91  635.97 3431.47  636.35
 3561.03  645.88 3596.36  645.88 3690.59  654.55 3755.37  659.46 3784.81  662.16
 3884.93  667.19 4161.71  682.37 4338.38  706.85 4467.94     728 4538.61  738.27
 4727.06  740.42

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2811.76     .15 3172.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2811.76 3172.35             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.65    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       262803.60   51840.13   128432.50
  E.G. Slope (ft/ft)      0.000107    Area (sq ft)            262803.60   51840.13   128432.50
  Q Total (cfs)           944490.80    Flow (cfs)              552454.90   144620.00   247415.90
  Top Width (ft)           4727.06    Top Width (ft)           2811.76     360.59    1554.71
  Vel Total (ft/s)            2.13    Avg. Vel. (ft/s)            2.10       2.79       1.93
  Max Chl Dpth (ft)         153.22    Hydr. Depth (ft)           93.47     143.76      82.61
  Conv. Total (cfs)       91096450.0    Conv. (cfs)            53284460.0   13948650.0   23863340.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2838.14     366.20    1581.05
  Min Ch El (ft)            607.36    Shear (lb/sq ft)            0.62       0.95       0.55
  Alpha                       1.05    Stream Power (lb/ft s)      1.31       2.65       1.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    161645.80   26112.51   97969.76
  C & E Loss (ft)             0.00    Cum SA (acres)           1419.77     158.40     912.80


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22375.4*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.31   117.4  727.35   234.8  715.65  325.11  708.49  469.61  697.74
  596.04  688.33  626.14  687.82  866.97  685.81 1095.75  674.47 1246.27  667.84
 1330.56   664.8 1950.68  642.72  2191.5     640 2387.17  636.06 2504.58  632.83
 2817.65  627.82 2917.65  622.61 2967.65  618.37 3017.65  607.35 3117.65  607.35
 3178.53     630 3225.56  636.28 3307.87  636.99 3413.69  636.13 3437.21  636.53
 3566.54  646.32 3601.82  646.32 3695.88  654.93 3760.55  659.76 3789.95  662.45
 3889.89  667.43  4166.2  682.55 4342.57  706.87 4471.91     728 4542.46  738.22
 4730.59  740.44

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2817.65     .15 3178.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2817.65 3178.53             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.65    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       263402.30   51888.96   127966.40
  E.G. Slope (ft/ft)      0.000107    Area (sq ft)            263402.30   51888.96   127966.40
  Q Total (cfs)           944490.80    Flow (cfs)              553629.90   144733.50   246127.40
  Top Width (ft)           4730.59    Top Width (ft)           2817.65     360.88    1552.06
  Vel Total (ft/s)            2.13    Avg. Vel. (ft/s)            2.10       2.79       1.92
  Max Chl Dpth (ft)         153.23    Hydr. Depth (ft)           93.48     143.78      82.45
  Conv. Total (cfs)       91123470.0    Conv. (cfs)            53413630.0   13963740.0   23746110.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2843.98     366.47    1578.36
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  Min Ch El (ft)            607.35    Shear (lb/sq ft)            0.62       0.95       0.54
  Alpha                       1.05    Stream Power (lb/ft s)      1.31       2.65       1.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    161585.50   26100.63   97940.38
  C & E Loss (ft)             0.00    Cum SA (acres)           1419.13     158.32     912.45


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22365.4*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.34  117.65  727.37  235.29  715.61  325.79  708.45  470.59  697.69
  597.29  688.28  627.45  687.76  868.78   685.7 1098.04  674.37 1248.87  667.78
 1333.33  664.75 1954.75   642.8 2196.08  640.08 2392.16  636.09  2509.8   632.8
 2823.53  627.76 2923.53  622.59 2973.53  618.32 3023.53  607.33 3123.53  607.33
 3184.71     630 3231.66  636.28 3313.82  637.09 3419.47   636.3 3442.94  636.71
 3572.06  646.76 3607.27  646.76 3701.18  655.31 3765.74  660.06 3795.08  662.73
 3894.85  667.68  4170.7  682.73 4346.76  706.89 4475.88     728 4546.31  738.17
 4734.12  740.45

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2823.53     .15 3184.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2823.53 3184.71             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.65    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       264001.40   51941.23   127500.10
  E.G. Slope (ft/ft)      0.000107    Area (sq ft)            264001.40   51941.23   127500.10
  Q Total (cfs)           944490.80    Flow (cfs)              554797.60   144857.30   244835.90
  Top Width (ft)           4734.12    Top Width (ft)           2823.53     361.18     1549.41
  Vel Total (ft/s)            2.13    Avg. Vel. (ft/s)            2.10       2.79       1.92
  Max Chl Dpth (ft)         153.25    Hydr. Depth (ft)           93.50     143.81      82.29
  Conv. Total (cfs)       91151740.0    Conv. (cfs)             53542890.0   13980020.0   23628840.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2849.83     366.75     1575.68
  Min Ch El (ft)            607.33    Shear (lb/sq ft)            0.62       0.95       0.54
  Alpha                       1.05    Stream Power (lb/ft s)      1.30       2.65       1.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    161525.10   26088.73   97911.12
  C & E Loss (ft)             0.00    Cum SA (acres)           1418.48     158.24     912.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22355.4*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.38  117.89  727.39  235.78  715.57  326.47  708.41  471.57  697.65
  598.53  688.24  628.76  687.71  870.59  685.59 1100.33  674.28 1251.47  667.72
 1336.11  664.71 1958.82  642.87 2200.65  640.15 2397.14  636.12 2515.03  632.78
 2829.41  627.71 2929.41  622.57 2979.41  618.28 3029.41  607.31 3129.41  607.31
 3190.88     630 3237.75  636.29 3319.78  637.19 3425.24  636.47 3448.68  636.88
 3577.57  647.21 3612.73  647.21 3706.47  655.68 3770.92  660.36 3800.21  663.01
 3899.82  667.92 4175.19  682.91 4350.96  706.92 4479.85     728 4550.16  738.12
 4737.65  740.46

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2829.41     .15 3190.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2829.41 3190.88             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.65    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       264593.90   51991.14   127035.80
  E.G. Slope (ft/ft)      0.000107    Area (sq ft)            264593.90   51991.14   127035.80
  Q Total (cfs)           944490.80    Flow (cfs)              555957.40   144975.70   243557.70
  Top Width (ft)           4737.65    Top Width (ft)           2829.41     361.47     1546.77
  Vel Total (ft/s)            2.13    Avg. Vel. (ft/s)            2.10       2.79       1.92
  Max Chl Dpth (ft)         153.27    Hydr. Depth (ft)           93.52     143.83      82.13
  Conv. Total (cfs)       91177630.0    Conv. (cfs)             53670060.0   13995420.0   23512150.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2855.67     367.03     1573.02
  Min Ch El (ft)            607.31    Shear (lb/sq ft)            0.62       0.95       0.54
  Alpha                       1.05    Stream Power (lb/ft s)      1.30       2.65       1.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    161464.50   26076.83   97881.96
  C & E Loss (ft)             0.00    Cum SA (acres)           1417.83     158.16     911.74


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22345.4*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.41  118.14  727.41  236.27  715.52  327.15  708.37  472.55  697.61
  599.77  688.19  630.07  687.65   872.4  685.48 1102.61  674.19 1254.07  667.67
```

```
 1338.89  664.67  1962.9  642.95 2205.23  640.23 2402.12  636.15 2520.26  632.76
 2835.29  627.65 2935.29  622.55 2985.29  618.24 3035.29  607.29 3135.29  607.29
 3197.06     630 3243.85   636.3 3325.74  637.29 3431.02  636.63 3454.41  637.06
 3583.09  647.65 3618.18  647.65 3711.76  656.06  3776.1  660.67 3805.35  663.29
 3904.78  668.17 4179.68  683.08 4355.15  706.94 4483.82     728 4554.01  738.07
 4741.18  740.47

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2835.29     .15 3197.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2835.29 3197.06             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.65    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       265184.20   52042.97   126572.80
  E.G. Slope (ft/ft)      0.000107    Area (sq ft)            265184.20   52042.97   126572.80
  Q Total (cfs)           944490.80    Flow (cfs)             557105.60   145100.20   242285.10
  Top Width (ft)           4741.18    Top Width (ft)           2835.29     361.77    1544.12
  Vel Total (ft/s)            2.13    Avg. Vel. (ft/s)            2.10       2.79       1.91
  Max Chl Dpth (ft)         153.29    Hydr. Depth (ft)           93.53     143.86      81.97
  Conv. Total (cfs)       91203840.0    Conv. (cfs)            53796360.0   14011460.0   23396030.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2861.51     367.31    1570.34
  Min Ch El (ft)            607.29    Shear (lb/sq ft)            0.62       0.95       0.54
  Alpha                       1.05    Stream Power (lb/ft s)      1.30       2.64       1.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    161403.80   26064.91   97852.91
  C & E Loss (ft)             0.00    Cum SA (acres)           1417.18     158.07     911.38


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22335.4*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.45  118.38  727.43  236.76  715.48  327.83  708.33  473.53  697.56
  601.02  688.14  631.37  687.59  874.21  685.36  1104.9  674.09 1256.67  667.61
 1341.67  664.62 1966.97  643.02  2209.8   640.3 2407.11  636.18 2525.49  632.74
 2841.18  627.59 2941.18  622.53 2991.18  618.19 3041.18  607.28 3141.18  607.28
 3203.24     630 3249.95  636.31 3331.69  637.38 3436.79   636.8 3460.15  637.24
  3588.6  648.09 3623.64  648.09 3717.06  656.44 3781.29  660.97 3810.48  663.58
 3909.74  668.41 4184.17  683.26 4359.34  706.96 4487.79     728 4557.86  738.03
 4744.71  740.48

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2841.18     .15 3203.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2841.18 3203.24             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.65    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       265791.20   52092.30   126109.10
  E.G. Slope (ft/ft)      0.000107    Area (sq ft)            265791.20   52092.30   126109.10
  Q Total (cfs)           944490.80    Flow (cfs)             558281.90   145209.50   240999.50
  Top Width (ft)           4744.71    Top Width (ft)           2841.18     362.06    1541.47
  Vel Total (ft/s)            2.13    Avg. Vel. (ft/s)            2.10       2.79       1.91
  Max Chl Dpth (ft)         153.30    Hydr. Depth (ft)           93.55     143.88      81.81
  Conv. Total (cfs)       91234900.0    Conv. (cfs)            53928310.0   14026790.0   23279810.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2867.36     367.58    1567.67
  Min Ch El (ft)            607.28    Shear (lb/sq ft)            0.62       0.95       0.54
  Alpha                       1.05    Stream Power (lb/ft s)      1.30       2.64       1.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    161343.00   26052.98   97823.96
  C & E Loss (ft)             0.00    Cum SA (acres)           1416.53     157.99     911.03


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22325.4*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.48  118.63  727.45  237.25  715.44  328.51  708.29  474.51  697.52
  602.26   688.1  632.68  687.53  876.02  685.25 1107.19     674 1259.28  667.55
 1344.44  664.58 1971.04  643.09 2214.38  640.38 2412.09  636.21 2530.72  632.72
 2847.06  627.53 2947.06  622.51 2997.06  618.15 3047.06  607.26 3147.06  607.26
 3209.41     630 3256.04  636.31 3337.65  637.48 3442.57  636.96 3465.88  637.41
 3594.12  648.53 3629.09  648.53 3722.35  656.81 3786.47  661.27 3815.61  663.86
 3914.71  668.66 4188.66  683.44 4363.53  706.99 4491.76     728 4561.71  737.98
 4748.24  740.49

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2847.06     .15 3209.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2847.06 3209.41             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.65    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.57    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       266385.60   52142.69   125648.00
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  E.G. Slope (ft/ft)      0.000107    Area (sq ft)            266385.60   52142.69   125648.00
  Q Total (cfs)           944490.80    Flow (cfs)              559432.90   145326.80   239731.20
  Top Width (ft)           4748.24    Top Width (ft)           2847.06     362.35    1538.83
  Vel Total (ft/s)            2.13    Avg. Vel. (ft/s)            2.10       2.79       1.91
  Max Chl Dpth (ft)         153.31    Hydr. Depth (ft)           93.57     143.90      81.65
  Conv. Total (cfs)       91262790.0    Conv. (cfs)             54056010.0   14042410.0   23164370.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2873.21     367.86    1565.00
  Min Ch El (ft)            607.26    Shear (lb/sq ft)            0.62       0.95       0.54
  Alpha                       1.05    Stream Power (lb/ft s)      1.30       2.64       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    161282.00   26041.04   97795.12
  C & E Loss (ft)             0.00    Cum SA (acres)           1415.88     157.91     910.68


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22315.5*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.52  118.87  727.47  237.75   715.4  329.19  708.25  475.49  697.48
  603.51  688.05  633.99  687.47  877.83  685.14 1109.48  673.91 1261.88  667.49
 1347.22  664.54 1975.11  643.17 2218.95  640.45 2417.08  636.24 2535.95   632.7
 2852.94  627.47 2952.94  622.49 3002.94   618.1 3052.94  607.24 3152.94  607.24
 3215.59     630 3262.14  636.32  3343.6  637.58 3448.34  637.13 3471.62  637.59
 3599.63  648.97 3634.55  648.97 3727.65  657.19 3791.65  661.57 3820.75  664.14
 3919.67   668.9 4193.16  683.61 4367.72  707.01 4495.74     728 4565.56  737.93
 4751.76  740.51

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2852.94     .15 3215.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2852.94 3215.59             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.65    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.57    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       266978.20   52195.07   125188.50
  E.G. Slope (ft/ft)      0.000107    Area (sq ft)            266978.20   52195.07   125188.50
  Q Total (cfs)           944490.80    Flow (cfs)              560571.50   145449.50   238469.80
  Top Width (ft)           4751.76    Top Width (ft)           2852.94     362.65    1536.17
  Vel Total (ft/s)            2.13    Avg. Vel. (ft/s)            2.10       2.79       1.90
  Max Chl Dpth (ft)         153.33    Hydr. Depth (ft)           93.58     143.93      81.49
  Conv. Total (cfs)       91291710.0    Conv. (cfs)             54183200.0   14058720.0   23049790.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2879.04     368.14    1562.31
  Min Ch El (ft)            607.24    Shear (lb/sq ft)            0.62       0.95       0.54
  Alpha                       1.05    Stream Power (lb/ft s)      1.30       2.64       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    161221.00   26029.09   97766.38
  C & E Loss (ft)             0.00    Cum SA (acres)           1415.23     157.82     910.32


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22305.5*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.55  119.12  727.49  238.24  715.35  329.86  708.21  476.47  697.44
  604.75  688.01  635.29  687.41  879.64  685.02 1111.76  673.81 1264.48  667.43
    1350  664.49 1979.19  643.24 2223.53  640.53 2422.06  636.27 2541.18  632.68
 2858.82  627.41 2958.82  622.47 3008.82  618.06 3058.82  607.22 3158.82  607.22
 3221.76     630 3268.24  636.33 3349.56  637.68 3454.12  637.29 3477.35  637.76
 3605.15  649.41    3640  649.41 3732.94  657.56 3796.84  661.88 3825.88  664.42
 3924.63  669.15 4197.65  683.79 4371.91  707.04 4499.71     728 4569.41  737.88
 4755.29  740.52

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2858.82     .15 3221.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2858.82 3221.76             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.65    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.57    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       267581.80   52245.47   124727.90
  E.G. Slope (ft/ft)      0.000107    Area (sq ft)            267581.80   52245.47   124727.90
  Q Total (cfs)           944490.80    Flow (cfs)              561732.10   145561.10   237197.60
  Top Width (ft)           4755.29    Top Width (ft)           2858.82     362.94    1533.53
  Vel Total (ft/s)            2.12    Avg. Vel. (ft/s)            2.10       2.79       1.90
  Max Chl Dpth (ft)         153.35    Hydr. Depth (ft)           93.60     143.95      81.33
  Conv. Total (cfs)       91323060.0    Conv. (cfs)             54314020.0   14074350.0   22934700.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2884.89     368.41    1559.64
  Min Ch El (ft)            607.22    Shear (lb/sq ft)            0.62       0.95       0.53
  Alpha                       1.05    Stream Power (lb/ft s)      1.30       2.64       1.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    161159.70   26017.12   97737.75
  C & E Loss (ft)             0.00    Cum SA (acres)           1414.58     157.74     909.97


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22295.5*
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INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.59  119.36  727.51  238.73  715.31  330.54  708.17  477.45  697.39
     606  687.96   636.6  687.35  881.45  684.91 1114.05  673.72 1267.08  667.37
 1352.78  664.45 1983.26  643.31  2228.1   640.6 2427.04   636.3 2546.41  632.66
 2864.71  627.35 2964.71  622.45 3014.71  618.01 3064.71  607.21 3164.71  607.21
 3227.94     630 3274.33  636.34 3355.51  637.78 3459.89  637.46 3483.09  637.94
 3610.66  649.85 3645.45  649.85 3738.24  657.94 3802.02  662.18 3831.02  664.71
  3929.6  669.39 4202.14  683.97  4376.1  707.06 4503.68     728 4573.26  737.83
 4758.82  740.53

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2864.71     .15 3227.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2864.71 3227.94             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.64    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.57    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       268181.90   52294.82   124268.00
  E.G. Slope (ft/ft)      0.000107    Area (sq ft)            268181.90   52294.82   124268.00
  Q Total (cfs)           944490.80    Flow (cfs)              562886.20   145671.40   235933.20
  Top Width (ft)           4758.82    Top Width (ft)           2864.71     363.23    1530.88
  Vel Total (ft/s)            2.12    Avg. Vel. (ft/s)            2.10       2.79       1.90
  Max Chl Dpth (ft)         153.36    Hydr. Depth (ft)           93.62     143.97      81.17
  Conv. Total (cfs)       91353290.0    Conv. (cfs)             54443630.0   14089670.0   22820000.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2890.74     368.68    1556.97
  Min Ch El (ft)            607.21    Shear (lb/sq ft)            0.62       0.95       0.53
  Alpha                       1.05    Stream Power (lb/ft s)      1.30       2.64       1.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    161098.30   26005.15   97709.23
  C & E Loss (ft)             0.00    Cum SA (acres)           1413.92     157.66     909.62


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22285.5*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.62  119.61  727.53  239.22  715.27  331.22  708.13  478.43  697.35
  607.24  687.92  637.91  687.29  883.26   684.8 1116.34  673.62 1269.68  667.31
 1355.56  664.41 1987.33  643.39 2232.68  640.68 2432.03  636.33 2551.63  632.63
 2870.59  627.29 2970.59  622.43 3020.59  617.97 3070.59  607.19 3170.59  607.19
 3234.12     630 3280.43  636.34 3361.47  637.87 3465.67  637.63 3488.82  638.12
 3616.18  650.29 3650.91  650.29 3743.53  658.32 3807.21  662.48 3836.15  664.99
 3934.56  669.64 4206.63  684.15 4380.29  707.08 4507.65     728 4577.11  737.79
 4762.35  740.54

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2870.59     .15 3234.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2870.59 3234.12             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.64    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.57    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       268776.80   52346.68   123807.90
  E.G. Slope (ft/ft)      0.000107    Area (sq ft)            268776.80   52346.68   123807.90
  Q Total (cfs)           944490.80    Flow (cfs)              564027.60   145790.60   234672.70
  Top Width (ft)           4762.35    Top Width (ft)           2870.59     363.53    1528.23
  Vel Total (ft/s)            2.12    Avg. Vel. (ft/s)            2.10       2.79       1.90
  Max Chl Dpth (ft)         153.38    Hydr. Depth (ft)           93.63     144.00      81.01
  Conv. Total (cfs)       91382510.0    Conv. (cfs)             54571480.0   14105700.0   22705330.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2896.59     368.97    1554.30
  Min Ch El (ft)            607.19    Shear (lb/sq ft)            0.62       0.95       0.53
  Alpha                       1.05    Stream Power (lb/ft s)      1.30       2.64       1.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    161036.80   25993.16   97680.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1413.26     157.57     909.27


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22275.5*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.66  119.85  727.55  239.71  715.23   331.9  708.09  479.41  697.31
  608.48  687.87  639.22  687.24  885.07  684.68 1118.63  673.53 1272.29  667.26
 1358.33  664.36  1991.4  643.46 2237.25  640.75 2437.01  636.36 2556.86  632.61
 2876.47  627.24 2976.47  622.41 3026.47  617.93 3076.47  607.17 3176.47  607.17
 3240.29     630 3286.52  636.35 3367.43  637.97 3471.44  637.79 3494.56  638.29
 3621.69  650.74 3656.36  650.74 3748.82  658.69 3812.39  662.78 3841.28  665.27
 3939.52  669.88 4211.12  684.32 4384.49  707.11 4511.62     728 4580.96  737.74
 4765.88  740.55

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2876.47     .15 3240.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2876.47 3240.29             9.98    9.98    9.98             .1       .3
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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.64    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.57    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       269376.40   52396.62   123353.10
  E.G. Slope (ft/ft)      0.000107    Area (sq ft)            269376.40   52396.62   123353.10
  Q Total (cfs)           944490.80    Flow (cfs)             565169.60   145898.70   233422.50
  Top Width (ft)           4765.88    Top Width (ft)          2876.47     363.82    1525.59
  Vel Total (ft/s)            2.12    Avg. Vel. (ft/s)           2.10       2.78       1.89
  Max Chl Dpth (ft)         153.40    Hydr. Depth (ft)          93.65     144.02      80.86
  Conv. Total (cfs)       91414430.0    Conv. (cfs)            54701070.0   14121100.0   22592260.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        2902.43     369.24    1551.64
  Min Ch El (ft)            607.17    Shear (lb/sq ft)           0.62       0.95       0.53
  Alpha                       1.05    Stream Power (lb/ft s)     1.30       2.63       1.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    160975.20   25981.16   97652.49
  C & E Loss (ft)             0.00    Cum SA (acres)           1412.60     157.49     908.92


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22265.5*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.69   120.1  727.57   240.2  715.18  332.58  708.05  480.39  697.26
  609.73  687.83  640.52  687.18  886.88  684.57 1120.92  673.44 1274.89   667.2
 1361.11  664.32 1995.48  643.53 2241.83  640.83 2441.99  636.39 2562.09  632.59
 2882.35  627.18 2982.35  622.39 3032.35  617.88 3082.35  607.15 3182.35  607.15
 3246.47     630 3292.62  636.36 3373.38  638.07 3477.22  637.96 3500.29  638.47
 3627.21  651.18 3661.82  651.18 3754.12  659.07 3817.57  663.09 3846.42  665.55
 3944.49  670.13 4215.62   684.5 4388.68  707.13 4515.59     728 4584.81  737.69
 4769.41  740.56

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2882.35     .15 3246.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2882.35 3246.47             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.64    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.57    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       269974.10   52448.94   122894.40
  E.G. Slope (ft/ft)      0.000107    Area (sq ft)            269974.10   52448.94   122894.40
  Q Total (cfs)           944490.80    Flow (cfs)             566308.50   146017.30   232165.00
  Top Width (ft)           4769.41    Top Width (ft)          2882.35     364.12    1522.94
  Vel Total (ft/s)            2.12    Avg. Vel. (ft/s)           2.10       2.78       1.89
  Max Chl Dpth (ft)         153.42    Hydr. Depth (ft)          93.66     144.04      80.70
  Conv. Total (cfs)       91445450.0    Conv. (cfs)            54829900.0   14137370.0   22478180.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        2908.27     369.53    1548.97
  Min Ch El (ft)            607.15    Shear (lb/sq ft)           0.62       0.95       0.53
  Alpha                       1.05    Stream Power (lb/ft s)     1.30       2.63       1.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    160913.40   25969.15   97624.28
  C & E Loss (ft)             0.00    Cum SA (acres)           1411.95     157.41     908.57


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22255.5*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.73  120.34  727.59  240.69  715.14  333.26     708  481.37  697.22
  610.97  687.78  641.83  687.12  888.69  684.46  1123.2  673.34 1277.49  667.14
 1363.89  664.27 1999.55  643.61 2246.41  640.91 2446.98  636.42 2567.32  632.57
 2888.24  627.12 2988.24  622.37 3038.24  617.84 3088.24  607.14 3188.24  607.14
 3252.65     630 3298.72  636.37 3379.34  638.17 3482.99  638.12 3506.03  638.65
 3632.72  651.62 3667.27  651.62 3759.41  659.45 3822.76  663.39 3851.55  665.84
 3949.45  670.37 4220.11  684.68 4392.87  707.15 4519.56     728 4588.66  737.64
 4772.94  740.58

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2888.24     .15 3252.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2888.24 3252.65             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.64    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.57    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       270573.80   52497.82   122437.50
  E.G. Slope (ft/ft)      0.000107    Area (sq ft)            270573.80   52497.82   122437.50
  Q Total (cfs)           944490.80    Flow (cfs)             567452.10   146123.10   230915.60
  Top Width (ft)           4772.94    Top Width (ft)          2888.24     364.41    1520.29
  Vel Total (ft/s)            2.12    Avg. Vel. (ft/s)           2.10       2.78       1.89
  Max Chl Dpth (ft)         153.43    Hydr. Depth (ft)          93.68     144.06      80.54
  Conv. Total (cfs)       91476660.0    Conv. (cfs)            54959370.0   14152440.0   22364840.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        2914.12     369.80    1546.30
  Min Ch El (ft)            607.14    Shear (lb/sq ft)           0.62       0.94       0.53
  Alpha                       1.05    Stream Power (lb/ft s)     1.30       2.63       0.99
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    160851.50   25957.13   97596.18
  C & E Loss (ft)             0.00    Cum SA (acres)           1411.28     157.32     908.22
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22245.5*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.76  120.59  727.61  241.18   715.1  333.94  707.96  482.35  697.18
  612.22  687.74  643.14  687.06   890.5  684.34 1125.49  673.25 1280.09  667.08
 1366.67  664.23 2003.62  643.68 2250.98  640.98 2451.96  636.45 2572.55  632.55
 2894.12  627.06 2994.12  622.35 3044.12  617.79 3094.12  607.12 3194.12  607.12
 3258.82     630 3304.81  636.37 3385.29  638.26 3488.77  638.29 3511.76  638.82
 3638.24  652.06 3672.73  652.06 3764.71  659.82 3827.94  663.69 3856.68  666.12
 3954.41  670.62  4224.6  684.85 4397.06  707.18 4523.53     728 4592.51  737.59
 4776.47  740.59

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2894.12     .15 3258.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2894.12 3258.82             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.64    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.57    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       271174.30   52548.79   121985.50
  E.G. Slope (ft/ft)      0.000107    Area (sq ft)            271174.30   52548.79   121985.50
  Q Total (cfs)           944490.80    Flow (cfs)              568582.30   146233.20   229675.40
  Top Width (ft)           4776.47    Top Width (ft)           2894.12     364.70    1517.65
  Vel Total (ft/s)            2.12    Avg. Vel. (ft/s)            2.10       2.78       1.88
  Max Chl Dpth (ft)         153.45    Hydr. Depth (ft)           93.70     144.09      80.38
  Conv. Total (cfs)       91510390.0    Conv. (cfs)            55089140.0   14168330.0   22252930.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2919.97     370.07    1543.64
  Min Ch El (ft)            607.12    Shear (lb/sq ft)            0.62       0.94       0.53
  Alpha                       1.05    Stream Power (lb/ft s)      1.29       2.63       0.99
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    160789.40   25945.10   97568.18
  C & E Loss (ft)             0.00    Cum SA (acres)           1410.62     157.24     907.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22235.6*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   737.8  120.83  727.63  241.67  715.06  334.62  707.92  483.33  697.13
  613.46  687.69  644.44     687  892.31  684.23 1127.78  673.16 1282.69  667.02
 1369.44  664.19 2007.69  643.76 2255.56  641.06 2456.94  636.48 2577.78  632.53
    2900     627    3000  622.33    3050  617.75    3100   607.1    3200   607.1
    3265     630 3310.91  636.38 3391.25  638.36 3494.55  638.45  3517.5     639
 3643.75   652.5 3678.18   652.5    3770   660.2 3833.12  663.99 3861.82   666.4
 3959.38  670.86 4229.09  685.03 4401.25   707.2  4527.5     728 4596.36  737.55
    4780   740.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2900     .15    3265     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2900    3265             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.64    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.56    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       271767.70   52600.66   121530.70
  E.G. Slope (ft/ft)      0.000106    Area (sq ft)            271767.70   52600.66   121530.70
  Q Total (cfs)           944490.80    Flow (cfs)              569705.80   146349.30   228435.80
  Top Width (ft)           4780.00    Top Width (ft)           2900.00     365.00    1515.00
  Vel Total (ft/s)            2.12    Avg. Vel. (ft/s)            2.10       2.78       1.88
  Max Chl Dpth (ft)         153.46    Hydr. Depth (ft)           93.71     144.11      80.22
  Conv. Total (cfs)       91541260.0    Conv. (cfs)            55216620.0   14184360.0   22140290.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2925.81     370.36    1540.98
  Min Ch El (ft)            607.10    Shear (lb/sq ft)            0.62       0.94       0.52
  Alpha                       1.05    Stream Power (lb/ft s)      1.29       2.63       0.99
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    160727.20   25933.05   97540.28
  C & E Loss (ft)             0.00    Cum SA (acres)           1409.96     157.16     907.53


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22225.6*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.84  121.08  727.65  242.16  715.01  335.29  707.88  484.31  697.09
  614.71  687.65  645.75  686.94  894.12  684.12 1130.07  673.06 1285.29  666.96
 1372.22  664.14 2011.76  643.83 2260.13  641.13 2461.93  636.51 2583.01  632.51
 2905.88  626.94 3005.88  622.31 3055.88  617.71 3105.88  607.08 3205.88  607.08
 3271.18     630 3317.01  636.39 3397.21  638.46 3500.32  638.62 3523.24  639.18
 3649.26  652.94 3683.64  652.94 3775.29  660.58 3838.31   664.3 3866.95  666.68
 3964.34  671.11 4233.58  685.21 4405.44  707.22 4531.47     728 4600.21   737.5
 4783.53  740.61
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2905.88     .15 3271.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2905.88 3271.18             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.64    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.56    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       272372.20   52652.54   121075.00
  E.G. Slope (ft/ft)      0.000106    Area (sq ft)            272372.20   52652.54   121075.00
  Q Total (cfs)           944490.80    Flow (cfs)             570844.80   146459.50   227186.60
  Top Width (ft)           4783.53    Top Width (ft)          2905.88     365.30    1512.35
  Vel Total (ft/s)            2.12    Avg. Vel. (ft/s)           2.10       2.78       1.88
  Max Chl Dpth (ft)         153.48    Hydr. Depth (ft)          93.73     144.14      80.06
  Conv. Total (cfs)       91575730.0    Conv. (cfs)            55347840.0   14200390.0   22027500.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        2931.65     370.64    1538.31
  Min Ch El (ft)            607.08    Shear (lb/sq ft)           0.62       0.94       0.52
  Alpha                       1.05    Stream Power (lb/ft s)     1.29       2.62       0.98
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    160664.90   25921.00   97512.49
  C & E Loss (ft)             0.00    Cum SA (acres)           1409.29     157.07     907.18


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22215.6*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.87  121.32  727.67  242.65  714.97  335.97  707.84  485.29  697.05
  615.95   687.6  647.06  686.88  895.93     684 1132.35  672.97  1287.9  666.91
    1375   664.1 2015.84   643.9 2264.71  641.21 2466.91  636.53 2588.24  632.49
 2911.76  626.88 3011.76  622.29 3061.76  617.66 3111.76  607.06 3211.76  607.06
 3277.35     630  3323.1   636.4 3403.16  638.56  3506.1  638.79 3528.97  639.35
 3654.78  653.38 3689.09  653.38 3780.59  660.95 3843.49   664.6 3872.09  666.96
  3969.3  671.35 4238.07  685.39 4409.63  707.25 4535.44     728 4604.06  737.45
 4787.06  740.62

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2911.76     .15 3277.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2911.76 3277.35             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.64    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.56    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       272972.30   52703.52   120623.70
  E.G. Slope (ft/ft)      0.000106    Area (sq ft)            272972.30   52703.52   120623.70
  Q Total (cfs)           944490.80    Flow (cfs)             571969.20   146568.90   225952.80
  Top Width (ft)           4787.06    Top Width (ft)          2911.76     365.59    1509.71
  Vel Total (ft/s)            2.12    Avg. Vel. (ft/s)           2.10       2.78       1.87
  Max Chl Dpth (ft)         153.50    Hydr. Depth (ft)          93.75     144.16      79.90
  Conv. Total (cfs)       91609790.0    Conv. (cfs)            55477490.0   14216280.0   21916030.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        2937.49     370.92    1535.66
  Min Ch El (ft)            607.06    Shear (lb/sq ft)           0.62       0.94       0.52
  Alpha                       1.05    Stream Power (lb/ft s)     1.29       2.62       0.98
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    160602.40   25908.93   97484.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1408.63     156.99     906.83


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22205.6*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.91  121.57  727.69  243.14  714.93  336.65   707.8  486.27     697
  617.19  687.56  648.37  686.82  897.74  683.89 1134.64  672.87  1290.5  666.85
 1377.78  664.06 2019.91  643.98 2269.28  641.28  2471.9  636.56 2593.46  632.46
 2917.65  626.82 3017.65  622.27 3067.65  617.62 3117.65  607.05 3217.65  607.05
 3283.53     630  3329.2   636.4 3409.12  638.66 3511.87  638.95 3534.71  639.53
 3660.29  653.82 3694.55  653.82 3785.88  661.33 3848.68   664.9 3877.22  667.25
 3974.26   671.6 4242.57  685.56 4413.82  707.27 4539.41     728 4607.91   737.4
 4790.59  740.64

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2917.65     .15 3283.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2917.65 3283.53             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.56    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       273573.00   52752.41   120172.20
  E.G. Slope (ft/ft)      0.000106    Area (sq ft)            273573.00   52752.41   120172.20
  Q Total (cfs)           944490.80    Flow (cfs)             573097.30   146670.20   224723.40
  Top Width (ft)           4790.59    Top Width (ft)          2917.65     365.88    1507.06
  Vel Total (ft/s)            2.12    Avg. Vel. (ft/s)           2.09       2.78       1.87
  Max Chl Dpth (ft)         153.51    Hydr. Depth (ft)          93.76     144.18      79.74
  Conv. Total (cfs)       91643450.0    Conv. (cfs)            55607320.0   14231330.0   21804790.0
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```
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2943.34     371.19    1532.99
  Min Ch El (ft)            607.05    Shear (lb/sq ft)            0.62       0.94       0.52
  Alpha                       1.05    Stream Power (lb/ft s)      1.29       2.62       0.97
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    160539.80   25896.85   97457.22
  C & E Loss (ft)             0.00    Cum SA (acres)           1407.96     156.91     906.49


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22195.6*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.94  121.81  727.71  243.63  714.89  337.33  707.76  487.25  696.96
  618.44  687.51  649.67  686.76  899.55  683.78 1136.93  672.78  1293.1  666.79
 1380.56  664.01 2023.98  644.05 2273.86  641.36 2476.88  636.59 2598.69  632.44
 2923.53  626.76 3023.53  622.25 3073.53  617.57 3123.53  607.03 3223.53  607.03
 3289.71     630 3335.29  636.41 3415.07  638.75 3517.65  639.12 3540.44  639.71
 3665.81  654.26    3700  654.26 3791.18  661.71 3853.86   665.2 3882.35  667.53
 3979.23  671.84 4247.06  685.74 4418.01  707.29 4543.38     728 4611.76  737.35
 4794.12  740.65

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2923.53     .15 3289.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2923.53 3289.71             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.56    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       274174.30   52804.77   119722.30
  E.G. Slope (ft/ft)      0.000106    Area (sq ft)            274174.30   52804.77   119722.30
  Q Total (cfs)           944490.80    Flow (cfs)              574214.90   146781.00   223495.00
  Top Width (ft)           4794.12    Top Width (ft)           2923.53     366.18    1504.41
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.09       2.78       1.87
  Max Chl Dpth (ft)         153.53    Hydr. Depth (ft)           93.78     144.20      79.58
  Conv. Total (cfs)       91678980.0    Conv. (cfs)             55737370.0   14247600.0   21694010.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2949.19     371.47    1530.32
  Min Ch El (ft)            607.03    Shear (lb/sq ft)            0.62       0.94       0.52
  Alpha                       1.05    Stream Power (lb/ft s)      1.29       2.62       0.97
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    160477.10   25884.76   97429.73
  C & E Loss (ft)             0.00    Cum SA (acres)           1407.29     156.82     906.14


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22185.6*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.98  122.06  727.73  244.12  714.84  338.01  707.72  488.24  696.92
  619.68  687.47  650.98  686.71  901.36  683.67 1139.22  672.69  1295.7  666.73
 1383.33  663.97 2028.05  644.12 2278.43  641.43 2481.86  636.62 2603.92  632.42
 2929.41  626.71 3029.41  622.24 3079.41  617.53 3129.41  607.01 3229.41  607.01
 3295.88     630 3341.39  636.42 3421.03  638.85 3523.42  639.28 3546.18  639.88
 3671.32  654.71 3705.45  654.71 3796.47  662.08 3859.04  665.51 3887.49  667.81
 3984.19  672.09 4251.55  685.92 4422.21  707.32 4547.35     728 4615.62   737.3
 4797.65  740.66

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2929.41     .15 3295.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2929.41 3295.88             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.56    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       274771.10   52854.00   119270.70
  E.G. Slope (ft/ft)      0.000106    Area (sq ft)            274771.10   52854.00   119270.70
  Q Total (cfs)           944490.80    Flow (cfs)              575336.70   146884.10   222270.00
  Top Width (ft)           4797.65    Top Width (ft)           2929.41     366.47    1501.77
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.09       2.78       1.86
  Max Chl Dpth (ft)         153.55    Hydr. Depth (ft)           93.80     144.22      79.42
  Conv. Total (cfs)       91711370.0    Conv. (cfs)             55865990.0   14262650.0   21582730.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2955.03     371.75    1527.67
  Min Ch El (ft)            607.01    Shear (lb/sq ft)            0.62       0.94       0.52
  Alpha                       1.05    Stream Power (lb/ft s)      1.29       2.62       0.96
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    160414.20   25872.65   97402.36
  C & E Loss (ft)             0.00    Cum SA (acres)           1406.62     156.74     905.80


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22175.6*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.01   122.3  727.75  244.61   714.8  338.69  707.68  489.22  696.87
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  620.93  687.42  652.29  686.65  903.17  683.55  1141.5  672.59  1298.3  666.67
 1386.11  663.93 2032.13   644.2 2283.01  641.51 2486.85  636.65 2609.15   632.4
 2935.29  626.65 3035.29  622.22 3085.29  617.49 3135.29  606.99 3235.29  606.99
 3302.06     630 3347.49  636.43 3426.99  638.95  3529.2  639.45 3551.91  640.06
 3676.84  655.15 3710.91  655.15 3801.76  662.46 3864.23  665.81 3892.62  668.09
 3989.15  672.33 4256.04  686.09  4426.4  707.34 4551.32     728 4619.47  737.26
 4801.18  740.67

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2935.29     .15 3302.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2935.29 3302.06             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.56    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       275370.30   52905.92   118822.40
  E.G. Slope (ft/ft)      0.000106    Area (sq ft)            275370.30   52905.92   118822.40
  Q Total (cfs)           944490.80    Flow (cfs)             576447.20   146992.70   221050.90
  Top Width (ft)           4801.18    Top Width (ft)          2935.29     366.77    1499.12
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)           2.09       2.78       1.86
  Max Chl Dpth (ft)         153.57    Hydr. Depth (ft)           93.81     144.25      79.26
  Conv. Total (cfs)       91746620.0    Conv. (cfs)            55995340.0   14278680.0   21472600.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        2960.88     372.04    1525.02
  Min Ch El (ft)            606.99    Shear (lb/sq ft)           0.62       0.94       0.52
  Alpha                       1.05    Stream Power (lb/ft s)     1.29       2.61       0.96
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    160351.20   25860.54   97375.09
  C & E Loss (ft)             0.00    Cum SA (acres)           1405.95     156.65     905.45


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22165.6*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.05  122.55  727.77   245.1  714.76  339.37  707.64   490.2  696.83
  622.17  687.38  653.59  686.59  904.98  683.44 1143.79   672.5 1300.91  666.61
 1388.89  663.88  2036.2  644.27 2287.58  641.58 2491.83  636.68 2614.38  632.38
 2941.18  626.59 3041.18   622.2 3091.18  617.44 3141.18  606.98 3241.18  606.98
 3308.24     630 3353.58  636.43 3432.94  639.05 3534.97  639.61 3557.65  640.24
 3682.35  655.59 3716.36  655.59 3807.06  662.84 3869.41  666.11 3897.75  668.38
 3994.12  672.58 4260.53  686.27 4430.59  707.36 4555.29     728 4623.32  737.21
 4804.71  740.68

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2941.18     .15 3308.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2941.18 3308.24             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.56    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       275974.30   52955.32   118372.90
  E.G. Slope (ft/ft)      0.000106    Area (sq ft)            275974.30   52955.32   118372.90
  Q Total (cfs)           944490.80    Flow (cfs)             577569.40   147092.70   219828.60
  Top Width (ft)           4804.71    Top Width (ft)          2941.18     367.06    1496.47
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)           2.09       2.78       1.86
  Max Chl Dpth (ft)         153.58    Hydr. Depth (ft)           93.83     144.27      79.10
  Conv. Total (cfs)       91782490.0    Conv. (cfs)            56126280.0   14293990.0   21362220.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        2966.73     372.31    1522.36
  Min Ch El (ft)            606.98    Shear (lb/sq ft)           0.61       0.94       0.51
  Alpha                       1.05    Stream Power (lb/ft s)     1.29       2.61       0.95
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    160288.00   25848.41   97347.91
  C & E Loss (ft)             0.00    Cum SA (acres)           1405.27     156.57     905.11


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22155.6*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.08  122.79  727.79  245.59  714.72  340.05   707.6  491.18  696.79
  623.42  687.33   654.9  686.53  906.79  683.33 1146.08  672.41 1303.51  666.56
 1391.67  663.84 2040.27  644.34 2292.16  641.66 2496.81  636.71 2619.61  632.36
 2947.06  626.53 3047.06  622.18 3097.06   617.4 3147.06  606.96 3247.06  606.96
 3314.41     630 3359.68  636.44  3438.9  639.14 3540.75  639.78 3563.38  640.41
 3687.87  656.03 3721.82  656.03 3812.35  663.21  3874.6  666.41 3902.89  668.66
 3999.08  672.82 4265.03  686.45 4434.78  707.39 4559.26     728 4627.17  737.16
 4808.24  740.69

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2947.06     .15 3314.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2947.06 3314.41             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.56    Reach Len. (ft)             9.98       9.98       9.98
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```
  Crit W.S. (ft)                      Flow Area (sq ft)       276571.50   53005.78   117927.80
  E.G. Slope (ft/ft)      0.000106    Area (sq ft)            276571.50   53005.78   117927.80
  Q Total (cfs)           944490.80    Flow (cfs)              578671.40   147197.00   218622.40
  Top Width (ft)           4808.24    Top Width (ft)           2947.06     367.35    1493.83
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.09       2.78       1.85
  Max Chl Dpth (ft)         153.60    Hydr. Depth (ft)           93.85     144.29      78.94
  Conv. Total (cfs)       91817700.0    Conv. (cfs)             56254940.0   14309600.0   21253160.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2972.58     372.58    1519.71
  Min Ch El (ft)            606.96    Shear (lb/sq ft)            0.61       0.94       0.51
  Alpha                       1.05    Stream Power (lb/ft s)      1.29       2.61       0.95
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    160224.70   25836.27   97320.84
  C & E Loss (ft)             0.00    Cum SA (acres)           1404.60     156.49     904.77


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22145.7*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.12  123.04  727.81  246.08  714.67  340.72  707.56  492.16  696.75
  624.66  687.29  656.21  686.47   908.6  683.21 1148.37  672.31 1306.11   666.5
 1394.44  663.79 2044.34  644.42 2296.73  641.73  2501.8  636.74 2624.84  632.34
 2952.94  626.47 3052.94  622.16 3102.94  617.35 3152.94  606.94 3252.94  606.94
 3320.59     630 3365.78  636.45 3444.85  639.24 3546.52  639.95 3569.12  640.59
 3693.38  656.47 3727.27  656.47 3817.65  663.59 3879.78  666.72 3908.02  668.94
 4004.04  673.07 4269.52  686.62 4438.97  707.41 4563.24     728 4631.02  737.11
 4811.76  740.71

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2952.94     .15 3320.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2952.94 3320.59             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.56    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       277175.80   53058.25   117480.00
  E.G. Slope (ft/ft)      0.000106    Area (sq ft)            277175.80   53058.25   117480.00
  Q Total (cfs)           944490.80    Flow (cfs)              579781.10   147303.60   217406.10
  Top Width (ft)           4811.76    Top Width (ft)           2952.94     367.65    1491.17
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.09       2.78       1.85
  Max Chl Dpth (ft)         153.62    Hydr. Depth (ft)           93.86     144.32      78.78
  Conv. Total (cfs)       91855700.0    Conv. (cfs)             56386140.0   14325900.0   21143660.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2978.42     372.87    1517.04
  Min Ch El (ft)            606.94    Shear (lb/sq ft)            0.61       0.94       0.51
  Alpha                       1.05    Stream Power (lb/ft s)      1.28       2.61       0.95
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    160161.30   25824.12   97293.88
  C & E Loss (ft)             0.00    Cum SA (acres)           1403.92     156.40     904.43


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22135.7*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.15  123.28  727.83  246.57  714.63   341.4  707.52  493.14   696.7
   625.9  687.24  657.52  686.41  910.41   683.1 1150.65  672.22 1308.71  666.44
 1397.22  663.75 2048.42  644.49 2301.31  641.81 2506.78  636.77 2630.07  632.32
 2958.82  626.41 3058.82  622.14 3108.82  617.31 3158.82  606.92 3258.82  606.92
 3326.76     630 3371.87  636.46 3450.81  639.34  3552.3  640.11 3574.85  640.76
  3698.9  656.91 3732.73  656.91 3822.94  663.96 3884.96  667.02 3913.16  669.22
 4009.01  673.31 4274.01   686.8 4443.16  707.44 4567.21     728 4634.87  737.06
 4815.29  740.72

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2958.82     .15 3326.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2958.82 3326.76             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.55    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       277776.10   53108.73   117036.20
  E.G. Slope (ft/ft)      0.000106    Area (sq ft)            277776.10   53108.73   117036.20
  Q Total (cfs)           944490.80    Flow (cfs)              580881.80   147405.20   216203.70
  Top Width (ft)           4815.29    Top Width (ft)           2958.82     367.94    1488.53
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.09       2.78       1.85
  Max Chl Dpth (ft)         153.63    Hydr. Depth (ft)           93.88     144.34      78.63
  Conv. Total (cfs)       91892490.0    Conv. (cfs)             56515820.0   14341520.0   21035140.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         2984.27     373.15    1514.39
  Min Ch El (ft)            606.92    Shear (lb/sq ft)            0.61       0.94       0.51
  Alpha                       1.05    Stream Power (lb/ft s)      1.28       2.61       0.94
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    160097.70   25811.96   97267.01
  C & E Loss (ft)             0.00    Cum SA (acres)           1403.25     156.32     904.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
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REACH: PALUXY RIVER       RS: 22125.7*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.19  123.53  727.85  247.06  714.59  342.08  707.48  494.12  696.66
  627.15  687.19  658.82  686.35  912.22  682.99 1152.94  672.12 1311.31  666.38
    1400  663.71 2052.49  644.57 2305.88  641.88 2511.76   636.8 2635.29  632.29
 2964.71  626.35 3064.71  622.12 3114.71  617.26 3164.71  606.91 3264.71  606.91
 3332.94     630 3377.97  636.46 3456.76  639.44 3558.07  640.28 3580.59  640.94
 3704.41  657.35 3738.18  657.35 3828.24  664.34 3890.15  667.32 3918.29  669.51
 4013.97  673.56  4278.5  686.98 4447.35  707.46 4571.18     728 4638.72  737.02
 4818.82  740.73

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2964.71     .15 3332.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2964.71 3332.94             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.55    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       278377.80   53158.14   116588.10
  E.G. Slope (ft/ft)      0.000106    Area (sq ft)            278377.80   53158.14   116588.10
  Q Total (cfs)           944490.80    Flow (cfs)             581992.50   147504.90   214993.40
  Top Width (ft)           4818.82    Top Width (ft)          2964.71     368.23    1485.88
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)           2.09       2.77       1.84
  Max Chl Dpth (ft)         153.64    Hydr. Depth (ft)          93.90     144.36      78.46
  Conv. Total (cfs)       91928370.0    Conv. (cfs)            56646000.0   14356820.0   20925550.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        2990.12     373.42    1511.74
  Min Ch El (ft)            606.91    Shear (lb/sq ft)           0.61       0.94       0.51
  Alpha                       1.05    Stream Power (lb/ft s)     1.28       2.60       0.94
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    160034.00   25799.79   97240.24
  C & E Loss (ft)             0.00    Cum SA (acres)           1402.57     156.23     903.75


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22115.7*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.22  123.77  727.87  247.55  714.55  342.76  707.43   495.1  696.62
  628.39  687.15  660.13  686.29  914.03  682.87 1155.23  672.03 1313.91  666.32
 1402.78  663.66 2056.56  644.64 2310.46  641.96 2516.75  636.83 2640.52  632.27
 2970.59  626.29 3070.59   622.1 3120.59  617.22 3170.59  606.89 3270.59  606.89
 3339.12     630 3384.06  636.47 3462.72  639.54 3563.85  640.44 3586.32  641.12
 3709.93  657.79 3743.64  657.79 3833.53  664.72 3895.33  667.62 3923.42  669.79
 4018.93   673.8 4282.99  687.16 4451.54  707.48 4575.15     728 4642.57  736.97
 4822.35  740.74

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2970.59     .15 3339.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2970.59 3339.12             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.55    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       278983.50   53210.09   116144.50
  E.G. Slope (ft/ft)      0.000105    Area (sq ft)            278983.50   53210.09   116144.50
  Q Total (cfs)           944490.80    Flow (cfs)             583094.20   147606.30   213790.40
  Top Width (ft)           4822.35    Top Width (ft)          2970.59     368.53    1483.23
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)           2.09       2.77       1.84
  Max Chl Dpth (ft)         153.66    Hydr. Depth (ft)          93.92     144.38      78.31
  Conv. Total (cfs)       91967790.0    Conv. (cfs)            56777560.0   14372850.0   20817380.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        2995.97     373.70    1509.09
  Min Ch El (ft)            606.89    Shear (lb/sq ft)           0.61       0.94       0.51
  Alpha                       1.05    Stream Power (lb/ft s)     1.28       2.60       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    159970.10   25787.60   97213.58
  C & E Loss (ft)             0.00    Cum SA (acres)           1401.89     156.15     903.41


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22105.7*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.26  124.02  727.89  248.04   714.5  343.44  707.39  496.08  696.57
  629.64   687.1  661.44  686.24  915.84  682.76 1157.52  671.94 1316.52  666.26
 1405.56  663.62 2060.63  644.71 2315.03  642.03 2521.73  636.86 2645.75  632.25
 2976.47  626.24 3076.47  622.08 3126.47  617.18 3176.47  606.87 3276.47  606.87
 3345.29     630 3390.16  636.48 3468.68  639.63 3569.63  640.61 3592.06  641.29
 3715.44  658.24 3749.09  658.24 3838.82  665.09 3900.51  667.93 3928.56  670.07
  4023.9  674.05 4287.49  687.33 4455.74  707.51 4579.12     728 4646.42  736.92
 4825.88  740.75

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2976.47     .15 3345.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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       2976.47 3345.29             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.55    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       279583.90   53260.11   115702.40
  E.G. Slope (ft/ft)      0.000105    Area (sq ft)            279583.90   53260.11   115702.40
  Q Total (cfs)           944490.80    Flow (cfs)             584189.60   147704.10   212597.10
  Top Width (ft)           4825.88    Top Width (ft)           2976.47     368.82    1480.59
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.09       2.77       1.84
  Max Chl Dpth (ft)         153.68    Hydr. Depth (ft)           93.93     144.41      78.15
  Conv. Total (cfs)       92005280.0    Conv. (cfs)            56907410.0   14388240.0   20709630.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3001.81     373.98    1506.44
  Min Ch El (ft)            606.87    Shear (lb/sq ft)            0.61       0.94       0.51
  Alpha                       1.05    Stream Power (lb/ft s)      1.28       2.60       0.93
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    159906.20   25775.40   97187.02
  C & E Loss (ft)             0.00    Cum SA (acres)           1401.21     156.06     903.07


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22095.7*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.29  124.26  727.91  248.53  714.46  344.12  707.35  497.06  696.53
  630.88  687.06  662.75  686.18  917.65  682.65  1159.8  671.84 1319.12  666.21
 1408.33  663.58 2064.71  644.79 2319.61  642.11 2526.72  636.89 2650.98  632.23
 2982.35  626.18 3082.35  622.06 3132.35  617.13 3182.35  606.85 3282.35  606.85
 3351.47     630 3396.26  636.49 3474.63  639.73  3575.4  640.78 3597.79  641.47
 3720.96  658.68 3754.55  658.68 3844.12  665.47  3905.7  668.23 3933.69  670.35
 4028.86  674.29 4291.98  687.51 4459.93  707.53 4583.09     728 4650.27  736.87
 4829.41  740.76

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2982.35     .15 3351.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2982.35 3351.47             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.55    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       280178.90   53312.52   115260.00
  E.G. Slope (ft/ft)      0.000105    Area (sq ft)            280178.90   53312.52   115260.00
  Q Total (cfs)           944490.80    Flow (cfs)             585270.40   147812.40   211408.10
  Top Width (ft)           4829.41    Top Width (ft)           2982.35     369.12    1477.94
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.09       2.77       1.83
  Max Chl Dpth (ft)         153.70    Hydr. Depth (ft)           93.95     144.43      77.99
  Conv. Total (cfs)       92041860.0    Conv. (cfs)            57035360.0   14404510.0   20601990.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3007.66     374.27    1503.79
  Min Ch El (ft)            606.85    Shear (lb/sq ft)            0.61       0.94       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.28       2.60       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    159842.00   25763.19   97160.55
  C & E Loss (ft)             0.00    Cum SA (acres)           1400.52     155.98     902.73


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22085.7*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.33  124.51  727.93  249.02  714.42   344.8  707.31  498.04  696.49
  632.13  687.01  664.05  686.12  919.46  682.53 1162.09  671.75 1321.72  666.15
 1411.11  663.53 2068.78  644.86 2324.18  642.18  2531.7  636.92 2656.21  632.21
 2988.24  626.12 3088.24  622.04 3138.24  617.09 3188.24  606.84 3288.24  606.84
 3357.65     630 3402.35  636.49 3480.59  639.83 3581.18  640.94 3603.53  641.65
 3726.47  659.12    3760  659.12 3849.41  665.85 3910.88  668.53 3938.82  670.64
 4033.82  674.54 4296.47  687.69 4464.12  707.55 4587.06     728 4654.12  736.82
 4832.94  740.78

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2988.24     .15 3357.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2988.24 3357.65             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.55    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       280787.80   53361.45   114816.20
  E.G. Slope (ft/ft)      0.000105    Area (sq ft)            280787.80   53361.45   114816.20
  Q Total (cfs)           944490.80    Flow (cfs)             586377.60   147902.80   210210.40
  Top Width (ft)           4832.94    Top Width (ft)           2988.24     369.41    1475.29
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.09       2.77       1.83
  Max Chl Dpth (ft)         153.71    Hydr. Depth (ft)           93.96     144.45      77.83
  Conv. Total (cfs)       92081650.0    Conv. (cfs)            57167960.0   14419550.0   20494130.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3013.51     374.54    1501.13
  Min Ch El (ft)            606.84    Shear (lb/sq ft)            0.61       0.94       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.28       2.59       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    159777.80   25750.97   97134.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1399.84     155.89     902.39
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22075.7*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.36  124.75  727.95  249.51  714.38  345.48  707.27  499.02  696.44
  633.37  686.97  665.36  686.06  921.27  682.42 1164.38  671.66 1324.32  666.09
 1413.89  663.49 2072.85  644.93 2328.76  642.26 2536.68  636.95 2661.44  632.19
 2994.12  626.06 3094.12  622.02 3144.12  617.04 3194.12  606.82 3294.12  606.82
 3363.82     630 3408.45   636.5 3486.54  639.93 3586.95  641.11 3609.26  641.82
 3731.99  659.56 3765.45  659.56 3854.71  666.22 3916.07  668.83 3943.96  670.92
 4038.79  674.78 4300.96  687.86 4468.31  707.58 4591.03     728 4657.97  736.78
 4836.47  740.79

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2994.12     .15 3363.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2994.12 3363.82             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.55    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       281388.40   53412.49   114377.70
  E.G. Slope (ft/ft)      0.000105    Area (sq ft)            281388.40   53412.49   114377.70
  Q Total (cfs)           944490.80    Flow (cfs)             587458.60   148002.50   209029.80
  Top Width (ft)           4836.47    Top Width (ft)          2994.12     369.70    1472.65
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)           2.09       2.77       1.83
  Max Chl Dpth (ft)         153.73    Hydr. Depth (ft)           93.98     144.48      77.67
  Conv. Total (cfs)       92120960.0    Conv. (cfs)            57297800.0   14435430.0   20387730.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3019.36     374.82    1498.50
  Min Ch El (ft)            606.82    Shear (lb/sq ft)           0.61       0.94       0.50
  Alpha                       1.05    Stream Power (lb/ft s)     1.28       2.59       0.92
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    159713.40   25738.74   97107.94
  C & E Loss (ft)             0.00    Cum SA (acres)           1399.15     155.81     902.05


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22065.8*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   738.4     125  727.97     250  714.33  346.15  707.23     500   696.4
  634.62  686.92  666.67     686  923.08  682.31 1166.67  671.56 1326.92  666.03
 1416.67  663.45 2076.92  645.01 2333.33  642.33 2541.67  636.98 2666.67  632.17
    3000     626    3100     622    3150     617    3200   606.8    3300   606.8
    3370     630 3414.55  636.51  3492.5  640.03 3592.73  641.27    3615     642
  3737.5     660 3770.91     660    3860   666.6 3921.25  669.14 3949.09   671.2
 4043.75  675.03 4305.45  688.04  4472.5   707.6    4595     728 4661.82  736.73
    4840   740.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3000     .15    3370     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3000    3370             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.55    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       281988.80   53464.46   113936.20
  E.G. Slope (ft/ft)      0.000105    Area (sq ft)            281988.80   53464.46   113936.20
  Q Total (cfs)           944490.80    Flow (cfs)             588542.10   148104.50   207844.20
  Top Width (ft)           4840.00    Top Width (ft)          3000.00     370.00    1470.00
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)           2.09       2.77       1.82
  Max Chl Dpth (ft)         153.75    Hydr. Depth (ft)           94.00     144.50      77.51
  Conv. Total (cfs)       92159730.0    Conv. (cfs)            57427640.0   14451460.0   20280620.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3025.20     375.10    1495.85
  Min Ch El (ft)            606.80    Shear (lb/sq ft)           0.61       0.93       0.50
  Alpha                       1.05    Stream Power (lb/ft s)     1.28       2.59       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    159648.80   25726.50   97081.78
  C & E Loss (ft)             0.00    Cum SA (acres)           1398.47     155.73     901.71


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22055.8*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.44  125.25  727.99  250.49  714.29  346.83  707.19  500.98  696.36
  635.86  686.88  667.97  685.94  924.89  682.19 1168.95  671.47 1329.52  665.97
 1419.44   663.4    2081  645.08 2337.91  642.41 2546.65  637.01  2671.9  632.15
 3005.88  625.94 3105.88  621.98 3155.88  616.96 3205.88  606.78 3305.88  606.78
 3376.18     630 3420.64  636.52 3498.46  640.12  3598.5  641.44 3620.74  642.18
 3743.01  660.44 3776.36  660.44 3865.29  666.98 3926.43  669.44 3954.22  671.48
 4048.71  675.27 4309.95  688.22 4476.69  707.62 4598.97     728 4665.67  736.68
```

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 4843.53  740.81

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3005.88     .15 3376.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3005.88 3376.18             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.55    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       282593.90   53516.42   113498.10
  E.G. Slope (ft/ft)      0.000105    Area (sq ft)            282593.90   53516.42   113498.10
  Q Total (cfs)           944490.80    Flow (cfs)             589624.10   148202.00   206664.70
  Top Width (ft)           4843.53    Top Width (ft)           3005.88     370.30    1467.35
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.09       2.77       1.82
  Max Chl Dpth (ft)         153.77    Hydr. Depth (ft)           94.01     144.52      77.35
  Conv. Total (cfs)       92201220.0    Conv. (cfs)            57559120.0   14467490.0   20174610.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3031.04     375.39    1493.21
  Min Ch El (ft)            606.78    Shear (lb/sq ft)            0.61       0.93       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.27       2.59       0.91
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    159584.20   25714.24   97055.73
  C & E Loss (ft)             0.00    Cum SA (acres)           1397.78     155.64     901.38


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22045.8*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.47  125.49  728.01  250.98  714.25  347.51  707.15  501.96  696.31
   637.1  686.83  669.28  685.88   926.7  682.08 1171.24  671.37 1332.13  665.91
 1422.22  663.36 2085.07  645.15 2342.48  642.48 2551.63  637.04 2677.12  632.12
 3011.76  625.88 3111.76  621.96 3161.76  616.91 3211.76  606.76 3311.76  606.76
 3382.35     630 3426.74  636.52 3504.41  640.22 3604.28   641.6 3626.47  642.35
 3748.53  660.88 3781.82  660.88 3870.59  667.35 3931.62  669.74 3959.36  671.76
 4053.68  675.51 4314.44   688.4 4480.88  707.65 4602.94     728 4669.52  736.63
 4847.06  740.82

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3011.76     .15 3382.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3011.76 3382.35             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.55    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       283202.60   53567.47   113062.40
  E.G. Slope (ft/ft)      0.000105    Area (sq ft)            283202.60   53567.47   113062.40
  Q Total (cfs)           944490.80    Flow (cfs)             590705.60   148295.20   205490.00
  Top Width (ft)           4847.06    Top Width (ft)           3011.76     370.59    1464.71
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.09       2.77       1.82
  Max Chl Dpth (ft)         153.79    Hydr. Depth (ft)           94.03     144.55      77.19
  Conv. Total (cfs)       92244400.0    Conv. (cfs)            57691700.0   14483360.0   20069340.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3036.89     375.67    1490.57
  Min Ch El (ft)            606.76    Shear (lb/sq ft)            0.61       0.93       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.27       2.58       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    159519.30   25701.97   97029.77
  C & E Loss (ft)             0.00    Cum SA (acres)           1397.09     155.56     901.04


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22035.8*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.51  125.47  728.03  251.47  714.21  348.19  707.11  502.94  696.27
  638.35  686.79  670.59  685.82  928.51  681.97 1173.53  671.28 1334.73  665.86
    1425  663.32 2089.14  645.23 2347.06  642.56 2556.62  637.07 2682.35   632.1
 3017.65  625.82 3117.65  621.94 3167.65  616.87 3217.65  606.75 3317.65  606.75
 3388.53     630 3432.83  636.53 3510.37  640.32 3610.05  641.77 3632.21  642.53
 3754.04  661.32 3787.27  661.32 3875.88  667.73  3936.8  670.05 3964.49  672.05
 4058.64  675.76 4318.93  688.57 4485.07  707.67 4606.91     728 4673.37  736.58
 4850.59  740.84

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3017.65     .15 3388.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3017.65 3388.53             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.54    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       283797.10   53616.43   112623.40
  E.G. Slope (ft/ft)      0.000105    Area (sq ft)            283797.10   53616.43   112623.40
  Q Total (cfs)           944490.80    Flow (cfs)             591777.80   148390.10   204323.00
  Top Width (ft)           4850.59    Top Width (ft)           3017.65     370.88    1462.06
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.09       2.77       1.81
  Max Chl Dpth (ft)         153.79    Hydr. Depth (ft)           94.05     144.57      77.03
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  Conv. Total (cfs)       92281160.0    Conv. (cfs)             57819450.0   14498410.0   19963310.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3042.74     375.94    1487.92
  Min Ch El (ft)            606.75    Shear (lb/sq ft)            0.61       0.93       0.50
  Alpha                       1.05    Stream Power (lb/ft s)      1.27       2.58       0.90
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    159454.40   25689.69   97003.92
  C & E Loss (ft)             0.00    Cum SA (acres)           1396.40     155.47     900.71


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22025.8*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.54  125.98  728.05  251.96  714.16  348.87  707.07  503.92  696.23
  639.59  686.74   671.9  685.76  930.32  681.86 1175.82  671.19 1337.33   665.8
 1427.78  663.27 2093.21   645.3 2351.63  642.63  2561.6   637.1 2687.58  632.08
 3023.53  625.76 3123.53  621.92 3173.53  616.82 3223.53  606.73 3323.53  606.73
 3394.71     630 3438.93  636.54 3516.32  640.42 3615.83  641.94 3637.94  642.71
 3759.56  661.76 3792.73  661.76 3881.18  668.11 3941.99  670.35 3969.63  672.33
  4063.6     676 4323.42  688.75 4489.26  707.69 4610.88     728 4677.22  736.53
 4854.12  740.85

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3023.53     .15 3394.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3023.53 3394.71             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.54    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       284405.60   53668.91   112187.00
  E.G. Slope (ft/ft)      0.000105    Area (sq ft)            284405.60   53668.91   112187.00
  Q Total (cfs)           944490.80    Flow (cfs)             592854.10   148486.70   203150.00
  Top Width (ft)           4854.12    Top Width (ft)          3023.53     371.18    1459.41
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)           2.08       2.77       1.81
  Max Chl Dpth (ft)         153.81    Hydr. Depth (ft)           94.06     144.59      76.87
  Conv. Total (cfs)       92324670.0    Conv. (cfs)            57951930.0   14514690.0   19858060.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3048.59     376.23    1485.28
  Min Ch El (ft)            606.73    Shear (lb/sq ft)            0.61       0.93       0.49
  Alpha                       1.05    Stream Power (lb/ft s)      1.27       2.58       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    159389.30   25677.40   96978.17
  C & E Loss (ft)             0.00    Cum SA (acres)           1395.71     155.39     900.37


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22015.8*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.58  126.23  728.07  252.45  714.12  349.55  707.03   504.9  696.18
  640.84   686.7   673.2  685.71  932.13  681.74  1178.1  671.09 1339.93  665.74
 1430.56  663.23 2097.28  645.38 2356.21  642.71 2566.58  637.13 2692.81  632.06
 3029.41  625.71 3129.41   621.9 3179.41  616.78 3229.41  606.71 3329.41  606.71
 3400.88     630 3445.03  636.55 3522.28  640.51  3621.6   642.1 3643.68  642.88
 3765.07  662.21 3798.18  662.21 3886.47  668.48 3947.17  670.65 3974.76  672.61
 4068.57  676.25 4327.91  688.93 4493.46  707.72 4614.85     728 4681.07  736.49
 4857.65  740.86

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3029.41     .15 3400.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3029.41 3400.88             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.61    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.54    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       285003.40   53718.96   111750.00
  E.G. Slope (ft/ft)      0.000105    Area (sq ft)            285003.40   53718.96   111750.00
  Q Total (cfs)           944490.80    Flow (cfs)             593923.30   148581.50   201986.10
  Top Width (ft)           4857.65    Top Width (ft)          3029.41     371.47    1456.77
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)           2.08       2.77       1.81
  Max Chl Dpth (ft)         153.83    Hydr. Depth (ft)           94.08     144.61      76.71
  Conv. Total (cfs)       92363630.0    Conv. (cfs)            58080940.0   14530080.0   19752620.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3054.43     376.51    1482.65
  Min Ch El (ft)            606.71    Shear (lb/sq ft)            0.61       0.93       0.49
  Alpha                       1.05    Stream Power (lb/ft s)      1.27       2.58       0.89
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    159324.10   25665.10   96952.52
  C & E Loss (ft)             0.00    Cum SA (acres)           1395.01     155.30     900.04


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22005.8*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
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       0  738.61  126.47  728.09  252.94  714.08  350.23  706.99  505.88  696.14
  642.08  686.65  674.51  685.65  933.94  681.63 1180.39     671 1342.53  665.68
 1433.33  663.18 2101.36  645.45 2360.78  642.78 2571.57  637.16 2698.04  632.04
 3035.29  625.65 3135.29  621.88 3185.29  616.74 3235.29  606.69 3335.29  606.69
 3407.06     630 3451.12  636.55 3528.24  640.61 3627.38  642.27 3649.41  643.06
 3770.59  662.65 3803.64  662.65 3891.76  668.86 3952.35  670.95 3979.89  672.89
 4073.53  676.49 4332.41   689.1 4497.65  707.74 4618.82     728 4684.92  736.44
 4861.18  740.87

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3035.29     .15 3407.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3035.29 3407.06             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.61    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.54    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       285611.00   53770.98   111318.00
  E.G. Slope (ft/ft)      0.000104    Area (sq ft)            285611.00   53770.98   111318.00
  Q Total (cfs)           944490.80    Flow (cfs)             594988.60   148673.90   200828.30
  Top Width (ft)           4861.18    Top Width (ft)           3035.29     371.77    1454.12
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.08       2.76       1.80
  Max Chl Dpth (ft)         153.85    Hydr. Depth (ft)           94.10     144.64      76.55
  Conv. Total (cfs)       92408140.0    Conv. (cfs)            58213160.0   14546120.0   19648860.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3060.28     376.80    1480.01
  Min Ch El (ft)            606.69    Shear (lb/sq ft)            0.61       0.93       0.49
  Alpha                       1.05    Stream Power (lb/ft s)      1.27       2.57       0.88
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    159258.70   25652.79   96926.96
  C & E Loss (ft)             0.00    Cum SA (acres)           1394.32     155.22     899.70


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21995.8*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.65  126.72  728.11  253.43  714.04   350.9  706.95  506.86   696.1
  643.33  686.61  675.82  685.59  935.75  681.52 1182.68  670.91 1345.14  665.62
 1436.11  663.14 2105.43  645.52 2365.36  642.86 2576.55  637.19 2703.27  632.02
 3041.18  625.59 3141.18  621.86 3191.18  616.69 3241.18  606.68 3341.18  606.68
 3413.24     630 3457.22  636.56 3534.19  640.71 3633.16  642.43 3655.15  643.24
  3776.1  663.09 3809.09  663.09 3897.06  669.24 3957.54  671.26 3985.03  673.18
 4078.49  676.74  4336.9  689.28 4501.84  707.76 4622.79     728 4688.77  736.39
 4864.71  740.88

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3041.18     .15 3413.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3041.18 3413.24             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.61    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.54    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       286212.40   53820.48   110881.90
  E.G. Slope (ft/ft)      0.000104    Area (sq ft)            286212.40   53820.48   110881.90
  Q Total (cfs)           944490.80    Flow (cfs)             596057.00   148765.00   199668.70
  Top Width (ft)           4864.71    Top Width (ft)           3041.18     372.06    1451.47
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.08       2.76       1.80
  Max Chl Dpth (ft)         153.86    Hydr. Depth (ft)           94.11     144.66      76.39
  Conv. Total (cfs)       92448620.0    Conv. (cfs)            58343240.0   14561410.0   19543970.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3066.14     377.07    1477.37
  Min Ch El (ft)            606.68    Shear (lb/sq ft)            0.61       0.93       0.49
  Alpha                       1.05    Stream Power (lb/ft s)      1.27       2.57       0.88
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    159193.20   25640.46   96901.51
  C & E Loss (ft)             0.00    Cum SA (acres)           1393.62     155.13     899.37


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21985.8*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.68  126.96  728.13  253.92  713.99  351.58   706.9  507.84  696.05
  644.57  686.56  677.12  685.53  937.56   681.4 1184.97  670.81 1347.74  665.56
 1438.89   663.1  2109.5   645.6 2369.93  642.93 2581.54  637.22  2708.5     632
 3047.06  625.53 3147.06  621.84 3197.06  616.65 3247.06  606.66 3347.06  606.66
 3419.41     630 3463.32  636.57 3540.15  640.81 3638.93   642.6 3660.88  643.41
 3781.62  663.53 3814.55  663.53 3902.35  669.61 3962.72  671.56 3990.16  673.46
 4083.46  676.98 4341.39  689.46 4506.03  707.79 4626.76     728 4692.62  736.34
 4868.24  740.89

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3047.06     .15 3419.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3047.06 3419.41             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.61    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
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  W.S. Elev (ft)            760.54    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       286820.50   53871.04   110450.20
  E.G. Slope (ft/ft)      0.000104    Area (sq ft)            286820.50   53871.04   110450.20
  Q Total (cfs)           944490.80    Flow (cfs)              597122.70   148853.20   198514.90
  Top Width (ft)           4868.24    Top Width (ft)           3047.06     372.35    1448.83
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.08       2.76       1.80
  Max Chl Dpth (ft)         153.88    Hydr. Depth (ft)           94.13     144.68      76.23
  Conv. Total (cfs)       92493020.0    Conv. (cfs)             58475620.0   14577040.0   19440370.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3071.99     377.35    1474.74
  Min Ch El (ft)            606.66    Shear (lb/sq ft)            0.61       0.93       0.49
  Alpha                       1.05    Stream Power (lb/ft s)      1.27       2.57       0.88
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    159127.60   25628.13   96876.16
  C & E Loss (ft)             0.00    Cum SA (acres)           1392.93     155.04     899.04


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21975.9*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.72  127.21  728.15  254.41  713.95  352.26  706.86  508.82  696.01
  645.81  686.52  678.43  685.47  939.37  681.29 1187.25  670.72 1350.34  665.51
 1441.67  663.05 2113.57  645.67 2374.51  643.01 2586.52  637.25 2713.73  631.98
 3052.94  625.47 3152.94  621.82 3202.94   616.6 3252.94  606.64 3352.94  606.64
 3425.59     630 3469.41  636.58  3546.1  640.91 3644.71  642.76 3666.62  643.59
 3787.13  663.97    3820  663.97 3907.65  669.99  3967.9  671.86 3995.29  673.74
 4088.42  677.23 4345.88  689.64 4510.22  707.81 4630.74     728 4696.47  736.29
 4871.76  740.91

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3052.94     .15 3425.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3052.94 3425.59             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.61    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.54    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       287423.60   53923.61   110015.70
  E.G. Slope (ft/ft)      0.000104    Area (sq ft)            287423.60   53923.61   110015.70
  Q Total (cfs)           944490.80    Flow (cfs)              598179.90   148950.30   197360.60
  Top Width (ft)           4871.76    Top Width (ft)           3052.94     372.65    1446.17
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.08       2.76       1.79
  Max Chl Dpth (ft)         153.90    Hydr. Depth (ft)           94.15     144.70      76.07
  Conv. Total (cfs)       92536080.0    Conv. (cfs)             58606420.0   14593340.0   19336320.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3077.83     377.63    1472.08
  Min Ch El (ft)            606.64    Shear (lb/sq ft)            0.61       0.93       0.49
  Alpha                       1.05    Stream Power (lb/ft s)      1.26       2.57       0.87
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    159061.80   25615.78   96850.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1392.23     154.96     898.71


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21965.9*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.75  127.45  728.17   254.9  713.91  352.94  706.82   509.8  695.97
  647.06  686.47  679.74  685.41  941.18  681.18 1189.54  670.62 1352.94  665.45
 1444.44  663.01 2117.65  645.74 2379.08  643.08  2591.5  637.28 2718.95  631.95
 3058.82  625.41 3158.82   621.8 3208.82  616.56 3258.82  606.62 3358.82  606.62
 3431.76     630 3475.51  636.58 3552.06     641 3650.48  642.93 3672.35  643.76
 3792.65  664.41 3825.45  664.41 3912.94  670.36 3973.09  672.16 4000.43  674.02
 4093.38  677.47 4350.37  689.81 4514.41  707.84 4634.71     728 4700.32  736.25
 4875.29  740.92

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3058.82     .15 3431.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3058.82 3431.76             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.61    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.54    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       288032.70   53974.20   109588.00
  E.G. Slope (ft/ft)      0.000104    Area (sq ft)            288032.70   53974.20   109588.00
  Q Total (cfs)           944490.80    Flow (cfs)              599236.00   149035.70   196219.10
  Top Width (ft)           4875.29    Top Width (ft)           3058.82     372.94    1443.53
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.08       2.76       1.79
  Max Chl Dpth (ft)         153.92    Hydr. Depth (ft)           94.16     144.73      75.92
  Conv. Total (cfs)       92582160.0    Conv. (cfs)             58739120.0   14608980.0   19234060.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3083.68     377.91    1469.46
  Min Ch El (ft)            606.62    Shear (lb/sq ft)            0.61       0.93       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.26       2.56       0.87
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    158995.90   25603.42   96825.74
  C & E Loss (ft)             0.00    Cum SA (acres)           1391.53     154.87     898.38


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21955.9*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.79   127.7  728.19  255.39  713.87  353.62  706.78  510.78  695.93
   648.3  686.43  681.05  685.35  942.99  681.06 1191.83  670.53 1355.54  665.39
 1447.22  662.97 2121.72  645.82 2383.66  643.16 2596.49   637.3 2724.18  631.93
 3064.71  625.35 3164.71  621.78 3214.71  616.51 3264.71  606.61 3364.71  606.61
 3437.94     630  3481.6  636.59 3558.01   641.1 3656.26   643.1 3678.09  643.94
 3798.16  664.85 3830.91  664.85 3918.24  670.74 3978.27  672.47 4005.56  674.31
 4098.35  677.72 4354.87  689.99  4518.6  707.86 4638.68     728 4704.17   736.2
 4878.82  740.93

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3064.71     .15 3437.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3064.71 3437.94             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.61    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.54    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       288634.40   54023.70   109154.90
  E.G. Slope (ft/ft)      0.000104    Area (sq ft)            288634.40   54023.70   109154.90
  Q Total (cfs)           944490.80    Flow (cfs)             600293.10   149124.30   195073.40
  Top Width (ft)           4878.82    Top Width (ft)           3064.71     373.23    1440.88
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.08       2.76       1.79
  Max Chl Dpth (ft)         153.93    Hydr. Depth (ft)           94.18     144.75      75.76
  Conv. Total (cfs)       92623990.0    Conv. (cfs)            58869340.0   14624270.0   19130390.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3089.53     378.19    1466.82
  Min Ch El (ft)            606.61    Shear (lb/sq ft)            0.61       0.93       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.26       2.56       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    158929.80   25591.05   96800.69
  C & E Loss (ft)             0.00    Cum SA (acres)           1390.83     154.79     898.05


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21945.9*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.82  127.94  728.21  255.88  713.82   354.3  706.74  511.76  695.88
  649.55  686.38  682.35  685.29   944.8  680.95 1194.12  670.44 1358.14  665.33
    1450  662.92 2125.79  645.89 2388.24  643.24 2601.47  637.33 2729.41  631.91
 3070.59  625.29 3170.59  621.76 3220.59  616.47 3270.59  606.59 3370.59  606.59
 3444.12     630  3487.7   636.6 3563.97   641.2 3662.03  643.26 3683.82  644.12
 3803.68  665.29 3836.36  665.29 3923.53  671.12 3983.46  672.77 4010.69  674.59
 4103.31  677.96 4359.36  690.17 4522.79  707.88 4642.65     728 4708.02  736.15
 4882.35  740.94

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3070.59     .15 3444.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3070.59 3444.12             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.61    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.54    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       289243.50   54075.74   108725.70
  E.G. Slope (ft/ft)      0.000104    Area (sq ft)            289243.50   54075.74   108725.70
  Q Total (cfs)           944490.80    Flow (cfs)             601345.70   149213.20   193932.00
  Top Width (ft)           4882.35    Top Width (ft)           3070.59     373.53    1438.23
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.08       2.76       1.78
  Max Chl Dpth (ft)         153.95    Hydr. Depth (ft)           94.20     144.77      75.60
  Conv. Total (cfs)       92670300.0    Conv. (cfs)            59002040.0   14640300.0   19027960.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3095.38     378.47    1464.19
  Min Ch El (ft)            606.59    Shear (lb/sq ft)            0.61       0.93       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.26       2.56       0.86
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    158863.60   25578.67   96775.73
  C & E Loss (ft)             0.00    Cum SA (acres)           1390.12     154.70     897.72


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21935.9*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.86  128.19  728.23  256.37  713.78  354.98   706.7  512.75  695.84
  650.79  686.33  683.66  685.24  946.61  680.84 1196.41  670.34 1360.75  665.27
 1452.78  662.88 2129.86  645.96 2392.81  643.31 2606.45  637.36 2734.64  631.89
 3076.47  625.24 3176.47  621.75 3226.47  616.43 3276.47  606.57 3376.47  606.57
 3450.29     630  3493.8  636.61 3569.93   641.3 3667.81  643.43 3689.56  644.29
 3809.19  665.74 3841.82  665.74 3928.82  671.49 3988.64  673.07 4015.83  674.87
 4108.27  678.21 4363.85  690.34 4526.99  707.91 4646.62     728 4711.87   736.1
 4885.88  740.95

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3076.47     .15 3450.29     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3076.47 3450.29             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.61    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.53    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       289846.70   54125.12   108297.30
  E.G. Slope (ft/ft)      0.000104    Area (sq ft)            289846.70   54125.12   108297.30
  Q Total (cfs)           944490.80    Flow (cfs)             602395.10   149296.20   192799.50
  Top Width (ft)           4885.88    Top Width (ft)          3076.47     373.82    1435.59
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)           2.08       2.76       1.78
  Max Chl Dpth (ft)         153.96    Hydr. Depth (ft)           94.21     144.79      75.44
  Conv. Total (cfs)       92714020.0    Conv. (cfs)            59132890.0   14655360.0   18925770.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        3101.22     378.76    1461.57
  Min Ch El (ft)            606.57    Shear (lb/sq ft)           0.61       0.93       0.48
  Alpha                       1.06    Stream Power (lb/ft s)     1.26       2.55       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    158797.30   25566.27   96750.87
  C & E Loss (ft)             0.00    Cum SA (acres)           1389.42     154.62     897.39


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21925.9*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.89  128.43  728.25  256.86  713.74  355.66  706.66  513.73   695.8
  652.04  686.29  684.97  685.18  948.42  680.72 1198.69  670.25 1363.35  665.21
 1455.56  662.84 2133.94  646.04 2397.39  643.39 2611.44  637.39 2739.87  631.87
 3082.35  625.18 3182.35  621.73 3232.35  616.38 3282.35  606.55 3382.35  606.55
 3456.47     630 3499.89  636.61 3575.88  641.39 3673.58  643.59 3695.29  644.47
 3814.71  666.18 3847.27  666.18 3934.12  671.87 3993.82  673.37 4020.96  675.15
 4113.24  678.45 4368.34  690.52 4531.18  707.93 4650.59     728 4715.72  736.05
 4889.41  740.96

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3082.35     .15 3456.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3082.35 3456.47             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.53    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       290446.70   54177.65   107871.30
  E.G. Slope (ft/ft)      0.000104    Area (sq ft)            290446.70   54177.65   107871.30
  Q Total (cfs)           944490.80    Flow (cfs)             603425.40   149390.20   191675.20
  Top Width (ft)           4889.41    Top Width (ft)          3082.35     374.12    1432.94
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)           2.08       2.76       1.78
  Max Chl Dpth (ft)         153.98    Hydr. Depth (ft)           94.23     144.81      75.28
  Conv. Total (cfs)       92758620.0    Conv. (cfs)            59262520.0   14671640.0   18824460.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        3107.08     379.04    1458.94
  Min Ch El (ft)            606.55    Shear (lb/sq ft)           0.61       0.93       0.48
  Alpha                       1.06    Stream Power (lb/ft s)     1.26       2.55       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    158730.80   25553.87   96726.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1388.71     154.53     897.06


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21915.9*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.93  128.68  728.27  257.35   713.7  356.33  706.62  514.71  695.75
  653.28  686.24  686.27  685.12  950.23  680.61 1200.98  670.16 1365.95  665.16
 1458.33  662.79 2138.01  646.11 2401.96  643.46 2616.42  637.42  2745.1  631.85
 3088.24  625.12 3188.24  621.71 3238.24  616.34 3288.24  606.54 3388.24  606.54
 3462.65     630 3505.99  636.62 3581.84  641.49 3679.36  643.76 3701.03  644.65
 3820.22  666.62 3852.73  666.62 3939.41  672.25 3999.01  673.68  4026.1  675.44
  4118.2   678.7 4372.83   690.7 4535.37  707.95 4654.56     728 4719.57  736.01
 4892.94  740.98

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3088.24     .15 3462.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3088.24 3462.65             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.53    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       291057.20   54226.66   107439.40
  E.G. Slope (ft/ft)      0.000104    Area (sq ft)            291057.20   54226.66   107439.40
  Q Total (cfs)           944490.80    Flow (cfs)             604486.10   149470.20   190534.50
  Top Width (ft)           4892.94    Top Width (ft)          3088.24     374.41    1430.29
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)           2.08       2.76       1.77
  Max Chl Dpth (ft)         153.99    Hydr. Depth (ft)           94.25     144.83      75.12
  Conv. Total (cfs)       92803940.0    Conv. (cfs)            59395700.0   14686670.0   18721570.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        3112.93     379.32    1456.30
  Min Ch El (ft)            606.54    Shear (lb/sq ft)           0.60       0.92       0.48
  Alpha                       1.06    Stream Power (lb/ft s)     1.26       2.55       0.85
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    158664.20   25541.45   96701.44
  C & E Loss (ft)             0.00    Cum SA (acres)           1388.01     154.45     896.73
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21905.9*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.96  128.92  728.29  257.84  713.65  357.01  706.58  515.69  695.71
  654.52   686.2  687.58  685.06  952.04   680.5 1203.27  670.06 1368.55   665.1
 1461.11  662.75 2142.08  646.19 2406.54  643.54 2621.41  637.45 2750.33  631.83
 3094.12  625.06 3194.12  621.69 3244.12  616.29 3294.12  606.52 3394.12  606.52
 3468.82     630 3512.09  636.63 3587.79  641.59 3685.13  643.93 3706.76  644.82
 3825.74  667.06 3858.18  667.06 3944.71  672.62 4004.19  673.98 4031.23  675.72
 4123.16  678.94 4377.33  690.87 4539.56  707.98 4658.53     728 4723.42  735.96
 4896.47  740.99

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3094.12     .15 3468.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3094.12 3468.82             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.53    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       291658.20   54277.80   107016.50
  E.G. Slope (ft/ft)      0.000103    Area (sq ft)            291658.20   54277.80   107016.50
  Q Total (cfs)           944490.80    Flow (cfs)             605511.80   149558.60   189420.40
  Top Width (ft)           4896.47    Top Width (ft)           3094.12     374.70    1427.65
  Vel Total (ft/s)            2.09    Avg. Vel. (ft/s)            2.08       2.76       1.77
  Max Chl Dpth (ft)         154.01    Hydr. Depth (ft)           94.26     144.86      74.96
  Conv. Total (cfs)       92849470.0    Conv. (cfs)            59525680.0   14702560.0   18621240.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3118.78     379.60    1453.68
  Min Ch El (ft)            606.52    Shear (lb/sq ft)            0.60       0.92       0.48
  Alpha                       1.06    Stream Power (lb/ft s)      1.25       2.55       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    158597.40   25529.02   96676.87
  C & E Loss (ft)             0.00    Cum SA (acres)           1387.30     154.36     896.40


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21896.*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     739  129.17  728.31  258.33  713.61  357.69  706.54  516.67  695.67
  655.77  686.15  688.89     685  953.85  680.38 1205.56  669.97 1371.15  665.04
 1463.89  662.71 2146.15  646.26 2411.11  643.61 2626.39  637.48 2755.56  631.81
    3100     625    3200  621.67    3250  616.25    3300   606.5    3400   606.5
    3475     630 3518.18  636.64 3593.75  641.69 3690.91  644.09  3712.5     645
 3831.25   667.5 3863.64   667.5    3950     673 4009.37  674.28 4036.36     676
 4128.12  679.19 4381.82  691.05 4543.75     708  4662.5     728 4727.27  735.91
    4900     741

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3100     .15    3475     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3100    3475             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.53    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       292266.00   54329.88   106589.80
  E.G. Slope (ft/ft)      0.000103    Area (sq ft)            292266.00   54329.88   106589.80
  Q Total (cfs)           944490.80    Flow (cfs)             606550.50   149645.70   188294.70
  Top Width (ft)           4900.00    Top Width (ft)           3100.00     375.00    1425.00
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.08       2.75       1.77
  Max Chl Dpth (ft)         154.03    Hydr. Depth (ft)           94.28     144.88      74.80
  Conv. Total (cfs)       92896660.0    Conv. (cfs)            59658090.0   14718600.0   18519970.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3124.62     379.89    1451.06
  Min Ch El (ft)            606.50    Shear (lb/sq ft)            0.60       0.92       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.25       2.54       0.84
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    158530.50   25516.58   96652.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1386.59     154.27     896.08


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21886.0*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.04  129.41  728.33  258.82  713.57  358.37   706.5  517.65  695.62
  657.01  686.11   690.2  684.94  955.66  680.27 1207.84  669.87 1373.76  664.98
 1466.67  662.66 2150.23  646.33 2415.69  643.69 2631.37  637.51 2760.78  631.78
 3105.88  624.94 3205.88  621.65 3255.88  616.21 3305.88  606.48 3405.88  606.48
 3481.18     630 3524.28  636.64 3599.71  641.79 3696.68  644.26 3718.24  645.18
 3836.76  667.94 3869.09  667.94 3955.29  673.38 4014.56  674.58  4041.5  676.28
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 4133.09  679.43 4386.31  691.23 4547.94  708.02 4666.47     728 4731.12  735.86
 4903.53  741.01

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3105.88     .15 3481.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3105.88 3481.18             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.53    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       292878.10   54381.95   106165.80
  E.G. Slope (ft/ft)      0.000103    Area (sq ft)            292878.10   54381.95   106165.80
  Q Total (cfs)           944490.80    Flow (cfs)             607587.60   149728.90   187174.30
  Top Width (ft)           4903.53    Top Width (ft)          3105.88     375.30    1422.35
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)           2.07       2.75       1.76
  Max Chl Dpth (ft)         154.05    Hydr. Depth (ft)           94.30     144.90      74.64
  Conv. Total (cfs)       92946190.0    Conv. (cfs)            59791960.0   14734640.0   18419590.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3130.47     380.17    1448.43
  Min Ch El (ft)            606.48    Shear (lb/sq ft)           0.60       0.92       0.47
  Alpha                       1.06    Stream Power (lb/ft s)     1.25       2.54       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    158463.50   25504.13   96628.02
  C & E Loss (ft)             0.00    Cum SA (acres)           1385.88     154.19     895.75


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21876.0*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.07  129.66  728.35  259.31  713.53  359.05  706.46  518.63  695.58
  658.26  686.06   691.5  684.88  957.47  680.16 1210.13  669.78 1376.36  664.92
 1469.44  662.62  2154.3  646.41 2420.26  643.76 2636.36  637.54 2766.01  631.76
 3111.76  624.88 3211.76  621.63 3261.76  616.16 3311.76  606.46 3411.76  606.46
 3487.35     630 3530.37  636.65 3605.66  641.88 3702.46  644.42 3723.97  645.35
 3842.28  668.38 3874.55  668.38 3960.59  673.75 4019.74  674.89 4046.63  676.56
 4138.05  679.68  4390.8  691.41 4552.13  708.05 4670.44     728 4734.97  735.81
 4907.06  741.02

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3111.76     .15 3487.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3111.76 3487.35             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.53    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       293479.70   54433.11   105742.50
  E.G. Slope (ft/ft)      0.000103    Area (sq ft)            293479.70   54433.11   105742.50
  Q Total (cfs)           944490.80    Flow (cfs)             608610.10   149816.40   186064.30
  Top Width (ft)           4907.06    Top Width (ft)          3111.76     375.59    1419.71
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)           2.07       2.75       1.76
  Max Chl Dpth (ft)         154.07    Hydr. Depth (ft)           94.31     144.93      74.48
  Conv. Total (cfs)       92992100.0    Conv. (cfs)            59922160.0   14750540.0   18319410.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3136.32     380.45    1445.82
  Min Ch El (ft)            606.46    Shear (lb/sq ft)           0.60       0.92       0.47
  Alpha                       1.06    Stream Power (lb/ft s)     1.25       2.54       0.83
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    158396.30   25491.66   96603.75
  C & E Loss (ft)             0.00    Cum SA (acres)           1385.17     154.10     895.42


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21866.0*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.11   129.9  728.37   259.8  713.48  359.73  706.42  519.61  695.54
   659.5  686.02  692.81  684.82  959.28  680.05 1212.42  669.69 1378.96  664.86
 1472.22  662.57 2158.37  646.48 2424.84  643.84 2641.34  637.57 2771.24  631.74
 3117.65  624.82 3217.65  621.61 3267.65  616.12 3317.65  606.45 3417.65  606.45
 3493.53     630 3536.47  636.66 3611.62  641.98 3708.24  644.59 3729.71  645.53
 3847.79  668.82    3880  668.82 3965.88  674.13 4024.93  675.19 4051.76  676.85
 4143.01  679.92 4395.29  691.58 4556.32  708.07 4674.41     728 4738.82  735.76
 4910.59  741.04

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3117.65     .15 3493.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3117.65 3493.53             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.53    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       294088.80   54482.14   105320.20
  E.G. Slope (ft/ft)      0.000103    Area (sq ft)            294088.80   54482.14   105320.20
  Q Total (cfs)           944490.80    Flow (cfs)             609642.80   149891.70   184956.40
  Top Width (ft)           4910.59    Top Width (ft)          3117.65     375.88    1417.06
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)           2.07       2.75       1.76
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  Max Chl Dpth (ft)         154.08    Hydr. Depth (ft)           94.33     144.95      74.32
  Conv. Total (cfs)       93040150.0    Conv. (cfs)            60054850.0   14765570.0   18219730.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3142.17     380.73    1443.18
  Min Ch El (ft)            606.45    Shear (lb/sq ft)            0.60       0.92       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.25       2.53       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    158329.00   25479.18   96579.57
  C & E Loss (ft)             0.00    Cum SA (acres)           1384.45     154.02     895.10


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21856.0*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.14  130.15  728.39  260.29  713.44  360.41  706.38  520.59  695.49
  660.75  685.97  694.12  684.76  961.09  679.93 1214.71  669.59 1381.56   664.8
    1475  662.53 2162.44  646.55 2429.41  643.91 2646.32   637.6 2776.47  631.72
 3123.53  624.76 3223.53  621.59 3273.53  616.07 3323.53  606.43 3423.53  606.43
 3499.71     630 3542.57  636.67 3617.57  642.08 3714.01  644.75 3735.44  645.71
 3853.31  669.26 3885.45  669.26 3971.18  674.51 4030.11  675.49  4056.9  677.13
 4147.98  680.17 4399.79  691.76 4560.51  708.09 4678.38     728 4742.67  735.72
 4914.12  741.05

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3123.53     .15 3499.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3123.53 3499.71             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.53    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       294701.60   54534.70   104895.90
  E.G. Slope (ft/ft)      0.000103    Area (sq ft)            294701.60   54534.70   104895.90
  Q Total (cfs)           944490.80    Flow (cfs)             610674.50   149976.10   183840.10
  Top Width (ft)           4914.12    Top Width (ft)           3123.53     376.18    1414.41
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.07       2.75       1.75
  Max Chl Dpth (ft)         154.10    Hydr. Depth (ft)           94.35     144.97      74.16
  Conv. Total (cfs)       93090250.0    Conv. (cfs)            60188880.0   14781850.0   18119520.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3148.02     381.02    1440.56
  Min Ch El (ft)            606.43    Shear (lb/sq ft)            0.60       0.92       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.25       2.53       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    158261.60   25466.70   96555.49
  C & E Loss (ft)             0.00    Cum SA (acres)           1383.74     153.93     894.77


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21846.0*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.18  130.39  728.41  260.78   713.4  361.09  706.33  521.57  695.45
  661.99  685.93  695.42  684.71   962.9  679.82 1216.99   669.5 1384.16  664.75
 1477.78  662.49 2166.52  646.63 2433.99  643.99 2651.31  637.63  2781.7   631.7
 3129.41  624.71 3229.41  621.57 3279.41  616.03 3329.41  606.41 3429.41  606.41
 3505.88     630 3548.66  636.67 3623.53  642.18 3719.79  644.92 3741.18  645.88
 3858.82  669.71 3890.91  669.71 3976.47  674.88 4035.29  675.79 4062.03  677.41
 4152.94  680.41 4404.28  691.94 4564.71  708.12 4682.35     728 4746.52  735.67
 4917.65  741.06

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3129.41     .15 3505.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3129.41 3505.88             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.53    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       295296.60   54584.88   104475.40
  E.G. Slope (ft/ft)      0.000103    Area (sq ft)            295296.60   54584.88   104475.40
  Q Total (cfs)           944490.80    Flow (cfs)             611682.60   150061.10   182747.10
  Top Width (ft)           4917.65    Top Width (ft)           3129.41     376.47    1411.77
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.07       2.75       1.75
  Max Chl Dpth (ft)         154.12    Hydr. Depth (ft)           94.36     144.99      74.00
  Conv. Total (cfs)       93134560.0    Conv. (cfs)            60316930.0   14797260.0   18020370.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3153.87     381.30    1437.95
  Min Ch El (ft)            606.41    Shear (lb/sq ft)            0.60       0.92       0.47
  Alpha                       1.06    Stream Power (lb/ft s)      1.25       2.53       0.82
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    158194.00   25454.20   96531.51
  C & E Loss (ft)             0.00    Cum SA (acres)           1383.02     153.84     894.45


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21836.0*

INPUT
Description:
Station Elevation Data    num=      36
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.21  130.64  728.43  261.27  713.36  361.76  706.29  522.55  695.41
  663.24  685.88  696.73  684.65  964.71  679.71 1219.28  669.41 1386.76  664.69
 1480.56  662.44 2170.59   646.7 2438.56  644.06 2656.29  637.66 2786.93  631.68
 3135.29  624.65 3235.29  621.55 3285.29  615.99 3335.29  606.39 3435.29  606.39
 3512.06     630 3554.76  636.68 3629.48  642.27 3725.56  645.09 3746.91  646.06
 3864.34  670.15 3896.36  670.15 3981.76  675.26 4040.48   676.1 4067.17  677.69
  4157.9  680.66 4408.77  692.11  4568.9  708.14 4686.32     728 4750.37  735.62
 4921.18  741.07

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3135.29     .15 3512.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3135.29 3512.06             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.52    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       295907.70   54636.98   104055.60
  E.G. Slope (ft/ft)      0.000103    Area (sq ft)            295907.70   54636.98   104055.60
  Q Total (cfs)           944490.80    Flow (cfs)             612701.80   150142.00   181647.00
  Top Width (ft)           4921.18    Top Width (ft)          3135.29     376.77    1409.12
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)           2.07       2.75       1.75
  Max Chl Dpth (ft)         154.13    Hydr. Depth (ft)           94.38     145.01      73.84
  Conv. Total (cfs)       93185300.0    Conv. (cfs)            60450350.0   14813300.0   17921640.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        3159.72     381.59    1435.33
  Min Ch El (ft)            606.39    Shear (lb/sq ft)           0.60       0.92       0.46
  Alpha                       1.06    Stream Power (lb/ft s)     1.24       2.52       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   158126.30   25441.68   96507.62
  C & E Loss (ft)             0.00    Cum SA (acres)          1382.30     153.76     894.13

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21826.0*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.25  130.88  728.45  261.76  713.31  362.44  706.25  523.53  695.36
  664.48  685.84  698.04  684.59  966.52  679.59 1221.57  669.31 1389.37  664.63
 1483.33   662.4 2174.66  646.77 2443.14  644.14 2661.27  637.69 2792.16  631.66
 3141.18  624.59 3241.18  621.53 3291.18  615.94 3341.18  606.38 3441.18  606.38
 3518.23     630 3560.86  636.69 3635.44  642.37 3731.34  645.25 3752.65  646.24
 3869.85  670.59 3901.82  670.59 3987.06  675.64 4045.66   676.4  4072.3  677.98
 4162.87   680.9 4413.26  692.29 4573.09  708.16 4690.29     728 4754.22  735.57
 4924.71  741.08

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3141.18     .15 3518.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3141.18 3518.23             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.52    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       296519.80   54685.10   103637.40
  E.G. Slope (ft/ft)      0.000103    Area (sq ft)            296519.80   54685.10   103637.40
  Q Total (cfs)           944490.80    Flow (cfs)             613726.00   150211.70   180553.20
  Top Width (ft)           4924.71    Top Width (ft)          3141.18     377.05    1406.48
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)           2.07       2.75       1.74
  Max Chl Dpth (ft)         154.14    Hydr. Depth (ft)           94.40     145.03      73.69
  Conv. Total (cfs)       93235650.0    Conv. (cfs)            60584120.0   14828180.0   17823350.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        3165.57     381.85    1432.73
  Min Ch El (ft)            606.38    Shear (lb/sq ft)           0.60       0.92       0.46
  Alpha                       1.06    Stream Power (lb/ft s)     1.24       2.52       0.81
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   158058.40   25429.16   96483.83
  C & E Loss (ft)             0.00    Cum SA (acres)          1381.58     153.67     893.81

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21816.1*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.28  131.13  728.47  262.25  713.27  363.12  706.21  524.51  695.32
  665.72  685.79  699.35  684.53  968.33  679.48 1223.86  669.22 1391.97  664.57
 1486.11  662.36 2178.73  646.85 2447.71  644.21 2666.26  637.72 2797.39  631.64
 3147.06  624.53 3247.06  621.51 3297.06   615.9 3347.06  606.36 3447.06  606.36
 3524.41     630 3566.95   636.7  3641.4  642.47 3737.11  645.42 3758.38  646.41
 3875.37  671.03 3907.27  671.03 3992.35  676.01 4050.85   676.7 4077.43  678.26
 4167.83  681.15 4417.75  692.47 4577.28  708.19 4694.26     728 4758.07  735.52
 4928.23  741.09

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3147.06     .15 3524.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3147.06 3524.41             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.59    Element                   Left OB    Channel   Right OB
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  Vel Head (ft)              0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           760.52    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                     Flow Area (sq ft)       297122.60   54737.18   103216.70
  E.G. Slope (ft/ft)     0.000103    Area (sq ft)            297122.60   54737.18   103216.70
  Q Total (cfs)          944490.80    Flow (cfs)              614733.30   150297.00   179460.50
  Top Width (ft)          4928.23    Top Width (ft)           3147.06     377.35    1403.82
  Vel Total (ft/s)           2.08    Avg. Vel. (ft/s)            2.07       2.75       1.74
  Max Chl Dpth (ft)        154.16    Hydr. Depth (ft)           94.41     145.06      73.53
  Conv. Total (cfs)      93283490.0    Conv. (cfs)            60714690.0   14844220.0   17724580.0
  Length Wtd. (ft)           9.98    Wetted Per. (ft)         3171.42     382.14    1430.10
  Min Ch El (ft)           606.36    Shear (lb/sq ft)            0.60       0.92       0.46
  Alpha                      1.06    Stream Power (lb/ft s)      1.24       2.52       0.80
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    157990.40   25416.63   96460.13
  C & E Loss (ft)            0.00    Cum SA (acres)           1380.86     153.58     893.48


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21806.1*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.32  131.37  728.48  262.75  713.23   363.8  706.17  525.49  695.28
  666.97  685.75  700.65  684.47  970.14  679.37 1226.14  669.12 1394.57  664.51
 1488.89  662.31 2182.81  646.92 2452.29  644.29 2671.24  637.75 2802.61  631.61
 3152.94  624.47 3252.94  621.49 3302.94  615.85 3352.94  606.34 3452.94  606.34
 3530.59     630 3573.05   636.7 3647.35  642.57 3742.89  645.58 3764.12  646.59
 3880.88  671.47 3912.73  671.47 3997.65  676.39 4056.03     677 4082.57  678.54
 4172.79  681.39 4422.25  692.65 4581.47  708.21 4698.23     728 4761.92  735.48
 4931.76  741.11

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3152.94     .15 3530.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3152.94 3530.59             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           760.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           760.52    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                     Flow Area (sq ft)       297736.10   54789.83   102798.10
  E.G. Slope (ft/ft)     0.000102    Area (sq ft)            297736.10   54789.83   102798.10
  Q Total (cfs)          944490.80    Flow (cfs)              615746.60   150377.20   178367.00
  Top Width (ft)          4931.76    Top Width (ft)           3152.94     377.65    1401.17
  Vel Total (ft/s)           2.07    Avg. Vel. (ft/s)            2.07       2.74       1.74
  Max Chl Dpth (ft)        154.18    Hydr. Depth (ft)           94.43     145.08      73.37
  Conv. Total (cfs)      93336100.0    Conv. (cfs)            60849060.0   14860520.0   17626510.0
  Length Wtd. (ft)           9.98    Wetted Per. (ft)         3177.27     382.43    1427.48
  Min Ch El (ft)           606.34    Shear (lb/sq ft)            0.60       0.92       0.46
  Alpha                      1.06    Stream Power (lb/ft s)      1.24       2.51       0.80
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    157922.30   25404.08   96436.53
  C & E Loss (ft)            0.00    Cum SA (acres)           1380.14     153.50     893.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21796.1*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.35  131.62   728.5  263.24  713.19  364.48  706.13  526.47  695.24
  668.21   685.7  701.96  684.41  971.95  679.25 1228.43  669.03 1397.17  664.45
 1491.67  662.27 2186.88     647 2456.86  644.36 2676.23  637.78 2807.84  631.59
 3158.82  624.41 3258.82  621.47 3308.82  615.81 3358.82  606.32 3458.82  606.32
 3536.76     630 3579.14  636.71 3653.31  642.67 3748.66  645.75 3769.85  646.76
  3886.4  671.91 3918.18  671.91 4002.94  676.76 4061.21  677.31  4087.7  678.82
 4177.76  681.64 4426.74  692.82 4585.66  708.24 4702.21     728 4765.77  735.43
 4935.29  741.12

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3158.82     .15 3536.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3158.82 3536.76             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           760.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           760.52    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                     Flow Area (sq ft)       298341.70   54840.50   102382.30
  E.G. Slope (ft/ft)     0.000102    Area (sq ft)            298341.70   54840.50   102382.30
  Q Total (cfs)          944490.80    Flow (cfs)              616748.30   150455.10   177287.40
  Top Width (ft)          4935.29    Top Width (ft)           3158.82     377.94    1398.53
  Vel Total (ft/s)           2.07    Avg. Vel. (ft/s)            2.07       2.74       1.73
  Max Chl Dpth (ft)        154.20    Hydr. Depth (ft)           94.45     145.10      73.21
  Conv. Total (cfs)      93385980.0    Conv. (cfs)            60980630.0   14876160.0   17529190.0
  Length Wtd. (ft)           9.98    Wetted Per. (ft)         3183.12     382.71    1424.87
  Min Ch El (ft)           606.32    Shear (lb/sq ft)            0.60       0.92       0.46
  Alpha                      1.06    Stream Power (lb/ft s)      1.24       2.51       0.79
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    157854.00   25391.52   96413.02
  C & E Loss (ft)            0.00    Cum SA (acres)           1379.42     153.41     892.84


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21786.1*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.39  131.86  728.52  263.73  713.14  365.16  706.09  527.45  695.19
  669.46  685.66  703.27  684.35  973.76  679.14 1230.72  668.94 1399.77   664.4
 1494.44  662.23 2190.95  647.07 2461.44  644.44 2681.21  637.81 2813.07  631.57
 3164.71  624.35 3264.71  621.45 3314.71  615.76 3364.71  606.31 3464.71  606.31
 3542.94     630 3585.24  636.72 3659.26  642.76 3754.44  645.91 3775.59  646.94
 3891.91  672.35 3923.64  672.35 4008.23  677.14  4066.4  677.61 4092.83  679.11
 4182.72  681.88 4431.23     693 4589.85  708.26 4706.18     728 4769.63  735.38
 4938.82  741.13

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3164.71     .15 3542.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3164.71 3542.94             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.52    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       298948.60   54890.06   101967.00
  E.G. Slope (ft/ft)      0.000102    Area (sq ft)            298948.60   54890.06   101967.00
  Q Total (cfs)           944490.80    Flow (cfs)             617750.90   150528.60   176211.30
  Top Width (ft)           4938.82    Top Width (ft)           3164.71     378.23    1395.88
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)            2.07       2.74       1.73
  Max Chl Dpth (ft)         154.21    Hydr. Depth (ft)           94.46     145.12      73.05
  Conv. Total (cfs)       93436210.0    Conv. (cfs)            61112620.0   14891430.0   17432160.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3188.97     382.99    1422.26
  Min Ch El (ft)            606.31    Shear (lb/sq ft)            0.60       0.91       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      1.24       2.51       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    157785.50   25378.95   96389.62
  C & E Loss (ft)             0.00    Cum SA (acres)           1378.69     153.33     892.52

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21776.1*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.42  132.11  728.54  264.22   713.1  365.84  706.05  528.43  695.15
   670.7  685.61  704.58  684.29  975.57  679.03 1233.01  668.84 1402.38  664.34
 1497.22  662.18 2195.02  647.14 2466.01  644.51 2686.19  637.84  2818.3  631.55
 3170.59  624.29 3270.59  621.43 3320.59  615.72 3370.59  606.29 3470.59  606.29
 3549.12     630 3591.34  636.73 3665.22  642.86 3760.21  646.08 3781.32  647.12
 3897.43  672.79 3929.09  672.79 4013.53  677.52 4071.58  677.91 4097.97  679.39
 4187.68  682.13 4435.72  693.18 4594.04  708.28 4710.15     728 4773.48  735.33
 4942.35  741.14

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3170.59     .15 3549.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3170.59 3549.12             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.52    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       299563.00   54942.20   101549.90
  E.G. Slope (ft/ft)      0.000102    Area (sq ft)            299563.00   54942.20   101549.90
  Q Total (cfs)           944490.80    Flow (cfs)             618759.10   150605.10   175126.60
  Top Width (ft)           4942.35    Top Width (ft)           3170.59     378.53    1393.23
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)            2.07       2.74       1.72
  Max Chl Dpth (ft)         154.23    Hydr. Depth (ft)           94.48     145.15      72.89
  Conv. Total (cfs)       93489350.0    Conv. (cfs)            61247160.0   14907480.0   17334710.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3194.83     383.28    1419.65
  Min Ch El (ft)            606.29    Shear (lb/sq ft)            0.60       0.91       0.46
  Alpha                       1.06    Stream Power (lb/ft s)      1.23       2.50       0.79
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    157717.00   25366.37   96366.30
  C & E Loss (ft)             0.00    Cum SA (acres)           1377.97     153.24     892.20

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21766.1*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.46  132.35  728.56  264.71  713.06  366.52  706.01  529.41  695.11
  671.95  685.57  705.88  684.24  977.38  678.91 1235.29  668.75 1404.98  664.28
    1500  662.14 2199.09  647.22 2470.59  644.59 2691.18  637.87 2823.53  631.53
 3176.47  624.24 3276.47  621.41 3326.47  615.68 3376.47  606.27 3476.47  606.27
 3555.29     630 3597.43  636.73 3671.18  642.96 3765.99  646.25 3787.06  647.29
 3902.94  673.24 3934.55  673.24 4018.82  677.89 4076.76  678.21  4103.1  679.67
 4192.65  682.37 4440.21  693.35 4598.23  708.31 4714.12     728 4777.33  735.28
 4945.88  741.15

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3176.47     .15 3555.29     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3176.47 3555.29             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.52    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       300162.00   54992.40   101138.00
  E.G. Slope (ft/ft)      0.000102    Area (sq ft)            300162.00   54992.40   101138.00
  Q Total (cfs)           944490.80    Flow (cfs)             619742.90   150682.10   174065.80
  Top Width (ft)           4945.88    Top Width (ft)           3176.47     378.82    1390.59
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)            2.06       2.74       1.72
  Max Chl Dpth (ft)         154.25    Hydr. Depth (ft)           94.50     145.17      72.73
  Conv. Total (cfs)       93538220.0    Conv. (cfs)            61376610.0   14922890.0   17238720.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3200.67     383.56    1417.05
  Min Ch El (ft)            606.27    Shear (lb/sq ft)            0.60       0.91       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      1.23       2.50       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    157648.30   25353.77   96343.09
  C & E Loss (ft)             0.00    Cum SA (acres)           1377.24     153.15     891.88


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21756.1*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.49   132.6  728.58   265.2  713.02  367.19  705.97  530.39  695.06
  673.19  685.52  707.19  684.18  979.19   678.8 1237.58  668.66 1407.58  664.22
 1502.78  662.09 2203.17  647.29 2475.16  644.66 2696.16   637.9 2828.76  631.51
 3182.35  624.18 3282.35  621.39 3332.35  615.63 3382.35  606.25 3482.35  606.25
 3561.47     630 3603.53  636.74 3677.13  643.06 3771.76  646.41 3792.79  647.47
 3908.46  673.68    3940  673.68 4024.12  678.27 4081.95  678.52 4108.23  679.95
 4197.61  682.62 4444.71  693.53 4602.43  708.33 4718.09     728 4781.18  735.24
 4949.41  741.16

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3182.35     .15 3561.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3182.35 3561.47             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.52    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       300776.30   55045.01   100721.90
  E.G. Slope (ft/ft)      0.000102    Area (sq ft)            300776.30   55045.01   100721.90
  Q Total (cfs)           944490.80    Flow (cfs)             620744.10   150759.80   172986.90
  Top Width (ft)           4949.41    Top Width (ft)           3182.35     379.12    1387.94
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)            2.06       2.74       1.72
  Max Chl Dpth (ft)         154.27    Hydr. Depth (ft)           94.51     145.19      72.57
  Conv. Total (cfs)       93592010.0    Conv. (cfs)            61511120.0   14939170.0   17141710.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3206.52     383.85    1414.44
  Min Ch El (ft)            606.25    Shear (lb/sq ft)            0.60       0.91       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      1.23       2.50       0.78
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    157579.40   25341.17   96319.96
  C & E Loss (ft)             0.00    Cum SA (acres)           1376.51     153.06     891.56


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21746.1*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.53  132.84   728.6  265.69  712.97  367.87  705.93  531.37  695.02
  674.43  685.48   708.5  684.12     981  678.69 1239.87  668.56 1410.18  664.16
 1505.56  662.05 2207.24  647.36 2479.74  644.74 2701.14  637.93 2833.99  631.49
 3188.23  624.12 3288.23  621.37 3338.23  615.59 3388.23  606.24 3488.23  606.24
 3567.65     630 3609.63  636.75 3683.09  643.15 3777.54  646.58 3798.53  647.65
 3913.97  674.12 3945.45  674.12 4029.41  678.65 4087.13  678.82 4113.37  680.24
 4202.57  682.86  4449.2  693.71 4606.62  708.35 4722.06     728 4785.03  735.19
 4952.94  741.18

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3188.23     .15 3567.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3188.23 3567.65             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.52    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       301384.50   55095.51   100308.50
  E.G. Slope (ft/ft)      0.000102    Area (sq ft)            301384.50   55095.51   100308.50
  Q Total (cfs)           944490.80    Flow (cfs)             621737.00   150831.80   171922.00
  Top Width (ft)           4952.94    Top Width (ft)           3188.23     379.42    1385.29
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)            2.06       2.74       1.71
  Max Chl Dpth (ft)         154.28    Hydr. Depth (ft)           94.53     145.21      72.41
  Conv. Total (cfs)       93643940.0    Conv. (cfs)            61643690.0   14954600.0   17045640.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3212.37     384.14    1411.82
  Min Ch El (ft)            606.24    Shear (lb/sq ft)            0.60       0.91       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      1.23       2.49       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    157510.50   25328.55   96296.93
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  C & E Loss (ft)             0.00    Cum SA (acres)           1375.78     152.98     891.25

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21736.1*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.56  133.09  728.62  266.18  712.93  368.55  705.89  532.35  694.98
  675.68  685.43   709.8  684.06  982.81  678.57 1242.16  668.47 1412.78   664.1
 1508.33  662.01 2211.31  647.44 2484.31  644.81 2706.13  637.96 2839.22  631.47
 3194.12  624.06 3294.12  621.35 3344.12  615.54 3394.12  606.22 3494.12  606.22
 3573.82     630 3615.72  636.76 3689.04  643.25 3783.32  646.74 3804.26  647.82
 3919.48  674.56 3950.91  674.56 4034.71  679.02 4092.32  679.12  4118.5  680.52
 4207.54  683.11 4453.69  693.89 4610.81  708.38 4726.03     728 4788.88  735.14
 4956.47  741.19

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3194.12     .15 3573.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3194.12 3573.82             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.51    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       301992.70   55145.32   99896.53
  E.G. Slope (ft/ft)      0.000102    Area (sq ft)            301992.70   55145.32   99896.53
  Q Total (cfs)           944490.80    Flow (cfs)             622725.30   150904.20   170861.40
  Top Width (ft)           4956.47    Top Width (ft)          3194.12     379.70    1382.65
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)           2.06       2.74       1.71
  Max Chl Dpth (ft)         154.29    Hydr. Depth (ft)          94.55     145.23      72.25
  Conv. Total (cfs)       93696020.0    Conv. (cfs)            61776020.0   14970100.0   16949910.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        3218.23     384.41    1409.23
  Min Ch El (ft)            606.22    Shear (lb/sq ft)           0.60       0.91       0.45
  Alpha                       1.06    Stream Power (lb/ft s)     1.23       2.49       0.77
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    157441.30   25315.92   96273.99
  C & E Loss (ft)             0.00    Cum SA (acres)           1375.05     152.89     890.93

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21726.2*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   739.6  133.33  728.64  266.67  712.89  369.23  705.85  533.33  694.93
  676.92  685.38  711.11     684  984.62  678.46 1244.44  668.37 1415.38  664.05
 1511.11  661.96 2215.38  647.51 2488.89  644.89 2711.11  637.99 2844.44  631.44
    3200     624    3300  621.33    3350   615.5    3400   606.2    3500   606.2
    3580     630 3621.82  636.76    3695  643.35 3789.09  646.91    3810     648
    3925     675 3956.36     675    4040   679.4  4097.5  679.42 4123.64   680.8
  4212.5  683.35 4458.18  694.06    4615   708.4    4730     728 4792.73  735.09
    4960   741.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3200     .15    3580     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3200    3580             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.58    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.51    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       302607.90   55197.46   99488.11
  E.G. Slope (ft/ft)      0.000101    Area (sq ft)            302607.90   55197.46   99488.11
  Q Total (cfs)           944490.80    Flow (cfs)             623709.90   150975.00   169806.00
  Top Width (ft)           4960.00    Top Width (ft)          3200.00     380.00    1380.00
  Vel Total (ft/s)            2.07    Avg. Vel. (ft/s)           2.06       2.74       1.71
  Max Chl Dpth (ft)         154.31    Hydr. Depth (ft)          94.56     145.26      72.09
  Conv. Total (cfs)       93752440.0    Conv. (cfs)            61910950.0   14986140.0   16855350.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        3224.08     384.70    1406.62
  Min Ch El (ft)            606.20    Shear (lb/sq ft)           0.59       0.91       0.45
  Alpha                       1.06    Stream Power (lb/ft s)     1.23       2.49       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    157372.10   25303.28   96251.15
  C & E Loss (ft)             0.00    Cum SA (acres)           1374.32     152.80     890.61

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21716.2*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.64  133.58  728.66  267.16  712.85  369.91  705.81  534.31  694.89
  678.17  685.34  712.42  683.94  986.43  678.35 1246.73  668.28 1417.99  663.99
 1513.89  661.92 2219.46  647.58 2493.46  644.96 2716.09  638.02 2849.67  631.42
 3205.88  623.94 3305.88  621.31 3355.88  615.46 3405.88  606.18 3505.88  606.18
 3586.18     630 3627.91  636.77 3700.96  643.45 3794.87  647.07 3815.73  648.18
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 3930.51  675.44 3961.82  675.44 4045.29  679.78 4102.68  679.73 4128.77  681.08
 4217.46  683.59 4462.67  694.24 4619.19  708.42 4733.97     728 4796.58  735.04
 4963.53  741.21

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3205.88     .15 3586.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3205.88 3586.18             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.58    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.51    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       303215.60   55249.63   99077.76
  E.G. Slope (ft/ft)      0.000101    Area (sq ft)            303215.60   55249.63   99077.76
  Q Total (cfs)           944490.80    Flow (cfs)             624687.80   151050.50   168752.50
  Top Width (ft)           4963.53    Top Width (ft)           3205.88     380.30    1377.35
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.06       2.73       1.70
  Max Chl Dpth (ft)         154.33    Hydr. Depth (ft)           94.58     145.28      71.93
  Conv. Total (cfs)       93805890.0    Conv. (cfs)            62043360.0   15002190.0   16760330.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3229.92     384.99    1404.02
  Min Ch El (ft)            606.18    Shear (lb/sq ft)            0.59       0.91       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      1.22       2.48       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    157302.70   25290.63   96228.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1373.59     152.72     890.30


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21706.2*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.67  133.82  728.68  267.65   712.8  370.59  705.76  535.29  694.85
  679.41  685.29  713.73  683.88  988.24  678.24 1249.02  668.19 1420.59  663.93
 1516.67  661.88 2223.53  647.66 2498.04  645.04 2721.08  638.05  2854.9   631.4
 3211.76  623.88 3311.76  621.29 3361.76  615.41 3411.76  606.16 3511.76  606.16
 3592.35     630 3634.01  636.78 3706.91  643.55 3800.64  647.24 3821.47  648.35
 3936.03  675.88 3967.27  675.88 4050.59  680.15 4107.87  680.03  4133.9  681.36
 4222.43  683.84 4467.17  694.42 4623.38  708.45 4737.94     728 4800.43  734.99
 4967.06  741.22

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3211.76     .15 3592.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3211.76 3592.35             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.58    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.51    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       303820.50   55300.88   98668.16
  E.G. Slope (ft/ft)      0.000101    Area (sq ft)            303820.50   55300.88   98668.16
  Q Total (cfs)           944490.80    Flow (cfs)             625660.30   151126.20   167704.30
  Top Width (ft)           4967.06    Top Width (ft)           3211.76     380.59    1374.71
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.06       2.73       1.70
  Max Chl Dpth (ft)         154.35    Hydr. Depth (ft)           94.60     145.30      71.77
  Conv. Total (cfs)       93858290.0    Conv. (cfs)            62174670.0   15018090.0   16665530.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3235.77     385.27    1401.43
  Min Ch El (ft)            606.16    Shear (lb/sq ft)            0.59       0.91       0.45
  Alpha                       1.06    Stream Power (lb/ft s)      1.22       2.48       0.76
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    157233.10   25277.96   96205.74
  C & E Loss (ft)             0.00    Cum SA (acres)           1372.85     152.63     889.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21696.2*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.71  134.07   728.7  268.14  712.76  371.27  705.72  536.27   694.8
  680.66  685.25  715.03  683.82  990.05  678.12 1251.31  668.09 1423.19  663.87
 1519.44  661.83  2227.6  647.73 2502.61  645.11 2726.06  638.07 2860.13  631.38
 3217.65  623.82 3317.65  621.27 3367.65  615.37 3417.65  606.15 3517.65  606.15
 3598.53     630 3640.11  636.79 3712.87  643.64 3806.42  647.41 3827.21  648.53
 3941.54  676.32 3972.73  676.32 4055.88  680.53 4113.05  680.33 4139.04  681.65
 4227.39  684.08 4471.66  694.59 4627.57  708.47 4741.91     728 4804.28  734.95
 4970.59  741.24

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3217.65     .15 3598.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3217.65 3598.53             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.58    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.51    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       304442.30   55349.96   98259.86
  E.G. Slope (ft/ft)      0.000101    Area (sq ft)            304442.30   55349.96   98259.86
  Q Total (cfs)           944490.80    Flow (cfs)             626653.30   151184.10   166653.50
  Top Width (ft)           4970.59    Top Width (ft)           3217.65     380.88    1372.06
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  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.06       2.73       1.70
  Max Chl Dpth (ft)         154.36    Hydr. Depth (ft)           94.62     145.32      71.61
  Conv. Total (cfs)       93916220.0    Conv. (cfs)            62311780.0   15033110.0   16571330.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3241.63     385.55    1398.82
  Min Ch El (ft)            606.15    Shear (lb/sq ft)            0.59       0.91       0.44
  Alpha                       1.06    Stream Power (lb/ft s)      1.22       2.48       0.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    157163.50   25265.29   96183.18
  C & E Loss (ft)             0.00    Cum SA (acres)           1372.11     152.54     889.67


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21686.2*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.74  134.31  728.72  268.63  712.72  371.95  705.68  537.25  694.76
   681.9   685.2  716.34  683.76  991.86  678.01 1253.59     668 1425.79  663.81
 1522.22  661.79 2231.67   647.8 2507.19  645.19 2731.05   638.1 2865.36  631.36
 3223.53  623.76 3323.53  621.25 3373.53  615.32 3423.53  606.13 3523.53  606.13
 3604.71     630  3646.2  636.79 3718.82  643.74 3812.19  647.57 3832.94  648.71
 3947.06  676.76 3978.18  676.76 4061.18  680.91 4118.23  680.64 4144.17  681.93
 4232.35  684.33 4476.15  694.77 4631.76  708.49 4745.88     728 4808.13   734.9
 4974.12  741.25

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3223.53     .15 3604.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3223.53 3604.71             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.58    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.51    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       305050.00   55402.61   97851.01
  E.G. Slope (ft/ft)      0.000101    Area (sq ft)            305050.00   55402.61   97851.01
  Q Total (cfs)           944490.80    Flow (cfs)             627621.20   151260.50   165609.10
  Top Width (ft)           4974.12    Top Width (ft)           3223.53     381.18    1369.41
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.06       2.73       1.69
  Max Chl Dpth (ft)         154.38    Hydr. Depth (ft)           94.63     145.35      71.45
  Conv. Total (cfs)       93970460.0    Conv. (cfs)            62444070.0   15049400.0   16476990.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3247.48     385.84    1396.22
  Min Ch El (ft)            606.13    Shear (lb/sq ft)            0.59       0.91       0.44
  Alpha                       1.06    Stream Power (lb/ft s)      1.22       2.47       0.75
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    157093.60   25252.60   96160.71
  C & E Loss (ft)             0.00    Cum SA (acres)           1371.38     152.46     889.35


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21676.2*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.78  134.56  728.74  269.12  712.68  372.62  705.64  538.24  694.72
  683.14  685.16  717.65  683.71  993.66   677.9 1255.88  667.91 1428.39  663.75
    1525  661.75 2235.75  647.88 2511.76  645.26 2736.03  638.13 2870.59  631.34
 3229.41  623.71 3329.41  621.24 3379.41  615.28 3429.41  606.11 3529.41  606.11
 3610.88     630  3652.3   636.8 3724.78  643.84 3817.97  647.74 3838.68  648.88
 3952.57  677.21 3983.64  677.21 4066.47  681.28 4123.42  680.94  4149.3  682.21
 4237.32  684.57 4480.64  694.95 4635.96  708.52 4749.85     728 4811.98  734.85
 4977.65  741.26

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3229.41     .15 3610.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3229.41 3610.88             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.58    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.51    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       305650.40   55452.11   97444.33
  E.G. Slope (ft/ft)      0.000101    Area (sq ft)            305650.40   55452.11   97444.33
  Q Total (cfs)           944490.80    Flow (cfs)             628584.30   151329.30   164577.20
  Top Width (ft)           4977.65    Top Width (ft)           3229.41     381.47    1366.77
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.06       2.73       1.69
  Max Chl Dpth (ft)         154.40    Hydr. Depth (ft)           94.65     145.36      71.30
  Conv. Total (cfs)       94021700.0    Conv. (cfs)            62573990.0   15064460.0   16383250.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3253.33     386.12    1393.63
  Min Ch El (ft)            606.11    Shear (lb/sq ft)            0.59       0.90       0.44
  Alpha                       1.06    Stream Power (lb/ft s)      1.22       2.47       0.74
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    157023.70   25239.90   96138.34
  C & E Loss (ft)             0.00    Cum SA (acres)           1370.64     152.37     889.04


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21666.2*

INPUT
Description:
```

```
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.81   134.8  728.76  269.61  712.63   373.3   705.6  539.22  694.67
  684.39  685.11  718.95  683.65  995.47  677.78 1258.17  667.81    1431   663.7
 1527.78   661.7 2239.82  647.95 2516.34  645.34 2741.01  638.16 2875.82  631.32
 3235.29  623.65 3335.29  621.22 3385.29  615.24 3435.29  606.09 3535.29  606.09
 3617.06     630  3658.4  636.81 3730.73  643.94 3823.74   647.9 3844.41  649.06
 3958.09  677.65 3989.09  677.65 4071.76  681.66  4128.6  681.24 4154.44  682.49
 4242.28  684.82 4485.13  695.12 4640.15  708.54 4753.82     728 4815.83   734.8
 4981.18  741.27

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3235.29     .15 3617.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3235.29 3617.06             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.58    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.51    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       306268.70   55504.30   97039.07
  E.G. Slope (ft/ft)      0.000101    Area (sq ft)            306268.70   55504.30   97039.07
  Q Total (cfs)           944490.80    Flow (cfs)             629555.80   151395.90   163539.10
  Top Width (ft)           4981.18    Top Width (ft)           3235.29     381.77    1364.12
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.06       2.73       1.69
  Max Chl Dpth (ft)         154.42    Hydr. Depth (ft)           94.66     145.39      71.14
  Conv. Total (cfs)       94080470.0    Conv. (cfs)            62709880.0   15080510.0   16290090.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3259.18     386.41    1391.03
  Min Ch El (ft)            606.09    Shear (lb/sq ft)            0.59       0.90       0.44
  Alpha                       1.06    Stream Power (lb/ft s)      1.22       2.47       0.74
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    156953.60   25227.19   96116.05
  C & E Loss (ft)             0.00    Cum SA (acres)           1369.90     152.28     888.73


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21656.2*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.85  135.05  728.78   270.1  712.59  373.98  705.56   540.2  694.63
  685.63  685.07  720.26  683.59  997.28  677.67 1260.46  667.72  1433.6  663.64
 1530.56  661.66 2243.89  648.03 2520.91  645.42    2746  638.19 2881.05   631.3
 3241.18  623.59 3341.18   621.2 3391.18  615.19 3441.18  606.08 3541.18  606.08
 3623.23     630 3664.49  636.82 3736.69  644.03 3829.52  648.07 3850.15  649.24
  3963.6  678.09 3994.55  678.09 4077.06  682.04 4133.79  681.54 4159.57  682.78
 4247.24  685.06 4489.62   695.3 4644.34  708.56 4757.79     728 4819.68  734.75
 4984.71  741.28

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3241.18     .15 3623.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3241.18 3623.23             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.58    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.51    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       306871.60   55552.48   96635.30
  E.G. Slope (ft/ft)      0.000101    Area (sq ft)            306871.60   55552.48   96635.30
  Q Total (cfs)           944490.80    Flow (cfs)             630513.60   151460.20   162517.00
  Top Width (ft)           4984.71    Top Width (ft)           3241.18     382.05    1361.48
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)            2.05       2.73       1.68
  Max Chl Dpth (ft)         154.43    Hydr. Depth (ft)           94.68     145.41      70.98
  Conv. Total (cfs)       94133250.0    Conv. (cfs)            62840520.0   15095370.0   16197360.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3265.04     386.68    1388.45
  Min Ch El (ft)            606.08    Shear (lb/sq ft)            0.59       0.90       0.44
  Alpha                       1.06    Stream Power (lb/ft s)      1.21       2.46       0.74
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    156883.40   25214.47   96093.87
  C & E Loss (ft)             0.00    Cum SA (acres)           1369.15     152.19     888.41


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21646.2*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.88  135.29   728.8  270.59  712.55  374.66  705.52  541.18  694.59
  686.88  685.02  721.57  683.53  999.09  677.56 1262.74  667.62  1436.2  663.58
 1533.33  661.62 2247.96   648.1 2525.49  645.49 2750.98  638.22 2886.27  631.27
 3247.06  623.53 3347.06  621.18 3397.06  615.15 3447.06  606.06 3547.06  606.06
 3629.41     630 3670.59  636.82 3742.65  644.13 3835.29  648.24 3855.88  649.41
 3969.12  678.53    4000  678.53 4082.35  682.41 4138.97  681.85 4164.71  683.06
 4252.21  685.31 4494.12  695.48 4648.53  708.59 4761.76     728 4823.53  734.71
 4988.23  741.29

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3247.06     .15 3629.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3247.06 3629.41             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
```

```
  E.G. Elev (ft)            760.58    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.51    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       307487.30   55604.64   96228.24
  E.G. Slope (ft/ft)      0.000101    Area (sq ft)            307487.30   55604.64   96228.24
  Q Total (cfs)           944490.80    Flow (cfs)             631481.60   151528.40   161480.80
  Top Width (ft)           4988.23    Top Width (ft)          3247.06     382.35    1358.82
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)           2.05       2.73       1.68
  Max Chl Dpth (ft)         154.45    Hydr. Depth (ft)          94.70     145.43      70.82
  Conv. Total (cfs)       94190920.0    Conv. (cfs)            62975560.0   15111420.0   16103940.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        3270.89     386.97    1385.84
  Min Ch El (ft)            606.06    Shear (lb/sq ft)           0.59       0.90       0.44
  Alpha                       1.06    Stream Power (lb/ft s)     1.21       2.46       0.73
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   156813.00   25201.73   96071.77
  C & E Loss (ft)             0.00    Cum SA (acres)          1368.41     152.11     888.10


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21636.3*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.92  135.54  728.82  271.08  712.51  375.34  705.48  542.16  694.55
  688.12  684.98  722.88  683.47  1000.9  677.44 1265.03  667.53  1438.8  663.52
 1536.11  661.57 2252.04  648.17 2530.06  645.57 2755.96  638.25  2891.5  631.25
 3252.94  623.47 3352.94  621.16 3402.94   615.1 3452.94  606.04 3552.94  606.04
 3635.59     630 3676.68  636.83  3748.6  644.23 3841.07   648.4 3861.62  649.59
 3974.63  678.97 4005.45  678.97 4087.65  682.79 4144.15  682.15 4169.84  683.34
 4257.17  685.55 4498.61  695.66 4652.72  708.61 4765.73     728 4827.38  734.66
 4991.76  741.31

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3252.94     .15 3635.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3252.94 3635.59             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.57    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.50    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       308101.00   55657.39   95824.30
  E.G. Slope (ft/ft)      0.000100    Area (sq ft)            308101.00   55657.39   95824.30
  Q Total (cfs)           944490.80    Flow (cfs)             632438.30   151598.10   160454.40
  Top Width (ft)           4991.76    Top Width (ft)          3252.94     382.65    1356.17
  Vel Total (ft/s)            2.06    Avg. Vel. (ft/s)           2.05       2.72       1.67
  Max Chl Dpth (ft)         154.47    Hydr. Depth (ft)          94.71     145.45      70.66
  Conv. Total (cfs)       94249210.0    Conv. (cfs)            63109990.0   15127730.0   16011490.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        3276.74     387.26    1383.24
  Min Ch El (ft)            606.04    Shear (lb/sq ft)           0.59       0.90       0.43
  Alpha                       1.06    Stream Power (lb/ft s)     1.21       2.45       0.73
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   156742.50   25188.99   96049.77
  C & E Loss (ft)             0.00    Cum SA (acres)          1367.67     152.02     887.79


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21626.3*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.95  135.78  728.84  271.57  712.46  376.02  705.44  543.14   694.5
  689.37  684.93  724.18  683.41 1002.71  677.33 1267.32  667.44  1441.4  663.46
 1538.89  661.53 2256.11  648.25 2534.64  645.64 2760.95  638.28 2896.73  631.23
 3258.82  623.41 3358.82  621.14 3408.82  615.06 3458.82  606.02 3558.82  606.02
 3641.76     630 3682.78  636.84 3754.56  644.33 3846.84  648.57 3867.35  649.76
 3980.15  679.41 4010.91  679.41 4092.94  683.16 4149.34  682.45 4174.97  683.62
 4262.13   685.8  4503.1  695.83 4656.91  708.64 4769.71     728 4831.23  734.61
 4995.29  741.32

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3258.82     .15 3641.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3258.82 3641.76             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.57    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.50    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       308710.00   55708.13   95423.34
  E.G. Slope (ft/ft)      0.000100    Area (sq ft)            308710.00   55708.13   95423.34
  Q Total (cfs)           944490.80    Flow (cfs)             633387.60   151663.60   159439.60
  Top Width (ft)           4995.29    Top Width (ft)          3258.82     382.94    1353.53
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)           2.05       2.72       1.67
  Max Chl Dpth (ft)         154.48    Hydr. Depth (ft)          94.73     145.47      70.50
  Conv. Total (cfs)       94305900.0    Conv. (cfs)            63242740.0   15143370.0   15919790.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        3282.59     387.54    1380.66
  Min Ch El (ft)            606.02    Shear (lb/sq ft)           0.59       0.90       0.43
  Alpha                       1.06    Stream Power (lb/ft s)     1.21       2.45       0.72
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   156671.80   25176.23   96027.87
  C & E Loss (ft)             0.00    Cum SA (acres)          1366.92     151.93     887.48


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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```
RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21616.3*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.99  136.03  728.86  272.06  712.42   376.7   705.4  544.12  694.46
  690.61  684.89  725.49  683.35 1004.52  677.22 1269.61  667.34    1444   663.4
 1541.67  661.48 2260.18  648.32 2539.22  645.72 2765.93  638.31 2901.96  631.21
 3264.71  623.35 3364.71  621.12 3414.71  615.01 3464.71  606.01 3564.71  606.01
 3647.94     630 3688.88  636.85 3760.51  644.43 3852.62  648.73 3873.09  649.94
 3985.66  679.85 4016.36  679.85 4098.23  683.54 4154.52  682.75 4180.11  683.91
  4267.1  686.04 4507.59  696.01  4661.1  708.66 4773.68     728 4835.08  734.56
 4998.82  741.33

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3264.71     .15 3647.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3264.71 3647.94             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.57    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.50    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       309324.90   55757.75   95021.50
  E.G. Slope (ft/ft)      0.000100    Area (sq ft)            309324.90   55757.75   95021.50
  Q Total (cfs)           944490.80    Flow (cfs)             634345.40   151722.80   158422.60
  Top Width (ft)           4998.82    Top Width (ft)           3264.71     383.23    1350.88
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)            2.05       2.72       1.67
  Max Chl Dpth (ft)         154.49    Hydr. Depth (ft)           94.75     145.49      70.34
  Conv. Total (cfs)       94364110.0    Conv. (cfs)            63377480.0   15158640.0   15828000.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3288.45     387.82    1378.07
  Min Ch El (ft)            606.01    Shear (lb/sq ft)            0.59       0.90       0.43
  Alpha                       1.06    Stream Power (lb/ft s)      1.21       2.45       0.72
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    156601.00   25163.46   96006.05
  C & E Loss (ft)             0.00    Cum SA (acres)           1366.17     151.84     887.17


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21606.3*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.02  136.27  728.88  272.55  712.38  377.38  705.36   545.1  694.42
  691.86  684.84   726.8  683.29 1006.33   677.1  1271.9  667.25 1446.61  663.35
 1544.44  661.44 2264.25  648.39 2543.79  645.79 2770.91  638.34 2907.19  631.19
 3270.59  623.29 3370.59   621.1 3420.59  614.97 3470.59  605.99 3570.59  605.99
 3654.12     630 3694.97  636.85 3766.47  644.52  3858.4   648.9 3878.82  650.12
 3991.18  680.29 4021.82  680.29 4103.53  683.92 4159.71  683.06 4185.24  684.19
 4272.06  686.29 4512.08  696.19 4665.29  708.68 4777.65     728 4838.93  734.51
 5002.35  741.34

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3270.59     .15 3654.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3270.59 3654.12             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.57    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.50    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       309938.10   55809.98   94619.74
  E.G. Slope (ft/ft)      0.000100    Area (sq ft)            309938.10   55809.98   94619.74
  Q Total (cfs)           944490.80    Flow (cfs)             635293.90   151789.30   157407.50
  Top Width (ft)           5002.35    Top Width (ft)           3270.59     383.53    1348.23
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)            2.05       2.72       1.66
  Max Chl Dpth (ft)         154.51    Hydr. Depth (ft)           94.77     145.52      70.18
  Conv. Total (cfs)       94422700.0    Conv. (cfs)            63511650.0   15174690.0   15736350.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3294.30     388.11    1375.48
  Min Ch El (ft)            605.99    Shear (lb/sq ft)            0.59       0.90       0.43
  Alpha                       1.06    Stream Power (lb/ft s)      1.20       2.44       0.71
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    156530.10   25150.68   95984.33
  C & E Loss (ft)             0.00    Cum SA (acres)           1365.43     151.75     886.86


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21596.3*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.06  136.52   728.9  273.04  712.34  378.05  705.32  546.08  694.37
   693.1   684.8   728.1  683.24 1008.14  676.99 1274.18  667.16 1449.21  663.29
 1547.22   661.4 2268.33  648.47 2548.37  645.87  2775.9  638.37 2912.42  631.17
 3276.47  623.24 3376.47  621.08 3426.47  614.93 3476.47  605.97 3576.47  605.97
 3660.29     630 3701.07  636.86 3772.43  644.62 3864.17  649.06 3884.56  650.29
 3996.69  680.74 4027.27  680.74 4108.82  684.29 4164.89  683.36 4190.37  684.47
 4277.02  686.53 4516.58  696.36 4669.48  708.71 4781.62     728 4842.78  734.47
 5005.88  741.35

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
```

```
       0     .15 3276.47     .15 3660.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3276.47 3660.29             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.57    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.50    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       310538.90   55860.27   94221.05
  E.G. Slope (ft/ft)      0.000100    Area (sq ft)            310538.90   55860.27   94221.05
  Q Total (cfs)           944490.80    Flow (cfs)             636226.80   151855.70   156408.30
  Top Width (ft)           5005.88    Top Width (ft)          3276.47     383.82    1345.59
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)           2.05       2.72       1.66
  Max Chl Dpth (ft)         154.53    Hydr. Depth (ft)          94.78     145.54      70.02
  Conv. Total (cfs)       94477380.0    Conv. (cfs)           63641740.0   15190120.0   15645510.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        3300.14     388.39    1372.91
  Min Ch El (ft)            605.97    Shear (lb/sq ft)           0.59       0.90       0.43
  Alpha                       1.06    Stream Power (lb/ft s)     1.20       2.44       0.71
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   156459.00   25137.89   95962.70
  C & E Loss (ft)             0.00    Cum SA (acres)          1364.68     151.67     886.55


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21586.3*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.09  136.76  728.92  273.53  712.29  378.73  705.28  547.06  694.33
  694.34  684.75  729.41  683.18 1009.95  676.88 1276.47  667.06 1451.81  663.23
    1550  661.35  2272.4  648.54 2552.94  645.94 2780.88   638.4 2917.65  631.15
 3282.35  623.18 3382.35  621.06 3432.35  614.88 3482.35  605.95 3582.35  605.95
 3666.47     630 3707.17  636.87 3778.38  644.72 3869.95  649.23 3890.29  650.47
 4002.21  681.18 4032.73  681.18 4114.12  684.67 4170.07  683.66 4195.51  684.75
 4281.98  686.78 4521.07  696.54 4673.68  708.73 4785.59     728 4846.63  734.42
 5009.41  741.36

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3282.35     .15 3666.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3282.35 3666.47             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.57    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.50    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       311158.60   55912.96   93820.26
  E.G. Slope (ft/ft)      0.000100    Area (sq ft)            311158.60   55912.96   93820.26
  Q Total (cfs)           944490.80    Flow (cfs)             637175.90   151919.70   155395.30
  Top Width (ft)           5009.41    Top Width (ft)          3282.35     384.12    1342.94
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)           2.05       2.72       1.66
  Max Chl Dpth (ft)         154.55    Hydr. Depth (ft)          94.80     145.56      69.86
  Conv. Total (cfs)       94538820.0    Conv. (cfs)           63778120.0   15206410.0   15554290.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        3306.00     388.68    1370.32
  Min Ch El (ft)            605.95    Shear (lb/sq ft)           0.59       0.90       0.43
  Alpha                       1.06    Stream Power (lb/ft s)     1.20       2.44       0.71
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   156387.80   25125.08   95941.16
  C & E Loss (ft)             0.00    Cum SA (acres)          1363.92     151.58     886.25


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21576.3*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.13  137.01  728.94  274.02  712.25  379.41  705.24  548.04  694.29
  695.59  684.71  730.72  683.12 1011.76  676.76 1278.76  666.97 1454.41  663.17
 1552.78  661.31 2276.47  648.61 2557.52  646.02 2785.87  638.43 2922.88  631.13
 3288.23  623.12 3388.23  621.04 3438.23  614.84 3488.23  605.94 3588.23  605.94
 3672.65     630 3713.26  636.88 3784.34  644.82 3875.72   649.4 3896.03  650.65
 4007.72  681.62 4038.18  681.62 4119.41  685.05 4175.26  683.96 4200.64  685.04
 4286.95  687.02 4525.56  696.72 4677.87  708.75 4789.56     728 4850.48  734.37
 5012.94  741.38

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3288.23     .15 3672.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3288.23 3672.65             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.57    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.50    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       311769.20   55963.52   93420.33
  E.G. Slope (ft/ft)      0.000100    Area (sq ft)            311769.20   55963.52   93420.33
  Q Total (cfs)           944490.80    Flow (cfs)             638117.30   151980.50   154393.00
  Top Width (ft)           5012.94    Top Width (ft)          3288.23     384.42    1340.29
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)           2.05       2.72       1.65
  Max Chl Dpth (ft)         154.56    Hydr. Depth (ft)          94.81     145.58      69.70
  Conv. Total (cfs)       94596820.0    Conv. (cfs)           63911540.0   15221820.0   15463450.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        3311.85     388.97    1367.73
  Min Ch El (ft)            605.94    Shear (lb/sq ft)           0.59       0.90       0.43
  Alpha                       1.06    Stream Power (lb/ft s)     1.20       2.43       0.70
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  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    156316.40   25112.27   95919.70
  C & E Loss (ft)            0.00    Cum SA (acres)           1363.17     151.49     885.94


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21566.3*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.16  137.25  728.96  274.51  712.21  380.09  705.19  549.02  694.24
  696.83  684.66  732.03  683.06 1013.57  676.65 1281.05  666.87 1457.01  663.11
 1555.56  661.27 2280.54  648.69 2562.09  646.09 2790.85  638.46  2928.1   631.1
 3294.12  623.06 3394.12  621.02 3444.12  614.79 3494.12  605.92 3594.12  605.92
 3678.82     630 3719.36  636.88 3790.29  644.91  3881.5  649.56 3901.76  650.82
 4013.23  682.06 4043.64  682.06 4124.71  685.42 4180.44  684.27 4205.77  685.32
 4291.91  687.27 4530.05   696.9 4682.06  708.78 4793.53     728 4854.33  734.32
 5016.47  741.39

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3294.12     .15 3678.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3294.12 3678.82             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.57    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.50    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       312385.80   56013.41   93023.65
  E.G. Slope (ft/ft)      0.000100    Area (sq ft)            312385.80   56013.41   93023.65
  Q Total (cfs)           944490.80    Flow (cfs)             639057.10   152037.70   153396.10
  Top Width (ft)           5016.47    Top Width (ft)           3294.12     384.70    1337.65
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)            2.05       2.71       1.65
  Max Chl Dpth (ft)         154.58    Hydr. Depth (ft)           94.83     145.60      69.54
  Conv. Total (cfs)       94657560.0    Conv. (cfs)            64046760.0   15237330.0   15373470.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3317.71     389.24    1365.15
  Min Ch El (ft)            605.92    Shear (lb/sq ft)            0.59       0.89       0.42
  Alpha                       1.06    Stream Power (lb/ft s)      1.20       2.43       0.70
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    156244.90   25099.44   95898.34
  C & E Loss (ft)             0.00    Cum SA (acres)           1362.42     151.40     885.63


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21556.4*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   740.2   137.5  728.98     275  712.17  380.77  705.15     550   694.2
  698.08  684.62  733.33     683 1015.38  676.54 1283.33  666.78 1459.62  663.05
 1558.33  661.22 2284.61  648.76 2566.67  646.17 2795.83  638.49 2933.33  631.08
    3300     623    3400     621    3450  614.75    3500   605.9    3600   605.9
    3685     630 3725.45  636.89 3796.25  645.01 3887.27  649.73  3907.5     651
 4018.75   682.5 4049.09   682.5    4130   685.8 4185.62  684.57 4210.91   685.6
 4296.87  687.51 4534.54  697.07 4686.25   708.8  4797.5     728 4858.18  734.27
    5020   741.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3300     .15    3685     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3300    3685             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.57    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.50    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       312998.70   56065.67   92628.95
  E.G. Slope (ft/ft)      0.000099    Area (sq ft)            312998.70   56065.67   92628.95
  Q Total (cfs)           944490.80    Flow (cfs)             639983.80   152100.10   152407.00
  Top Width (ft)           5020.00    Top Width (ft)           3300.00     385.00    1335.00
  Vel Total (ft/s)            2.05    Avg. Vel. (ft/s)            2.04       2.71       1.65
  Max Chl Dpth (ft)         154.60    Hydr. Depth (ft)           94.85     145.63      69.38
  Conv. Total (cfs)       94718530.0    Conv. (cfs)            64180950.0   15253400.0   15284180.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3323.56     389.54    1362.57
  Min Ch El (ft)            605.90    Shear (lb/sq ft)            0.58       0.89       0.42
  Alpha                       1.06    Stream Power (lb/ft s)      1.20       2.42       0.69
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    156173.30   25086.60   95877.08
  C & E Loss (ft)             0.00    Cum SA (acres)           1361.66     151.31     885.33


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21546.4*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.24  137.75     729  275.49  712.12  381.45  705.11  550.98  694.16
  699.32  684.57  734.64  682.94 1017.19  676.43 1285.62  666.69 1462.22     663
 1561.11  661.18 2288.69  648.84 2571.24  646.24 2800.82  638.52 2938.56  631.06
 3305.88  622.94 3405.88  620.98 3455.88  614.71 3505.88  605.88 3605.88  605.88
```

```
 3691.18     630 3731.55   636.9 3802.21  645.11 3893.05  649.89 3913.23  651.18
 4024.26  682.94 4054.54  682.94 4135.29  686.18 4190.81  684.87 4216.04  685.88
 4301.84  687.76 4539.04  697.25 4690.44  708.82 4801.47     728 4862.03  734.22
 5023.53  741.41

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3305.88     .15 3691.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3305.88 3691.18             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.57    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.50    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       313605.40   56117.92   92231.95
  E.G. Slope (ft/ft)      0.000099    Area (sq ft)            313605.40   56117.92   92231.95
  Q Total (cfs)           944490.80    Flow (cfs)             640906.30   152166.50   151418.00
  Top Width (ft)           5023.53    Top Width (ft)           3305.88     385.30    1332.35
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.04       2.71       1.64
  Max Chl Dpth (ft)         154.62    Hydr. Depth (ft)           94.86     145.65      69.23
  Conv. Total (cfs)       94776830.0    Conv. (cfs)            64313030.0   15269460.0   15194340.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3329.40     389.83    1359.99
  Min Ch El (ft)            605.88    Shear (lb/sq ft)            0.58       0.89       0.42
  Alpha                       1.06    Stream Power (lb/ft s)      1.19       2.42       0.69
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    156101.50   25073.75   95855.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1360.90     151.23     885.02


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21536.4*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.27  137.99  729.02  275.98  712.08  382.13  705.07  551.96  694.11
  700.57  684.52  735.95  682.88    1019  676.31 1287.91  666.59 1464.82  662.94
 1563.89  661.14 2292.76  648.91 2575.82  646.32  2805.8  638.55 2943.79  631.04
 3311.76  622.88 3411.76  620.96 3461.76  614.66 3511.76  605.86 3611.76  605.86
 3697.35     630 3737.65  636.91 3808.16  645.21 3898.82  650.06 3918.97  651.35
 4029.78  683.38    4060  683.38 4140.59  686.55 4195.99  685.17 4221.18  686.16
  4306.8     688 4543.53  697.43 4694.63  708.85 4805.44     728 4865.88  734.18
 5027.06  741.42

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3311.76     .15 3697.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3311.76 3697.35             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.56    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.50    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       314222.60   56169.27   91837.16
  E.G. Slope (ft/ft)      0.000099    Area (sq ft)            314222.60   56169.27   91837.16
  Q Total (cfs)           944490.80    Flow (cfs)             641835.60   152225.10   150430.00
  Top Width (ft)           5027.06    Top Width (ft)           3311.76     385.59    1329.71
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.04       2.71       1.64
  Max Chl Dpth (ft)         154.64    Hydr. Depth (ft)           94.88     145.67      69.07
  Conv. Total (cfs)       94839090.0    Conv. (cfs)            64448600.0   15285370.0   15105120.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3335.26     390.11    1357.43
  Min Ch El (ft)            605.86    Shear (lb/sq ft)            0.58       0.89       0.42
  Alpha                       1.06    Stream Power (lb/ft s)      1.19       2.42       0.69
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    156029.60   25060.88   95834.81
  C & E Loss (ft)             0.00    Cum SA (acres)           1360.15     151.14     884.72


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21526.4*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.31  138.24  729.04  276.47  712.04  382.81  705.03  552.94  694.07
  701.81  684.48  737.25  682.82 1020.81   676.2  1290.2   666.5 1467.42  662.88
 1566.67  661.09 2296.83  648.98 2580.39  646.39 2810.78  638.58 2949.02  631.02
 3317.65  622.82 3417.65  620.94 3467.65  614.62 3517.65  605.85 3617.65  605.85
 3703.53     630 3743.74  636.91 3814.12  645.31  3904.6  650.22 3924.71  651.53
 4035.29  683.82 4065.45  683.82 4145.88  686.93 4201.18  685.48 4226.31  686.45
 4311.76  688.25 4548.02   697.6 4698.82  708.87 4809.41     728 4869.73  734.13
 5030.59  741.44

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3317.65     .15 3703.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3317.65 3703.53             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.56    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.49    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       314839.90   56218.45   91442.57
  E.G. Slope (ft/ft)      0.000099    Area (sq ft)            314839.90   56218.45   91442.57
  Q Total (cfs)           944490.80    Flow (cfs)             642767.90   152275.80   149447.20
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  Top Width (ft)           5030.59    Top Width (ft)           3317.65     385.88    1327.06
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.04       2.71       1.63
  Max Chl Dpth (ft)         154.64    Hydr. Depth (ft)           94.90     145.69      68.91
  Conv. Total (cfs)       94900780.0    Conv. (cfs)            64584190.0   15300400.0   15016190.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3341.11     390.39    1354.84
  Min Ch El (ft)            605.85    Shear (lb/sq ft)            0.58       0.89       0.42
  Alpha                       1.07    Stream Power (lb/ft s)      1.19       2.41       0.68
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    155957.50   25048.01   95813.82
  C & E Loss (ft)             0.00    Cum SA (acres)           1359.39     151.05     884.41


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21516.4*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.34  138.48  729.06  276.96     712  383.48  704.99  553.92  694.03
  703.05  684.43  738.56  682.76 1022.62  676.09 1292.48  666.41 1470.02  662.82
 1569.44  661.05  2300.9  649.06 2584.97  646.47 2815.77  638.61 2954.25     631
 3323.53  622.76 3423.53  620.92 3473.53  614.57 3523.53  605.83 3623.53  605.83
 3709.71     630 3749.84  636.92 3820.07   645.4 3910.37  650.39 3930.44  651.71
 4040.81  684.26 4070.91  684.26 4151.18  687.31 4206.36  685.78 4231.44  686.73
 4316.73  688.49 4552.51  697.78 4703.01  708.89 4813.38     728 4873.58  734.08
 5034.12  741.45

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3323.53     .15 3709.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3323.53 3709.71             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.56    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.49    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       315446.20   56271.19   91049.98
  E.G. Slope (ft/ft)      0.000099    Area (sq ft)            315446.20   56271.19   91049.98
  Q Total (cfs)           944490.80    Flow (cfs)             643674.50   152342.10   148474.20
  Top Width (ft)           5034.12    Top Width (ft)           3323.53     386.18    1324.41
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.04       2.71       1.63
  Max Chl Dpth (ft)         154.66    Hydr. Depth (ft)           94.91     145.71      68.75
  Conv. Total (cfs)       94960530.0    Conv. (cfs)            64716000.0   15316700.0   14927820.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3346.97     390.68    1352.26
  Min Ch El (ft)            605.83    Shear (lb/sq ft)            0.58       0.89       0.42
  Alpha                       1.07    Stream Power (lb/ft s)      1.19       2.41       0.68
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    155885.30   25035.12   95792.91
  C & E Loss (ft)             0.00    Cum SA (acres)           1358.63     150.96     884.11


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21506.4*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.38  138.73  729.08  277.45  711.95  384.16  704.95   554.9  693.98
   704.3  684.39  739.87  682.71 1024.43  675.97 1294.77  666.31 1472.62  662.76
 1572.22  661.01 2304.98  649.13 2589.54  646.54 2820.75  638.64 2959.48  630.98
 3329.41  622.71 3429.41   620.9 3479.41  614.53 3529.41  605.81 3629.41  605.81
 3715.88     630 3755.94  636.93 3826.03   645.5 3916.15  650.56 3936.18  651.88
 4046.32  684.71 4076.36  684.71 4156.47  687.68 4211.54  686.08 4236.58  687.01
 4321.69  688.74    4557  697.96 4707.21  708.92 4817.35     728 4877.43  734.03
 5037.65  741.46

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3329.41     .15 3715.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3329.41 3715.88             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.56    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.49    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       316062.60   56321.55   90656.11
  E.G. Slope (ft/ft)      0.000099    Area (sq ft)            316062.60   56321.55   90656.11
  Q Total (cfs)           944490.80    Flow (cfs)             644599.60   152396.00   147495.20
  Top Width (ft)           5037.65    Top Width (ft)           3329.41     386.47    1321.77
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.04       2.71       1.63
  Max Chl Dpth (ft)         154.68    Hydr. Depth (ft)           94.93     145.73      68.59
  Conv. Total (cfs)       95022660.0    Conv. (cfs)            64851420.0   15332150.0   14839090.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3352.81     390.97    1349.70
  Min Ch El (ft)            605.81    Shear (lb/sq ft)            0.58       0.89       0.41
  Alpha                       1.07    Stream Power (lb/ft s)      1.19       2.40       0.67
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    155813.00   25022.22   95772.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1357.86     150.87     883.80


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21496.4*

INPUT
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Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.41  138.97   729.1  277.94  711.91  384.84  704.91  555.88  693.94
  705.54  684.34  741.18  682.65 1026.24  675.86 1297.06  666.22 1475.23   662.7
    1575  660.96 2309.05   649.2 2594.12  646.62 2825.73  638.67 2964.71  630.96
 3335.29  622.65 3435.29  620.88 3485.29  614.49 3535.29  605.79 3635.29  605.79
 3722.06     630 3762.03  636.94 3831.98   645.6 3921.92  650.72 3941.91  652.06
 4051.84  685.15 4081.82  685.15 4161.76  688.06 4216.73  686.38 4241.71  687.29
 4326.65  688.98  4561.5  698.14  4711.4  708.94 4821.32     728 4881.28  733.98
 5041.18  741.47

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3335.29     .15 3722.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3335.29 3722.06             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.56    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.49    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       316678.30   56373.86   90264.91
  E.G. Slope (ft/ft)      0.000099    Area (sq ft)            316678.30   56373.86   90264.91
  Q Total (cfs)           944490.80    Flow (cfs)             645511.80   152454.20   146524.70
  Top Width (ft)           5041.18    Top Width (ft)           3335.29     386.77    1319.12
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.04       2.70       1.62
  Max Chl Dpth (ft)         154.70    Hydr. Depth (ft)           94.95     145.76      68.43
  Conv. Total (cfs)       95085950.0    Conv. (cfs)            64986450.0   15348220.0   14751270.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3358.67     391.26    1347.13
  Min Ch El (ft)            605.79    Shear (lb/sq ft)            0.58       0.89       0.41
  Alpha                       1.07    Stream Power (lb/ft s)      1.18       2.40       0.67
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    155740.50   25009.31   95751.38
  C & E Loss (ft)             0.00    Cum SA (acres)           1357.10     150.78     883.50


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21486.4*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.45  139.22  729.12  278.43  711.87  385.52  704.87  556.86   693.9
  706.79   684.3  742.48  682.59 1028.05  675.75 1299.35  666.12 1477.83  662.65
 1577.78  660.92 2313.12  649.28 2598.69  646.69 2830.72   638.7 2969.93  630.93
 3341.18  622.59 3441.18  620.86 3491.18  614.44 3541.18  605.78 3641.18  605.78
 3728.23     630 3768.13  636.94 3837.94   645.7  3927.7  650.89 3947.65  652.24
 4057.35  685.59 4087.27  685.59 4167.06  688.44 4221.91  686.69 4246.84  687.58
 4331.62  689.23 4565.99  698.31 4715.59  708.96 4825.29     728 4885.13  733.94
 5044.71  741.48

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3341.18     .15 3728.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3341.18 3728.23             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.56    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.49    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       317290.40   56422.11   89874.27
  E.G. Slope (ft/ft)      0.000099    Area (sq ft)            317290.40   56422.11   89874.27
  Q Total (cfs)           944490.80    Flow (cfs)             646426.20   152504.00   145560.60
  Top Width (ft)           5044.71    Top Width (ft)           3341.18     387.05    1316.48
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.04       2.70       1.62
  Max Chl Dpth (ft)         154.71    Hydr. Depth (ft)           94.96     145.77      68.27
  Conv. Total (cfs)       95146990.0    Conv. (cfs)            65120280.0   15363090.0   14663620.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3364.53     391.53    1344.57
  Min Ch El (ft)            605.78    Shear (lb/sq ft)            0.58       0.89       0.41
  Alpha                       1.07    Stream Power (lb/ft s)      1.18       2.40       0.67
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    155667.90   24996.39   95730.74
  C & E Loss (ft)             0.00    Cum SA (acres)           1356.34     150.70     883.20


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21476.5*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.48  139.46  729.14  278.92  711.83   386.2  704.83  557.84  693.85
  708.03  684.25  743.79  682.53 1029.86  675.63 1301.63  666.03 1480.43  662.59
 1580.56  660.87 2317.19  649.35 2603.27  646.77  2835.7  638.73 2975.16  630.91
 3347.06  622.53 3447.06  620.84 3497.06   614.4 3547.06  605.76 3647.06  605.76
 3734.41     630 3774.22  636.95  3843.9  645.79 3933.48  651.05 3953.38  652.41
 4062.87  686.03 4092.73  686.03 4172.35  688.81 4227.09  686.99 4251.98  687.86
 4336.58  689.47 4570.48  698.49 4719.78  708.99 4829.26     728 4888.98  733.89
 5048.23  741.49

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3347.06     .15 3734.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3347.06 3734.41             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
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  E.G. Elev (ft)            760.56    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.49    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       317911.00   56474.38   89485.38
  E.G. Slope (ft/ft)      0.000098    Area (sq ft)            317911.00   56474.38   89485.38
  Q Total (cfs)           944490.80    Flow (cfs)             647335.40   152558.00   144597.50
  Top Width (ft)           5048.23    Top Width (ft)           3347.06     387.35    1313.82
  Vel Total (ft/s)            2.04    Avg. Vel. (ft/s)            2.04       2.70       1.62
  Max Chl Dpth (ft)         154.73    Hydr. Depth (ft)           94.98     145.80      68.11
  Conv. Total (cfs)       95212820.0    Conv. (cfs)            65256990.0   15379160.0   14576670.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3370.38     391.82    1341.99
  Min Ch El (ft)            605.76    Shear (lb/sq ft)            0.58       0.89       0.41
  Alpha                       1.07    Stream Power (lb/ft s)      1.18       2.39       0.66
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    155595.10   24983.46   95710.20
  C & E Loss (ft)             0.00    Cum SA (acres)           1355.57     150.61     882.90


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21466.5*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.52  139.71  729.16  279.41  711.78  386.88  704.79  558.82  693.81
  709.28  684.21   745.1  682.47 1031.67  675.52 1303.92  665.94 1483.03  662.53
 1583.33  660.83 2321.27  649.42 2607.84  646.84 2840.69  638.76 2980.39  630.89
 3352.94  622.47 3452.94  620.82 3502.94  614.35 3552.94  605.74 3652.94  605.74
 3740.59     630 3780.32  636.96 3849.85  645.89 3939.25  651.22 3959.12  652.59
 4068.38  686.47 4098.18  686.47 4177.65  689.19 4232.28  687.29 4257.11  688.14
 4341.54  689.72 4574.97  698.67 4723.97  709.01 4833.23     728 4892.83  733.84
 5051.76  741.51

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3352.94     .15 3740.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3352.94 3740.59             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.56    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.49    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       318525.00   56527.24   89093.75
  E.G. Slope (ft/ft)      0.000098    Area (sq ft)            318525.00   56527.24   89093.75
  Q Total (cfs)           944490.80    Flow (cfs)             648239.50   152618.40   143632.90
  Top Width (ft)           5051.76    Top Width (ft)           3352.94     387.65    1311.17
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.04       2.70       1.61
  Max Chl Dpth (ft)         154.75    Hydr. Depth (ft)           95.00     145.82      67.95
  Conv. Total (cfs)       95276140.0    Conv. (cfs)            65391600.0   15395490.0   14489060.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3376.23     392.11    1339.41
  Min Ch El (ft)            605.74    Shear (lb/sq ft)            0.58       0.88       0.41
  Alpha                       1.07    Stream Power (lb/ft s)      1.18       2.39       0.66
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    155522.20   24970.51   95689.73
  C & E Loss (ft)             0.00    Cum SA (acres)           1354.80     150.52     882.60


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21456.5*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.55  139.95  729.18   279.9  711.74  387.56  704.75   559.8  693.77
  710.52  684.16  746.41  682.41 1033.48  675.41 1306.21  665.84 1485.63  662.47
 1586.11  660.79 2325.34   649.5 2612.42  646.92 2845.67  638.79 2985.62  630.87
 3358.82  622.41 3458.82   620.8 3508.82  614.31 3558.82  605.72 3658.82  605.72
 3746.76     630 3786.42  636.97 3855.81  645.99 3945.03  651.39 3964.85  652.76
  4073.9  686.91 4103.64  686.91 4182.94  689.56 4237.46  687.59 4262.25  688.42
 4346.51  689.96 4579.46  698.84 4728.16  709.04 4837.21     728 4896.68  733.79
 5055.29  741.52

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3358.82     .15 3746.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3358.82 3746.76             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.56    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.49    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       319134.50   56578.09   88708.88
  E.G. Slope (ft/ft)      0.000098    Area (sq ft)            319134.50   56578.09   88708.88
  Q Total (cfs)           944490.80    Flow (cfs)             649129.60   152673.20   142687.90
  Top Width (ft)           5055.29    Top Width (ft)           3358.82     387.94    1308.53
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.03       2.70       1.61
  Max Chl Dpth (ft)         154.77    Hydr. Depth (ft)           95.01     145.84      67.79
  Conv. Total (cfs)       95338910.0    Conv. (cfs)            65524530.0   15411160.0   14403220.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3382.09     392.40    1336.85
  Min Ch El (ft)            605.72    Shear (lb/sq ft)            0.58       0.88       0.41
  Alpha                       1.07    Stream Power (lb/ft s)      1.18       2.38       0.65
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    155449.10   24957.55   95669.37
  C & E Loss (ft)             0.00    Cum SA (acres)           1354.03     150.43     882.30


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21446.5*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.59   140.2   729.2  280.39   711.7  388.24  704.71  560.78  693.73
  711.76  684.12  747.71  682.35 1035.29  675.29  1308.5  665.75 1488.23  662.41
 1588.89  660.74 2329.41  649.57 2616.99  646.99 2850.65  638.82 2990.85  630.85
 3364.71  622.35 3464.71  620.78 3514.71  614.26 3564.71  605.71 3664.71  605.71
 3752.94     630 3792.51  636.97 3861.76  646.09  3950.8  651.55 3970.59  652.94
 4079.41  687.35 4109.09  687.35 4188.23  689.94 4242.65   687.9 4267.38  688.71
 4351.47  690.21 4583.96  699.02 4732.35  709.06 4841.18     728 4900.53  733.74
 5058.82  741.53

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3364.71     .15 3752.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3364.71 3752.94             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.56    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.49    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       319756.20   56627.79   88319.88
  E.G. Slope (ft/ft)      0.000098    Area (sq ft)            319756.20   56627.79   88319.88
  Q Total (cfs)           944490.80    Flow (cfs)              650040.80   152719.40   141730.70
  Top Width (ft)           5058.82    Top Width (ft)           3364.71     388.23    1305.88
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.03       2.70       1.60
  Max Chl Dpth (ft)         154.78    Hydr. Depth (ft)           95.03     145.86      67.63
  Conv. Total (cfs)       95404490.0    Conv. (cfs)            65661630.0   15426420.0   14316440.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3387.94     392.67    1334.29
  Min Ch El (ft)            605.71    Shear (lb/sq ft)            0.58       0.88       0.41
  Alpha                       1.07    Stream Power (lb/ft s)      1.17       2.38       0.65
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    155376.00   24944.59   95649.09
  C & E Loss (ft)             0.00    Cum SA (acres)           1353.26     150.34     882.00


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21436.5*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.62  140.44  729.22  280.88  711.66  388.91  704.67  561.76  693.68
  713.01  684.07  749.02  682.29  1037.1  675.18 1310.78  665.66 1490.84  662.35
 1591.67   660.7 2333.48  649.65 2621.57  647.07 2855.64  638.84 2996.08  630.83
 3370.59  622.29 3470.59  620.76 3520.59  614.22 3570.59  605.69 3670.59  605.69
 3759.12     630 3798.61  636.98 3867.72  646.19 3956.58  651.72 3976.32  653.12
 4084.93  687.79 4114.54  687.79 4193.53  690.32 4247.83   688.2 4272.51  688.99
 4356.43  690.45 4588.45   699.2 4736.54  709.08 4845.15     728 4904.38   733.7
 5062.35  741.54

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3370.59     .15 3759.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3370.59 3759.12             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.55    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.49    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       320367.20   56680.12   87932.21
  E.G. Slope (ft/ft)      0.000098    Area (sq ft)            320367.20   56680.12   87932.21
  Q Total (cfs)           944490.80    Flow (cfs)              650930.80   152777.40   140782.60
  Top Width (ft)           5062.35    Top Width (ft)           3370.59     388.53    1303.23
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.03       2.70       1.60
  Max Chl Dpth (ft)         154.80    Hydr. Depth (ft)           95.05     145.88      67.47
  Conv. Total (cfs)       95467660.0    Conv. (cfs)            65795080.0   15442510.0   14230080.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3393.80     392.97    1331.73
  Min Ch El (ft)            605.69    Shear (lb/sq ft)            0.58       0.88       0.40
  Alpha                       1.07    Stream Power (lb/ft s)      1.17       2.38       0.65
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    155302.60   24931.61   95628.90
  C & E Loss (ft)             0.00    Cum SA (acres)           1352.49     150.25     881.70


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21426.5*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.66  140.69  729.24  281.37  711.61  389.59  704.62  562.74  693.64
  714.25  684.03  750.33  682.24 1038.91  675.07 1313.07  665.56 1493.44   662.3
 1594.44  660.66 2337.56  649.72 2626.14  647.14 2860.62  638.87 3001.31  630.81
 3376.47  622.24 3476.47  620.75 3526.47  614.18 3576.47  605.67 3676.47  605.67
 3765.29     630 3804.71  636.99 3873.68  646.28 3962.35  651.88 3982.06  653.29
 4090.44  688.24    4120  688.24 4198.82  690.69 4253.01   688.5 4277.65  689.27
  4361.4   690.7 4592.94  699.37 4740.73  709.11 4849.12     728 4908.23  733.65
 5065.88  741.55

Manning's n Values        num=       3
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     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3376.47     .15 3765.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3376.47 3765.29             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.55    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.49    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       320981.00   56729.77   87548.20
  E.G. Slope (ft/ft)      0.000098    Area (sq ft)            320981.00   56729.77   87548.20
  Q Total (cfs)           944490.80    Flow (cfs)             651823.10   152823.80   139843.90
  Top Width (ft)           5065.88    Top Width (ft)           3376.47     388.82    1300.59
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.03       2.69       1.60
  Max Chl Dpth (ft)         154.82    Hydr. Depth (ft)           95.06     145.90      67.31
  Conv. Total (cfs)       95531900.0    Conv. (cfs)            65929600.0   15457590.0   14144720.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3399.64     393.25    1329.18
  Min Ch El (ft)            605.67    Shear (lb/sq ft)            0.58       0.88       0.40
  Alpha                       1.07    Stream Power (lb/ft s)      1.17       2.37       0.64
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    155229.20   24918.61   95608.80
  C & E Loss (ft)             0.00    Cum SA (acres)           1351.72     150.16     881.40


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21416.5*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.69  140.93  729.26  281.86  711.57  390.27  704.58  563.73   693.6
   715.5  683.98  751.63  682.18 1040.72  674.95 1315.36  665.47 1496.04  662.24
 1597.22  660.61 2341.63  649.79 2630.72  647.22  2865.6   638.9 3006.54  630.79
 3382.35  622.18 3482.35  620.73 3532.35  614.13 3582.35  605.65 3682.35  605.65
 3771.47     630  3810.8     637 3879.63  646.38 3968.13  652.05 3987.79  653.47
 4095.96  688.68 4125.45  688.68 4204.12  691.07  4258.2   688.8 4282.78  689.55
 4366.36  690.94 4597.43  699.55 4744.93  709.13 4853.09     728 4912.08   733.6
 5069.41  741.56

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3382.35     .15 3771.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3382.35 3771.47             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.55    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.48    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       321600.90   56782.57   87163.30
  E.G. Slope (ft/ft)      0.000098    Area (sq ft)            321600.90   56782.57   87163.30
  Q Total (cfs)           944490.80    Flow (cfs)             652712.40   152877.20   138901.30
  Top Width (ft)           5069.41    Top Width (ft)           3382.35     389.12    1297.94
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.03       2.69       1.59
  Max Chl Dpth (ft)         154.83    Hydr. Depth (ft)           95.08     145.93      67.16
  Conv. Total (cfs)       95599300.0    Conv. (cfs)            66066120.0   15473890.0   14059280.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3405.50     393.54    1326.62
  Min Ch El (ft)            605.65    Shear (lb/sq ft)            0.58       0.88       0.40
  Alpha                       1.07    Stream Power (lb/ft s)      1.17       2.37       0.64
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    155155.50   24905.61   95588.78
  C & E Loss (ft)             0.00    Cum SA (acres)           1350.94     150.07     881.10


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21406.5*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.73  141.18  729.28  282.35  711.53  390.95  704.54  564.71  693.55
  716.74  683.94  752.94  682.12 1042.53  674.84 1317.65  665.37 1498.64  662.18
    1600  660.57  2345.7  649.87 2635.29  647.29 2870.59  638.93 3011.76  630.76
 3388.23  622.12 3488.23  620.71 3538.23  614.09 3588.23  605.64 3688.23  605.64
 3777.65     630  3816.9     637 3885.59  646.48  3973.9  652.21 3993.53  653.65
 4101.47  689.12 4130.91  689.12 4209.41  691.45 4263.38  689.11 4287.91  689.84
 4371.32  691.19 4601.92  699.73 4749.12  709.15 4857.06     728 4915.94  733.55
 5072.94  741.58

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3388.23     .15 3777.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3388.23 3777.65             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.55    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.48    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       322216.40   56833.21   86777.07
  E.G. Slope (ft/ft)      0.000097    Area (sq ft)            322216.40   56833.21   86777.07
  Q Total (cfs)           944490.80    Flow (cfs)             653603.50   152925.70   137961.60
  Top Width (ft)           5072.94    Top Width (ft)           3388.23     389.42    1295.29
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.03       2.69       1.59
  Max Chl Dpth (ft)         154.84    Hydr. Depth (ft)           95.10     145.94      66.99
  Conv. Total (cfs)       95664180.0    Conv. (cfs)            66201220.0   15489310.0   13973650.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3411.35     393.83    1324.05
  Min Ch El (ft)            605.64    Shear (lb/sq ft)            0.57       0.88       0.40
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  Alpha                        1.07    Stream Power (lb/ft s)      1.17       2.36       0.63
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    155081.80   24892.59   95568.86
  C & E Loss (ft)              0.00    Cum SA (acres)           1350.17     149.98     880.81


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21396.5*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.76  141.42   729.3  282.84  711.49  391.63   704.5  565.69  693.51
  717.99  683.89  754.25  682.06 1044.34  674.73 1319.93  665.28 1501.24  662.12
 1602.78  660.53 2349.77  649.94 2639.87  647.37 2875.57  638.96 3016.99  630.74
 3394.12  622.06 3494.12  620.69 3544.12  614.04 3594.12  605.62 3694.12  605.62
 3783.82     630 3822.99  637.01 3891.54  646.58 3979.68  652.38 3999.26  653.82
 4106.98  689.56 4136.36  689.56 4214.71  691.82 4268.57  689.41 4293.05  690.12
 4376.29  691.43 4606.42  699.91 4753.31  709.18 4861.03     728 4919.79   733.5
 5076.47  741.59

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3394.12     .15 3783.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3394.12 3783.82             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.55    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.48    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       322831.10   56883.21   86394.92
  E.G. Slope (ft/ft)      0.000097    Area (sq ft)            322831.10   56883.21   86394.92
  Q Total (cfs)           944490.80    Flow (cfs)              654484.10   152974.30   137032.50
  Top Width (ft)           5076.47    Top Width (ft)           3394.12     389.70    1292.65
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.03       2.69       1.59
  Max Chl Dpth (ft)         154.86    Hydr. Depth (ft)           95.11     145.97      66.84
  Conv. Total (cfs)       95729730.0    Conv. (cfs)             66335830.0   15504840.0   13889060.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3417.21     394.11    1321.50
  Min Ch El (ft)            605.62    Shear (lb/sq ft)            0.57       0.88       0.40
  Alpha                       1.07    Stream Power (lb/ft s)      1.16       2.36       0.63
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    155007.90   24879.57   95549.02
  C & E Loss (ft)             0.00    Cum SA (acres)           1349.39     149.89     880.51


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21386.6*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   740.8  141.67  729.32  283.33  711.44  392.31  704.46  566.67  693.47
  719.23  683.85  755.56     682 1046.15  674.62 1322.22  665.19 1503.85  662.06
 1605.56  660.48 2353.85  650.01 2644.44  647.44 2880.55  638.99 3022.22  630.72
    3400     622    3500  620.67    3550     614    3600   605.6    3700   605.6
    3790     630 3829.09  637.02  3897.5  646.67 3985.45  652.55    4005     654
  4112.5     690 4141.82     690    4220   692.2 4273.75  689.71 4298.18   690.4
 4381.25  691.67 4610.91  700.08  4757.5   709.2    4865     728 4923.64  733.45
    5080   741.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3790     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3790             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.55    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.48    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       323451.10   56935.57   86015.36
  E.G. Slope (ft/ft)      0.000097    Area (sq ft)            323451.10   56935.57   86015.36
  Q Total (cfs)           944490.80    Flow (cfs)              655359.90   153022.60   136108.20
  Top Width (ft)           5080.00    Top Width (ft)           3400.00     390.00    1290.00
  Vel Total (ft/s)            2.03    Avg. Vel. (ft/s)            2.03       2.69       1.58
  Max Chl Dpth (ft)         154.88    Hydr. Depth (ft)           95.13     145.99      66.68
  Conv. Total (cfs)       95798730.0    Conv. (cfs)             66472480.0   15520930.0   13805320.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3423.06     394.40    1318.94
  Min Ch El (ft)            605.60    Shear (lb/sq ft)            0.57       0.88       0.40
  Alpha                       1.07    Stream Power (lb/ft s)      1.16       2.35       0.63
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    154933.90   24866.53   95529.27
  C & E Loss (ft)             0.00    Cum SA (acres)           1348.61     149.80     880.21


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21376.6*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.84  141.91  729.34  283.82   711.4  392.99  704.42  567.65  693.42
  720.47   683.8  756.86  681.94 1047.96   674.5 1324.51  665.09 1506.45     662
 1608.33  660.44 2357.92  650.09 2649.02  647.52 2885.54  639.02 3027.45   630.7
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 3405.88  621.94 3505.88  620.65 3555.88  613.96 3605.88  605.58 3705.88  605.58
 3796.18     630 3835.19  637.03 3903.46  646.77 3991.23  652.71 4010.73  654.18
 4118.01  690.44 4147.27  690.44 4225.29  692.58 4278.93  690.02 4303.31  690.68
 4386.21  691.92  4615.4  700.26 4761.69  709.22 4868.97     728 4927.49  733.41
 5083.53  741.61

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3405.88     .15 3796.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3405.88 3796.18             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.55    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.48    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       324065.70   56987.91   85631.16
  E.G. Slope (ft/ft)      0.000097    Area (sq ft)            324065.70   56987.91   85631.16
  Q Total (cfs)           944490.80    Flow (cfs)             656237.00   153075.70   135178.10
  Top Width (ft)           5083.53    Top Width (ft)           3405.88     390.30    1287.35
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.03       2.69       1.58
  Max Chl Dpth (ft)         154.90    Hydr. Depth (ft)           95.15     146.01      66.52
  Conv. Total (cfs)       95864740.0    Conv. (cfs)            66607300.0   15537010.0   13720420.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3428.91     394.70    1316.39
  Min Ch El (ft)            605.58    Shear (lb/sq ft)            0.57       0.87       0.39
  Alpha                       1.07    Stream Power (lb/ft s)      1.16       2.35       0.62
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    154859.70   24853.48   95509.61
  C & E Loss (ft)             0.00    Cum SA (acres)           1347.83     149.72     879.92


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21366.6*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.87  142.16  729.36  284.31  711.36  393.67  704.38  568.63  693.38
  721.72  683.76  758.17  681.88 1049.77  674.39  1326.8     665 1509.05  661.94
 1611.11  660.39 2361.99  650.16 2653.59  647.59 2890.52  639.05 3032.68  630.68
 3411.76  621.88 3511.76  620.63 3561.76  613.91 3611.76  605.56 3711.76  605.56
 3802.35     630 3841.28  637.03 3909.41  646.87    3997  652.88 4016.47  654.35
 4123.53  690.88 4152.73  690.88 4230.59  692.95 4284.12  690.32 4308.45  690.96
 4391.18  692.16 4619.89  700.44 4765.88  709.25 4872.94     728 4931.34  733.36
 5087.06  741.62

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3411.76     .15 3802.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3411.76 3802.35             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.55    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.48    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       324685.60   57039.36   85252.34
  E.G. Slope (ft/ft)      0.000097    Area (sq ft)            324685.60   57039.36   85252.34
  Q Total (cfs)           944490.80    Flow (cfs)             657109.10   153122.50   134259.30
  Top Width (ft)           5087.06    Top Width (ft)           3411.76     390.59    1284.71
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.02       2.68       1.57
  Max Chl Dpth (ft)         154.92    Hydr. Depth (ft)           95.17     146.03      66.36
  Conv. Total (cfs)       95933700.0    Conv. (cfs)            66743800.0   15552940.0   13636970.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3434.76     394.98    1313.85
  Min Ch El (ft)            605.56    Shear (lb/sq ft)            0.57       0.87       0.39
  Alpha                       1.07    Stream Power (lb/ft s)      1.16       2.35       0.62
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    154785.40   24840.41   95490.03
  C & E Loss (ft)             0.00    Cum SA (acres)           1347.05     149.63     879.62


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21356.6*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.91   142.4  729.38   284.8  711.32  394.34  704.34  569.61  693.34
  722.96  683.71  759.48  681.82 1051.58  674.28 1329.08  664.91 1511.65  661.89
 1613.89  660.35 2366.06  650.23 2658.17  647.67 2895.51  639.08 3037.91  630.66
 3417.65  621.82 3517.65  620.61 3567.65  613.87 3617.65  605.55 3717.65  605.55
 3808.53     630 3847.38  637.04 3915.37  646.97 4002.78  653.04 4022.21  654.53
 4129.04  691.32 4158.18  691.32 4235.88  693.33  4289.3  690.62 4313.58  691.25
 4396.14  692.41 4624.38  700.61 4770.07  709.27 4876.91     728 4935.19  733.31
 5090.59  741.64

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3417.65     .15 3808.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3417.65 3808.53             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.55    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.48    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       325299.10   57088.59   84872.03
  E.G. Slope (ft/ft)      0.000097    Area (sq ft)            325299.10   57088.59   84872.03
```

```
  Q Total (cfs)           944490.80    Flow (cfs)              657980.70   153165.50   133344.60
  Top Width (ft)           5090.59    Top Width (ft)           3417.65     390.88    1282.06
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.02       2.68       1.57
  Max Chl Dpth (ft)         154.93    Hydr. Depth (ft)           95.18     146.05      66.20
  Conv. Total (cfs)       95999410.0    Conv. (cfs)             66878100.0   15567960.0   13553340.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3440.62     395.26    1311.29
  Min Ch El (ft)            605.55    Shear (lb/sq ft)            0.57       0.87       0.39
  Alpha                       1.07    Stream Power (lb/ft s)      1.16       2.34       0.61
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    154710.90   24827.34   95470.54
  C & E Loss (ft)             0.00    Cum SA (acres)           1346.27     149.54     879.33


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21346.6*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.94  142.65   729.4  285.29  711.27  395.02   704.3  570.59  693.29
  724.21  683.67  760.78  681.76 1053.39  674.16 1331.37  664.81 1514.25  661.83
 1616.67  660.31 2370.14  650.31 2662.74  647.75 2900.49  639.11 3043.14  630.64
 3423.53  621.76 3523.53  620.59 3573.53  613.82 3623.53  605.53 3723.53  605.53
 3814.71     630 3853.47  637.05 3921.32  647.07 4008.56  653.21 4027.94  654.71
 4134.56  691.76 4163.64  691.76 4241.18  693.71 4294.48  690.92 4318.72  691.53
  4401.1  692.65 4628.88  700.79 4774.26  709.29 4880.88     728 4939.04  733.26
 5094.12  741.65

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3423.53     .15 3814.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3423.53 3814.71             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.55    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.48    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       325915.20   57141.42   84492.96
  E.G. Slope (ft/ft)      0.000097    Area (sq ft)            325915.20   57141.42   84492.96
  Q Total (cfs)           944490.80    Flow (cfs)              658842.60   153217.00   132431.20
  Top Width (ft)           5094.12    Top Width (ft)           3423.53     391.18    1279.41
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.02       2.68       1.57
  Max Chl Dpth (ft)         154.95    Hydr. Depth (ft)           95.20     146.07      66.04
  Conv. Total (cfs)       96067660.0    Conv. (cfs)             67013320.0   15584270.0   13470070.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3446.48     395.55    1308.74
  Min Ch El (ft)            605.53    Shear (lb/sq ft)            0.57       0.87       0.39
  Alpha                       1.07    Stream Power (lb/ft s)      1.15       2.34       0.61
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    154636.30   24814.25   95451.14
  C & E Loss (ft)             0.00    Cum SA (acres)           1345.49     149.45     879.04


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21336.6*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.98  142.89  729.42  285.78  711.23   395.7  704.26  571.57  693.25
  725.45  683.62  762.09  681.71  1055.2  674.05 1333.66  664.72 1516.85  661.77
 1619.44  660.26 2374.21  650.38 2667.32  647.82 2905.47  639.14 3048.37  630.62
 3429.41  621.71 3529.41  620.57 3579.41  613.78 3629.41  605.51 3729.41  605.51
 3820.88     630 3859.57  637.06 3927.28  647.16 4014.33  653.37 4033.68  654.88
 4140.07  692.21 4169.09  692.21 4246.47  694.08 4299.67  691.23 4323.85  691.81
 4406.07   692.9 4633.37  700.97 4778.46  709.32 4884.85     728 4942.89  733.21
 5097.65  741.66

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3429.41     .15 3820.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3429.41 3820.88             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.54    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.48    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       326532.50   57191.87   84114.41
  E.G. Slope (ft/ft)      0.000097    Area (sq ft)            326532.50   57191.87   84114.41
  Q Total (cfs)           944490.80    Flow (cfs)              659709.80   153260.40   131520.60
  Top Width (ft)           5097.65    Top Width (ft)           3429.41     391.47    1276.77
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.02       2.68       1.56
  Max Chl Dpth (ft)         154.97    Hydr. Depth (ft)           95.22     146.10      65.88
  Conv. Total (cfs)       96135740.0    Conv. (cfs)             67149070.0   15599730.0   13386930.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3452.33     395.84    1306.20
  Min Ch El (ft)            605.51    Shear (lb/sq ft)            0.57       0.87       0.39
  Alpha                       1.07    Stream Power (lb/ft s)      1.15       2.33       0.61
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    154561.60   24801.16   95431.83
  C & E Loss (ft)             0.00    Cum SA (acres)           1344.70     149.36     878.74


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21326.6*
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INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.01  143.14  729.44  286.27  711.19  396.38  704.22  572.55  693.21
   726.7  683.57   763.4  681.65 1057.01  673.94 1335.95  664.62 1519.46  661.71
 1622.22  660.22 2378.28  650.46 2671.89   647.9 2910.46  639.17 3053.59  630.59
 3435.29  621.65 3535.29  620.55 3585.29  613.74 3635.29  605.49 3735.29  605.49
 3827.06     630 3865.67  637.06 3933.23  647.26 4020.11  653.54 4039.41  655.06
 4145.59  692.65 4174.54  692.65 4251.76  694.46 4304.85  691.53 4328.98  692.09
 4411.03  693.14 4637.86  701.15 4782.65  709.34 4888.82     728 4946.74  733.17
 5101.18  741.67

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3435.29     .15 3827.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3435.29 3827.06             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.54    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.48    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       327146.80   57244.26   83736.44
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            327146.80   57244.26   83736.44
  Q Total (cfs)           944490.80    Flow (cfs)             660565.70   153310.30   130614.90
  Top Width (ft)           5101.18    Top Width (ft)           3435.29     391.77    1274.12
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.02       2.68       1.56
  Max Chl Dpth (ft)         154.99    Hydr. Depth (ft)           95.23     146.12      65.72
  Conv. Total (cfs)       96203610.0    Conv. (cfs)            67283660.0   15615830.0   13304120.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3458.18     396.13    1303.66
  Min Ch El (ft)            605.49    Shear (lb/sq ft)            0.57       0.87       0.39
  Alpha                       1.07    Stream Power (lb/ft s)      1.15       2.33       0.60
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    154486.70   24788.05   95412.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1343.92     149.27     878.45


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21316.6*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.05  143.38  729.46  286.76  711.15  397.06  704.18  573.53  693.16
  727.94  683.53  764.71  681.59 1058.82  673.82 1338.23  664.53 1522.06  661.65
    1625  660.18 2382.35  650.53 2676.47  647.97 2915.44   639.2 3058.82  630.57
 3441.18  621.59 3541.18  620.53 3591.18  613.69 3641.18  605.48 3741.18  605.48
 3833.23     630 3871.76  637.07 3939.19  647.36 4025.88  653.71 4045.15  655.24
  4151.1  693.09    4180  693.09 4257.06  694.84 4310.04  691.83 4334.12  692.38
 4415.99  693.39 4642.35  701.32 4786.84  709.36 4892.79     728 4950.59  733.12
 5104.71  741.68

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3441.18     .15 3833.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3441.18 3833.23             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.54    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.48    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       327768.60   57292.57   83360.92
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            327768.60   57292.57   83360.92
  Q Total (cfs)           944490.80    Flow (cfs)             661431.90   153344.80   129714.10
  Top Width (ft)           5104.71    Top Width (ft)           3441.18     392.05    1271.48
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.02       2.68       1.56
  Max Chl Dpth (ft)         155.00    Hydr. Depth (ft)           95.25     146.14      65.56
  Conv. Total (cfs)       96273510.0    Conv. (cfs)            67420850.0   15630690.0   13221970.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3464.04     396.40    1301.12
  Min Ch El (ft)            605.48    Shear (lb/sq ft)            0.57       0.87       0.38
  Alpha                       1.07    Stream Power (lb/ft s)      1.15       2.32       0.60
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    154411.70   24774.93   95393.46
  C & E Loss (ft)             0.00    Cum SA (acres)           1343.13     149.18     878.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21306.7*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.08  143.63  729.48  287.25   711.1  397.74  704.14  574.51  693.12
  729.19  683.48  766.01  681.53 1060.63  673.71 1340.52  664.44 1524.66  661.59
 1627.78  660.13 2386.42   650.6 2681.04  648.05 2920.42  639.23 3064.05  630.55
 3447.06  621.53 3547.06  620.51 3597.06  613.65 3647.06  605.46 3747.06  605.46
 3839.41     630 3877.86  637.08 3945.15  647.46 4031.66  653.87 4050.88  655.41
 4156.62  693.53 4185.45  693.53 4262.35  695.21 4315.22  692.13 4339.25  692.66
 4420.96  693.63 4646.84   701.5 4791.03  709.39 4896.76     728 4954.44  733.07
 5108.23  741.69

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3447.06     .15 3839.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3447.06 3839.41             9.98    9.98    9.98             .1       .3
```

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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.54    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.47    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       328389.30   57344.93   82985.66
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            328389.30   57344.93   82985.66
  Q Total (cfs)           944490.80    Flow (cfs)             662285.30   153389.40   128816.00
  Top Width (ft)           5108.23    Top Width (ft)           3447.06     392.35    1268.82
  Vel Total (ft/s)            2.02    Avg. Vel. (ft/s)            2.02       2.67       1.55
  Max Chl Dpth (ft)         155.01    Hydr. Depth (ft)           95.27     146.16      65.40
  Conv. Total (cfs)       96344520.0    Conv. (cfs)            67557630.0   15646770.0   13140120.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3469.90     396.69    1298.57
  Min Ch El (ft)            605.46    Shear (lb/sq ft)            0.57       0.87       0.38
  Alpha                       1.07    Stream Power (lb/ft s)      1.15       2.32       0.60
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    154336.50   24761.79   95374.41
  C & E Loss (ft)             0.00    Cum SA (acres)           1342.34     149.09     877.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21296.7*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.12  143.87  729.5  287.75  711.06  398.42   704.1  575.49  693.08
  730.43  683.44  767.32  681.47 1062.44   673.6 1342.81  664.34 1527.26  661.54
 1630.56  660.09  2390.5  650.68 2685.62  648.12 2925.41  639.26 3069.28  630.53
 3452.94  621.47 3552.94  620.49 3602.94   613.6 3652.94  605.44 3752.94  605.44
 3845.59     630 3883.96  637.09  3951.1  647.56 4037.43  654.04 4056.62  655.59
 4162.13  693.97 4190.91  693.97 4267.65  695.59  4320.4  692.44 4344.38  692.94
 4425.92  693.88 4651.34  701.68 4795.22  709.41 4900.73     728 4958.29  733.02
 5111.76  741.71

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3452.94     .15 3845.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3452.94 3845.59             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.54    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.47    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       329001.00   57397.87   82608.14
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            329001.00   57397.87   82608.14
  Q Total (cfs)           944490.80    Flow (cfs)             663130.70   153441.60   127918.50
  Top Width (ft)           5111.76    Top Width (ft)           3452.94     392.65    1266.17
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.02       2.67       1.55
  Max Chl Dpth (ft)         155.03    Hydr. Depth (ft)           95.28     146.18      65.24
  Conv. Total (cfs)       96412330.0    Conv. (cfs)            67691470.0   15663110.0   13057750.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3475.75     396.99    1296.02
  Min Ch El (ft)            605.44    Shear (lb/sq ft)            0.57       0.87       0.38
  Alpha                       1.07    Stream Power (lb/ft s)      1.14       2.32       0.59
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    154261.20   24748.65   95355.44
  C & E Loss (ft)             0.00    Cum SA (acres)           1341.55     149.00     877.58


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21286.7*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.15  144.12  729.52  288.24  711.02  399.09  704.05  576.47  693.04
  731.67  683.39  768.63  681.41 1064.25  673.48  1345.1  664.25 1529.86  661.48
 1633.33  660.05 2394.57  650.75  2690.2   648.2 2930.39  639.29 3074.51  630.51
 3458.82  621.41 3558.82  620.47 3608.82  613.56 3658.82  605.42 3758.82  605.42
 3851.76     630 3890.05  637.09 3957.06  647.65 4043.21   654.2 4062.35  655.76
 4167.65  694.41 4196.36  694.41 4272.94  695.96 4325.59  692.74 4349.52  693.22
 4430.88  694.12 4655.83  701.85 4799.41  709.44 4904.71     728 4962.14  732.97
 5115.29  741.72

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3458.82     .15 3851.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3458.82 3851.76             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.54    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.47    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       329620.90   57448.81   82239.21
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            329620.90   57448.81   82239.21
  Q Total (cfs)           944490.80    Flow (cfs)             663971.80   153480.60   127038.40
  Top Width (ft)           5115.29    Top Width (ft)           3458.82     392.94    1263.53
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.01       2.67       1.54
  Max Chl Dpth (ft)         155.05    Hydr. Depth (ft)           95.30     146.20      65.09
  Conv. Total (cfs)       96484380.0    Conv. (cfs)            67827980.0   15678800.0   12977600.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3481.60     397.27    1293.49
  Min Ch El (ft)            605.42    Shear (lb/sq ft)            0.57       0.87       0.38
  Alpha                       1.07    Stream Power (lb/ft s)      1.14       2.31       0.59
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    154185.80   24735.49   95336.55
  C & E Loss (ft)             0.00    Cum SA (acres)           1340.76     148.91     877.29


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21276.7*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.19  144.36  729.54  288.73  710.98  399.77  704.01  577.45  692.99
  732.92  683.35  769.93  681.35 1066.06  673.37 1347.39  664.16 1532.47  661.42
 1636.11     660 2398.64  650.82 2694.77  648.27 2935.38  639.32 3079.74  630.49
  3464.7  621.35  3564.7  620.45  3614.7  613.51  3664.7  605.41  3764.7  605.41
 3857.94     630 3896.15   637.1 3963.01  647.75 4048.98  654.37 4068.09  655.94
 4173.16  694.85 4201.82  694.85 4278.23  696.34 4330.77  693.04 4354.65  693.51
 4435.84  694.37 4660.32  702.03  4803.6  709.46 4908.68     728 4965.99  732.93
 5118.82  741.73

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  3464.7     .15 3857.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        3464.7 3857.94             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.54    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.47    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       330243.50   57500.00   81862.89
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            330243.50   57500.00   81862.89
  Q Total (cfs)           944490.80    Flow (cfs)             664827.50   153520.40   126142.90
  Top Width (ft)           5118.82    Top Width (ft)           3464.70     393.24    1260.88
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.01       2.67       1.54
  Max Chl Dpth (ft)         155.06    Hydr. Depth (ft)           95.32     146.22      64.93
  Conv. Total (cfs)       96555680.0    Conv. (cfs)            67965580.0   15694450.0   12895640.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3487.45     397.56    1290.95
  Min Ch El (ft)            605.41    Shear (lb/sq ft)            0.57       0.86       0.38
  Alpha                       1.07    Stream Power (lb/ft s)      1.14       2.31       0.58
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    154110.20   24722.32   95317.76
  C & E Loss (ft)             0.00    Cum SA (acres)           1339.96     148.82     877.00


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21266.7*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.22  144.61  729.56  289.22  710.93  400.45  703.97  578.43  692.95
  734.16   683.3  771.24  681.29 1067.87  673.26 1349.67  664.06 1535.07  661.36
 1638.89  659.96 2402.71   650.9 2699.35  648.35 2940.36  639.35 3084.97  630.47
 3470.59  621.29 3570.59  620.43 3620.59  613.47 3670.59  605.39 3770.59  605.39
 3864.12     630 3902.24  637.11 3968.97  647.85 4054.76  654.53 4073.82  656.12
 4178.68  695.29 4207.27  695.29 4283.53  696.72 4335.96  693.34 4359.79  693.79
 4440.81  694.61 4664.81  702.21 4807.79  709.48 4912.65     728 4969.84  732.88
 5122.35  741.74

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3470.59     .15 3864.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        3470.59 3864.12            9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.54    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.47    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       330859.10   57550.98   81491.09
  E.G. Slope (ft/ft)      0.000096    Area (sq ft)            330859.10   57550.98   81491.09
  Q Total (cfs)           944490.80    Flow (cfs)             665664.90   153562.70   125263.10
  Top Width (ft)           5122.35    Top Width (ft)           3470.59     393.53    1258.23
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.01       2.67       1.54
  Max Chl Dpth (ft)         155.08    Hydr. Depth (ft)           95.33     146.24      64.77
  Conv. Total (cfs)       96625590.0    Conv. (cfs)            68100470.0   15710150.0   12814970.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3493.32     397.85    1288.41
  Min Ch El (ft)            605.39    Shear (lb/sq ft)            0.56       0.86       0.38
  Alpha                       1.07    Stream Power (lb/ft s)      1.14       2.30       0.58
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    154034.40   24709.14   95299.05
  C & E Loss (ft)             0.00    Cum SA (acres)           1339.17     148.73     876.71


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21256.7*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.26  144.85  729.58  289.71  710.89  401.13  703.93  579.41  692.91
  735.41  683.26  772.55  681.24 1069.68  673.14 1351.96  663.97 1537.67   661.3
 1641.67  659.92 2406.79  650.97 2703.92  648.42 2945.34  639.38  3090.2  630.45
 3476.47  621.24 3576.47  620.41 3626.47  613.43 3676.47  605.37 3776.47  605.37
 3870.29     630 3908.34  637.12 3974.93  647.95 4060.53   654.7 4079.56  656.29
 4184.19  695.74 4212.73  695.74 4288.82  697.09 4341.14  693.65 4364.92  694.07
 4445.77  694.86  4669.3  702.39 4811.98  709.51 4916.62     728 4973.69  732.83
 5125.88  741.75
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3476.47     .15 3870.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3476.47 3870.29             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.54    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.47    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       331475.40   57601.47   81117.85
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            331475.40   57601.47   81117.85
  Q Total (cfs)           944490.80    Flow (cfs)              666507.10   153602.90   124380.90
  Top Width (ft)           5125.88    Top Width (ft)           3476.47     393.82    1255.59
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.01       2.67       1.53
  Max Chl Dpth (ft)         155.10    Hydr. Depth (ft)           95.35     146.26      64.61
  Conv. Total (cfs)       96695470.0    Conv. (cfs)             68235940.0   15725620.0   12733920.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3499.17     398.13    1285.89
  Min Ch El (ft)            605.37    Shear (lb/sq ft)            0.56       0.86       0.38
  Alpha                       1.07    Stream Power (lb/ft s)      1.13       2.30       0.58
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    153958.60   24695.95   95280.42
  C & E Loss (ft)             0.00    Cum SA (acres)           1338.37     148.64     876.42


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21246.7*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.29   145.1   729.6   290.2  710.85  401.81  703.89  580.39  692.86
  736.65  683.21  773.86  681.18 1071.49  673.03 1354.25  663.87 1540.27  661.24
 1644.44  659.87 2410.86  651.04  2708.5   648.5 2950.33  639.41 3095.42  630.42
 3482.35  621.18 3582.35  620.39 3632.35  613.38 3682.35  605.35 3782.35  605.35
 3876.47     630 3914.44  637.12 3980.88  648.04 4066.31  654.87 4085.29  656.47
 4189.71  696.18 4218.18  696.18 4294.12  697.47 4346.32  693.95 4370.05  694.35
 4450.73   695.1  4673.8  702.56 4816.18  709.53 4920.59     728 4977.54  732.78
 5129.41  741.76

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3482.35     .15 3876.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3482.35 3876.47             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.54    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.47    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       332102.70   57654.36   80750.52
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            332102.70   57654.36   80750.52
  Q Total (cfs)           944490.80    Flow (cfs)              667340.40   153641.50   123508.90
  Top Width (ft)           5129.41    Top Width (ft)           3482.35     394.12    1252.94
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.01       2.66       1.53
  Max Chl Dpth (ft)         155.12    Hydr. Depth (ft)           95.37     146.29      64.45
  Conv. Total (cfs)       96771500.0    Conv. (cfs)             68374980.0   15741940.0   12654590.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3505.02     398.43    1283.36
  Min Ch El (ft)            605.35    Shear (lb/sq ft)            0.56       0.86       0.37
  Alpha                       1.07    Stream Power (lb/ft s)      1.13       2.29       0.57
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    153882.50   24682.75   95261.88
  C & E Loss (ft)             0.00    Cum SA (acres)           1337.58     148.55     876.14


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21236.7*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.33  145.34  729.62  290.69  710.81  402.49  703.85  581.37  692.82
   737.9  683.17  775.16  681.12  1073.3  672.92 1356.54  663.78 1542.87  661.19
 1647.22  659.83 2414.93  651.12 2713.07  648.57 2955.31  639.44 3100.65   630.4
 3488.23  621.12 3588.23  620.37 3638.23  613.34 3688.23  605.34 3788.23  605.34
 3882.65     630 3920.53  637.13 3986.84  648.14 4072.08  655.03 4091.03  656.65
 4195.22  696.62 4223.64  696.62 4299.41  697.85 4351.51  694.25 4375.19  694.64
  4455.7  695.35 4678.29  702.74 4820.37  709.55 4924.56     728 4981.39  732.73
 5132.94  741.78

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3488.23     .15 3882.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3488.23 3882.65             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.53    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.47    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       332713.40   57705.06   80378.45
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            332713.40   57705.06   80378.45
  Q Total (cfs)           944490.80    Flow (cfs)              668170.60   153683.20   122637.10
  Top Width (ft)           5132.94    Top Width (ft)           3488.23     394.42    1250.29
  Vel Total (ft/s)            2.01    Avg. Vel. (ft/s)            2.01       2.66       1.53
  Max Chl Dpth (ft)         155.13    Hydr. Depth (ft)           95.38     146.30      64.29
  Conv. Total (cfs)       96840020.0    Conv. (cfs)             68508500.0   15757360.0   12574160.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3510.87     398.72    1280.82
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  Min Ch El (ft)            605.34    Shear (lb/sq ft)            0.56       0.86       0.37
  Alpha                       1.07    Stream Power (lb/ft s)      1.13       2.29       0.57
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    153806.40   24669.54   95243.42
  C & E Loss (ft)             0.00    Cum SA (acres)           1336.78     148.46     875.85


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21226.7*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.36  145.59  729.64  291.18  710.76  403.17  703.81  582.35  692.78
  739.14  683.12  776.47  681.06 1075.11  672.81 1358.82  663.69 1545.47  661.13
    1650  659.78    2419  651.19 2717.65  648.65 2960.29  639.47 3105.88  630.38
 3494.12  621.06 3594.12  620.35 3644.12  613.29 3694.12  605.32 3794.12  605.32
 3888.82     630 3926.63  637.14 3992.79  648.24 4077.86   655.2 4096.76  656.82
 4200.73  697.06 4229.09  697.06 4304.71  698.22 4356.69  694.55 4380.32  694.92
 4460.66  695.59 4682.78  702.92 4824.56  709.58 4928.53     728 4985.24  732.68
 5136.47  741.79

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3494.12     .15 3888.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3494.12 3888.82             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.53    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.47    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       333337.10   57755.14   80010.53
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            333337.10   57755.14   80010.53
  Q Total (cfs)           944490.80    Flow (cfs)             669003.40   153717.60   121769.90
  Top Width (ft)           5136.47    Top Width (ft)           3494.12     394.70    1247.65
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.01       2.66       1.52
  Max Chl Dpth (ft)         155.15    Hydr. Depth (ft)           95.40     146.33      64.13
  Conv. Total (cfs)       96913850.0    Conv. (cfs)            68646180.0   15772900.0   12494770.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3516.74     398.99    1278.30
  Min Ch El (ft)            605.32    Shear (lb/sq ft)            0.56       0.86       0.37
  Alpha                       1.07    Stream Power (lb/ft s)      1.13       2.28       0.56
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    153730.10   24656.31   95225.05
  C & E Loss (ft)             0.00    Cum SA (acres)           1335.98     148.37     875.56


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21216.8*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   741.4  145.83  729.66  291.67  710.72  403.85  703.77  583.33  692.73
  740.38  683.08  777.78     681 1076.92  672.69 1361.11  663.59 1548.08  661.07
 1652.78  659.74 2423.08  651.27 2722.22  648.72 2965.28   639.5 3111.11  630.36
    3500     621    3600  620.33    3650  613.25    3700   605.3    3800   605.3
    3895     630 3932.73  637.15 3998.75  648.34 4083.64  655.36  4102.5     657
 4206.25   697.5 4234.54   697.5    4310   698.6 4361.87  694.86 4385.45   695.2
 4465.62  695.84 4687.27  703.09 4828.75   709.6  4932.5     728 4989.09  732.64
    5140   741.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3500     .15    3895     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3500    3895             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.53    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.47    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       333956.40   57807.57   79642.13
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            333956.40   57807.57   79642.13
  Q Total (cfs)           944490.80    Flow (cfs)             669827.40   153758.20   120905.20
  Top Width (ft)           5140.00    Top Width (ft)           3500.00     395.00    1245.00
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.01       2.66       1.52
  Max Chl Dpth (ft)         155.17    Hydr. Depth (ft)           95.42     146.35      63.97
  Conv. Total (cfs)       96987080.0    Conv. (cfs)            68782670.0   15789000.0   12415410.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3522.59     399.29    1275.77
  Min Ch El (ft)            605.30    Shear (lb/sq ft)            0.56       0.86       0.37
  Alpha                       1.07    Stream Power (lb/ft s)      1.13       2.28       0.56
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    153653.70   24643.07   95206.76
  C & E Loss (ft)             0.00    Cum SA (acres)           1335.18     148.28     875.28


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21206.8*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.44  146.08  729.68  292.16  710.68  404.52  703.73  584.31  692.69
  741.63  683.03  779.08  680.94 1078.73  672.58  1363.4   663.5 1550.68  661.01
```

```
 1655.56   659.7 2427.15  651.34  2726.8   648.8 2970.26  639.53 3116.34  630.34
 3505.88  620.94 3605.88  620.31 3655.88  613.21 3705.88  605.28 3805.88  605.28
 3901.18     630 3938.82  637.15  4004.7  648.44 4089.41  655.53 4108.23  657.18
 4211.76  697.94    4240  697.94 4315.29  698.98 4367.06  695.16 4390.59  695.48
 4470.59  696.08 4691.76  703.27 4832.94  709.62 4936.47     728 4992.94  732.59
 5143.53  741.81

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3505.88     .15 3901.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3505.88 3901.18             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.53    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.47    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       334572.70   57860.01   79275.05
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            334572.70   57860.01   79275.05
  Q Total (cfs)           944490.80    Flow (cfs)             670644.20   153799.90   120046.70
  Top Width (ft)           5143.53    Top Width (ft)           3505.88     395.30    1242.35
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.00       2.66       1.51
  Max Chl Dpth (ft)         155.19    Hydr. Depth (ft)           95.43     146.37      63.81
  Conv. Total (cfs)       97059660.0    Conv. (cfs)            68918080.0   15805100.0   12336480.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3528.44     399.58    1273.24
  Min Ch El (ft)            605.28    Shear (lb/sq ft)            0.56       0.86       0.37
  Alpha                       1.07    Stream Power (lb/ft s)      1.12       2.28       0.56
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    153577.10   24629.82   95188.55
  C & E Loss (ft)             0.00    Cum SA (acres)           1334.37     148.19     874.99


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21196.8*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.47  146.32   729.7  292.65  710.64   405.2  703.69  585.29  692.65
  742.87  682.99  780.39  680.88 1080.54  672.47 1365.69  663.41 1553.28  660.95
 1658.33  659.65 2431.22  651.41 2731.37  648.87 2975.24  639.56 3121.57  630.32
 3511.76  620.88 3611.76  620.29 3661.76  613.16 3711.76  605.26 3811.76  605.26
 3907.35     630 3944.92  637.16 4010.66  648.53 4095.19   655.7 4113.97  657.35
 4217.28  698.38 4245.45  698.38 4320.59  699.35 4372.24  695.46 4395.72  695.76
 4475.55  696.33 4696.26  703.45 4837.13  709.65 4940.44     728 4996.79  732.54
 5147.06  741.82

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3511.76     .15 3907.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3511.76 3907.35             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.53    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.46    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       335196.30   57911.54   78909.50
  E.G. Slope (ft/ft)      0.000095    Area (sq ft)            335196.30   57911.54   78909.50
  Q Total (cfs)           944490.80    Flow (cfs)             671464.80   153835.80   119190.30
  Top Width (ft)           5147.06    Top Width (ft)           3511.76     395.59    1239.71
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.00       2.66       1.51
  Max Chl Dpth (ft)         155.20    Hydr. Depth (ft)           95.45     146.39      63.65
  Conv. Total (cfs)       97134890.0    Conv. (cfs)            69055890.0   15821040.0   12257960.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3534.29     399.87    1270.73
  Min Ch El (ft)            605.26    Shear (lb/sq ft)            0.56       0.85       0.37
  Alpha                       1.07    Stream Power (lb/ft s)      1.12       2.27       0.55
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    153500.40   24616.56   95170.44
  C & E Loss (ft)             0.00    Cum SA (acres)           1333.57     148.10     874.71


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21186.8*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.51  146.57  729.72  293.14  710.59  405.88  703.65  586.27   692.6
  744.12  682.94   781.7  680.82 1082.35  672.35 1367.97  663.31 1555.88  660.89
 1661.11  659.61 2435.29  651.49 2735.95  648.95 2980.23  639.59  3126.8   630.3
 3517.65  620.82 3617.65  620.27 3667.65  613.12 3717.65  605.25 3817.65  605.25
 3913.53     630 3951.01  637.17 4016.62  648.63 4100.96  655.86 4119.71  657.53
 4222.79  698.82 4250.91  698.82 4325.88  699.73 4377.43  695.76 4400.85  696.05
 4480.51  696.57 4700.75  703.62 4841.32  709.67 4944.41     728 5000.64  732.49
 5150.59  741.84

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3517.65     .15 3913.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3517.65 3913.53             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.53    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.46    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       335817.00   57960.82   78544.92
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  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            335817.00   57960.82   78544.92
  Q Total (cfs)           944490.80    Flow (cfs)              672284.40   153865.00   118341.40
  Top Width (ft)           5150.59    Top Width (ft)           3517.65     395.88    1237.06
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.00       2.65       1.51
  Max Chl Dpth (ft)         155.21    Hydr. Depth (ft)           95.47     146.41      63.49
  Conv. Total (cfs)       97208660.0    Conv. (cfs)             69192700.0   15836060.0   12179900.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3540.15     400.15    1268.19
  Min Ch El (ft)            605.25    Shear (lb/sq ft)            0.56       0.85       0.37
  Alpha                       1.07    Stream Power (lb/ft s)      1.12       2.27       0.55
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    153423.50   24603.29   95152.40
  C & E Loss (ft)             0.00    Cum SA (acres)           1332.77     148.00     874.42


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21176.8*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.54  146.81  729.74  293.63  710.55  406.56  703.61  587.25  692.56
  745.36   682.9  783.01  680.76 1084.16  672.24 1370.26  663.22 1558.48  660.84
 1663.89  659.57 2439.37  651.56 2740.52  649.02 2985.21  639.61 3132.03  630.28
 3523.53  620.76 3623.53  620.25 3673.53  613.07 3723.53  605.23 3823.53  605.23
  3919.7     630 3957.11  637.18 4022.57  648.73 4106.74  656.03 4125.44  657.71
 4228.31  699.26 4256.36  699.26 4331.18  700.11 4382.61  696.07 4405.99  696.33
 4485.48  696.82 4705.24   703.8 4845.51  709.69 4948.38     728 5004.49  732.44
 5154.12  741.85

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3523.53     .15  3919.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3523.53  3919.7             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.53    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.46    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       336436.90   58012.32   78179.63
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            336436.90   58012.32   78179.63
  Q Total (cfs)           944490.80    Flow (cfs)              673097.40   153902.30   117491.10
  Top Width (ft)           5154.12    Top Width (ft)           3523.53     396.17    1234.42
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.00       2.65       1.50
  Max Chl Dpth (ft)         155.23    Hydr. Depth (ft)           95.48     146.43      63.33
  Conv. Total (cfs)       97282870.0    Conv. (cfs)             69329260.0   15851990.0   12101630.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3546.01     400.43    1265.68
  Min Ch El (ft)            605.23    Shear (lb/sq ft)            0.56       0.85       0.36
  Alpha                       1.07    Stream Power (lb/ft s)      1.12       2.26       0.55
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    153346.50   24590.00   95134.45
  C & E Loss (ft)             0.00    Cum SA (acres)           1331.96     147.91     874.14


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21166.8*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.58  147.06  729.76  294.12  710.51  407.24  703.57  588.24  692.52
  746.61  682.85  784.31  680.71 1085.97  672.13 1372.55  663.12 1561.09  660.78
 1666.67  659.52 2443.44  651.63  2745.1   649.1  2990.2  639.64 3137.25  630.25
 3529.41  620.71 3629.41  620.24 3679.41  613.03 3729.41  605.21 3829.41  605.21
 3925.88     630 3963.21  637.18 4028.53  648.83 4112.51  656.19 4131.18  657.88
 4233.82  699.71 4261.82  699.71 4336.47  700.48 4387.79  696.37 4411.12  696.61
 4490.44  697.06 4709.73  703.98 4849.71  709.72 4952.35     728 5008.34   732.4
 5157.65  741.86

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3529.41     .15 3925.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3529.41 3925.88            9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.53    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.46    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       337059.50   58063.53   77814.76
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            337059.50   58063.53   77814.76
  Q Total (cfs)           944490.80    Flow (cfs)              673913.40   153934.00   116643.30
  Top Width (ft)           5157.65    Top Width (ft)           3529.41     396.47    1231.77
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.00       2.65       1.50
  Max Chl Dpth (ft)         155.21    Hydr. Depth (ft)           95.50     146.45      63.17
  Conv. Total (cfs)       97357940.0    Conv. (cfs)             69466870.0   15867490.0   12023570.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3551.86     400.73    1263.17
  Min Ch El (ft)            605.21    Shear (lb/sq ft)            0.56       0.85       0.36
  Alpha                       1.07    Stream Power (lb/ft s)      1.11       2.26       0.54
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    153269.30   24576.70   95116.58
  C & E Loss (ft)             0.00    Cum SA (acres)           1331.15     147.82     873.86


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21156.8*
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INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.61   147.3  729.78  294.61  710.47  407.92  703.52  589.22  692.47
  747.85  682.81  785.62  680.65 1087.78  672.01 1374.84  663.03 1563.69  660.72
 1669.44  659.48 2447.51  651.71 2749.67  649.17 2995.18  639.67 3142.48  630.23
 3535.29  620.65 3635.29  620.22 3685.29  612.99 3735.29  605.19 3835.29  605.19
 3932.06      630  3969.3  637.19 4034.48  648.92 4118.29  656.36 4136.91  658.06
 4239.34  700.15 4267.27  700.15 4341.76  700.86 4392.98  696.67 4416.26  696.89
  4495.4  697.31 4714.22  704.16  4853.9  709.74 4956.32     728 5012.19  732.35
 5161.18  741.87

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3535.29     .15 3932.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3535.29 3932.06             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.53    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.46    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       337680.50   58116.03   77450.91
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            337680.50   58116.03   77450.91
  Q Total (cfs)           944490.80    Flow (cfs)             674719.30   153971.20   115800.30
  Top Width (ft)           5161.18    Top Width (ft)           3535.29     396.77    1229.12
  Vel Total (ft/s)            2.00    Avg. Vel. (ft/s)            2.00       2.65       1.50
  Max Chl Dpth (ft)         155.27    Hydr. Depth (ft)           95.52     146.47      63.01
  Conv. Total (cfs)       97433300.0    Conv. (cfs)            69603780.0   15883610.0   11945910.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3557.72     401.03    1260.65
  Min Ch El (ft)            605.19    Shear (lb/sq ft)            0.56       0.85       0.36
  Alpha                       1.07    Stream Power (lb/ft s)      1.11       2.25       0.54
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    153192.00   24563.39   95098.79
  C & E Loss (ft)             0.00    Cum SA (acres)           1330.34     147.73     873.58


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21146.8*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.65  147.55   729.8   295.1  710.42   408.6  703.48   590.2  692.43
  749.09  682.76  786.93  680.59 1089.59   671.9 1377.12  662.94 1566.29  660.66
 1672.22  659.44 2451.58  651.78 2754.25  649.25 3000.16   639.7 3147.71  630.21
 3541.18  620.59 3641.18   620.2 3691.18  612.94 3741.18  605.18 3841.18  605.18
 3938.23      630  3975.4   637.2 4040.44  649.02 4124.06  656.52 4142.65  658.24
 4244.85  700.59 4272.73  700.59 4347.06  701.24 4398.16  696.97 4421.39  697.18
 4500.37  697.55 4718.72  704.33 4858.09  709.76 4960.29     728 5016.04   732.3
 5164.71  741.88

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3541.18     .15 3938.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3541.18 3938.23             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.53    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.46    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       338300.70   58164.43   77091.96
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            338300.70   58164.43   77091.96
  Q Total (cfs)           944490.80    Flow (cfs)             675523.10   153996.60   114971.10
  Top Width (ft)           5164.71    Top Width (ft)           3541.18     397.05    1226.48
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)            2.00       2.65       1.49
  Max Chl Dpth (ft)         155.28    Hydr. Depth (ft)           95.53     146.49      62.86
  Conv. Total (cfs)       97508420.0    Conv. (cfs)            69740420.0   15898480.0   11869510.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3563.58     401.30    1258.14
  Min Ch El (ft)            605.18    Shear (lb/sq ft)            0.56       0.85       0.36
  Alpha                       1.07    Stream Power (lb/ft s)      1.11       2.25       0.54
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    153114.60   24550.07   95081.09
  C & E Loss (ft)             0.00    Cum SA (acres)           1329.53     147.64     873.30


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21136.9*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.68  147.79  729.82  295.59  710.38  409.28  703.44  591.18  692.39
  750.34  682.71  788.24  680.53  1091.4  671.79 1379.41  662.84 1568.89   660.6
    1675  659.39 2455.66  651.85 2758.82  649.32 3005.15  639.73 3152.94  630.19
 3547.06  620.53 3647.06  620.18 3697.06   612.9 3747.06  605.16 3847.06  605.16
 3944.41      630  3981.5  637.21  4046.4  649.12 4129.84  656.69 4148.38  658.41
 4250.37  701.03 4278.18  701.03 4352.35  701.61 4403.34  697.28 4426.52  697.46
 4505.33   697.8 4723.21  704.51 4862.28  709.79 4964.26     728 5019.89  732.25
 5168.23  741.89

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3547.06     .15 3944.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3547.06 3944.41             9.98    9.98    9.98             .1       .3
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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.53    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.46    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       338928.80   58216.90   76728.70
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            338928.80   58216.90   76728.70
  Q Total (cfs)           944490.80    Flow (cfs)             676330.80   154029.10   114130.90
  Top Width (ft)           5168.23    Top Width (ft)          3547.06     397.35    1223.82
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)           2.00       2.65       1.49
  Max Chl Dpth (ft)         155.30    Hydr. Depth (ft)          95.55     146.51      62.70
  Conv. Total (cfs)       97586620.0    Conv. (cfs)            69879810.0   15914590.0   11792230.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        3569.44     401.59    1255.62
  Min Ch El (ft)            605.16    Shear (lb/sq ft)           0.56       0.85       0.36
  Alpha                       1.07    Stream Power (lb/ft s)     1.11       2.24       0.53
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    153037.00   24536.74   95063.47
  C & E Loss (ft)             0.00    Cum SA (acres)           1328.72     147.55     873.01


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21126.9*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.72  148.04  729.84  296.08  710.34  409.95   703.4  592.16  692.35
  751.58  682.67  789.54  680.47 1093.21  671.67  1381.7  662.75 1571.49  660.54
 1677.78  659.35 2459.73  651.93  2763.4   649.4 3010.13  639.76 3158.17  630.17
 3552.94  620.47 3652.94  620.16 3702.94  612.85 3752.94  605.14 3852.94  605.14
 3950.59     630 3987.59  637.21 4052.35  649.22 4135.61  656.86 4154.12  658.59
 4255.88  701.47 4283.64  701.47 4357.65  701.99 4408.53  697.58 4431.66  697.74
 4510.29  698.04  4727.7  704.69 4866.47  709.81 4968.23     728 5023.74   732.2
 5171.76  741.91

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3552.94     .15 3950.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3552.94 3950.59             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.52    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.46    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       339543.50   58269.94   76367.84
  E.G. Slope (ft/ft)      0.000094    Area (sq ft)            339543.50   58269.94   76367.84
  Q Total (cfs)           944490.80    Flow (cfs)             677118.30   154069.60   113302.90
  Top Width (ft)           5171.76    Top Width (ft)          3552.94     397.65    1221.17
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)           1.99       2.64       1.48
  Max Chl Dpth (ft)         155.32    Hydr. Depth (ft)          95.57     146.54      62.54
  Conv. Total (cfs)       97661260.0    Conv. (cfs)            70014690.0   15930950.0   11715630.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        3575.28     401.89    1253.09
  Min Ch El (ft)            605.14    Shear (lb/sq ft)           0.55       0.85       0.36
  Alpha                       1.07    Stream Power (lb/ft s)     1.11       2.24       0.53
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    152959.30   24523.40   95045.93
  C & E Loss (ft)             0.00    Cum SA (acres)           1327.91     147.46     872.73


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21116.9*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.75  148.28  729.86  296.57   710.3  410.63  703.36  593.14   692.3
  752.83  682.62  790.85  680.41 1095.02  671.56 1383.99  662.66 1574.09  660.49
 1680.56  659.31  2463.8     652 2767.97  649.47 3015.11  639.79  3163.4  630.15
 3558.82  620.41 3658.82  620.14 3708.82  612.81 3758.82  605.12 3858.82  605.12
 3956.76     630 3993.69  637.22 4058.31  649.32 4141.39  657.02 4159.85  658.76
  4261.4  701.91 4289.09  701.91 4362.94  702.36 4413.71  697.88 4436.79  698.02
 4515.26  698.29 4732.19  704.86 4870.66  709.84 4972.21     728 5027.59  732.16
 5175.29  741.92

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3558.82     .15 3956.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3558.82 3956.76             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.52    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.46    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       340165.50   58320.98   76009.55
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            340165.50   58320.98   76009.55
  Q Total (cfs)           944490.80    Flow (cfs)             677911.40   154100.00   112479.50
  Top Width (ft)           5175.29    Top Width (ft)          3558.82     397.94    1218.53
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)           1.99       2.64       1.48
  Max Chl Dpth (ft)         155.34    Hydr. Depth (ft)          95.58     146.56      62.38
  Conv. Total (cfs)       97738310.0    Conv. (cfs)            70151990.0   15946660.0   11639660.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        3581.14     402.17    1250.59
  Min Ch El (ft)            605.12    Shear (lb/sq ft)           0.55       0.85       0.35
  Alpha                       1.07    Stream Power (lb/ft s)     1.10       2.23       0.52
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    152881.40   24510.04   95028.48
  C & E Loss (ft)             0.00    Cum SA (acres)           1327.09     147.37     872.46
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21106.9*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.79  148.53  729.88  297.06  710.25  411.31  703.32  594.12  692.26
  754.07  682.58  792.16  680.35 1096.83  671.45 1386.27  662.56  1576.7  660.43
 1683.33  659.26 2467.87  652.08 2772.55  649.55  3020.1  639.82 3168.63  630.13
  3564.7  620.35  3664.7  620.12  3714.7  612.76  3764.7  605.11  3864.7  605.11
 3962.94     630 3999.78  637.23 4064.26  649.41 4147.17  657.19 4165.59  658.94
 4266.91  702.35 4294.54  702.35 4368.23  702.74  4418.9  698.18 4441.92  698.31
 4520.22  698.53 4736.68  705.04 4874.85  709.86 4976.18     728 5031.44  732.11
 5178.82  741.93

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  3564.7     .15 3962.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        3564.7 3962.94             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.52    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.46    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       340785.50   58372.26   75650.92
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            340785.50   58372.26   75650.92
  Q Total (cfs)           944490.80    Flow (cfs)              678701.40   154130.80   111658.60
  Top Width (ft)           5178.82    Top Width (ft)           3564.70     398.24    1215.88
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)            1.99       2.64       1.48
  Max Chl Dpth (ft)         155.35    Hydr. Depth (ft)           95.60     146.58      62.22
  Conv. Total (cfs)       97814760.0    Conv. (cfs)            70288690.0   15962320.0   11563750.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3586.99     402.46    1248.08
  Min Ch El (ft)            605.11    Shear (lb/sq ft)            0.55       0.84       0.35
  Alpha                       1.07    Stream Power (lb/ft s)      1.10       2.23       0.52
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    152803.40   24496.68   95011.10
  C & E Loss (ft)             0.00    Cum SA (acres)           1326.27     147.28     872.18


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21096.9*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.82  148.77  729.9  297.55  710.21  411.99  703.28   595.1  692.22
  755.32  682.53  793.46  680.29 1098.64  671.33 1388.56  662.47  1579.3  660.37
 1686.11  659.22 2471.94  652.15 2777.12  649.62 3025.08  639.85 3173.86  630.11
 3570.59  620.29 3670.59   620.1 3720.59  612.72 3770.59  605.09 3870.59  605.09
 3969.12     630 4005.88  637.24 4070.22  649.51 4152.94  657.35 4171.32  659.12
 4272.43  702.79    4300  702.79 4373.53  703.12 4424.08  698.49 4447.06  698.59
 4525.18  698.78 4741.18  705.22 4879.04  709.88 4980.15     728 5035.29  732.06
 5182.35  741.94

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3570.59     .15 3969.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        3570.59 3969.12            9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.52    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.46    Reach Len. (ft)            9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       341412.10   58423.35   75291.72
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            341412.10   58423.35   75291.72
  Q Total (cfs)           944490.80    Flow (cfs)              679495.80   154158.90   110836.10
  Top Width (ft)           5182.35    Top Width (ft)           3570.59     398.53    1213.23
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)            1.99       2.64       1.47
  Max Chl Dpth (ft)         155.37    Hydr. Depth (ft)           95.62     146.60      62.06
  Conv. Total (cfs)       97893270.0    Conv. (cfs)            70427440.0   15978050.0   11487790.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3592.86     402.75    1245.57
  Min Ch El (ft)            605.09    Shear (lb/sq ft)            0.55       0.84       0.35
  Alpha                       1.07    Stream Power (lb/ft s)      1.10       2.22       0.52
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    152725.30   24483.30   94993.81
  C & E Loss (ft)             0.00    Cum SA (acres)           1325.46     147.19     871.90


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21086.9*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.86  149.02  729.92  298.04  710.17  412.67  703.24  596.08  692.17
  756.56  682.49  794.77  680.24 1100.45  671.22 1390.85  662.38  1581.9  660.31
 1688.89  659.17 2476.02  652.22  2781.7   649.7 3030.06  639.88 3179.08  630.08
 3576.47  620.24 3676.47  620.08 3726.47  612.68 3776.47  605.07 3876.47  605.07
 3975.29     630 4011.98  637.24 4076.18  649.61 4158.72  657.52 4177.06  659.29
 4277.94  703.24 4305.45  703.24 4378.82  703.49 4429.26  698.79 4452.19  698.87
 4530.15  699.02 4745.67   705.4 4883.23  709.91 4984.12     728 5039.14  732.01
 5185.88  741.95
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3576.47     .15 3975.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3576.47 3975.29             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.52    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.45    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       342035.10   58473.95   74935.44
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            342035.10   58473.95   74935.44
  Q Total (cfs)           944490.80    Flow (cfs)             680282.70   154185.60   110022.50
  Top Width (ft)           5185.88    Top Width (ft)          3576.47     398.82    1210.59
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)           1.99       2.64       1.47
  Max Chl Dpth (ft)         155.38    Hydr. Depth (ft)          95.63     146.62      61.90
  Conv. Total (cfs)       97971270.0    Conv. (cfs)            70565180.0   15993550.0   11412550.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        3598.71     403.04    1243.08
  Min Ch El (ft)            605.07    Shear (lb/sq ft)           0.55       0.84       0.35
  Alpha                       1.07    Stream Power (lb/ft s)     1.10       2.22       0.51
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    152647.00   24469.91   94976.60
  C & E Loss (ft)             0.00    Cum SA (acres)           1324.64     147.09     871.62


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21076.9*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.89  149.26  729.94  298.53  710.13  413.35   703.2  597.06  692.13
  757.81  682.44  796.08  680.18 1102.26  671.11 1393.14  662.28  1584.5  660.25
 1691.67  659.13 2480.09   652.3 2786.27  649.77 3035.05  639.91 3184.31  630.06
 3582.35  620.18 3682.35  620.06 3732.35  612.63 3782.35  605.05 3882.35  605.05
 3981.47     630 4018.07  637.25 4082.13  649.71 4164.49  657.68 4182.79  659.47
 4283.45  703.68 4310.91  703.68 4384.12  703.87 4434.45  699.09 4457.32  699.15
 4535.11  699.27 4750.16  705.57 4887.43  709.93 4988.09     728 5042.99  731.96
 5189.41  741.96

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3582.35     .15 3981.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3582.35 3981.47             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.52    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.45    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       342654.50   58526.95   74579.71
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            342654.50   58526.95   74579.71
  Q Total (cfs)           944490.80    Flow (cfs)             681056.80   154220.70   109213.40
  Top Width (ft)           5189.41    Top Width (ft)          3582.35     399.12    1207.94
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)           1.99       2.64       1.46
  Max Chl Dpth (ft)         155.40    Hydr. Depth (ft)          95.65     146.64      61.74
  Conv. Total (cfs)       98049100.0    Conv. (cfs)            70701580.0   16009890.0   11337620.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)        3604.57     403.33    1240.58
  Min Ch El (ft)            605.05    Shear (lb/sq ft)           0.55       0.84       0.35
  Alpha                       1.07    Stream Power (lb/ft s)     1.09       2.22       0.51
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    152568.50   24456.50   94959.48
  C & E Loss (ft)             0.00    Cum SA (acres)           1323.82     147.00     871.34


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21066.9*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.93  149.51  729.96  299.02  710.08  414.03  703.16  598.04  692.09
  759.05   682.4  797.39  680.12 1104.07     671 1395.42  662.19  1587.1  660.19
 1694.44  659.09 2484.16  652.37 2790.85  649.85 3040.03  639.94 3189.54  630.04
 3588.23  620.12 3688.23  620.04 3738.23  612.59 3788.23  605.04 3888.23  605.04
 3987.65     630 4024.17  637.26 4088.09   649.8 4170.27  657.85 4188.53  659.65
 4288.97  704.12 4316.36  704.12 4389.41  704.25 4439.63  699.39 4462.46  699.44
 4540.07  699.51 4754.65  705.75 4891.62  709.95 4992.06     728 5046.84  731.91
 5192.94  741.98

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3588.23     .15 3987.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3588.23 3987.65             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.52    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.45    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       343274.00   58577.74   74224.16
  E.G. Slope (ft/ft)      0.000093    Area (sq ft)            343274.00   58577.74   74224.16
  Q Total (cfs)           944490.80    Flow (cfs)             681834.90   154247.80   108408.20
  Top Width (ft)           5192.94    Top Width (ft)          3588.23     399.42    1205.29
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)           1.99       2.63       1.46
  Max Chl Dpth (ft)         155.41    Hydr. Depth (ft)          95.67     146.66      61.58
  Conv. Total (cfs)       98126350.0    Conv. (cfs)            70838140.0   16025330.0   11262890.0
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  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3610.42     403.62    1238.07
  Min Ch El (ft)            605.04    Shear (lb/sq ft)            0.55       0.84       0.35
  Alpha                       1.07    Stream Power (lb/ft s)      1.09       2.21       0.51
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    152490.00   24443.09   94942.43
  C & E Loss (ft)             0.00    Cum SA (acres)           1323.00     146.91     871.07


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21056.9*

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.96  149.75  729.98  299.51  710.04  414.71  703.12  599.02  692.04
  760.29  682.35  798.69  680.06 1105.88  670.88 1397.71  662.09 1589.71  660.14
 1697.22  659.04 2488.23  652.44 2795.42  649.92 3045.02  639.97 3194.77  630.02
 3594.12  620.06 3694.12  620.02 3744.12  612.54 3794.12  605.02 3894.12  605.02
 3993.82      630 4030.27  637.27 4094.04   649.9 4176.04  658.02 4194.26  659.82
 4294.48  704.56 4321.82  704.56  4394.7  704.62 4444.81   699.7 4467.59  699.72
 4545.04  699.76 4759.14  705.93 4895.81  709.98 4996.03     728 5050.69  731.87
 5196.47  741.99

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3594.12     .15 3993.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3594.12 3993.82             9.98    9.98    9.98             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.52    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.45    Reach Len. (ft)             9.98       9.98       9.98
  Crit W.S. (ft)                      Flow Area (sq ft)       343908.60   58627.92   73867.79
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            343908.60   58627.92   73867.79
  Q Total (cfs)           944490.80    Flow (cfs)              682625.70   154268.60   107596.60
  Top Width (ft)           5196.47    Top Width (ft)           3594.12     399.70    1202.65
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            1.98       2.63       1.46
  Max Chl Dpth (ft)         155.43    Hydr. Depth (ft)           95.69     146.68      61.42
  Conv. Total (cfs)       98208420.0    Conv. (cfs)             70979620.0   16040890.0   11187920.0
  Length Wtd. (ft)            9.98    Wetted Per. (ft)         3616.29     403.90    1235.58
  Min Ch El (ft)            605.02    Shear (lb/sq ft)            0.55       0.84       0.35
  Alpha                       1.07    Stream Power (lb/ft s)      1.09       2.21       0.50
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    152411.20   24429.66   94925.47
  C & E Loss (ft)             0.00    Cum SA (acres)           1322.17     146.82     870.79


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21047

INPUT
Description:
Station Elevation Data    num=      24
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     742     150     730     300     710     600     692     800     680
    1400     662    1700     659    2800     650    3050     640    3200     630
    3600     620    3700     620    3800     605    3900     605    4000     630
    4100     650    4200     660    4300     705    4400     705    4450     700
    4550     700    4900     710    5000     728    5200     742

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3600     .15    4000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3600    4000            95.33   95.33   95.33             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.52    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.45    Reach Len. (ft)            95.33      95.33      95.33
  Crit W.S. (ft)                      Flow Area (sq ft)       344524.20   58680.47   73516.41
  E.G. Slope (ft/ft)      0.000092    Area (sq ft)            344524.20   58680.47   73516.41
  Q Total (cfs)           944490.80    Flow (cfs)              683384.90   154301.50   106804.40
  Top Width (ft)           5200.00    Top Width (ft)           3600.00     400.00    1200.00
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            1.98       2.63       1.45
  Max Chl Dpth (ft)         155.45    Hydr. Depth (ft)           95.70     146.70      61.26
  Conv. Total (cfs)       98286220.0    Conv. (cfs)             71114850.0   16057020.0   11114350.0
  Length Wtd. (ft)           95.33    Wetted Per. (ft)         3622.14     404.20    1233.08
  Min Ch El (ft)            605.00    Shear (lb/sq ft)            0.55       0.84       0.34
  Alpha                       1.07    Stream Power (lb/ft s)      1.09       2.20       0.50
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    152332.40   24416.23   94908.59
  C & E Loss (ft)             0.00    Cum SA (acres)           1321.35     146.73     870.52


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 20951.6*

INPUT
Description:
Station Elevation Data    num=      38
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.56  150.58  728.65  234.67  717.78  301.16  709.44  375.47  705.25
  602.31  691.91  803.09   680.1  938.67  675.95  1405.4  662.04 1501.88  660.98
 1706.56  658.81 1971.21  656.46  2810.8     650 2816.02   649.8 3061.77  640.04
 3212.35  630.28 3613.89     620 3709.72  619.58 3805.56     605 3805.56  604.83
```

```
 3911.11  604.83 4008.33  629.72 4112.73  649.73    4154   653.9 4217.13  659.88
 4270.54  681.86 4321.53  702.71 4328.81  702.72 4387.08  703.06 4425.93  703.06
 4478.12  698.33 4561.89  698.33 4582.52  698.38  4824.1  705.13 4947.92  708.86
 5052.31   726.3  5086.3   728.6 5261.11  741.22

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3613.89     .15 4008.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3613.89 4008.33            95.33   95.33   95.33             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.51    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.44    Reach Len. (ft)            95.33      95.33      95.33
  Crit W.S. (ft)                      Flow Area (sq ft)       346427.40   58021.79   78344.27
  E.G. Slope (ft/ft)      0.000090    Area (sq ft)            346427.40   58021.79   78344.27
  Q Total (cfs)           944490.80    Flow (cfs)             679446.10   150926.60   114118.10
  Top Width (ft)           5261.11    Top Width (ft)           3613.89     394.44    1252.78
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            1.96       2.60       1.46
  Max Chl Dpth (ft)         155.61    Hydr. Depth (ft)           95.86     147.10      62.54
  Conv. Total (cfs)       99490540.0    Conv. (cfs)            71571330.0   15898270.0   12020950.0
  Length Wtd. (ft)           95.33    Wetted Per. (ft)         3637.29     398.85    1285.19
  Min Ch El (ft)            604.83    Shear (lb/sq ft)            0.54       0.82       0.34
  Alpha                       1.07    Stream Power (lb/ft s)      1.05       2.13       0.50
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    151576.30   24288.53   94742.41
  C & E Loss (ft)             0.00    Cum SA (acres)           1313.46     145.86     867.83


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 20856.3*

INPUT
Description:
Station Elevation Data    num=      38
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.11  151.16   727.3  235.57  716.74  302.31  708.89  376.91  704.94
  604.63  691.81  806.17   680.2  942.28  675.95  1410.8  662.08 1507.65  660.92
 1713.12  658.63 1978.79  656.08  2821.6     650 2826.84  649.82 3073.53  640.08
 3224.69  630.57 3627.78     620 3719.44  619.17 3811.11     605 3811.11  604.67
 3922.22  604.67 4016.67  629.44 4125.46  649.45 4168.48  653.85 4234.26  659.76
 4289.92  680.69 4343.06  700.42 4350.65  700.44 4411.37  701.11 4451.85  701.11
 4506.25  696.67 4593.54  696.67 4615.05  696.75  4866.8  703.65 4995.83  707.72
 5104.63   724.6 5140.05  726.91 5322.22  740.44

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3627.78     .15 4016.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3627.78 4016.67            95.33   95.33   95.33             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.50    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.44    Reach Len. (ft)            95.33      95.33      95.33
  Crit W.S. (ft)                      Flow Area (sq ft)       348330.00   57359.35   83308.69
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)            348330.00   57359.35   83308.69
  Q Total (cfs)           944490.80    Flow (cfs)             675341.10   147559.70   121590.00
  Top Width (ft)           5322.22    Top Width (ft)           3627.78     388.89    1305.55
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.94       2.57       1.46
  Max Chl Dpth (ft)         155.77    Hydr. Depth (ft)           96.02     147.50      63.81
  Conv. Total (cfs)       100733300.0    Conv. (cfs)            72027500.0   15737770.0   12968000.0
  Length Wtd. (ft)           95.33    Wetted Per. (ft)         3652.46     393.51    1337.43
  Min Ch El (ft)            604.67    Shear (lb/sq ft)            0.52       0.80       0.34
  Alpha                       1.07    Stream Power (lb/ft s)      1.01       2.06       0.50
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    150816.10   24162.27   94565.52
  C & E Loss (ft)             0.00    Cum SA (acres)           1305.53     145.00     865.03


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 20761.*

INPUT
Description:
Station Elevation Data    num=      38
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.67  151.74  725.96  236.47  715.69  303.47  708.33  378.35  704.63
  606.94  691.72  809.26   680.3  945.89  675.96  1416.2  662.12 1513.42  660.87
 1719.68  658.44 1986.36   655.7 2832.41     650 2837.66  649.83  3085.3  640.13
 3237.04  630.85 3641.67     620 3729.17  618.75 3816.67     605 3816.67   604.5
 3933.33   604.5    4025  629.17 4138.19  649.18 4182.95  653.79 4251.39  659.65
  4309.3  679.52 4364.58  698.12 4372.48  698.17 4435.66  699.17 4477.78  699.17
 4534.38     695 4625.19     695 4647.57  695.13  4909.5  702.18 5043.75  706.57
 5156.94   722.9  5193.8  725.23 5383.33  739.67

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3641.67     .15    4025     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3641.67    4025            95.33   95.33   95.33             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.49    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.43    Reach Len. (ft)            95.33      95.33      95.33
  Crit W.S. (ft)                      Flow Area (sq ft)       350234.90   56694.75   88403.58
  E.G. Slope (ft/ft)      0.000086    Area (sq ft)            350234.90   56694.75   88403.58
  Q Total (cfs)           944490.80    Flow (cfs)             671086.60   144208.30   129195.80
```

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  Top Width (ft)           5383.33    Top Width (ft)           3641.67     383.33    1358.33
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.92       2.54       1.46
  Max Chl Dpth (ft)         155.93    Hydr. Depth (ft)           96.17     147.90      65.08
  Conv. Total (cfs)       102015200.0    Conv. (cfs)            72484620.0   15576060.0   13954550.0
  Length Wtd. (ft)           95.33    Wetted Per. (ft)         3667.63     388.17    1389.81
  Min Ch El (ft)            604.50    Shear (lb/sq ft)            0.51       0.78       0.34
  Alpha                       1.07    Stream Power (lb/ft s)      0.98       1.99       0.50
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    150051.70   24037.47   94377.63
  C & E Loss (ft)             0.00    Cum SA (acres)           1297.58     144.16     862.12


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 20665.6*

INPUT
Description:
Station Elevation Data    num=      38
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.22  152.31  724.61  237.37  714.65  304.63  707.78   379.8  704.32
  609.26  691.63  812.35   680.4  949.49  675.96  1421.6  662.16 1519.19  660.81
 1726.23  658.25 1993.94  655.32 2843.21     650 2848.48  649.84 3097.07  640.17
 3249.38  631.13 3655.56     620 3738.89  618.33 3822.22     605 3822.22  604.33
 3944.44  604.33 4033.33  628.89 4150.93   648.9 4197.42  653.74 4268.52  659.53
 4328.68  678.35 4386.11  695.83 4394.31  695.89 4459.95  697.22  4503.7  697.22
  4562.5  693.33 4656.85  693.33 4680.09  693.51  4952.2   700.7 5091.67  705.43
 5209.26   721.2 5247.55  723.55 5444.44  738.89

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3655.56     .15 4033.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3655.56 4033.33            95.33   95.33   95.33             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.48    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.42    Reach Len. (ft)            95.33      95.33      95.33
  Crit W.S. (ft)                      Flow Area (sq ft)       352152.00   56028.02   93637.60
  E.G. Slope (ft/ft)      0.000084    Area (sq ft)            352152.00   56028.02   93637.60
  Q Total (cfs)           944490.80    Flow (cfs)             666682.60   140868.70   136939.50
  Top Width (ft)           5444.44    Top Width (ft)           3655.56     377.77    1411.11
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.89       2.51       1.46
  Max Chl Dpth (ft)         156.09    Hydr. Depth (ft)           96.33     148.31      66.36
  Conv. Total (cfs)       103342600.0    Conv. (cfs)            72945860.0   15413310.0   14983400.0
  Length Wtd. (ft)           95.33    Wetted Per. (ft)         3682.82     382.85    1442.34
  Min Ch El (ft)            604.33    Shear (lb/sq ft)            0.50       0.76       0.34
  Alpha                       1.07    Stream Power (lb/ft s)      0.94       1.92       0.50
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    149283.10   23914.13   94178.44
  C & E Loss (ft)             0.00    Cum SA (acres)           1289.59     143.32     859.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 20570.3*

INPUT
Description:
Station Elevation Data    num=      38
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  734.78  152.89  723.26  238.28   713.6  305.79  707.22  381.24  704.01
  611.57  691.54  815.43  680.49   953.1  675.96 1427.01  662.21 1524.96  660.75
 1732.79  658.07 2001.52  654.94 2854.01     650 2859.31  649.85 3108.83  640.21
 3261.73  631.42 3669.44     620 3748.61  617.92 3827.78     605 3827.78  604.17
 3955.56  604.17 4041.67  628.61 4163.66  648.63 4211.89  653.69 4285.65  659.41
 4348.06  677.18 4407.64  693.54 4416.15  693.61 4484.24  695.28 4529.63  695.28
 4590.62  691.67  4688.5  691.67 4712.62  691.89  4994.9  699.22 5139.58  704.29
 5261.57   719.5 5301.29  721.87 5505.56  738.11

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3669.44     .15 4041.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3669.44 4041.67            95.33   95.33   95.33             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.47    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.42    Reach Len. (ft)            95.33      95.33      95.33
  Crit W.S. (ft)                      Flow Area (sq ft)       354067.00   55358.98   99001.84
  E.G. Slope (ft/ft)      0.000081    Area (sq ft)            354067.00   55358.98   99001.84
  Q Total (cfs)           944490.80    Flow (cfs)             662140.80   137549.90   144800.10
  Top Width (ft)           5505.56    Top Width (ft)           3669.44     372.23    1463.89
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.87       2.48       1.46
  Max Chl Dpth (ft)         156.25    Hydr. Depth (ft)           96.49     148.72      67.63
  Conv. Total (cfs)       104708700.0    Conv. (cfs)            73406660.0   15249140.0   16052920.0
  Length Wtd. (ft)           95.33    Wetted Per. (ft)         3698.00     377.54    1494.97
  Min Ch El (ft)            604.17    Shear (lb/sq ft)            0.49       0.74       0.34
  Alpha                       1.07    Stream Power (lb/ft s)      0.91       1.85       0.49
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    148510.30   23792.24   93967.64
  C & E Loss (ft)             0.00    Cum SA (acres)           1281.58     142.50     855.94


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 20475.*

INPUT
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Description:
Station Elevation Data    num=      38
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  733.33  153.47  721.91  239.18  712.55  306.94  706.67  382.68  703.71
  613.89  691.44  818.52  680.59  956.71  675.97 1432.41  662.25 1530.74  660.69
 1739.35  657.88 2009.09  654.56 2864.81     650 2870.13  649.86  3120.6  640.25
 3274.07   631.7 3683.33     620 3758.33   617.5 3833.33     605 3833.33     604
 3966.67     604    4050  628.33 4176.39  648.36 4226.36  653.64 4302.78  659.29
 4367.44  676.02 4429.17  691.25 4437.98  691.33 4508.53  693.33 4555.56  693.33
 4618.75     690 4720.15     690 4745.14  690.26  5037.6  697.74  5187.5  703.15
 5313.89   717.8 5355.04  720.19 5566.67  737.33

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3683.33     .15    4050     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3683.33    4050            95.33   95.33   95.33             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.46    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.41    Reach Len. (ft)            95.33      95.33      95.33
  Crit W.S. (ft)                      Flow Area (sq ft)       355992.50   54686.80   104505.30
  E.G. Slope (ft/ft)      0.000079    Area (sq ft)            355992.50   54686.80   104505.30
  Q Total (cfs)           944490.80    Flow (cfs)             657462.70   134246.20   152781.90
  Top Width (ft)           5566.67    Top Width (ft)           3683.33     366.67    1516.67
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.85       2.45       1.46
  Max Chl Dpth (ft)         156.41    Hydr. Depth (ft)           96.65     149.14      68.90
  Conv. Total (cfs)       106120600.0    Conv. (cfs)            73870870.0   15083570.0   17166190.0
  Length Wtd. (ft)           95.33    Wetted Per. (ft)         3713.20     372.23    1547.71
  Min Ch El (ft)            604.00    Shear (lb/sq ft)            0.47       0.73       0.33
  Alpha                       1.06    Stream Power (lb/ft s)      0.88       1.78       0.49
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    147733.40   23671.82   93744.95
  C & E Loss (ft)             0.00    Cum SA (acres)           1273.53     141.69     852.68

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 20379.6*

INPUT
Description:
Station Elevation Data    num=      38
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  731.89  154.05  720.56  240.08  711.51   308.1  706.11  384.13   703.4
   616.2  691.35   821.6  680.69  960.32  675.97 1437.81  662.29 1536.51  660.63
 1745.91  657.69 2016.67  654.18 2875.62     650 2880.95  649.87 3132.37   640.3
 3286.42  631.98 3697.22     620 3768.06  617.08 3838.89     605 3838.89  603.83
 3977.78  603.83 4058.33  628.06 4189.12  648.08 4240.83  653.58 4319.91  659.17
 4386.82  674.85 4450.69  688.96 4459.82  689.06 4532.82  691.39 4581.48  691.39
 4646.88  688.33 4751.81  688.33 4777.66  688.64  5080.3  696.26 5235.42  702.01
  5366.2   716.1 5408.79   718.5 5627.78  736.56

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3697.22     .15 4058.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3697.22 4058.33            95.33   95.33   95.33             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.46    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.40    Reach Len. (ft)            95.33      95.33      95.33
  Crit W.S. (ft)                      Flow Area (sq ft)       357922.60   54011.40   110142.00
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            357922.60   54011.40   110142.00
  Q Total (cfs)           944490.80    Flow (cfs)             652662.80   130961.50   160866.60
  Top Width (ft)           5627.78    Top Width (ft)           3697.22     361.11    1569.45
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.82       2.42       1.46
  Max Chl Dpth (ft)         156.57    Hydr. Depth (ft)           96.81     149.57      70.18
  Conv. Total (cfs)       107575400.0    Conv. (cfs)            74336830.0   14916220.0   18322350.0
  Length Wtd. (ft)           95.33    Wetted Per. (ft)         3728.40     366.93    1600.54
  Min Ch El (ft)            603.83    Shear (lb/sq ft)            0.46       0.71       0.33
  Alpha                       1.06    Stream Power (lb/ft s)      0.84       1.72       0.48
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    146952.20   23552.88   93510.08
  C & E Loss (ft)             0.00    Cum SA (acres)           1265.46     140.90     849.30

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 20284.3*

INPUT
Description:
Station Elevation Data    num=      38
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  730.44  154.63  719.21  240.98  710.46  309.26  705.56  385.57  703.09
  618.52  691.26  824.69  680.79  963.92  675.97 1443.21  662.33 1542.28  660.58
 1752.47  657.51 2024.24   653.8 2886.42     650 2891.77  649.88 3144.14  640.34
 3298.77  632.27 3711.11     620 3777.78  616.67 3844.44     605 3844.44  603.67
 3988.89  603.67 4066.67  627.78 4201.85  647.81  4255.3  653.53 4337.04  659.06
  4406.2  673.68 4472.22  686.67 4481.65  686.78 4557.11  689.44 4607.41  689.44
    4675  686.67 4783.46  686.67 4810.19  687.02    5123  694.78 5283.33  700.86
 5418.52   714.4 5462.53  716.82 5688.89  735.78

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3711.11     .15 4066.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3711.11 4066.67            95.33   95.33   95.33             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
```

```
  E.G. Elev (ft)            760.45    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.40    Reach Len. (ft)            95.33      95.33      95.33
  Crit W.S. (ft)                      Flow Area (sq ft)       359853.90   53332.71   115912.00
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            359853.90   53332.71   115912.00
  Q Total (cfs)           944490.80    Flow (cfs)             647743.40   127700.90   169046.60
  Top Width (ft)           5688.89    Top Width (ft)          3711.11     355.56     1622.22
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)           1.80       2.39       1.46
  Max Chl Dpth (ft)         156.73    Hydr. Depth (ft)           96.97     150.00      71.45
  Conv. Total (cfs)       109072300.0    Conv. (cfs)           74803120.0   14747240.0   19521950.0
  Length Wtd. (ft)           95.33    Wetted Per. (ft)        3743.62     361.64     1653.45
  Min Ch El (ft)            603.67    Shear (lb/sq ft)           0.45       0.69       0.33
  Alpha                       1.06    Stream Power (lb/ft s)     0.81       1.65       0.48
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    146166.80   23435.42   93262.72
  C & E Loss (ft)             0.00    Cum SA (acres)          1257.35     140.11     845.81


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 20189.*

INPUT
Description:
Station Elevation Data    num=      38
     Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev
       0     729  155.21  717.87  241.88  709.42  310.42     705  387.01  702.78
  620.83  691.17  827.78  680.89  967.53  675.97 1448.61  662.37 1548.05  660.52
 1759.03  657.32 2031.82  653.42 2897.22     650  2902.6   649.9  3155.9  640.38
 3311.11  632.55    3725     620  3787.5  616.25    3850     605    3850   603.5
    4000   603.5    4075   627.5 4214.58  647.53 4269.77  653.48 4354.17  658.94
 4425.58  672.51 4493.75  684.38 4503.49   684.5  4581.4   687.5 4633.33   687.5
 4703.12     685 4815.12     685 4842.71  685.39  5165.7  693.31 5331.25  699.72
 5470.83   712.7 5516.28  715.14    5750     735

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3725     .15    4075     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3725    4075             95.33   95.33   95.33             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.44    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)            95.33      95.33      95.33
  Crit W.S. (ft)                      Flow Area (sq ft)       361793.90   52652.34   121817.90
  E.G. Slope (ft/ft)      0.000073    Area (sq ft)            361793.90   52652.34   121817.90
  Q Total (cfs)           944490.80    Flow (cfs)             642712.30   124466.20   177312.30
  Top Width (ft)           5750.00    Top Width (ft)          3725.00     350.00     1675.00
  Vel Total (ft/s)            1.76    Avg. Vel. (ft/s)           1.78       2.36       1.46
  Max Chl Dpth (ft)         156.89    Hydr. Depth (ft)           97.13     150.44      72.73
  Conv. Total (cfs)       110616000.0    Conv. (cfs)           75272560.0   14577110.0   20766290.0
  Length Wtd. (ft)           95.33    Wetted Per. (ft)        3758.84     356.36     1706.46
  Min Ch El (ft)            603.50    Shear (lb/sq ft)           0.44       0.67       0.32
  Alpha                       1.06    Stream Power (lb/ft s)     0.78       1.59       0.47
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    145377.10   23319.45   93002.59
  C & E Loss (ft)             0.00    Cum SA (acres)          1249.21     139.34     842.20


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 20093.6*

INPUT
Description:
Station Elevation Data    num=      38
     Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev
       0  727.56  155.79  716.52  242.78  708.37  311.57  704.44  388.46  702.47
  623.15  691.07  830.86  680.99  971.14  675.98 1454.01  662.41 1553.82  660.46
 1765.59  657.13 2039.39  653.04 2908.02     650 2913.42  649.91 3167.67  640.42
 3323.46  632.83 3738.89     620 3797.22  615.83 3855.56     605 3855.56  603.33
 4011.11  603.33 4083.33  627.22 4227.31  647.26 4284.24  653.42  4371.3  658.82
 4444.96  671.34 4515.28  682.08 4525.32  682.22 4605.68  685.56 4659.26  685.56
 4731.25  683.33 4846.77  683.33 4875.23  683.77  5208.4  691.83 5379.17  698.58
 5523.15     711 5570.03  713.46 5811.11  734.22

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3738.89     .15 4083.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3738.89 4083.33             95.33   95.33   95.33             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.43    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            95.33      95.33      95.33
  Crit W.S. (ft)                      Flow Area (sq ft)       363741.20   51969.24   127859.50
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            363741.20   51969.24   127859.50
  Q Total (cfs)           944490.80    Flow (cfs)             637578.30   121256.60   185656.00
  Top Width (ft)           5811.11    Top Width (ft)          3738.89     344.44     1727.78
  Vel Total (ft/s)            1.74    Avg. Vel. (ft/s)           1.75       2.33       1.45
  Max Chl Dpth (ft)         157.05    Hydr. Depth (ft)           97.29     150.88      74.00
  Conv. Total (cfs)       112206000.0    Conv. (cfs)           75744600.0   14405340.0   22056020.0
  Length Wtd. (ft)           95.33    Wetted Per. (ft)        3774.07     351.10     1759.53
  Min Ch El (ft)            603.33    Shear (lb/sq ft)           0.43       0.65       0.32
  Alpha                       1.06    Stream Power (lb/ft s)     0.75       1.53       0.47
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    144583.20   23204.97   92729.38
  C & E Loss (ft)             0.00    Cum SA (acres)          1241.05     138.58     838.48


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 19998.3*

INPUT
Description:
Station Elevation Data    num=      38
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  726.11  156.37  715.17  243.69  707.32  312.73  703.89   389.9  702.16
  625.46  690.98  833.95  681.09  974.75  675.98 1459.41  662.45  1559.6   660.4
 1772.15  656.95 2046.97  652.66 2918.83     650 2924.24  649.92 3179.44  640.46
  3335.8  633.12 3752.78     620 3806.94  615.42 3861.11     605 3861.11  603.17
 4022.22  603.17 4091.67  626.94 4240.05  646.99 4298.71  653.37 4388.43   658.7
 4464.34  670.18 4536.81  679.79 4547.16  679.94 4629.97  683.61 4685.19  683.61
 4759.38  681.67 4878.42  681.67 4907.75  682.15  5251.1  690.35 5427.08  697.44
 5575.46   709.3 5623.77  711.78 5872.22  733.44

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3752.78     .15 4091.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3752.78 4091.67            95.33   95.33   95.33             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.43    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            95.33      95.33      95.33
  Crit W.S. (ft)                      Flow Area (sq ft)       365689.10   51282.34   134032.40
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            365689.10   51282.34   134032.40
  Q Total (cfs)           944490.80    Flow (cfs)              632350.80   118074.60   194065.50
  Top Width (ft)           5872.22    Top Width (ft)           3752.78     338.89    1780.55
  Vel Total (ft/s)            1.71    Avg. Vel. (ft/s)            1.73       2.30       1.45
  Max Chl Dpth (ft)         157.21    Hydr. Depth (ft)           97.44     151.32      75.28
  Conv. Total (cfs)       113838800.0    Conv. (cfs)            76216750.0   14231440.0   23390560.0
  Length Wtd. (ft)           95.33    Wetted Per. (ft)         3789.31     345.86    1812.67
  Min Ch El (ft)            603.17    Shear (lb/sq ft)            0.41       0.64       0.32
  Alpha                       1.05    Stream Power (lb/ft s)      0.72       1.47       0.46
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    143785.00   23091.99   92442.81
  C & E Loss (ft)             0.00    Cum SA (acres)           1232.85     137.83     834.64


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 19903.*

INPUT
Description:
Station Elevation Data    num=      38
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  724.67  156.94  713.82  244.59  706.28  313.89  703.33  391.34  701.85
  627.78  690.89  837.04  681.19  978.35  675.98 1464.81  662.49 1565.37  660.35
  1778.7  656.76 2054.55  652.28 2929.63     650 2935.06  649.93  3191.2  640.51
 3348.15   633.4 3766.67     620 3816.67     615 3866.67     605 3866.67     603
 4033.33     603    4100  626.67 4252.78  646.71 4313.18  653.32 4405.56  658.58
 4483.72  669.01 4558.33   677.5 4568.99  677.67 4654.26  681.67 4711.11  681.67
  4787.5     680 4910.08     680 4940.28  680.52  5293.8  688.87    5475   696.3
 5627.78   707.6 5677.52  710.09 5933.33  732.67

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3766.67     .15    4100     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3766.67    4100            95.33   95.33   95.33             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            95.33      95.33      95.33
  Crit W.S. (ft)                      Flow Area (sq ft)       367643.10   50593.34   140344.40
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            367643.10   50593.34   140344.40
  Q Total (cfs)           944490.80    Flow (cfs)              627027.80   114920.60   202542.50
  Top Width (ft)           5933.33    Top Width (ft)           3766.67     333.33    1833.33
  Vel Total (ft/s)            1.69    Avg. Vel. (ft/s)            1.71       2.27       1.44
  Max Chl Dpth (ft)         157.37    Hydr. Depth (ft)           97.60     151.78      76.55
  Conv. Total (cfs)       115519800.0    Conv. (cfs)            76691220.0   14055830.0   24772790.0
  Length Wtd. (ft)           95.33    Wetted Per. (ft)         3804.55     340.65    1865.87
  Min Ch El (ft)            603.00    Shear (lb/sq ft)            0.40       0.62       0.31
  Alpha                       1.05    Stream Power (lb/ft s)      0.69       1.41       0.45
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    142982.60   22980.51   92142.58
  C & E Loss (ft)             0.00    Cum SA (acres)           1224.62     137.10     830.69


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 19807.6*

INPUT
Description:
Station Elevation Data    num=      38
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  723.22  157.52  712.47  245.49  705.23  315.05  702.78  392.79  701.54
  630.09   690.8  840.12  681.28  981.96  675.99 1470.22  662.53 1571.14  660.29
 1785.26  656.57 2062.12   651.9 2940.43     650 2945.89  649.94 3202.97  640.55
 3360.49  633.68 3780.56     620 3826.39  614.58 3872.22     605 3872.22  602.83
 4044.44  602.83 4108.33  626.39 4265.51  646.44 4327.65  653.26 4422.69  658.47
  4503.1  667.84 4579.86  675.21 4590.83  675.39 4678.55  679.72 4737.04  679.72
 4815.62  678.33 4941.73  678.33  4972.8   678.9  5336.5  687.39 5522.92  695.15
 5680.09  705.91 5731.27  708.41 5994.44  731.89

Manning's n Values        num=       3
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```
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3780.56     .15 4108.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3780.56 4108.33             95.33   95.33   95.33             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            95.33      95.33      95.33
  Crit W.S. (ft)                      Flow Area (sq ft)       369605.20   49902.04   146791.40
  E.G. Slope (ft/ft)      0.000065    Area (sq ft)            369605.20   49902.04   146791.40
  Q Total (cfs)           944490.80    Flow (cfs)             621624.60   111797.80   211068.50
  Top Width (ft)           5994.44    Top Width (ft)           3780.56     327.77    1886.11
  Vel Total (ft/s)            1.67    Avg. Vel. (ft/s)            1.68       2.24       1.44
  Max Chl Dpth (ft)         157.54    Hydr. Depth (ft)           97.76     152.25      77.83
  Conv. Total (cfs)       117249000.0    Conv. (cfs)            77168390.0   13878560.0   26202010.0
  Length Wtd. (ft)           95.33    Wetted Per. (ft)         3819.81     335.46    1919.14
  Min Ch El (ft)            602.83    Shear (lb/sq ft)            0.39       0.60       0.31
  Alpha                       1.05    Stream Power (lb/ft s)      0.66       1.35       0.45
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    142175.90   22870.54   91828.38
  C & E Loss (ft)             0.00    Cum SA (acres)           1216.36     136.38     826.62


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 19712.3*

INPUT
Description:
Station Elevation Data    num=      38
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  721.78   158.1  711.13  246.39  704.18   316.2  702.22  394.23  701.24
  632.41   690.7  843.21  681.38  985.57  675.99 1475.62  662.58 1576.91  660.23
 1791.82  656.39  2069.7  651.52 2951.23     650 2956.71  649.95 3214.74  640.59
 3372.84  633.97 3794.44     620 3836.11  614.17 3877.78     605 3877.78  602.67
 4055.56  602.67 4116.67  626.11 4278.24  646.16 4342.12  653.21 4439.81  658.35
 4522.48  666.67 4601.39  672.92 4612.66  673.11 4702.84  677.78 4762.96  677.78
 4843.75  676.67 4973.38  676.67 5005.32  677.28  5379.2  685.91 5570.83  694.01
 5732.41  704.21 5785.01  706.73 6055.56  731.11

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3794.44     .15 4116.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3794.44 4116.67             95.33   95.33   95.33             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.36    Reach Len. (ft)            95.33      95.33      95.33
  Crit W.S. (ft)                      Flow Area (sq ft)       371563.20   49208.44   153369.50
  E.G. Slope (ft/ft)      0.000063    Area (sq ft)            371563.20   49208.44   153369.50
  Q Total (cfs)           944490.80    Flow (cfs)             616145.50   108709.30   219636.10
  Top Width (ft)           6055.56    Top Width (ft)           3794.44     322.23    1938.89
  Vel Total (ft/s)            1.65    Avg. Vel. (ft/s)            1.66       2.21       1.43
  Max Chl Dpth (ft)         157.69    Hydr. Depth (ft)           97.92     152.71      79.10
  Conv. Total (cfs)       119021400.0    Conv. (cfs)            77644460.0   13699160.0   27677760.0
  Length Wtd. (ft)           95.33    Wetted Per. (ft)         3835.06     330.30    1972.46
  Min Ch El (ft)            602.67    Shear (lb/sq ft)            0.38       0.59       0.31
  Alpha                       1.05    Stream Power (lb/ft s)      0.63       1.29       0.44
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    141364.90   22762.09   91499.94
  C & E Loss (ft)             0.00    Cum SA (acres)           1208.07     135.66     822.43


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 19617.*

INPUT
Description:
Station Elevation Data    num=      38
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  720.33  158.68  709.78  247.29  703.14  317.36  701.67  395.67  700.93
  634.72  690.61   846.3  681.48  989.18  675.99 1481.02  662.62 1582.68  660.17
 1798.38   656.2 2077.27  651.14 2962.04     650 2967.53  649.97  3226.5  640.63
 3385.19  634.25 3808.33     620 3845.83  613.75 3883.33     605 3883.33   602.5
 4066.67   602.5    4125  625.83 4290.97  645.89 4356.59  653.16 4456.94  658.23
 4541.86   665.5 4622.92  670.62  4634.5  670.83 4727.13  675.83 4788.89  675.83
 4871.88     675 5005.04     675 5037.85  675.66  5421.9  684.44 5618.75  692.87
 5784.72  702.51 5838.76  705.05 6116.67  730.33

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3808.33     .15    4125     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3808.33    4125             95.33   95.33   95.33             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.40    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.36    Reach Len. (ft)            95.33      95.33      95.33
  Crit W.S. (ft)                      Flow Area (sq ft)       373534.70   48511.63   160083.30
  E.G. Slope (ft/ft)      0.000061    Area (sq ft)            373534.70   48511.63   160083.30
  Q Total (cfs)           944490.80    Flow (cfs)             610606.30   105648.40   228236.20
  Top Width (ft)           6116.67    Top Width (ft)           3808.33     316.67    1991.67
  Vel Total (ft/s)            1.62    Avg. Vel. (ft/s)            1.63       2.18       1.43
  Max Chl Dpth (ft)         157.86    Hydr. Depth (ft)           98.08     153.19      80.38
  Conv. Total (cfs)       120844400.0    Conv. (cfs)            78124990.0   13517350.0   29202040.0
  Length Wtd. (ft)           95.33    Wetted Per. (ft)         3850.33     325.19    2025.82
  Min Ch El (ft)            602.50    Shear (lb/sq ft)            0.37       0.57       0.30
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  Alpha                        1.04    Stream Power (lb/ft s)      0.60       1.24       0.43
  Frctn Loss (ft)              0.01    Cum Volume (acre-ft)    140549.50   22655.16   91156.95
  C & E Loss (ft)              0.00    Cum SA (acres)           1199.75     134.96     818.13


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 19521.6*

INPUT
Description:
Station Elevation Data    num=      38
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  718.89  159.26  708.43   248.2  702.09  318.52  701.11  397.11  700.62
  637.04  690.52  849.38  681.58  992.78  675.99 1486.42  662.66 1588.46  660.12
 1804.94  656.01 2084.85  650.76 2972.84     650 2978.35  649.98 3238.27  640.68
 3397.53  634.53 3822.22     620 3855.56  613.33 3888.89     605 3888.89  602.33
 4077.78  602.33 4133.33  625.56  4303.7  645.61 4371.06  653.11 4474.07  658.11
 4561.24  664.34 4644.44  668.33 4656.33  668.56 4751.42  673.89 4814.81  673.89
    4900  673.33 5036.69  673.33 5070.37  674.03  5464.6  682.96 5666.67  691.73
 5837.04  700.81 5892.51  703.36 6177.78  729.56

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3822.22     .15 4133.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3822.22 4133.33            95.33   95.33   95.33             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.35    Reach Len. (ft)            95.33      95.33      95.33
  Crit W.S. (ft)                      Flow Area (sq ft)       375509.50   47811.68   166934.30
  E.G. Slope (ft/ft)      0.000059    Area (sq ft)            375509.50   47811.68   166934.30
  Q Total (cfs)           944490.80    Flow (cfs)              605005.40   102615.00   236870.40
  Top Width (ft)           6177.78    Top Width (ft)           3822.22     311.11    2044.45
  Vel Total (ft/s)            1.60    Avg. Vel. (ft/s)            1.61       2.15       1.42
  Max Chl Dpth (ft)         158.02    Hydr. Depth (ft)           98.24     153.68      81.65
  Conv. Total (cfs)       122715400.0    Conv. (cfs)            78606870.0   13332510.0   30775990.0
  Length Wtd. (ft)           95.33    Wetted Per. (ft)         3865.60     320.13    2079.23
  Min Ch El (ft)            602.33    Shear (lb/sq ft)            0.36       0.55       0.30
  Alpha                       1.04    Stream Power (lb/ft s)      0.58       1.19       0.42
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    139729.90   22549.76   90799.11
  C & E Loss (ft)             0.00    Cum SA (acres)           1191.40     134.28     813.71


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 19426.3*

INPUT
Description:
Station Elevation Data    num=      38
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  717.44  159.84  707.08   249.1  701.05  319.68  700.56  398.56  700.31
  639.35  690.43  852.47  681.68  996.39     676 1491.82   662.7 1594.23  660.06
  1811.5  655.83 2092.42  650.38 2983.64     650 2989.18  649.99 3250.04  640.72
 3409.88  634.81 3836.11     620 3865.28  612.92 3894.44     605 3894.44  602.17
 4088.89  602.17 4141.67  625.28 4316.44  645.34 4385.53  653.05  4491.2  657.99
 4580.62  663.17 4665.97  666.04 4678.17  666.28 4775.71  671.94 4840.74  671.94
 4928.12  671.67 5068.35  671.67 5102.89  672.41  5507.3  681.48 5714.58  690.59
 5889.35  699.11 5946.25  701.68 6238.89  728.78

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3836.11     .15 4141.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3836.11 4141.67            95.33   95.33   95.33             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.35    Reach Len. (ft)            95.33      95.33      95.33
  Crit W.S. (ft)                      Flow Area (sq ft)       377486.60   47108.31   173918.10
  E.G. Slope (ft/ft)      0.000057    Area (sq ft)            377486.60   47108.31   173918.10
  Q Total (cfs)           944490.80    Flow (cfs)              599355.80   99610.48   245524.60
  Top Width (ft)           6238.89    Top Width (ft)           3836.11     305.56    2097.22
  Vel Total (ft/s)            1.58    Avg. Vel. (ft/s)            1.59       2.11       1.41
  Max Chl Dpth (ft)         158.18    Hydr. Depth (ft)           98.40     154.17      82.93
  Conv. Total (cfs)       124632700.0    Conv. (cfs)            79089500.0   13144350.0   32398810.0
  Length Wtd. (ft)           95.33    Wetted Per. (ft)         3880.89     315.13    2132.67
  Min Ch El (ft)            602.17    Shear (lb/sq ft)            0.35       0.54       0.29
  Alpha                       1.04    Stream Power (lb/ft s)      0.55       1.13       0.41
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    138906.00   22445.90   90426.13
  C & E Loss (ft)             0.00    Cum SA (acres)           1183.02     133.60     809.18


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 19331

INPUT
Description:
Station Elevation Data    num=      20
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     716     250     700     400     700    1000     676    1600     660
    2100     650    3000     650    3850     620    3900     605    3900     602
    4100     602    4150     625    4400     653    4600     662    4700     664
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    4800     670    5100     670    5550     680    6000     700    6300     728

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3850     .15    4150     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3850    4150             2054    2054    2054             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.38    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.34    Reach Len. (ft)          2054.00    2054.00    2054.00
  Crit W.S. (ft)                      Flow Area (sq ft)       379474.40   46403.20   181039.60
  E.G. Slope (ft/ft)      0.000056    Area (sq ft)            379474.40   46403.20   181039.60
  Q Total (cfs)           944490.80    Flow (cfs)             593666.70   96630.54   254193.60
  Top Width (ft)           6300.00    Top Width (ft)           3850.00     300.00     2150.00
  Vel Total (ft/s)            1.56    Avg. Vel. (ft/s)            1.56       2.08       1.40
  Max Chl Dpth (ft)         158.34    Hydr. Depth (ft)           98.56     154.68      84.20
  Conv. Total (cfs)       126601000.0    Conv. (cfs)            79576020.0   12952510.0   34072510.0
  Length Wtd. (ft)         2054.00    Wetted Per. (ft)         3896.18     310.24     2186.17
  Min Ch El (ft)            602.00    Shear (lb/sq ft)            0.34       0.52       0.29
  Alpha                       1.04    Stream Power (lb/ft s)      0.53       1.08       0.40
  Frctn Loss (ft)             0.12    Cum Volume (acre-ft)    138077.70   22343.57   90037.73
  C & E Loss (ft)             0.00    Cum SA (acres)           1174.61     132.94     804.53


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 17277

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     200     720     500     690     800     680    1000     665
    1200     650    2000     650    2200     620    2600     620    2800     610
    2900     595    3000     595    3100     622    3300     638    3450     645
    3600     650    4000     650    4600     660    4800     670    5150     690
    5600     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2600     .15    3100     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2600    3100             1536    1536    1536             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.26    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.22    Reach Len. (ft)          1536.00    1536.00    1536.00
  Crit W.S. (ft)                      Flow Area (sq ft)       254569.50   76509.52   235447.60
  E.G. Slope (ft/ft)      0.000059    Area (sq ft)            254569.50   76509.52   235447.60
  Q Total (cfs)           944490.80    Flow (cfs)             408441.00   166133.10   369916.80
  Top Width (ft)           5600.00    Top Width (ft)           2600.00     500.00     2500.00
  Vel Total (ft/s)            1.67    Avg. Vel. (ft/s)            1.60       2.17       1.57
  Max Chl Dpth (ft)         165.22    Hydr. Depth (ft)           97.91     153.02      94.18
  Conv. Total (cfs)       122463300.0    Conv. (cfs)            52958740.0   21540930.0   47963660.0
  Length Wtd. (ft)         1536.00    Wetted Per. (ft)         2645.24     504.95     2524.78
  Min Ch El (ft)            595.00    Shear (lb/sq ft)            0.36       0.56       0.35
  Alpha                       1.05    Stream Power (lb/ft s)      0.57       1.22       0.54
  Frctn Loss (ft)             0.10    Cum Volume (acre-ft)    123129.00   19445.70   80218.34
  C & E Loss (ft)             0.00    Cum SA (acres)           1022.54     114.08     694.90


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 15741

INPUT
Description:
Station Elevation Data    num=      30
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     200     720     450     710     700     708     800     704
     900     700     950     690    1200     690    1450     680    1475     670
    1575     670    1575     630    1900     620    2400     610    2450     600
    2550     593    2650     593    2700     600    2800     620    3000     625
    3050     625    3100     620    3200     620    3550     640    3600     640
    3800     650    4000     650    4300     660    4600     660    5600     750

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2400     .15    2800     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2400    2800             1270    1270    1270             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.17    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.12    Reach Len. (ft)          1270.00    1270.00    1270.00
  Crit W.S. (ft)                      Flow Area (sq ft)       210478.00   64021.34   268449.40
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            210478.00   64021.34   268449.40
  Q Total (cfs)           944490.80    Flow (cfs)             332367.20   153529.10   458594.50
  Top Width (ft)           5600.00    Top Width (ft)           2400.00     400.00     2800.00
  Vel Total (ft/s)            1.74    Avg. Vel. (ft/s)            1.58       2.40       1.71
  Max Chl Dpth (ft)         167.12    Hydr. Depth (ft)           87.70     160.05      95.87
  Conv. Total (cfs)       114308200.0    Conv. (cfs)            40225170.0   18581060.0   55502000.0
  Length Wtd. (ft)         1270.00    Wetted Per. (ft)         2483.85     403.70     2815.46
  Min Ch El (ft)            593.00    Shear (lb/sq ft)            0.36       0.68       0.41
  Alpha                       1.07    Stream Power (lb/ft s)      0.57       1.62       0.69
  Frctn Loss (ft)             0.07    Cum Volume (acre-ft)    114929.80   16968.02   71334.21
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  C & E Loss (ft)             0.00    Cum SA (acres)            934.39      98.21     601.46

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 14471

INPUT
Description:
Station Elevation Data    num=      18
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     100     720     550     670     650     670    2000     640
    2200     640    2750     630    2800     630    2800     620    3000     610
    3050     590    3200     590    3450     615    4400     630    4650     630
    4800     640    5000     740    5200     750

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3000     .15    3450     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3000    3450           145.86  145.86  145.86             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)           145.86     145.86     145.86
  Crit W.S. (ft)                      Flow Area (sq ft)       312395.40   72896.80   198959.80
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            312395.40   72896.80   198959.80
  Q Total (cfs)           944490.80    Flow (cfs)              474827.50   149395.20   320268.20
  Top Width (ft)           5200.00    Top Width (ft)           3000.00     450.00    1750.00
  Vel Total (ft/s)            1.62    Avg. Vel. (ft/s)            1.52       2.05       1.61
  Max Chl Dpth (ft)         170.05    Hydr. Depth (ft)          104.13     161.99     113.69
  Conv. Total (cfs)       134650800.0    Conv. (cfs)            67693520.0   21298440.0   45658860.0
  Length Wtd. (ft)          145.86    Wetted Per. (ft)         3053.49     455.10    1784.36
  Min Ch El (ft)            590.00    Shear (lb/sq ft)            0.31       0.49       0.34
  Alpha                       1.03    Stream Power (lb/ft s)      0.48       1.01       0.55
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    107307.60   14972.08   64520.51
  C & E Loss (ft)             0.00    Cum SA (acres)            855.67      85.82     535.13

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 14325.1*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  110.48  718.35  382.42  690.84  478.02  682.32  607.62  668.47
  637.36  667.86   718.1   667.5 1115.38  658.86 1338.46  655.02 1529.67  650.29
 1529.67  649.72 1593.41  647.77 1848.35  643.37 1912.09  642.56 2209.52  637.83
 2230.77  637.86 2294.51  638.57 2430.48  638.57  3038.1     630 3059.34     630
 3093.33  629.62 3093.33  621.05 3123.08  619.56 3250.55  613.04 3314.29     610
 3364.29  589.71 3521.43  589.71 3757.14  613.57 4440.91  625.33 4699.39  629.21
 4861.69  629.43 4947.35  629.89 4966.88  631.13 5096.12  645.01 5282.47  734.81
 5294.49  740.02 5492.86  748.86

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3314.29     .15 3757.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3314.29 3757.14           145.86  145.86  145.86             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)           145.86     145.86     145.86
  Crit W.S. (ft)                      Flow Area (sq ft)       351614.20   72113.65   197571.30
  E.G. Slope (ft/ft)      0.000043    Area (sq ft)            351614.20   72113.65   197571.30
  Q Total (cfs)           944490.80    Flow (cfs)              507490.10   138872.30   298128.40
  Top Width (ft)           5492.86    Top Width (ft)           3314.29     442.85    1735.72
  Vel Total (ft/s)            1.52    Avg. Vel. (ft/s)            1.44       1.93       1.51
  Max Chl Dpth (ft)         170.34    Hydr. Depth (ft)          106.09     162.84     113.83
  Conv. Total (cfs)       143765200.0    Conv. (cfs)            77247350.0   21138380.0   45379460.0
  Length Wtd. (ft)          145.86    Wetted Per. (ft)         3366.64     448.01    1769.61
  Min Ch El (ft)            589.71    Shear (lb/sq ft)            0.28       0.43       0.30
  Alpha                       1.03    Stream Power (lb/ft s)      0.41       0.84       0.45
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    106195.90   14729.30   63856.62
  C & E Loss (ft)             0.00    Cum SA (acres)            845.10      84.33     529.29

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 14179.2*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  120.95  716.7  418.68  689.04  523.35   681.6  665.24  666.94
   697.8  665.71  786.19  664.99 1221.15  655.72 1465.38  652.52 1674.73  646.91
 1674.73  645.77 1744.51  643.14 2023.63  639.47 2093.41  639.13 2419.05  635.66
 2442.31  635.71 2512.09  637.14 2660.95  637.14 3326.19     630 3349.45     630
 3386.67  629.24 3386.67   622.1 3419.23  620.47 3558.79   613.2 3628.57     610
 3678.57  589.43 3842.86  589.43 4064.29  612.14 4742.42  624.78 4998.78  628.42
 5159.74  628.86 5244.69  629.79 5264.07  630.94 5392.24  650.01 5577.06  735.67
 5588.98  740.03 5785.71  747.71
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3628.57     .15 4064.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3628.57 4064.29           145.86  145.86  145.86             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.04    Reach Len. (ft)           145.86     145.86     145.86
  Crit W.S. (ft)                      Flow Area (sq ft)       392065.20   71310.59   196179.90
  E.G. Slope (ft/ft)      0.000038    Area (sq ft)            392065.20   71310.59   196179.90
  Q Total (cfs)           944490.80    Flow (cfs)              537603.20   129148.30   277739.30
  Top Width (ft)           5785.71    Top Width (ft)           3628.57     435.72    1721.42
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.37       1.81       1.42
  Max Chl Dpth (ft)         170.61    Hydr. Depth (ft)          108.05     163.66     113.96
  Conv. Total (cfs)       153348100.0    Conv. (cfs)            87285570.0   20968600.0   45093910.0
  Length Wtd. (ft)          145.86    Wetted Per. (ft)         3679.92     440.95    1755.16
  Min Ch El (ft)            589.43    Shear (lb/sq ft)            0.25       0.38       0.26
  Alpha                       1.03    Stream Power (lb/ft s)      0.35       0.69       0.37
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    104950.80   14489.17   63197.38
  C & E Loss (ft)             0.00    Cum SA (acres)            833.47      82.85     523.51


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 14033.4*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  131.43  715.05  454.95  687.23  568.68  680.88  722.86  665.41
  758.24  663.57  854.29  662.49 1326.92  652.58 1592.31  650.01 1819.78  643.53
 1819.78  641.81  1895.6  638.51  2198.9  635.58 2274.73   635.7 2628.57  633.49
 2653.85  633.57 2729.67  635.71 2891.43  635.71 3614.29     630 3639.56     630
    3680  628.86    3680  623.14 3715.38  621.37 3867.03  613.36 3942.86     610
 3992.86  589.14 4164.29  589.14 4371.43  610.71 5043.94  624.22 5298.16  627.62
 5457.79  628.29 5542.04  629.68 5561.26  630.75 5688.37  655.02 5871.65  736.54
 5883.47  740.05 6078.57  746.57

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3942.86     .15 4371.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3942.86 4371.43           145.86  145.86  145.86             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.07    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.04    Reach Len. (ft)           145.86     145.86     145.86
  Crit W.S. (ft)                      Flow Area (sq ft)       433750.20   70486.97   194790.10
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            433750.20   70486.97   194790.10
  Q Total (cfs)           944490.80    Flow (cfs)              565370.40   120162.10   258958.30
  Top Width (ft)           6078.57    Top Width (ft)           3942.86     428.57    1707.14
  Vel Total (ft/s)            1.35    Avg. Vel. (ft/s)            1.30       1.70       1.33
  Max Chl Dpth (ft)         170.90    Hydr. Depth (ft)          110.01     164.47     114.10
  Conv. Total (cfs)       163409700.0    Conv. (cfs)            97816710.0   20789670.0   44803280.0
  Length Wtd. (ft)          145.86    Wetted Per. (ft)         3993.33     433.87    1741.04
  Min Ch El (ft)            589.14    Shear (lb/sq ft)            0.23       0.34       0.23
  Alpha                       1.03    Stream Power (lb/ft s)      0.30       0.58       0.31
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    103568.20   14251.77   62542.80
  C & E Loss (ft)             0.00    Cum SA (acres)            820.80      81.41     517.77


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 13887.5*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   141.9   713.4  491.21  685.42  614.01  680.16  780.48  663.88
  818.68  661.43  922.38  659.98 1432.69  649.43 1719.23  647.51 1964.84  640.15
 1964.84  637.86  2046.7  633.88 2374.18  631.68 2456.04  632.28  2838.1  631.31
 2865.38  631.43 2947.25  634.29  3121.9  634.29 3902.38     630 3929.67     630
 3973.33  628.48 3973.33  624.19 4011.54  622.28 4175.27  613.52 4257.14     610
 4307.14  588.86 4485.71  588.86 4678.57  609.29 5345.45  623.67 5597.55  626.83
 5755.84  627.71 5839.39  629.58 5858.44  630.56 5984.49  660.03 6166.23   737.4
 6177.96  740.07 6371.43  745.43

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 4257.14     .15 4678.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       4257.14 4678.57           145.86  145.86  145.86             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.04    Reach Len. (ft)           145.86     145.86     145.86
  Crit W.S. (ft)                      Flow Area (sq ft)       476665.50   69640.64   193387.30
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            476665.50   69640.64   193387.30
  Q Total (cfs)           944490.80    Flow (cfs)              591010.30   111849.70   241630.80
  Top Width (ft)           6371.43    Top Width (ft)           4257.14     421.43    1692.86
  Vel Total (ft/s)            1.28    Avg. Vel. (ft/s)            1.24       1.61       1.25
  Max Chl Dpth (ft)         171.18    Hydr. Depth (ft)          111.97     165.25     114.24
  Conv. Total (cfs)       173950600.0    Conv. (cfs)            108848700.0   20599790.0   44502100.0
  Length Wtd. (ft)          145.86    Wetted Per. (ft)         4306.80     426.79    1727.25
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  Min Ch El (ft)            588.86    Shear (lb/sq ft)            0.20       0.30       0.21
  Alpha                       1.02    Stream Power (lb/ft s)      0.25       0.48       0.26
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    102043.90   14017.16   61892.90
  C & E Loss (ft)             0.00    Cum SA (acres)            807.07      79.98     512.07


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 13741.7*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  152.38  711.75  527.47  683.61  659.34  679.44   838.1  662.35
  879.12  659.29  990.48  657.48 1538.46  646.29 1846.15  645.01 2109.89  636.76
 2109.89  633.91  2197.8  629.26 2549.45  627.79 2637.36  628.85 3047.62  629.14
 3076.92  629.29 3164.84  632.86 3352.38  632.86 4190.48     630 4219.78     630
 4266.67   628.1 4266.67  625.24 4307.69  623.19 4483.52  613.68 4571.43     610
 4621.43  588.57 4807.14  588.57 4985.71  607.86 5646.97  623.11 5896.94  626.04
  6053.9  627.14 6136.73  629.47 6155.63  630.38 6280.61  665.03 6460.82  738.27
 6472.45  740.08 6664.29  744.29

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 4571.43     .15 4985.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       4571.43 4985.71           145.86  145.86  145.86             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.04    Reach Len. (ft)           145.86     145.86     145.86
  Crit W.S. (ft)                      Flow Area (sq ft)       520810.80   68776.49   191989.60
  E.G. Slope (ft/ft)      0.000026    Area (sq ft)            520810.80   68776.49   191989.60
  Q Total (cfs)           944490.80    Flow (cfs)              614669.40   104164.50   225656.90
  Top Width (ft)           6664.29    Top Width (ft)           4571.43     414.28    1678.58
  Vel Total (ft/s)            1.21    Avg. Vel. (ft/s)            1.18       1.51       1.18
  Max Chl Dpth (ft)         171.47    Hydr. Depth (ft)          113.93     166.01     114.38
  Conv. Total (cfs)       184988200.0    Conv. (cfs)            120389300.0   20401680.0   44197210.0
  Length Wtd. (ft)          145.86    Wetted Per. (ft)         4620.34     419.72    1713.79
  Min Ch El (ft)            588.57    Shear (lb/sq ft)            0.18       0.27       0.18
  Alpha                       1.02    Stream Power (lb/ft s)      0.22       0.40       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    100373.90   13785.42   61247.69
  C & E Loss (ft)             0.00    Cum SA (acres)            792.29      78.59     506.43


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 13595.8*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  162.86   710.1  563.74  681.81  704.67  678.72  895.71  660.82
  939.56  657.14 1058.57  654.97 1644.23  643.14 1973.08   642.5 2254.95  633.38
 2254.95  629.95  2348.9  624.63 2724.73   623.9 2818.68  625.43 3257.14  626.97
 3288.46  627.14 3382.42  631.43 3582.86  631.43 4478.57     630 4509.89     630
    4560  627.71    4560  626.29 4603.85  624.09 4791.76  613.84 4885.71     610
 4935.71  588.29 5128.57  588.29 5292.86  606.43 5948.48  622.56 6196.33  625.25
 6351.95  626.57 6434.08  629.36 6452.81  630.19 6576.73  670.04 6755.41  739.13
 6766.94   740.1 6957.14  743.14

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 4885.71     .15 5292.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       4885.71 5292.86           145.86  145.86  145.86             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.05    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.03    Reach Len. (ft)           145.86     145.86     145.86
  Crit W.S. (ft)                      Flow Area (sq ft)       566196.90   67892.40   190582.20
  E.G. Slope (ft/ft)      0.000023    Area (sq ft)            566196.90   67892.40   190582.20
  Q Total (cfs)           944490.80    Flow (cfs)              636545.60   97048.21   210897.00
  Top Width (ft)           6957.14    Top Width (ft)           4885.71     407.15    1664.28
  Vel Total (ft/s)            1.15    Avg. Vel. (ft/s)            1.12       1.43       1.11
  Max Chl Dpth (ft)         171.74    Hydr. Depth (ft)          115.89     166.75     114.51
  Conv. Total (cfs)       196527100.0    Conv. (cfs)            132450700.0   20193530.0   43882880.0
  Length Wtd. (ft)          145.86    Wetted Per. (ft)         4933.93     412.66    1700.67
  Min Ch El (ft)            588.29    Shear (lb/sq ft)            0.17       0.24       0.16
  Alpha                       1.02    Stream Power (lb/ft s)      0.19       0.34       0.18
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    98553.98   13556.60   60607.17
  C & E Loss (ft)             0.00    Cum SA (acres)            776.45      77.21     500.83


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 13450

INPUT
Description:
Station Elevation Data    num=      25
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680     750     678    1000     655    1750     640
    2100     640    2400     630    2400     626    2500     620    2900     620
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    3000     622    3500     625    3600     630    4800     630    4900     625
    5100     614    5200     610    5250     588    5450     588    5600     605
    6250     622    6650     626    6750     630    7050     740    7250     742

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5200     .15    5600     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5200    5600             1321    1321    1321             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.05    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.03    Reach Len. (ft)          1321.00    1321.00    1321.00
  Crit W.S. (ft)                      Flow Area (sq ft)       612814.00   66987.63   189177.10
  E.G. Slope (ft/ft)      0.000021    Area (sq ft)            612814.00   66987.63   189177.10
  Q Total (cfs)           944490.80    Flow (cfs)             656767.50   90456.40   197267.00
  Top Width (ft)           7250.00    Top Width (ft)           5200.00     400.00    1650.00
  Vel Total (ft/s)            1.09    Avg. Vel. (ft/s)            1.07       1.35       1.04
  Max Chl Dpth (ft)         172.03    Hydr. Depth (ft)          117.85     167.47     114.65
  Conv. Total (cfs)       208576100.0    Conv. (cfs)          145036900.0   19975890.0   43563340.0
  Length Wtd. (ft)         1321.00    Wetted Per. (ft)         5247.59     405.59    1687.90
  Min Ch El (ft)            588.00    Shear (lb/sq ft)            0.15       0.21       0.14
  Alpha                       1.02    Stream Power (lb/ft s)      0.16       0.29       0.15
  Frctn Loss (ft)             0.02    Cum Volume (acre-ft)    96580.03   13330.78   59971.36
  C & E Loss (ft)             0.00    Cum SA (acres)            759.57      75.86     495.28


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 12129

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     770     400     740    1200     665    1200     650    1700     630
    2100     630    2400     620    3250     620    4100     615    4200     610
    4400     610    5000     620    5800     620    6400     610    7150     610
    7200     583    7400     583    7500     620    7800     715    8000     740
    8200     745

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    7150     .15    7500     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          7150    7500             738     738     738             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.03    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.01    Reach Len. (ft)           738.00     738.00     738.00
  Crit W.S. (ft)                      Flow Area (sq ft)       884619.60   59428.89   37757.78
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            884619.60   59428.89   37757.78
  Q Total (cfs)           944490.80    Flow (cfs)             855801.30   68506.93   20182.59
  Top Width (ft)           8066.82    Top Width (ft)           7016.82     350.00     700.00
  Vel Total (ft/s)            0.96    Avg. Vel. (ft/s)            0.97       1.15       0.53
  Max Chl Dpth (ft)         177.01    Hydr. Depth (ft)          126.07     169.80      53.94
  Conv. Total (cfs)       242698400.0    Conv. (cfs)          219908500.0   17603690.0   5186161.0
  Length Wtd. (ft)          738.00    Wetted Per. (ft)         7036.95     363.45     731.31
  Min Ch El (ft)            583.00    Shear (lb/sq ft)            0.12       0.15       0.05
  Alpha                       1.03    Stream Power (lb/ft s)      0.11       0.18       0.03
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    73874.45   11413.93   56530.35
  C & E Loss (ft)             0.00    Cum SA (acres)            574.32      64.49     459.65


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11391

INPUT
Description:
Station Elevation Data    num=      20
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     748     400     700     550     700     600     730     800     730
    1100     620    1800     610    2400     610    2600     612    2800     613
    2950     610    4200     610    4650     615    5000     612    5400     610
    6300     610    6400     582    6600     582    6675     610    6850     730

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    6300     .15    6675     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          6300    6675             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.00    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       829956.90   64298.93   15749.50
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            829956.90   64298.93   15749.50
  Q Total (cfs)           944490.80    Flow (cfs)             856107.70   78190.13   10193.00
  Top Width (ft)           6850.00    Top Width (ft)           6300.00     375.00     175.00
  Vel Total (ft/s)            1.04    Avg. Vel. (ft/s)            1.03       1.22       0.65
  Max Chl Dpth (ft)         178.00    Hydr. Depth (ft)          131.74     171.46      90.00
  Conv. Total (cfs)       233780800.0    Conv. (cfs)          211904100.0   19353650.0   2522977.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         6342.87     383.90     242.19
  Min Ch El (ft)            582.00    Shear (lb/sq ft)            0.13       0.17       0.07
  Alpha                       1.01    Stream Power (lb/ft s)      0.14       0.21       0.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    59350.14   10365.82   56077.08
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  C & E Loss (ft)             0.00    Cum SA (acres)            461.52      58.35     452.24

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11341.3*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  747.64  292.41  713.11  396.06  700.57  544.59  700.24   594.1  729.52
  792.13  729.08 1089.17  620.62 1364.56  616.11 1782.29  610.04 2376.38  609.82
 2436.72   610.4 2574.41  611.76 2772.44  612.74 2920.97   609.8 3021.53   609.8
 3898.75     610 4158.67     610 4604.24   614.9 4950.79  611.96 5346.86     610
 5458.25     610 5653.19   609.8    6238   609.8    6337  581.94    6536  581.94
  6613.5   609.8 6632.27  618.07 6637.63  620.58  6656.4  628.85 6688.58  642.68
  6699.3  647.49 6720.75  656.92 6742.21  666.34 6752.93  671.03 6766.34  676.62
  6771.7  678.92 6785.11  684.79 6790.47  687.09 6806.56  693.91 6817.28  698.22
 6825.33  701.68 6828.01  703.08 6830.69  704.19 6849.46  712.26 6870.91  722.88
    6887   729.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    6238     .15  6613.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          6238  6613.5             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.00    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       822172.00   64401.51   24723.14
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            822172.00   64401.51   24723.14
  Q Total (cfs)           944490.80    Flow (cfs)             848492.60   78372.02   17626.25
  Top Width (ft)           6887.00    Top Width (ft)           6238.00     375.50     273.50
  Vel Total (ft/s)            1.04    Avg. Vel. (ft/s)            1.03       1.22       0.71
  Max Chl Dpth (ft)         178.06    Hydr. Depth (ft)          131.80     171.51      90.40
  Conv. Total (cfs)       233737500.0    Conv. (cfs)          209980400.0   19395090.0   4362051.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         6280.50     384.20     328.91
  Min Ch El (ft)            581.94    Shear (lb/sq ft)            0.13       0.17       0.08
  Alpha                       1.01    Stream Power (lb/ft s)      0.14       0.21       0.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    58407.64   10292.40   56053.99
  C & E Loss (ft)             0.00    Cum SA (acres)            454.36      57.92     451.98

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11291.6*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  747.28   289.5  713.66  392.13  701.14  539.17  700.47  588.19  729.05
  784.25  728.16 1078.35  621.23    1351  616.19 1764.57  610.09 2352.76  609.65
  2412.5  610.18 2548.83  611.52 2744.89  612.48 2891.94   609.6  2991.5   609.6
    3860     610 4117.33     610 4558.48   614.8 4901.59  611.92 5293.71     610
    5404     610    5597   609.6    6176   609.6    6274  581.88    6472  581.88
    6552   609.6 6577.53  617.91 6584.82  620.56 6610.35  628.87 6654.12  642.42
 6668.71  647.34 6697.88  656.78 6727.06  666.21 6741.65  670.89 6759.88  676.18
 6767.18  678.44 6785.41  684.28 6792.71  686.54 6814.59  693.12 6829.18  697.04
 6840.12  700.42 6843.76  702.03 6847.41  703.08 6872.94  710.99 6902.12  722.82
    6924   729.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    6176     .15    6552     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          6176    6552             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.00    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       814375.40   64504.37   33775.29
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            814375.40   64504.37   33775.29
  Q Total (cfs)           944490.80    Flow (cfs)             840807.10   78548.69   25135.11
  Top Width (ft)           6924.00    Top Width (ft)           6176.00     376.00     372.00
  Vel Total (ft/s)            1.03    Avg. Vel. (ft/s)            1.03       1.22       0.74
  Max Chl Dpth (ft)         178.12    Hydr. Depth (ft)          131.86     171.55      90.79
  Conv. Total (cfs)       233707100.0    Conv. (cfs)          208051300.0   19436270.0   6219491.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         6218.16     384.51     421.43
  Min Ch El (ft)            581.88    Shear (lb/sq ft)            0.13       0.17       0.08
  Alpha                       1.01    Stream Power (lb/ft s)      0.14       0.21       0.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    57474.03   10218.86   56020.62
  C & E Loss (ft)             0.00    Cum SA (acres)            447.28      57.49     451.61

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11241.9*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  746.92  286.59  714.21  388.19   701.7  533.76  700.71  582.29  728.57
```

```
  776.38  727.24 1067.52  621.85 1337.44  616.27 1746.86  610.13 2329.14  609.47
 2388.28  609.97 2523.24  611.28 2717.33  612.22  2862.9   609.4 2961.47   609.4
 3821.25     610    4076     610 4512.71   614.7 4852.38  611.88 5240.57     610
 5349.75     610 5540.81   609.4    6114   609.4    6211  581.82    6408  581.82
  6490.5   609.4 6522.79  617.74 6532.02  620.55  6564.3  628.89 6619.66  642.16
 6638.11  647.19 6675.01  656.64 6711.91  666.08 6730.36  670.75 6753.43  675.74
 6762.65  677.95 6785.72  683.78 6794.94  685.99 6822.62  692.32 6841.07  695.85
 6854.91  699.16 6859.52  700.99 6864.13  701.98 6896.42  709.72 6933.32  722.76
    6961   729.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    6114     .15  6490.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          6114  6490.5             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       806577.30   64607.48   42905.80
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            806577.30   64607.48   42905.80
  Q Total (cfs)           944490.80    Flow (cfs)             833064.80   78719.52   32706.58
  Top Width (ft)           6961.00    Top Width (ft)           6114.00     376.50     470.50
  Vel Total (ft/s)            1.03    Avg. Vel. (ft/s)            1.03       1.22       0.76
  Max Chl Dpth (ft)         178.17    Hydr. Depth (ft)          131.92     171.60      91.19
  Conv. Total (cfs)       233691300.0    Conv. (cfs)           206121600.0   19477240.0   8092450.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         6155.81     384.83     516.45
  Min Ch El (ft)            581.82    Shear (lb/sq ft)            0.13       0.17       0.08
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.21       0.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    56549.31   10145.21   55976.88
  C & E Loss (ft)             0.00    Cum SA (acres)            440.27      57.06     451.13


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11192.2*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  746.56  283.69  714.76  384.25  702.27  528.35  700.94  576.38   728.1
  768.51  726.33  1056.7  622.47 1323.88  616.34 1729.14  610.18 2305.52  609.29
 2364.06  609.76 2497.65  611.04 2689.78  611.96 2833.87   609.2 2931.44   609.2
  3782.5     610 4034.67     610 4466.95   614.6 4803.17  611.84 5187.43     610
  5295.5     610 5484.62   609.2    6052   609.2    6148  581.76    6344  581.76
    6429   609.2 6468.05  617.58 6479.21  620.54 6518.25  628.92  6585.2  641.91
 6607.51  647.04 6652.14  656.49 6696.76  665.95 6719.08   670.6 6746.97  675.29
 6758.13  677.46 6786.02  683.27 6797.18  685.44 6830.65  691.53 6852.96  694.66
  6869.7  697.91 6875.27  699.95 6880.85  700.87  6919.9  708.45 6964.53  722.71
    6998   729.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    6052     .15    6429     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          6052    6429             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       798765.40   64710.88   52114.17
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            798765.40   64710.88   52114.17
  Q Total (cfs)           944490.80    Flow (cfs)             825252.90   78885.49   40352.41
  Top Width (ft)           6998.00    Top Width (ft)           6052.00     377.00     569.00
  Vel Total (ft/s)            1.03    Avg. Vel. (ft/s)            1.03       1.22       0.77
  Max Chl Dpth (ft)         178.23    Hydr. Depth (ft)          131.98     171.65      91.59
  Conv. Total (cfs)       233687800.0    Conv. (cfs)           204185800.0   19518010.0   9984075.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         6093.49     385.16     612.75
  Min Ch El (ft)            581.76    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.21       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    55633.50   10071.43   55922.67
  C & E Loss (ft)             0.00    Cum SA (acres)            433.33      56.63     450.54


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11142.6*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   746.2  280.78  715.31  380.32  702.84  522.94  701.18  570.48  727.62
  760.63  725.41 1045.87  623.08 1310.31  616.42 1711.43  610.22  2281.9  609.11
 2339.84  609.55 2472.06   610.8 2662.22   611.7 2804.84     609 2901.41     609
 3743.75     610 3993.33     610 4421.19   614.5 4753.97   611.8 5134.29     610
 5241.25     610 5428.44     609    5990     609    6085   581.7    6280   581.7
  6367.5     609 6413.31  617.41  6426.4  620.53 6472.21  628.94 6550.74  641.65
 6576.91  646.88 6629.26  656.35 6681.62  665.82 6707.79  670.46 6740.51  674.85
  6753.6  676.97 6786.32  682.76 6799.41  684.88 6838.68  690.74 6864.85  693.47
 6884.49  696.65 6891.03  698.91 6897.57  699.76 6943.38  707.18 6995.74  722.65
    7035     729

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5990     .15  6367.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5990  6367.5             49.7    49.7    49.7             .1       .3
```

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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)           49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       790954.20   64814.54   61402.36
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            790954.20   64814.54   61402.36
  Q Total (cfs)           944490.80    Flow (cfs)             817365.20   79043.34   48082.30
  Top Width (ft)           7035.00    Top Width (ft)          5990.00     377.50     667.50
  Vel Total (ft/s)            1.03    Avg. Vel. (ft/s)           1.03       1.22       0.78
  Max Chl Dpth (ft)         178.29    Hydr. Depth (ft)         132.05     171.69      91.99
  Conv. Total (cfs)       233706400.0    Conv. (cfs)           202250300.0   19558620.0   11897570.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)        6031.16     385.50     709.79
  Min Ch El (ft)            581.70    Shear (lb/sq ft)           0.13       0.17       0.09
  Alpha                       1.02    Stream Power (lb/ft s)     0.14       0.21       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    54726.60    9997.54   55857.91
  C & E Loss (ft)             0.00    Cum SA (acres)            426.46      56.20     449.83


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11092.9*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  745.84  277.88  715.85  376.38  703.41  517.52  701.41  564.57  727.15
  752.76  724.49 1035.05   623.7 1296.75   616.5 1693.71  610.26 2258.29  608.94
 2315.62  609.34 2446.48  610.56 2634.67  611.44 2775.81   608.8 2871.38   608.8
    3705     610    3952     610 4375.43   614.4 4704.76  611.76 5081.14     610
    5187     610 5372.25   608.8    5928   608.8    6022  581.64    6216  581.64
    6306   608.8 6358.57  617.25 6373.59  620.52 6426.16  628.96 6516.27  641.39
 6546.31  646.73 6606.39  656.21 6666.47  665.69 6696.51  670.32 6734.06  674.41
 6749.08  676.48 6786.63  682.26 6801.65  684.33 6846.71  689.94 6876.75  692.28
 6899.27  695.39 6906.78  697.86 6914.29  698.66 6966.86  705.91 7026.94  722.59
    7072   728.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5928     .15    6306     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5928    6306             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)           49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       783129.60   64918.47   70767.94
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            783129.60   64918.47   70767.94
  Q Total (cfs)           944490.80    Flow (cfs)             809396.80   79194.91   55899.20
  Top Width (ft)           7072.00    Top Width (ft)          5928.00     378.00     766.00
  Vel Total (ft/s)            1.03    Avg. Vel. (ft/s)           1.03       1.22       0.79
  Max Chl Dpth (ft)         178.35    Hydr. Depth (ft)         132.11     171.74      92.39
  Conv. Total (cfs)       233741700.0    Conv. (cfs)           200308800.0   19599080.0   13833880.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)        5968.84     385.85     807.29
  Min Ch El (ft)            581.64    Shear (lb/sq ft)           0.13       0.17       0.09
  Alpha                       1.02    Stream Power (lb/ft s)     0.14       0.21       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    53828.62    9923.53   55782.51
  C & E Loss (ft)             0.00    Cum SA (acres)            419.66      55.77     449.02


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11043.2*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  745.48  274.97   716.4  372.44  703.98  512.11  701.65  558.67  726.67
  744.89  723.57 1024.22  624.32 1283.19  616.58    1676  610.31 2234.67  608.76
 2291.41  609.12 2420.89  610.32 2607.11  611.18 2746.78   608.6 2841.34   608.6
 3666.25     610 3910.67     610 4329.67   614.3 4655.56  611.72    5028     610
 5132.75     610 5316.06   608.6    5866   608.6    5959  581.58    6152  581.58
  6244.5   608.6 6303.83  617.08 6320.78  620.51 6380.11  628.99 6481.81  641.13
 6515.72  646.58 6583.52  656.07 6651.32  665.56 6685.23  670.17  6727.6  673.97
 6744.55  675.99 6786.93  681.75 6803.88  683.78 6854.74  689.15 6888.64  691.09
 6914.06  694.13 6922.54  696.82 6931.01  697.55 6990.34  704.64 7058.15  722.53
    7109   728.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5866     .15  6244.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5866  6244.5             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)           49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       775296.20   65022.67   80212.16
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            775296.20   65022.67   80212.16
  Q Total (cfs)           944490.80    Flow (cfs)             801345.60   79338.98   63806.27
  Top Width (ft)           7109.00    Top Width (ft)          5866.00     378.50     864.50
  Vel Total (ft/s)            1.03    Avg. Vel. (ft/s)           1.03       1.22       0.80
  Max Chl Dpth (ft)         178.41    Hydr. Depth (ft)         132.17     171.79      92.78
  Conv. Total (cfs)       233797500.0    Conv. (cfs)           198363600.0   19639420.0   15794480.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)        5906.53     386.21     905.10
  Min Ch El (ft)            581.58    Shear (lb/sq ft)           0.13       0.17       0.09
  Alpha                       1.02    Stream Power (lb/ft s)     0.14       0.21       0.07
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  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    52939.57    9849.40   55696.38
  C & E Loss (ft)            0.00    Cum SA (acres)            412.93      55.34     448.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10993.5*

INPUT
Description:
Station Elevation Data    num=      46
     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev
       0   745.12  272.06   716.95  368.51   704.54   506.7   701.88  552.76    726.2
  737.02   722.65  1013.4   624.93 1269.62   616.66 1658.29   610.35 2211.05   608.58
 2267.19   608.91  2395.3   610.08 2579.56   610.92 2717.75    608.4 2811.31    608.4
  3627.5      610 3869.33      610  4283.9    614.2 4606.35   611.68 4974.86      610
  5078.5      610 5259.88    608.4    5804    608.4    5896   581.52    6088   581.52
    6183    608.4 6249.09   616.92 6267.97   620.49 6334.06   629.01 6447.35   640.87
 6485.12   646.42 6560.65   655.93 6636.18   665.44 6673.94   670.03 6721.15   673.53
 6740.03   675.51 6787.24   681.25 6806.12   683.22 6862.76   688.35 6900.53   689.91
 6928.85   692.87 6938.29   695.78 6947.74   696.45 7013.82   703.36 7089.35   722.47
    7146    728.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5804     .15    6183     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5804    6183             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       767461.60   65127.14   89735.42
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            767461.60   65127.14   89735.42
  Q Total (cfs)           944490.80    Flow (cfs)              793212.40   79474.34   71804.09
  Top Width (ft)           7146.00    Top Width (ft)           5804.00     379.00     963.00
  Vel Total (ft/s)            1.02    Avg. Vel. (ft/s)            1.03       1.22       0.80
  Max Chl Dpth (ft)         178.47    Hydr. Depth (ft)          132.23     171.84      93.18
  Conv. Total (cfs)       233877300.0    Conv. (cfs)            196417300.0   19679650.0   17780320.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         5844.24     386.58    1003.13
  Min Ch El (ft)            581.52    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.21       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    52059.46    9775.15   55599.43
  C & E Loss (ft)             0.00    Cum SA (acres)            406.28      54.90     447.04


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10943.8*

INPUT
Description:
Station Elevation Data    num=      46
     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev
       0   744.76  269.16    717.5  364.57   705.11  501.29   702.12  546.86   725.72
  729.14   721.73 1002.57   625.55 1256.06   616.74 1640.57    610.4 2187.43    608.4
 2242.97    608.7 2369.71   609.84    2552   610.66 2688.71    608.2 2781.28    608.2
 3588.75      610    3828      610 4238.14    614.1 4557.14   611.64 4921.71      610
 5024.25      610 5203.69    608.2    5742    608.2    5833   581.46    6024   581.46
  6121.5    608.2 6194.35   616.75 6215.16   620.48 6288.01   629.04 6412.89   640.61
 6454.52   646.27 6537.77   655.79 6621.03   665.31 6662.66   669.88 6714.69   673.09
  6735.5   675.02 6787.54   680.74 6808.35   682.67 6870.79   687.56 6912.42   688.72
 6943.64   691.61 6954.05   694.74 6964.46   695.34  7037.3   702.09 7120.56   722.41
    7183    728.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5742     .15  6121.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5742  6121.5             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       759612.30   65231.88   99336.35
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            759612.30   65231.88   99336.35
  Q Total (cfs)           944490.80    Flow (cfs)              784995.90   79602.74   79892.13
  Top Width (ft)           7183.00    Top Width (ft)           5742.00     379.50    1061.50
  Vel Total (ft/s)            1.02    Avg. Vel. (ft/s)            1.03       1.22       0.80
  Max Chl Dpth (ft)         178.53    Hydr. Depth (ft)          132.29     171.89      93.58
  Conv. Total (cfs)       233976300.0    Conv. (cfs)            194465100.0   19719790.0   19791470.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         5781.94     386.95    1101.31
  Min Ch El (ft)            581.46    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.21       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    51188.30    9700.79   55491.57
  C & E Loss (ft)             0.00    Cum SA (acres)            399.69      54.47     445.89


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10894.2*

INPUT
Description:
Station Elevation Data    num=      46
     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev
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       0   744.4  266.25  718.05  360.63  705.68  495.87  702.35  540.95  725.25
  721.27  720.81  991.75  626.16  1242.5  616.82 1622.86  610.44 2163.81  608.23
 2218.75  608.49 2344.13   609.6 2524.44   610.4 2659.68     608 2751.25     608
    3550     610 3786.67     610 4192.38     614 4507.94   611.6 4868.57     610
    4970     610  5147.5     608    5680     608    5770   581.4    5960   581.4
    6060     608 6139.61  616.59 6162.35  620.47 6241.96  629.06 6378.43  640.35
 6423.92  646.12  6514.9  655.65 6605.88  665.18 6651.37  669.74 6708.24  672.65
 6730.98  674.53 6787.84  680.24 6810.59  682.12 6878.82  686.76 6924.31  687.53
 6958.43  690.35  6969.8  693.69 6981.18  694.24 7060.78  700.82 7151.76  722.35
    7220     728

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5680     .15    6060     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5680    6060             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.01    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       751758.40   65336.89   109015.60
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            751758.40   65336.89   109015.60
  Q Total (cfs)           944490.80    Flow (cfs)             776698.80   79722.73   88069.34
  Top Width (ft)           7220.00    Top Width (ft)           5680.00     380.00    1160.00
  Vel Total (ft/s)            1.02    Avg. Vel. (ft/s)            1.03       1.22       0.81
  Max Chl Dpth (ft)         178.59    Hydr. Depth (ft)          132.35     171.94      93.98
  Conv. Total (cfs)       234098800.0    Conv. (cfs)           192510300.0   19759850.0   21828620.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         5719.67     387.33    1199.60
  Min Ch El (ft)            581.40    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.21       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    50326.10    9626.30   55372.71
  C & E Loss (ft)             0.00    Cum SA (acres)            393.17      54.04     444.62


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10844.5*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  744.04  263.34   718.6   356.7  706.25  490.46  702.59  535.05  724.77
   713.4   719.9  980.92  626.78 1228.94   616.9 1605.14  610.49 2140.19  608.05
 2194.53  608.28 2318.54  609.36 2496.89  610.14 2630.65   607.8 2721.22   607.8
 3511.25     610 3745.33     610 4146.62   613.9 4458.73  611.56 4815.43     610
 4915.75     610 5091.31   607.8    5618   607.8    5707  581.34    5896  581.34
  5998.5   607.8 6084.87  616.42 6109.54  620.46 6195.91  629.08 6343.97  640.09
 6393.32  645.96 6492.03  655.51 6590.74  665.05 6640.09   669.6 6701.78  672.21
 6726.46  674.04 6788.15  679.73 6812.82  681.56 6886.85  685.97 6936.21  686.34
 6973.22  689.09 6985.56  692.65  6997.9  693.13 7084.26  699.55 7182.97  722.29
    7257   727.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5618     .15  5998.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5618  5998.5             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       743891.40   65442.17   118775.50
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            743891.40   65442.17   118775.50
  Q Total (cfs)           944490.80    Flow (cfs)             768317.40   79835.05   96338.35
  Top Width (ft)           7257.00    Top Width (ft)           5618.00     380.50    1258.50
  Vel Total (ft/s)            1.02    Avg. Vel. (ft/s)            1.03       1.22       0.81
  Max Chl Dpth (ft)         178.65    Hydr. Depth (ft)          132.41     171.99      94.38
  Conv. Total (cfs)       234242700.0    Conv. (cfs)           190550000.0   19799850.0   23892820.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         5657.39     387.71    1297.99
  Min Ch El (ft)            581.34    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.21       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    49472.86    9551.69   55242.76
  C & E Loss (ft)             0.00    Cum SA (acres)            386.73      53.60     443.24


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10794.8*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  743.68  260.44  719.15  352.76  706.82  485.05  702.83  529.14   724.3
  705.52  718.98   970.1   627.4 1215.38  616.98 1587.43  610.53 2116.57  607.87
 2170.31  608.06 2292.95  609.12 2469.33  609.88 2601.62   607.6 2691.19   607.6
  3472.5     610    3704     610 4100.86   613.8 4409.52  611.52 4762.29     610
  4861.5     610 5035.12   607.6    5556   607.6    5644  581.28    5832  581.28
    5937   607.6 6030.13  616.26 6056.74  620.45 6149.86  629.11 6309.51  639.84
 6362.73  645.81 6469.16  655.36 6575.59  664.92  6628.8  669.45 6695.32  671.76
 6721.93  673.55 6788.45  679.22 6815.06  681.01 6894.88  685.18  6948.1  685.15
 6988.01  687.84 7001.31  691.61 7014.62  692.02 7107.75  698.28 7214.18  722.24
    7294   727.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5556     .15    5937     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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          5556    5937             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)           49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       736023.00   65547.71   128610.80
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            736023.00   65547.71   128610.80
  Q Total (cfs)           944490.80    Flow (cfs)             759862.90   79938.58   104689.40
  Top Width (ft)           7294.00    Top Width (ft)           5556.00     381.00     1357.00
  Vel Total (ft/s)            1.02    Avg. Vel. (ft/s)            1.03       1.22       0.81
  Max Chl Dpth (ft)         178.71    Hydr. Depth (ft)          132.47     172.04      94.78
  Conv. Total (cfs)       234411300.0    Conv. (cfs)           188588800.0   19839800.0   25982660.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         5595.13     388.10     1396.45
  Min Ch El (ft)            581.28    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.14       0.21       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    48628.61    9476.97   55101.63
  C & E Loss (ft)             0.00    Cum SA (acres)            380.35      53.17     441.75


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10745.1*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  743.32  257.53   719.7  348.83  707.38  479.63  703.06  523.24  723.82
  697.65  718.06  959.27  628.01 1201.81  617.06 1569.71  610.57 2092.95  607.69
 2146.09  607.85 2267.36  608.88 2441.78  609.62 2572.59   607.4 2661.16   607.4
 3433.75     610 3662.67     610  4055.1   613.7 4360.32  611.48 4709.14     610
 4807.25     610 4978.94   607.4    5494   607.4    5581  581.22    5768  581.22
  5875.5   607.4 5975.39  616.09 6003.93  620.44 6103.81  629.13 6275.05  639.58
 6332.13  645.66 6446.28  655.22 6560.44  664.79 6617.52  669.31 6688.87  671.32
 6717.41  673.06 6788.75  678.72 6817.29  680.46 6902.91  684.38 6959.99  683.96
  7002.8  686.58 7017.07  690.57 7031.34  690.92 7131.23  697.01 7245.38  722.18
    7331   727.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5494     .15  5875.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5494  5875.5             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)           49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       728152.40   65653.56   138525.80
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            728152.40   65653.56   138525.80
  Q Total (cfs)           944490.80    Flow (cfs)             751332.30   80032.98   113125.60
  Top Width (ft)           7331.00    Top Width (ft)           5494.00     381.50     1455.50
  Vel Total (ft/s)            1.01    Avg. Vel. (ft/s)            1.03       1.22       0.82
  Max Chl Dpth (ft)         178.77    Hydr. Depth (ft)          132.54     172.09      95.17
  Conv. Total (cfs)       234606000.0    Conv. (cfs)           186626500.0   19879720.0   28099740.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         5532.88     388.50     1494.96
  Min Ch El (ft)            581.22    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.14       0.21       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    47793.33    9402.12   54949.24
  C & E Loss (ft)             0.00    Cum SA (acres)            374.05      52.73     440.15


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10695.4*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  742.96  254.62  720.24  344.89  707.95  474.22   703.3  517.33  723.35
  689.78  717.14  948.44  628.63 1188.25  617.14    1552  610.62 2069.33  607.52
 2121.88  607.64 2241.78  608.64 2414.22  609.36 2543.56   607.2 2631.12   607.2
    3395     610 3621.33     610 4009.33   613.6 4311.11  611.44    4656     610
    4753     610 4922.75   607.2    5432   607.2    5518  581.16    5704  581.16
    5814   607.2 5920.65  615.93 5951.12  620.42 6057.76  629.15 6240.59  639.32
 6301.53  645.51 6423.41  655.08 6545.29  664.66 6606.24  669.17 6682.41  670.88
 6712.88  672.58 6789.06  678.21 6819.53  679.91 6910.94  683.59 6971.88  682.78
 7017.59  685.32 7032.82  689.52 7048.06  689.81 7154.71  695.74 7276.59  722.12
    7368   727.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5432     .15    5814     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5432    5814             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)           49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       720262.90   65759.67   148519.00
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            720262.90   65759.67   148519.00
  Q Total (cfs)           944490.80    Flow (cfs)             742723.30   80120.70   121646.80
  Top Width (ft)           7368.00    Top Width (ft)           5432.00     382.00     1554.00
  Vel Total (ft/s)            1.01    Avg. Vel. (ft/s)            1.03       1.22       0.82
  Max Chl Dpth (ft)         178.83    Hydr. Depth (ft)          132.60     172.15      95.57
  Conv. Total (cfs)       234819400.0    Conv. (cfs)           184655900.0   19919610.0   30243830.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         5470.65     388.90     1593.51
  Min Ch El (ft)            581.16    Shear (lb/sq ft)            0.13       0.17       0.09
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  Alpha                        1.03    Stream Power (lb/ft s)      0.14       0.21       0.08
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    46967.04    9327.15   54785.48
  C & E Loss (ft)              0.00    Cum SA (acres)            367.82      52.30     438.43


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10645.8*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   742.6  251.72  720.79  340.95  708.52  468.81  703.53  511.43  722.87
   681.9  716.22  937.62  629.25 1174.69  617.22 1534.29  610.66 2045.71  607.34
 2097.66  607.43 2216.19   608.4 2386.67   609.1 2514.52     607 2601.09     607
 3356.25     610    3580     610 3963.57   613.5  4261.9   611.4 4602.86     610
 4698.75     610 4866.56     607    5370     607    5455   581.1    5640   581.1
  5752.5     607 5865.91  615.76 5898.31  620.41 6011.72  629.18 6206.13  639.06
 6270.93  645.35 6400.54  654.94 6530.15  664.53 6594.95  669.02 6675.96  670.44
 6708.36  672.09 6789.36  677.71 6821.76  679.35 6918.97  682.79 6983.77  681.59
 7032.38  684.06 7048.58  688.48 7064.78  688.71 7178.19  694.47 7307.79  722.06
    7405     727

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5370     .15  5752.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5370  5752.5             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.99    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       712373.40   65866.05   158591.90
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            712373.40   65866.05   158591.90
  Q Total (cfs)           944490.80    Flow (cfs)             734043.60   80198.84   130248.40
  Top Width (ft)           7405.00    Top Width (ft)           5370.00     382.50    1652.50
  Vel Total (ft/s)            1.01    Avg. Vel. (ft/s)            1.03       1.22       0.82
  Max Chl Dpth (ft)         178.89    Hydr. Depth (ft)          132.66     172.20      95.97
  Conv. Total (cfs)       235060200.0    Conv. (cfs)            182685100.0   19959490.0   32415560.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         5408.42     389.30    1692.11
  Min Ch El (ft)            581.10    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.14       0.21       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    46149.75    9252.06   54610.29
  C & E Loss (ft)             0.00    Cum SA (acres)            361.66      51.86     436.60


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10596.1*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  742.24  248.81  721.34  337.02  709.09   463.4  703.77  505.52  722.39
  674.03   715.3  926.79  629.86 1161.12   617.3 1516.57  610.71  2022.1  607.16
 2073.44  607.21  2190.6  608.16 2359.11  608.84 2485.49   606.8 2571.06   606.8
  3317.5     610 3538.67     610 3917.81   613.4  4212.7  611.36 4549.71     610
  4644.5     610 4810.38   606.8    5308   606.8    5392  581.04    5576  581.04
    5691   606.8 5811.17   615.6  5845.5   620.4 5965.67   629.2 6171.67   638.8
 6240.33   645.2 6377.67   654.8    6515   664.4 6583.67  668.88  6669.5     670
 6703.83   671.6 6789.67   677.2    6824   678.8    6927     682 6995.67   680.4
 7047.17   682.8 7064.33  687.44  7081.5   687.6 7201.67   693.2    7339     722
    7442   726.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5308     .15    5691     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5308    5691             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       704474.40   65972.70   168742.30
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            704474.40   65972.70   168742.30
  Q Total (cfs)           944490.80    Flow (cfs)             725294.30   80269.02   138927.50
  Top Width (ft)           7442.00    Top Width (ft)           5308.00     383.00    1751.00
  Vel Total (ft/s)            1.01    Avg. Vel. (ft/s)            1.03       1.22       0.82
  Max Chl Dpth (ft)         178.94    Hydr. Depth (ft)          132.72     172.25      96.37
  Conv. Total (cfs)       235323700.0    Conv. (cfs)            180710000.0   19999350.0   34614340.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         5346.21     389.71    1790.74
  Min Ch El (ft)            581.04    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.14       0.21       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    45341.47    9176.85   54423.55
  C & E Loss (ft)             0.00    Cum SA (acres)            355.56      51.43     434.66


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10546.4*

INPUT
Description:
Station Elevation Data    num=      46
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.88  245.91  721.89  333.08  709.66  457.98     704  499.62  721.92
  666.16  714.38  915.97  630.48 1147.56  617.38 1498.86  610.75 1998.48  606.98
 2049.22     607 2165.02  607.92 2331.56  608.58 2456.46   606.6 2541.03   606.6
 3278.75     610 3497.33     610 3872.05   613.3 4163.49  611.32 4496.57     610
 4590.25     610 4754.19   606.6    5246   606.6    5329  580.98    5512  580.98
  5629.5   606.6 5756.43  615.44 5792.69  620.39 5919.62  629.22 6137.21  638.54
 6209.74  645.05 6354.79  654.66 6499.85  664.27 6572.38  668.74 6663.04  669.56
 6699.31  671.11 6789.97  676.69 6826.24  678.25 6935.03  681.21 7007.56  679.21
 7061.96  681.54 7080.09   686.4 7098.22  686.49 7225.15  691.93 7370.21  721.94
    7479   726.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5246     .15  5629.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5246  5629.5             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       696567.80   66079.62   178971.00
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            696567.80   66079.62   178971.00
  Q Total (cfs)           944490.80    Flow (cfs)             716477.30   80330.87   147682.70
  Top Width (ft)           7479.00    Top Width (ft)           5246.00     383.50    1849.50
  Vel Total (ft/s)            1.00    Avg. Vel. (ft/s)            1.03       1.22       0.83
  Max Chl Dpth (ft)         179.00    Hydr. Depth (ft)          132.78     172.31      96.77
  Conv. Total (cfs)       235611200.0    Conv. (cfs)          178731300.0   20039210.0   36840700.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         5284.01     390.12    1889.39
  Min Ch El (ft)            580.98    Shear (lb/sq ft)            0.13       0.17       0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.14       0.21       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    44542.21    9101.52   54225.18
  C & E Loss (ft)             0.00    Cum SA (acres)            349.54      50.99     432.60


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10496.7*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.52     243  722.44  329.14  710.22  452.57  704.24  493.71  721.44
  658.29  713.46  905.14   631.1    1134  617.46 1481.14  610.79 1974.86  606.81
    2025  606.79 2139.43  607.68    2304  608.32 2427.43   606.4    2511   606.4
    3240     610    3456     610 3826.29   613.2 4114.29  611.28 4443.43     610
    4536     610    4698   606.4    5184   606.4    5266  580.92    5448  580.92
    5568   606.4 5701.69  615.27 5739.88  620.38 5873.57  629.25 6102.75  638.28
 6179.14  644.89 6331.92  654.52 6484.71  664.14  6561.1  668.59 6656.59  669.12
 6694.78  670.62 6790.27  676.19 6828.47  677.69 6943.06  680.41 7019.45  678.02
 7076.75  680.28 7095.84  685.36 7114.94  685.39 7248.63  690.66 7401.41  721.88
    7516   726.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5184     .15    5568     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5184    5568             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       688652.90   66186.80   189279.40
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            688652.90   66186.80   189279.40
  Q Total (cfs)           944490.80    Flow (cfs)             707593.80   80384.23   156512.90
  Top Width (ft)           7516.00    Top Width (ft)           5184.00     384.00    1948.00
  Vel Total (ft/s)            1.00    Avg. Vel. (ft/s)            1.03       1.21       0.83
  Max Chl Dpth (ft)         179.06    Hydr. Depth (ft)          132.84     172.36      97.17
  Conv. Total (cfs)       235923200.0    Conv. (cfs)          176748900.0   20079080.0   39095150.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         5221.82     390.54    1988.06
  Min Ch El (ft)            580.92    Shear (lb/sq ft)            0.13       0.17       0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.14       0.21       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    43751.97    9026.06   54015.11
  C & E Loss (ft)             0.00    Cum SA (acres)            343.59      50.55     430.44


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10447.0*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.16  240.09  722.99  325.21  710.79  447.16  704.47  487.81  720.97
  650.41  712.55  894.32  631.71 1120.44  617.54 1463.43  610.84 1951.24  606.63
 2000.78  606.58 2113.84  607.44 2276.44  608.06  2398.4   606.2 2480.97   606.2
 3201.25     610 3414.67     610 3780.52   613.1 4065.08  611.24 4390.29     610
 4481.75     610 4641.81   606.2    5122   606.2    5203  580.86    5384  580.86
  5506.5   606.2 5646.95  615.11 5687.07  620.36 5827.52  629.27 6068.28  638.02
 6148.54  644.74 6309.05  654.38 6469.56  664.01 6549.81  668.45 6650.13  668.68
 6690.26  670.14 6790.58  675.68 6830.71  677.14 6951.09  679.62 7031.34  676.84
 7091.53  679.02  7111.6  684.31 7131.66  684.28 7272.11  689.39 7432.62  721.82
    7553   726.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5122     .15  5506.5     .15
```

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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5122  5506.5             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       680728.00   66294.25   199664.70
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            680728.00   66294.25   199664.70
  Q Total (cfs)           944490.80    Flow (cfs)             698647.60   80429.83   165413.50
  Top Width (ft)           7553.00    Top Width (ft)           5122.00     384.50    2046.50
  Vel Total (ft/s)            1.00    Avg. Vel. (ft/s)            1.03       1.21       0.83
  Max Chl Dpth (ft)         179.12    Hydr. Depth (ft)          132.90     172.42      97.56
  Conv. Total (cfs)       236257700.0    Conv. (cfs)           174761700.0   20118950.0   41377000.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         5159.65     390.96    2086.75
  Min Ch El (ft)            580.86    Shear (lb/sq ft)            0.13       0.17       0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.14       0.21       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    42970.77    8950.49   53793.22
  C & E Loss (ft)             0.00    Cum SA (acres)            337.71      50.11     428.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10397.4*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   740.8  237.19  723.54  321.27  711.36  441.75  704.71   481.9  720.49
  642.54  711.63  883.49  632.33 1106.88  617.62 1445.71  610.88 1927.62  606.45
 1976.56  606.37 2088.25   607.2 2248.89   607.8 2369.36     606 2450.94     606
  3162.5     610 3373.33     610 3734.76     613 4015.87   611.2 4337.14     610
  4427.5     610 4585.62     606    5060     606    5140   580.8    5320   580.8
    5445     606 5592.21  614.94 5634.26  620.35 5781.47  629.29 6033.82  637.76
 6117.94  644.59 6286.18  654.24 6454.41  663.88 6538.53  668.31 6643.68  668.24
 6685.74  669.65 6790.88  675.18 6832.94  676.59 6959.12  678.82 7043.24  675.65
 7106.32  677.76 7127.35  683.27 7148.38  683.18 7295.59  688.12 7463.82  721.76
    7590     726

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5060     .15    5445     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5060    5445             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       672799.40   66401.98   210129.00
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            672799.40   66401.98   210129.00
  Q Total (cfs)           944490.80    Flow (cfs)             689642.90   80466.35   174381.50
  Top Width (ft)           7590.00    Top Width (ft)           5060.00     385.00    2145.00
  Vel Total (ft/s)            0.99    Avg. Vel. (ft/s)            1.03       1.21       0.83
  Max Chl Dpth (ft)         179.18    Hydr. Depth (ft)          132.96     172.47      97.96
  Conv. Total (cfs)       236618800.0    Conv. (cfs)           172772900.0   20158850.0   43686970.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         5097.49     391.39    2185.46
  Min Ch El (ft)            580.80    Shear (lb/sq ft)            0.13       0.17       0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    42198.62    8874.79   53559.45
  C & E Loss (ft)             0.00    Cum SA (acres)            331.90      49.67     425.77


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10347.7*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.44  234.28  724.09  317.33  711.93  436.33  704.95     476  720.02
  634.67  710.71  872.67  632.95 1093.31   617.7    1428  610.93    1904  606.27
 1952.34  606.15 2062.67  606.96 2221.33  607.54 2340.33   605.8 2420.91   605.8
 3123.75     610    3332     610    3689   612.9 3966.67  611.16    4284     610
 4373.25     610 4529.44   605.8    4998   605.8    5077  580.74    5256  580.74
  5383.5   605.8 5537.47  614.78 5581.46  620.34 5735.42  629.32 5999.36  637.51
 6087.34  644.44  6263.3  654.09 6439.26  663.75 6527.25  668.16 6637.22  667.79
 6681.21  669.16 6791.19  674.67 6835.18  676.04 6967.15  678.03 7055.13  674.46
 7121.11  676.51 7143.11  682.23  7165.1  682.07 7319.07  686.85 7495.03  721.71
    7627   725.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4998     .15  5383.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4998  5383.5             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       664858.60   66509.97   220669.30
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            664858.60   66509.97   220669.30
  Q Total (cfs)           944490.80    Flow (cfs)             680581.20   80495.48   183414.10
  Top Width (ft)           7627.00    Top Width (ft)           4998.00     385.50    2243.50
  Vel Total (ft/s)            0.99    Avg. Vel. (ft/s)            1.02       1.21       0.83
  Max Chl Dpth (ft)         179.24    Hydr. Depth (ft)          133.02     172.53      98.36
  Conv. Total (cfs)       237001500.0    Conv. (cfs)           170778600.0   20198770.0   46024200.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         5035.34     391.82    2284.18
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  Min Ch El (ft)            580.74    Shear (lb/sq ft)            0.13       0.17       0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    41435.51    8798.96   53313.68
  C & E Loss (ft)             0.00    Cum SA (acres)            326.17      49.23     423.26


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10298.0*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.08  231.38  724.64   313.4   712.5  430.92  705.18   470.1  719.54
  626.79  709.79  861.84  633.56 1079.75  617.78 1410.29  610.97 1880.38   606.1
 1928.12  605.94 2037.08  606.72 2193.78  607.28  2311.3   605.6 2390.88   605.6
    3085     610 3290.67     610 3643.24   612.8 3917.46  611.12 4230.86     610
    4319     610 4473.25   605.6    4936   605.6    5014  580.68    5192  580.68
    5322   605.6 5482.73  614.61 5528.65  620.33 5689.37  629.34  5964.9  637.25
 6056.75  644.28 6240.43  653.95 6424.12  663.62 6515.96  668.02 6630.76  667.35
 6676.69  668.67 6791.49  674.16 6837.41  675.48 6975.18  677.24 7067.02  673.27
  7135.9  675.25 7158.86  681.19 7181.82  680.96 7342.55  685.58 7526.24  721.65
    7664   725.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4936     .15    5322     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4936    5322             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       656915.80   66618.23   231293.70
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            656915.80   66618.23   231293.70
  Q Total (cfs)           944490.80    Flow (cfs)             671461.60   80514.82   192514.40
  Top Width (ft)           7664.00    Top Width (ft)          4936.00     386.00    2342.00
  Vel Total (ft/s)            0.99    Avg. Vel. (ft/s)           1.02       1.21       0.83
  Max Chl Dpth (ft)         179.30    Hydr. Depth (ft)         133.09     172.59      98.76
  Conv. Total (cfs)       237413200.0    Conv. (cfs)           168782900.0   20238720.0   48391660.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)        4973.22     392.25    2382.92
  Min Ch El (ft)            580.68    Shear (lb/sq ft)           0.13       0.17       0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    40681.47    8723.02   53055.85
  C & E Loss (ft)             0.00    Cum SA (acres)            320.50      48.79     420.65


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10248.3*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.72  228.47  725.18  309.46  713.06  425.51  705.42  464.19  719.07
  618.92  708.87  851.02  634.18 1066.19  617.85 1392.57  611.02 1856.76  605.92
 1903.91  605.73 2011.49  606.48 2166.22  607.02 2282.27   605.4 2360.84   605.4
 3046.25     610 3249.33     610 3597.48   612.7 3868.25  611.08 4177.71     610
 4264.75     610 4417.06   605.4    4874   605.4    4951  580.62    5128  580.62
  5260.5   605.4 5427.99  614.45 5475.84  620.32 5643.32  629.36 5930.44  636.99
 6026.15  644.13 6217.56  653.81 6408.97  663.49 6504.68  667.88 6624.31  666.91
 6672.16  668.18 6791.79  673.66 6839.65  674.93 6983.21  676.44 7078.91  672.08
 7150.69  673.99 7174.62  680.14 7198.54  679.86 7366.03  684.31 7557.44  721.59
    7701   725.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4874     .15  5260.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4874  5260.5             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            760.00    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       648964.30   66726.76   241992.50
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            648964.30   66726.76   241992.50
  Q Total (cfs)           944490.80    Flow (cfs)             662293.60   80526.38   201670.90
  Top Width (ft)           7701.00    Top Width (ft)          4874.00     386.50    2440.50
  Vel Total (ft/s)            0.99    Avg. Vel. (ft/s)           1.02       1.21       0.83
  Max Chl Dpth (ft)         179.36    Hydr. Depth (ft)         133.15     172.64      99.16
  Conv. Total (cfs)       237848100.0    Conv. (cfs)           166783200.0   20278700.0   50786130.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)        4911.11     392.69    2481.67
  Min Ch El (ft)            580.62    Shear (lb/sq ft)           0.13       0.17       0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    39936.49    8646.95   52785.85
  C & E Loss (ft)             0.00    Cum SA (acres)            314.90      48.35     417.92


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10198.6*

INPUT
Description:
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Station Elevation Data     num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.36  225.56  725.73  305.52  713.63   420.1  705.65  458.29  718.59
  611.05  707.95  840.19  634.79 1052.62  617.93 1374.86  611.06 1833.14  605.74
 1879.69  605.52  1985.9  606.24 2138.67  606.76 2253.24   605.2 2330.81   605.2
  3007.5     610    3208     610 3551.71   612.6 3819.05  611.04 4124.57     610
  4210.5     610 4360.88   605.2    4812   605.2    4888  580.56    5064  580.56
    5199   605.2 5373.25  614.28 5423.03  620.31 5597.27  629.39 5895.98  636.73
 5995.55  643.98 6194.69  653.67 6393.82  663.36 6493.39  667.73 6617.85  666.47
 6667.64  667.69  6792.1  673.15 6841.88  674.38 6991.24  675.65  7090.8  670.89
 7165.48  672.73 7190.37   679.1 7215.26  678.75 7389.51  683.04 7588.65  721.53
    7738   725.2

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4812     .15    5199     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4812    5199             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       641008.40   66835.56   252770.30
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            641008.40   66835.56   252770.30
  Q Total (cfs)           944490.80    Flow (cfs)             653077.60   80529.18   210884.10
  Top Width (ft)           7738.00    Top Width (ft)          4812.00     387.00     2539.00
  Vel Total (ft/s)            0.98    Avg. Vel. (ft/s)           1.02       1.20       0.83
  Max Chl Dpth (ft)         179.42    Hydr. Depth (ft)         133.21     172.70      99.56
  Conv. Total (cfs)       238309200.0    Conv. (cfs)           164781300.0   20318720.0   53209220.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)        4849.01     393.12     2580.42
  Min Ch El (ft)            580.56    Shear (lb/sq ft)           0.13       0.17       0.10
  Alpha                       1.03    Stream Power (lb/ft s)     0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    39200.59    8570.75   52503.60
  C & E Loss (ft)             0.00    Cum SA (acres)            309.38      47.91     415.08


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10149.*

INPUT
Description:
Station Elevation Data     num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     739  222.66  726.28  301.59   714.2  414.68  705.89  452.38  718.12
  603.17  707.03  829.37  635.41 1039.06  618.01 1357.14   611.1 1809.52  605.56
 1855.47   605.3 1960.32     606 2111.11   606.5 2224.21     605 2300.78     605
 2968.75     610 3166.67     610 3505.95   612.5 3769.84     611 4071.43     610
 4156.25     610 4304.69     605    4750     605    4825   580.5    5000   580.5
  5137.5     605  5318.5  614.12 5370.22  620.29 5551.23  629.41 5861.52  636.47
 5964.95  643.82 6171.81  653.53 6378.68  663.24 6482.11  667.59  6611.4  666.03
 6663.11  667.21  6792.4  672.65 6844.12  673.82 6999.26  674.85  7102.7  669.71
 7180.27  671.47 7206.13  678.06 7231.99  677.65 7412.99  681.76 7619.85  721.47
    7775     725

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4750     .15  5137.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4750  5137.5             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       633041.40   66944.63   263628.20
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            633041.40   66944.63   263628.20
  Q Total (cfs)           944490.80    Flow (cfs)             643811.90   80523.98   220154.90
  Top Width (ft)           7775.00    Top Width (ft)          4750.00     387.50     2637.50
  Vel Total (ft/s)            0.98    Avg. Vel. (ft/s)           1.02       1.20       0.84
  Max Chl Dpth (ft)         179.48    Hydr. Depth (ft)         133.27     172.76      99.95
  Conv. Total (cfs)       238794500.0    Conv. (cfs)           162774200.0   20358780.0   55661500.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)        4786.94     393.57     2679.19
  Min Ch El (ft)            580.50    Shear (lb/sq ft)           0.13       0.17       0.10
  Alpha                       1.03    Stream Power (lb/ft s)     0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    38473.78    8494.43   52209.00
  C & E Loss (ft)             0.00    Cum SA (acres)            303.92      47.47     412.13


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10099.3*

INPUT
Description:
Station Elevation Data     num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.64  219.75  726.83  297.65  714.77  409.27  706.12  446.48  717.64
   595.3  706.12  818.54  636.03  1025.5  618.09 1339.43  611.15  1785.9  605.39
 1831.25  605.09 1934.73  605.76 2083.56  606.24 2195.17   604.8 2270.75   604.8
    2930     610 3125.33     610 3460.19   612.4 3720.64  610.96 4018.29     610
    4102     610  4248.5   604.8    4688   604.8    4762  580.44    4936  580.44
    5076   604.8 5263.76  613.95 5317.41  620.28 5505.18  629.44 5827.06  636.21
 5934.35  643.67 6148.94  653.39 6363.53  663.11 6470.82  667.44 6604.94  665.59
 6658.59  666.72 6792.71  672.14 6846.35  673.27 7007.29  674.06 7114.59  668.52
 7195.06  670.21 7221.88  677.02 7248.71  676.54 7436.47  680.49 7651.06  721.41
    7812   724.8

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4688     .15    5076     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4688    5076             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       625059.70   67053.98   274562.80
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            625059.70   67053.98   274562.80
  Q Total (cfs)           944490.80    Flow (cfs)              634500.40   80511.77   229478.60
  Top Width (ft)           7812.00    Top Width (ft)           4688.00     388.00    2736.00
  Vel Total (ft/s)            0.98    Avg. Vel. (ft/s)            1.02       1.20       0.84
  Max Chl Dpth (ft)         179.54    Hydr. Depth (ft)          133.33     172.82     100.35
  Conv. Total (cfs)       239301300.0    Conv. (cfs)            160760500.0   20398900.0   58141930.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         4724.88     394.01    2777.96
  Min Ch El (ft)            580.44    Shear (lb/sq ft)            0.13       0.17       0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    37756.06    8417.99   51901.98
  C & E Loss (ft)             0.00    Cum SA (acres)            298.54      47.03     409.06


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10049.6*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.28  216.84  727.38  293.71  715.34  403.86  706.36  440.57  717.17
  587.43   705.2  807.71  636.64 1011.94  618.17 1321.71  611.19 1762.29  605.21
 1807.03  604.88 1909.14  605.52    2056  605.98 2166.14   604.6 2240.72   604.6
 2891.25     610    3084     610 3414.43   612.3 3671.43  610.92 3965.14     610
 4047.75     610 4192.31   604.6    4626   604.6    4699  580.38    4872  580.38
  5014.5   604.6 5209.02  613.79  5264.6  620.27 5459.13  629.46  5792.6  635.95
 5903.75  643.52 6126.07  653.25 6348.38  662.98 6459.54   667.3 6598.49  665.15
 6654.06  666.23 6793.01  671.64 6848.59  672.72 7015.32  673.26 7126.48  667.33
 7209.85  668.95 7237.64  675.97 7265.43  675.44 7459.95  679.22 7682.26  721.35
    7849   724.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4626     .15  5014.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4626  5014.5             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       617079.30   67163.59   285575.40
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            617079.30   67163.59   285575.40
  Q Total (cfs)           944490.80    Flow (cfs)              625153.50   80490.12   238847.20
  Top Width (ft)           7849.00    Top Width (ft)           4626.00     388.50    2834.50
  Vel Total (ft/s)            0.97    Avg. Vel. (ft/s)            1.01       1.20       0.84
  Max Chl Dpth (ft)         179.60    Hydr. Depth (ft)          133.39     172.88     100.75
  Conv. Total (cfs)       239836900.0    Conv. (cfs)            158746800.0   20439060.0   60651070.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         4662.84     394.46    2876.74
  Min Ch El (ft)            580.38    Shear (lb/sq ft)            0.13       0.16       0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    37047.45    8341.42   51582.43
  C & E Loss (ft)             0.00    Cum SA (acres)            293.23      46.58     405.88


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9999.96*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.92  213.94  727.93  289.78   715.9  398.44  706.59  434.67  716.69
  579.56  704.28  796.89  637.26  998.38  618.25    1304  611.24 1738.67  605.03
 1782.81  604.67 1883.56  605.28 2028.44  605.72 2137.11   604.4 2210.69   604.4
  2852.5     610 3042.67     610 3368.67   612.2 3622.22  610.88    3912     610
  3993.5     610 4136.12   604.4    4564   604.4    4636  580.32    4808  580.32
    4953   604.4 5154.28  613.62 5211.79  620.26 5413.08  629.48 5758.14  635.69
 5873.16  643.36  6103.2  653.11 6333.24  662.85 6448.25  667.16 6592.03  664.71
 6649.54  665.74 6793.31  671.13 6850.82  672.16 7023.35  672.47 7138.37  666.14
 7224.64  667.69 7253.39  674.93 7282.15  674.33 7483.43  677.95 7713.47  721.29
    7886   724.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4564     .15    4953     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4564    4953             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       609087.30   67273.48   296671.60
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            609087.30   67273.48   296671.60
  Q Total (cfs)           944490.80    Flow (cfs)              615762.00   80460.27   248268.50
  Top Width (ft)           7886.00    Top Width (ft)           4564.00     389.00    2933.00
  Vel Total (ft/s)            0.97    Avg. Vel. (ft/s)            1.01       1.20       0.84
  Max Chl Dpth (ft)         179.66    Hydr. Depth (ft)          133.45     172.94     101.15
  Conv. Total (cfs)       240398000.0    Conv. (cfs)            156727800.0   20479280.0   63190940.0
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  Length Wtd. (ft)           49.70    Wetted Per. (ft)         4600.82     394.91    2975.53
  Min Ch El (ft)            580.32    Shear (lb/sq ft)            0.13       0.16       0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    36347.95    8264.73   51250.27
  C & E Loss (ft)             0.00    Cum SA (acres)            287.98      46.14     402.59


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9950.28*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.56  211.03  728.48  285.84  716.47  393.03  706.83  428.76  716.22
  571.68  703.36  786.06  637.88  984.81  618.33 1286.29  611.28 1715.05  604.85
 1758.59  604.46 1857.97  605.04 2000.89  605.46 2108.08   604.2 2180.66   604.2
 2813.75     610 3001.33     610  3322.9   612.1 3573.02  610.84 3858.86     610
 3939.25     610 4079.94   604.2    4502   604.2    4573  580.26    4744  580.26
  4891.5   604.2 5099.54  613.46 5158.99  620.25 5367.03  629.51 5723.68  635.44
 5842.56  643.21 6080.32  652.96 6318.09  662.72 6436.97  667.01 6585.57  664.26
 6645.01  665.25 6793.62  670.62 6853.06  671.61 7031.38  671.68 7150.26  664.95
 7239.43  666.44 7269.15  673.89 7298.87  673.22 7506.91  676.68 7744.68  721.24
    7923   724.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4502     .15  4891.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4502  4891.5             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.98    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       601090.10   67383.66   307838.90
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            601090.10   67383.66   307838.90
  Q Total (cfs)           944490.80    Flow (cfs)             606343.60   80422.85   257724.30
  Top Width (ft)           7923.00    Top Width (ft)           4502.00     389.50     3031.50
  Vel Total (ft/s)            0.97    Avg. Vel. (ft/s)            1.01       1.19       0.84
  Max Chl Dpth (ft)         179.72    Hydr. Depth (ft)          133.52     173.00     101.55
  Conv. Total (cfs)       240983000.0    Conv. (cfs)            154706100.0   20519560.0   65757320.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         4538.83     395.36     3074.32
  Min Ch El (ft)            580.26    Shear (lb/sq ft)            0.13       0.16       0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    35657.57    8187.91   50905.41
  C & E Loss (ft)             0.00    Cum SA (acres)            282.81      45.70     399.19


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9900.6*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   737.2  208.12  729.03   281.9  717.04  387.62  707.06  422.86  715.74
  563.81  702.44  775.24  638.49  971.25  618.41 1268.57  611.32 1691.43  604.68
 1734.38  604.24 1832.38   604.8 1973.33   605.2 2079.05     604 2150.62     604
    2775     610    2960     610 3277.14     612 3523.81   610.8 3805.71     610
    3885     610 4023.75     604    4440     604    4510   580.2    4680   580.2
    4830     604  5044.8  613.29 5106.18  620.24 5320.98  629.53 5689.22  635.18
 5811.96  643.06 6057.45  652.82 6302.94  662.59 6425.69  666.87 6579.12  663.82
 6640.49  664.76 6793.92  670.12 6855.29  671.06 7039.41  670.88 7162.16  663.76
 7254.22  665.18  7284.9  672.85 7315.59  672.12 7530.39  675.41 7775.88  721.18
    7960     724

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4440     .15    4830     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4440    4830             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       593086.50   67494.09   319088.10
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            593086.50   67494.09   319088.10
  Q Total (cfs)           944490.80    Flow (cfs)             596890.90   80376.80   267223.20
  Top Width (ft)           7960.00    Top Width (ft)           4440.00     390.00     3130.00
  Vel Total (ft/s)            0.96    Avg. Vel. (ft/s)            1.01       1.19       0.84
  Max Chl Dpth (ft)         179.77    Hydr. Depth (ft)          133.58     173.06     101.95
  Conv. Total (cfs)       241595100.0    Conv. (cfs)            152681100.0   20559900.0   68354080.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         4476.85     395.81     3173.11
  Min Ch El (ft)            580.20    Shear (lb/sq ft)            0.13       0.16       0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.19       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    34976.32    8110.96   50547.76
  C & E Loss (ft)             0.00    Cum SA (acres)            277.71      45.25     395.67


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9850.92*

INPUT
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Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.84  205.22  729.57  277.97  717.61  382.21   707.3  416.95  715.26
  555.94  701.52  764.41  639.11  957.69  618.49 1250.86  611.37 1667.81   604.5
 1710.16  604.03 1806.79  604.56 1945.78  604.94 2050.02   603.8 2120.59   603.8
 2736.25     610 2918.67     610 3231.38   611.9  3474.6  610.76 3752.57     610
 3830.75     610 3967.56   603.8    4378   603.8    4447  580.14    4616  580.14
  4768.5   603.8 4990.06  613.13 5053.37  620.22 5274.93  629.55 5654.75  634.92
 5781.36  642.91 6034.58  652.68 6287.79  662.46  6414.4  666.73 6572.66  663.38
 6635.97  664.28 6794.23  669.61 6857.53  670.51 7047.44  670.09 7174.05  662.58
    7269  663.92 7300.66   671.8 7332.31  671.01 7553.87  674.14 7807.09  721.12
    7997   723.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4378     .15  4768.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4378  4768.5             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       585072.10   67604.80   330414.80
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            585072.10   67604.80   330414.80
  Q Total (cfs)           944490.80    Flow (cfs)              587407.90   80323.22   276759.80
  Top Width (ft)           7997.00    Top Width (ft)           4378.00     390.50    3228.50
  Vel Total (ft/s)            0.96    Avg. Vel. (ft/s)            1.00       1.19       0.84
  Max Chl Dpth (ft)         179.83    Hydr. Depth (ft)          133.64     173.12     102.34
  Conv. Total (cfs)       242231300.0    Conv. (cfs)            150651100.0   20600310.0   70979920.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         4414.90     396.27    3271.91
  Min Ch El (ft)            580.14    Shear (lb/sq ft)            0.13       0.16       0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.19       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    34304.20    8033.89   50177.23
  C & E Loss (ft)             0.00    Cum SA (acres)            272.68      44.81     392.05


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9801.24*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.48  202.31  730.12  274.03  718.17  376.79  707.54  411.05  714.79
  548.06   700.6  753.59  639.73  944.12  618.57 1233.14  611.41 1644.19  604.32
 1685.94  603.82 1781.21  604.32 1918.22  604.68 2020.98   603.6 2090.56   603.6
  2697.5     610 2877.33     610 3185.62   611.8  3425.4  610.72 3699.43     610
  3776.5     610 3911.38   603.6    4316   603.6    4384  580.08    4552  580.08
    4707   603.6 4935.32  612.96 5000.56  620.21 5228.88  629.58 5620.29  634.66
 5750.76  642.75 6011.71  652.54 6272.65  662.33 6403.12  666.58 6566.21  662.94
 6631.44  663.79 6794.53  669.11 6859.76  669.95 7055.47  669.29 7185.94  661.39
 7283.79  662.66 7316.41  670.76 7349.03  669.91 7577.35  672.87 7838.29  721.06
    8034   723.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4316     .15    4707     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4316    4707             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       577052.60   67715.79   341822.50
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            577052.60   67715.79   341822.50
  Q Total (cfs)           944490.80    Flow (cfs)              577898.20   80261.06   286331.60
  Top Width (ft)           8034.00    Top Width (ft)           4316.00     391.00    3327.00
  Vel Total (ft/s)            0.96    Avg. Vel. (ft/s)            1.00       1.19       0.84
  Max Chl Dpth (ft)         179.89    Hydr. Depth (ft)          133.70     173.19     102.74
  Conv. Total (cfs)       242895100.0    Conv. (cfs)            148618300.0   20640770.0   73636020.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         4352.97     396.73    3370.72
  Min Ch El (ft)            580.08    Shear (lb/sq ft)            0.13       0.16       0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.19       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    33641.24    7956.70   49793.74
  C & E Loss (ft)             0.00    Cum SA (acres)            267.72      44.36     388.31


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9751.56*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.12  199.41  730.67   270.1  718.74  371.38  707.77  405.14  714.31
  540.19  699.69  742.76  640.34  930.56  618.65 1215.43  611.46 1620.57  604.14
 1661.72  603.61 1755.62  604.08 1890.67  604.42 1991.95   603.4 2060.53   603.4
 2658.75     610    2836     610 3139.86   611.7 3376.19  610.68 3646.29     610
 3722.25     610 3855.19   603.4    4254   603.4    4321  580.02    4488  580.02
  4645.5   603.4 4880.58  612.8 4947.75   620.2 5182.83   629.6 5585.83   634.4
 5720.17   642.6 5988.83   652.4  6257.5   662.2 6391.83  666.44 6559.75   662.5
 6626.92   663.3 6794.83   668.6    6862   669.4  7063.5   668.5 7197.83   660.2
 7298.58   661.4 7332.17  669.72 7365.75   668.8 7600.83   671.6  7869.5     721
    8071   723.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
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       0     .15    4254     .15  4645.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4254  4645.5             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       569022.60   67827.02   353306.80
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            569022.60   67827.02   353306.80
  Q Total (cfs)           944490.80    Flow (cfs)              568364.80   80191.66   295934.30
  Top Width (ft)           8071.00    Top Width (ft)           4254.00     391.50    3425.50
  Vel Total (ft/s)            0.95    Avg. Vel. (ft/s)            1.00       1.18       0.84
  Max Chl Dpth (ft)         179.95    Hydr. Depth (ft)          133.76     173.25     103.14
  Conv. Total (cfs)       243582600.0    Conv. (cfs)            146580300.0   20681300.0   76320950.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         4291.07     397.19    3469.53
  Min Ch El (ft)            580.02    Shear (lb/sq ft)            0.12       0.16       0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.19       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    32987.43    7879.37   49397.18
  C & E Loss (ft)             0.00    Cum SA (acres)            262.83      43.92     384.46


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9701.88*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  735.76   196.5  731.22  266.16  719.31  365.97  708.01  399.24  713.84
  532.32  698.77  731.94  640.96     917  618.73 1197.71   611.5 1596.95  603.97
  1637.5   603.4 1730.03  603.84 1863.11  604.16 1962.92   603.2  2030.5   603.2
    2620     610 2794.67     610  3094.1   611.6 3326.98  610.64 3593.14     610
    3668     610    3799   603.2    4192   603.2    4258  579.96    4424  579.96
    4584   603.2 4825.84  612.64 4894.94  620.19 5136.78  629.62 5551.37  634.14
 5689.57  642.45 5965.96  652.26 6242.35  662.07 6380.55   666.3 6553.29  662.06
 6622.39  662.81 6795.14  668.09 6864.24  668.85 7071.53  667.71 7209.73  659.01
 7313.37  660.14 7347.92  668.68 7382.47  667.69 7624.31  670.33 7900.71  720.94
    8108   723.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4192     .15    4584     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4192    4584             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       560984.30   67938.55   364869.30
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            560984.30   67938.55   364869.30
  Q Total (cfs)           944490.80    Flow (cfs)              558810.90   80114.56   305565.30
  Top Width (ft)           8108.00    Top Width (ft)           4192.00     392.00    3524.00
  Vel Total (ft/s)            0.95    Avg. Vel. (ft/s)            1.00       1.18       0.84
  Max Chl Dpth (ft)         180.01    Hydr. Depth (ft)          133.82     173.31     103.54
  Conv. Total (cfs)       244295700.0    Conv. (cfs)            144538300.0   20721900.0   79035490.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         4229.20     397.65    3568.34
  Min Ch El (ft)            579.96    Shear (lb/sq ft)            0.12       0.16       0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.19       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    32342.79    7801.92   48987.48
  C & E Loss (ft)             0.00    Cum SA (acres)            258.01      43.47     380.49


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9652.2*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   735.4  193.59  731.77  262.22  719.88  360.56  708.24  393.33  713.36
  524.44  697.85  721.11  641.58  903.44  618.81    1180  611.55 1573.33  603.79
 1613.28  603.18 1704.44   603.6 1835.56   603.9 1933.89     603 2000.47     603
 2581.25     610 2753.33     610 3048.33   611.5 3277.78   610.6    3540     610
 3613.75     610 3742.81     603    4130     603    4195   579.9    4360   579.9
  4522.5     603  4771.1  612.47 4842.13  620.18 5090.74  629.65 5516.91  633.88
 5658.97  642.29 5943.09  652.12 6227.21  661.94 6369.26  666.15 6546.84  661.62
 6617.87  662.32 6795.44  667.59 6866.47  668.29 7079.56  666.91 7221.62  657.82
 7328.16  658.88 7363.68  667.64 7399.19  666.59 7647.79  669.06 7931.91  720.88
    8145     723

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4130     .15  4522.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4130  4522.5             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.99    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       552940.10   68050.34   376512.80
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            552940.10   68050.34   376512.80
  Q Total (cfs)           944490.80    Flow (cfs)              549238.60   80029.16   315223.10
  Top Width (ft)           8145.00    Top Width (ft)           4130.00     392.50    3622.50
  Vel Total (ft/s)            0.95    Avg. Vel. (ft/s)            0.99       1.18       0.84
  Max Chl Dpth (ft)         180.07    Hydr. Depth (ft)          133.88     173.38     103.94
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  Conv. Total (cfs)       245036400.0    Conv. (cfs)            142493100.0   20762570.0   81780700.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         4167.35     398.12    3667.15
  Min Ch El (ft)            579.90    Shear (lb/sq ft)            0.12       0.16       0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.19       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31707.32    7724.34   48564.54
  C & E Loss (ft)             0.00    Cum SA (acres)            253.26      43.02     376.41


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9602.52*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  735.04  190.69  732.32  258.29  720.45  355.14  708.48  387.43  712.89
  516.57  696.93  710.29  642.19  889.88  618.89 1162.29  611.59 1549.71  603.61
 1589.06  602.97 1678.86  603.36    1808  603.64 1904.86   602.8 1970.44   602.8
  2542.5     610    2712     610 3002.57   611.4 3228.57  610.56 3486.86     610
  3559.5     610 3686.62   602.8    4068   602.8    4132  579.84    4296  579.84
    4461   602.8 4716.36  612.31 4789.32  620.16 5044.69  629.67 5482.45  633.62
 5628.37  642.14 5920.22  651.98 6212.06  661.81 6357.98  666.01 6540.38  661.18
 6613.34  661.84 6795.75  667.08 6868.71  667.74 7087.59  666.12 7233.51  656.64
 7342.95  657.62 7379.43  666.59 7415.91  665.48 7671.27  667.79 7963.12  720.82
    8182   722.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4068     .15    4461     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4068    4461             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       544890.40   68162.39   388231.90
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            544890.40   68162.39   388231.90
  Q Total (cfs)           944490.80    Flow (cfs)             539655.30   79936.12   324899.40
  Top Width (ft)           8182.00    Top Width (ft)           4068.00     393.00    3721.00
  Vel Total (ft/s)            0.94    Avg. Vel. (ft/s)            0.99       1.17       0.84
  Max Chl Dpth (ft)         180.13    Hydr. Depth (ft)          133.95     173.44     104.34
  Conv. Total (cfs)       245802900.0    Conv. (cfs)            140444800.0   20803300.0   84554780.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         4105.54     398.58    3765.97
  Min Ch El (ft)            579.84    Shear (lb/sq ft)            0.12       0.16       0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.18       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31081.03    7646.64   48128.27
  C & E Loss (ft)             0.00    Cum SA (acres)            248.59      42.57     372.22


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9552.84*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  734.68  187.78  732.87  254.35  721.01  349.73  708.71  381.52  712.41
   508.7  696.01  699.46  642.81  876.31  618.97 1144.57  611.63  1526.1  603.43
 1564.84  602.76 1653.27  603.12 1780.44  603.38 1875.83   602.6 1940.41   602.6
 2503.75     610 2670.67     610 2956.81   611.3 3179.37  610.52 3433.71     610
 3505.25     610 3630.44   602.6    4006   602.6    4069  579.78    4232  579.78
  4399.5   602.6 4661.62  612.14 4736.51  620.15 4998.64  629.69 5447.99  633.36
 5597.77  641.99 5897.34  651.84 6196.91  661.68  6346.7  665.87 6533.93  660.74
 6608.82  661.35 6796.05  666.58 6870.94  667.19 7095.62  665.32  7245.4  655.45
 7357.74  656.36 7395.19  665.55 7432.63  664.38 7694.75  666.52 7994.32  720.76
    8219   722.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4006     .15  4399.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4006  4399.5             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       536834.30   68274.72   400030.40
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            536834.30   68274.72   400030.40
  Q Total (cfs)           944490.80    Flow (cfs)             530060.80   79835.22   334594.80
  Top Width (ft)           8219.00    Top Width (ft)           4006.00     393.50    3819.50
  Vel Total (ft/s)            0.94    Avg. Vel. (ft/s)            0.99       1.17       0.84
  Max Chl Dpth (ft)         180.19    Hydr. Depth (ft)          134.01     173.51     104.73
  Conv. Total (cfs)       246596400.0    Conv. (cfs)            138393100.0   20844110.0   87359100.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         4043.75     399.05    3864.79
  Min Ch El (ft)            579.78    Shear (lb/sq ft)            0.12       0.16       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.18       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30463.93    7568.80   47678.58
  C & E Loss (ft)             0.00    Cum SA (acres)            243.98      42.12     367.92


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9503.16*
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INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  734.32  184.88  733.41  250.41  721.58  344.32  708.95  375.62  711.94
  500.83  695.09  688.63  643.43  862.75  619.05 1126.86  611.68 1502.48  603.26
 1540.62  602.55 1627.68  602.88 1752.89  603.12 1846.79   602.4 1910.38   602.4
    2465     610 2629.33     610 2911.05   611.2 3130.16  610.48 3380.57     610
    3451     610 3574.25   602.4    3944   602.4    4006  579.72    4168  579.72
    4338   602.4 4606.88  611.98 4683.71  620.14 4952.59  629.72 5413.53  633.11
 5567.18  641.84 5874.47  651.69 6181.76  661.55 6335.41  665.72 6527.47  660.29
 6604.29  660.86 6796.35  666.07 6873.18  666.64 7103.65  664.53 7257.29  654.26
 7372.53  655.11 7410.94  664.51 7449.35  663.27 7718.24  665.25 8025.53  720.71
    8256   722.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3944     .15    4338     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3944    4338             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)           49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       528763.90   68387.33   411903.30
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            528763.90   68387.33   411903.30
  Q Total (cfs)           944490.80    Flow (cfs)             520455.60   79728.21   344307.00
  Top Width (ft)           8256.00    Top Width (ft)          3944.00     394.00    3918.00
  Vel Total (ft/s)            0.94    Avg. Vel. (ft/s)           0.98       1.17       0.84
  Max Chl Dpth (ft)         180.25    Hydr. Depth (ft)         134.07     173.57     105.13
  Conv. Total (cfs)       247411700.0    Conv. (cfs)           136334600.0   20885000.0   90192060.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)        3982.00     399.52    3963.61
  Min Ch El (ft)            579.72    Shear (lb/sq ft)           0.12       0.16       0.09
  Alpha                       1.03    Stream Power (lb/ft s)     0.12       0.18       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29856.03    7490.84   47215.39
  C & E Loss (ft)             0.00    Cum SA (acres)            239.45      41.67     363.51

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9453.48*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  733.96  181.97  733.96  246.48  722.15   338.9  709.18  369.71  711.46
  492.95  694.17  677.81  644.04  849.19  619.13 1109.14  611.72 1478.86  603.08
 1516.41  602.33  1602.1  602.64 1725.33  602.86 1817.76   602.2 1880.34   602.2
 2426.25     610    2588     610 2865.29   611.1 3080.95  610.44 3327.43     610
 3396.75     610 3518.06   602.2    3882   602.2    3943  579.66    4104  579.66
  4276.5   602.2 4552.14  611.81  4630.9  620.13 4906.54  629.74 5379.07  632.85
 5536.58  641.68  5851.6  651.55 6166.62  661.42 6324.13  665.58 6521.01  659.85
 6599.77  660.37 6796.66  665.56 6875.41  666.08 7111.68  663.74 7269.19  653.07
 7387.32  653.85  7426.7  663.47 7466.07  662.16 7741.72  663.98 8056.74  720.65
    8293   722.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3882     .15  4276.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3882  4276.5             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)           49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       520694.00   68500.20   423863.90
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            520694.00   68500.20   423863.90
  Q Total (cfs)           944490.80    Flow (cfs)             510843.20   79611.59   354036.10
  Top Width (ft)           8293.00    Top Width (ft)          3882.00     394.50    4016.50
  Vel Total (ft/s)            0.93    Avg. Vel. (ft/s)           0.98       1.16       0.84
  Max Chl Dpth (ft)         180.31    Hydr. Depth (ft)         134.13     173.64     105.53
  Conv. Total (cfs)       248260000.0    Conv. (cfs)           134275400.0   20925960.0   93058600.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)        3920.28     400.00    4062.44
  Min Ch El (ft)            579.66    Shear (lb/sq ft)           0.12       0.15       0.09
  Alpha                       1.03    Stream Power (lb/ft s)     0.12       0.18       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29257.34    7412.75   46738.61
  C & E Loss (ft)             0.00    Cum SA (acres)            234.98      41.22     358.98

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9403.8*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   733.6  179.06  734.51  242.54  722.72  333.49  709.42  363.81  710.99
  485.08  693.26  666.98  644.66  835.62  619.21 1091.43  611.77 1455.24   602.9
 1492.19  602.12 1576.51   602.4 1697.78   602.6 1788.73     602 1850.31     602
  2387.5     610 2546.67     610 2819.52     611 3031.75   610.4 3274.29     610
  3342.5     610 3461.88     602    3820     602    3880   579.6    4040   579.6
    4215     602  4497.4  611.65 4578.09  620.12 4860.49  629.76 5344.61  632.59
 5505.98  641.53 5828.73  651.41 6151.47  661.29 6312.84  665.44 6514.56  659.41
 6595.25  659.88 6796.96  665.06 6877.65  665.53 7119.71  662.94 7281.08  651.88
 7402.11  652.59 7442.45  662.42 7482.79  661.06  7765.2  662.71 8087.94  720.59
    8330     722

Manning's n Values        num=       3
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```
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3820     .15    4215     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3820    4215             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       512608.10   68613.34   435896.70
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            512608.10   68613.34   435896.70
  Q Total (cfs)           944490.80    Flow (cfs)             501226.00   79489.54   363775.20
  Top Width (ft)           8330.00    Top Width (ft)           3820.00     395.00    4115.00
  Vel Total (ft/s)            0.93    Avg. Vel. (ft/s)            0.98       1.16       0.83
  Max Chl Dpth (ft)         180.37    Hydr. Depth (ft)          134.19     173.70     105.93
  Conv. Total (cfs)       249128800.0    Conv. (cfs)            132208600.0   20967000.0   95953180.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         3858.60     400.47    4161.27
  Min Ch El (ft)            579.60    Shear (lb/sq ft)            0.12       0.15       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.18       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28667.87    7334.53   46248.13
  C & E Loss (ft)             0.00    Cum SA (acres)            230.59      40.77     354.34


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9354.12*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  733.24  176.16  735.06   238.6  723.29  328.08  709.66   357.9  710.51
  477.21  692.34  656.16  645.27  822.06  619.28 1073.71  611.81 1431.62  602.72
 1467.97  601.91 1550.92  602.16 1670.22  602.34  1759.7   601.8 1820.28   601.8
 2348.75     610 2505.33     610 2773.76   610.9 2982.54  610.36 3221.14     610
 3288.25     610 3405.69   601.8    3758   601.8    3817  579.54    3976  579.54
  4153.5   601.8 4442.66  611.48 4525.28  620.11 4814.44  629.79 5310.15  632.33
 5475.38  641.38 5805.85  651.27 6136.32  661.16 6301.56  665.29  6508.1  658.97
 6590.72  659.39 6797.26  664.55 6879.88  664.98 7127.74  662.15 7292.97  650.69
  7416.9  651.33 7458.21  661.38 7499.51  659.95 7788.68  661.44 8119.15  720.53
    8367   721.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3758     .15  4153.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3758  4153.5             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       504523.70   68726.78   448008.50
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            504523.70   68726.78   448008.50
  Q Total (cfs)           944490.80    Flow (cfs)             491615.00   79358.99   373516.80
  Top Width (ft)           8367.00    Top Width (ft)           3758.00     395.50    4213.50
  Vel Total (ft/s)            0.92    Avg. Vel. (ft/s)            0.97       1.15       0.83
  Max Chl Dpth (ft)         180.43    Hydr. Depth (ft)          134.25     173.77     106.33
  Conv. Total (cfs)       250028100.0    Conv. (cfs)            130141600.0   21008120.0   98878350.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         3796.96     400.95    4260.10
  Min Ch El (ft)            579.54    Shear (lb/sq ft)            0.12       0.15       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.18       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28087.62    7256.18   45743.89
  C & E Loss (ft)             0.00    Cum SA (acres)            226.26      40.32     349.59


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9304.43*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  732.88  173.25  735.61  234.67  723.85  322.67  709.89     352  710.04
  469.33  691.42  645.33  645.89   808.5  619.36    1056  611.85    1408  602.55
 1443.75   601.7 1525.33  601.92 1642.67  602.08 1730.67   601.6 1790.25   601.6
    2310     610    2464     610    2728   610.8 2933.33  610.32    3168     610
    3234     610  3349.5   601.6    3696   601.6    3754  579.48    3912  579.48
    4092   601.6 4387.92  611.32 4472.47  620.09 4768.39  629.81 5275.69  632.07
 5444.78  641.22 5782.98  651.13 6121.18  661.04 6290.27  665.15 6501.65  658.53
  6586.2  658.91 6797.57  664.05 6882.12  664.42 7135.76  661.35 7304.86  649.51
 7431.69  650.07 7473.96  660.34 7516.24  658.85 7812.16  660.16 8150.35  720.47
    8404   721.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3696     .15    4092     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3696    4092             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.97    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       496426.80   68840.48   460201.80
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            496426.80   68840.48   460201.80
  Q Total (cfs)           944490.80    Flow (cfs)             482000.30   79221.63   383268.90
  Top Width (ft)           8404.00    Top Width (ft)           3696.00     396.00    4312.00
  Vel Total (ft/s)            0.92    Avg. Vel. (ft/s)            0.97       1.15       0.83
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  Max Chl Dpth (ft)          180.49    Hydr. Depth (ft)          134.31     173.84     106.73
  Conv. Total (cfs)        250952700.0    Conv. (cfs)            128068200.0   21049310.0   101835200.0
  Length Wtd. (ft)            49.70    Wetted Per. (ft)         3735.35     401.43    4358.93
  Min Ch El (ft)             579.48    Shear (lb/sq ft)            0.12       0.15       0.09
  Alpha                        1.03    Stream Power (lb/ft s)      0.11       0.17       0.08
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    27516.60    7177.70   45225.77
  C & E Loss (ft)              0.00    Cum SA (acres)            222.01      39.87     344.73


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9254.76*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  732.52  170.34  736.16  230.73  724.42  317.25  710.13   346.1  709.56
  461.46   690.5  634.51  646.51  794.94  619.44 1038.29   611.9 1384.38  602.37
 1419.53  601.49 1499.75  601.68 1615.11  601.82 1701.63   601.4 1760.22   601.4
 2271.25     610 2422.67     610 2682.24   610.7 2884.13  610.28 3114.86     610
 3179.75     610 3293.31   601.4    3634   601.4    3691  579.42    3848  579.42
  4030.5   601.4 4333.18  611.15 4419.66  620.08 4722.34  629.84 5241.23  631.81
 5414.19  641.07 5760.11  650.99 6106.03  660.91 6278.99     665 6495.19  658.09
 6581.67  658.42 6797.87  663.54 6884.35  663.87 7143.79  660.56 7316.75  648.32
 7446.48  648.81 7489.72   659.3 7532.96  657.74 7835.64  658.89 8181.56  720.41
    8441   721.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3634     .15  4030.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3634  4030.5             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.97    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                       Flow Area (sq ft)       488320.00   68954.44   472470.80
  E.G. Slope (ft/ft)       0.000014    Area (sq ft)            488320.00   68954.44   472470.80
  Q Total (cfs)            944490.80    Flow (cfs)             472391.00   79077.82   393022.00
  Top Width (ft)            8441.00    Top Width (ft)           3634.00     396.50    4410.50
  Vel Total (ft/s)             0.92    Avg. Vel. (ft/s)            0.97       1.15       0.83
  Max Chl Dpth (ft)          180.55    Hydr. Depth (ft)          134.38     173.91     107.12
  Conv. Total (cfs)        251901900.0    Conv. (cfs)            125989800.0   21090580.0   104821600.0
  Length Wtd. (ft)            49.70    Wetted Per. (ft)         3673.79     401.91    4457.77
  Min Ch El (ft)             579.42    Shear (lb/sq ft)            0.12       0.15       0.09
  Alpha                        1.03    Stream Power (lb/ft s)      0.11       0.17       0.08
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    26954.82    7099.09   44693.70
  C & E Loss (ft)              0.00    Cum SA (acres)            217.83      39.42     339.75


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9205.08*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  732.16  167.44  736.71  226.79  724.99  311.84  710.36  340.19  709.09
  453.59  689.58  623.68  647.12  781.38  619.52 1020.57  611.94 1360.76  602.19
 1395.31  601.27 1474.16  601.44 1587.56  601.56  1672.6   601.2 1730.19   601.2
  2232.5     610 2381.33     610 2636.48   610.6 2834.92  610.24 3061.71     610
  3125.5     610 3237.12   601.2    3572   601.2    3628  579.36    3784  579.36
    3969   601.2 4278.44  610.99 4366.85  620.07 4676.29  629.86 5206.76  631.55
 5383.59  640.92 5737.24  650.85 6090.88  660.78 6267.71  664.86 6488.74  657.65
 6577.15  657.93 6798.18  663.04 6886.59  663.32 7151.82  659.76 7328.65  647.13
 7461.26  647.55 7505.47  658.25 7549.68  656.64 7859.12  657.62 8212.76  720.35
    8478   721.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3572     .15    3969     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3572    3969             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.97    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                       Flow Area (sq ft)       480211.30   69068.67   484817.20
  E.G. Slope (ft/ft)       0.000014    Area (sq ft)            480211.30   69068.67   484817.20
  Q Total (cfs)            944490.80    Flow (cfs)             462794.30   78926.47   402770.10
  Top Width (ft)            8478.00    Top Width (ft)           3572.00     397.00    4509.00
  Vel Total (ft/s)             0.91    Avg. Vel. (ft/s)            0.96       1.14       0.83
  Max Chl Dpth (ft)          180.61    Hydr. Depth (ft)          134.44     173.98     107.52
  Conv. Total (cfs)        252879700.0    Conv. (cfs)            123909400.0   21131920.0   107838400.0
  Length Wtd. (ft)            49.70    Wetted Per. (ft)         3612.27     402.39    4556.60
  Min Ch El (ft)             579.36    Shear (lb/sq ft)            0.12       0.15       0.09
  Alpha                        1.03    Stream Power (lb/ft s)      0.11       0.17       0.08
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    26402.29    7020.35   44147.59
  C & E Loss (ft)              0.00    Cum SA (acres)            213.72      38.97     334.66


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9155.4*
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```
INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   731.8  164.53  737.26  222.86  725.56  306.43   710.6  334.29  708.61
  445.71  688.66  612.86  647.74  767.81   619.6 1002.86  611.99 1337.14  602.01
 1371.09  601.06 1448.57   601.2    1560   601.3 1643.57     601 1700.16     601
 2193.75     610    2340     610 2590.71   610.5 2785.71   610.2 3008.57     610
 3071.25     610 3180.94     601    3510     601    3565   579.3    3720   579.3
  3907.5     601  4223.7  610.82 4314.04  620.06 4630.25  629.88  5172.3  631.29
 5352.99  640.76 5714.36  650.71 6075.74  660.65 6256.42  664.72 6482.28  657.21
 6572.62  657.44 6798.48  662.53 6888.82  662.76 7159.85  658.97 7340.54  645.94
 7476.05  646.29 7521.23  657.21  7566.4  655.53  7882.6  656.35 8243.97  720.29
    8515     721

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3510     .15  3907.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3510  3907.5             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       472089.70   69183.18   497249.80
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            472089.70   69183.18   497249.80
  Q Total (cfs)           944490.80    Flow (cfs)             453198.80   78768.13   412523.90
  Top Width (ft)           8515.00    Top Width (ft)           3510.00     397.50    4607.50
  Vel Total (ft/s)            0.91    Avg. Vel. (ft/s)            0.96       1.14       0.83
  Max Chl Dpth (ft)         180.66    Hydr. Depth (ft)          134.50     174.05     107.92
  Conv. Total (cfs)       253884700.0    Conv. (cfs)            121822500.0   21173340.0   110888900.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         3550.80     402.88    4655.44
  Min Ch El (ft)            579.30    Shear (lb/sq ft)            0.11       0.15       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.11       0.17       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25859.03    6941.48   43587.35
  C & E Loss (ft)             0.00    Cum SA (acres)            209.68      38.51     329.46


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9105.72*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  731.44  161.62   737.8  218.92  726.13  301.02  710.83  328.38  708.14
  437.84  687.74  602.03  648.36  754.25  619.68  985.14  612.03 1313.52  601.84
 1346.88  600.85 1422.98  600.96 1532.44  601.04 1614.54   600.8 1670.12   600.8
    2155     610 2298.67     610 2544.95   610.4 2736.51  610.16 2955.43     610
    3017     610 3124.75   600.8    3448   600.8    3502  579.24    3656  579.24
    3846   600.8 4168.96  610.66 4261.24  620.05  4584.2  629.91 5137.84  631.04
 5322.39  640.61 5691.49  650.56 6060.59  660.52 6245.14  664.57 6475.82  656.76
  6568.1  656.95 6798.78  662.02 6891.06  662.21 7167.88  658.18 7352.43  644.75
 7490.84  645.04 7536.98  656.17 7583.12  654.42 7906.08  655.08 8275.18  720.24
    8552   720.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3448     .15    3846     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3448    3846             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       463962.60   69297.95   509749.70
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            463962.60   69297.95   509749.70
  Q Total (cfs)           944490.80    Flow (cfs)             443625.20   78604.08   422261.50
  Top Width (ft)           8552.00    Top Width (ft)           3448.00     398.00    4706.00
  Vel Total (ft/s)            0.91    Avg. Vel. (ft/s)            0.96       1.13       0.83
  Max Chl Dpth (ft)         180.72    Hydr. Depth (ft)          134.56     174.12     108.32
  Conv. Total (cfs)       254913200.0    Conv. (cfs)            119732200.0   21214830.0   113966200.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         3489.37     403.36    4754.27
  Min Ch El (ft)            579.24    Shear (lb/sq ft)            0.11       0.15       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.11       0.17       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25325.03    6862.48   43012.88
  C & E Loss (ft)             0.00    Cum SA (acres)            205.71      38.06     324.15


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9056.04*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  731.08  158.72  738.35  214.98  726.69   295.6  711.07  322.48  707.66
  429.97  686.83  591.21  648.97  740.69  619.76  967.43  612.08  1289.9  601.66
 1322.66  600.64  1397.4  600.72 1504.89  600.78 1585.51   600.6 1640.09   600.6
 2116.25     610 2257.33     610 2499.19   610.3  2687.3  610.12 2902.29     610
 2962.75     610 3068.56   600.6    3386   600.6    3439  579.18    3592  579.18
  3784.5   600.6 4114.22  610.49 4208.43  620.04 4538.15  629.93 5103.38  630.78
 5291.79  640.46 5668.62  650.42 6045.44  660.39 6233.85  664.43 6469.37  656.32
 6563.57  656.46 6799.09  661.52 6893.29  661.66 7175.91  657.38 7364.32  643.56
 7505.63  643.78 7552.74  655.13 7599.84  653.32 7929.56  653.81 8306.38  720.18
    8589   720.6
```

```
Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3386     .15  3784.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3386  3784.5             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       455826.60   69413.00   522333.20
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            455826.60   69413.00   522333.20
  Q Total (cfs)           944490.80    Flow (cfs)             434062.60   78433.05   431995.20
  Top Width (ft)           8589.00    Top Width (ft)           3386.00     398.50    4804.50
  Vel Total (ft/s)            0.90    Avg. Vel. (ft/s)            0.95       1.13       0.83
  Max Chl Dpth (ft)         180.78    Hydr. Depth (ft)          134.62     174.19     108.72
  Conv. Total (cfs)       255969600.0    Conv. (cfs)            117636800.0   21256400.0   117076400.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         3428.00     403.85    4853.12
  Min Ch El (ft)            579.18    Shear (lb/sq ft)            0.11       0.15       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.11       0.17       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24800.31    6783.35   42424.10
  C & E Loss (ft)             0.00    Cum SA (acres)            201.81      37.61     318.73


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9006.36*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  730.72  155.81  738.9  211.05  727.26  290.19   711.3  316.57  707.18
   422.1  685.91  580.38  649.59  727.12  619.84  949.71  612.12 1266.29  601.48
 1298.44  600.42 1371.81  600.48 1477.33  600.52 1556.48   600.4 1610.06   600.4
  2077.5     610    2216     610 2453.43   610.2  2638.1  610.08 2849.14     610
  2908.5     610 3012.38   600.4    3324   600.4    3376  579.12    3528  579.12
    3723   600.4 4059.48  610.33 4155.62  620.02  4492.1  629.95 5068.92  630.52
  5261.2  640.31 5645.75  650.28 6030.29  660.26 6222.57  664.29 6462.91  655.88
 6559.05  655.98 6799.39  661.01 6895.53  661.11 7183.94  656.59 7376.22  642.38
 7520.42  642.52 7568.49  654.08 7616.56  652.21 7953.04  652.54 8337.59  720.12
    8626   720.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3324     .15    3723     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3324    3723             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       447686.20   69528.30   534993.90
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            447686.20   69528.30   534993.90
  Q Total (cfs)           944490.80    Flow (cfs)             424521.30   78255.23   441714.20
  Top Width (ft)           8626.00    Top Width (ft)           3324.00     399.00    4903.00
  Vel Total (ft/s)            0.90    Avg. Vel. (ft/s)            0.95       1.13       0.83
  Max Chl Dpth (ft)         180.84    Hydr. Depth (ft)          134.68     174.26     109.12
  Conv. Total (cfs)       257053800.0    Conv. (cfs)            115538300.0   21298040.0   120217500.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         3366.68     404.34    4951.95
  Min Ch El (ft)            579.12    Shear (lb/sq ft)            0.11       0.14       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.11       0.16       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24284.88    6704.09   41820.92
  C & E Loss (ft)             0.00    Cum SA (acres)            197.98      37.15     313.19


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8956.68*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  730.36  152.91  739.45  207.11  727.83  284.78  711.54  310.67  706.71
  414.22  684.99  569.56  650.21  713.56  619.92     932  612.16 1242.67   601.3
 1274.22  600.21 1346.22  600.24 1449.78  600.26 1527.44   600.2 1580.03   600.2
 2038.75     610 2174.67     610 2407.67   610.1 2588.89  610.04    2796     610
 2854.25     610 2956.19   600.2    3262   600.2    3313  579.06    3464  579.06
  3661.5   600.2 4004.74  610.16 4102.81  620.01 4446.05  629.98 5034.46  630.26
  5230.6  640.15 5622.87  650.14 6015.15  660.13 6211.28  664.14 6456.46  655.44
 6554.52  655.49  6799.7  660.51 6897.76  660.55 7191.97  655.79 7388.11  641.19
 7535.21  641.26 7584.25  653.04 7633.28  651.11 7976.52  651.27 8368.79  720.06
    8663   720.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3262     .15  3661.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3262  3661.5             49.7    49.7    49.7             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.98    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)            49.70      49.70      49.70
  Crit W.S. (ft)                      Flow Area (sq ft)       439536.20   69643.89   547737.10
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            439536.20   69643.89   547737.10
  Q Total (cfs)           944490.80    Flow (cfs)             414996.50   78070.93   451423.40
  Top Width (ft)           8663.00    Top Width (ft)           3262.00     399.50    5001.50
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  Vel Total (ft/s)            0.89    Avg. Vel. (ft/s)            0.94       1.12       0.82
  Max Chl Dpth (ft)         180.90    Hydr. Depth (ft)          134.74     174.33     109.51
  Conv. Total (cfs)       258165300.0    Conv. (cfs)            113434400.0   21339760.0   123391200.0
  Length Wtd. (ft)           49.70    Wetted Per. (ft)         3305.41     404.84    5050.80
  Min Ch El (ft)            579.06    Shear (lb/sq ft)            0.11       0.14       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.10       0.16       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23778.74    6624.69   41203.25
  C & E Loss (ft)             0.00    Cum SA (acres)            194.23      36.70     307.54


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8907

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     730     150     740     700     620    1250     600    1550     600
    2000     610    2800     610    2900     600    3200     600    3250     579
    3400     579    3600     600    3950     610    4050     620    4400     630
    5000     630    5200     640    5600     650    6000     660    6200     664
    6450     655    6550     655    6800     660    6900     660    7200     655
    7400     640    7550     640    7600     652    7650     650    8000     650
    8400     720    8700     720

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3200     .15    3600     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3200    3600             45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       431378.10   69759.77   560555.60
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            431378.10   69759.77   560555.60
  Q Total (cfs)           944490.80    Flow (cfs)             405495.80   77880.85   461114.10
  Top Width (ft)           8700.00    Top Width (ft)           3200.00     400.00    5100.00
  Vel Total (ft/s)            0.89    Avg. Vel. (ft/s)            0.94       1.12       0.82
  Max Chl Dpth (ft)         180.96    Hydr. Depth (ft)          134.81     174.40     109.91
  Conv. Total (cfs)       259302400.0    Conv. (cfs)            111325600.0   21381560.0   126595200.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         3244.21     405.33    5149.64
  Min Ch El (ft)            579.00    Shear (lb/sq ft)            0.11       0.14       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.10       0.16       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23281.90    6545.17   40570.99
  C & E Loss (ft)             0.00    Cum SA (acres)            190.54      36.24     301.77


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8861.14*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  729.05  147.54  738.45  599.55  642.61  674.49   626.3  688.54  623.33
  749.43  621.19 1229.54  601.67 1274.04  601.43 1524.63  601.11  1723.7  605.14
 1967.26  610.07 2098.41   609.9  2248.3  609.52 2548.07  609.52 2697.96  609.05
 2754.17  609.05  2772.9  607.23 2847.85  600.45 2852.53     600 3147.62     600
    3200  578.81    3350  578.81 3545.24     600 3895.56  609.52 3995.66  619.05
 4183.33  624.15 4345.98  628.66 4946.55  628.98 5066.85  634.77 5146.73  638.68
 5508.61   647.8 5547.11  648.74  5852.2  656.16 5947.48  658.31 6147.67  661.87
 6195.79  660.16 6293.96   656.8  6397.9  653.37 6441.21  653.43 6497.99   653.4
 6637.55  655.99 6748.23   658.1 6833.88   658.1 6848.32  658.14 6981.14  656.47
  7148.6  653.81 7226.56  648.25 7348.79  639.79 7498.93  640.12 7548.97  651.66
 7599.02  649.86 7619.23   649.9  7717.4   649.9 7766.48  649.57 7864.65  649.57
 7949.35   650.1 8349.72  719.28 8404.58  719.62    8650  719.62    8650  719.71

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3147.62     .15 3545.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3147.62 3545.24             45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       422247.40   69405.80   566247.70
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            422247.40   69405.80   566247.70
  Q Total (cfs)           944490.80    Flow (cfs)             396706.80   77760.34   470023.70
  Top Width (ft)           8650.00    Top Width (ft)           3147.62     397.62    5104.76
  Vel Total (ft/s)            0.89    Avg. Vel. (ft/s)            0.94       1.12       0.83
  Max Chl Dpth (ft)         181.15    Hydr. Depth (ft)          134.15     174.55     110.93
  Conv. Total (cfs)       258550400.0    Conv. (cfs)            108596800.0   21286570.0   128667000.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         3191.89     402.89    5154.32
  Min Ch El (ft)            578.81    Shear (lb/sq ft)            0.11       0.14       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.10       0.16       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22832.55    6471.91   39977.84
  C & E Loss (ft)             0.00    Cum SA (acres)            187.20      35.82     296.40


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8815.28*
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INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   728.1  145.09  736.91  589.57  645.48  663.27  629.49  677.08  626.67
  736.96  624.63 1209.08  603.34 1252.83  602.86 1499.26  602.22 1695.01  605.78
 1934.52  610.14 2063.49  609.81 2210.88  609.05 2505.67  609.05 2653.06   608.1
 2708.33   608.1 2726.76  606.37 2800.45  600.43 2805.06     600 3095.24     600
    3150  578.62    3300  578.62 3490.48     600 3841.13  609.05 3941.32   618.1
 4129.17  622.94 4291.97  627.32 4893.09  627.97 5013.51  633.53 5093.46  637.37
 5455.68  646.56 5494.21  647.47 5799.59   654.7 5894.96  656.62 6095.33  659.74
  6143.5  658.05 6241.76  654.86  6345.8  651.75 6389.15  651.86 6445.98   651.8
 6585.67  654.19 6696.45  656.19 6782.19  656.19 6796.64  656.28 6929.58  655.14
  7097.2  652.62 7175.23  647.33 7297.57  639.58 7447.85  640.24 7497.95  651.31
 7548.04  649.72 7568.27  649.81 7666.53  649.81 7715.66  649.14 7813.92  649.14
 7898.69   650.2 8299.44  718.55 8354.35  719.24    8600  719.24    8600  719.43

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3095.24     .15 3490.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3095.24 3490.48            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       413176.20   69051.43   571948.80
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            413176.20   69051.43   571948.80
  Q Total (cfs)           944490.80    Flow (cfs)             387904.90   77624.22   478961.70
  Top Width (ft)           8600.00    Top Width (ft)           3095.24     395.24    5109.52
  Vel Total (ft/s)            0.90    Avg. Vel. (ft/s)            0.94       1.12       0.84
  Max Chl Dpth (ft)         181.34    Hydr. Depth (ft)          133.49     174.71     111.94
  Conv. Total (cfs)       257840700.0    Conv. (cfs)          105895900.0   21190980.0   130753800.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         3139.61     400.46    5159.02
  Min Ch El (ft)            578.62    Shear (lb/sq ft)            0.11       0.14       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.10       0.16       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22392.79    6399.02   39378.69
  C & E Loss (ft)             0.00    Cum SA (acres)            183.91      35.40     291.03


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8769.42*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  727.14  142.63  735.36  579.59  648.35  652.04  632.67  665.62     630
  724.49  628.07 1188.62  605.01 1231.63  604.29 1473.88  603.33 1666.33  606.43
 1901.79  610.21 2028.57  609.71 2173.47  608.57 2463.27  608.57 2608.16  607.14
  2662.5  607.14 2680.61  605.51 2753.06  600.41 2757.59     600 3042.86     600
    3100  578.43    3250  578.43 3435.71     600 3786.69  608.57 3886.97  617.14
    4075  621.73 4237.96  625.98 4839.64  626.95 4960.17  632.29  5040.2  636.05
 5402.75  645.32 5441.32  646.21 5746.98  653.25 5842.44  654.93    6043  657.61
 6091.21  655.95 6189.56  652.92  6293.7  650.12 6337.09  650.29 6393.98   650.2
 6533.79  652.39 6644.68  654.29 6730.49  654.29 6744.96  654.43 6878.02  653.82
  7045.8  651.43  7123.9  646.42 7246.36  639.37 7396.78  640.36 7446.92  650.97
 7497.06  649.58 7517.31  649.71 7615.66  649.71 7664.83  648.71 7763.19  648.71
 7848.04  650.31 8249.16  717.83 8304.12  718.86    8550  718.86    8550  719.14

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3042.86     .15 3435.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3042.86 3435.71            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       404184.10   68694.86   577658.60
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            404184.10   68694.86   577658.60
  Q Total (cfs)           944490.80    Flow (cfs)             379113.40   77468.38   487909.00
  Top Width (ft)           8550.00    Top Width (ft)           3042.86     392.85    5114.29
  Vel Total (ft/s)            0.90    Avg. Vel. (ft/s)            0.94       1.13       0.84
  Max Chl Dpth (ft)         181.53    Hydr. Depth (ft)          132.83     174.86     112.95
  Conv. Total (cfs)       257180100.0    Conv. (cfs)          103230700.0   21094250.0   132855200.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         3087.38     398.03    5163.76
  Min Ch El (ft)            578.43    Shear (lb/sq ft)            0.11       0.15       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.10       0.16       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21962.53    6326.51   38773.54
  C & E Loss (ft)             0.00    Cum SA (acres)            180.68      34.99     285.64


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8723.57*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  726.19  140.18  733.82  569.61  651.22  640.82  635.86  654.17  633.33
  712.02  631.51 1168.15  606.68 1210.43  605.71 1448.51  604.44 1637.64  607.07
 1869.05  610.29 1993.65  609.62 2136.05   608.1 2420.86   608.1 2563.27  606.19
 2616.67  606.19 2634.47  604.65 2705.67  600.39 2710.12     600 2990.48     600
    3050  578.24    3200  578.24 3380.95     600 3732.26   608.1 3832.63  616.19
 4020.83  620.53 4183.94  624.64 4786.18  625.93 4906.82  631.06 4986.93  634.73
 5349.82  644.08 5388.42  644.94 5694.37  651.79 5789.92  653.24 5990.66  655.48
```

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 6038.92  653.84 6137.36  650.98  6241.6  648.49 6285.03  648.71 6341.97   648.6
 6481.91  650.59  6592.9  652.38  6678.8  652.38 6693.28  652.57 6826.47   652.5
  6994.4  650.24 7072.57  645.51 7195.14  639.16 7345.71  640.47 7395.89  650.62
 7446.08  649.44 7466.35  649.62 7564.79  649.62 7614.01  648.29 7712.45  648.29
 7797.39  650.41 8198.88   717.1 8253.89  718.48    8500  718.48    8500  718.86

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2990.48     .15 3380.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2990.48 3380.95            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       395251.10   68339.59   583380.70
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            395251.10   68339.59   583380.70
  Q Total (cfs)           944490.80    Flow (cfs)             370314.80   77298.45   496877.60
  Top Width (ft)           8500.00    Top Width (ft)           2990.48     390.47    5119.05
  Vel Total (ft/s)            0.90    Avg. Vel. (ft/s)            0.94       1.13       0.85
  Max Chl Dpth (ft)         181.72    Hydr. Depth (ft)          132.17     175.02     113.96
  Conv. Total (cfs)       256563300.0    Conv. (cfs)            100593000.0   20997500.0   134972800.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         3035.20     395.63    5168.53
  Min Ch El (ft)            578.24    Shear (lb/sq ft)            0.11       0.15       0.10
  Alpha                       1.02    Stream Power (lb/ft s)      0.10       0.17       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21541.71    6254.38   38162.37
  C & E Loss (ft)             0.00    Cum SA (acres)            177.51      34.57     280.26


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8677.71*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  725.24  137.72  732.27  559.64  654.09  629.59  639.04  642.71  636.67
  699.55  634.95 1147.69  608.35 1189.23  607.14 1423.14  605.55 1608.96  607.71
 1836.31  610.36 1958.73  609.52 2098.64  607.62 2378.46  607.62 2518.37  605.24
 2570.83  605.24 2588.32  603.79 2658.28  600.36 2662.65     600  2938.1     600
    3000  578.05    3150  578.05 3326.19     600 3677.82  607.62 3778.29  615.24
 3966.67  619.32 4129.93   623.3 4732.73  624.91 4853.48  629.82 4933.66  633.42
 5296.89  642.84 5335.53  643.68 5641.76  650.33  5737.4  651.55 5938.33  653.35
 5986.63  651.73 6085.17  649.04  6189.5  646.86 6232.97  647.14 6289.96  647.01
 6430.04  648.79 6541.13  650.48 6627.11  650.48  6641.6  650.71 6774.91  651.17
    6943  649.05 7021.25   644.6 7143.93  638.95 7294.63  640.59 7344.86  650.28
  7395.1   649.3 7415.38  649.52 7513.92  649.52 7563.19  647.86 7661.72  647.86
 7746.73  650.51  8148.6  716.38 8203.66   718.1    8450   718.1    8450  718.57

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  2938.1     .15 3326.19     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2938.1 3326.19            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       386396.60   67983.83   589110.60
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            386396.60   67983.83   589110.60
  Q Total (cfs)           944490.80    Flow (cfs)             361535.10   77110.79   505844.90
  Top Width (ft)           8450.00    Top Width (ft)           2938.10     388.09    5123.81
  Vel Total (ft/s)            0.91    Avg. Vel. (ft/s)            0.94       1.13       0.86
  Max Chl Dpth (ft)         181.91    Hydr. Depth (ft)          131.51     175.18     114.98
  Conv. Total (cfs)       255995600.0    Conv. (cfs)             97990800.0   20900180.0   137104700.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2983.05     393.23    5173.32
  Min Ch El (ft)            578.05    Shear (lb/sq ft)            0.11       0.15       0.10
  Alpha                       1.02    Stream Power (lb/ft s)      0.10       0.17       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21130.25    6182.62   37545.17
  C & E Loss (ft)             0.00    Cum SA (acres)            174.39      34.16     274.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8631.85*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  724.29  135.27  730.73  549.66  656.96  618.37  642.23  631.25     640
  687.07  638.39 1127.23  610.03 1168.03  608.57 1397.77  606.66 1580.27  608.36
 1803.57  610.43 1923.81  609.43 2061.22  607.14 2336.05  607.14 2473.47  604.29
    2525  604.29 2542.18  602.93 2610.88  600.34 2615.18     600 2885.71     600
    2950  577.86    3100  577.86 3271.43     600 3623.39  607.14 3723.95  614.29
  3912.5  618.11 4075.91  621.95 4679.27   623.9 4800.14  628.58 4880.39   632.1
 5243.96   641.6 5282.63  642.41 5589.15  648.87 5684.87  649.86 5885.99  651.22
 5934.34  649.62 6032.97   647.1  6137.4  645.24 6180.91  645.57 6237.96  645.41
 6378.16  646.99 6489.36  648.57 6575.41  648.57 6589.92  648.85 6723.35  649.85
  6891.6  647.86 6969.92  643.68 7092.72  638.74 7243.56  640.71 7293.84  649.94
 7344.12  649.16 7364.42  649.43 7463.05  649.43 7512.36  647.43 7610.99  647.43
 7696.08  650.61 8098.32  715.65 8153.43  717.71    8400  717.71    8400  718.29

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2885.71     .15 3271.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2885.71 3271.43            45.86   45.86   45.86             .1       .3
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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)           45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       377600.20   67629.35   594859.60
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            377600.20   67629.35   594859.60
  Q Total (cfs)           944490.80    Flow (cfs)             352752.70   76908.69   514829.40
  Top Width (ft)           8400.00    Top Width (ft)          2885.71     385.72    5128.57
  Vel Total (ft/s)            0.91    Avg. Vel. (ft/s)           0.93       1.14       0.87
  Max Chl Dpth (ft)         182.10    Hydr. Depth (ft)         130.85     175.33     115.99
  Conv. Total (cfs)       255473300.0    Conv. (cfs)          95415320.0   20802860.0   139255100.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)        2930.96     390.85    5178.16
  Min Ch El (ft)            577.86    Shear (lb/sq ft)           0.11       0.15       0.10
  Alpha                       1.02    Stream Power (lb/ft s)     0.10       0.17       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20728.08    6111.23   36921.93
  C & E Loss (ft)             0.00    Cum SA (acres)            171.32      33.76     269.47


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8586.*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  723.33  132.81  729.18  539.68  659.83  607.14  645.41  619.79  643.33
   674.6  641.83 1106.77   611.7 1146.83     610  1372.4  607.77 1551.59     609
 1770.83   610.5 1888.89  609.33 2023.81  606.67 2293.65  606.67 2428.57  603.33
 2479.17  603.33 2496.03  602.06 2563.49  600.32 2567.71     600 2833.33     600
    2900  577.67    3050  577.67 3216.67     600 3568.95  606.67 3669.61  613.33
 3858.33   616.9  4021.9  620.61 4625.82  622.88 4746.79  627.34 4827.12  630.78
 5191.03  640.36 5229.74  641.15 5536.54  647.41 5632.35  648.17 5833.66  649.09
 5882.05  647.51 5980.77  645.16 6085.29  643.61 6128.85     644 6185.95  643.81
 6326.28  645.19 6437.58  646.67 6523.72  646.67 6538.24  646.99 6671.79  648.53
  6840.2  646.67 6918.59  642.77  7041.5  638.53 7192.48  640.83 7242.81  649.59
 7293.14  649.02 7313.46  649.33 7412.18  649.33 7461.54     647 7560.26     647
 7645.42  650.71 8048.04  714.93 8103.21  717.33    8350  717.33    8350     718

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2833.33     .15 3216.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2833.33 3216.67            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)           45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       368882.00   67272.67   600609.70
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            368882.00   67272.67   600609.70
  Q Total (cfs)           944490.80    Flow (cfs)             344001.00   76688.09   523801.70
  Top Width (ft)           8350.00    Top Width (ft)          2833.33     383.34    5133.33
  Vel Total (ft/s)            0.91    Avg. Vel. (ft/s)           0.93       1.14       0.87
  Max Chl Dpth (ft)         182.29    Hydr. Depth (ft)         130.19     175.49     117.00
  Conv. Total (cfs)       254996200.0    Conv. (cfs)          92874340.0   20704460.0   141417400.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)        2878.93     388.47    5183.01
  Min Ch El (ft)            577.67    Shear (lb/sq ft)           0.11       0.15       0.10
  Alpha                       1.02    Stream Power (lb/ft s)     0.10       0.17       0.09
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20335.13    6040.22   36292.63
  C & E Loss (ft)             0.00    Cum SA (acres)            168.31      33.35     264.07


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8540.14*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  722.38  130.36  727.63  529.71   662.7  595.92   648.6  608.33  646.67
  662.13  645.27 1086.31  613.37 1125.62  611.43 1347.02  608.88  1522.9  609.64
  1738.1  610.57 1853.97  609.24 1986.39  606.19 2251.25  606.19 2383.67  602.38
 2433.33  602.38 2449.89   601.2  2516.1  600.29 2520.24     600 2780.95     600
    2850  577.48    3000  577.48  3161.9     600 3514.52  606.19 3615.27  612.38
 3804.17   615.7 3967.88  619.27 4572.36  621.86 4693.45   626.1 4773.86  629.47
  5138.1  639.12 5176.84  639.89 5483.93  645.96 5579.83  646.48 5781.33  646.96
 5829.76   645.4 5928.57  643.22 6033.19  641.98 6076.79  642.43 6133.94  642.21
  6274.4  643.39 6385.81  644.76 6472.02  644.76 6486.55  645.14 6620.24   647.2
  6788.8  645.48 6867.26  641.86 6990.29  638.32 7141.41  640.95 7191.78  649.25
 7242.16  648.89  7262.5  649.24 7361.31  649.24 7410.71  646.57 7509.52  646.57
 7594.77  650.81 7997.76   714.2 8052.98  716.95    8300  716.95    8300  717.71

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2780.95     .15  3161.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2780.95  3161.9            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)           45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       360232.00   66913.87   606368.80
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            360232.00   66913.87   606368.80
  Q Total (cfs)           944490.80    Flow (cfs)             335272.30   76449.55   532768.90
  Top Width (ft)           8300.00    Top Width (ft)          2780.95     380.95    5138.10
  Vel Total (ft/s)            0.91    Avg. Vel. (ft/s)           0.93       1.14       0.88
  Max Chl Dpth (ft)         182.48    Hydr. Depth (ft)         129.54     175.65     118.01
```

```
  Conv. Total (cfs)       254563300.0    Conv. (cfs)            90364070.0   20605020.0   143594200.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2826.95     386.09    5187.91
  Min Ch El (ft)            577.48    Shear (lb/sq ft)            0.11       0.15       0.10
  Alpha                       1.02    Stream Power (lb/ft s)      0.10       0.17       0.09
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19951.32    5969.58   35657.27
  C & E Loss (ft)             0.00    Cum SA (acres)            165.35      32.95     258.66


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8494.28*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  721.43   127.9  726.09  519.73  665.57  584.69  651.78  596.88     650
  649.66  648.71 1065.85  615.04 1104.42  612.86 1321.65  609.99 1494.22  610.28
 1705.36  610.64 1819.05  609.14 1948.98  605.71 2208.84  605.71 2338.78  601.43
  2387.5  601.43 2403.74  600.34 2468.71  600.27 2472.77     600 2728.57     600
    2800  577.29    2950  577.29 3107.14     600 3460.08  605.71 3560.92  611.43
    3750  614.49 3913.87  617.93 4518.91  620.85 4640.11  624.86 4720.59  628.15
 5085.17  637.88 5123.95  638.62 5431.32   644.5 5527.31  644.79 5728.99  644.83
 5777.47   643.3 5876.37  641.28 5981.09  640.35 6024.73  640.86 6081.93  640.61
 6222.53  641.59 6334.03  642.86 6420.33  642.86 6434.87  643.28 6568.68  645.88
  6737.4  644.29 6815.93  640.95 6939.08  638.12 7090.34  641.07 7140.76  648.91
 7191.18  648.75 7211.54  649.14 7310.44  649.14 7359.89  646.14 7458.79  646.14
 7544.12  650.92 7947.48  713.48 8002.75  716.57    8250  716.57    8250  717.43

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2728.57     .15 3107.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2728.57 3107.14            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       351650.60   66556.29   612132.80
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            351650.60   66556.29   612132.80
  Q Total (cfs)           944490.80    Flow (cfs)              326570.80   76197.08   541722.90
  Top Width (ft)           8250.00    Top Width (ft)           2728.57     378.57    5142.86
  Vel Total (ft/s)            0.92    Avg. Vel. (ft/s)            0.93       1.14       0.88
  Max Chl Dpth (ft)         182.67    Hydr. Depth (ft)          128.88     175.81     119.03
  Conv. Total (cfs)       254174100.0    Conv. (cfs)            87884220.0   20505570.0   145784300.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2775.03     383.73    5192.83
  Min Ch El (ft)            577.29    Shear (lb/sq ft)            0.11       0.15       0.10
  Alpha                       1.02    Stream Power (lb/ft s)      0.10       0.17       0.09
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19576.59    5899.33   35015.86
  C & E Loss (ft)             0.00    Cum SA (acres)            162.45      32.55     253.25


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8448.42*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  720.48  125.45  724.54  509.75  668.44  573.47  654.97  585.42  653.33
  637.19  652.15 1045.39  616.71 1083.22  614.29 1296.28   611.1 1465.53  610.93
 1672.62  610.71 1784.13  609.05 1911.56  605.24 2166.44  605.24 2293.88  600.48
 2341.67  600.48  2357.6  599.48 2421.32  600.25  2425.3     600 2676.19     600
    2750   577.1    2900   577.1 3052.38     600 3405.65  605.24 3506.58  610.48
 3695.83  613.28 3859.85  616.59 4465.45  619.83 4586.77  623.62 4667.32  626.83
 5032.23  636.64 5071.06  637.36 5378.71  643.04 5474.79   643.1 5676.66   642.7
 5725.18  641.19 5824.18  639.34 5928.99  638.73 5972.66  639.29 6029.93  639.01
 6170.65  639.79 6282.26  640.95 6368.64  640.95 6383.19  641.42 6517.12  644.56
 6685.99   643.1 6764.61  640.04 6887.86  637.91 7039.26  641.18 7089.73  648.56
  7140.2  648.61 7160.58  649.05 7259.57  649.05 7309.07  645.71 7408.06  645.71
 7493.46  651.02  7897.2  712.76 7952.52  716.19    8200  716.19    8200  717.14

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2676.19     .15 3052.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2676.19 3052.38            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       343133.20   66198.30   617910.90
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            343133.20   66198.30   617910.90
  Q Total (cfs)           944490.80    Flow (cfs)              317892.60   75928.59   550669.60
  Top Width (ft)           8200.00    Top Width (ft)           2676.19     376.19    5147.62
  Vel Total (ft/s)            0.92    Avg. Vel. (ft/s)            0.93       1.15       0.89
  Max Chl Dpth (ft)         182.85    Hydr. Depth (ft)          128.22     175.97     120.04
  Conv. Total (cfs)       253829400.0    Conv. (cfs)            85432800.0   20405610.0   147991000.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2723.18     381.37    5197.78
  Min Ch El (ft)            577.10    Shear (lb/sq ft)            0.11       0.15       0.10
  Alpha                       1.01    Stream Power (lb/ft s)      0.10       0.17       0.09
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19210.85    5829.44   34368.36
  C & E Loss (ft)             0.00    Cum SA (acres)            159.61      32.15     247.83


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8402.57*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  719.52  122.99     723  499.77   671.3  562.24  658.15  573.96  656.67
  624.72  655.59 1024.93  618.38 1062.02  615.71 1270.91  612.21 1436.85  611.57
 1639.88  610.79 1749.21  608.95 1874.15  604.76 2124.04  604.76 2248.98  599.52
 2295.83  599.52 2311.45  598.62 2373.92  600.23 2377.83     600 2623.81     600
    2700   576.9    2850   576.9 2997.62     600 3351.21  604.76 3452.24  609.52
 3641.67  612.07 3805.84  615.25    4412  618.81 4533.42  622.39 4614.05  625.52
  4979.3   635.4 5018.16  636.09  5326.1  641.58 5422.27  641.41 5624.32  640.57
 5672.89  639.08 5771.98   637.4 5876.89   637.1  5920.6  637.71 5977.92  637.41
 6118.77  637.99 6230.49  639.05 6316.94  639.05 6331.51  639.56 6465.57  643.23
 6634.59   641.9 6713.28  639.12 6836.65   637.7 6988.19   641.3  7038.7  648.22
 7089.22  648.47 7109.62  648.95  7208.7  648.95 7258.24  645.29 7357.33  645.29
 7442.81  651.12 7846.92  712.03 7902.29  715.81    8150  715.81    8150  716.86

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2623.81     .15 2997.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2623.81 2997.62            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       334693.10   65842.48   623705.50
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            334693.10   65842.48   623705.50
  Q Total (cfs)           944490.80    Flow (cfs)             309252.30   75646.31   559592.30
  Top Width (ft)           8150.00    Top Width (ft)           2623.81     373.81    5152.38
  Vel Total (ft/s)            0.92    Avg. Vel. (ft/s)            0.92       1.15       0.90
  Max Chl Dpth (ft)         183.05    Hydr. Depth (ft)          127.56     176.14     121.05
  Conv. Total (cfs)       253536600.0    Conv. (cfs)            83014860.0   20306300.0   150215500.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2671.40     379.03    5202.75
  Min Ch El (ft)            576.90    Shear (lb/sq ft)           0.11       0.15       0.10
  Alpha                       1.01    Stream Power (lb/ft s)     0.10       0.17       0.09
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18854.04    5759.94   33714.77
  C & E Loss (ft)             0.00    Cum SA (acres)            156.82      31.76     242.41


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8356.71*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  718.57  120.54  721.45   489.8  674.17  551.02  661.34   562.5     660
  612.24  659.04 1004.46  620.05 1040.82  617.14 1245.54  613.32 1408.16  612.21
 1607.14  610.86 1714.29  608.86 1836.73  604.29 2081.63  604.29 2204.08  598.57
    2250  598.57 2265.31  597.76 2326.53   600.2 2330.36     600 2571.43     600
    2650  576.71    2800  576.71 2942.86     600 3296.78  604.29  3397.9  608.57
  3587.5  610.87 3751.82  613.91 4358.54  617.79 4480.08  621.15 4560.78   624.2
 4926.37  634.16 4965.27  634.83 5273.49  640.12 5369.75  639.72 5571.99  638.43
  5620.6  636.97 5719.78  635.46 5824.79  635.47 5868.54  636.14 5925.91  635.81
  6066.9   636.2 6178.71  637.14 6265.25  637.14 6279.83   637.7 6414.01  641.91
 6583.19  640.71 6661.95  638.21 6785.43  637.49 6937.11  641.42 6987.67  647.87
 7038.24  648.33 7058.65  648.86 7157.83  648.86 7207.42  644.86 7306.59  644.86
 7392.16  651.22 7796.64  711.31 7852.06  715.43    8100  715.43    8100  716.57

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2571.43     .15 2942.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2571.43 2942.86            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       326313.90   65483.58   629501.30
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            326313.90   65483.58   629501.30
  Q Total (cfs)           944490.80    Flow (cfs)             300649.00   75346.05   568495.80
  Top Width (ft)           8100.00    Top Width (ft)           2571.43     371.43    5157.14
  Vel Total (ft/s)            0.92    Avg. Vel. (ft/s)            0.92       1.15       0.90
  Max Chl Dpth (ft)         183.24    Hydr. Depth (ft)          126.90     176.30     122.06
  Conv. Total (cfs)       253280500.0    Conv. (cfs)            80623880.0   20205260.0   152451300.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2619.69     376.70    5207.76
  Min Ch El (ft)            576.71    Shear (lb/sq ft)           0.11       0.15       0.10
  Alpha                       1.01    Stream Power (lb/ft s)     0.10       0.17       0.09
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18506.09    5690.81   33055.09
  C & E Loss (ft)             0.00    Cum SA (acres)            154.08      31.37     236.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8310.85*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  717.62  118.08  719.91  479.82  677.04   539.8  664.52  551.04  663.33
  599.77  662.48     984  621.72 1019.61  618.57 1220.16  614.43 1379.48  612.86
  1574.4  610.93 1679.37  608.76 1799.32  603.81 2039.23  603.81 2159.18  597.62
 2204.17  597.62 2219.16  596.89 2279.14  600.18 2282.89     600 2519.05     600
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    2600  576.52    2750  576.52  2888.1     600 3242.34  603.81 3343.56  607.62
 3533.33  609.66 3697.81  612.57 4305.09  616.78 4426.74  619.91 4507.52  622.88
 4873.44  632.92 4912.37  633.56 5220.88  638.66 5317.23  638.03 5519.65   636.3
 5568.31  634.86 5667.58  633.52 5772.69  633.84 5816.48  634.57  5873.9  634.21
 6015.02   634.4 6126.94  635.24 6213.55  635.24 6228.15  635.85 6362.45  640.59
 6531.79  639.52 6610.62   637.3 6734.22  637.28 6886.04  641.54 6936.65  647.53
 6987.25  648.19 7007.69  648.76 7106.96  648.76 7156.59  644.43 7255.86  644.43
  7341.5  651.32 7746.36  710.58 7801.83  715.05    8050  715.05    8050  716.29

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2519.05     .15  2888.1     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2519.05  2888.1            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       318007.20   65124.20   635309.60
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            318007.20   65124.20   635309.60
  Q Total (cfs)           944490.80    Flow (cfs)             292091.10   75029.22   577370.50
  Top Width (ft)           8050.00    Top Width (ft)           2519.05     369.05    5161.90
  Vel Total (ft/s)            0.93    Avg. Vel. (ft/s)            0.92       1.15       0.91
  Max Chl Dpth (ft)         183.43    Hydr. Depth (ft)          126.24     176.46     123.08
  Conv. Total (cfs)       253071000.0    Conv. (cfs)            78264180.0   20103660.0   154703200.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2568.05     374.37    5212.79
  Min Ch El (ft)            576.52    Shear (lb/sq ft)            0.11       0.15       0.11
  Alpha                       1.01    Stream Power (lb/ft s)      0.10       0.17       0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18166.92    5622.06   32389.29
  C & E Loss (ft)             0.00    Cum SA (acres)            151.40      30.98     231.55


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8265.*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  716.67  115.62  718.36  469.84  679.91  528.57  667.71  539.58  666.67
   587.3  665.92  963.54  623.39  998.41     620 1194.79  615.54 1350.79   613.5
 1541.67     611 1644.44  608.67  1761.9  603.33 1996.83  603.33 2114.29  596.67
 2158.33  596.67 2173.02  596.03 2231.75  600.16 2235.42     600 2466.67     600
    2550  576.33    2700  576.33 2833.33     600 3187.91  603.33 3289.22  606.67
 3479.17  608.45 3643.79  611.23 4251.63  615.76  4373.4  618.67 4454.25  621.57
 4820.51  631.68 4859.48   632.3 5168.27  637.21 5264.71  636.34 5467.32  634.17
 5516.03  632.76 5615.38  631.58 5720.59  632.22 5764.42     633  5821.9  632.61
 5963.14   632.6 6075.16  633.33 6161.86  633.33 6176.47  633.99  6310.9  639.26
 6480.39  638.33 6559.29  636.39 6683.01  637.07 6834.97  641.66 6885.62  647.19
 6936.27  648.05 6956.73  648.67 7056.09  648.67 7105.77     644 7205.13     644
 7290.85  651.42 7696.08  709.86  7751.6  714.67    8000  714.67    8000     716

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2466.67     .15 2833.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2466.67 2833.33            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       309771.30   64762.68   641125.60
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            309771.30   64762.68   641125.60
  Q Total (cfs)           944490.80    Flow (cfs)             283584.50   74695.02   586211.30
  Top Width (ft)           8000.00    Top Width (ft)           2466.67     366.66    5166.67
  Vel Total (ft/s)            0.93    Avg. Vel. (ft/s)            0.92       1.15       0.91
  Max Chl Dpth (ft)         183.62    Hydr. Depth (ft)          125.58     176.63     124.09
  Conv. Total (cfs)       252904800.0    Conv. (cfs)            75934980.0   20000970.0   156968900.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2516.49     372.04    5217.87
  Min Ch El (ft)            576.33    Shear (lb/sq ft)            0.11       0.15       0.11
  Alpha                       1.01    Stream Power (lb/ft s)      0.10       0.17       0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17836.46    5553.68   31717.37
  C & E Loss (ft)             0.00    Cum SA (acres)            148.78      30.59     226.11


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8219.14*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  715.71  113.17  716.81  459.86  682.78  517.35  670.89  528.12     670
  574.83  669.36  943.08  625.06  977.21  621.43 1169.42  616.65 1322.11  614.14
 1508.93  611.07 1609.52  608.57 1724.49  602.86 1954.42  602.86 2069.39  595.71
  2112.5  595.71 2126.87  595.17 2184.35  600.14 2187.95     600 2414.29     600
    2500  576.14    2650  576.14 2778.57     600 3133.47  602.86 3234.87  605.71
    3425  607.24 3589.78  609.89 4198.18  614.74 4320.06  617.43 4400.98  620.25
 4767.58  630.44 4806.58  631.03 5115.66  635.75 5212.18  634.65 5414.99  632.04
 5463.74  630.65 5563.19  629.64 5668.49  630.59 5712.36  631.43 5769.89  631.02
 5911.26   630.8 6023.39  631.43 6110.17  631.43 6124.79  632.13 6259.34  637.94
 6428.99  637.14 6507.97  635.47 6631.79  636.86 6783.89  641.78 6834.59  646.84
 6885.29  647.91 6905.77  648.57 7005.22  648.57 7054.95  643.57  7154.4  643.57
  7240.2  651.53  7645.8  709.13 7701.37  714.29    7950  714.29    7950  715.71

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2414.29     .15 2778.57     .15
```

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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2414.29 2778.57            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       301604.00   64402.40   646954.90
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            301604.00   64402.40   646954.90
  Q Total (cfs)           944490.80    Flow (cfs)             275125.80   74346.73   595018.30
  Top Width (ft)           7950.00    Top Width (ft)           2414.29     364.28     5171.43
  Vel Total (ft/s)            0.93    Avg. Vel. (ft/s)            0.91       1.15       0.92
  Max Chl Dpth (ft)         183.81    Hydr. Depth (ft)          124.92     176.79     125.10
  Conv. Total (cfs)       252784200.0    Conv. (cfs)            73634890.0   19898210.0   159251100.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2465.04     369.73     5222.97
  Min Ch El (ft)            576.14    Shear (lb/sq ft)            0.11       0.15       0.11
  Alpha                       1.01    Stream Power (lb/ft s)      0.10       0.18       0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17514.63    5485.69   31039.32
  C & E Loss (ft)             0.00    Cum SA (acres)            146.21      30.20     220.67


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8173.28*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  714.76  110.71  715.27  449.89  685.65  506.12  674.08  516.67  673.33
  562.36   672.8  922.62  626.73  956.01  622.86 1144.05  617.76 1293.42  614.79
 1476.19  611.14  1574.6  608.48 1687.07  602.38 1912.02  602.38 2024.49  594.76
 2066.67  594.76 2080.73  594.31 2136.96  600.11 2140.48     600  2361.9     600
    2450  575.95    2600  575.95 2723.81     600 3079.04  602.38 3180.53  604.76
 3370.83  606.04 3535.76  608.55 4144.72  613.72 4266.71  616.19 4347.71  618.93
 4714.65   629.2 4753.69  629.77 5063.05  634.29 5159.66  632.96 5362.65  629.91
 5411.45  628.54 5510.99   627.7 5616.39  628.96  5660.3  629.86 5717.88  629.42
 5859.39     629 5971.62  629.52 6058.47  629.52 6073.11  630.27 6207.78  636.62
 6377.59  635.95 6456.64  634.56 6580.58  636.65 6732.82  641.89 6783.57   646.5
 6834.31  647.77 6854.81  648.48 6954.35  648.48 7004.12  643.14 7103.66  643.14
 7189.54  651.63 7595.52  708.41 7651.15   713.9    7900   713.9    7900  715.43

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  2361.9     .15 2723.81     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2361.9 2723.81            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       293500.90   64043.43   652794.70
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            293500.90   64043.43   652794.70
  Q Total (cfs)           944490.80    Flow (cfs)             266717.90   73985.41   603787.40
  Top Width (ft)           7900.00    Top Width (ft)           2361.90     361.91     5176.19
  Vel Total (ft/s)            0.93    Avg. Vel. (ft/s)            0.91       1.16       0.92
  Max Chl Dpth (ft)         184.00    Hydr. Depth (ft)          124.26     176.96     126.11
  Conv. Total (cfs)       252706200.0    Conv. (cfs)            71362550.0   19795400.0   161548200.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2413.65     367.45     5228.10
  Min Ch El (ft)            575.95    Shear (lb/sq ft)            0.11       0.15       0.11
  Alpha                       1.01    Stream Power (lb/ft s)      0.10       0.18       0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17201.37    5418.08   30355.13
  C & E Loss (ft)             0.00    Cum SA (acres)            143.70      29.82     215.22


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8127.42*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  713.81  108.26  713.72  439.91  688.52   494.9  677.26  505.21  676.67
  549.89  676.24  902.16  628.41  934.81  624.29 1118.68  618.87 1264.74  615.43
 1443.45  611.21 1539.68  608.38 1649.66   601.9 1869.61   601.9 1979.59  593.81
 2020.83  593.81 2034.58  593.45 2089.57  600.09 2093.01     600 2309.52     600
    2400  575.76    2550  575.76 2669.05     600  3024.6   601.9 3126.19  603.81
 3316.67  604.83 3481.75   607.2 4091.27  612.71 4213.37  614.95 4294.44  617.62
 4661.72  627.96 4700.79  628.51 5010.44  632.83 5107.14  631.27 5310.32  627.78
 5359.16  626.43 5458.79  625.76 5564.29  627.33 5608.24  628.29 5665.87  627.82
 5807.51   627.2 5919.84  627.62 6006.78  627.62 6021.43  628.41 6156.23  635.29
 6326.19  634.76 6405.31  633.65 6529.37  636.44 6681.75  642.01 6732.54  646.15
 6783.33  647.63 6803.85  648.38 6903.48  648.38  6953.3  642.71 7052.93  642.71
 7138.89  651.73 7545.24  707.68 7600.92  713.52    7850  713.52    7850  715.14

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2309.52     .15 2669.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2309.52 2669.05            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       285471.30   63682.25   658644.40
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            285471.30   63682.25   658644.40
  Q Total (cfs)           944490.80    Flow (cfs)             258373.80   73606.41   612510.60
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  Top Width (ft)           7850.00    Top Width (ft)           2309.52     359.53    5180.95
  Vel Total (ft/s)            0.94    Avg. Vel. (ft/s)            0.91       1.16       0.93
  Max Chl Dpth (ft)         184.19    Hydr. Depth (ft)          123.61     177.13     127.13
  Conv. Total (cfs)       252672700.0    Conv. (cfs)            69120840.0   19691390.0   163860500.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2362.37     365.16    5233.26
  Min Ch El (ft)            575.76    Shear (lb/sq ft)            0.11       0.15       0.11
  Alpha                       1.01    Stream Power (lb/ft s)      0.10       0.18       0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16896.59    5350.84   29664.79
  C & E Loss (ft)             0.00    Cum SA (acres)            141.24      29.44     209.77


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8081.57*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  712.86   105.8  712.18  429.93  691.39  483.67  680.45  493.75     680
  537.42  679.68   881.7  630.08  913.61  625.71  1093.3  619.98 1236.05  616.07
 1410.71  611.29 1504.76  608.29 1612.24  601.43 1827.21  601.43 1934.69  592.86
    1975  592.86 1988.44  592.59 2042.18  600.07 2045.54     600 2257.14     600
    2350  575.57    2500  575.57 2614.29     600 2970.17  601.43 3071.85  602.86
  3262.5  603.62 3427.73  605.86 4037.82  611.69 4160.03  613.72 4241.18   616.3
 4608.79  626.72  4647.9  627.24 4957.83  631.37 5054.62  629.58 5257.98  625.65
 5306.87  624.32 5406.59  623.82 5512.19  625.71 5556.18  626.71 5613.87  626.22
 5755.63   625.4 5868.07  625.71 5955.08  625.71 5969.75  626.55 6104.67  633.97
 6274.79  633.57 6353.98  632.74 6478.15  636.23 6630.67  642.13 6681.51  645.81
 6732.35  647.49 6752.88  648.29 6852.61  648.29 6902.47  642.29  7002.2  642.29
 7088.24  651.83 7494.96  706.96 7550.69  713.14    7800  713.14    7800  714.86

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2257.14     .15 2614.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2257.14 2614.29             45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       277506.00   63320.66   664498.40
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            277506.00   63320.66   664498.40
  Q Total (cfs)           944490.80    Flow (cfs)             250089.80   73213.59   621187.40
  Top Width (ft)           7800.00    Top Width (ft)           2257.14     357.15    5185.71
  Vel Total (ft/s)            0.94    Avg. Vel. (ft/s)            0.90       1.16       0.93
  Max Chl Dpth (ft)         184.38    Hydr. Depth (ft)          122.95     177.29     128.14
  Conv. Total (cfs)       252678000.0    Conv. (cfs)            66906110.0   19586710.0   166185200.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2311.20     362.89    5238.44
  Min Ch El (ft)            575.57    Shear (lb/sq ft)            0.10       0.15       0.11
  Alpha                       1.01    Stream Power (lb/ft s)      0.09       0.18       0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16600.24    5283.99   28968.29
  C & E Loss (ft)             0.00    Cum SA (acres)            138.83      29.06     204.32


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8035.71*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   711.9  103.35  710.63  419.95  694.26  472.45  683.63  482.29  683.33
  524.94  683.12  861.24  631.75   892.4  627.14 1067.93  621.09 1207.37  616.71
 1377.98  611.36 1469.84  608.19 1574.83  600.95 1784.81  600.95  1889.8   591.9
 1929.17   591.9 1942.29  591.72 1994.78  600.05 1998.07     600 2204.76     600
    2300  575.38    2450  575.38 2559.52     600 2915.73  600.95 3017.51   601.9
 3208.33  602.41 3373.72  604.52 3984.36  610.67 4106.69  612.48 4187.91  614.98
 4555.86  625.48    4595  625.98 4905.22  629.92  5002.1  627.88 5205.65  623.52
 5254.58  622.22  5354.4  621.88 5460.08  624.08 5504.12  625.14 5561.86  624.62
 5703.75   623.6 5816.29  623.81 5903.39  623.81 5918.07   624.7 6053.11  632.65
 6223.39  632.38 6302.66  631.82 6426.94  636.02  6579.6  642.25 6630.49  645.47
 6681.37  647.35 6701.92  648.19 6801.74  648.19 6851.65  641.86 6951.47  641.86
 7037.58  651.93 7444.68  706.24 7500.46  712.76    7750  712.76    7750  714.57

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2204.76     .15 2559.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2204.76 2559.52             45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       269618.40   62956.86   670367.00
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            269618.40   62956.86   670367.00
  Q Total (cfs)           944490.80    Flow (cfs)             241880.30   72802.45   629808.10
  Top Width (ft)           7750.00    Top Width (ft)           2204.76     354.76    5190.48
  Vel Total (ft/s)            0.94    Avg. Vel. (ft/s)            0.90       1.16       0.94
  Max Chl Dpth (ft)         184.57    Hydr. Depth (ft)          122.29     177.46     129.15
  Conv. Total (cfs)       252730600.0    Conv. (cfs)            64723280.0   19480760.0   168526500.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2260.16     360.62    5243.67
  Min Ch El (ft)            575.38    Shear (lb/sq ft)            0.10       0.15       0.11
  Alpha                       1.01    Stream Power (lb/ft s)      0.09       0.18       0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16312.24    5217.51   28265.62
  C & E Loss (ft)             0.00    Cum SA (acres)            136.48      28.69     198.85


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7989.85*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  710.95  100.89  709.08  409.98  697.13  461.22  686.82  470.83  686.67
  512.47  686.56  840.77  633.42   871.2  628.57 1042.56   622.2 1178.68  617.36
 1345.24  611.43 1434.92   608.1 1537.42  600.48  1742.4  600.48  1844.9  590.95
 1883.33  590.95 1896.15  590.86 1947.39  600.02  1950.6     600 2152.38     600
    2250  575.19    2400  575.19 2504.76     600  2861.3  600.48 2963.17  600.95
 3154.17  601.21  3319.7  603.18 3930.91  609.66 4053.34  611.24 4134.64  613.67
 4502.93  624.24 4542.11  624.71 4852.61  628.46 4949.58  626.19 5153.31  621.39
 5202.29  620.11  5302.2  619.94 5407.98  622.45 5452.06  623.57 5509.85  623.02
 5651.88   621.8 5764.52   621.9 5851.69   621.9 5866.39  622.84 6001.56  631.32
 6171.99  631.19 6251.33  630.91 6375.72  635.81 6528.53  642.37 6579.46  645.12
 6630.39  647.21 6650.96   648.1 6750.87   648.1 6800.82  641.43 6900.73  641.43
 6986.93  652.04  7394.4  705.51 7450.23  712.38    7700  712.38    7700  714.29

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2152.38     .15 2504.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2152.38 2504.76            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       261792.20   62594.37   676236.90
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            261792.20   62594.37   676236.90
  Q Total (cfs)           944490.80    Flow (cfs)             233735.80   72380.05   638374.90
  Top Width (ft)           7700.00    Top Width (ft)          2152.38     352.38    5195.24
  Vel Total (ft/s)            0.94    Avg. Vel. (ft/s)           0.89       1.16       0.94
  Max Chl Dpth (ft)         184.76    Hydr. Depth (ft)         121.63     177.63     130.16
  Conv. Total (cfs)       252820000.0    Conv. (cfs)           62566080.0   19374590.0   170879300.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)        2209.22     358.38    5248.91
  Min Ch El (ft)            575.19    Shear (lb/sq ft)           0.10       0.15       0.11
  Alpha                       1.01    Stream Power (lb/ft s)     0.09       0.18       0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   16032.50    5151.42   27556.76
  C & E Loss (ft)             0.00    Cum SA (acres)           134.19      28.32     193.39


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7944

INPUT
Description:
Station Elevation Data    num=      34
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     710     400     700     450     690     500     690     850     630
    1150     618    1400     608    1500     600    1700     600    1800     590
    1850     590    1900     600    2100     600    2200     575    2350     575
    2450     600    3100     600    4000     610    4450     623    4800     627
    5150     618    5250     618    5400     622    5600     620    5800     620
    5950     630    6200     630    6600     648    6700     648    6750     641
    6850     641    7400     712    7650     712    7650     714

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2100     .15    2450     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2100    2450            863.1   863.1   863.1             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)           863.10     863.10     863.10
  Crit W.S. (ft)                      Flow Area (sq ft)       254038.40   62231.39   682123.60
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            254038.40   62231.39   682123.60
  Q Total (cfs)           944490.80    Flow (cfs)             225666.10   71941.65   646883.10
  Top Width (ft)           7650.00    Top Width (ft)          2100.00     350.00    5200.00
  Vel Total (ft/s)            0.95    Avg. Vel. (ft/s)           0.89       1.16       0.95
  Max Chl Dpth (ft)         184.95    Hydr. Depth (ft)         120.97     177.80     131.18
  Conv. Total (cfs)       252955600.0    Conv. (cfs)           60438370.0   19267570.0   173249600.0
  Length Wtd. (ft)          863.10    Wetted Per. (ft)        2158.42     356.16    5254.18
  Min Ch El (ft)            575.00    Shear (lb/sq ft)           0.10       0.15       0.11
  Alpha                       1.01    Stream Power (lb/ft s)     0.09       0.18       0.11
  Frctn Loss (ft)             0.02    Cum Volume (acre-ft)   15760.97    5085.72   26841.72
  C & E Loss (ft)             0.00    Cum SA (acres)           131.95      27.95     187.91


Warning: The cross-section end points had to be extended vertically for the computed water surface.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than
         0.7 or greater than 1.4.  This may indicate the need for additional cross sections.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7080

INPUT
Description:
Station Elevation Data    num=      23
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     716     200     702     350     700     375     690     775     670
     800     650     900     650    1000     640    1100     640    1200     655
    1775     600    1950     573    2050     573    2200     590    2300     600
    3500     600    4000     610    4300     610    4400     600    4600     600
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    4800     610    5050     710    5250     710

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    1775     .15    2300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          1775    2300            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       176958.30   92291.90   427743.80
  E.G. Slope (ft/ft)      0.000027    Area (sq ft)            176958.30   92291.90   427743.80
  Q Total (cfs)           944490.80    Flow (cfs)             192935.80   149386.50   602168.40
  Top Width (ft)           5250.00    Top Width (ft)           1775.00     525.00    2950.00
  Vel Total (ft/s)            1.36    Avg. Vel. (ft/s)            1.09       1.62       1.41
  Max Chl Dpth (ft)         186.91    Hydr. Depth (ft)           99.69     175.79     145.00
  Conv. Total (cfs)       180585600.0    Conv. (cfs)            36889120.0   28562550.0   115134000.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1833.10     528.53    3020.02
  Min Ch El (ft)            573.00    Shear (lb/sq ft)            0.16       0.30       0.24
  Alpha                       1.05    Stream Power (lb/ft s)      0.18       0.48       0.34
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11491.07    3554.85   15846.24
  C & E Loss (ft)             0.00    Cum SA (acres)             93.56      19.28     107.17


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7065.01*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  715.73   75.72  710.48  200.49  701.77  350.86  699.71  375.92  689.77
  378.59  689.64   643.6  676.52  757.17  670.75  757.17   670.6   776.9  669.62
  801.96  649.77  889.68  649.77  902.21  649.76  946.47  645.35 1002.45   639.8
 1022.18   639.8 1060.04  639.77  1102.7  639.76 1202.94   654.6 1249.34  650.19
 1779.36  599.92 1953.79  572.98 2053.98  572.98  2203.3  589.94 2302.84  599.92
  2924.2  600.02 3172.74  600.07 3499.22  600.07 3504.13  600.17 3835.53   606.7
 3918.37  608.34 3997.71  609.91 4296.81  609.86 4332.61  606.29  4396.5  599.99
  4595.9  600.16  4795.3  610.25 5044.54  709.71 5243.94  709.88

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1779.36     .15 2302.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1779.36 2302.84            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       177810.20   92054.83   426476.10
  E.G. Slope (ft/ft)      0.000027    Area (sq ft)            177810.20   92054.83   426476.10
  Q Total (cfs)           944490.80    Flow (cfs)             194350.90   149177.80   600962.00
  Top Width (ft)           5243.94    Top Width (ft)           1779.36     523.48    2941.10
  Vel Total (ft/s)            1.36    Avg. Vel. (ft/s)            1.09       1.62       1.41
  Max Chl Dpth (ft)         186.93    Hydr. Depth (ft)           99.93     175.85     145.01
  Conv. Total (cfs)       180411400.0    Conv. (cfs)            37123830.0   28495120.0   114792400.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1837.67     527.01    3011.08
  Min Ch El (ft)            572.98    Shear (lb/sq ft)            0.17       0.30       0.24
  Alpha                       1.05    Stream Power (lb/ft s)      0.18       0.48       0.34
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11430.11    3523.17   15699.46
  C & E Loss (ft)             0.00    Cum SA (acres)             92.95      19.10     106.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7050.03*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  715.45    75.9  710.25  200.98  701.54  351.72  699.42  376.84  689.55
  379.51  689.41  645.17   676.4  759.03  670.51  759.03  670.21   778.8  669.24
  803.93  649.55  891.86  649.55  904.42  649.53  948.78  645.12 1004.91   639.6
 1024.69  639.59 1062.64  639.55  1105.4  639.51 1205.89   654.2 1252.39  649.81
 1783.71  599.83 1957.58  572.97 2057.95  572.97 2206.59  589.88 2305.68  599.83
 2925.16  600.05 3172.95  600.14 3498.44  600.14 3503.34  600.23 3833.73  606.64
 3916.33  608.28 3995.42  609.82 4293.61  609.72 4329.31  606.17 4393.01  599.97
  4591.8  600.31 4790.59   610.5 5039.09  709.42 5237.88  709.76

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1783.71     .15 2305.68     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1783.71 2305.68            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       178663.00   91817.79   425214.50
  E.G. Slope (ft/ft)      0.000027    Area (sq ft)            178663.00   91817.79   425214.50
  Q Total (cfs)           944490.80    Flow (cfs)             195768.70   148965.30   599756.80
  Top Width (ft)           5237.88    Top Width (ft)           1783.71     521.97    2932.20
  Vel Total (ft/s)            1.36    Avg. Vel. (ft/s)            1.10       1.62       1.41
  Max Chl Dpth (ft)         186.94    Hydr. Depth (ft)          100.16     175.91     145.02
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  Conv. Total (cfs)       180240200.0    Conv. (cfs)            37359170.0   28427540.0   114453500.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1842.24     525.49    3002.15
  Min Ch El (ft)            572.97    Shear (lb/sq ft)            0.17       0.30       0.24
  Alpha                       1.05    Stream Power (lb/ft s)      0.18       0.49       0.34
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11368.86    3491.58   15553.11
  C & E Loss (ft)             0.00    Cum SA (acres)             92.34      18.92     105.15


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7035.04*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  715.18   76.09  710.01  201.47  701.31  352.58  699.13  377.76  689.32
  380.44  689.19  646.75  676.27  760.88  670.28  760.88  669.83  780.71  668.86
  805.89  649.32  894.03  649.32  906.63  649.29   951.1  644.89 1007.36   639.4
 1027.19  639.39 1065.23  639.32  1108.1  639.27 1208.83  653.81 1255.45  649.42
 1788.07  599.75 1961.36  572.95 2061.93  572.95 2209.89  589.81 2308.52  599.75
 2926.12  600.07 3173.16   600.2 3497.66   600.2 3502.54   600.3 3831.93  606.59
 3914.28  608.22 3993.13  609.73 4290.42  609.59 4326.01  606.06 4389.51  599.96
  4587.7  600.47 4785.89  610.76 5033.63  709.12 5231.82  709.64

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1788.07     .15 2308.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1788.07 2308.52             14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       179519.50   91581.73   423949.30
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            179519.50   91581.73   423949.30
  Q Total (cfs)           944490.80    Flow (cfs)             197195.60   148755.60   598539.60
  Top Width (ft)           5231.82    Top Width (ft)          1788.07     520.45    2923.30
  Vel Total (ft/s)            1.36    Avg. Vel. (ft/s)           1.10       1.62       1.41
  Max Chl Dpth (ft)         186.96    Hydr. Depth (ft)         100.40     175.97     145.02
  Conv. Total (cfs)       180069600.0    Conv. (cfs)            37595840.0   28360630.0   114113100.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1846.82     523.97    2993.21
  Min Ch El (ft)            572.95    Shear (lb/sq ft)            0.17       0.30       0.24
  Alpha                       1.05    Stream Power (lb/ft s)      0.18       0.49       0.34
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11307.31    3460.06   15407.20
  C & E Loss (ft)             0.00    Cum SA (acres)             91.73      18.74     104.14


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7020.06*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  714.91   76.27  709.78  201.96  701.08  353.44  698.84  378.68   689.1
  381.37  688.96  648.32  676.14  762.73  670.05  762.73  669.44  782.61  668.48
  807.85  649.09  896.21  649.09  908.83  649.06  953.42  644.66 1009.82   639.2
 1029.69  639.18 1067.83  639.09  1110.8  639.02 1211.78  653.41 1258.51  649.04
 1792.42  599.67 1965.15  572.94 2065.91  572.94 2213.18  589.75 2311.36  599.67
 2927.08  600.09 3173.37  600.27 3496.88  600.27 3501.75  600.37 3830.13  606.54
 3912.23  608.15 3990.84  609.64 4287.22  609.45 4322.71  605.94 4386.02  599.95
  4583.6  600.63 4781.19  611.01 5028.17  708.83 5225.76  709.52

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1792.42     .15 2311.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1792.42 2311.36             14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       180375.90   91343.13   422682.30
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            180375.90   91343.13   422682.30
  Q Total (cfs)           944490.80    Flow (cfs)             198628.80   148539.00   597323.00
  Top Width (ft)           5225.76    Top Width (ft)          1792.42     518.94    2914.40
  Vel Total (ft/s)            1.36    Avg. Vel. (ft/s)           1.10       1.63       1.41
  Max Chl Dpth (ft)         186.97    Hydr. Depth (ft)         100.63     176.02     145.03
  Conv. Total (cfs)       179896700.0    Conv. (cfs)            37832720.0   28292150.0   113771800.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1851.40     522.45    2984.28
  Min Ch El (ft)            572.94    Shear (lb/sq ft)            0.17       0.30       0.24
  Alpha                       1.05    Stream Power (lb/ft s)      0.18       0.49       0.34
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11245.47    3428.63   15261.72
  C & E Loss (ft)             0.00    Cum SA (acres)             91.11      18.56     103.14


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7005.07*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
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       0  714.64   76.46  709.55  202.45  700.85  354.29  698.55   379.6  688.87
  382.29  688.74   649.9  676.02  764.59  669.81  764.59  669.05  784.51  668.11
  809.82  648.86  898.39  648.86  911.04  648.82  955.73  644.43 1012.27     639
 1032.19  638.98 1070.42  638.86  1113.5  638.78 1214.72  653.01 1261.57  648.66
 1796.78  599.58 1968.94  572.92 2069.89  572.92 2216.48  589.69  2314.2  599.58
 2928.04  600.11 3173.58  600.34  3496.1  600.34 3500.96  600.44 3828.33  606.49
 3910.18  608.09 3988.56  609.56 4284.03  609.31  4319.4  605.82 4382.52  599.93
  4579.5  600.79 4776.49  611.26 5022.71  708.54  5219.7  709.39

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1796.78     .15  2314.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1796.78  2314.2            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       181234.70   91106.68   421418.10
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            181234.70   91106.68   421418.10
  Q Total (cfs)           944490.80    Flow (cfs)             200066.10   148327.10   596097.60
  Top Width (ft)           5219.70    Top Width (ft)           1796.78     517.42    2905.50
  Vel Total (ft/s)            1.36    Avg. Vel. (ft/s)            1.10       1.63       1.41
  Max Chl Dpth (ft)         186.99    Hydr. Depth (ft)          100.87     176.08     145.04
  Conv. Total (cfs)       179727100.0    Conv. (cfs)            38070560.0   28225150.0   113431400.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1855.99     520.93    2975.36
  Min Ch El (ft)            572.92    Shear (lb/sq ft)            0.17       0.30       0.24
  Alpha                       1.05    Stream Power (lb/ft s)      0.19       0.49       0.35
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11183.33    3397.28   15116.68
  C & E Loss (ft)             0.00    Cum SA (acres)             90.49      18.38     102.14


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6990.09*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  714.36   76.64  709.32  202.94  700.63  355.15  698.27  380.52  688.64
  383.22  688.51  651.47  675.89  766.44  669.58  766.44  668.67  786.41  667.73
  811.78  648.64  900.57  648.64  913.25  648.59  958.05  644.19 1014.72   638.8
  1034.7  638.77 1073.02  638.64  1116.2  638.53 1217.67  652.61 1264.63  648.27
 1801.14   599.5 1972.73  572.91 2073.86  572.91 2219.77  589.63 2317.05   599.5
    2929  600.14 3173.78  600.41 3495.32  600.41 3500.16   600.5 3826.54  606.44
 3908.13  608.03 3986.27  609.47 4280.84  609.17  4316.1  605.71 4379.03  599.92
  4575.4  600.94 4771.78  611.51 5017.26  708.25 5213.64  709.27

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1801.14     .15 2317.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1801.14 2317.05            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       182096.50   90867.60   420147.10
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            182096.50   90867.60   420147.10
  Q Total (cfs)           944490.80    Flow (cfs)             201515.80   148108.10   594866.90
  Top Width (ft)           5213.64    Top Width (ft)           1801.14     515.91    2896.59
  Vel Total (ft/s)            1.36    Avg. Vel. (ft/s)            1.11       1.63       1.42
  Max Chl Dpth (ft)         187.00    Hydr. Depth (ft)          101.10     176.13     145.05
  Conv. Total (cfs)       179554500.0    Conv. (cfs)            38309620.0   28156420.0   113088500.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1860.58     519.41    2966.41
  Min Ch El (ft)            572.91    Shear (lb/sq ft)            0.17       0.30       0.24
  Alpha                       1.05    Stream Power (lb/ft s)      0.19       0.49       0.35
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11120.90    3366.01   14972.07
  C & E Loss (ft)             0.00    Cum SA (acres)             89.88      18.21     101.14


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6975.10*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  714.09   76.83  709.08  203.44   700.4  356.01  697.98  381.44  688.42
  384.15  688.28  653.05  675.77  768.29  669.34  768.29  668.28  788.31  667.35
  813.74  648.41  902.75  648.41  915.46  648.35  960.37  643.96 1017.18   638.6
  1037.2  638.57 1075.61  638.41  1118.9  638.29 1220.61  652.21 1267.69  647.89
 1805.49  599.42 1976.52  572.89 2077.84  572.89 2223.07  589.57 2319.89  599.42
 2929.96  600.16 3173.99  600.48 3494.54  600.48 3499.37  600.57 3824.74  606.39
 3906.08  607.96 3983.98  609.38 4277.64  609.03  4312.8  605.59 4375.53  599.91
 4571.31   601.1 4767.08  611.77  5011.8  707.96 5207.58  709.15

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1805.49     .15 2319.89     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1805.49 2319.89            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
```

```
  W.S. Elev (ft)            759.91    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       182957.70   90631.20   418877.70
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            182957.70   90631.20   418877.70
  Q Total (cfs)           944490.80    Flow (cfs)              202967.30   147894.00   593629.50
  Top Width (ft)           5207.58    Top Width (ft)           1805.49     514.40    2887.69
  Vel Total (ft/s)            1.36    Avg. Vel. (ft/s)            1.11       1.63       1.42
  Max Chl Dpth (ft)         187.02    Hydr. Depth (ft)          101.33     176.19     145.06
  Conv. Total (cfs)       179384000.0    Conv. (cfs)            38548910.0   28089000.0   112746100.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1865.15     517.90    2957.48
  Min Ch El (ft)            572.89    Shear (lb/sq ft)            0.17       0.30       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.19       0.49       0.35
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11058.17    3334.82   14827.90
  C & E Loss (ft)             0.00    Cum SA (acres)             89.26      18.03     100.15


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6960.12*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  713.82   77.01  708.85  203.93  700.17  356.87  697.69  382.36  688.19
  385.07  688.06  654.63  675.64  770.15  669.11  770.15  667.89  790.22  666.97
  815.71  648.18  904.92  648.18  917.67  648.11  962.69  643.73 1019.63   638.4
  1039.7  638.36 1078.21  638.18  1121.6  638.05 1223.56  651.82 1270.74  647.51
 1809.85  599.33  1980.3  572.88 2081.82  572.88 2226.36   589.5 2322.73  599.33
 2930.92  600.18  3174.2  600.55 3493.76  600.55 3498.57  600.64 3822.94  606.34
 3904.03   607.9 3981.69  609.29 4274.45   608.9  4309.5  605.47 4372.03  599.89
 4567.21  601.26 4762.38  612.02 5006.34  707.66 5201.52  709.03

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1809.85     .15 2322.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1809.85 2322.73             14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       183823.90   90392.90   417614.20
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            183823.90   90392.90   417614.20
  Q Total (cfs)           944490.80    Flow (cfs)              204425.80   147673.90   592391.10
  Top Width (ft)           5201.52    Top Width (ft)           1809.85     512.88    2878.79
  Vel Total (ft/s)            1.37    Avg. Vel. (ft/s)            1.11       1.63       1.42
  Max Chl Dpth (ft)         187.03    Hydr. Depth (ft)          101.57     176.25     145.07
  Conv. Total (cfs)       179217200.0    Conv. (cfs)            38789810.0   28021140.0   112406300.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1869.75     516.37    2948.55
  Min Ch El (ft)            572.88    Shear (lb/sq ft)            0.17       0.30       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.19       0.50       0.35
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10995.15    3303.72   14684.16
  C & E Loss (ft)             0.00    Cum SA (acres)             88.63      17.85      99.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6945.13*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  713.55    77.2  708.62  204.42  699.94  357.73   697.4  383.28  687.97
     386  687.83   656.2  675.51     772  668.87     772  667.51  792.12  666.59
  817.67  647.95   907.1  647.95  919.88  647.88     965   643.5 1022.09  638.19
  1042.2  638.16  1080.8  637.95  1124.3   637.8  1226.5  651.42  1273.8  647.13
  1814.2  599.25 1984.09  572.86  2085.8  572.86 2229.66  589.44 2325.57  599.25
 2931.88   600.2 3174.41  600.61 3492.98  600.61 3497.78  600.71 3821.14  606.29
 3901.98  607.84  3979.4   609.2 4271.25  608.76 4306.19  605.36 4368.54  599.88
 4563.11  601.42 4757.68  612.27 5000.89  707.37 5195.45  708.91

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  1814.2     .15 2325.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        1814.2 2325.57             14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       184691.00   90156.21   416349.80
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            184691.00   90156.21   416349.80
  Q Total (cfs)           944490.80    Flow (cfs)              205890.70   147454.20   591145.90
  Top Width (ft)           5195.45    Top Width (ft)           1814.20     511.37    2869.88
  Vel Total (ft/s)            1.37    Avg. Vel. (ft/s)            1.11       1.64       1.42
  Max Chl Dpth (ft)         187.05    Hydr. Depth (ft)          101.80     176.30     145.08
  Conv. Total (cfs)       179051400.0    Conv. (cfs)            39031650.0   27953560.0   112066200.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1874.32     514.86    2939.61
  Min Ch El (ft)            572.86    Shear (lb/sq ft)            0.17       0.30       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.19       0.50       0.35
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10931.83    3272.69   14540.86
  C & E Loss (ft)             0.00    Cum SA (acres)             88.01      17.68      98.17


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6930.15*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  713.27   77.39  708.39  204.91  699.71  358.59  697.11   384.2  687.74
  386.93   687.6  657.78  675.39  773.86  668.64  773.86  667.12  794.02  666.21
  819.63  647.73  909.28  647.73  922.09  647.64  967.32  643.27 1024.54  637.99
 1044.71  637.95  1083.4  637.73    1127  637.56 1229.45  651.02 1276.86  646.74
 1818.56  599.17 1987.88  572.85 2089.77  572.85 2232.95  589.38 2328.41  599.17
 2932.84  600.23 3174.62  600.68  3492.2  600.68 3496.98  600.77 3819.34  606.24
 3899.94  607.77 3977.11  609.11 4268.06  608.62 4302.89  605.24 4365.04  599.87
 4559.01  601.57 4752.97  612.52 4995.43  707.08 5189.39  708.79

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1818.56     .15 2328.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1818.56 2328.41            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       185560.40   89914.77   415080.80
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            185560.40   89914.77   415080.80
  Q Total (cfs)           944490.80    Flow (cfs)             207365.70   147226.60   589898.60
  Top Width (ft)           5189.39    Top Width (ft)           1818.56     509.85    2860.98
  Vel Total (ft/s)            1.37    Avg. Vel. (ft/s)            1.12       1.64       1.42
  Max Chl Dpth (ft)         187.06    Hydr. Depth (ft)          102.04     176.36     145.08
  Conv. Total (cfs)       178882000.0    Conv. (cfs)            39274050.0   27884000.0   111723900.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1878.93     513.34    2930.68
  Min Ch El (ft)            572.85    Shear (lb/sq ft)            0.17       0.30       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.19       0.50       0.35
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10868.21    3241.75   14397.99
  C & E Loss (ft)             0.00    Cum SA (acres)             87.39      17.50      97.19


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6915.16*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     713   77.57  708.15   205.4  699.48  359.45  696.82  385.12  687.51
  387.85  687.38  659.35  675.26  775.71   668.4  775.71  666.74  795.92  665.83
   821.6   647.5  911.46   647.5   924.3  647.41  969.64  643.04    1027  637.79
 1047.21  637.75 1085.99   637.5 1129.69  637.31 1232.39  650.62 1279.92  646.36
 1822.92  599.08 1991.67  572.83 2093.75  572.83 2236.25  589.32 2331.25  599.08
  2933.8  600.25 3174.82  600.75 3491.42  600.75 3496.19  600.84 3817.55  606.18
 3897.89  607.71 3974.82  609.02 4264.87  608.48 4299.59  605.12 4361.55  599.85
 4554.91  601.73 4748.27  612.77 4989.97  706.79 5183.33  708.67

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1822.92     .15 2331.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1822.92 2331.25            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       186434.90   89677.32   413818.30
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            186434.90   89677.32   413818.30
  Q Total (cfs)           944490.80    Flow (cfs)             208847.30   147003.50   588640.10
  Top Width (ft)           5183.33    Top Width (ft)           1822.92     508.33    2852.08
  Vel Total (ft/s)            1.37    Avg. Vel. (ft/s)            1.12       1.64       1.42
  Max Chl Dpth (ft)         187.08    Hydr. Depth (ft)          102.27     176.42     145.09
  Conv. Total (cfs)       178719600.0    Conv. (cfs)            39518760.0   27816480.0   111384400.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1883.51     511.81    2921.75
  Min Ch El (ft)            572.83    Shear (lb/sq ft)            0.17       0.31       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.19       0.50       0.35
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10804.29    3210.89   14255.56
  C & E Loss (ft)             0.00    Cum SA (acres)             86.76      17.33      96.20


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6900.18*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  712.73   77.76  707.92  205.89  699.25  360.31  696.53  386.04  687.29
  388.78  687.15  660.93  675.14  777.56  668.17  777.56  666.35  797.82  665.45
  823.56  647.27  913.64  647.27   926.5  647.17  971.95   642.8 1029.45  637.59
 1049.71  637.55 1088.59  637.27 1132.39  637.07 1235.34  650.22 1282.98  645.98
 1827.27     599 1995.45  572.82 2097.73  572.82 2239.55  589.25 2334.09     599
 2934.76  600.27 3175.03  600.82 3490.64  600.82 3495.39  600.91 3815.75  606.13
 3895.84  607.64 3972.53  608.93 4261.67  608.34 4296.29  605.01 4358.05  599.84
 4550.81  601.89 4743.57  613.03 4984.51   706.5 5177.27  708.55

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1827.27     .15 2334.09     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1827.27 2334.09            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       187305.30   89438.88   412547.40
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            187305.30   89438.88   412547.40
  Q Total (cfs)           944490.80    Flow (cfs)             210331.40   146780.20   587379.30
  Top Width (ft)           5177.27    Top Width (ft)          1827.27     506.82    2843.18
  Vel Total (ft/s)            1.37    Avg. Vel. (ft/s)           1.12       1.64       1.42
  Max Chl Dpth (ft)         187.09    Hydr. Depth (ft)         102.51     176.47     145.10
  Conv. Total (cfs)       178551500.0    Conv. (cfs)           39762150.0   27748110.0   111041300.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        1888.11     510.30    2912.82
  Min Ch El (ft)            572.82    Shear (lb/sq ft)           0.17       0.31       0.25
  Alpha                       1.04    Stream Power (lb/ft s)     0.19       0.50       0.35
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   10740.06    3180.11   14113.57
  C & E Loss (ft)             0.00    Cum SA (acres)            86.13      17.15      95.23


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6885.19*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  712.45   77.94  707.69  206.38  699.02  361.17  696.24  386.96  687.06
  389.71  686.93   662.5  675.01  779.42  667.93  779.42  665.96  799.73  665.08
  825.52  647.05  915.81  647.05  928.71  646.94  974.27  642.57  1031.9  637.39
 1052.21  637.34 1091.18  637.05 1135.09  636.82 1238.28  649.82 1286.04  645.59
 1831.63  598.92 1999.24   572.8  2101.7   572.8 2242.84  589.19 2336.93  598.92
 2935.72   600.3 3175.24  600.89 3489.86  600.89  3494.6  600.98 3813.95  606.08
 3893.79  607.58 3970.25  608.85 4258.48  608.21 4292.98  604.89 4354.56  599.82
 4546.71  602.04 4738.86  613.28 4979.06   706.2 5171.21  708.42

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1831.63     .15 2336.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1831.63 2336.93            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       188182.20   89199.55   411277.20
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            188182.20   89199.55   411277.20
  Q Total (cfs)           944490.80    Flow (cfs)             211827.80   146553.90   586109.20
  Top Width (ft)           5171.21    Top Width (ft)          1831.63     505.30    2834.28
  Vel Total (ft/s)            1.37    Avg. Vel. (ft/s)           1.13       1.64       1.43
  Max Chl Dpth (ft)         187.11    Hydr. Depth (ft)         102.74     176.53     145.11
  Conv. Total (cfs)       178385400.0    Conv. (cfs)           40007780.0   27679540.0   110698100.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        1892.72     508.77    2903.91
  Min Ch El (ft)            572.80    Shear (lb/sq ft)           0.17       0.31       0.25
  Alpha                       1.04    Stream Power (lb/ft s)     0.20       0.50       0.35
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   10675.54    3149.42   13972.01
  C & E Loss (ft)             0.00    Cum SA (acres)            85.51      16.98      94.25


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6870.21*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  712.18   78.13  707.46  206.87  698.79  362.03  695.95  387.88  686.84
  390.64   686.7  664.08  674.88  781.27   667.7  781.27  665.58  801.63   664.7
  827.49  646.82  917.99  646.82  930.92   646.7  976.59  642.34 1034.36  637.19
 1054.71  637.14 1093.78  636.82 1137.79  636.58 1241.23  649.43  1289.1  645.21
 1835.98  598.83 2003.03  572.79 2105.68  572.79 2246.14  589.13 2339.77  598.83
 2936.68  600.32 3175.45  600.95 3489.08  600.95  3493.8  601.04 3812.15  606.03
 3891.74  607.52 3967.96  608.76 4255.28  608.07 4289.68  604.77 4351.06  599.81
 4542.61   602.2 4734.16  613.53  4973.6  705.91 5165.15   708.3

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1835.98     .15 2339.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1835.98 2339.77            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       189059.90   88960.77   410016.90
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            189059.90   88960.77   410016.90
  Q Total (cfs)           944490.80    Flow (cfs)             213324.50   146323.10   584843.10
  Top Width (ft)           5165.15    Top Width (ft)          1835.98     503.79    2825.38
  Vel Total (ft/s)            1.37    Avg. Vel. (ft/s)           1.13       1.64       1.43
  Max Chl Dpth (ft)         187.12    Hydr. Depth (ft)         102.97     176.58     145.12
  Conv. Total (cfs)       178224900.0    Conv. (cfs)           40254220.0   27611080.0   110359600.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        1897.31     507.26    2894.98
  Min Ch El (ft)            572.79    Shear (lb/sq ft)           0.17       0.31       0.25
  Alpha                       1.04    Stream Power (lb/ft s)     0.20       0.51       0.35
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   10610.72    3118.81   13830.88
  C & E Loss (ft)             0.00    Cum SA (acres)            84.88      16.80      93.28
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6855.22*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  711.91   78.31  707.22  207.36  698.56  362.88  695.66   388.8  686.61
  391.56  686.47  665.66  674.76  783.12  667.46  783.12  665.19  803.53  664.32
  829.45  646.59  920.17  646.59  933.13  646.47   978.9  642.11 1036.81  636.99
 1057.22  636.93 1096.37  636.59 1140.49  636.33 1244.17  649.03 1292.15  644.83
 1840.34  598.75 2006.82  572.77 2109.66  572.77 2249.43  589.07 2342.61  598.75
 2937.64  600.34 3175.66  601.02  3488.3  601.02 3493.01  601.11 3810.36  605.98
 3889.69  607.45 3965.67  608.67 4252.09  607.93 4286.38  604.66 4347.56   599.8
 4538.51  602.36 4729.46  613.78 4968.14  705.62 5159.09  708.18

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1840.34     .15 2342.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1840.34 2342.61            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       189940.20   88721.20   408747.90
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            189940.20   88721.20   408747.90
  Q Total (cfs)           944490.80    Flow (cfs)             214833.00   146093.30   583564.50
  Top Width (ft)           5159.09    Top Width (ft)           1840.34     502.27    2816.48
  Vel Total (ft/s)            1.37    Avg. Vel. (ft/s)            1.13       1.65       1.43
  Max Chl Dpth (ft)         187.14    Hydr. Depth (ft)          103.21     176.64     145.13
  Conv. Total (cfs)       178061100.0    Conv. (cfs)            40501600.0   27542390.0   110017100.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1901.91     505.73    2886.06
  Min Ch El (ft)            572.77    Shear (lb/sq ft)            0.18       0.31       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.20       0.51       0.36
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10545.60    3088.27   13690.19
  C & E Loss (ft)             0.00    Cum SA (acres)             84.24      16.63      92.31


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6840.24*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  711.64    78.5  706.99  207.85  698.33  363.74  695.37  389.72  686.39
  392.49  686.25  667.23  674.63  784.98  667.23  784.98   664.8  805.43  663.94
  831.41  646.36  922.35  646.36  935.34  646.23  981.22  641.88 1039.27  636.79
 1059.72  636.73 1098.97  636.36 1143.19  636.09 1247.12  648.63 1295.21  644.44
  1844.7  598.67 2010.61  572.76 2113.64  572.76 2252.73  589.01 2345.45  598.67
  2938.6  600.36 3175.86  601.09 3487.52  601.09 3492.21  601.18 3808.56  605.93
 3887.64  607.39 3963.38  608.58  4248.9  607.79 4283.08  604.54 4344.07  599.78
 4534.41  602.52 4724.76  614.04 4962.69  705.33 5153.03  708.06

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  1844.7     .15 2345.45     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        1844.7 2345.45            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       190823.10   88479.02   407477.90
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            190823.10   88479.02   407477.90
  Q Total (cfs)           944490.80    Flow (cfs)             216350.60   145857.00   582283.30
  Top Width (ft)           5153.03    Top Width (ft)           1844.70     500.75    2807.58
  Vel Total (ft/s)            1.38    Avg. Vel. (ft/s)            1.13       1.65       1.43
  Max Chl Dpth (ft)         187.15    Hydr. Depth (ft)          103.44     176.69     145.13
  Conv. Total (cfs)       177896700.0    Conv. (cfs)            40750060.0   27472450.0   109674200.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1906.52     504.21    2877.13
  Min Ch El (ft)            572.76    Shear (lb/sq ft)            0.18       0.31       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.20       0.51       0.36
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10480.17    3057.82   13549.94
  C & E Loss (ft)             0.00    Cum SA (acres)             83.61      16.46      91.34


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6825.25*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  711.36   78.68  706.76  208.34  698.11   364.6  695.08  390.65  686.16
  393.42  686.02  668.81   674.5  786.83  666.99  786.83  664.42  807.33  663.56
  833.38  646.14  924.53  646.14  937.55  645.99  983.54  641.65 1041.72  636.59
 1062.22  636.52 1101.56  636.14 1145.89  635.85 1250.06  648.23 1298.27  644.06
 1849.05  598.58 2014.39  572.74 2117.61  572.74 2256.02  588.94  2348.3  598.58
 2939.56  600.39 3176.07  601.16 3486.74  601.16 3491.42  601.24 3806.76  605.88
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  3885.6  607.33 3961.09  608.49  4245.7  607.65 4279.77  604.42 4340.57  599.77
 4530.31  602.67 4720.05  614.29 4957.23  705.04 5146.97  707.94

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1849.05     .15  2348.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1849.05  2348.3            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       191706.10   88245.01   406208.60
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            191706.10   88245.01   406208.60
  Q Total (cfs)           944490.80    Flow (cfs)             217868.40   145635.10   580987.30
  Top Width (ft)           5146.97    Top Width (ft)           1849.05     499.25    2798.67
  Vel Total (ft/s)            1.38    Avg. Vel. (ft/s)            1.14       1.65       1.43
  Max Chl Dpth (ft)         187.16    Hydr. Depth (ft)          103.68     176.76     145.14
  Conv. Total (cfs)       177736900.0    Conv. (cfs)            40999070.0   27406020.0   109331800.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1911.11     502.70    2868.20
  Min Ch El (ft)            572.74    Shear (lb/sq ft)            0.18       0.31       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.20       0.51       0.36
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10414.44    3027.46   13410.12
  C & E Loss (ft)             0.00    Cum SA (acres)             82.98      16.29      90.38


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6810.27*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  711.09   78.87  706.52  208.83  697.88  365.46   694.8  391.57  685.93
  394.34  685.79  670.38  674.38  788.68  666.76  788.68  664.03  809.23  663.18
  835.34  645.91   926.7  645.91  939.76  645.76  985.86  641.41 1044.17  636.39
 1064.72  636.32 1104.16  635.91 1148.59   635.6 1253.01  647.83 1301.33  643.68
 1853.41   598.5 2018.18  572.73 2121.59  572.73 2259.32  588.88 2351.14   598.5
 2940.52  600.41 3176.28  601.23 3485.96  601.23 3490.62  601.31 3804.96  605.83
 3883.55  607.26  3958.8   608.4 4242.51  607.52 4276.47  604.31 4337.08  599.76
 4526.21  602.83 4715.35  614.54 4951.77  704.75 5140.91  707.82

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1853.41     .15 2351.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1853.41 2351.14            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       192591.00   88002.50   404937.60
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            192591.00   88002.50   404937.60
  Q Total (cfs)           944490.80    Flow (cfs)             219396.30   145396.90   579697.60
  Top Width (ft)           5140.91    Top Width (ft)           1853.41     497.73    2789.77
  Vel Total (ft/s)            1.38    Avg. Vel. (ft/s)            1.14       1.65       1.43
  Max Chl Dpth (ft)         187.17    Hydr. Depth (ft)          103.91     176.81     145.15
  Conv. Total (cfs)       177572700.0    Conv. (cfs)            41248470.0   27335910.0   108988300.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1915.73     501.18    2859.28
  Min Ch El (ft)            572.73    Shear (lb/sq ft)            0.18       0.31       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.20       0.51       0.36
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10348.41    2997.17   13270.74
  C & E Loss (ft)             0.00    Cum SA (acres)             82.34      16.12      89.42


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6795.28*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  710.82   79.05  706.29  209.33  697.65  366.32  694.51  392.49  685.71
  395.27  685.57  671.96  674.25  790.54  666.52  790.54  663.65  811.14   662.8
   837.3  645.68  928.88  645.68  941.97  645.52  988.17  641.18 1046.63  636.19
 1067.23  636.11 1106.75  635.68 1151.29  635.36 1255.95  647.44 1304.39  643.29
 1857.77  598.42 2021.97  572.71 2125.57  572.71 2262.61  588.82 2353.98  598.42
 2941.49  600.43 3176.49   601.3 3485.18   601.3 3489.83  601.38 3803.16  605.78
  3881.5   607.2 3956.51  608.31 4239.31  607.38 4273.17  604.19 4333.58  599.74
 4522.11  602.99 4710.65  614.79 4946.31  704.45 5134.85   707.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1857.77     .15 2353.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1857.77 2353.98            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       193479.90   87762.27   403671.00
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            193479.90   87762.27   403671.00
  Q Total (cfs)           944490.80    Flow (cfs)             220931.30   145159.70   578399.80
  Top Width (ft)           5134.85    Top Width (ft)           1857.77     496.21    2780.87
  Vel Total (ft/s)            1.38    Avg. Vel. (ft/s)            1.14       1.65       1.43
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  Max Chl Dpth (ft)          187.19    Hydr. Depth (ft)          104.15     176.87     145.16
  Conv. Total (cfs)        177413700.0    Conv. (cfs)            41499860.0   27266890.0   108647000.0
  Length Wtd. (ft)            14.97    Wetted Per. (ft)         1920.33     499.66    2850.35
  Min Ch El (ft)             572.71    Shear (lb/sq ft)            0.18       0.31       0.25
  Alpha                        1.04    Stream Power (lb/ft s)      0.20       0.51       0.36
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    10282.07    2966.97   13131.79
  C & E Loss (ft)              0.00    Cum SA (acres)             81.70      15.95      88.46


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6780.30*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  710.55   79.24  706.06  209.82  697.42  367.18  694.22  393.41  685.48
   396.2  685.34  673.53  674.13  792.39  666.29  792.39  663.26  813.04  662.42
  839.27  645.45  931.06  645.45  944.17  645.29  990.49  640.95 1049.08  635.99
 1069.73  635.91 1109.35  635.45 1153.99  635.11  1258.9  647.04 1307.45  642.91
 1862.12  598.33 2025.76   572.7 2129.55   572.7 2265.91  588.76 2356.82  598.33
 2942.45  600.45  3176.7  601.36  3484.4  601.36 3489.03  601.45 3801.37  605.72
 3879.45  607.13 3954.22  608.22 4236.12  607.24 4269.87  604.07 4330.08  599.73
 4518.01  603.15 4705.94  615.04 4940.86  704.16 5128.79  707.58

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1862.12     .15 2356.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1862.12 2356.82             14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.90    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                       Flow Area (sq ft)       194369.40   87522.48   402410.80
  E.G. Slope (ft/ft)       0.000028    Area (sq ft)            194369.40   87522.48   402410.80
  Q Total (cfs)            944490.80    Flow (cfs)             222466.50   144919.90   577104.30
  Top Width (ft)            5128.79    Top Width (ft)           1862.12     494.70    2771.97
  Vel Total (ft/s)             1.38    Avg. Vel. (ft/s)            1.14       1.66       1.43
  Max Chl Dpth (ft)          187.20    Hydr. Depth (ft)          104.38     176.92     145.17
  Conv. Total (cfs)        177257800.0    Conv. (cfs)            41751520.0   27197920.0   108308400.0
  Length Wtd. (ft)            14.97    Wetted Per. (ft)         1924.94     498.14    2841.43
  Min Ch El (ft)             572.70    Shear (lb/sq ft)            0.18       0.31       0.25
  Alpha                        1.04    Stream Power (lb/ft s)      0.20       0.52       0.36
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    10215.42    2936.85   12993.28
  C & E Loss (ft)              0.00    Cum SA (acres)             81.06      15.78      87.51


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6765.31*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  710.27   79.42  705.83  210.31  697.19  368.04  693.93  394.33  685.26
  397.12  685.12  675.11     674  794.25  666.05  794.25  662.87  814.94  662.05
  841.23  645.23  933.24  645.23  946.38  645.05  992.81  640.72 1051.54  635.79
 1072.23   635.7 1111.94  635.23 1156.69  634.87 1261.84  646.64 1310.51  642.53
 1866.48  598.25 2029.55  572.68 2133.52  572.68  2269.2   588.7 2359.66  598.25
 2943.41  600.48  3176.9  601.43 3483.62  601.43 3488.24  601.51 3799.57  605.67
  3877.4  607.07 3951.94  608.13 4232.93   607.1 4266.57  603.96 4326.59  599.72
 4513.92   603.3 4701.24   615.3  4935.4  703.87 5122.73  707.45

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1866.48     .15 2359.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1866.48 2359.66             14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.90    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                       Flow Area (sq ft)       195259.00   87281.81   401138.40
  E.G. Slope (ft/ft)       0.000028    Area (sq ft)            195259.00   87281.81   401138.40
  Q Total (cfs)            944490.80    Flow (cfs)             224012.70   144683.00   575795.10
  Top Width (ft)            5122.73    Top Width (ft)           1866.48     493.18    2763.07
  Vel Total (ft/s)             1.38    Avg. Vel. (ft/s)            1.15       1.66       1.44
  Max Chl Dpth (ft)          187.22    Hydr. Depth (ft)          104.61     176.98     145.18
  Conv. Total (cfs)        177096000.0    Conv. (cfs)            42003330.0   27128680.0   107964000.0
  Length Wtd. (ft)            14.97    Wetted Per. (ft)         1929.56     496.62    2832.52
  Min Ch El (ft)             572.68    Shear (lb/sq ft)            0.18       0.31       0.25
  Alpha                        1.04    Stream Power (lb/ft s)      0.21       0.52       0.36
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    10148.47    2906.81   12855.21
  C & E Loss (ft)              0.00    Cum SA (acres)             80.42      15.61      86.56


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6750.33*

INPUT
Description:
Station Elevation Data    num=      39
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     710   79.61  705.59   210.8  696.96   368.9  693.64  395.25  685.03
  398.05  684.89  676.68  673.87   796.1  665.82   796.1  662.49  816.84  661.67
  843.19     645  935.42     645  948.59  644.82  995.12  640.49 1053.99  635.59
 1074.73   635.5 1114.54     635 1159.39  634.62 1264.79  646.24 1313.56  642.14
 1870.83  598.17 2033.33  572.67  2137.5  572.67  2272.5  588.63  2362.5  598.17
 2944.37   600.5 3177.11   601.5 3482.84   601.5 3487.44  601.58 3797.77  605.62
 3875.35  607.01 3949.65  608.05 4229.73  606.96 4263.26  603.84 4323.09   599.7
 4509.82  603.46 4696.54  615.55 4929.94  703.58 5116.67  707.33

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1870.83     .15  2362.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1870.83  2362.5            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       196156.20   87041.70   399867.50
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            196156.20   87041.70   399867.50
  Q Total (cfs)           944490.80    Flow (cfs)             225573.20   144442.60   574475.10
  Top Width (ft)           5116.67    Top Width (ft)           1870.83     491.67    2754.17
  Vel Total (ft/s)            1.38    Avg. Vel. (ft/s)            1.15       1.66       1.44
  Max Chl Dpth (ft)         187.23    Hydr. Depth (ft)          104.85     177.03     145.19
  Conv. Total (cfs)       176938200.0    Conv. (cfs)            42258240.0   27059460.0   107620500.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1934.17     495.10    2823.60
  Min Ch El (ft)            572.67    Shear (lb/sq ft)            0.18       0.31       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.21       0.52       0.36
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10081.21    2876.86   12717.57
  C & E Loss (ft)             0.00    Cum SA (acres)             79.78      15.44      85.61

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6735.34*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  709.73    79.8  705.36  211.29  696.73  369.76  693.35  396.17   684.8
  398.98  684.66  678.26  673.75  797.95  665.59  797.95   662.1  818.74  661.29
  845.16  644.77  937.59  644.77   950.8  644.58  997.44  640.26 1056.44  635.39
 1077.24   635.3 1117.13  634.77 1162.09  634.38 1267.73  645.84 1316.62  641.76
 1875.19  598.08 2037.12  572.65 2141.48  572.65  2275.8  588.57 2365.34  598.08
 2945.33  600.52 3177.32  601.57 3482.06  601.57 3486.65  601.65 3795.97  605.57
  3873.3  606.94 3947.36  607.96 4226.54  606.82 4259.96  603.72  4319.6  599.69
 4505.72  603.62 4691.84   615.8 4924.49  703.29 5110.61  707.21

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1875.19     .15 2365.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1875.19 2365.34            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       197052.60   86802.18   398601.00
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            197052.60   86802.18   398601.00
  Q Total (cfs)           944490.80    Flow (cfs)             227131.80   144203.30   573155.80
  Top Width (ft)           5110.61    Top Width (ft)           1875.19     490.15    2745.27
  Vel Total (ft/s)            1.38    Avg. Vel. (ft/s)            1.15       1.66       1.44
  Max Chl Dpth (ft)         187.25    Hydr. Depth (ft)          105.08     177.09     145.20
  Conv. Total (cfs)       176782800.0    Conv. (cfs)            42512840.0   26990910.0   107279000.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1938.79     493.58    2814.68
  Min Ch El (ft)            572.65    Shear (lb/sq ft)            0.18       0.31       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.21       0.52       0.36
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10013.65    2846.99   12580.37
  C & E Loss (ft)             0.00    Cum SA (acres)             79.14      15.27      84.66

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6720.36*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  709.45   79.98  705.13  211.78   696.5  370.61  693.06  397.09  684.58
   399.9  684.44  679.84  673.62  799.81  665.35  799.81  661.71  820.65  660.91
  847.12  644.55  939.77  644.55  953.01  644.34  999.76  640.02  1058.9  635.19
 1079.74  635.09 1119.73  634.55 1164.79  634.14 1270.68  645.45 1319.68  641.38
 1879.55     598 2040.91  572.64 2145.45  572.64 2279.09  588.51 2368.18     598
 2946.29  600.55 3177.53  601.64 3481.28  601.64 3485.85  601.72 3794.17  605.52
 3871.25  606.88 3945.07  607.87 4223.34  606.69 4256.66  603.61  4316.1  599.68
 4501.62  603.77 4687.13  616.05 4919.03  702.99 5104.55  707.09

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1879.55     .15 2368.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1879.55 2368.18            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
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  Vel Head (ft)              0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.90    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                     Flow Area (sq ft)       197948.40   86558.45   397327.80
  E.G. Slope (ft/ft)     0.000029    Area (sq ft)            197948.40   86558.45   397327.80
  Q Total (cfs)          944490.80    Flow (cfs)             228699.90   143956.30   571834.70
  Top Width (ft)          5104.55    Top Width (ft)           1879.55     488.63    2736.37
  Vel Total (ft/s)           1.39    Avg. Vel. (ft/s)            1.16       1.66       1.44
  Max Chl Dpth (ft)        187.26    Hydr. Depth (ft)          105.32     177.15     145.20
  Conv. Total (cfs)      176622200.0    Conv. (cfs)            42767460.0   26920190.0   106934500.0
  Length Wtd. (ft)          14.97    Wetted Per. (ft)         1943.42     492.05    2805.77
  Min Ch El (ft)           572.64    Shear (lb/sq ft)            0.18       0.31       0.25
  Alpha                      1.04    Stream Power (lb/ft s)      0.21       0.52       0.36
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     9945.77    2817.20   12443.60
  C & E Loss (ft)            0.00    Cum SA (acres)             78.49      15.10      83.72


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6705.37*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  709.18   80.17   704.9  212.27  696.27  371.47  692.77  398.01  684.35
  400.83  684.21  681.41   673.5  801.66  665.12  801.66  661.33  822.55  660.53
  849.08  644.32  941.95  644.32  955.22  644.11 1002.08  639.79 1061.35  634.99
 1082.24  634.89 1122.32  634.32 1167.49  633.89 1273.62  645.05 1322.74     641
  1883.9  597.92  2044.7  572.62 2149.43  572.62 2282.39  588.45 2371.02  597.92
 2947.25  600.57 3177.74   601.7  3480.5   601.7 3485.06  601.78 3792.38  605.47
 3869.21  606.82 3942.78  607.78 4220.15  606.55 4253.36  603.49 4312.61  599.66
 4497.52  603.93 4682.43  616.31 4913.57   702.7 5098.48  706.97

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  1883.9     .15 2371.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        1883.9 2371.02            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.90    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                     Flow Area (sq ft)       198845.20   86319.12   396061.40
  E.G. Slope (ft/ft)     0.000029    Area (sq ft)            198845.20   86319.12   396061.40
  Q Total (cfs)          944490.80    Flow (cfs)             230267.30   143713.70   570509.80
  Top Width (ft)          5098.48    Top Width (ft)           1883.90     487.12    2727.46
  Vel Total (ft/s)           1.39    Avg. Vel. (ft/s)            1.16       1.66       1.44
  Max Chl Dpth (ft)        187.28    Hydr. Depth (ft)          105.55     177.20     145.21
  Conv. Total (cfs)      176467400.0    Conv. (cfs)            43022850.0   26851280.0   106593300.0
  Length Wtd. (ft)          14.97    Wetted Per. (ft)         1948.03     490.54    2796.84
  Min Ch El (ft)           572.62    Shear (lb/sq ft)            0.18       0.31       0.25
  Alpha                      1.04    Stream Power (lb/ft s)      0.21       0.52       0.36
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     9877.59    2787.49   12307.27
  C & E Loss (ft)            0.00    Cum SA (acres)             77.84      14.93      82.78


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6690.39*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  708.91   80.35   704.66  212.76  696.04  372.33  692.48  398.93  684.13
  401.76  683.98  682.99  673.37  803.51  664.88  803.51  660.94  824.45  660.15
  851.05  644.09  944.13  644.09  957.43  643.87 1004.39  639.56 1063.81  634.78
 1084.74  634.68 1124.92  634.09 1170.19  633.65 1276.57  644.65  1325.8  640.61
 1888.26  597.83 2048.48  572.61 2153.41  572.61 2285.68  588.38 2373.86  597.83
 2948.21  600.59 3177.94  601.77 3479.72  601.77 3484.26  601.85 3790.58  605.42
 3867.16  606.75 3940.49  607.69 4216.96  606.41 4250.05  603.37 4309.11  599.65
 4493.42  604.09 4677.73  616.56 4908.12  702.41 5092.42  706.85

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1888.26     .15 2373.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1888.26 2373.86            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.90    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                     Flow Area (sq ft)       199755.20   86077.69   394794.50
  E.G. Slope (ft/ft)     0.000029    Area (sq ft)            199755.20   86077.69   394794.50
  Q Total (cfs)          944490.80    Flow (cfs)             231858.50   143464.80   569167.50
  Top Width (ft)          5092.42    Top Width (ft)           1888.26     485.60    2718.56
  Vel Total (ft/s)           1.39    Avg. Vel. (ft/s)            1.16       1.67       1.44
  Max Chl Dpth (ft)        187.29    Hydr. Depth (ft)          105.79     177.26     145.22
  Conv. Total (cfs)      176316500.0    Conv. (cfs)            43283090.0   26781840.0   106251600.0
  Length Wtd. (ft)          14.97    Wetted Per. (ft)         1952.65     489.01    2787.92
  Min Ch El (ft)           572.61    Shear (lb/sq ft)            0.18       0.32       0.25
  Alpha                      1.04    Stream Power (lb/ft s)      0.21       0.53       0.37
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     9809.10    2757.87   12171.38
  C & E Loss (ft)            0.00    Cum SA (acres)             77.20      14.76      81.85


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6675.40*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  708.64   80.54  704.43  213.25  695.81  373.19  692.19  399.85   683.9
  402.68  683.76  684.56  673.24  805.37  664.65  805.37  660.56  826.35  659.77
  853.01  643.86  946.31  643.86  959.64  643.64 1006.71  639.33 1066.26  634.58
 1087.25  634.48 1127.51  633.86 1172.89   633.4 1279.51  644.25 1328.86  640.23
 1892.61  597.75 2052.27  572.59 2157.39  572.59 2288.98  588.32  2376.7  597.75
 2949.17  600.61 3178.15  601.84 3478.94  601.84 3483.47  601.92 3788.78  605.37
 3865.11  606.69  3938.2   607.6 4213.76  606.27 4246.75  603.26 4305.61  599.64
 4489.32  604.25 4673.03  616.81 4902.66  702.12 5086.36  706.73

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1892.61     .15  2376.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1892.61  2376.7            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       200656.70   85837.95   393523.00
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            200656.70   85837.95   393523.00
  Q Total (cfs)           944490.80    Flow (cfs)             233443.50   143220.90   567826.40
  Top Width (ft)           5086.36    Top Width (ft)           1892.61     484.09    2709.66
  Vel Total (ft/s)            1.39    Avg. Vel. (ft/s)            1.16       1.67       1.44
  Max Chl Dpth (ft)         187.31    Hydr. Depth (ft)          106.02     177.32     145.23
  Conv. Total (cfs)       176161000.0    Conv. (cfs)           43540540.0   26712730.0   105907700.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1957.26     487.50    2779.01
  Min Ch El (ft)            572.59    Shear (lb/sq ft)            0.18       0.32       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.21       0.53       0.37
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9740.30    2728.33   12035.92
  C & E Loss (ft)             0.00    Cum SA (acres)             76.55      14.60      80.91


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6660.42*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  708.36   80.72   704.2  213.74  695.59  374.05   691.9  400.77  683.67
  403.61  683.53  686.14  673.12  807.22  664.41  807.22  660.17  828.25  659.39
  854.97  643.64  948.48  643.64  961.84   643.4 1009.03   639.1 1068.72  634.38
 1089.75  634.27 1130.11  633.64 1175.59  633.16 1282.46  643.85 1331.91  639.85
 1896.97  597.67 2056.06  572.58 2161.36  572.58 2292.27  588.26 2379.55  597.67
 2950.13  600.64 3178.36  601.91 3478.16  601.91 3482.67  601.99 3786.98  605.32
 3863.06  606.62 3935.91  607.51 4210.57  606.13 4243.45  603.14 4302.12  599.62
 4485.22   604.4 4668.32  617.06  4897.2  701.83  5080.3  706.61

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1896.97     .15 2379.55     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1896.97 2379.55            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       201559.20   85595.32   392249.40
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            201559.20   85595.32   392249.40
  Q Total (cfs)           944490.80    Flow (cfs)             235035.80   142970.50   566484.60
  Top Width (ft)           5080.30    Top Width (ft)           1896.97     482.58    2700.75
  Vel Total (ft/s)            1.39    Avg. Vel. (ft/s)            1.17       1.67       1.44
  Max Chl Dpth (ft)         187.32    Hydr. Depth (ft)          106.25     177.37     145.24
  Conv. Total (cfs)       176003700.0    Conv. (cfs)           43798380.0   26642210.0   105563100.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1961.89     485.99    2770.09
  Min Ch El (ft)            572.58    Shear (lb/sq ft)            0.18       0.32       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.22       0.53       0.37
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9671.18    2698.87   11900.90
  C & E Loss (ft)             0.00    Cum SA (acres)             75.90      14.43      79.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6645.43*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  708.09   80.91  703.97  214.23  695.36  374.91  691.61  401.69  683.45
  404.54  683.31  687.71  672.99  809.07  664.18  809.07  659.78  830.16  659.02
  856.94  643.41  950.66  643.41  964.05  643.17 1011.34  638.87 1071.17  634.18
 1092.25  634.07  1132.7  633.41 1178.29  632.91  1285.4  643.46 1334.97  639.46
 1901.33  597.58 2059.85  572.56 2165.34  572.56 2295.57   588.2 2382.39  597.58
 2951.09  600.66 3178.57  601.98 3477.38  601.98 3481.88  602.05 3785.18  605.26
 3861.01  606.56 3933.63  607.42 4207.37     606 4240.15  603.02 4298.62  599.61
 4481.12  604.56 4663.62  617.31 4891.74  701.53 5074.24  706.48

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1901.33     .15 2382.39     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1901.33 2382.39            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       202470.90   85354.74   390985.90
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            202470.90   85354.74   390985.90
  Q Total (cfs)           944490.80    Flow (cfs)             236637.00   142720.10   565133.80
  Top Width (ft)           5074.24    Top Width (ft)           1901.33     481.06    2691.85
  Vel Total (ft/s)            1.39    Avg. Vel. (ft/s)            1.17       1.67       1.45
  Max Chl Dpth (ft)         187.34    Hydr. Depth (ft)         106.49     177.43     145.25
  Conv. Total (cfs)       175855300.0    Conv. (cfs)            44059560.0   26573130.0   105222600.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1966.54     484.46    2761.18
  Min Ch El (ft)            572.56    Shear (lb/sq ft)            0.19       0.32       0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.22       0.53       0.37
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9601.76    2669.50   11766.31
  C & E Loss (ft)             0.00    Cum SA (acres)             75.24      14.27      79.06


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6630.45*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  707.82   81.09  703.73  214.72  695.13  375.77  691.33  402.61  683.22
  405.46  683.08  689.29  672.87  810.93  663.94  810.93   659.4  832.06  658.64
   858.9  643.18  952.84  643.18  966.26  642.93 1013.66  638.63 1073.62  633.98
 1094.75  633.86  1135.3  633.18 1180.99  632.67 1288.35  643.06 1338.03  639.08
 1905.68   597.5 2063.64  572.55 2169.32  572.55 2298.86  588.14 2385.23   597.5
 2952.05  600.68 3178.78  602.05  3476.6  602.05 3481.08  602.12 3783.39  605.21
 3858.96   606.5 3931.34  607.34 4204.18  605.86 4236.84  602.91 4295.13   599.6
 4477.02  604.72 4658.92  617.57 4886.29  701.24 5068.18  706.36

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1905.68     .15 2385.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1905.68 2385.23            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       203379.10   85111.93   389710.50
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            203379.10   85111.93   389710.50
  Q Total (cfs)           944490.80    Flow (cfs)             238247.20   142467.00   563776.70
  Top Width (ft)           5068.18    Top Width (ft)           1905.68     479.55    2682.95
  Vel Total (ft/s)            1.39    Avg. Vel. (ft/s)            1.17       1.67       1.45
  Max Chl Dpth (ft)         187.35    Hydr. Depth (ft)         106.72     177.48     145.25
  Conv. Total (cfs)       175699600.0    Conv. (cfs)            44320130.0   26502530.0   104877000.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1971.15     482.95    2752.27
  Min Ch El (ft)            572.55    Shear (lb/sq ft)            0.19       0.32       0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.22       0.53       0.37
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9532.02    2640.21   11632.17
  C & E Loss (ft)             0.00    Cum SA (acres)             74.59      14.10      78.13


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6615.47*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  707.55   81.28   703.5  215.22   694.9  376.63  691.04  403.53     683
  406.39  682.85  690.86  672.74  812.78  663.71  812.78  659.01  833.96  658.26
  860.86  642.95  955.02  642.95  968.47   642.7 1015.98   638.4 1076.08  633.78
 1097.26  633.66 1137.89  632.95 1183.69  632.43 1291.29  642.66 1341.09   638.7
 1910.04  597.42 2067.42  572.53  2173.3  572.53 2302.16  588.07 2388.07  597.42
 2953.01   600.7 3178.99  602.11 3475.82  602.11 3480.29  602.19 3781.59  605.16
 3856.91  606.43 3929.05  607.25 4200.99  605.72 4233.54  602.79 4291.63  599.58
 4472.92  604.87 4654.21  617.82 4880.83  700.95 5062.12  706.24

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1910.04     .15 2388.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1910.04 2388.07            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       204290.70   84871.02   388446.20
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            204290.70   84871.02   388446.20
  Q Total (cfs)           944490.80    Flow (cfs)             239856.50   142214.30   562420.10
  Top Width (ft)           5062.12    Top Width (ft)           1910.04     478.03    2674.05
  Vel Total (ft/s)            1.39    Avg. Vel. (ft/s)            1.17       1.68       1.45
  Max Chl Dpth (ft)         187.37    Hydr. Depth (ft)         106.96     177.54     145.27
  Conv. Total (cfs)       175551200.0    Conv. (cfs)            44581780.0   26433170.0   104536200.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1975.79     481.43    2743.36
  Min Ch El (ft)            572.53    Shear (lb/sq ft)            0.19       0.32       0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.22       0.53       0.37
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9461.97    2611.00   11498.45
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  C & E Loss (ft)             0.00    Cum SA (acres)             73.93      13.94      77.21


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6600.48*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  707.27   81.46  703.27  215.71  694.67  377.49  690.75  404.45  682.77
  407.32  682.63  692.44  672.61  814.64  663.47  814.64  658.62  835.86  657.88
  862.83  642.73   957.2  642.73  970.68  642.46 1018.29  638.17 1078.53  633.58
 1099.76  633.45 1140.49  632.73 1186.39  632.18 1294.24  642.26 1344.15  638.31
 1914.39  597.33 2071.21  572.52 2177.27  572.52 2305.45  588.01 2390.91  597.33
 2953.97  600.73 3179.19  602.18 3475.04  602.18 3479.49  602.26 3779.79  605.11
 3854.87  606.37 3926.76  607.16 4197.79  605.58 4230.24  602.67 4288.14  599.57
 4468.82  605.03 4649.51  618.07 4875.37  700.66 5056.06  706.12

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1914.39     .15 2390.91     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1914.39 2390.91            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       205208.30   84628.98   387173.20
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            205208.30   84628.98   387173.20
  Q Total (cfs)           944490.80    Flow (cfs)             241485.20   141958.90   561046.70
  Top Width (ft)           5056.06    Top Width (ft)           1914.39     476.52    2665.15
  Vel Total (ft/s)            1.40    Avg. Vel. (ft/s)            1.18       1.68       1.45
  Max Chl Dpth (ft)         187.38    Hydr. Depth (ft)          107.19     177.60     145.27
  Conv. Total (cfs)       175400700.0    Conv. (cfs)            44846050.0   26363080.0   104191600.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1980.42     479.91    2734.45
  Min Ch El (ft)            572.52    Shear (lb/sq ft)            0.19       0.32       0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.22       0.54       0.37
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9391.60    2581.87   11365.18
  C & E Loss (ft)             0.00    Cum SA (acres)             73.28      13.77      76.30


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6585.5*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     707   81.65  703.03   216.2  694.44  378.35  690.46  405.37  682.54
  408.24   682.4  694.02  672.49  816.49  663.24  816.49  658.24  837.76   657.5
  864.79   642.5  959.38   642.5  972.89  642.22 1020.61  637.94 1080.99  633.38
 1102.26  633.25 1143.09   632.5 1189.08  631.94 1297.18  641.86 1347.21  637.93
 1918.75  597.25    2075   572.5 2181.25   572.5 2308.75  587.95 2393.75  597.25
 2954.93  600.75  3179.4  602.25 3474.26  602.25  3478.7  602.32 3777.99  605.06
 3852.82  606.31 3924.47  607.07  4194.6  605.44 4226.94  602.56 4284.64  599.56
 4464.72  605.19 4644.81  618.32 4869.92  700.37    5050     706

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1918.75     .15 2393.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1918.75 2393.75            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       206123.40   84386.56   385902.80
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            206123.40   84386.56   385902.80
  Q Total (cfs)           944490.80    Flow (cfs)             243111.90   141702.60   559676.40
  Top Width (ft)           5050.00    Top Width (ft)           1918.75     475.00    2656.25
  Vel Total (ft/s)            1.40    Avg. Vel. (ft/s)            1.18       1.68       1.45
  Max Chl Dpth (ft)         187.40    Hydr. Depth (ft)          107.43     177.66     145.28
  Conv. Total (cfs)       175250500.0    Conv. (cfs)            45109460.0   26292940.0   103848100.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1985.05     478.39    2725.54
  Min Ch El (ft)            572.50    Shear (lb/sq ft)            0.19       0.32       0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.22       0.54       0.37
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9320.93    2552.83   11232.34
  C & E Loss (ft)             0.00    Cum SA (acres)             72.62      13.61      75.38


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6570.51*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  706.73   81.83   702.8  216.69  694.21   379.2  690.17  406.29  682.32
  409.17  682.17  695.59  672.36  818.34     663  818.34  657.85  839.67  657.12
  866.75  642.27  961.55  642.27   975.1  641.99 1022.93  637.71 1083.44  633.18
 1104.76  633.05 1145.68  632.27 1191.78  631.69 1300.13  641.46 1350.27  637.55
 1923.11  597.17 2078.79  572.48 2185.23  572.48 2312.05  587.89 2396.59  597.17
```

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 2955.89  600.77 3179.61  602.32 3473.48  602.32  3477.9  602.39  3776.2  605.01
 3850.77  606.24 3922.18  606.98  4191.4  605.31 4223.63  602.44 4281.14  599.54
 4460.63  605.35 4640.11  618.58 4864.46  700.07 5043.94  705.88

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1923.11     .15 2396.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1923.11 2396.59            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       207042.70   84143.96   384631.10
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            207042.70   84143.96   384631.10
  Q Total (cfs)           944490.80    Flow (cfs)             244749.10   141444.40   558297.30
  Top Width (ft)           5043.94    Top Width (ft)           1923.11     473.48    2647.35
  Vel Total (ft/s)            1.40    Avg. Vel. (ft/s)            1.18       1.68       1.45
  Max Chl Dpth (ft)         187.42    Hydr. Depth (ft)          107.66     177.71     145.29
  Conv. Total (cfs)       175101400.0    Conv. (cfs)            45374620.0   26222720.0   103504100.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1989.69     476.87    2716.63
  Min Ch El (ft)            572.48    Shear (lb/sq ft)            0.19       0.32       0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.22       0.54       0.37
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9249.93    2523.87   11099.94
  C & E Loss (ft)             0.00    Cum SA (acres)             71.96      13.45      74.47


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6555.53*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  706.45   82.02  702.57  217.18  693.98  380.06  689.88  407.21  682.09
   410.1  681.95  697.17  672.23   820.2  662.77   820.2  657.47  841.57  656.74
  868.72  642.05  963.73  642.05   977.3  641.75 1025.25  637.48 1085.89  632.98
 1107.27  632.84 1148.28  632.05 1194.48  631.45 1303.07  641.07 1353.32  637.16
 1927.46  597.08 2082.58  572.47  2189.2  572.47 2315.34  587.83 2399.43  597.08
 2956.85   600.8 3179.82  602.39  3472.7  602.39 3477.11  602.46  3774.4  604.96
 3848.72  606.18 3919.89  606.89 4188.21  605.17 4220.33  602.32 4277.65  599.53
 4456.53   605.5  4635.4  618.83    4859  699.78 5037.88  705.76

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1927.46     .15 2399.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1927.46 2399.43            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       207964.30   83901.43   383359.00
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            207964.30   83901.43   383359.00
  Q Total (cfs)           944490.80    Flow (cfs)             246394.30   141184.60   556911.90
  Top Width (ft)           5037.88    Top Width (ft)           1927.46     471.97    2638.45
  Vel Total (ft/s)            1.40    Avg. Vel. (ft/s)            1.18       1.68       1.45
  Max Chl Dpth (ft)         187.43    Hydr. Depth (ft)          107.90     177.77     145.30
  Conv. Total (cfs)       174953000.0    Conv. (cfs)            45640910.0   26152370.0   103159700.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1994.33     475.35    2707.73
  Min Ch El (ft)            572.47    Shear (lb/sq ft)            0.19       0.32       0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.22       0.54       0.37
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9178.62    2495.00   10967.97
  C & E Loss (ft)             0.00    Cum SA (acres)             71.30      13.28      73.56


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6540.54*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  706.18   82.21  702.34  217.67  693.75  380.92  689.59  408.13  681.87
  411.03  681.72  698.74  672.11  822.05  662.53  822.05  657.08  843.47  656.36
  870.68  641.82  965.91  641.82  979.51  641.52 1027.56  637.24 1088.35  632.78
 1109.77  632.64 1150.87  631.82 1197.18   631.2 1306.02  640.67 1356.38  636.78
 1931.82     597 2086.36  572.45 2193.18  572.45 2318.64  587.76 2402.27     597
 2957.81  600.82 3180.03  602.45 3471.92  602.45 3476.31  602.53  3772.6  604.91
 3846.67  606.12  3917.6   606.8 4185.02  605.03 4217.03  602.21 4274.15  599.51
 4452.43  605.66  4630.7  619.08 4853.54  699.49 5031.82  705.64

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1931.82     .15 2402.27     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1931.82 2402.27            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       208886.10   83659.66   382091.40
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            208886.10   83659.66   382091.40
  Q Total (cfs)           944490.80    Flow (cfs)             248039.40   140925.20   555526.30
  Top Width (ft)           5031.82    Top Width (ft)           1931.82     470.45    2629.55
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  Vel Total (ft/s)            1.40    Avg. Vel. (ft/s)            1.19       1.68       1.45
  Max Chl Dpth (ft)         187.45    Hydr. Depth (ft)          108.13     177.83     145.31
  Conv. Total (cfs)       174807400.0    Conv. (cfs)            45907400.0   26082580.0   102817400.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1998.97     473.83    2698.82
  Min Ch El (ft)            572.45    Shear (lb/sq ft)            0.19       0.32       0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.23       0.54       0.38
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9106.99    2466.20   10836.44
  C & E Loss (ft)             0.00    Cum SA (acres)             70.63      13.12      72.66


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6525.56*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  705.91   82.39   702.1  218.16  693.52  381.78   689.3  409.05  681.64
  411.95   681.5  700.32  671.98   823.9   662.3   823.9  656.69  845.37  655.98
  872.64  641.59  968.09  641.59  981.72  641.28 1029.88  637.01  1090.8  632.58
 1112.27  632.43 1153.47  631.59 1199.88  630.96 1308.96  640.27 1359.44   636.4
 1936.17  596.92 2090.15  572.44 2197.16  572.44 2321.93   587.7 2405.11  596.92
 2958.77  600.84 3180.23  602.52 3471.14  602.52 3475.52  602.59  3770.8  604.86
 3844.62  606.05 3915.32  606.71 4181.82  604.89 4213.73  602.09 4270.66   599.5
 4448.33  605.82    4626  619.33 4848.09   699.2 5025.76  705.52

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1936.17     .15 2405.11     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1936.17 2405.11            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       209809.10   83415.70   380821.50
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            209809.10   83415.70   380821.50
  Q Total (cfs)           944490.80    Flow (cfs)             249693.30   140659.20   554138.30
  Top Width (ft)           5025.76    Top Width (ft)           1936.17     468.94    2620.65
  Vel Total (ft/s)            1.40    Avg. Vel. (ft/s)            1.19       1.69       1.46
  Max Chl Dpth (ft)         187.46    Hydr. Depth (ft)          108.36     177.88     145.32
  Conv. Total (cfs)       174659900.0    Conv. (cfs)            46174510.0   26011400.0   102474000.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2003.61     472.31    2689.92
  Min Ch El (ft)            572.44    Shear (lb/sq ft)            0.19       0.32       0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.23       0.54       0.38
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9035.05    2437.49   10705.35
  C & E Loss (ft)             0.00    Cum SA (acres)             69.97      12.96      71.75


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6510.57*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  705.64   82.58  701.87  218.65  693.29  382.64  689.01  409.97  681.41
  412.88  681.27  701.89  671.86  825.76  662.06  825.76  656.31  847.27  655.61
  874.61  641.36  970.27  641.36  983.93  641.05  1032.2  636.78 1093.26  632.38
 1114.77  632.23 1156.06  631.36 1202.58  630.71 1311.91  639.87  1362.5  636.01
 1940.53  596.83 2093.94  572.42 2201.14  572.42 2325.23  587.64 2407.95  596.83
 2959.73  600.86 3180.44  602.59 3470.36  602.59 3474.72  602.66    3769   604.8
 3842.57  605.99 3913.03  606.62 4178.63  604.75 4210.42  601.97 4267.16  599.49
 4444.23  605.98  4621.3  619.58 4842.63  698.91  5019.7  705.39

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1940.53     .15 2407.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1940.53 2407.95            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       210740.00   83173.57   379554.30
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            210740.00   83173.57   379554.30
  Q Total (cfs)           944490.80    Flow (cfs)             251359.30   140395.60   552735.90
  Top Width (ft)           5019.70    Top Width (ft)           1940.53     467.42    2611.75
  Vel Total (ft/s)            1.40    Avg. Vel. (ft/s)            1.19       1.69       1.46
  Max Chl Dpth (ft)         187.47    Hydr. Depth (ft)          108.60     177.94     145.33
  Conv. Total (cfs)       174517800.0    Conv. (cfs)            46444800.0   25941520.0   102131500.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2008.25     470.79    2681.03
  Min Ch El (ft)            572.42    Shear (lb/sq ft)            0.19       0.32       0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.23       0.55       0.38
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8962.78    2408.87   10574.69
  C & E Loss (ft)             0.00    Cum SA (acres)             69.30      12.80      70.86


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6495.59*

INPUT
Description:
```

```
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  705.36   82.76  701.64  219.14  693.07   383.5  688.72  410.89  681.19
  413.81  681.04  703.47  671.73  827.61  661.83  827.61  655.92  849.18  655.23
  876.57  641.14  972.44  641.14  986.14  640.81 1034.51  636.55 1095.71  632.18
 1117.28  632.02 1158.66  631.14 1205.28  630.47 1314.85  639.47 1365.56  635.63
 1944.89  596.75 2097.73  572.41 2205.11  572.41 2328.52  587.58  2410.8  596.75
 2960.69  600.89 3180.65  602.66 3469.58  602.66 3473.93  602.73 3767.21  604.75
 3840.53  605.92 3910.74  606.54 4175.43  604.62 4207.12  601.86 4263.67  599.47
 4440.13  606.13 4616.59  619.84 4837.17  698.61 5013.64  705.27

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1944.89     .15  2410.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1944.89  2410.8            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       211665.90   82929.16   378275.60
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            211665.90   82929.16   378275.60
  Q Total (cfs)           944490.80    Flow (cfs)             253029.30   140129.50   551331.90
  Top Width (ft)           5013.64    Top Width (ft)           1944.89     465.91    2602.84
  Vel Total (ft/s)            1.40    Avg. Vel. (ft/s)            1.20       1.69       1.46
  Max Chl Dpth (ft)         187.48    Hydr. Depth (ft)          108.83     177.99     145.33
  Conv. Total (cfs)       174367800.0    Conv. (cfs)            46713170.0   25870110.0   101784500.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2012.91     469.27    2672.11
  Min Ch El (ft)            572.41    Shear (lb/sq ft)            0.19       0.32       0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.23       0.55       0.38
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8890.20    2380.33   10444.47
  C & E Loss (ft)             0.00    Cum SA (acres)             68.63      12.64      69.96


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6480.60*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  705.09   82.95  701.41  219.63  692.84  384.36  688.43  411.81  680.96
  414.73  680.82  705.05   671.6  829.46  661.59  829.46  655.53  851.08  654.85
  878.53  640.91  974.62  640.91  988.35  640.57 1036.83  636.32 1098.16  631.98
 1119.78  631.82 1161.25  630.91 1207.98  630.23  1317.8  639.08 1368.62  635.25
 1949.24  596.67 2101.52  572.39 2209.09  572.39 2331.82  587.52 2413.64  596.67
 2961.65  600.91 3180.86  602.73  3468.8  602.73 3473.13   602.8 3765.41   604.7
 3838.48  605.86 3908.45  606.45 4172.24  604.48 4203.82  601.74 4260.17  599.46
 4436.03  606.29 4611.89  620.09 4831.72  698.32 5007.58  705.15

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1949.24     .15 2413.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1949.24 2413.64            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       212593.30   82687.27   377003.10
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            212593.30   82687.27   377003.10
  Q Total (cfs)           944490.80    Flow (cfs)             254701.20   139865.90   549923.60
  Top Width (ft)           5007.58    Top Width (ft)           1949.24     464.40    2593.94
  Vel Total (ft/s)            1.40    Avg. Vel. (ft/s)            1.20       1.69       1.46
  Max Chl Dpth (ft)         187.50    Hydr. Depth (ft)          109.06     178.05     145.34
  Conv. Total (cfs)       174222400.0    Conv. (cfs)            46982620.0   25799900.0   101439800.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2017.55     467.76    2663.21
  Min Ch El (ft)            572.39    Shear (lb/sq ft)            0.19       0.32       0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.23       0.55       0.38
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8817.30    2351.87   10314.69
  C & E Loss (ft)             0.00    Cum SA (acres)             67.96      12.48      69.07


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6465.62*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  704.82   83.13  701.17  220.12  692.61  385.22  688.14  412.73  680.74
  415.66  680.59  706.62  671.48  831.32  661.36  831.32  655.15  852.98  654.47
   880.5  640.68   976.8  640.68  990.56  640.34 1039.15  636.09 1100.62  631.78
 1122.28  631.61 1163.85  630.68 1210.68  629.98 1320.74  638.68 1371.68  634.87
  1953.6  596.58  2105.3  572.38 2213.07  572.38 2335.11  587.45 2416.48  596.58
 2962.61  600.93 3181.07   602.8 3468.02   602.8 3472.34  602.86 3763.61  604.65
 3836.43   605.8 3906.16  606.36 4169.05  604.34 4200.52  601.62 4256.67  599.45
 4431.93  606.45 4607.19  620.34 4826.26  698.03 5001.52  705.03

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  1953.6     .15 2416.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        1953.6 2416.48            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
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  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       213528.20   82443.23   375734.00
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            213528.20   82443.23   375734.00
  Q Total (cfs)           944490.80    Flow (cfs)              256385.70   139595.70   548509.40
  Top Width (ft)           5001.52    Top Width (ft)           1953.60     462.88    2585.04
  Vel Total (ft/s)            1.41    Avg. Vel. (ft/s)            1.20       1.69       1.46
  Max Chl Dpth (ft)         187.51    Hydr. Depth (ft)          109.30     178.11     145.35
  Conv. Total (cfs)       174080800.0    Conv. (cfs)            47254900.0   25729130.0   101096700.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2022.20     466.24    2654.31
  Min Ch El (ft)            572.38    Shear (lb/sq ft)            0.19       0.32       0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.23       0.55       0.38
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8744.08    2323.49   10185.35
  C & E Loss (ft)             0.00    Cum SA (acres)             67.29      12.32      68.18


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6450.63*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  704.55   83.32  700.94  220.61  692.38  386.08  687.86  413.65  680.51
  416.59  680.36   708.2  671.35  833.17  661.13  833.17  654.76  854.88  654.09
  882.46  640.45  978.98  640.45  992.77   640.1 1041.47  635.85 1103.07  631.57
 1124.78  631.41 1166.44  630.45 1213.38  629.74 1323.69  638.28 1374.73  634.48
 1957.95   596.5 2109.09  572.36 2217.05  572.36 2338.41  587.39 2419.32   596.5
 2963.57  600.95 3181.27  602.86 3467.24  602.86 3471.54  602.93 3761.81   604.6
 3834.38  605.73 3903.87  606.27 4165.85   604.2 4197.22  601.51 4253.18  599.43
 4427.83   606.6 4602.48  620.59  4820.8  697.74 4995.45  704.91

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1957.95     .15 2419.32     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1957.95 2419.32            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       214464.70   82201.05   374466.90
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            214464.70   82201.05   374466.90
  Q Total (cfs)           944490.80    Flow (cfs)              258073.70   139325.60   547091.60
  Top Width (ft)           4995.45    Top Width (ft)           1957.95     461.37    2576.13
  Vel Total (ft/s)            1.41    Avg. Vel. (ft/s)            1.20       1.69       1.46
  Max Chl Dpth (ft)         187.53    Hydr. Depth (ft)          109.54     178.17     145.36
  Conv. Total (cfs)       173941400.0    Conv. (cfs)            47527920.0   25658780.0   100754700.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2026.85     464.72    2645.40
  Min Ch El (ft)            572.36    Shear (lb/sq ft)            0.19       0.33       0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.23       0.55       0.38
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8670.53    2295.20   10056.44
  C & E Loss (ft)             0.00    Cum SA (acres)             66.62      12.16      67.29


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6435.65*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  704.27    83.5  700.71  221.11  692.15  386.93  687.57  414.57  680.28
  417.51  680.14  709.77  671.23  835.03  660.89  835.03  654.38  856.78  653.71
  884.42  640.23  981.16  640.23  994.97  639.87 1043.78  635.62 1105.53  631.37
 1127.28   631.2 1169.04  630.23 1216.08  629.49 1326.63  637.88 1377.79   634.1
 1962.31  596.42 2112.88  572.35 2221.02  572.35  2341.7  587.33 2422.16  596.42
 2964.53  600.98 3181.48  602.93 3466.46  602.93 3470.75     603 3760.01  604.55
 3832.33  605.67 3901.58  606.18 4162.66  604.06 4193.91  601.39 4249.68  599.42
 4423.73  606.76 4597.78  620.85 4815.34  697.45 4989.39  704.79

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1962.31     .15 2422.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1962.31 2422.16            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       215397.90   81954.26   373187.70
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            215397.90   81954.26   373187.70
  Q Total (cfs)           944490.80    Flow (cfs)              259771.90   139051.30   545667.60
  Top Width (ft)           4989.39    Top Width (ft)           1962.31     459.85    2567.23
  Vel Total (ft/s)            1.41    Avg. Vel. (ft/s)            1.21       1.70       1.46
  Max Chl Dpth (ft)         187.54    Hydr. Depth (ft)          109.77     178.22     145.37
  Conv. Total (cfs)       173793500.0    Conv. (cfs)            47800010.0   25586500.0   100407000.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2031.50     463.20    2636.50
  Min Ch El (ft)            572.35    Shear (lb/sq ft)            0.20       0.33       0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.24       0.55       0.38
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8596.67    2267.00    9927.97
  C & E Loss (ft)             0.00    Cum SA (acres)             65.95      12.00      66.41


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6420.66*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     704   83.69  700.48   221.6  691.92  387.79  687.28  415.49  680.06
  418.44  679.91  711.35   671.1  836.88  660.66  836.88  653.99  858.69  653.33
  886.38     640  983.33     640  997.18  639.63  1046.1  635.39 1107.98  631.17
 1129.79     631 1171.63     630 1218.78  629.25 1329.58  637.48 1380.85  633.72
 1966.67  596.33 2116.67  572.33    2225  572.33    2345  587.27    2425  596.33
 2965.49     601 3181.69     603 3465.68     603 3469.95  603.07 3758.22   604.5
 3830.28  605.61 3899.29  606.09 4159.46  603.93 4190.61  601.27 4246.19  599.41
 4419.63  606.92 4593.08   621.1 4809.89  697.15 4983.33  704.67

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1966.67     .15    2425     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1966.67    2425            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       216339.30   81711.12   371917.80
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            216339.30   81711.12   371917.80
  Q Total (cfs)           944490.80    Flow (cfs)             261475.80   138779.60   544235.40
  Top Width (ft)           4983.33    Top Width (ft)           1966.67     458.33    2558.33
  Vel Total (ft/s)            1.41    Avg. Vel. (ft/s)            1.21       1.70       1.46
  Max Chl Dpth (ft)         187.56    Hydr. Depth (ft)         110.00     178.28     145.38
  Conv. Total (cfs)       173654700.0    Conv. (cfs)           48075120.0   25516110.0   100063500.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2036.17     461.68    2627.60
  Min Ch El (ft)            572.33    Shear (lb/sq ft)            0.20       0.33       0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.24       0.56       0.38
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8522.48    2238.87    9799.94
  C & E Loss (ft)             0.00    Cum SA (acres)             65.27      11.84      65.53


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6405.68*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  703.73   83.87  700.24  222.09  691.69  388.65  686.99  416.41  679.83
  419.37  679.69  712.92  670.97  838.73  660.42  838.73   653.6  860.59  652.95
  888.35  639.77  985.51  639.77  999.39   639.4 1048.42  635.16 1110.44  630.97
 1132.29   630.8 1174.23  629.77 1221.48     629 1332.52  637.09 1383.91  633.33
 1971.02  596.25 2120.45  572.32 2228.98  572.32  2348.3   587.2 2427.84  596.25
 2966.45  601.02  3181.9  603.07  3464.9  603.07 3469.16  603.13 3756.42  604.45
 3828.23  605.54 3897.01     606 4156.27  603.79 4187.31  601.16 4242.69  599.39
 4415.53  607.08 4588.38  621.35 4804.43  696.86 4977.27  704.55

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1971.02     .15 2427.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1971.02 2427.84            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       217281.60   81467.13   370646.90
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            217281.60   81467.13   370646.90
  Q Total (cfs)           944490.80    Flow (cfs)             263187.80   138503.60   542799.40
  Top Width (ft)           4977.27    Top Width (ft)           1971.02     456.82    2549.43
  Vel Total (ft/s)            1.41    Avg. Vel. (ft/s)            1.21       1.70       1.46
  Max Chl Dpth (ft)         187.57    Hydr. Depth (ft)         110.24     178.34     145.38
  Conv. Total (cfs)       173515400.0    Conv. (cfs)           48351070.0   25444920.0   99719380.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2040.82     460.16    2618.71
  Min Ch El (ft)            572.32    Shear (lb/sq ft)            0.20       0.33       0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.24       0.56       0.38
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8447.97    2210.83    9672.34
  C & E Loss (ft)             0.00    Cum SA (acres)             64.60      11.69      64.65


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6390.69*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  703.45   84.06  700.01  222.58  691.46  389.51   686.7  417.33  679.61
  420.29  679.46   714.5  670.85  840.59  660.19  840.59  653.22  862.49  652.58
  890.31  639.55  987.69  639.55  1001.6  639.16 1050.73  634.93 1112.89  630.77
 1134.79  630.59 1176.82  629.55 1224.18  628.76 1335.47  636.69 1386.97  632.95
 1975.38  596.17 2124.24   572.3 2232.95   572.3 2351.59  587.14 2430.68  596.17
 2967.41  601.05 3182.11  603.14 3464.12  603.14 3468.36   603.2 3754.62   604.4
 3826.18  605.48 3894.72  605.91 4153.08  603.65 4184.01  601.04 4239.19  599.38
 4411.43  607.23 4583.67   621.6 4798.97  696.57 4971.21  704.42

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
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       0     .15 1975.38     .15 2430.68     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1975.38 2430.68            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       218220.80   81222.29   369371.40
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            218220.80   81222.29   369371.40
  Q Total (cfs)           944490.80    Flow (cfs)             264901.60   138229.10   541360.10
  Top Width (ft)           4971.21    Top Width (ft)          1975.38     455.30    2540.53
  Vel Total (ft/s)            1.41    Avg. Vel. (ft/s)           1.21       1.70       1.47
  Max Chl Dpth (ft)         187.59    Hydr. Depth (ft)         110.47     178.39     145.39
  Conv. Total (cfs)       173372300.0    Conv. (cfs)           48625780.0   25373560.0   99372980.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2045.48     458.64    2609.83
  Min Ch El (ft)            572.30    Shear (lb/sq ft)           0.20       0.33       0.26
  Alpha                       1.04    Stream Power (lb/ft s)     0.24       0.56       0.38
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    8373.14    2182.88    9545.18
  C & E Loss (ft)             0.00    Cum SA (acres)            63.92      11.53      63.77


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6375.71*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  703.18   84.24  699.78  223.07  691.23  390.37  686.41  418.25  679.38
  421.22  679.23  716.07  670.72  842.44  659.95  842.44  652.83  864.39   652.2
  892.27  639.32  989.87  639.32 1003.81  638.93 1053.05  634.69 1115.34  630.57
 1137.29  630.39 1179.42  629.32 1226.88  628.52 1338.41  636.29 1390.03  632.57
 1979.73  596.08 2128.03  572.29 2236.93  572.29 2354.89  587.08 2433.52  596.08
 2968.37  601.07 3182.31   603.2 3463.34   603.2 3467.57  603.27 3752.82  604.34
 3824.14  605.41 3892.43  605.83 4149.88  603.51  4180.7  600.92  4235.7  599.37
 4407.33  607.39 4578.97  621.85 4793.52  696.28 4965.15   704.3

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1979.73     .15 2433.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1979.73 2433.52            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       219168.00   80977.98   368105.20
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            219168.00   80977.98   368105.20
  Q Total (cfs)           944490.80    Flow (cfs)             266624.80   137948.40   539917.60
  Top Width (ft)           4965.15    Top Width (ft)          1979.73     453.79    2531.63
  Vel Total (ft/s)            1.41    Avg. Vel. (ft/s)           1.22       1.70       1.47
  Max Chl Dpth (ft)         187.60    Hydr. Depth (ft)         110.71     178.45     145.40
  Conv. Total (cfs)       173237200.0    Conv. (cfs)           48903960.0   25302300.0   99030970.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2050.14     457.12    2600.93
  Min Ch El (ft)            572.29    Shear (lb/sq ft)           0.20       0.33       0.26
  Alpha                       1.04    Stream Power (lb/ft s)     0.24       0.56       0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    8297.98    2155.01    9418.46
  C & E Loss (ft)             0.00    Cum SA (acres)            63.24      11.37      62.90


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6360.72*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  702.91   84.43  699.54  223.56     691  391.23  686.12  419.17  679.15
  422.15  679.01  717.65  670.59  844.29  659.72  844.29  652.44  866.29  651.82
  894.24  639.09  992.05  639.09 1006.02  638.69 1055.37  634.46  1117.8  630.37
  1139.8  630.18 1182.01  629.09 1229.58  628.27 1341.36  635.89 1393.09  632.18
 1984.09     596 2131.82  572.27 2240.91  572.27 2358.18  587.02 2436.36     596
 2969.33  601.09 3182.52  603.27 3462.56  603.27 3466.77  603.34 3751.02  604.29
 3822.09  605.35 3890.14  605.74 4146.69  603.37  4177.4  600.81  4232.2  599.35
 4403.24  607.55 4574.27  622.11 4788.06  695.99 4959.09  704.18

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1984.09     .15 2436.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1984.09 2436.36            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       220118.60   80732.91   366829.90
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            220118.60   80732.91   366829.90
  Q Total (cfs)           944490.80    Flow (cfs)             268362.00   137668.40   538460.40
  Top Width (ft)           4959.09    Top Width (ft)          1984.09     452.27    2522.73
  Vel Total (ft/s)            1.41    Avg. Vel. (ft/s)           1.22       1.71       1.47
  Max Chl Dpth (ft)         187.62    Hydr. Depth (ft)         110.94     178.51     145.41
  Conv. Total (cfs)       173099000.0    Conv. (cfs)           49183320.0   25230810.0   98684890.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2054.81     455.60    2592.04
  Min Ch El (ft)            572.27    Shear (lb/sq ft)           0.20       0.33       0.26
  Alpha                       1.04    Stream Power (lb/ft s)     0.24       0.56       0.39
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  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     8222.50    2127.22    9292.17
  C & E Loss (ft)            0.00    Cum SA (acres)             62.56      11.22      62.03

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6345.74*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  702.64   84.61  699.31  224.05  690.77  392.09  685.83  420.09  678.93
  423.07  678.78  719.23  670.47  846.15  659.48  846.15  652.06   868.2  651.44
   896.2  638.86  994.22  638.86 1008.23  638.45 1057.68  634.23 1120.25  630.17
  1142.3  629.98 1184.61  628.86 1232.28  628.03  1344.3  635.49 1396.14   631.8
 1988.45  595.92 2135.61  572.26 2244.89  572.26 2361.48  586.96  2439.2  595.92
 2970.29  601.11 3182.73  603.34 3461.78  603.34 3465.98   603.4 3749.23  604.24
 3820.04  605.29 3887.85  605.65 4143.49  603.24  4174.1  600.69 4228.71  599.34
 4399.14  607.71 4569.57  622.36  4782.6  695.69 4953.03  704.06

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1988.45     .15  2439.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1988.45  2439.2            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.89    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                     Flow Area (sq ft)       221065.80   80485.35   365557.50
  E.G. Slope (ft/ft)      0.000030   Area (sq ft)            221065.80   80485.35   365557.50
  Q Total (cfs)           944490.80   Flow (cfs)             270098.80   137382.10   537009.90
  Top Width (ft)           4953.03   Top Width (ft)           1988.45     450.75    2513.83
  Vel Total (ft/s)            1.42   Avg. Vel. (ft/s)            1.22       1.71       1.47
  Max Chl Dpth (ft)         187.63   Hydr. Depth (ft)         111.18     178.56     145.42
  Conv. Total (cfs)       172960100.0    Conv. (cfs)          49461910.0   25158140.0   98340090.0
  Length Wtd. (ft)           14.97   Wetted Per. (ft)         2059.46     454.08    2583.15
  Min Ch El (ft)           572.26   Shear (lb/sq ft)            0.20       0.33       0.26
  Alpha                      1.04   Stream Power (lb/ft s)      0.24       0.56       0.39
  Frctn Loss (ft)            0.00   Cum Volume (acre-ft)     8146.69    2099.52    9166.32
  C & E Loss (ft)            0.00   Cum SA (acres)             61.88      11.06      61.17

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6330.75*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  702.36    84.8  699.08  224.54  690.55  392.95  685.54  421.01   678.7
     424  678.55   720.8  670.34     848  659.25     848  651.67   870.1  651.06
  898.16  638.64   996.4  638.64 1010.44  638.22    1060     634 1122.71  629.97
  1144.8  629.77  1187.2  628.64 1234.98  627.78 1347.25  635.09  1399.2  631.42
  1992.8  595.83 2139.39  572.24 2248.86  572.24 2364.77  586.89 2442.05  595.83
 2971.25  601.14 3182.94  603.41    3461  603.41 3465.18  603.47 3747.43  604.19
 3817.99  605.22 3885.56  605.56  4140.3   603.1  4170.8  600.57 4225.21  599.33
 4395.04  607.86 4564.86  622.61 4777.14   695.4 4946.97  703.94

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  1992.8     .15 2442.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        1992.8 2442.05            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.89    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                     Flow Area (sq ft)       222016.30   80245.53   364282.30
  E.G. Slope (ft/ft)      0.000030   Area (sq ft)            222016.30   80245.53   364282.30
  Q Total (cfs)           944490.80   Flow (cfs)             271839.40   137110.80   535540.70
  Top Width (ft)           4946.97   Top Width (ft)           1992.80     449.25    2504.92
  Vel Total (ft/s)            1.42   Avg. Vel. (ft/s)            1.22       1.71       1.47
  Max Chl Dpth (ft)         187.65   Hydr. Depth (ft)         111.41     178.62     145.43
  Conv. Total (cfs)       172824600.0    Conv. (cfs)          49741640.0   25088760.0   97994160.0
  Length Wtd. (ft)           14.97   Wetted Per. (ft)         2064.13     452.57    2574.25
  Min Ch El (ft)           572.24   Shear (lb/sq ft)            0.20       0.33       0.26
  Alpha                      1.04   Stream Power (lb/ft s)      0.25       0.56       0.39
  Frctn Loss (ft)            0.00   Cum Volume (acre-ft)     8070.55    2071.90    9040.91
  C & E Loss (ft)            0.00   Cum SA (acres)             61.19      10.91      60.31

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6315.77*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  702.09   84.99  698.85  225.03  690.32  393.81  685.25  421.93  678.48
  424.93  678.33  722.38  670.22  849.85  659.01  849.85  651.29     872  650.68
  900.13  638.41  998.58  638.41 1012.64  637.98 1062.32  633.77 1125.16  629.77
  1147.3  629.57  1189.8  628.41 1237.68  627.54 1350.19   634.7 1402.26  631.03
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 1997.16  595.75 2143.18  572.23 2252.84  572.23 2368.07  586.83 2444.89  595.75
 2972.22  601.16 3183.15  603.48 3460.22  603.48 3464.39  603.54 3745.63  604.14
 3815.94  605.16 3883.27  605.47 4137.11  602.96 4167.49  600.46 4221.72  599.31
 4390.94  608.02 4560.16  622.86 4771.69  695.11 4940.91  703.82

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1997.16     .15 2444.89     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1997.16 2444.89            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       222968.30   79997.64   363008.90
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            222968.30   79997.64   363008.90
  Q Total (cfs)           944490.80    Flow (cfs)             273591.40   136821.50   534078.00
  Top Width (ft)           4940.91    Top Width (ft)           1997.16     447.73    2496.02
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.23       1.71       1.47
  Max Chl Dpth (ft)         187.66    Hydr. Depth (ft)          111.64     178.67     145.44
  Conv. Total (cfs)       172687100.0    Conv. (cfs)            50022420.0   25015920.0   97648810.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2068.79     451.05    2565.36
  Min Ch El (ft)            572.23    Shear (lb/sq ft)            0.20       0.33       0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.25       0.57       0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7994.09    2044.36    8915.94
  C & E Loss (ft)             0.00    Cum SA (acres)             60.51      10.76      59.45


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6300.78*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  701.82   85.17  698.61  225.52  690.09  394.66  684.96  422.86  678.25
  425.85   678.1  723.95  670.09  851.71  658.78  851.71   650.9   873.9   650.3
  902.09  638.18 1000.76  638.18 1014.85  637.75 1064.64  633.54 1127.61  629.57
 1149.81  629.36 1192.39  628.18 1240.38  627.29 1353.14   634.3 1405.32  630.65
 2001.52  595.67 2146.97  572.21 2256.82  572.21 2371.36  586.77 2447.73  595.67
 2973.18  601.18 3183.35  603.55 3459.44  603.55 3463.59  603.61 3743.83  604.09
 3813.89   605.1 3880.98  605.38 4133.91  602.82 4164.19  600.34 4218.22   599.3
 4386.84  608.18 4555.46  623.12 4766.23  694.82 4934.85   703.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2001.52     .15 2447.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2001.52 2447.73            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       223925.30   79751.91   361732.20
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            223925.30   79751.91   361732.20
  Q Total (cfs)           944490.80    Flow (cfs)             275353.50   136536.20   532601.10
  Top Width (ft)           4934.85    Top Width (ft)           2001.52     446.21    2487.12
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.23       1.71       1.47
  Max Chl Dpth (ft)         187.68    Hydr. Depth (ft)          111.88     178.73     145.44
  Conv. Total (cfs)       172551000.0    Conv. (cfs)            50304920.0   24944090.0   97302000.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2073.47     449.53    2556.47
  Min Ch El (ft)            572.21    Shear (lb/sq ft)            0.20       0.33       0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.25       0.57       0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7917.30    2016.91    8791.41
  C & E Loss (ft)             0.00    Cum SA (acres)             59.82      10.60      58.59


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6285.80*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  701.55   85.36  698.38  226.01  689.86  395.52  684.67  423.78  678.03
  426.78  677.87  725.53  669.96  853.56  658.54  853.56  650.51   875.8  649.92
  904.05  637.95 1002.94  637.95 1017.06  637.51 1066.95   633.3 1130.07  629.37
 1152.31  629.16 1194.99  627.95 1243.08  627.05 1356.08   633.9 1408.38  630.27
 2005.87  595.58 2150.76   572.2  2260.8   572.2 2374.66  586.71 2450.57  595.58
 2974.14   601.2 3183.56  603.61 3458.66  603.61  3462.8  603.67 3742.03  604.04
 3811.84  605.03 3878.69  605.29 4130.72  602.68 4160.89  600.22 4214.72  599.29
 4382.74  608.33 4550.75  623.37 4760.77  694.53 4928.79  703.58

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2005.87     .15 2450.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2005.87 2450.57            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       224884.80   79506.59   360467.00
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            224884.80   79506.59   360467.00
  Q Total (cfs)           944490.80    Flow (cfs)             277116.10   136245.70   531129.10
```

```
  Top Width (ft)           4928.79    Top Width (ft)           2005.87     444.70    2478.22
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.23       1.71       1.47
  Max Chl Dpth (ft)         187.69    Hydr. Depth (ft)          112.11     178.79     145.45
  Conv. Total (cfs)       172421500.0    Conv. (cfs)            50588920.0   24872320.0   96960250.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2078.13     448.01    2547.59
  Min Ch El (ft)            572.20    Shear (lb/sq ft)            0.20       0.33       0.27
  Alpha                       1.04    Stream Power (lb/ft s)      0.25       0.57       0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7840.18    1989.55    8667.31
  C & E Loss (ft)             0.00    Cum SA (acres)             59.13      10.45      57.74


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6270.81*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  701.27   85.54  698.15   226.5  689.63  396.38  684.39   424.7   677.8
  427.71  677.65   727.1  669.84  855.42  658.31  855.42  650.13   877.7  649.55
  906.02  637.73 1005.11  637.73 1019.27  637.28 1069.27  633.07 1132.52  629.17
 1154.81  628.95 1197.58  627.73 1245.77  626.81 1359.03   633.5 1411.44  629.88
 2010.23   595.5 2154.55  572.18 2264.77  572.18 2377.95  586.65 2453.41   595.5
  2975.1  601.23 3183.77  603.68 3457.88  603.68    3462  603.74 3740.24  603.99
  3809.8  604.97 3876.41   605.2 4127.52  602.55 4157.59   600.1 4211.23  599.27
 4378.64  608.49 4546.05  623.62 4755.32  694.24 4922.73  703.45

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2010.23     .15 2453.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2010.23 2453.41            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       225840.80   79260.44   359189.30
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            225840.80   79260.44   359189.30
  Q Total (cfs)           944490.80    Flow (cfs)             278885.60   135959.20   529646.00
  Top Width (ft)           4922.73    Top Width (ft)           2010.23     443.18    2469.32
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.23       1.72       1.47
  Max Chl Dpth (ft)         187.71    Hydr. Depth (ft)          112.35     178.84     145.46
  Conv. Total (cfs)       172284300.0    Conv. (cfs)            50871440.0   24800280.0   96612590.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2082.82     446.49    2538.71
  Min Ch El (ft)            572.18    Shear (lb/sq ft)            0.20       0.33       0.27
  Alpha                       1.04    Stream Power (lb/ft s)      0.25       0.57       0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7762.73    1962.27    8543.65
  C & E Loss (ft)             0.00    Cum SA (acres)             58.44      10.30      56.89


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6255.83*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     701   85.73  697.92     227   689.4  397.24   684.1  425.62  677.57
  428.63  677.42  728.68  669.71  857.27  658.07  857.27  649.74  879.61  649.17
  907.98   637.5 1007.29   637.5 1021.48  637.04 1071.59  632.84 1134.98  628.97
 1157.31  628.75 1200.18   627.5 1248.47  626.56 1361.97   633.1 1414.49   629.5
 2014.58  595.42 2158.33  572.17 2268.75  572.17 2381.25  586.58 2456.25  595.42
 2976.06  601.25 3183.98  603.75  3457.1  603.75 3461.21  603.81 3738.44  603.94
 3807.75   604.9 3874.12  605.12 4124.33  602.41 4154.28  599.99 4207.73  599.26
 4374.54  608.65 4541.35  623.87 4749.86  693.94 4916.67  703.33

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2014.58     .15 2456.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2014.58 2456.25            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       226801.90   79014.76   357914.70
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            226801.90   79014.76   357914.70
  Q Total (cfs)           944490.80    Flow (cfs)             280664.50   135669.00   528157.30
  Top Width (ft)           4916.67    Top Width (ft)           2014.58     441.67    2460.42
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.24       1.72       1.48
  Max Chl Dpth (ft)         187.72    Hydr. Depth (ft)          112.58     178.90     145.47
  Conv. Total (cfs)       172151200.0    Conv. (cfs)            51156390.0   24728220.0   96266600.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2087.48     444.98    2529.83
  Min Ch El (ft)            572.17    Shear (lb/sq ft)            0.20       0.33       0.27
  Alpha                       1.04    Stream Power (lb/ft s)      0.25       0.57       0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7684.95    1935.07    8420.43
  C & E Loss (ft)             0.00    Cum SA (acres)             57.75      10.14      56.04


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6240.84*

INPUT
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Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  700.73   85.91  697.68  227.49  689.17   398.1  683.81  426.54  677.35
  429.56   677.2  730.25  669.59  859.12  657.84  859.12  649.35  881.51  648.79
  909.94  637.27 1009.47  637.27 1023.69   636.8  1073.9  632.61 1137.43  628.77
 1159.82  628.55 1202.77  627.27 1251.17  626.32 1364.92  632.71 1417.55  629.12
 2018.94  595.33 2162.12  572.15 2272.73  572.15 2384.55  586.52 2459.09  595.33
 2977.02  601.27 3184.19  603.82 3456.32  603.82 3460.41  603.87 3736.64  603.88
  3805.7  604.84 3871.83  605.03 4121.14  602.27 4150.98  599.87 4204.24  599.25
 4370.44  608.81 4536.65  624.12  4744.4  693.65 4910.61  703.21

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2018.94     .15 2459.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2018.94 2459.09            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       227764.70   78769.55   356645.00
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            227764.70   78769.55   356645.00
  Q Total (cfs)           944490.80    Flow (cfs)              282443.80   135379.10   526668.00
  Top Width (ft)           4910.61    Top Width (ft)           2018.94     440.15    2451.52
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.24       1.72       1.48
  Max Chl Dpth (ft)         187.74    Hydr. Depth (ft)          112.81     178.96     145.48
  Conv. Total (cfs)       172021400.0    Conv. (cfs)            51441860.0   24656780.0   95922750.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2092.17     443.45    2520.95
  Min Ch El (ft)            572.15    Shear (lb/sq ft)            0.20       0.33       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.25       0.57       0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7606.84    1907.96    8297.65
  C & E Loss (ft)             0.00    Cum SA (acres)             57.05       9.99      55.20


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6225.86*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  700.45    86.1  697.45  227.98  688.94  398.96  683.52  427.46  677.12
  430.49  676.97  731.83  669.46  860.98   657.6  860.98  648.97  883.41  648.41
  911.91  637.05 1011.65  637.05  1025.9  636.57 1076.22  632.38 1139.88  628.57
 1162.32  628.34 1205.37  627.05 1253.87  626.07 1367.86  632.31 1420.61  628.73
  2023.3  595.25 2165.91  572.14  2276.7  572.14 2387.84  586.46 2461.93  595.25
 2977.98   601.3  3184.4  603.89 3455.54  603.89 3459.62  603.94 3734.84  603.83
 3803.65  604.78 3869.54  604.94 4117.94  602.13 4147.68  599.75 4200.74  599.23
 4366.34  608.96 4531.94  624.38 4738.94  693.36 4904.55  703.09

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  2023.3     .15 2461.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2023.3 2461.93            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       228733.00   78520.49   355366.40
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            228733.00   78520.49   355366.40
  Q Total (cfs)           944490.80    Flow (cfs)              284245.30   135080.50   525165.00
  Top Width (ft)           4904.55    Top Width (ft)           2023.30     438.63    2442.62
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.24       1.72       1.48
  Max Chl Dpth (ft)         187.75    Hydr. Depth (ft)          113.05     179.01     145.49
  Conv. Total (cfs)       171888100.0    Conv. (cfs)            51729860.0   24583340.0   95574900.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2096.84     441.93    2512.07
  Min Ch El (ft)            572.14    Shear (lb/sq ft)            0.21       0.33       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.26       0.58       0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7528.40    1880.93    8175.30
  C & E Loss (ft)             0.00    Cum SA (acres)             56.36       9.84      54.35


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6210.87*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  700.18   86.28  697.22  228.47  688.71  399.82  683.23  428.38   676.9
  431.42  676.74  733.41  669.33  862.83  657.37  862.83  648.58  885.31  648.03
  913.87  636.82 1013.83  636.82  1028.1  636.33 1078.54  632.15 1142.34  628.37
 1164.82  628.14 1207.96  626.82 1256.57  625.83 1370.81  631.91 1423.67  628.35
 2027.65  595.17  2169.7  572.12 2280.68  572.12 2391.14   586.4 2464.77  595.17
 2978.94  601.32  3184.6  603.95 3454.76  603.95 3458.82  604.01 3733.05  603.78
  3801.6  604.71 3867.25  604.85 4114.75  601.99 4144.38  599.64 4197.25  599.22
 4362.24  609.12 4527.24  624.63 4733.49  693.07 4898.49  702.97

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2027.65     .15 2464.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2027.65 2464.77            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
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  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       229698.70   78275.65   354095.20
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            229698.70   78275.65   354095.20
  Q Total (cfs)           944490.80    Flow (cfs)              286038.00   134787.70   523665.10
  Top Width (ft)           4898.49    Top Width (ft)           2027.65     437.12    2433.72
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.25       1.72       1.48
  Max Chl Dpth (ft)         187.76    Hydr. Depth (ft)          113.28     179.07     145.50
  Conv. Total (cfs)       171758900.0    Conv. (cfs)             52017010.0   24511610.0   95230310.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2101.52     440.42    2503.19
  Min Ch El (ft)            572.12    Shear (lb/sq ft)            0.21       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.26       0.58       0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7449.63    1853.99    8053.39
  C & E Loss (ft)             0.00    Cum SA (acres)             55.66       9.69      53.52


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6195.89*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  699.91   86.47  696.99  228.96  688.48  400.68  682.94   429.3  676.67
  432.34  676.52  734.98  669.21  864.68  657.14  864.68   648.2  887.21  647.65
  915.83  636.59    1016  636.59 1030.31   636.1 1080.85  631.91 1144.79  628.16
 1167.32  627.93 1210.56  626.59 1259.27  625.58 1373.75  631.51 1426.73  627.97
 2032.01  595.08 2173.48  572.11 2284.66  572.11 2394.43  586.33 2467.61  595.08
  2979.9  601.34 3184.81  604.02 3453.98  604.02 3458.03  604.08 3731.25  603.73
 3799.55  604.65 3864.96  604.76 4111.55  601.86 4141.07  599.52 4193.75   599.2
 4358.14  609.28 4522.54  624.88 4728.03  692.78 4892.42  702.85

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2032.01     .15 2467.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2032.01 2467.61            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       230669.10   78028.48   352821.00
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            230669.10   78028.48   352821.00
  Q Total (cfs)           944490.80    Flow (cfs)              287843.90   134490.90   522156.00
  Top Width (ft)           4892.42    Top Width (ft)           2032.01     435.60    2424.81
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.25       1.72       1.48
  Max Chl Dpth (ft)         187.77    Hydr. Depth (ft)          113.52     179.13     145.50
  Conv. Total (cfs)       171629900.0    Conv. (cfs)             52306090.0   24439250.0   94884540.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2106.21     438.89    2494.30
  Min Ch El (ft)            572.11    Shear (lb/sq ft)            0.21       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.26       0.58       0.40
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7370.52    1827.13    7931.92
  C & E Loss (ft)             0.00    Cum SA (acres)             54.97       9.54      52.68


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6180.91*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  699.64   86.65  696.75  229.45  688.25  401.54  682.65  430.22  676.44
  433.27  676.29  736.56  669.08  866.54   656.9  866.54  647.81  889.12  647.27
   917.8  636.36 1018.18  636.36 1032.52  635.86 1083.17  631.68 1147.25  627.96
 1169.83  627.73 1213.15  626.36 1261.97  625.34  1376.7  631.11 1429.79  627.59
 2036.36     595 2177.27  572.09 2288.64  572.09 2397.73  586.27 2470.45     595
 2980.86  601.36 3185.02  604.09  3453.2  604.09 3457.23  604.14 3729.45  603.68
  3797.5  604.59 3862.67  604.67 4108.36  601.72 4137.77   599.4 4190.25  599.19
 4354.04  609.44 4517.84  625.13 4722.57  692.48 4886.36  702.73

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2036.36     .15 2470.45     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2036.36 2470.45            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       231640.40   77783.26   351548.30
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            231640.40   77783.26   351548.30
  Q Total (cfs)           944490.80    Flow (cfs)              289653.80   134194.70   520642.30
  Top Width (ft)           4886.36    Top Width (ft)           2036.36     434.09    2415.91
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.25       1.73       1.48
  Max Chl Dpth (ft)         187.79    Hydr. Depth (ft)          113.75     179.19     145.51
  Conv. Total (cfs)       171502500.0    Conv. (cfs)             52595920.0   24367340.0   94539250.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2110.88     437.38    2485.42
  Min Ch El (ft)            572.09    Shear (lb/sq ft)            0.21       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.26       0.58       0.40
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7291.08    1800.36    7810.89
  C & E Loss (ft)             0.00    Cum SA (acres)             54.27       9.39      51.85


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6165.92*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  699.36   86.84  696.52  229.94  688.03   402.4  682.36  431.14  676.22
   434.2  676.06  738.13  668.96  868.39  656.67  868.39  647.42  891.02  646.89
  919.76  636.14 1020.36  636.14 1034.73  635.63 1085.49  631.45  1149.7  627.76
 1172.33  627.52 1215.75  626.14 1264.67  625.09 1379.64  630.72 1432.85   627.2
 2040.72  594.92 2181.06  572.08 2292.61  572.08 2401.02  586.21  2473.3  594.92
 2981.82  601.39 3185.23  604.16 3452.42  604.16 3456.44  604.21 3727.65  603.63
 3795.45  604.52 3860.38  604.58 4105.17  601.58 4134.47  599.29 4186.76  599.18
 4349.95  609.59 4513.13  625.39 4717.12  692.19  4880.3  702.61

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2040.72     .15  2473.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2040.72  2473.3            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       232611.90   77535.30   350267.20
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            232611.90   77535.30   350267.20
  Q Total (cfs)           944490.80    Flow (cfs)              291474.10   133894.70   519122.00
  Top Width (ft)           4880.30    Top Width (ft)           2040.72     432.58    2407.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.25       1.73       1.48
  Max Chl Dpth (ft)         187.80    Hydr. Depth (ft)          113.99     179.24     145.52
  Conv. Total (cfs)       171370100.0    Conv. (cfs)            52885580.0   24294100.0   94190420.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2115.58     435.87    2476.53
  Min Ch El (ft)            572.08    Shear (lb/sq ft)            0.21       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.26       0.58       0.40
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7211.31    1773.67    7690.29
  C & E Loss (ft)             0.00    Cum SA (acres)             53.57       9.24      51.02


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6150.94*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  699.09   87.02  696.29  230.43   687.8  403.25  682.07  432.06  675.99
  435.12  675.84  739.71  668.83  870.24  656.43  870.24  647.04  892.92  646.52
  921.72  635.91 1022.54  635.91 1036.94  635.39 1087.81  631.22 1152.16  627.56
 1174.83  627.32 1218.34  625.91 1267.37  624.85 1382.59  630.32  1435.9  626.82
 2045.08  594.83 2184.85  572.06 2296.59  572.06 2404.32  586.15 2476.14  594.83
 2982.78  601.41 3185.44  604.23 3451.64  604.23 3455.64  604.28 3725.85  603.58
 3793.41  604.46  3858.1  604.49 4101.97  601.44 4131.17  599.17 4183.26  599.16
 4345.85  609.75 4508.43  625.64 4711.66   691.9 4874.24  702.48

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2045.08     .15 2476.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2045.08 2476.14            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       233589.40   77289.03   348995.40
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            233589.40   77289.03   348995.40
  Q Total (cfs)           944490.80    Flow (cfs)              293299.70   133595.20   517595.90
  Top Width (ft)           4874.24    Top Width (ft)           2045.08     431.06    2398.10
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.26       1.73       1.48
  Max Chl Dpth (ft)         187.82    Hydr. Depth (ft)          114.22     179.30     145.53
  Conv. Total (cfs)       171245400.0    Conv. (cfs)            53178080.0   24222110.0   93845170.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2120.26     434.34    2467.67
  Min Ch El (ft)            572.06    Shear (lb/sq ft)            0.21       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.26       0.58       0.40
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7131.20    1747.06    7570.14
  C & E Loss (ft)             0.00    Cum SA (acres)             52.86       9.09      50.20


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6135.95*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  698.82   87.21  696.05  230.92  687.57  404.11  681.78  432.98  675.77
  436.05  675.61  741.28   668.7   872.1   656.2   872.1  646.65  894.82  646.14
  923.69  635.68 1024.72  635.68 1039.15  635.16 1090.12  630.99 1154.61  627.36
 1177.33  627.11 1220.94  625.68 1270.07  624.61 1385.53  629.92 1438.96  626.44
 2049.43  594.75 2188.64  572.05 2300.57  572.05 2407.61  586.09 2478.98  594.75
 2983.74  601.43 3185.64   604.3 3450.86   604.3 3454.85  604.35 3724.06  603.53
 3791.36   604.4 3855.81   604.4 4098.78   601.3 4127.87  599.05 4179.77  599.15
 4341.75  609.91 4503.73  625.89  4706.2  691.61 4868.18  702.36

Manning's n Values        num=       3
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     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2049.43     .15 2478.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2049.43 2478.98            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       234566.20   77040.89   347719.00
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            234566.20   77040.89   347719.00
  Q Total (cfs)           944490.80    Flow (cfs)             295133.10   133290.40   516067.30
  Top Width (ft)           4868.18    Top Width (ft)           2049.43     429.55    2389.20
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.26       1.73       1.48
  Max Chl Dpth (ft)         187.83    Hydr. Depth (ft)          114.45     179.35     145.54
  Conv. Total (cfs)       171117300.0    Conv. (cfs)            53470480.0   24148780.0   93498050.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2124.95     432.83    2458.80
  Min Ch El (ft)            572.05    Shear (lb/sq ft)            0.21       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.26       0.59       0.40
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7050.76    1720.55    7450.42
  C & E Loss (ft)             0.00    Cum SA (acres)             52.16       8.95      49.37


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6120.97*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  698.55    87.4  695.82  231.41  687.34  404.97  681.49   433.9  675.54
  436.98  675.39  742.86  668.58  873.95  655.96  873.95  646.26  896.72  645.76
  925.65  635.45 1026.89  635.45 1041.36  634.92 1092.44  630.76 1157.06  627.16
 1179.84  626.91 1223.53  625.45 1272.77  624.36 1388.48  629.52 1442.02  626.05
 2053.79  594.67 2192.42  572.03 2304.55  572.03 2410.91  586.02 2481.82  594.67
  2984.7  601.45 3185.85  604.36 3450.08  604.36 3454.05  604.41 3722.26  603.48
 3789.31  604.33 3853.52  604.32 4095.58  601.17 4124.56  598.94 4176.27  599.14
 4337.65  610.06 4499.02  626.14 4700.75  691.32 4862.12  702.24

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2053.79     .15 2481.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2053.79 2481.82            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       235546.70   76794.25   346446.50
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            235546.70   76794.25   346446.50
  Q Total (cfs)           944490.80    Flow (cfs)             296970.20   132987.60   514533.10
  Top Width (ft)           4862.12    Top Width (ft)           2053.79     428.03    2380.30
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.26       1.73       1.49
  Max Chl Dpth (ft)         187.85    Hydr. Depth (ft)          114.69     179.41     145.55
  Conv. Total (cfs)       170993600.0    Conv. (cfs)            53764400.0   24076490.0   93152660.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2129.64     431.31    2449.93
  Min Ch El (ft)            572.03    Shear (lb/sq ft)            0.21       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.27       0.59       0.40
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6969.98    1694.11    7331.14
  C & E Loss (ft)             0.00    Cum SA (acres)             51.46       8.80      48.55


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6105.98*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  698.27   87.58  695.59   231.9  687.11  405.83   681.2  434.82  675.31
   437.9  675.16  744.43  668.45  875.81  655.73  875.81  645.88  898.63  645.38
  927.61  635.23 1029.07  635.23 1043.57  634.68 1094.76  630.52 1159.52  626.96
 1182.34   626.7 1226.13  625.23 1275.47  624.12 1391.42  629.12 1445.08  625.67
 2058.14  594.58 2196.21  572.02 2308.52  572.02  2414.2  585.96 2484.66  594.58
 2985.66  601.48 3186.06  604.43  3449.3  604.43 3453.26  604.48 3720.46  603.42
 3787.26  604.27 3851.23  604.23 4092.39  601.03 4121.26  598.82 4172.78  599.12
 4333.55  610.22 4494.32  626.39 4695.29  691.02 4856.06  702.12

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2058.14     .15 2484.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2058.14 2484.66            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       236529.20   76546.73   345173.40
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            236529.20   76546.73   345173.40
  Q Total (cfs)           944490.80    Flow (cfs)             298815.40   132680.90   512994.50
  Top Width (ft)           4856.06    Top Width (ft)           2058.14     426.52    2371.40
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.26       1.73       1.49
  Max Chl Dpth (ft)         187.86    Hydr. Depth (ft)          114.92     179.47     145.56
  Conv. Total (cfs)       170869900.0    Conv. (cfs)            54059360.0   24003590.0   92806980.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2134.33     429.79    2441.06
  Min Ch El (ft)            572.02    Shear (lb/sq ft)            0.21       0.34       0.27
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  Alpha                        1.03    Stream Power (lb/ft s)      0.27       0.59       0.40
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)     6888.86    1667.76    7212.30
  C & E Loss (ft)              0.00    Cum SA (acres)             50.75       8.65      47.74


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6091.00*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     698   87.77  695.36  232.39  686.88  406.69  680.92  435.74  675.09
  438.83  674.93  746.01  668.32  877.66  655.49  877.66  645.49  900.53     645
  929.58     635 1031.25     635 1045.77  634.45 1097.07  630.29 1161.97  626.76
 1184.84   626.5 1228.72     625 1278.17  623.87 1394.37  628.73 1448.14  625.29
  2062.5   594.5    2200     572  2312.5     572  2417.5   585.9  2487.5   594.5
 2986.62   601.5 3186.27   604.5 3448.52   604.5 3452.46  604.55 3718.66  603.37
 3785.21   604.2 3848.94  604.14  4089.2  600.89 4117.96   598.7 4169.28  599.11
 4329.45  610.38 4489.62  626.65 4689.83  690.73    4850     702

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  2062.5     .15  2487.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2062.5  2487.5            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       237511.90   76298.77   343895.40
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            237511.90   76298.77   343895.40
  Q Total (cfs)           944490.80    Flow (cfs)              300668.00   132374.90   511447.90
  Top Width (ft)           4850.00    Top Width (ft)           2062.50     425.00    2362.50
  Vel Total (ft/s)            1.44    Avg. Vel. (ft/s)            1.27       1.73       1.49
  Max Chl Dpth (ft)         187.88    Hydr. Depth (ft)          115.16     179.53     145.56
  Conv. Total (cfs)       170744300.0    Conv. (cfs)            54354510.0   23930620.0   92459120.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2139.03     428.27    2432.19
  Min Ch El (ft)            572.00    Shear (lb/sq ft)            0.21       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.27       0.59       0.40
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6807.40    1641.50    7093.90
  C & E Loss (ft)             0.00    Cum SA (acres)             50.04       8.51      46.92


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6076.01*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  697.73   87.95  695.12  232.89  686.65  407.55  680.63  436.66  674.86
  439.76  674.71  747.59   668.2  879.51  655.26  879.51  645.11  902.43  644.62
  931.54  634.77 1033.43  634.77 1047.98  634.21 1099.39  630.06 1164.43  626.56
 1187.34   626.3 1231.32  624.77 1280.87  623.63 1397.31  628.33  1451.2   624.9
 2066.86  594.42 2203.79  571.98 2316.48  571.98  2420.8  585.84 2490.34  594.42
 2987.58  601.52 3186.48  604.57 3447.74  604.57 3451.67  604.62 3716.86  603.32
 3783.16  604.14 3846.65  604.05    4086  600.75 4114.66  598.59 4165.78   599.1
 4325.35  610.54 4484.92   626.9 4684.37  690.44 4843.94  701.88

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2066.86     .15 2490.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2066.86 2490.34            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       238498.00   76050.63   342618.00
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            238498.00   76050.63   342618.00
  Q Total (cfs)           944490.80    Flow (cfs)              302529.10   132066.70   509895.00
  Top Width (ft)           4843.94    Top Width (ft)           2066.86     423.48    2353.60
  Vel Total (ft/s)            1.44    Avg. Vel. (ft/s)            1.27       1.74       1.49
  Max Chl Dpth (ft)         187.90    Hydr. Depth (ft)          115.39     179.59     145.57
  Conv. Total (cfs)       170620200.0    Conv. (cfs)            54651210.0   23857550.0   92111400.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2143.72     426.75    2423.32
  Min Ch El (ft)            571.98    Shear (lb/sq ft)            0.21       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.27       0.59       0.40
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6725.61    1615.32    6975.93
  C & E Loss (ft)             0.00    Cum SA (acres)             49.33       8.36      46.11


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6061.03*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  697.45   88.14  694.89  233.38  686.42  408.41  680.34  437.58  674.64
  440.68  674.48  749.16  668.07  881.37  655.02  881.37  644.72  904.33  644.24
   933.5  634.55 1035.61  634.55 1050.19  633.98 1101.71  629.83 1166.88  626.36
```

```
 1189.85  626.09 1233.91  624.55 1283.57  623.38 1400.26  627.93 1454.26  624.52
 2071.21  594.33 2207.58  571.97 2320.45  571.97 2424.09  585.78 2493.18  594.33
 2988.54  601.55 3186.68  604.64 3446.96  604.64 3450.88  604.68 3715.07  603.27
 3781.11  604.08 3844.36  603.96 4082.81  600.61 4111.35  598.47 4162.29  599.08
 4321.25  610.69 4480.21  627.15 4678.92  690.15 4837.88  701.76

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2071.21     .15 2493.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2071.21 2493.18            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       239487.20   75802.62   341343.90
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            239487.20   75802.62   341343.90
  Q Total (cfs)           944490.80    Flow (cfs)             304395.80   131755.40   508339.60
  Top Width (ft)           4837.88    Top Width (ft)          2071.21     421.97     2344.70
  Vel Total (ft/s)            1.44    Avg. Vel. (ft/s)           1.27       1.74       1.49
  Max Chl Dpth (ft)         187.91    Hydr. Depth (ft)         115.63     179.64     145.58
  Conv. Total (cfs)       170498900.0    Conv. (cfs)           54949340.0   23784400.0   91765150.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2148.41     425.23     2414.46
  Min Ch El (ft)            571.97    Shear (lb/sq ft)           0.21       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)     0.27       0.59       0.40
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    6643.48    1589.23    6858.40
  C & E Loss (ft)             0.00    Cum SA (acres)            48.62       8.21      45.31


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6046.04*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  697.18   88.32  694.66  233.87  686.19  409.27  680.05   438.5  674.41
  441.61  674.25  750.74  667.95  883.22  654.79  883.22  644.33  906.23  643.86
  935.47  634.32 1037.78  634.32  1052.4  633.74 1104.03   629.6 1169.33  626.16
 1192.35  625.89 1236.51  624.32 1286.27  623.14  1403.2  627.53 1457.31  624.14
 2075.57  594.25 2211.36  571.95 2324.43  571.95 2427.39  585.71 2496.02  594.25
  2989.5  601.57 3186.89   604.7 3446.18   604.7 3450.08  604.75 3713.27  603.22
 3779.07  604.01 3842.07  603.87 4079.61  600.47 4108.05  598.35 4158.79  599.07
 4317.15  610.85 4475.51   627.4 4673.46  689.86 4831.82  701.64

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2075.57     .15 2496.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2075.57 2496.02            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       240474.80   75555.10   340070.80
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            240474.80   75555.10   340070.80
  Q Total (cfs)           944490.80    Flow (cfs)             306261.30   131445.80   506783.80
  Top Width (ft)           4831.82    Top Width (ft)          2075.57     420.45     2335.80
  Vel Total (ft/s)            1.44    Avg. Vel. (ft/s)           1.27       1.74       1.49
  Max Chl Dpth (ft)         187.93    Hydr. Depth (ft)         115.86     179.70     145.59
  Conv. Total (cfs)       170377800.0    Conv. (cfs)           55246840.0   23711660.0   91419330.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2153.12     423.71     2405.59
  Min Ch El (ft)            571.95    Shear (lb/sq ft)           0.21       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)     0.27       0.60       0.40
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    6561.00    1563.22    6741.31
  C & E Loss (ft)             0.00    Cum SA (acres)            47.91       8.07      44.50


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6031.06*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  696.91   88.51  694.43  234.36  685.96  410.13  679.76  439.42  674.18
  442.54  674.03  752.31  667.82  885.07  654.55  885.07  643.95  908.14  643.48
  937.43  634.09 1039.96  634.09 1054.61  633.51 1106.34  629.37 1171.79  625.96
 1194.85  625.68  1239.1  624.09 1288.97   622.9 1406.15  627.13 1460.37  623.75
 2079.92  594.17 2215.15  571.94 2328.41  571.94 2430.68  585.65 2498.86  594.17
 2990.46  601.59  3187.1  604.77  3445.4  604.77 3449.29  604.82 3711.47  603.17
 3777.02  603.95 3839.79  603.78 4076.42  600.34 4104.75  598.24  4155.3  599.06
 4313.05  611.01 4470.81  627.66    4668  689.56 4825.76  701.52

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2079.92     .15 2498.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2079.92 2498.86            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       241467.40   75305.84   338791.70
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            241467.40   75305.84   338791.70
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```
  Q Total (cfs)           944490.80    Flow (cfs)              308146.10   131130.20   505214.60
  Top Width (ft)           4825.76    Top Width (ft)           2079.92     418.94    2326.90
  Vel Total (ft/s)            1.44    Avg. Vel. (ft/s)            1.28       1.74       1.49
  Max Chl Dpth (ft)         187.94    Hydr. Depth (ft)          116.09     179.75     145.60
  Conv. Total (cfs)       170255500.0    Conv. (cfs)             55546940.0   23637740.0   91070840.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2157.80     422.20    2396.73
  Min Ch El (ft)            571.94    Shear (lb/sq ft)            0.21       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.27       0.60       0.40
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6478.19    1537.30    6624.66
  C & E Loss (ft)             0.00    Cum SA (acres)             47.19       7.93      43.70


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6016.07*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  696.64   88.69  694.19  234.85  685.73  410.98  679.47  440.34  673.96
  443.46   673.8  753.89  667.69  886.93  654.32  886.93  643.56  910.04  643.11
  939.39  633.86 1042.14  633.86 1056.82  633.27 1108.66  629.13 1174.24  625.76
 1197.35  625.48  1241.7  623.86 1291.67  622.65 1409.09  626.73 1463.43  623.37
 2084.28  594.08 2218.94  571.92 2332.39  571.92 2433.98  585.59  2501.7  594.08
 2991.42  601.61 3187.31  604.84 3444.62  604.84 3448.49  604.89 3709.67  603.12
 3774.97  603.89  3837.5  603.69 4073.23   600.2 4101.45  598.12  4151.8  599.04
 4308.95  611.16 4466.11  627.91 4662.55  689.27  4819.7  701.39

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2084.28     .15  2501.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2084.28  2501.7            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       242466.40   75058.02   337520.40
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            242466.40   75058.02   337520.40
  Q Total (cfs)           944490.80    Flow (cfs)              310033.80   130815.50   503641.50
  Top Width (ft)           4819.70    Top Width (ft)           2084.28     417.42    2318.00
  Vel Total (ft/s)            1.44    Avg. Vel. (ft/s)            1.28       1.74       1.49
  Max Chl Dpth (ft)         187.96    Hydr. Depth (ft)          116.33     179.81     145.61
  Conv. Total (cfs)       170139600.0    Conv. (cfs)             55849170.0   23564960.0   90725440.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2162.52     420.68    2387.88
  Min Ch El (ft)            571.92    Shear (lb/sq ft)            0.22       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.28       0.60       0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6395.04    1511.46    6508.45
  C & E Loss (ft)             0.00    Cum SA (acres)             46.48       7.78      42.90


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6001.09*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  696.36   88.88  693.96  235.34  685.51  411.84  679.18  441.26  673.73
  444.39  673.58  755.46  667.57  888.78  654.08  888.78  643.17  911.94  642.73
  941.36  633.64 1044.32  633.64 1059.03  633.03 1110.98   628.9  1176.7  625.56
 1199.85  625.27 1244.29  623.64 1294.37  622.41 1412.04  626.34 1466.49  622.99
 2088.64     594 2222.73  571.91 2336.36  571.91 2437.27  585.53 2504.55     594
 2992.38  601.64 3187.52  604.91 3443.84  604.91  3447.7  604.95 3707.87  603.07
 3772.92  603.82 3835.21  603.61 4070.03  600.06 4098.14     598 4148.31  599.03
 4304.85  611.32  4461.4  628.16 4657.09  688.98 4813.64  701.27

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2088.64     .15 2504.55     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2088.64 2504.55            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       243455.60   74808.29   336237.80
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            243455.60   74808.29   336237.80
  Q Total (cfs)           944490.80    Flow (cfs)              311922.20   130499.90   502068.70
  Top Width (ft)           4813.64    Top Width (ft)           2088.64     415.91    2309.09
  Vel Total (ft/s)            1.44    Avg. Vel. (ft/s)            1.28       1.74       1.49
  Max Chl Dpth (ft)         187.97    Hydr. Depth (ft)          116.56     179.87     145.61
  Conv. Total (cfs)       170014200.0    Conv. (cfs)             56147920.0   23490800.0   90375490.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2167.23     419.16    2379.01
  Min Ch El (ft)            571.91    Shear (lb/sq ft)            0.22       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.28       0.60       0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6311.54    1485.71    6392.68
  C & E Loss (ft)             0.00    Cum SA (acres)             45.76       7.64      42.11


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5986.10*
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INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  696.09   89.06  693.73  235.83  685.28   412.7  678.89  442.18  673.51
  445.32  673.35  757.04  667.44  890.63  653.85  890.63  642.79  913.84  642.35
  943.32  633.41  1046.5  633.41 1061.24   632.8 1113.29  628.67 1179.15  625.36
 1202.36  625.07 1246.89  623.41 1297.07  622.16 1414.98  625.94 1469.55   622.6
 2092.99  593.92 2226.51  571.89 2340.34  571.89 2440.57  585.47 2507.39  593.92
 2993.34  601.66 3187.72  604.98 3443.06  604.98  3446.9  605.02 3706.08  603.02
 3770.87  603.76 3832.92  603.52 4066.84  599.92 4094.84  597.89 4144.81  599.02
 4300.75  611.48  4456.7  628.41 4651.63  688.69 4807.58  701.15

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2092.99     .15 2507.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2092.99 2507.39            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       244455.60   74560.99   334959.60
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            244455.60   74560.99   334959.60
  Q Total (cfs)           944490.80    Flow (cfs)             313825.30   130184.70   500480.80
  Top Width (ft)           4807.58    Top Width (ft)           2092.99     414.40    2300.19
  Vel Total (ft/s)            1.44    Avg. Vel. (ft/s)            1.28       1.75       1.49
  Max Chl Dpth (ft)         187.99    Hydr. Depth (ft)          116.80     179.93     145.62
  Conv. Total (cfs)       169896300.0    Conv. (cfs)            56451340.0   23417810.0   90027190.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2171.92     417.65    2370.15
  Min Ch El (ft)            571.89    Shear (lb/sq ft)            0.22       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.28       0.60       0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6227.70    1460.04    6277.35
  C & E Loss (ft)             0.00    Cum SA (acres)             45.04       7.50      41.31


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5971.12*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  695.82   89.25  693.49  236.32  685.05  413.56   678.6   443.1  673.28
  446.24  673.12  758.62  667.32  892.49  653.61  892.49   642.4  915.74  641.97
  945.28  633.18 1048.67  633.18 1063.44  632.56 1115.61  628.44  1181.6  625.16
 1204.86  624.86 1249.48  623.18 1299.77  621.92 1417.93  625.54 1472.61  622.22
 2097.35  593.83  2230.3  571.88 2344.32  571.88 2443.86   585.4 2510.23  593.83
  2994.3  601.68 3187.93  605.05 3442.28  605.05 3446.11  605.09 3704.28  602.96
 3768.82  603.69 3830.63  603.43 4063.64  599.78 4091.54  597.77 4141.31     599
 4296.66  611.64    4452  628.66 4646.17   688.4 4801.52  701.03

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2097.35     .15 2510.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2097.35 2510.23            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       245458.40   74311.09   333687.40
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            245458.40   74311.09   333687.40
  Q Total (cfs)           944490.80    Flow (cfs)             315731.60   129862.50   498896.70
  Top Width (ft)           4801.52    Top Width (ft)           2097.35     412.88    2291.29
  Vel Total (ft/s)            1.45    Avg. Vel. (ft/s)            1.29       1.75       1.50
  Max Chl Dpth (ft)         188.00    Hydr. Depth (ft)          117.03     179.98     145.63
  Conv. Total (cfs)       169781400.0    Conv. (cfs)            56755830.0   23344050.0   89681540.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2176.63     416.13    2361.30
  Min Ch El (ft)            571.88    Shear (lb/sq ft)            0.22       0.35       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.28       0.60       0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6143.52    1434.46    6162.45
  C & E Loss (ft)             0.00    Cum SA (acres)             44.32       7.35      40.53


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5956.13*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  695.55   89.43  693.26  236.81  684.82  414.42  678.31  444.02  673.05
  447.17   672.9  760.19  667.19  894.34  653.38  894.34  642.02  917.65  641.59
  947.25  632.95 1050.85  632.95 1065.65  632.33 1117.93  628.21 1184.06  624.96
 1207.36  624.66 1252.08  622.95 1302.46  621.67 1420.87  625.14 1475.66  621.84
  2101.7  593.75 2234.09  571.86  2348.3  571.86 2447.16  585.34 2513.07  593.75
 2995.26   601.7 3188.14  605.11  3441.5  605.11 3445.31  605.16 3702.48  602.91
 3766.77  603.63 3828.34  603.34 4060.45  599.65 4088.24  597.65 4137.82  598.99
 4292.56  611.79 4447.29  628.92 4640.72   688.1 4795.46  700.91

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  2101.7     .15 2513.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2101.7 2513.07            14.97   14.97   14.97             .1       .3
```

```
CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)           14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       246457.70   74063.44   332413.00
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            246457.70   74063.44   332413.00
  Q Total (cfs)           944490.80    Flow (cfs)             317637.70   129544.00   497309.20
  Top Width (ft)           4795.46    Top Width (ft)          2101.70     411.37    2282.39
  Vel Total (ft/s)            1.45    Avg. Vel. (ft/s)           1.29       1.75       1.50
  Max Chl Dpth (ft)         188.02    Hydr. Depth (ft)         117.27     180.04     145.64
  Conv. Total (cfs)       169665200.0    Conv. (cfs)           57059380.0   23270860.0   89334980.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2181.33     414.62    2352.44
  Min Ch El (ft)            571.86    Shear (lb/sq ft)           0.22       0.35       0.27
  Alpha                       1.03    Stream Power (lb/ft s)     0.28       0.60       0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    6058.99    1408.96    6047.99
  C & E Loss (ft)             0.00    Cum SA (acres)            43.60       7.21      39.74


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5941.15*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  695.27   89.62  693.03   237.3  684.59  415.28  678.02  444.94  672.83
   448.1  672.67  761.77  667.06   896.2  653.14   896.2  641.63  919.55  641.21
  949.21  632.73 1053.03  632.73 1067.86  632.09 1120.24  627.98 1186.51  624.75
 1209.86  624.45 1254.67  622.73 1305.16  621.43 1423.82  624.74 1478.72  621.46
 2106.06  593.67 2237.88  571.85 2352.27  571.85 2450.45  585.28 2515.91  593.67
 2996.22  601.73 3188.35  605.18 3440.72  605.18 3444.52  605.22 3700.68  602.86
 3764.72  603.57 3826.05  603.25 4057.26  599.51 4084.93  597.54 4134.32  598.98
 4288.46  611.95 4442.59  629.17 4635.26  687.81 4789.39  700.79

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2106.06     .15 2515.91     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2106.06 2515.91            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)           14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       247461.50   73811.28   331131.60
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            247461.50   73811.28   331131.60
  Q Total (cfs)           944490.80    Flow (cfs)             319561.50   129217.20   495712.10
  Top Width (ft)           4789.39    Top Width (ft)          2106.06     409.85    2273.48
  Vel Total (ft/s)            1.45    Avg. Vel. (ft/s)           1.29       1.75       1.50
  Max Chl Dpth (ft)         188.03    Hydr. Depth (ft)         117.50     180.09     145.65
  Conv. Total (cfs)       169545800.0    Conv. (cfs)           57364570.0   23195820.0   88985400.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2186.05     413.09    2343.58
  Min Ch El (ft)            571.85    Shear (lb/sq ft)           0.22       0.35       0.27
  Alpha                       1.03    Stream Power (lb/ft s)     0.28       0.61       0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    5974.12    1383.55    5933.98
  C & E Loss (ft)             0.00    Cum SA (acres)            42.88       7.07      38.96


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5926.16*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     695    89.8   692.8  237.79  684.36  416.14  677.73  445.86   672.6
  449.02  672.44  763.34  666.94  898.05  652.91  898.05  641.24  921.45  640.83
  951.17   632.5 1055.21   632.5 1070.07  631.86 1122.56  627.74 1188.97  624.55
 1212.37  624.25 1257.27   622.5 1307.86  621.19 1426.76  624.35 1481.78  621.07
 2110.42  593.58 2241.67  571.83 2356.25  571.83 2453.75  585.22 2518.75  593.58
 2997.18  601.75 3188.56  605.25 3439.94  605.25 3443.72  605.29 3698.89  602.81
 3762.68   603.5 3823.76  603.16 4054.06  599.37 4081.63  597.42 4130.83  598.96
 4284.36  612.11 4437.89  629.42  4629.8  687.52 4783.33  700.67

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2110.42     .15 2518.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2110.42 2518.75            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)           14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       248471.30   73562.50   329857.30
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            248471.30   73562.50   329857.30
  Q Total (cfs)           944490.80    Flow (cfs)             321488.30   128894.40   494108.10
  Top Width (ft)           4783.33    Top Width (ft)          2110.42     408.33    2264.58
  Vel Total (ft/s)            1.45    Avg. Vel. (ft/s)           1.29       1.75       1.50
  Max Chl Dpth (ft)         188.05    Hydr. Depth (ft)         117.74     180.15     145.66
  Conv. Total (cfs)       169433400.0    Conv. (cfs)           57672180.0   23122520.0   88638660.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2190.77     411.57    2334.73
  Min Ch El (ft)            571.83    Shear (lb/sq ft)           0.22       0.35       0.27
  Alpha                       1.03    Stream Power (lb/ft s)     0.28       0.61       0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    5888.90    1358.23    5820.40
  C & E Loss (ft)             0.00    Cum SA (acres)            42.15       6.93      38.18


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5911.18*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  694.73   89.99  692.56  238.28  684.13     417  677.45  446.78  672.38
  449.95  672.22  764.92  666.81   899.9  652.68   899.9  640.86  923.35  640.45
  953.14  632.27 1057.39  632.27 1072.28  631.62 1124.88  627.51 1191.42  624.35
 1214.87  624.05 1259.86  622.27 1310.56  620.94 1429.71  623.95 1484.84  620.69
 2114.77   593.5 2245.45  571.82 2360.23  571.82 2457.05  585.15 2521.59   593.5
 2998.14  601.77 3188.76  605.32 3439.16  605.32 3442.93  605.36 3697.09  602.76
 3760.63  603.44 3821.48  603.07 4050.87  599.23 4078.33   597.3 4127.33  598.95
 4280.26  612.27 4433.19  629.67 4624.35  687.23 4777.27  700.55

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2114.77     .15 2521.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2114.77 2521.59            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       249476.90   73312.91   328579.00
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            249476.90   73312.91   328579.00
  Q Total (cfs)           944490.80    Flow (cfs)             323418.80   128569.50   492502.50
  Top Width (ft)           4777.27    Top Width (ft)           2114.77     406.82    2255.68
  Vel Total (ft/s)            1.45    Avg. Vel. (ft/s)            1.30       1.75       1.50
  Max Chl Dpth (ft)         188.06    Hydr. Depth (ft)          117.97     180.21     145.67
  Conv. Total (cfs)       169317300.0    Conv. (cfs)            57978770.0   23048440.0   88290140.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2195.47     410.06    2325.88
  Min Ch El (ft)            571.82    Shear (lb/sq ft)            0.22       0.35       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.29       0.61       0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5803.34    1332.99    5707.26
  C & E Loss (ft)             0.00    Cum SA (acres)             41.43       6.79      37.40


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5896.19*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  694.45   90.18  692.33  238.78   683.9  417.86  677.16   447.7  672.15
  450.88  671.99  766.49  666.68  901.76  652.44  901.76  640.47  925.25  640.08
   955.1  632.05 1059.56  632.05 1074.49  631.39  1127.2  627.28 1193.88  624.15
 1217.37  623.84 1262.46  622.05 1313.26   620.7 1432.65  623.55  1487.9  620.31
 2119.13  593.42 2249.24   571.8  2364.2   571.8 2460.34  585.09 2524.43  593.42
  2999.1   601.8 3188.97  605.39 3438.38  605.39 3442.13  605.43 3695.29  602.71
 3758.58  603.38 3819.19  602.98 4047.67  599.09 4075.03  597.19 4123.83  598.94
 4276.16  612.42 4428.48  629.93 4618.89  686.94 4771.21  700.42

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2119.13     .15 2524.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2119.13 2524.43            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       250485.80   73062.61   327296.80
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            250485.80   73062.61   327296.80
  Q Total (cfs)           944490.80    Flow (cfs)             325360.10   128244.20   490886.50
  Top Width (ft)           4771.21    Top Width (ft)           2119.13     405.30    2246.78
  Vel Total (ft/s)            1.45    Avg. Vel. (ft/s)            1.30       1.76       1.50
  Max Chl Dpth (ft)         188.07    Hydr. Depth (ft)          118.20     180.27     145.67
  Conv. Total (cfs)       169200400.0    Conv. (cfs)            58286500.0   22974250.0   87939640.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2200.20     408.54    2317.04
  Min Ch El (ft)            571.80    Shear (lb/sq ft)            0.22       0.35       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.29       0.61       0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5717.43    1307.84    5594.56
  C & E Loss (ft)             0.00    Cum SA (acres)             40.70       6.65      36.63


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5881.21*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  694.18   90.36   692.1  239.27  683.67  418.72  676.87  448.62  671.92
  451.81  671.77  768.07  666.56  903.61  652.21  903.61  640.08  927.16   639.7
  957.06  631.82 1061.74  631.82  1076.7  631.15 1129.51  627.05 1196.33  623.95
 1219.87  623.64 1265.05  621.82 1315.96  620.45  1435.6  623.15 1490.96  619.92
 2123.48  593.33 2253.03  571.79 2368.18  571.79 2463.64  585.03 2527.27  593.33
 3000.06  601.82 3189.18  605.45  3437.6  605.45 3441.34  605.49 3693.49  602.66
 3756.53  603.31  3816.9  602.89 4044.48  598.96 4071.72  597.07 4120.34  598.92
 4272.06  612.58 4423.78  630.18 4613.43  686.64 4765.15   700.3
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2123.48     .15 2527.27     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2123.48 2527.27            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)           14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       251500.00   72812.75   326027.00
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            251500.00   72812.75   326027.00
  Q Total (cfs)           944490.80    Flow (cfs)              327301.60   127912.70   489276.40
  Top Width (ft)           4765.15    Top Width (ft)           2123.48     403.79    2237.88
  Vel Total (ft/s)            1.45    Avg. Vel. (ft/s)            1.30       1.76       1.50
  Max Chl Dpth (ft)         188.08    Hydr. Depth (ft)          118.44     180.32     145.69
  Conv. Total (cfs)       169091600.0    Conv. (cfs)            58596620.0   22900140.0   87594880.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2204.92     407.02    2308.19
  Min Ch El (ft)            571.79    Shear (lb/sq ft)           0.22       0.35       0.28
  Alpha                       1.03    Stream Power (lb/ft s)     0.29       0.61       0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5631.17    1282.78    5482.29
  C & E Loss (ft)             0.00    Cum SA (acres)             39.97       6.51      35.86


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5866.22*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  693.91   90.55  691.87  239.76  683.44  419.57  676.58  449.54  671.7
  452.73  671.54  769.64  666.43  905.46  651.97  905.46   639.7  929.06  639.32
  959.03  631.59 1063.92  631.59 1078.91  630.91 1131.83  626.82 1198.78  623.75
 1222.38  623.43 1267.65  621.59 1318.66  620.21 1438.54  622.75 1494.02  619.54
 2127.84  593.25 2256.82  571.77 2372.16  571.77 2466.93  584.97 2530.11  593.25
 3001.02  601.84 3189.39  605.52 3436.82  605.52 3440.54  605.56 3691.69  602.61
 3754.48  603.25 3814.61  602.81 4041.28  598.82 4068.42  596.95 4116.84  598.91
 4267.96  612.74 4419.08  630.43 4607.97  686.35 4759.09  700.18

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2127.84     .15 2530.11     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2127.84 2530.11            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)           14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       252515.10   72562.16   324746.60
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            252515.10   72562.16   324746.60
  Q Total (cfs)           944490.80    Flow (cfs)              329258.30   127582.80   487649.70
  Top Width (ft)           4759.09    Top Width (ft)           2127.84     402.27    2228.98
  Vel Total (ft/s)            1.45    Avg. Vel. (ft/s)            1.30       1.76       1.50
  Max Chl Dpth (ft)         188.10    Hydr. Depth (ft)          118.67     180.38     145.69
  Conv. Total (cfs)       168978600.0    Conv. (cfs)            58907500.0   22825800.0   87245260.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2209.62     405.50    2299.35
  Min Ch El (ft)            571.77    Shear (lb/sq ft)           0.22       0.35       0.28
  Alpha                       1.03    Stream Power (lb/ft s)     0.29       0.61       0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5544.57    1257.80    5370.47
  C & E Loss (ft)             0.00    Cum SA (acres)             39.24       6.37      35.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5851.24*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  693.64   90.73  691.63  240.25  683.21  420.43  676.29  450.46  671.47
  453.66  671.31  771.22  666.31  907.32  651.74  907.32  639.31  930.96  638.94
  960.99  631.36  1066.1  631.36 1081.11  630.68 1134.15  626.59 1201.24  623.55
 1224.88  623.23 1270.24  621.36 1321.36  619.96 1441.48  622.36 1497.07  619.16
  2132.2  593.17 2260.61  571.76 2376.14  571.76 2470.23  584.91 2532.95  593.17
 3001.98  601.86  3189.6  605.59 3436.04  605.59 3439.75  605.63  3689.9  602.56
 3752.43  603.18 3812.32  602.72 4038.09  598.68 4065.12  596.84 4113.35  598.89
 4263.86  612.89 4414.38  630.68 4602.52  686.06 4753.03  700.06

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  2132.2     .15 2532.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2132.2 2532.95            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)           14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       253529.80   72309.26   323470.50
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            253529.80   72309.26   323470.50
  Q Total (cfs)           944490.80    Flow (cfs)              331214.80   127245.90   486030.10
  Top Width (ft)           4753.03    Top Width (ft)           2132.20     400.75    2220.08
  Vel Total (ft/s)            1.45    Avg. Vel. (ft/s)            1.31       1.76       1.50
  Max Chl Dpth (ft)         188.11    Hydr. Depth (ft)          118.91     180.43     145.70
  Conv. Total (cfs)       168866000.0    Conv. (cfs)            59218060.0   22750350.0   86897570.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2214.35     403.98    2290.51
```

```
  Min Ch El (ft)            571.76    Shear (lb/sq ft)            0.22       0.35       0.28
  Alpha                       1.03    Stream Power (lb/ft s)      0.29       0.62       0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5457.61    1232.90    5259.09
  C & E Loss (ft)             0.00    Cum SA (acres)             38.51       6.24      34.32


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5836.25*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  693.36   90.92   691.4  240.74  682.99  421.29     676  451.38  671.25
  454.59  671.09   772.8  666.18  909.17   651.5  909.17  638.93  932.86  638.56
  962.95  631.14 1068.28  631.14 1083.32  630.44 1136.46  626.35 1203.69  623.35
 1227.38  623.02 1272.84  621.14 1324.06  619.72 1444.43  621.96 1500.13  618.77
 2136.55  593.08 2264.39  571.74 2380.11  571.74 2473.52  584.84  2535.8  593.08
 3002.94  601.89  3189.8  605.66 3435.26  605.66 3438.95   605.7  3688.1   602.5
 3750.38  603.12 3810.03  602.63  4034.9  598.54 4061.82  596.72 4109.85  598.88
 4259.76  613.05 4409.67  630.93 4597.06  685.77 4746.97  699.94

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2136.55     .15  2535.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2136.55  2535.8            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       254549.90   72063.60   322189.80
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            254549.90   72063.60   322189.80
  Q Total (cfs)           944490.80    Flow (cfs)             333181.50   126922.70   484386.60
  Top Width (ft)           4746.97    Top Width (ft)           2136.55     399.25    2211.17
  Vel Total (ft/s)            1.46    Avg. Vel. (ft/s)            1.31       1.76       1.50
  Max Chl Dpth (ft)         188.13    Hydr. Depth (ft)          119.14     180.50     145.71
  Conv. Total (cfs)       168757300.0    Conv. (cfs)           59531340.0   22677960.0   86547970.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2219.06     402.48    2281.66
  Min Ch El (ft)            571.74    Shear (lb/sq ft)            0.22       0.35       0.28
  Alpha                       1.03    Stream Power (lb/ft s)      0.29       0.62       0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5370.31    1208.09    5148.14
  C & E Loss (ft)             0.00    Cum SA (acres)             37.78       6.10      33.56


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5821.27*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  693.09    91.1  691.17  241.23  682.76  422.15  675.71   452.3  671.02
  455.51  670.86  774.37  666.05  911.02  651.27  911.02  638.54  934.76  638.18
  964.92  630.91 1070.45  630.91 1085.53  630.21 1138.78  626.12 1206.15  623.15
 1229.88  622.82 1275.43  620.91 1326.76  619.48 1447.37  621.56 1503.19  618.39
 2140.91     593 2268.18  571.73 2384.09  571.73 2476.82  584.78 2538.64     593
 3003.91  601.91 3190.01  605.73 3434.48  605.73 3438.16  605.76  3686.3  602.45
 3748.34  603.06 3807.74  602.54  4031.7   598.4 4058.52   596.6 4106.36  598.87
 4255.66  613.21 4404.97  631.19  4591.6  685.48 4740.91  699.82

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2140.91     .15 2538.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2140.91 2538.64            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       255569.80   71810.34   320910.00
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            255569.80   71810.34   320910.00
  Q Total (cfs)           944490.80    Flow (cfs)             335156.00   126583.50   482751.40
  Top Width (ft)           4740.91    Top Width (ft)           2140.91     397.73    2202.27
  Vel Total (ft/s)            1.46    Avg. Vel. (ft/s)            1.31       1.76       1.50
  Max Chl Dpth (ft)         188.14    Hydr. Depth (ft)          119.37     180.55     145.72
  Conv. Total (cfs)       168645200.0    Conv. (cfs)           59844360.0   22602330.0   86198510.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2223.80     400.95    2272.82
  Min Ch El (ft)            571.73    Shear (lb/sq ft)            0.23       0.35       0.28
  Alpha                       1.03    Stream Power (lb/ft s)      0.30       0.62       0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5282.65    1183.37    5037.64
  C & E Loss (ft)             0.00    Cum SA (acres)             37.04       5.96      32.80


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5806.29*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  692.82   91.29  690.94  241.72  682.53  423.01  675.42  453.22   670.8
  456.44  670.63  775.95  665.93  912.88  651.03  912.88  638.15  936.66   637.8
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```
  966.88  630.68 1072.63  630.68 1087.74  629.97  1141.1  625.89  1208.6  622.95
 1232.39  622.61 1278.03  620.68 1329.46  619.23 1450.32  621.16 1506.25  618.01
 2145.26  592.92 2271.97  571.71 2388.07  571.71 2480.11  584.72 2541.48  592.92
 3004.87  601.93 3190.22   605.8  3433.7   605.8 3437.36  605.83  3684.5   602.4
 3746.29  602.99 3805.45  602.45 4028.51  598.27 4055.21  596.49 4102.86  598.85
 4251.56  613.37 4400.27  631.44 4586.15  685.19 4734.85   699.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2145.26     .15 2541.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2145.26 2541.48            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       256589.60   71560.84   319630.50
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            256589.60   71560.84   319630.50
  Q Total (cfs)           944490.80    Flow (cfs)             337131.80   126250.50   481108.50
  Top Width (ft)           4734.85    Top Width (ft)           2145.26     396.22    2193.37
  Vel Total (ft/s)            1.46    Avg. Vel. (ft/s)            1.31       1.76       1.51
  Max Chl Dpth (ft)         188.16    Hydr. Depth (ft)          119.61     180.61     145.73
  Conv. Total (cfs)       168535200.0    Conv. (cfs)            60157900.0   22528180.0   85849160.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2228.51     399.44    2263.98
  Min Ch El (ft)            571.71    Shear (lb/sq ft)           0.23       0.35       0.28
  Alpha                       1.03    Stream Power (lb/ft s)     0.30       0.62       0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5194.65    1158.74    4927.57
  C & E Loss (ft)             0.00    Cum SA (acres)             36.30       5.82      32.05


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5791.30*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  692.55   91.47   690.7  242.21   682.3  423.87  675.13  454.15  670.57
  457.37  670.41  777.52   665.8  914.73   650.8  914.73  637.77  938.57  637.42
  968.84  630.45 1074.81  630.45 1089.95  629.74 1143.42  625.66 1211.05  622.75
 1234.89  622.41 1280.63  620.45 1332.16  618.99 1453.26  620.76 1509.31  617.62
 2149.62  592.83 2275.76   571.7 2392.05   571.7 2483.41  584.66 2544.32  592.83
 3005.83  601.95 3190.43  605.86 3432.92  605.86 3436.57   605.9  3682.7  602.35
 3744.24  602.93 3803.17  602.36 4025.31  598.13 4051.91  596.37 4099.36  598.84
 4247.46  613.52 4395.56  631.69 4580.69  684.89 4728.79  699.58

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2149.62     .15 2544.32     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2149.62 2544.32            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       257619.80   71308.18   318359.00
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            257619.80   71308.18   318359.00
  Q Total (cfs)           944490.80    Flow (cfs)             339119.70   125906.30   479464.80
  Top Width (ft)           4728.79    Top Width (ft)           2149.62     394.70    2184.47
  Vel Total (ft/s)            1.46    Avg. Vel. (ft/s)            1.32       1.77       1.51
  Max Chl Dpth (ft)         188.17    Hydr. Depth (ft)          119.84     180.66     145.74
  Conv. Total (cfs)       168431800.0    Conv. (cfs)            60475490.0   22452980.0   85503370.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2233.24     397.92    2255.14
  Min Ch El (ft)            571.70    Shear (lb/sq ft)           0.23       0.35       0.28
  Alpha                       1.03    Stream Power (lb/ft s)     0.30       0.62       0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5106.29    1134.19    4817.94
  C & E Loss (ft)             0.00    Cum SA (acres)             35.57       5.69      31.30


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5776.32*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  692.27   91.66  690.47   242.7  682.07  424.73  674.84  455.07  670.34
  458.29  670.18   779.1  665.68  916.59  650.56  916.59  637.38  940.47  637.05
  970.81  630.23 1076.99  630.23 1092.16   629.5 1145.73  625.43 1213.51  622.55
 1237.39   622.2 1283.22  620.23 1334.86  618.74 1456.21  620.37 1512.37  617.24
 2153.98  592.75 2279.55  571.68 2396.02  571.68  2486.7   584.6 2547.16  592.75
 3006.79  601.98 3190.64  605.93 3432.14  605.93 3435.77  605.97 3680.91   602.3
 3742.19  602.87 3800.88  602.27 4022.12  597.99 4048.61  596.25 4095.87  598.83
 4243.37  613.68 4390.86  631.94 4575.23   684.6 4722.73  699.45

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2153.98     .15 2547.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2153.98 2547.16            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       258642.90   71056.52   317076.70
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  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            258642.90   71056.52   317076.70
  Q Total (cfs)           944490.80    Flow (cfs)              341110.00   125569.10   477811.70
  Top Width (ft)           4722.73    Top Width (ft)           2153.98     393.18    2175.57
  Vel Total (ft/s)            1.46    Avg. Vel. (ft/s)            1.32       1.77       1.51
  Max Chl Dpth (ft)         188.19    Hydr. Depth (ft)          120.08     180.72     145.74
  Conv. Total (cfs)       168320800.0    Conv. (cfs)             60790350.0   22378080.0   85152410.0
  Length Wtd. (ft)          14.97    Wetted Per. (ft)         2237.98     396.40    2246.32
  Min Ch El (ft)           571.68    Shear (lb/sq ft)            0.23       0.35       0.28
  Alpha                      1.03    Stream Power (lb/ft s)      0.30       0.62       0.42
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     5017.58    1109.72    4708.76
  C & E Loss (ft)            0.00    Cum SA (acres)             34.83       5.55      30.55


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5761.33*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     692   91.84  690.24  243.19  681.84  425.59  674.55  455.99  670.12
  459.22  669.96  780.67  665.55  918.44  650.33  918.44  636.99  942.37  636.67
  972.77     630 1079.17     630 1094.37  629.26 1148.05   625.2 1215.96  622.35
 1239.89     622 1285.82     620 1337.56   618.5 1459.15  619.97 1515.43  616.86
 2158.33  592.67 2283.33  571.67    2400  571.67    2490  584.53    2550  592.67
 3007.75     602 3190.84     606 3431.36     606 3434.98  606.03 3679.11  602.25
 3740.14   602.8 3798.59  602.18 4018.93  597.85 4045.31  596.14 4092.37  598.81
 4239.27  613.84 4386.16   632.2 4569.77  684.31 4716.67  699.33

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2158.33     .15    2550     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2158.33    2550            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       259668.00   70805.23   315797.30
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            259668.00   70805.23   315797.30
  Q Total (cfs)           944490.80    Flow (cfs)              343104.30   125229.00   476157.50
  Top Width (ft)           4716.67    Top Width (ft)           2158.33     391.67    2166.67
  Vel Total (ft/s)            1.46    Avg. Vel. (ft/s)            1.32       1.77       1.51
  Max Chl Dpth (ft)         188.20    Hydr. Depth (ft)          120.31     180.78     145.75
  Conv. Total (cfs)       168212500.0    Conv. (cfs)             61106410.0   22303110.0   84803000.0
  Length Wtd. (ft)          14.97    Wetted Per. (ft)         2242.70     394.89    2237.48
  Min Ch El (ft)           571.67    Shear (lb/sq ft)            0.23       0.35       0.28
  Alpha                      1.03    Stream Power (lb/ft s)      0.30       0.62       0.42
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     4928.52    1085.35    4600.01
  C & E Loss (ft)            0.00    Cum SA (acres)             34.09       5.42      29.80


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5746.35*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  691.73   92.03     690  243.68  681.61  426.45  674.26  456.91  669.89
  460.15  669.73  782.25  665.42  920.29  650.09  920.29  636.61  944.27  636.29
  974.73  629.77 1081.34  629.77 1096.57  629.03 1150.37  624.96 1218.42  622.15
  1242.4   621.8 1288.41  619.77 1340.26  618.25  1462.1  619.57 1518.48  616.47
 2162.69  592.58 2287.12  571.65 2403.98  571.65  2493.3  584.47 2552.84  592.58
 3008.71  602.02 3191.05  606.07 3430.58  606.07 3434.18   606.1 3677.31   602.2
 3738.09  602.74  3796.3   602.1 4015.73  597.71    4042  596.02 4088.88   598.8
 4235.17     614 4381.46  632.45 4564.32  684.02 4710.61  699.21

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2162.69     .15 2552.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2162.69 2552.84            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       260708.10   70554.35   314518.20
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            260708.10   70554.35   314518.20
  Q Total (cfs)           944490.80    Flow (cfs)              345122.10   124886.60   474482.10
  Top Width (ft)           4710.61    Top Width (ft)           2162.69     390.15    2157.77
  Vel Total (ft/s)            1.46    Avg. Vel. (ft/s)            1.32       1.77       1.51
  Max Chl Dpth (ft)         188.22    Hydr. Depth (ft)          120.55     180.84     145.76
  Conv. Total (cfs)       168111000.0    Conv. (cfs)             61428680.0   22228720.0   84453600.0
  Length Wtd. (ft)          14.97    Wetted Per. (ft)         2247.43     393.36    2228.66
  Min Ch El (ft)           571.65    Shear (lb/sq ft)            0.23       0.35       0.28
  Alpha                      1.03    Stream Power (lb/ft s)      0.30       0.63       0.42
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     4839.10    1061.06    4491.70
  C & E Loss (ft)            0.00    Cum SA (acres)             33.34       5.28      29.06


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5731.36*
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```
INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  691.45   92.21  689.77  244.17  681.38   427.3  673.98  457.83  669.67
  461.07   669.5  783.82   665.3  922.15  649.86  922.15  636.22  946.17  635.91
   976.7  629.55 1083.52  629.55 1098.78  628.79 1152.68  624.73 1220.87  621.95
  1244.9  621.59 1291.01  619.55 1342.96  618.01 1465.04  619.17 1521.54  616.09
 2167.04   592.5 2290.91  571.64 2407.95  571.64 2496.59  584.41 2555.68   592.5
 3009.67  602.05 3191.26  606.14  3429.8  606.14 3433.39  606.17 3675.51  602.15
 3736.04  602.68 3794.01  602.01 4012.54  597.58  4038.7   595.9 4085.38  598.79
 4231.07  614.15 4376.75   632.7 4558.86  683.73 4704.55  699.09

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2167.04     .15 2555.68     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2167.04 2555.68            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       261734.40   70301.68   313234.40
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            261734.40   70301.68   313234.40
  Q Total (cfs)           944490.80    Flow (cfs)             347129.80   124543.30   472817.70
  Top Width (ft)           4704.55    Top Width (ft)          2167.04     388.64    2148.87
  Vel Total (ft/s)            1.46    Avg. Vel. (ft/s)           1.33       1.77       1.51
  Max Chl Dpth (ft)         188.23    Hydr. Depth (ft)         120.78     180.89     145.77
  Conv. Total (cfs)       168000600.0    Conv. (cfs)            61745460.0   22153030.0   84102080.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2252.17     391.85    2219.83
  Min Ch El (ft)            571.64    Shear (lb/sq ft)           0.23       0.35       0.28
  Alpha                       1.03    Stream Power (lb/ft s)     0.30       0.63       0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    4749.33    1036.85    4383.83
  C & E Loss (ft)             0.00    Cum SA (acres)            32.60       5.15      28.32


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5716.38*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  691.18   92.4  689.54  244.66  681.15  428.16  673.69  458.75  669.44
     462  669.28   785.4  665.17     924  649.62     924  635.84  948.08  635.53
  978.66  629.32  1085.7  629.32 1100.99  628.56    1155   624.5 1223.32  621.75
  1247.4  621.39  1293.6  619.32 1345.66  617.76 1467.99  618.77  1524.6  615.71
  2171.4  592.42  2294.7  571.62 2411.93  571.62 2499.89  584.35 2558.52  592.42
 3010.63  602.07 3191.47   606.2 3429.02   606.2 3432.59  606.24 3673.71   602.1
    3734  602.61 3791.72  601.92 4009.34  597.44  4035.4  595.79 4081.89  598.77
 4226.97  614.31 4372.05  632.95  4553.4  683.43 4698.49  698.97

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  2171.4     .15 2558.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2171.4 2558.52            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       262768.20   70049.55   311960.10
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            262768.20   70049.55   311960.10
  Q Total (cfs)           944490.80    Flow (cfs)             349142.70   124196.30   471151.80
  Top Width (ft)           4698.49    Top Width (ft)          2171.40     387.12    2139.97
  Vel Total (ft/s)            1.46    Avg. Vel. (ft/s)           1.33       1.77       1.51
  Max Chl Dpth (ft)         188.25    Hydr. Depth (ft)         121.01     180.95     145.78
  Conv. Total (cfs)       167898400.0    Conv. (cfs)            62065700.0   22077870.0   83754780.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2256.89     390.33    2211.00
  Min Ch El (ft)            571.62    Shear (lb/sq ft)           0.23       0.35       0.28
  Alpha                       1.03    Stream Power (lb/ft s)     0.31       0.63       0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    4659.20    1012.74    4276.40
  C & E Loss (ft)             0.00    Cum SA (acres)            31.85       5.02      27.58


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5701.39*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  690.91   92.59  689.31  245.16  680.92  429.02   673.4  459.67  669.21
  462.93  669.05  786.98  665.05  925.85  649.39  925.85  635.45  949.98  635.15
  980.62  629.09 1087.88  629.09  1103.2  628.32 1157.32  624.27 1225.78  621.55
  1249.9  621.18  1296.2  619.09 1348.36  617.52 1470.93  618.37 1527.66  615.33
 2175.76  592.33 2298.48  571.61 2415.91  571.61 2503.18  584.28 2561.36  592.33
 3011.59  602.09 3191.68  606.27 3428.24  606.27  3431.8   606.3 3671.92  602.04
 3731.95  602.55 3789.43  601.83 4006.15   597.3  4032.1  595.67 4078.39  598.76
 4222.87  614.47 4367.35   633.2 4547.95  683.14 4692.42  698.85

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2175.76     .15 2561.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2175.76 2561.36            14.97   14.97   14.97             .1       .3
```

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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)           14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       263805.80   69796.63   310683.80
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            263805.80   69796.63   310683.80
  Q Total (cfs)           944490.80    Flow (cfs)             351164.60   123847.50   469478.80
  Top Width (ft)           4692.42    Top Width (ft)          2175.76     385.60    2131.06
  Vel Total (ft/s)            1.47    Avg. Vel. (ft/s)           1.33       1.77       1.51
  Max Chl Dpth (ft)         188.26    Hydr. Depth (ft)         121.25     181.01     145.79
  Conv. Total (cfs)       167796600.0    Conv. (cfs)           62387280.0   22002520.0   83406780.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2261.64     388.81    2202.17
  Min Ch El (ft)            571.61    Shear (lb/sq ft)           0.23       0.36       0.28
  Alpha                       1.03    Stream Power (lb/ft s)     0.31       0.63       0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    4568.72     988.71    4169.41
  C & E Loss (ft)             0.00    Cum SA (acres)            31.11       4.88      26.85


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5686.41*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  690.64   92.77  689.07  245.65  680.69  429.88  673.11  460.59  668.99
  463.85  668.82  788.55  664.92  927.71  649.15  927.71  635.06  951.88  634.77
  982.59  628.86 1090.06  628.86 1105.41  628.09 1159.63  624.04 1228.23  621.34
 1252.41  620.98 1298.79  618.86 1351.06  617.28 1473.88  617.98 1530.72  614.94
 2180.11  592.25 2302.27  571.59 2419.89  571.59 2506.48  584.22  2564.2  592.25
 3012.55  602.11 3191.89  606.34 3427.46  606.34    3431  606.37 3670.12  601.99
  3729.9  602.48 3787.14  601.74 4002.96  597.16 4028.79  595.55 4074.89  598.75
 4218.77  614.62 4362.65  633.46 4542.49  682.85 4686.36  698.73

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2180.11     .15  2564.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2180.11  2564.2            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)           14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       264847.20   69545.85   309403.30
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            264847.20   69545.85   309403.30
  Q Total (cfs)           944490.80    Flow (cfs)             353199.60   123501.00   467790.20
  Top Width (ft)           4686.36    Top Width (ft)          2180.11     384.09    2122.16
  Vel Total (ft/s)            1.47    Avg. Vel. (ft/s)           1.33       1.78       1.51
  Max Chl Dpth (ft)         188.28    Hydr. Depth (ft)         121.48     181.07     145.80
  Conv. Total (cfs)       167695200.0    Conv. (cfs)           62710930.0   21927720.0   83056580.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2266.36     387.30    2193.35
  Min Ch El (ft)            571.59    Shear (lb/sq ft)           0.23       0.36       0.28
  Alpha                       1.03    Stream Power (lb/ft s)     0.31       0.63       0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    4477.88     964.76    4062.86
  C & E Loss (ft)             0.00    Cum SA (acres)            30.36       4.75      26.12


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5671.42*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  690.36   92.96  688.84  246.14  680.47  430.74  672.82  461.51  668.76
  464.78   668.6  790.13  664.79  929.56  648.92  929.56  634.68  953.78  634.39
  984.55  628.64 1092.23  628.64 1107.62  627.85 1161.95   623.8 1230.69  621.14
 1254.91  620.77 1301.39  618.64 1353.76  617.03 1476.82  617.58 1533.78  614.56
 2184.47  592.17 2306.06  571.58 2423.86  571.58 2509.77  584.16 2567.05  592.17
 3013.51  602.14 3192.09  606.41 3426.68  606.41 3430.21  606.44 3668.32  601.94
 3727.85  602.42 3784.86  601.65 3999.76  597.02 4025.49  595.44  4071.4  598.73
 4214.67  614.78 4357.94  633.71 4537.03  682.56  4680.3  698.61

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2184.47     .15 2567.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2184.47 2567.05            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)           14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       265884.80   69292.55   308117.80
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            265884.80   69292.55   308117.80
  Q Total (cfs)           944490.80    Flow (cfs)             355238.40   123150.80   466101.70
  Top Width (ft)           4680.30    Top Width (ft)          2184.47     382.58    2113.25
  Vel Total (ft/s)            1.47    Avg. Vel. (ft/s)           1.34       1.78       1.51
  Max Chl Dpth (ft)         188.29    Hydr. Depth (ft)         121.72     181.12     145.80
  Conv. Total (cfs)       167589000.0    Conv. (cfs)           63032960.0   21851680.0   82704360.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2271.11     385.78    2184.52
  Min Ch El (ft)            571.58    Shear (lb/sq ft)           0.23       0.36       0.28
  Alpha                       1.03    Stream Power (lb/ft s)     0.31       0.63       0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    4386.68     940.91    3956.75
  C & E Loss (ft)             0.00    Cum SA (acres)            29.61       4.62      25.39
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5656.44*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  690.09   93.14  688.61  246.63  680.24   431.6  672.53  462.43  668.54
  465.71  668.37   791.7  664.67  931.41  648.68  931.41  634.29  955.68  634.02
  986.51  628.41 1094.41  628.41 1109.83  627.62 1164.27  623.57 1233.14  620.94
 1257.41  620.57 1303.98  618.41 1356.46  616.79 1479.77  617.18 1536.83  614.18
 2188.83  592.08 2309.85  571.56 2427.84  571.56 2513.07   584.1 2569.89  592.08
 3014.47  602.16  3192.3  606.48  3425.9  606.48 3429.41   606.5 3666.52  601.89
  3725.8  602.36 3782.57  601.56 3996.57  596.89 4022.19  595.32  4067.9  598.72
 4210.57  614.94 4353.24  633.96 4531.57  682.27 4674.24  698.48

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2188.83     .15 2569.89     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2188.83 2569.89            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       266928.40   69040.57   306839.50
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            266928.40   69040.57   306839.50
  Q Total (cfs)           944490.80    Flow (cfs)             357281.20   122801.40   464408.20
  Top Width (ft)           4674.24    Top Width (ft)           2188.83     381.06    2104.35
  Vel Total (ft/s)            1.47    Avg. Vel. (ft/s)            1.34       1.78       1.51
  Max Chl Dpth (ft)         188.31    Hydr. Depth (ft)          121.95     181.18     145.81
  Conv. Total (cfs)       167489200.0    Conv. (cfs)            63357680.0   21776730.0   82354810.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2275.85     384.26    2175.71
  Min Ch El (ft)            571.56    Shear (lb/sq ft)            0.23       0.36       0.28
  Alpha                       1.03    Stream Power (lb/ft s)      0.31       0.63       0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4295.13     917.14    3851.08
  C & E Loss (ft)             0.00    Cum SA (acres)             28.86       4.49      24.66


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5641.45*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  689.82   93.33  688.38  247.12  680.01  432.46  672.24  463.35  668.31
  466.63  668.15  793.28  664.54  933.27  648.45  933.27   633.9  957.59  633.64
  988.48  628.18 1096.59  628.18 1112.04  627.38 1166.59  623.34  1235.6  620.74
 1259.91  620.36 1306.58  618.18 1359.15  616.54 1482.71  616.78 1539.89  613.79
 2193.18     592 2313.64  571.55 2431.82  571.55 2516.36  584.04 2572.73     592
 3015.43  602.18 3192.51  606.55 3425.12  606.55 3428.62  606.57 3664.72  601.84
 3723.75  602.29 3780.28  601.47 3993.37  596.75 4018.89   595.2 4064.41  598.71
 4206.47   615.1 4348.54  634.21 4526.12  681.97 4668.18  698.36

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2193.18     .15 2572.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2193.18 2572.73            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.87    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       267974.30   68787.09   305560.80
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            267974.30   68787.09   305560.80
  Q Total (cfs)           944490.80    Flow (cfs)             359332.90   122445.00   462712.80
  Top Width (ft)           4668.18    Top Width (ft)           2193.18     379.55    2095.45
  Vel Total (ft/s)            1.47    Avg. Vel. (ft/s)            1.34       1.78       1.51
  Max Chl Dpth (ft)         188.32    Hydr. Depth (ft)          122.19     181.23     145.82
  Conv. Total (cfs)       167389500.0    Conv. (cfs)            63683570.0   21700590.0   82005300.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2280.59     382.75    2166.89
  Min Ch El (ft)            571.55    Shear (lb/sq ft)            0.23       0.36       0.28
  Alpha                       1.03    Stream Power (lb/ft s)      0.31       0.64       0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4203.21     893.45    3745.85
  C & E Loss (ft)             0.00    Cum SA (acres)             28.10       4.36      23.94


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5626.47*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  689.55   93.51  688.14  247.61  679.78  433.32  671.95  464.27  668.08
  467.56  667.92  794.85  664.41  935.12  648.22  935.12  633.52  959.49  633.26
  990.44  627.95 1098.77  627.95 1114.24  627.14  1168.9  623.11 1238.05  620.54
 1262.42  620.16 1309.17  617.95 1361.85   616.3 1485.66  616.38 1542.95  613.41
 2197.54  591.92 2317.42  571.53 2435.79  571.53 2519.66  583.97 2575.57  591.92
 3016.39   602.2 3192.72  606.61 3424.34  606.61 3427.82  606.64 3662.93  601.79
  3721.7  602.23 3777.99  601.38 3990.18  596.61 4015.58  595.09 4060.91  598.69
 4202.37  615.25 4343.83  634.47 4520.66  681.68 4662.12  698.24
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2197.54     .15 2575.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2197.54 2575.57            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       269022.30   68534.65   304282.50
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            269022.30   68534.65   304282.50
  Q Total (cfs)           944490.80    Flow (cfs)             361388.60   122091.40   461010.80
  Top Width (ft)           4662.12    Top Width (ft)          2197.54     378.03    2086.55
  Vel Total (ft/s)            1.47    Avg. Vel. (ft/s)           1.34       1.78       1.52
  Max Chl Dpth (ft)         188.33    Hydr. Depth (ft)         122.42     181.29     145.83
  Conv. Total (cfs)       167291700.0    Conv. (cfs)            64010490.0   21625270.0   81655940.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2285.33     381.23    2158.08
  Min Ch El (ft)            571.53    Shear (lb/sq ft)           0.23       0.36       0.28
  Alpha                       1.03    Stream Power (lb/ft s)     0.31       0.64       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    4110.94     869.86    3641.06
  C & E Loss (ft)             0.00    Cum SA (acres)            27.35       4.23      23.22


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5611.48*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  689.27    93.7  687.91   248.1  679.55  434.18  671.66  465.19  667.86
  468.49  667.69  796.43  664.29  936.98  647.98  936.98  633.13  961.39  632.88
   992.4  627.73 1100.95  627.73 1116.45  626.91 1171.22  622.88  1240.5  620.34
 1264.92  619.95 1311.77  617.73 1364.55  616.05  1488.6  615.99 1546.01  613.03
 2201.89  591.83 2321.21  571.52 2439.77  571.52 2522.95  583.91 2578.41  591.83
 3017.35  602.23 3192.93  606.68 3423.56  606.68 3427.03  606.71 3661.13  601.74
 3719.65  602.17  3775.7   601.3 3986.99  596.47 4012.28  594.97 4057.42  598.68
 4198.27  615.41 4339.13  634.72  4515.2  681.39 4656.06  698.12

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2201.89     .15 2578.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2201.89 2578.41            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       270069.20   68281.66   302998.70
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            270069.20   68281.66   302998.70
  Q Total (cfs)           944490.80    Flow (cfs)             363452.50   121737.20   459301.10
  Top Width (ft)           4656.06    Top Width (ft)          2201.89     376.52    2077.65
  Vel Total (ft/s)            1.47    Avg. Vel. (ft/s)           1.35       1.78       1.52
  Max Chl Dpth (ft)         188.34    Hydr. Depth (ft)         122.65     181.35     145.84
  Conv. Total (cfs)       167190700.0    Conv. (cfs)            64337190.0   21549520.0   81304000.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2290.08     379.72    2149.27
  Min Ch El (ft)            571.52    Shear (lb/sq ft)           0.23       0.36       0.28
  Alpha                       1.03    Stream Power (lb/ft s)     0.32       0.64       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    4018.31     846.35    3536.71
  C & E Loss (ft)             0.00    Cum SA (acres)            26.59       4.10      22.51


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5596.50*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     689   93.88  687.68  248.59  679.32  435.04  671.37  466.11  667.63
  469.41  667.47  798.01  664.16  938.83  647.75  938.83  632.75  963.29   632.5
  994.37   627.5 1103.12   627.5 1118.66  626.67 1173.54  622.65 1242.96  620.14
 1267.42  619.75 1314.36   617.5 1367.25  615.81 1491.55  615.59 1549.07  612.64
 2206.25  591.75    2325   571.5 2443.75   571.5 2526.25  583.85 2581.25  591.75
 3018.31  602.25 3193.13  606.75 3422.78  606.75 3426.23  606.77 3659.33  601.69
 3717.61   602.1 3773.41  601.21 3983.79  596.33 4008.98  594.85 4053.92  598.67
 4194.17  615.57 4334.43  634.97 4509.75   681.1    4650     698

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2206.25     .15 2581.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2206.25 2581.25            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       271121.80   68028.16   301719.00
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            271121.80   68028.16   301719.00
  Q Total (cfs)           944490.80    Flow (cfs)             365523.80   121378.80   457588.20
  Top Width (ft)           4650.00    Top Width (ft)          2206.25     375.00    2068.75
  Vel Total (ft/s)            1.47    Avg. Vel. (ft/s)           1.35       1.78       1.52
  Max Chl Dpth (ft)         188.36    Hydr. Depth (ft)         122.89     181.41     145.85
  Conv. Total (cfs)       167093800.0    Conv. (cfs)            64666350.0   21473640.0   80953840.0
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```
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2294.82     378.20    2140.46
  Min Ch El (ft)            571.50    Shear (lb/sq ft)            0.24       0.36       0.28
  Alpha                       1.03    Stream Power (lb/ft s)      0.32       0.64       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3925.31     822.92    3432.80
  C & E Loss (ft)             0.00    Cum SA (acres)             25.84       3.97      21.80


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5581.51*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  688.73   94.07  687.45  249.08  679.09  435.89  671.08  467.03  667.41
  470.34  667.24  799.58  664.04  940.68  647.51  940.68  632.36  965.19  632.12
  996.33  627.27  1105.3  627.27 1120.87  626.44 1175.85  622.41 1245.41  619.94
 1269.92  619.55 1316.96  617.27 1369.95  615.57 1494.49  615.19 1552.13  612.26
 2210.61  591.67 2328.79  571.48 2447.73  571.48 2529.55  583.79 2584.09  591.67
 3019.27  602.27 3193.34  606.82    3422  606.82 3425.44  606.84 3657.53  601.64
 3715.56  602.04 3771.12  601.12  3980.6   596.2 4005.68  594.74 4050.42  598.65
 4190.07  615.73 4329.73  635.22 4504.29  680.81 4643.94  697.88

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2210.61     .15 2584.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2210.61 2584.09            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       272173.20   67774.49   300436.30
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            272173.20   67774.49   300436.30
  Q Total (cfs)           944490.80    Flow (cfs)             367599.70   121020.80   455870.30
  Top Width (ft)           4643.94    Top Width (ft)          2210.61     373.48    2059.85
  Vel Total (ft/s)            1.47    Avg. Vel. (ft/s)           1.35       1.79       1.52
  Max Chl Dpth (ft)         188.38    Hydr. Depth (ft)         123.12     181.47     145.85
  Conv. Total (cfs)       166995200.0    Conv. (cfs)           64995230.0   21397670.0   80602340.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2299.57     376.68    2131.65
  Min Ch El (ft)            571.48    Shear (lb/sq ft)            0.24       0.36       0.28
  Alpha                       1.03    Stream Power (lb/ft s)      0.32       0.64       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3831.96     799.59    3329.33
  C & E Loss (ft)             0.00    Cum SA (acres)             25.08       3.84      21.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5566.53*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  688.45   94.25  687.21  249.57  678.86  436.75  670.79  467.95  667.18
  471.27  667.01  801.16  663.91  942.54  647.28  942.54  631.97   967.1  631.74
  998.29  627.05 1107.48  627.05 1123.08   626.2 1178.17  622.18 1247.87  619.74
 1272.42  619.34 1319.55  617.05 1372.65  615.32 1497.44  614.79 1555.19  611.88
 2214.96  591.58 2332.58  571.47  2451.7  571.47 2532.84  583.73 2586.93  591.58
 3020.23   602.3 3193.55  606.89 3421.22  606.89 3424.64  606.91 3655.74  601.58
 3713.51  601.97 3768.83  601.03  3977.4  596.06 4002.37  594.62 4046.93  598.64
 4185.98  615.88 4325.02  635.47 4498.83  680.51 4637.88  697.76

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2214.96     .15 2586.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2214.96 2586.93            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       273230.60   67520.94   299158.40
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            273230.60   67520.94   299158.40
  Q Total (cfs)           944490.80    Flow (cfs)             369682.10   120658.80   454149.90
  Top Width (ft)           4637.88    Top Width (ft)          2214.96     371.97    2050.95
  Vel Total (ft/s)            1.48    Avg. Vel. (ft/s)           1.35       1.79       1.52
  Max Chl Dpth (ft)         188.39    Hydr. Depth (ft)         123.36     181.52     145.86
  Conv. Total (cfs)       166901100.0    Conv. (cfs)           65326570.0   21321620.0   80252880.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2304.33     375.16    2122.84
  Min Ch El (ft)            571.47    Shear (lb/sq ft)            0.24       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.32       0.64       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3738.24     776.34    3226.30
  C & E Loss (ft)             0.00    Cum SA (acres)             24.32       3.71      20.38


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5551.54*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  688.18   94.44  686.98  250.06  678.63  437.61  670.51  468.87  666.95
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   472.2  666.79  802.73  663.78  944.39  647.04  944.39  631.59     969  631.36
 1000.26  626.82 1109.66  626.82 1125.29  625.97 1180.49  621.95 1250.32  619.54
 1274.93  619.14 1322.15  616.82 1375.35  615.08 1500.38  614.39 1558.24  611.49
 2219.32   591.5 2336.36  571.45 2455.68  571.45 2536.14  583.66 2589.77   591.5
 3021.19  602.32 3193.76  606.95 3420.44  606.95 3423.85  606.98 3653.94  601.53
 3711.46  601.91 3766.54  600.94 3974.21  595.92 3999.07   594.5 4043.43  598.63
 4181.88  616.04 4320.32  635.73 4493.38  680.22 4631.82  697.64

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2219.32     .15 2589.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2219.32 2589.77             14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       274288.70   67267.70   297877.90
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            274288.70   67267.70   297877.90
  Q Total (cfs)           944490.80    Flow (cfs)             371771.70   120298.00   452421.20
  Top Width (ft)           4631.82    Top Width (ft)          2219.32     370.45    2042.05
  Vel Total (ft/s)            1.48    Avg. Vel. (ft/s)           1.36       1.79       1.52
  Max Chl Dpth (ft)         188.41    Hydr. Depth (ft)         123.59     181.58     145.87
  Conv. Total (cfs)       166806800.0    Conv. (cfs)           65658710.0   21245870.0   79902260.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2309.07     373.65    2114.04
  Min Ch El (ft)            571.45    Shear (lb/sq ft)           0.24       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)     0.32       0.64       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    3644.16     753.18    3123.71
  C & E Loss (ft)             0.00    Cum SA (acres)            23.55       3.59      19.68


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5536.56*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  687.91   94.62  686.75  250.55   678.4  438.47  670.22  469.79  666.73
  473.12  666.56  804.31  663.66  946.24  646.81  946.24   631.2   970.9  630.98
 1002.22  626.59 1111.84  626.59  1127.5  625.73 1182.81  621.72 1252.77  619.34
 1277.43  618.93 1324.74  616.59 1378.05  614.83 1503.33     614  1561.3  611.11
 2223.67  591.42 2340.15  571.44 2459.66  571.44 2539.43   583.6 2592.61  591.42
 3022.15  602.34 3193.97  607.02 3419.66  607.02 3423.05  607.04 3652.14  601.48
 3709.41  601.85 3764.26  600.85 3971.02  595.78 3995.77  594.39 4039.94  598.61
 4177.78   616.2 4315.62  635.98 4487.92  679.93 4625.76  697.52

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2223.67     .15 2592.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2223.67 2592.61             14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       275343.80   67013.07   296597.40
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            275343.80   67013.07   296597.40
  Q Total (cfs)           944490.80    Flow (cfs)             373862.10   119932.80   450695.90
  Top Width (ft)           4625.76    Top Width (ft)          2223.67     368.94    2033.15
  Vel Total (ft/s)            1.48    Avg. Vel. (ft/s)           1.36       1.79       1.52
  Max Chl Dpth (ft)         188.42    Hydr. Depth (ft)         123.82     181.64     145.88
  Conv. Total (cfs)       166710400.0    Conv. (cfs)           65989720.0   21169130.0   79551530.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2313.82     372.13    2105.24
  Min Ch El (ft)            571.44    Shear (lb/sq ft)           0.24       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)     0.32       0.65       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    3549.71     730.11    3021.56
  C & E Loss (ft)             0.00    Cum SA (acres)            22.79       3.46      18.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5521.57*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  687.64   94.81  686.51  251.05  678.17  439.33  669.93  470.71   666.5
  474.05  666.34  805.88  663.53   948.1  646.57   948.1  630.81   972.8  630.61
 1004.18  626.36 1114.01  626.36 1129.71  625.49 1185.12  621.49 1255.23  619.14
 1279.93  618.73 1327.34  616.36 1380.75  614.59 1506.27   613.6 1564.36  610.73
 2228.03  591.33 2343.94  571.42 2463.64  571.42 2542.73  583.54 2595.45  591.33
 3023.11  602.36 3194.17  607.09 3418.88  607.09 3422.26  607.11 3650.34  601.43
 3707.36  601.78 3761.97  600.76 3967.82  595.64 3992.47  594.27 4036.44   598.6
 4173.68  616.35 4310.92  636.23 4482.46  679.64  4619.7  697.39

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2228.03     .15 2595.45     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2228.03 2595.45             14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)            14.97      14.97      14.97
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  Crit W.S. (ft)                      Flow Area (sq ft)       276407.90   66759.53   295319.70
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            276407.90   66759.53   295319.70
  Q Total (cfs)           944490.80    Flow (cfs)              375963.40   119568.60   448958.80
  Top Width (ft)           4619.70    Top Width (ft)           2228.03     367.42    2024.25
  Vel Total (ft/s)            1.48    Avg. Vel. (ft/s)            1.36       1.79       1.52
  Max Chl Dpth (ft)         188.44    Hydr. Depth (ft)          124.06     181.70     145.89
  Conv. Total (cfs)       166619600.0    Conv. (cfs)             66324460.0   21093350.0   79201740.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2318.58     370.61    2096.45
  Min Ch El (ft)            571.42    Shear (lb/sq ft)            0.24       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.33       0.65       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3454.91     707.12    2919.85
  C & E Loss (ft)             0.00    Cum SA (acres)             22.03       3.33      18.28


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5506.59*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  687.36      95  686.28  251.54  677.95  440.19  669.64  471.63  666.28
  474.98  666.11  807.46  663.41  949.95  646.34  949.95  630.43   974.7  630.23
 1006.15  626.14 1116.19  626.14 1131.91  625.26 1187.44  621.26 1257.68  618.94
 1282.43  618.52 1329.93  616.14 1383.45  614.34 1509.22   613.2 1567.42  610.34
 2232.39  591.25 2347.73  571.41 2467.61  571.41 2546.02  583.48  2598.3  591.25
 3024.07  602.39 3194.38  607.16  3418.1  607.16 3421.46  607.18 3648.54  601.38
 3705.31  601.72 3759.68  600.67 3964.63  595.51 3989.17  594.15 4032.95  598.59
 4169.58  616.51 4306.21  636.48    4477  679.35 4613.64  697.27

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2232.39     .15  2598.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2232.39  2598.3            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       277469.60   66504.47   294031.00
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            277469.60   66504.47   294031.00
  Q Total (cfs)           944490.80    Flow (cfs)              378076.80   119202.00   447212.10
  Top Width (ft)           4613.64    Top Width (ft)           2232.39     365.91    2015.34
  Vel Total (ft/s)            1.48    Avg. Vel. (ft/s)            1.36       1.79       1.52
  Max Chl Dpth (ft)         188.45    Hydr. Depth (ft)          124.29     181.75     145.90
  Conv. Total (cfs)       166522200.0    Conv. (cfs)             66658320.0   21016370.0   78847490.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2323.34     369.10    2087.65
  Min Ch El (ft)            571.41    Shear (lb/sq ft)            0.24       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.33       0.65       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3359.73     684.22    2818.58
  C & E Loss (ft)             0.00    Cum SA (acres)             21.26       3.21      17.59


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5491.60*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  687.09   95.18  686.05  252.03  677.72  441.05  669.35  472.55  666.05
   475.9  665.88  809.03  663.28  951.81   646.1  951.81  630.04  976.61  629.85
 1008.11  625.91 1118.37  625.91 1134.12  625.02 1189.76  621.02 1260.14  618.74
 1284.94  618.32 1332.53  615.91 1386.15   614.1 1512.16   612.8 1570.48  609.96
 2236.74  591.17 2351.51  571.39 2471.59  571.39 2549.32  583.42 2601.14  591.17
 3025.03  602.41 3194.59  607.23 3417.32  607.23 3420.67  607.25 3646.75  601.33
 3703.27  601.66 3757.39  600.59 3961.43  595.37 3985.86  594.04 4029.45  598.57
 4165.48  616.67 4301.51  636.74 4471.55  679.05 4607.58  697.15

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2236.74     .15 2601.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2236.74 2601.14            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       278534.20   66251.63   292747.70
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            278534.20   66251.63   292747.70
  Q Total (cfs)           944490.80    Flow (cfs)              380191.20   118837.30   445462.30
  Top Width (ft)           4607.58    Top Width (ft)           2236.74     364.40    2006.44
  Vel Total (ft/s)            1.48    Avg. Vel. (ft/s)            1.36       1.79       1.52
  Max Chl Dpth (ft)         188.47    Hydr. Depth (ft)          124.53     181.81     145.90
  Conv. Total (cfs)       166429800.0    Conv. (cfs)             66993930.0   20940460.0   78495420.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2328.09     367.59    2078.85
  Min Ch El (ft)            571.39    Shear (lb/sq ft)            0.24       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.33       0.65       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3264.19     661.41    2717.76
  C & E Loss (ft)             0.00    Cum SA (acres)             20.49       3.08      16.89


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
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REACH: PALUXY RIVER       RS: 5476.62*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  686.82   95.37  685.82  252.52  677.49  441.91  669.06  473.47  665.82
  476.83  665.66  810.61  663.15  953.66  645.87  953.66  629.66  978.51  629.47
 1010.07  625.68 1120.55  625.68 1136.33  624.79 1192.07  620.79 1262.59  618.54
 1287.44  618.11 1335.12  615.68 1388.85  613.86 1515.11   612.4 1573.54  609.58
  2241.1  591.08  2355.3  571.38 2475.57  571.38 2552.61  583.35 2603.98  591.08
 3025.99  602.43  3194.8   607.3 3416.54   607.3 3419.87  607.31 3644.95  601.28
 3701.22  601.59  3755.1   600.5 3958.24  595.23 3982.56  593.92 4025.95  598.56
 4161.38  616.83 4296.81  636.99 4466.09  678.76 4601.52  697.03

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  2241.1     .15 2603.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2241.1 2603.98            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       279602.80   65996.00   291468.50
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            279602.80   65996.00   291468.50
  Q Total (cfs)           944490.80    Flow (cfs)             382311.60   118465.60   443713.60
  Top Width (ft)           4601.52    Top Width (ft)          2241.10     362.88    1997.54
  Vel Total (ft/s)            1.48    Avg. Vel. (ft/s)           1.37       1.80       1.52
  Max Chl Dpth (ft)         188.48    Hydr. Depth (ft)         124.76     181.87     145.91
  Conv. Total (cfs)       166339900.0    Conv. (cfs)            67331180.0   20863690.0   78145060.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2332.84     366.07    2070.06
  Min Ch El (ft)            571.38    Shear (lb/sq ft)           0.24       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)     0.33       0.65       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    3168.29     638.68    2617.37
  C & E Loss (ft)             0.00    Cum SA (acres)            19.72       2.95      16.21


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5461.63*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  686.55   95.55  685.58  253.01  677.26  442.77  668.77  474.39   665.6
  477.76  665.43  812.19  663.03  955.51  645.63  955.51  629.27  980.41  629.09
 1012.04  625.45 1122.73  625.45 1138.54  624.55 1194.39  620.56 1265.04  618.34
 1289.94  617.91 1337.72  615.45 1391.55  613.61 1518.05  612.01  1576.6   609.2
 2245.45     591 2359.09  571.36 2479.54  571.36 2555.91  583.29 2606.82     591
 3026.95  602.45 3195.01  607.36 3415.76  607.36 3419.08  607.38 3643.15  601.23
 3699.17  601.53 3752.81  600.41 3955.05  595.09 3979.26   593.8 4022.46  598.54
 4157.28  616.98  4292.1  637.24 4460.63  678.47 4595.46  696.91

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2245.45     .15 2606.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2245.45 2606.82           14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       280669.70   65742.76   290190.50
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            280669.70   65742.76   290190.50
  Q Total (cfs)           944490.80    Flow (cfs)             384430.60   118096.60   441963.60
  Top Width (ft)           4595.46    Top Width (ft)          2245.45     361.37    1988.64
  Vel Total (ft/s)            1.48    Avg. Vel. (ft/s)           1.37       1.80       1.52
  Max Chl Dpth (ft)         188.50    Hydr. Depth (ft)         124.99     181.93     145.92
  Conv. Total (cfs)       166250800.0    Conv. (cfs)            67668090.0   20787550.0   77795130.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2337.59     364.56    2061.27
  Min Ch El (ft)            571.36    Shear (lb/sq ft)           0.24       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)     0.33       0.65       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    3072.01     616.05    2517.42
  C & E Loss (ft)             0.00    Cum SA (acres)            18.95       2.83      15.52


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5446.65*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  686.27   95.74  685.35   253.5  677.03  443.62  668.48  475.31  665.37
  478.68   665.2  813.76   662.9  957.37   645.4  957.37  628.88  982.31  628.71
    1014  625.23 1124.91  625.23 1140.75  624.32 1196.71  620.33  1267.5  618.13
 1292.44   617.7 1340.31  615.23 1394.25  613.37    1521  611.61 1579.65  608.81
 2249.81  590.92 2362.88  571.35 2483.52  571.35  2559.2  583.23 2609.66  590.92
 3027.91  602.48 3195.21  607.43 3414.98  607.43 3418.28  607.45 3641.35  601.18
 3697.12  601.47 3750.52  600.32 3951.85  594.95 3975.96  593.68 4018.96  598.53
 4153.18  617.14  4287.4  637.49 4455.18  678.18  4589.4  696.79

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2249.81     .15 2609.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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       2249.81 2609.66            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       281743.60   65485.30   288904.60
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            281743.60   65485.30   288904.60
  Q Total (cfs)           944490.80    Flow (cfs)             386572.60   117719.40   440198.80
  Top Width (ft)           4589.40    Top Width (ft)          2249.81     359.85    1979.74
  Vel Total (ft/s)            1.48    Avg. Vel. (ft/s)           1.37       1.80       1.52
  Max Chl Dpth (ft)         188.51    Hydr. Depth (ft)         125.23     181.98     145.93
  Conv. Total (cfs)       166158800.0    Conv. (cfs)           68007500.0   20709690.0   77441660.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2342.37     363.04    2052.49
  Min Ch El (ft)            571.35    Shear (lb/sq ft)           0.24       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)     0.33       0.65       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    2975.37     593.50    2417.92
  C & E Loss (ft)             0.00    Cum SA (acres)            18.18       2.71      14.84


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5431.66*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     686   95.92  685.12  253.99   676.8  444.48  668.19  476.23  665.15
  479.61  664.98  815.34  662.77  959.22  645.16  959.22   628.5  984.21  628.33
 1015.96     625 1127.08     625 1142.96  624.08 1199.02   620.1 1269.95  617.93
 1294.95   617.5 1342.91     615 1396.95  613.12 1523.94  611.21 1582.71  608.43
 2254.17  590.83 2366.67  571.33  2487.5  571.33  2562.5  583.17  2612.5  590.83
 3028.87   602.5 3195.42   607.5  3414.2   607.5 3417.49  607.52 3639.55  601.12
 3695.07   601.4 3748.23  600.23 3948.66  594.82 3972.65  593.57 4015.47  598.52
 4149.08   617.3  4282.7  637.74 4449.72  677.89 4583.33  696.67

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2254.17     .15  2612.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2254.17  2612.5            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       282819.80   65230.80   287623.10
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            282819.80   65230.80   287623.10
  Q Total (cfs)           944490.80    Flow (cfs)             388714.00   117346.70   438430.10
  Top Width (ft)           4583.33    Top Width (ft)          2254.17     358.33    1970.83
  Vel Total (ft/s)            1.49    Avg. Vel. (ft/s)           1.37       1.80       1.52
  Max Chl Dpth (ft)         188.53    Hydr. Depth (ft)         125.47     182.04     145.94
  Conv. Total (cfs)       166072300.0    Conv. (cfs)           68348610.0   20633380.0   77090320.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2347.12     361.52    2043.69
  Min Ch El (ft)            571.33    Shear (lb/sq ft)           0.24       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)     0.33       0.66       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    2878.36     571.04    2318.85
  C & E Loss (ft)             0.00    Cum SA (acres)            17.41       2.58      14.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5416.68*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  685.73   96.11  684.89  254.48  676.57  445.34   667.9  477.15  664.92
  480.54  664.75  816.91  662.65  961.07  644.93  961.07  628.11  986.12  627.95
 1017.93  624.77 1129.26  624.77 1145.17  623.85 1201.34  619.87 1272.41  617.73
 1297.45   617.3  1345.5  614.77 1399.65  612.88 1526.89  610.81 1585.77  608.05
 2258.52  590.75 2370.45  571.32 2491.48  571.32 2565.79   583.1 2615.34  590.75
 3029.83  602.52 3195.63  607.57 3413.42  607.57 3416.69  607.58 3637.76  601.07
 3693.02  601.34 3745.95  600.14 3945.46  594.68 3969.35  593.45 4011.97   598.5
 4144.98  617.46    4278     638 4444.26  677.59 4577.27  696.55

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2258.52     .15 2615.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2258.52 2615.34            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       283890.80   64975.55   286341.40
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            283890.80   64975.55   286341.40
  Q Total (cfs)           944490.80    Flow (cfs)             390853.20   116971.60   436666.00
  Top Width (ft)           4577.27    Top Width (ft)          2258.52     356.82    1961.93
  Vel Total (ft/s)            1.49    Avg. Vel. (ft/s)           1.38       1.80       1.52
  Max Chl Dpth (ft)         188.54    Hydr. Depth (ft)         125.70     182.10     145.95
  Conv. Total (cfs)       165982600.0    Conv. (cfs)           68687600.0   20556300.0   76738650.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2351.89     360.01    2034.91
  Min Ch El (ft)            571.32    Shear (lb/sq ft)           0.24       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)     0.34       0.66       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    2780.99     548.66    2220.22
  C & E Loss (ft)             0.00    Cum SA (acres)            16.63       2.46      13.48
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5401.69*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  685.45   96.29  684.65  254.97  676.34   446.2  667.61  478.07  664.69
  481.46  664.53  818.49  662.52  962.93  644.69  962.93  627.72  988.02  627.58
 1019.89  624.55 1131.44  624.55 1147.37  623.61 1203.66  619.63 1274.86  617.53
 1299.95  617.09  1348.1  614.55 1402.35  612.63 1529.83  610.41 1588.83  607.66
 2262.88  590.67 2374.24   571.3 2495.45   571.3 2569.09  583.04 2618.18  590.67
 3030.79  602.55 3195.84  607.64 3412.64  607.64  3415.9  607.65 3635.96  601.02
 3690.97  601.27 3743.66  600.05 3942.27  594.54 3966.05  593.33 4008.48  598.49
 4140.88  617.61 4273.29  638.25  4438.8   677.3 4571.21  696.42

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2262.88     .15 2618.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2262.88 2618.18            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       284972.00   64719.82   285057.30
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            284972.00   64719.82   285057.30
  Q Total (cfs)           944490.80    Flow (cfs)             393012.00   116594.10   434884.70
  Top Width (ft)           4571.21    Top Width (ft)          2262.88     355.30    1953.03
  Vel Total (ft/s)            1.49    Avg. Vel. (ft/s)           1.38       1.80       1.53
  Max Chl Dpth (ft)         188.56    Hydr. Depth (ft)         125.93     182.16     145.96
  Conv. Total (cfs)       165895500.0    Conv. (cfs)            69030760.0   20479230.0   76385510.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2356.66     358.49    2026.14
  Min Ch El (ft)            571.30    Shear (lb/sq ft)           0.24       0.37       0.28
  Alpha                       1.02    Stream Power (lb/ft s)     0.34       0.66       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    2683.24     526.38    2122.04
  C & E Loss (ft)             0.00    Cum SA (acres)            15.85       2.34      12.81


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5386.71*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  685.18   96.48  684.42  255.46  676.11  447.06  667.33  478.99  664.47
  482.39   664.3  820.06   662.4  964.78  644.46  964.78  627.34  989.92   627.2
 1021.85  624.32 1133.62  624.32 1149.58  623.37 1205.98   619.4 1277.31  617.33
 1302.45  616.89 1350.69  614.32 1405.05  612.39 1532.78  610.01 1591.89  607.28
 2267.23  590.58 2378.03  571.29 2499.43  571.29 2572.39  582.98 2621.02  590.58
 3031.75  602.57 3196.05   607.7 3411.85   607.7  3415.1  607.72 3634.16  600.97
 3688.92  601.21 3741.37  599.96 3939.08   594.4 3962.75  593.22 4004.98  598.48
 4136.78  617.77 4268.59   638.5 4433.35  677.01 4565.15   696.3

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2267.23     .15 2621.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2267.23 2621.02            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       286049.30   64464.43   283778.40
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            286049.30   64464.43   283778.40
  Q Total (cfs)           944490.80    Flow (cfs)             395163.50   116215.40   433111.90
  Top Width (ft)           4565.15    Top Width (ft)          2267.23     353.79    1944.13
  Vel Total (ft/s)            1.49    Avg. Vel. (ft/s)           1.38       1.80       1.53
  Max Chl Dpth (ft)         188.57    Hydr. Depth (ft)         126.17     182.21     145.97
  Conv. Total (cfs)       165810100.0    Conv. (cfs)            69372930.0   20402190.0   76034960.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2361.42     356.98    2017.36
  Min Ch El (ft)            571.29    Shear (lb/sq ft)           0.25       0.37       0.28
  Alpha                       1.02    Stream Power (lb/ft s)     0.34       0.66       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    2585.12     504.18    2024.29
  C & E Loss (ft)             0.00    Cum SA (acres)            15.07       2.22      12.14


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5371.72*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  684.91   96.66  684.19  255.95  675.88  447.92  667.04  479.91  664.24
  483.32  664.07  821.64  662.27  966.63  644.23  966.63  626.95  991.82  626.82
 1023.82  624.09  1135.8  624.09 1151.79  623.14 1208.29  619.17 1279.77  617.13
 1304.96  616.68 1353.29  614.09 1407.75  612.14 1535.72  609.62 1594.95   606.9
 2271.59   590.5 2381.82  571.27 2503.41  571.27 2575.68  582.92 2623.86   590.5
 3032.71  602.59 3196.25  607.77 3411.07  607.77 3414.31  607.79 3632.36  600.92
 3686.88  601.15 3739.08  599.87 3935.88  594.26 3959.44   593.1 4001.48  598.46
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 4132.69  617.93 4263.89  638.75 4427.89  676.72 4559.09  696.18

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2271.59     .15 2623.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2271.59 2623.86            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       287130.70   64208.31   282495.40
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            287130.70   64208.31   282495.40
  Q Total (cfs)           944490.80    Flow (cfs)             397327.50   115835.30   431327.90
  Top Width (ft)           4559.09    Top Width (ft)           2271.59     352.27    1935.23
  Vel Total (ft/s)            1.49    Avg. Vel. (ft/s)            1.38       1.80       1.53
  Max Chl Dpth (ft)         188.59    Hydr. Depth (ft)         126.40     182.27     145.98
  Conv. Total (cfs)       165723900.0    Conv. (cfs)           69716590.0   20324900.0   75682430.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2366.20     355.46    2008.59
  Min Ch El (ft)            571.27    Shear (lb/sq ft)            0.25       0.37       0.29
  Alpha                       1.02    Stream Power (lb/ft s)      0.34       0.66       0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2486.63     482.07    1926.99
  C & E Loss (ft)             0.00    Cum SA (acres)             14.29       2.09      11.48


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5356.74*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  684.64   96.85  683.96  256.44  675.66  448.78  666.75  480.83  664.02
  484.24  663.85  823.21  662.14  968.49  643.99  968.49  626.57  993.72  626.44
 1025.78  623.86 1137.97  623.86    1154   622.9 1210.61  618.94 1282.22  616.93
 1307.46  616.48 1355.88  613.86 1410.45   611.9 1538.67  609.22    1598  606.51
 2275.95  590.42 2385.61  571.26 2507.39  571.26 2578.98  582.86  2626.7  590.42
 3033.67  602.61 3196.46  607.84 3410.29  607.84 3413.51  607.85 3630.56  600.87
 3684.83  601.08 3736.79  599.79 3932.69  594.12 3956.14  592.98 3997.99  598.45
 4128.59  618.08 4259.18  639.01 4422.43  676.43 4553.03  696.06

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2275.95     .15  2626.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2275.95  2626.7            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.86    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       288214.60   63950.01   281211.30
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            288214.60   63950.01   281211.30
  Q Total (cfs)           944490.80    Flow (cfs)             399502.90   115448.90   429539.10
  Top Width (ft)           4553.03    Top Width (ft)           2275.95     350.75    1926.33
  Vel Total (ft/s)            1.49    Avg. Vel. (ft/s)            1.39       1.81       1.53
  Max Chl Dpth (ft)         188.60    Hydr. Depth (ft)         126.63     182.32     145.98
  Conv. Total (cfs)       165637900.0    Conv. (cfs)           70061900.0   20246580.0   75329420.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2370.95     353.94    1999.82
  Min Ch El (ft)            571.26    Shear (lb/sq ft)            0.25       0.37       0.29
  Alpha                       1.02    Stream Power (lb/ft s)      0.34       0.66       0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2387.76     460.05    1830.13
  C & E Loss (ft)             0.00    Cum SA (acres)             13.51       1.97      10.81


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5341.76*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  684.36   97.03  683.72  256.94  675.43  449.64  666.46  481.75  663.79
  485.17  663.62  824.79  662.02  970.34  643.76  970.34  626.18  995.62  626.06
 1027.74  623.64 1140.15  623.64 1156.21  622.67 1212.93  618.71 1284.68  616.73
 1309.96  616.27 1358.48  613.64 1413.15  611.66 1541.61  608.82 1601.06  606.13
  2280.3  590.33 2389.39  571.24 2511.36  571.24 2582.27  582.79 2629.54  590.33
 3034.64  602.64 3196.67  607.91 3409.51  607.91 3412.72  607.92 3628.77  600.82
 3682.78  601.02  3734.5   599.7 3929.49  593.99 3952.84  592.87 3994.49  598.44
 4124.49  618.24 4254.48  639.26 4416.98  676.13 4546.97  695.94

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  2280.3     .15 2629.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2280.3 2629.54            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       289299.20   63696.78   279926.60
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            289299.20   63696.78   279926.60
  Q Total (cfs)           944490.80    Flow (cfs)             401675.90   115073.80   427741.10
  Top Width (ft)           4546.97    Top Width (ft)           2280.30     349.24    1917.43
  Vel Total (ft/s)            1.49    Avg. Vel. (ft/s)            1.39       1.81       1.53
  Max Chl Dpth (ft)         188.61    Hydr. Depth (ft)         126.87     182.39     145.99
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  Conv. Total (cfs)       165553900.0    Conv. (cfs)            70407260.0   20170560.0   74976060.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2375.73     352.43    1991.05
  Min Ch El (ft)            571.24    Shear (lb/sq ft)            0.25       0.37       0.29
  Alpha                       1.02    Stream Power (lb/ft s)      0.34       0.66       0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2288.53     438.11    1733.71
  C & E Loss (ft)             0.00    Cum SA (acres)             12.73       1.85      10.15


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5326.77*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  684.09   97.22  683.49  257.43   675.2   450.5  666.17  482.67  663.57
   486.1  663.39  826.37  661.89   972.2  643.52   972.2  625.79  997.53  625.68
 1029.71  623.41 1142.33  623.41 1158.42  622.43 1215.24  618.48 1287.13  616.53
 1312.46  616.07 1361.07  613.41 1415.84  611.41 1544.56  608.42 1604.12  605.75
 2284.66  590.25 2393.18  571.23 2515.34  571.23 2585.57  582.73 2632.39  590.25
  3035.6  602.66 3196.88  607.98 3408.73  607.98 3411.92  607.99 3626.97  600.77
 3680.73  600.96 3732.21  599.61  3926.3  593.85 3949.54  592.75    3991  598.42
 4120.39   618.4 4249.78  639.51 4411.52  675.84 4540.91  695.82

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2284.66     .15 2632.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2284.66 2632.39             14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       290387.90   63439.89   278641.60
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            290387.90   63439.89   278641.60
  Q Total (cfs)           944490.80    Flow (cfs)             403862.80   114687.10   425941.00
  Top Width (ft)           4540.91    Top Width (ft)          2284.66     347.73    1908.52
  Vel Total (ft/s)            1.49    Avg. Vel. (ft/s)           1.39       1.81       1.53
  Max Chl Dpth (ft)         188.62    Hydr. Depth (ft)         127.10     182.44     146.00
  Conv. Total (cfs)       165470000.0    Conv. (cfs)            70754710.0   20092600.0   74622700.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2380.50     350.92    1982.28
  Min Ch El (ft)            571.23    Shear (lb/sq ft)            0.25       0.37       0.29
  Alpha                       1.02    Stream Power (lb/ft s)      0.35       0.66       0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2188.92     416.27    1637.73
  C & E Loss (ft)             0.00    Cum SA (acres)             11.95       1.73       9.49


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5311.79*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  683.82    97.4  683.26  257.92  674.97  451.35  665.88  483.59  663.34
  487.02  663.17  827.94  661.77  974.05  643.29  974.05  625.41  999.43   625.3
 1031.67  623.18 1144.51  623.18 1160.63   622.2 1217.56  618.24 1289.59  616.33
 1314.97  615.86 1363.67  613.18 1418.54  611.17  1547.5  608.02 1607.18  605.36
 2289.01  590.17 2396.97  571.21 2519.32  571.21 2588.86  582.67 2635.23  590.17
 3036.56  602.68 3197.09  608.05 3407.95  608.05 3411.13  608.06 3625.17  600.72
 3678.68  600.89 3729.92  599.52 3923.11  593.71 3946.23  592.63  3987.5  598.41
 4116.29  618.56 4245.08  639.76 4406.06  675.55 4534.85   695.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2289.01     .15 2635.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2289.01 2635.23             14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       291476.00   63184.90   277357.50
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            291476.00   63184.90   277357.50
  Q Total (cfs)           944490.80    Flow (cfs)             406049.90   114304.30   424136.60
  Top Width (ft)           4534.85    Top Width (ft)          2289.01     346.22    1899.62
  Vel Total (ft/s)            1.49    Avg. Vel. (ft/s)           1.39       1.81       1.53
  Max Chl Dpth (ft)         188.64    Hydr. Depth (ft)         127.34     182.50     146.01
  Conv. Total (cfs)       165387300.0    Conv. (cfs)            71102330.0   20015520.0   74269430.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2385.27     349.41    1973.52
  Min Ch El (ft)            571.21    Shear (lb/sq ft)            0.25       0.37       0.29
  Alpha                       1.02    Stream Power (lb/ft s)      0.35       0.67       0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2088.94     394.51    1542.19
  C & E Loss (ft)             0.00    Cum SA (acres)             11.16       1.61       8.84


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5296.80*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
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       0  683.55   97.59  683.02  258.41  674.74  452.21  665.59  484.51  663.11
  487.95  662.94  829.52  661.64   975.9  643.05   975.9  625.02 1001.33  624.92
 1033.63  622.95 1146.69  622.95 1162.84  621.96 1219.88  618.01 1292.04  616.13
 1317.47  615.66 1366.26  612.95 1421.24  610.92 1550.45  607.63 1610.24  604.98
 2293.37  590.08 2400.76   571.2 2523.29   571.2 2592.16  582.61 2638.07  590.08
 3037.52   602.7  3197.3  608.11 3407.17  608.11 3410.33  608.12 3623.37  600.66
 3676.63  600.83 3727.64  599.43 3919.91  593.57 3942.93  592.52    3984   598.4
 4112.19  618.71 4240.37  640.01  4400.6  675.26 4528.79  695.58

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2293.37     .15 2638.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2293.37 2638.07            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       292572.90   62926.65   276080.80
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            292572.90   62926.65   276080.80
  Q Total (cfs)           944490.80    Flow (cfs)             408245.60   113910.90   422334.30
  Top Width (ft)           4528.79    Top Width (ft)           2293.37     344.70    1890.72
  Vel Total (ft/s)            1.50    Avg. Vel. (ft/s)            1.40       1.81       1.53
  Max Chl Dpth (ft)         188.65    Hydr. Depth (ft)          127.57     182.55     146.02
  Conv. Total (cfs)       165310300.0    Conv. (cfs)            71453540.0   19937350.0   73919420.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2390.04     347.89    1964.76
  Min Ch El (ft)            571.20    Shear (lb/sq ft)            0.25       0.37       0.29
  Alpha                       1.02    Stream Power (lb/ft s)      0.35       0.67       0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1988.58     372.84    1447.09
  C & E Loss (ft)             0.00    Cum SA (acres)             10.37       1.50       8.19


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5281.82*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  683.27   97.78  682.79   258.9  674.51  453.07   665.3  485.44  662.89
  488.88  662.72  831.09  661.51  977.76  642.82  977.76  624.63 1003.23  624.55
  1035.6  622.73 1148.86  622.73 1165.04  621.72 1222.19  617.78 1294.49  615.93
 1319.97  615.45 1368.86  612.73 1423.94  610.68 1553.39  607.23  1613.3   604.6
 2297.73     590 2404.54  571.18 2527.27  571.18 2595.45  582.55 2640.91     590
 3038.48  602.73  3197.5  608.18 3406.39  608.18 3409.54  608.19 3621.58  600.61
 3674.58  600.76 3725.35  599.34 3916.72  593.43 3939.63   592.4 3980.51  598.38
 4108.09  618.87 4235.67  640.27 4395.15  674.97 4522.73  695.45

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2297.73     .15 2640.91     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2297.73 2640.91            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       293663.20   62669.64   274794.00
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            293663.20   62669.64   274794.00
  Q Total (cfs)           944490.80    Flow (cfs)             410445.00   113524.30   420521.50
  Top Width (ft)           4522.73    Top Width (ft)           2297.73     343.18    1881.82
  Vel Total (ft/s)            1.50    Avg. Vel. (ft/s)            1.40       1.81       1.53
  Max Chl Dpth (ft)         188.67    Hydr. Depth (ft)          127.81     182.61     146.03
  Conv. Total (cfs)       165226100.0    Conv. (cfs)            71801880.0   19859560.0   73564630.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2394.84     346.37    1956.01
  Min Ch El (ft)            571.18    Shear (lb/sq ft)            0.25       0.37       0.29
  Alpha                       1.02    Stream Power (lb/ft s)      0.35       0.67       0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1887.84     351.26    1352.43
  C & E Loss (ft)             0.00    Cum SA (acres)              9.58       1.38       7.54


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5266.83*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     683   97.96  682.56  259.39  674.28  453.93  665.01  486.36  662.66
   489.8  662.49  832.67  661.39  979.61  642.58  979.61  624.25 1005.13  624.17
 1037.56   622.5 1151.04   622.5 1167.25  621.49 1224.51  617.55 1296.95  615.73
 1322.47  615.25 1371.45   612.5 1426.64  610.43 1556.34  606.83 1616.36  604.21
 2302.08  589.92 2408.33  571.17 2531.25  571.17 2598.75  582.48 2643.75  589.92
 3039.44  602.75 3197.71  608.25 3405.61  608.25 3408.74  608.26 3619.78  600.56
 3672.54   600.7 3723.06  599.25 3913.52   593.3 3936.33  592.28 3977.01  598.37
 4103.99  619.03 4230.97  640.52 4389.69  674.68 4516.67  695.33

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2302.08     .15 2643.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2302.08 2643.75            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
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  W.S. Elev (ft)            759.85    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       294759.60   62412.72   273507.90
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            294759.60   62412.72   273507.90
  Q Total (cfs)           944490.80    Flow (cfs)              412657.20   113133.70   418700.00
  Top Width (ft)           4516.67    Top Width (ft)           2302.08     341.67    1872.92
  Vel Total (ft/s)            1.50    Avg. Vel. (ft/s)            1.40       1.81       1.53
  Max Chl Dpth (ft)         188.68    Hydr. Depth (ft)          128.04     182.67     146.03
  Conv. Total (cfs)       165145500.0    Conv. (cfs)            72153680.0   19781580.0   73210270.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2399.60     344.86    1947.25
  Min Ch El (ft)            571.17    Shear (lb/sq ft)            0.25       0.37       0.29
  Alpha                       1.02    Stream Power (lb/ft s)      0.35       0.67       0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1786.73     329.77    1258.22
  C & E Loss (ft)             0.00    Cum SA (acres)              8.79       1.26       6.90


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5251.85*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  682.73   98.15  682.33  259.88  674.05  454.79  664.72  487.28  662.44
  490.73  662.26  834.24  661.26  981.46  642.35  981.46  623.86 1007.04  623.79
 1039.52  622.27 1153.22  622.27 1169.46  621.25 1226.83  617.32  1299.4  615.53
 1324.98  615.05 1374.05  612.27 1429.34  610.19 1559.28  606.43 1619.41  603.83
 2306.44  589.83 2412.12  571.15 2535.23  571.15 2602.04  582.42 2646.59  589.83
  3040.4  602.77 3197.92  608.32 3404.83  608.32 3407.95  608.33 3617.98  600.51
 3670.49  600.64 3720.77  599.16 3910.33  593.16 3933.02  592.17 3973.52  598.36
 4099.89  619.18 4226.27  640.77 4384.23  674.38 4510.61  695.21

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2306.44     .15 2646.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2306.44 2646.59            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       295860.70   62156.07   272227.10
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            295860.70   62156.07   272227.10
  Q Total (cfs)           944490.80    Flow (cfs)              414869.30   112742.50   416878.90
  Top Width (ft)           4510.61    Top Width (ft)           2306.44     340.15    1864.02
  Vel Total (ft/s)            1.50    Avg. Vel. (ft/s)            1.40       1.81       1.53
  Max Chl Dpth (ft)         188.70    Hydr. Depth (ft)          128.28     182.73     146.04
  Conv. Total (cfs)       165069400.0    Conv. (cfs)            72507050.0   19704100.0   72858270.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2404.38     343.34    1938.50
  Min Ch El (ft)            571.15    Shear (lb/sq ft)            0.25       0.37       0.29
  Alpha                       1.02    Stream Power (lb/ft s)      0.35       0.67       0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1685.25     308.36    1164.44
  C & E Loss (ft)             0.00    Cum SA (acres)              8.00       1.14       6.25


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5236.86*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  682.45   98.33  682.09  260.37  673.82  455.65  664.43   488.2  662.21
  491.66  662.04  835.82  661.14  983.32  642.11  983.32  623.48 1008.94  623.41
 1041.48  622.05  1155.4  622.05 1171.67  621.02 1229.15  617.09 1301.86  615.33
 1327.48  614.84 1376.64  612.05 1432.04  609.95 1562.23  606.03 1622.47  603.45
 2310.79  589.75 2415.91  571.14  2539.2  571.14 2605.34  582.36 2649.43  589.75
 3041.36   602.8 3198.13  608.39 3404.05  608.39 3407.15  608.39 3616.18  600.46
 3668.44  600.57 3718.48  599.08 3907.14  593.02 3929.72  592.05 3970.02  598.34
 4095.79  619.34 4221.56  641.02 4378.78  674.09 4504.55  695.09

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2310.79     .15 2649.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2310.79 2649.43            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       296954.80   61898.16   270940.30
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            296954.80   61898.16   270940.30
  Q Total (cfs)           944490.80    Flow (cfs)              417086.10   112349.30   415055.40
  Top Width (ft)           4504.55    Top Width (ft)           2310.79     338.64    1855.12
  Vel Total (ft/s)            1.50    Avg. Vel. (ft/s)            1.40       1.82       1.53
  Max Chl Dpth (ft)         188.71    Hydr. Depth (ft)          128.51     182.78     146.05
  Conv. Total (cfs)       164987200.0    Conv. (cfs)            72858170.0   19625600.0   72503440.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2409.15     341.83    1929.75
  Min Ch El (ft)            571.14    Shear (lb/sq ft)            0.25       0.37       0.29
  Alpha                       1.02    Stream Power (lb/ft s)      0.35       0.67       0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1583.38     287.04    1071.11
  C & E Loss (ft)             0.00    Cum SA (acres)              7.21       1.03       5.61


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5221.88*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  682.18   98.52  681.86  260.86  673.59  456.51  664.14  489.12  661.98
  492.59  661.81  837.39  661.01  985.17  641.88  985.17  623.09 1010.84  623.03
 1043.45  621.82 1157.58  621.82 1173.88  620.78 1231.46  616.85 1304.31  615.13
 1329.98  614.64 1379.24  611.82 1434.74   609.7 1565.17  605.64 1625.53  603.07
 2315.15  589.67  2419.7  571.12 2543.18  571.12 2608.64   582.3 2652.27  589.67
 3042.32  602.82 3198.34  608.45 3403.27  608.45 3406.36  608.46 3614.38  600.41
 3666.39  600.51 3716.19  598.99 3903.94  592.88 3926.42  591.93 3966.53  598.33
 4091.69   619.5 4216.86  641.28 4373.32   673.8 4498.49  694.97

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2315.15     .15 2652.27     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2315.15 2652.27            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       298057.30   61640.53   269656.50
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            298057.30   61640.53   269656.50
  Q Total (cfs)           944490.80    Flow (cfs)             419311.20   111954.50   413225.10
  Top Width (ft)           4498.49    Top Width (ft)           2315.15     337.12    1846.22
  Vel Total (ft/s)            1.50    Avg. Vel. (ft/s)            1.41       1.82       1.53
  Max Chl Dpth (ft)         188.73    Hydr. Depth (ft)          128.74     182.84     146.06
  Conv. Total (cfs)       164909900.0    Conv. (cfs)            73212530.0   19547470.0   72149890.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2413.94     340.32    1921.01
  Min Ch El (ft)            571.12    Shear (lb/sq ft)            0.25       0.37       0.29
  Alpha                       1.02    Stream Power (lb/ft s)      0.36       0.67       0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1481.14     265.82     978.22
  C & E Loss (ft)             0.00    Cum SA (acres)              6.41       0.91       4.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5206.89*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  681.91    98.7  681.63  261.35  673.36  457.37  663.86  490.04  661.76
  493.51  661.58  838.97  660.88  987.02  641.64  987.02   622.7 1012.74  622.65
 1045.41  621.59 1159.75  621.59 1176.09  620.55 1233.78  616.62 1306.76  614.93
 1332.48  614.43 1381.83  611.59 1437.44  609.46 1568.12  605.24 1628.59  602.68
 2319.51  589.58 2423.48  571.11 2547.16  571.11 2611.93  582.23 2655.11  589.58
 3043.28  602.84 3198.54  608.52 3402.49  608.52 3405.56  608.53 3612.59  600.36
 3664.34  600.45  3713.9   598.9 3900.75  592.74 3923.12  591.82 3963.03  598.32
 4087.59  619.66 4212.16  641.53 4367.86  673.51 4492.43  694.85

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2319.51     .15 2655.11     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2319.51 2655.11            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       299167.70   61381.88   268372.40
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            299167.70   61381.88   268372.40
  Q Total (cfs)           944490.80    Flow (cfs)             421551.10   111555.50   411384.20
  Top Width (ft)           4492.43    Top Width (ft)           2319.51     335.60    1837.32
  Vel Total (ft/s)            1.50    Avg. Vel. (ft/s)            1.41       1.82       1.53
  Max Chl Dpth (ft)         188.74    Hydr. Depth (ft)          128.98     182.90     146.07
  Conv. Total (cfs)       164835800.0    Conv. (cfs)            73570550.0   19469050.0   71796180.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2418.73     338.80    1912.27
  Min Ch El (ft)            571.11    Shear (lb/sq ft)            0.25       0.37       0.29
  Alpha                       1.02    Stream Power (lb/ft s)      0.36       0.67       0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1378.52     244.68     885.77
  C & E Loss (ft)             0.00    Cum SA (acres)              5.62       0.79       4.34


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5191.91*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  681.64    98.89   681.4  261.84  673.14  458.23  663.57  490.96  661.53
  494.44  661.36  840.55  660.76  988.88  641.41  988.88  622.32 1014.64  622.27
 1047.37  621.36 1161.93  621.36  1178.3  620.31  1236.1  616.39 1309.22  614.72
 1334.99  614.23 1384.43  611.36 1440.14  609.21 1571.06  604.84 1631.65   602.3
 2323.86   589.5 2427.27  571.09 2551.14  571.09 2615.23  582.17 2657.95   589.5
 3044.24  602.86 3198.75  608.59 3401.71  608.59 3404.77   608.6 3610.79  600.31
 3662.29  600.38 3711.61  598.81 3897.55  592.61 3919.81   591.7 3959.53   598.3
 4083.49  619.81 4207.45  641.78  4362.4  673.22 4486.36  694.73

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2323.86     .15 2657.95     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2323.86 2657.95            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       300266.80   61125.61   267087.20
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            300266.80   61125.61   267087.20
  Q Total (cfs)           944490.80    Flow (cfs)             423779.10   111162.40   409549.30
  Top Width (ft)           4486.36    Top Width (ft)           2323.86     334.09    1828.41
  Vel Total (ft/s)            1.50    Avg. Vel. (ft/s)            1.41       1.82       1.53
  Max Chl Dpth (ft)         188.76    Hydr. Depth (ft)          129.21     182.96     146.08
  Conv. Total (cfs)       164757700.0    Conv. (cfs)           73924380.0   19391270.0   71442100.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2423.50     337.29    1903.52
  Min Ch El (ft)            571.09    Shear (lb/sq ft)            0.25       0.37       0.29
  Alpha                       1.02    Stream Power (lb/ft s)      0.36       0.68       0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1275.52     223.63     793.76
  C & E Loss (ft)             0.00    Cum SA (acres)              4.82       0.68       3.72


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5176.92*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  681.36   99.07  681.16  262.33  672.91  459.09  663.28  491.88  661.31
  495.37  661.13  842.12  660.63  990.73  641.17  990.73  621.93 1016.55  621.89
 1049.34  621.14 1164.11  621.14 1180.51  620.07 1238.41  616.16 1311.67  614.52
 1337.49  614.02 1387.02  611.14 1442.84  608.97 1574.01  604.44 1634.71  601.92
 2328.22  589.42 2431.06  571.08 2555.11  571.08 2618.52  582.11 2660.79  589.42
  3045.2  602.89 3198.96  608.66 3400.93  608.66 3403.97  608.66 3608.99  600.26
 3660.24  600.32 3709.33  598.72 3894.36  592.47 3916.51  591.58 3956.04  598.29
  4079.4  619.97 4202.75  642.03 4356.95  672.92  4480.3  694.61

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2328.22     .15 2660.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2328.22 2660.79            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       301375.70   60865.25   265801.60
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            301375.70   60865.25   265801.60
  Q Total (cfs)           944490.80    Flow (cfs)             426026.80   110758.30   407705.70
  Top Width (ft)           4480.30    Top Width (ft)           2328.22     332.57    1819.51
  Vel Total (ft/s)            1.50    Avg. Vel. (ft/s)            1.41       1.82       1.53
  Max Chl Dpth (ft)         188.77    Hydr. Depth (ft)          129.44     183.01     146.08
  Conv. Total (cfs)       164681400.0    Conv. (cfs)           74282000.0   19311820.0   71087540.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2428.29     335.77    1894.78
  Min Ch El (ft)            571.08    Shear (lb/sq ft)            0.25       0.37       0.29
  Alpha                       1.02    Stream Power (lb/ft s)      0.36       0.68       0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1172.13     202.66     702.19
  C & E Loss (ft)             0.00    Cum SA (acres)              4.02       0.56       3.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5161.94*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  681.09   99.26  680.93  262.83  672.68  459.94  662.99   492.8  661.08
  496.29  660.91   843.7   660.5  992.59  640.94  992.59  621.55 1018.45  621.52
  1051.3  620.91 1166.29  620.91 1182.71  619.84 1240.73  615.93 1314.13  614.32
 1339.99  613.82 1389.62  610.91 1445.54  608.72 1576.95  604.04 1637.77  601.53
 2332.57  589.33 2434.85  571.06 2559.09  571.06 2621.82  582.05 2663.64  589.33
 3046.16  602.91 3199.17  608.73 3400.15  608.73 3403.18  608.73 3607.19   600.2
  3658.2  600.25 3707.04  598.63 3891.17  592.33 3913.21  591.47 3952.54  598.28
  4075.3  620.13 4198.05  642.28 4351.49  672.63 4474.24  694.48

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2332.57     .15 2663.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2332.57 2663.64            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       302489.30   60611.13   264517.90
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            302489.30   60611.13   264517.90
  Q Total (cfs)           944490.80    Flow (cfs)             428275.70   110364.50   405850.70
  Top Width (ft)           4474.24    Top Width (ft)           2332.57     331.07    1810.60
  Vel Total (ft/s)            1.50    Avg. Vel. (ft/s)            1.42       1.82       1.53
  Max Chl Dpth (ft)         188.79    Hydr. Depth (ft)          129.68     183.08     146.09
  Conv. Total (cfs)       164610900.0    Conv. (cfs)           74642180.0   19234910.0   70733820.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2433.07     334.27    1886.05
  Min Ch El (ft)            571.06    Shear (lb/sq ft)            0.26       0.37       0.29
  Alpha                       1.02    Stream Power (lb/ft s)      0.36       0.68       0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1068.37     181.79     611.06
  C & E Loss (ft)             0.00    Cum SA (acres)              3.22       0.45       2.46
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5146.95*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  680.82   99.44   680.7  263.32  672.45   460.8   662.7  493.72  660.85
  497.22  660.68  845.27  660.38  994.44   640.7  994.44  621.16 1020.35  621.14
 1053.26  620.68 1168.47  620.68 1184.92   619.6 1243.05   615.7 1316.58  614.12
 1342.49  613.61 1392.21  610.68 1448.24  608.48  1579.9  603.65 1640.82  601.15
 2336.93  589.25 2438.64  571.05 2563.07  571.05 2625.11  581.99 2666.48  589.25
 3047.12  602.93 3199.38   608.8 3399.37   608.8 3402.39   608.8 3605.39  600.15
 3656.15  600.19 3704.75  598.54 3887.97  592.19 3909.91  591.35 3949.05  598.26
  4071.2  620.29 4193.35  642.54 4346.03  672.34 4468.18  694.36

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2336.93     .15 2666.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2336.93 2666.48            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       303599.00   60350.50   263231.30
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            303599.00   60350.50   263231.30
  Q Total (cfs)           944490.80    Flow (cfs)             430532.50   109958.60   403999.80
  Top Width (ft)           4468.18    Top Width (ft)           2336.93     329.55    1801.70
  Vel Total (ft/s)            1.51    Avg. Vel. (ft/s)            1.42       1.82       1.53
  Max Chl Dpth (ft)         188.80    Hydr. Depth (ft)          129.91     183.13     146.10
  Conv. Total (cfs)       164534700.0    Conv. (cfs)            75000770.0   19155300.0   70378640.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2437.86     332.76    1877.32
  Min Ch El (ft)            571.05    Shear (lb/sq ft)            0.26       0.37       0.29
  Alpha                       1.02    Stream Power (lb/ft s)      0.36       0.68       0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      964.23     161.01     520.38
  C & E Loss (ft)             0.00    Cum SA (acres)              2.42       0.34       1.84


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5131.97*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  680.55   99.63  680.47  263.81  672.22  461.66  662.41  494.64  660.63
  498.15  660.45  846.85  660.25  996.29  640.47  996.29  620.77 1022.25  620.76
 1055.23  620.45 1170.64  620.45 1187.13  619.37 1245.37  615.46 1319.03  613.92
 1344.99  613.41 1394.81  610.45 1450.94  608.24 1582.84  603.25 1643.88  600.77
 2341.29  589.17 2442.42  571.03 2567.04  571.03 2628.41  581.92 2669.32  589.17
 3048.08  602.95 3199.58  608.86 3398.59  608.86 3401.59  608.87  3603.6   600.1
  3654.1  600.13 3702.46  598.45 3884.78  592.05 3906.61  591.23 3945.55  598.25
  4067.1  620.44 4188.64  642.79 4340.58  672.05 4462.12  694.24

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2341.29     .15 2669.32     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2341.29 2669.32            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       304713.20   60092.36   261948.90
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            304713.20   60092.36   261948.90
  Q Total (cfs)           944490.80    Flow (cfs)             432789.30   109555.90   402145.60
  Top Width (ft)           4462.12    Top Width (ft)           2341.29     328.03    1792.80
  Vel Total (ft/s)            1.51    Avg. Vel. (ft/s)            1.42       1.82       1.54
  Max Chl Dpth (ft)         188.82    Hydr. Depth (ft)          130.15     183.19     146.11
  Conv. Total (cfs)       164463300.0    Conv. (cfs)            75361210.0   19076880.0   70025260.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2442.66     331.24    1868.60
  Min Ch El (ft)            571.03    Shear (lb/sq ft)            0.26       0.37       0.29
  Alpha                       1.02    Stream Power (lb/ft s)      0.36       0.68       0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      859.70     140.31     430.14
  C & E Loss (ft)             0.00    Cum SA (acres)              1.61       0.22       1.23


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5116.98*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  680.27   99.81  680.23   264.3  671.99  462.52  662.12  495.56   660.4
  499.07  660.23  848.42  660.13  998.15  640.23  998.15  620.39 1024.15  620.38
 1057.19  620.23 1172.82  620.23 1189.34  619.13 1247.68  615.23 1321.49  613.72
  1347.5   613.2  1397.4  610.23 1453.64  607.99 1585.79  602.85 1646.94  600.38
 2345.64  589.08 2446.21  571.02 2571.02  571.02  2631.7  581.86 2672.16  589.08
 3049.04  602.98 3199.79  608.93 3397.81  608.93  3400.8  608.93  3601.8  600.05
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 3652.05  600.06 3700.17  598.37 3881.58  591.92  3903.3  591.12 3942.06  598.23
    4063   620.6 4183.94  643.04 4335.12  671.76 4456.06  694.12

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2345.64     .15 2672.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2345.64 2672.16            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       305832.20   59833.87   260661.60
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            305832.20   59833.87   260661.60
  Q Total (cfs)           944490.80    Flow (cfs)             435062.70   109151.10   400277.00
  Top Width (ft)           4456.06    Top Width (ft)           2345.64     326.52    1783.90
  Vel Total (ft/s)            1.51    Avg. Vel. (ft/s)            1.42       1.82       1.54
  Max Chl Dpth (ft)         188.83    Hydr. Depth (ft)          130.38     183.25     146.12
  Conv. Total (cfs)       164392100.0    Conv. (cfs)           75724280.0   18998150.0   69669690.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2447.44     329.73    1859.87
  Min Ch El (ft)            571.02    Shear (lb/sq ft)            0.26       0.37       0.29
  Alpha                       1.02    Stream Power (lb/ft s)      0.37       0.68       0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      754.79     119.70     340.33
  C & E Loss (ft)             0.00    Cum SA (acres)              0.81       0.11       0.61


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5102

INPUT
Description:
Station Elevation Data    num=      22
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     100     680     500     660     850     660    1000     640
    1000     620    1175     620    1250     615    1350     613    1400     610
    1650     600    2350     589    2450     571    2575     571    2675     589
    3050     603    3200     609    3400     609    3600     600    3650     600
    3900     591    4450     694

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2350     .15    2675     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2350    2675                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.85    Reach Len. (ft)            75.00      75.00      75.00
  Crit W.S. (ft)                      Flow Area (sq ft)       306949.90   59574.85   259376.10
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            306949.90   59574.85   259376.10
  Q Total (cfs)           944490.80    Flow (cfs)             437334.70   108745.10   398411.10
  Top Width (ft)           4450.00    Top Width (ft)           2350.00     325.00    1775.00
  Vel Total (ft/s)            1.51    Avg. Vel. (ft/s)            1.42       1.83       1.54
  Max Chl Dpth (ft)         188.85    Hydr. Depth (ft)          130.62     183.31     146.13
  Conv. Total (cfs)       164320600.0    Conv. (cfs)           76086620.0   18919250.0   69314770.0
  Length Wtd. (ft)           75.00    Wetted Per. (ft)         2452.24     328.21    1851.15
  Min Ch El (ft)            571.00    Shear (lb/sq ft)            0.26       0.37       0.29
  Alpha                       1.02    Stream Power (lb/ft s)      0.37       0.68       0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      649.49      99.18     250.98
  C & E Loss (ft)             0.00    Cum SA (acres)

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3838

INPUT
Description:
Station Elevation Data    num=      18
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175     680     500     660     700     660    1000     650
    1250     630    1350     630    1475     620    1950     620    2025     619
    2600     600    3000     600    3400     590    3500     568    3650     568
    3700     600    3900     710    4150     720

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3700     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3700            98.77   98.77   98.77             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.87    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.08    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)            98.77      98.77      98.77
  Crit W.S. (ft)                      Flow Area (sq ft)       447498.60   55638.11   32157.17
  E.G. Slope (ft/ft)      0.000077    Area (sq ft)            447498.60   55638.11   32157.17
  Q Total (cfs)           1188283.00    Flow (cfs)             991071.10   153379.70   43832.27
  Top Width (ft)           4150.00    Top Width (ft)           3400.00     300.00     450.00
  Vel Total (ft/s)            2.22    Avg. Vel. (ft/s)            2.21       2.76       1.36
  Max Chl Dpth (ft)         191.79    Hydr. Depth (ft)          131.62     185.46      71.46
  Conv. Total (cfs)       135353000.0    Conv. (cfs)           112889300.0   17470920.0   4992773.0
  Length Wtd. (ft)           98.77    Wetted Per. (ft)         3482.22     311.75     518.25
  Min Ch El (ft)            568.00    Shear (lb/sq ft)            0.62       0.86       0.30
  Alpha                       1.04    Stream Power (lb/ft s)      1.37       2.37       0.41
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    36586.88    5360.19    9042.98
  C & E Loss (ft)             0.00    Cum SA (acres)            232.18      27.84      92.84
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3739.53*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.38     500  659.76     650  659.23     700  658.82
     950  649.08    1000  647.33    1100  639.54    1250  628.46    1350  628.46
    1475  619.23    1950  619.23    2025  618.31    2300  609.92    2600  600.56
    3000  600.29    3200  595.54    3400  590.77 3453.85  579.46 3507.69  567.92
 3653.85  567.92 3707.69     600 3754.95  627.14 3928.21  710.03 3991.21  713.26
 4085.71  717.58 4180.22  720.75 4203.85  721.92

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3707.69     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3707.69            98.77   98.77   98.77             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.87    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.08    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.79    Reach Len. (ft)            98.77      98.77      98.77
  Crit W.S. (ft)                      Flow Area (sq ft)       449297.60   56935.42   34685.42
  E.G. Slope (ft/ft)      0.000075    Area (sq ft)            449297.60   56935.42   34685.42
  Q Total (cfs)           1188283.00    Flow (cfs)             986411.30   155205.40   46666.29
  Top Width (ft)           4203.85    Top Width (ft)           3400.00     307.69     496.16
  Vel Total (ft/s)            2.20    Avg. Vel. (ft/s)            2.20       2.73       1.35
  Max Chl Dpth (ft)         191.87    Hydr. Depth (ft)          132.15     185.04      69.91
  Conv. Total (cfs)       136909200.0    Conv. (cfs)            113650400.0   17882150.0   5376705.0
  Length Wtd. (ft)           98.77    Wetted Per. (ft)         3482.05     318.92     560.34
  Min Ch El (ft)            567.92    Shear (lb/sq ft)            0.61       0.84       0.29
  Alpha                       1.04    Stream Power (lb/ft s)      1.33       2.29       0.39
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    35570.16    5232.56    8967.20
  C & E Loss (ft)             0.00    Cum SA (acres)            224.47      27.15      91.76


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3641.07*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.76     500  659.53     650  658.46     700  657.64
     950  646.49    1000  644.67    1100  637.08    1250  626.92    1350  626.92
    1475  618.46    1950  618.46    2025  617.62    2300  609.93    2600  601.13
    3000  600.58    3200  596.08    3400  591.54 3457.69  579.92 3515.38  567.85
 3657.69  567.85 3715.38     600 3767.03  630.71 3956.41  710.05 4025.27  714.24
 4128.57  719.45 4231.87  722.35 4257.69  723.85

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3715.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3715.38            98.77   98.77   98.77             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.86    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.08    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.78    Reach Len. (ft)            98.77      98.77      98.77
  Crit W.S. (ft)                      Flow Area (sq ft)       451090.00   58224.13   37069.33
  E.G. Slope (ft/ft)      0.000074    Area (sq ft)            451090.00   58224.13   37069.33
  Q Total (cfs)           1188283.00    Flow (cfs)             982188.90   156988.90   49105.21
  Top Width (ft)           4257.69    Top Width (ft)           3400.00     315.38     542.31
  Vel Total (ft/s)            2.17    Avg. Vel. (ft/s)            2.18       2.70       1.32
  Max Chl Dpth (ft)         191.93    Hydr. Depth (ft)          132.67     184.62      68.35
  Conv. Total (cfs)       138416900.0    Conv. (cfs)            114410100.0   18286830.0   5720013.0
  Length Wtd. (ft)           98.77    Wetted Per. (ft)         3481.91     326.14     602.97
  Min Ch El (ft)            567.85    Shear (lb/sq ft)            0.60       0.82       0.28
  Alpha                       1.05    Stream Power (lb/ft s)      1.30       2.21       0.37
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    34549.38    5102.00    8885.85
  C & E Loss (ft)             0.00    Cum SA (acres)            216.76      26.44      90.59


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3542.61*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.14     500  659.29     650  657.69     700  656.46
     950   643.9    1000     642    1100  634.62    1250  625.38    1350  625.38
    1475  617.69    1950  617.69    2025  616.92    2300  609.93    2600  601.69
    3000  600.87    3200  596.62    3400  592.31 3461.54  580.38 3523.08  567.77
 3661.54  567.77 3723.08     600 3779.12  634.29 3984.62  710.08 4059.34  715.22
 4171.43  721.32 4283.52  723.96 4311.54  725.77

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3723.08     .15
```

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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3723.08             98.77   98.77   98.77             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.85    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.08    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)            98.77      98.77      98.77
  Crit W.S. (ft)                      Flow Area (sq ft)       452893.80   59510.02   39306.61
  E.G. Slope (ft/ft)      0.000072    Area (sq ft)            452893.80   59510.02   39306.61
  Q Total (cfs)           1188283.00    Flow (cfs)              978377.10   158742.00   51163.93
  Top Width (ft)           4311.54    Top Width (ft)           3400.00     323.08     588.46
  Vel Total (ft/s)            2.15    Avg. Vel. (ft/s)            2.16       2.67       1.30
  Max Chl Dpth (ft)         192.00    Hydr. Depth (ft)          133.20     184.20      66.80
  Conv. Total (cfs)       139886500.0    Conv. (cfs)            115176100.0   18687360.0   6023099.0
  Length Wtd. (ft)           98.77    Wetted Per. (ft)         3481.80     333.43     646.09
  Min Ch El (ft)            567.77    Shear (lb/sq ft)            0.59       0.80       0.27
  Alpha                       1.05    Stream Power (lb/ft s)      1.27       2.14       0.36
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    33524.51    4968.52    8799.26
  C & E Loss (ft)             0.00    Cum SA (acres)            209.05      25.72      89.30


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3444.15*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.51     500  659.05     650  656.92     700  655.28
     950  641.31    1000  639.33    1100  632.15    1250  623.85    1350  623.85
    1475  616.92    1950  616.92    2025  616.23    2300  609.94    2600  602.26
    3000  601.16    3200  597.15    3400  593.08 3465.38  580.85 3530.77  567.69
 3665.38  567.69 3730.77     600 3791.21  637.86 4012.82   710.1 4093.41   716.2
 4214.29  723.19 4335.16  725.56 4365.38  727.69

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3730.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3730.77             98.77   98.77   98.77             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.84    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.77    Reach Len. (ft)            98.77      98.77      98.77
  Crit W.S. (ft)                      Flow Area (sq ft)       454693.50   60786.95   41404.50
  E.G. Slope (ft/ft)      0.000071    Area (sq ft)            454693.50   60786.95   41404.50
  Q Total (cfs)           1188283.00    Flow (cfs)              974940.60   160457.10   52885.22
  Top Width (ft)           4365.38    Top Width (ft)           3400.00     330.77     634.61
  Vel Total (ft/s)            2.13    Avg. Vel. (ft/s)            2.14       2.64       1.28
  Max Chl Dpth (ft)         192.08    Hydr. Depth (ft)          133.73     183.77      65.24
  Conv. Total (cfs)       141312700.0    Conv. (cfs)            115941600.0   19081840.0   6289203.0
  Length Wtd. (ft)           98.77    Wetted Per. (ft)         3481.72     340.76     689.57
  Min Ch El (ft)            567.69    Shear (lb/sq ft)            0.58       0.79       0.27
  Alpha                       1.05    Stream Power (lb/ft s)      1.24       2.08       0.34
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    32495.55    4832.14    8707.76
  C & E Loss (ft)             0.00    Cum SA (acres)            201.34      24.98      87.92


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3345.69*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.89     500  658.82     650  656.15     700  654.1
     950  638.72    1000  636.67    1100  629.69    1250  622.31    1350  622.31
    1475  616.15    1950  616.15    2025  615.54    2300  609.95    2600  602.82
    3000  601.45    3200  597.69    3400  593.85 3469.23  581.31 3538.46  567.62
 3669.23  567.62 3738.46     600  3803.3  641.43 4041.03  710.13 4127.47  717.18
 4257.14  725.05 4386.81  727.16 4419.23  729.62

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3738.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3738.46             98.77   98.77   98.77             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.84    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.76    Reach Len. (ft)            98.77      98.77      98.77
  Crit W.S. (ft)                      Flow Area (sq ft)       456490.20   62055.94   43359.32
  E.G. Slope (ft/ft)      0.000069    Area (sq ft)            456490.20   62055.94   43359.32
  Q Total (cfs)           1188283.00    Flow (cfs)              971860.00   162140.50   54282.55
  Top Width (ft)           4419.23    Top Width (ft)           3400.00     338.46     680.77
  Vel Total (ft/s)            2.11    Avg. Vel. (ft/s)            2.13       2.61       1.25
  Max Chl Dpth (ft)         192.14    Hydr. Depth (ft)          134.26     183.35      63.69
  Conv. Total (cfs)       142696800.0    Conv. (cfs)            116707300.0   19470890.0   6518604.0
  Length Wtd. (ft)           98.77    Wetted Per. (ft)         3481.67     348.13     733.38
  Min Ch El (ft)            567.62    Shear (lb/sq ft)            0.57       0.77       0.26
  Alpha                       1.05    Stream Power (lb/ft s)      1.21       2.02       0.32
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    31462.52    4692.87    8611.66
  C & E Loss (ft)             0.00    Cum SA (acres)            193.63      24.22      86.43


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3247.23*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.27     500  658.58     650  655.38     700  652.92
     950  636.13    1000     634    1100  627.23    1250  620.77    1350  620.77
    1475  615.38    1950  615.38    2025  614.85    2300  609.95    2600  603.38
    3000  601.74    3200  598.23    3400  594.62 3473.08  581.77 3546.15  567.54
 3673.08  567.54 3746.15     600 3815.38     645 4069.23  710.15 4161.54  718.15
    4300  726.92 4438.46  728.77 4473.08  731.54

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3746.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3746.15             98.77   98.77   98.77             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.83    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.76    Reach Len. (ft)            98.77      98.77      98.77
  Crit W.S. (ft)                      Flow Area (sq ft)       458293.10   63320.37   45170.78
  E.G. Slope (ft/ft)      0.000068    Area (sq ft)            458293.10   63320.37   45170.78
  Q Total (cfs)           1188283.00    Flow (cfs)              969109.80   163799.70   55373.45
  Top Width (ft)           4473.08    Top Width (ft)           3400.00     346.15     726.93
  Vel Total (ft/s)            2.10    Avg. Vel. (ft/s)            2.11       2.59       1.23
  Max Chl Dpth (ft)         192.22    Hydr. Depth (ft)          134.79     182.93      62.14
  Conv. Total (cfs)       144045500.0    Conv. (cfs)            117477000.0   19856050.0   6712453.0
  Length Wtd. (ft)           98.77    Wetted Per. (ft)         3481.65     355.53     777.46
  Min Ch El (ft)            567.54    Shear (lb/sq ft)            0.56       0.76       0.25
  Alpha                       1.06    Stream Power (lb/ft s)      1.18       1.96       0.30
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    30425.41    4550.73    8511.29
  C & E Loss (ft)             0.00    Cum SA (acres)            185.92      23.44      84.83


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3148.76*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.65     500  658.34     650  654.62     700  651.74
     950  633.54    1000  631.33    1100  624.77    1250  619.23    1350  619.23
    1475  614.62    1950  614.62    2025  614.15    2300  609.96    2600  603.95
    3000  602.03    3200  598.77    3400  595.38 3476.92  582.23 3553.85  567.46
 3676.92  567.46 3753.85     600 3827.47  648.57 4097.44  710.18  4195.6  719.13
 4342.86  728.79 4490.11  730.37 4526.92  733.46

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3753.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3753.85             98.77   98.77   98.77             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.82    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.75    Reach Len. (ft)            98.77      98.77      98.77
  Crit W.S. (ft)                      Flow Area (sq ft)       460086.10   64580.32   46836.14
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            460086.10   64580.32   46836.14
  Q Total (cfs)           1188283.00    Flow (cfs)              966662.60   165445.10   56175.36
  Top Width (ft)           4526.92    Top Width (ft)           3400.00     353.85     773.07
  Vel Total (ft/s)            2.08    Avg. Vel. (ft/s)            2.10       2.56       1.20
  Max Chl Dpth (ft)         192.29    Hydr. Depth (ft)          135.32     182.51      60.58
  Conv. Total (cfs)       145352700.0    Conv. (cfs)            118243700.0   20237510.0   6871461.0
  Length Wtd. (ft)           98.77    Wetted Per. (ft)         3481.66     362.97     821.74
  Min Ch El (ft)            567.46    Shear (lb/sq ft)            0.55       0.74       0.24
  Alpha                       1.06    Stream Power (lb/ft s)      1.16       1.90       0.29
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    29384.22    4405.72    8406.98
  C & E Loss (ft)             0.00    Cum SA (acres)            178.21      22.65      83.13


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3050.30*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.03     500  658.11     650  653.85     700  650.56
     950  630.95    1000  628.67    1100  622.31    1250  617.69    1350  617.69
    1475  613.85    1950  613.85    2025  613.46    2300  609.97    2600  604.51
    3000  602.32    3200  599.31    3400  596.15 3480.77  582.69 3561.54  567.38
 3680.77  567.38 3761.54     600 3839.56  652.14 4125.64  710.21 4229.67  720.11
 4385.71  730.66 4541.76  731.98 4580.77  735.38

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3761.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3761.54             98.77   98.77   98.77             .1       .3
```

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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.81    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.74    Reach Len. (ft)           98.77      98.77      98.77
  Crit W.S. (ft)                      Flow Area (sq ft)       461883.80   65831.64   48358.46
  E.G. Slope (ft/ft)      0.000066    Area (sq ft)            461883.80   65831.64   48358.46
  Q Total (cfs)          1188283.00    Flow (cfs)             964515.70   167058.80   56708.59
  Top Width (ft)          4580.77    Top Width (ft)           3400.00     361.54     819.23
  Vel Total (ft/s)           2.06    Avg. Vel. (ft/s)            2.09       2.54       1.17
  Max Chl Dpth (ft)        192.36    Hydr. Depth (ft)          135.85     182.09      59.03
  Conv. Total (cfs)      146624900.0    Conv. (cfs)           119013800.0   20613760.0   6997402.0
  Length Wtd. (ft)          98.77    Wetted Per. (ft)         3481.70     370.43     866.23
  Min Ch El (ft)           567.38    Shear (lb/sq ft)            0.54       0.73       0.23
  Alpha                      1.06    Stream Power (lb/ft s)      1.14       1.85       0.27
  Frctn Loss (ft)            0.01    Cum Volume (acre-ft)    28338.96    4257.87    8299.05
  C & E Loss (ft)            0.00    Cum SA (acres)            170.50      21.84      81.32


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2951.84*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.41     500  657.87     650  653.08     700  649.38
     950  628.36    1000     626    1100  619.85    1250  616.15    1350  616.15
    1475  613.08    1950  613.08    2025  612.77    2300  609.97    2600  605.08
    3000  602.62    3200  599.85    3400  596.92 3484.62  583.15 3569.23  567.31
 3684.62  567.31 3769.23     600 3851.65  655.71 4153.85  710.23 4263.74  721.09
 4428.57  732.53 4593.41  733.58 4634.62  737.31

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3769.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3769.23             98.77   98.77   98.77             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.81    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.74    Reach Len. (ft)           98.77      98.77      98.77
  Crit W.S. (ft)                      Flow Area (sq ft)       463681.00   67074.40   49740.49
  E.G. Slope (ft/ft)      0.000065    Area (sq ft)            463681.00   67074.40   49740.49
  Q Total (cfs)          1188283.00    Flow (cfs)             962642.80   168643.80   56996.48
  Top Width (ft)          4634.62    Top Width (ft)           3400.00     369.23     865.39
  Vel Total (ft/s)           2.05    Avg. Vel. (ft/s)            2.08       2.51       1.15
  Max Chl Dpth (ft)        192.43    Hydr. Depth (ft)          136.38     181.66      57.48
  Conv. Total (cfs)      147862200.0    Conv. (cfs)           119785000.0   20984930.0   7092270.0
  Length Wtd. (ft)          98.77    Wetted Per. (ft)         3481.78     377.91     910.86
  Min Ch El (ft)           567.31    Shear (lb/sq ft)            0.54       0.72       0.22
  Alpha                      1.06    Stream Power (lb/ft s)      1.11       1.80       0.25
  Frctn Loss (ft)            0.01    Cum Volume (acre-ft)    27289.63    4107.19    8187.84
  C & E Loss (ft)            0.00    Cum SA (acres)            162.79      21.01      79.41


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2853.38*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.79     500  657.63     650  652.31     700  648.21
     950  625.77    1000  623.33    1100  617.38    1250  614.62    1350  614.62
    1475  612.31    1950  612.31    2025  612.08    2300  609.98    2600  605.64
    3000  602.91    3200  600.38    3400  597.69 3488.46  583.62 3576.92  567.23
 3688.46  567.23 3776.92     600 3863.74  659.29 4182.05  710.26  4297.8  722.07
 4471.43   734.4 4645.05  735.19 4688.46  739.23

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3776.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3776.92             98.77   98.77   98.77             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.80    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)           98.77      98.77      98.77
  Crit W.S. (ft)                      Flow Area (sq ft)       465481.50   68311.69   50973.54
  E.G. Slope (ft/ft)      0.000064    Area (sq ft)            465481.50   68311.69   50973.54
  Q Total (cfs)          1188283.00    Flow (cfs)             961035.60   170210.30   57037.00
  Top Width (ft)          4688.46    Top Width (ft)           3400.00     376.92     911.54
  Vel Total (ft/s)           2.03    Avg. Vel. (ft/s)            2.06       2.49       1.12
  Max Chl Dpth (ft)        192.50    Hydr. Depth (ft)          136.91     181.24      55.92
  Conv. Total (cfs)      149066200.0    Conv. (cfs)           120558800.0   21352330.0   7155106.0
  Length Wtd. (ft)          98.77    Wetted Per. (ft)         3481.88     385.41     955.64
  Min Ch El (ft)           567.23    Shear (lb/sq ft)            0.53       0.70       0.21
  Alpha                      1.06    Stream Power (lb/ft s)      1.09       1.75       0.24
  Frctn Loss (ft)            0.01    Cum Volume (acre-ft)    26236.21    3953.70    8073.66
  C & E Loss (ft)            0.00    Cum SA (acres)            155.08      20.17      77.40


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2754.92*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.17     500   657.4     650  651.54     700  647.03
     950  623.18    1000  620.67    1100  614.92    1250  613.08    1350  613.08
    1475  611.54    1950  611.54    2025  611.38    2300  609.99    2600  606.21
    3000   603.2    3200  600.92    3400  598.46 3492.31  584.08 3584.62  567.15
 3692.31  567.15 3784.62     600 3875.82  662.86 4210.26  710.28 4331.87  723.04
 4514.29  736.26  4696.7  736.79 4742.31  741.15

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3784.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3784.62             98.77   98.77   98.77             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.79    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.73    Reach Len. (ft)            98.77      98.77      98.77
  Crit W.S. (ft)                      Flow Area (sq ft)       467277.90   69544.98   52070.61
  E.G. Slope (ft/ft)      0.000063    Area (sq ft)            467277.90   69544.98   52070.61
  Q Total (cfs)          1188283.00    Flow (cfs)             959650.80  171763.30   56868.94
  Top Width (ft)          4742.31    Top Width (ft)           3400.00     384.62     957.69
  Vel Total (ft/s)           2.02    Avg. Vel. (ft/s)            2.05       2.47       1.09
  Max Chl Dpth (ft)        192.58    Hydr. Depth (ft)          137.43     180.81      54.37
  Conv. Total (cfs)      150239000.0    Conv. (cfs)            121332200.0  21716660.0  7190148.0
  Length Wtd. (ft)          98.77    Wetted Per. (ft)         3482.01     392.94    1000.53
  Min Ch El (ft)           567.15    Shear (lb/sq ft)            0.52       0.69       0.20
  Alpha                      1.07    Stream Power (lb/ft s)      1.08       1.71       0.22
  Frctn Loss (ft)            0.01    Cum Volume (acre-ft)    25178.72    3797.41    7956.83
  C & E Loss (ft)            0.00    Cum SA (acres)            147.37      19.30      75.28


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2656.46*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.54     500  657.16     650  650.77     700  645.85
     950  620.59    1000     618    1100  612.46    1250  611.54    1350  611.54
    1475  610.77    1950  610.77    2025  610.69    2300  609.99    2600  606.77
    3000  603.49    3200  601.46    3400  599.23 3496.15  584.54 3592.31  567.08
 3696.15  567.08 3792.31     600 3887.91  666.43 4238.46  710.31 4365.93  724.02
 4557.14  738.13 4748.35   738.4 4796.15  743.08

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3792.31     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3792.31             98.77   98.77   98.77             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.79    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.72    Reach Len. (ft)            98.77      98.77      98.77
  Crit W.S. (ft)                      Flow Area (sq ft)       469084.80   70767.99   53018.64
  E.G. Slope (ft/ft)      0.000062    Area (sq ft)            469084.80   70767.99   53018.64
  Q Total (cfs)          1188283.00    Flow (cfs)             958517.40  173283.80   56481.82
  Top Width (ft)          4796.15    Top Width (ft)           3400.00     392.31    1003.84
  Vel Total (ft/s)           2.00    Avg. Vel. (ft/s)            2.04       2.45       1.07
  Max Chl Dpth (ft)        192.64    Hydr. Depth (ft)          137.97     180.39      52.82
  Conv. Total (cfs)      151382500.0    Conv. (cfs)            122111300.0  22075660.0  7195559.0
  Length Wtd. (ft)          98.77    Wetted Per. (ft)         3482.18     400.48    1045.52
  Min Ch El (ft)           567.08    Shear (lb/sq ft)            0.52       0.68       0.20
  Alpha                      1.07    Stream Power (lb/ft s)      1.06       1.66       0.21
  Frctn Loss (ft)            0.01    Cum Volume (acre-ft)    24117.15    3638.33    7837.69
  C & E Loss (ft)            0.00    Cum SA (acres)            139.67      18.42      73.06


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2558

INPUT
Description:
Station Elevation Data    num=      16
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     650     650     950     618    1100     610    2300     610
    3200     602    3400     600    3500     585    3600     567    3700     567
    3800     600    3900     670    4400     725    4600     740    4800     740
    4850     745

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3800     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3800             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
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  W.S. Elev (ft)            759.72    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       470884.80   71986.45   53826.93
  E.G. Slope (ft/ft)      0.000061    Area (sq ft)            470884.80   71986.45   53826.93
  Q Total (cfs)           1188283.00    Flow (cfs)              957583.90   174793.50   55905.64
  Top Width (ft)           4850.00    Top Width (ft)           3400.00     400.00    1050.00
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)            2.03       2.43       1.04
  Max Chl Dpth (ft)         192.72    Hydr. Depth (ft)          138.50     179.97      51.26
  Conv. Total (cfs)       152494800.0    Conv. (cfs)            122888700.0   22431610.0   7174484.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3482.37     408.03    1090.61
  Min Ch El (ft)            567.00    Shear (lb/sq ft)            0.51       0.67       0.19
  Alpha                       1.07    Stream Power (lb/ft s)      1.04       1.62       0.19
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23051.48    3476.49    7716.56
  C & E Loss (ft)             0.00    Cum SA (acres)            131.96      17.52      70.73


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2533.24*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  679.85      50  677.58     350  663.76     600  652.27     650   649.8
     750  638.89     950  617.88    1100  609.99    1500  609.95    2300     610
    3200  602.12    3400  600.15  3480.3  588.18 3500.38  585.14 3600.76  566.98
 3701.52  566.98 3801.52   600.2 3885.65  657.68 3903.68  669.81 3948.75  674.48
 3990.82  678.94 4074.96  688.01 4138.06   694.7  4414.5  724.58 4432.53  725.92
 4618.83  739.77 4621.84  739.77 4823.16  739.95 4874.24  744.92

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3801.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3801.52             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       470987.50   72236.32   55309.34
  E.G. Slope (ft/ft)      0.000060    Area (sq ft)            470987.50   72236.32   55309.34
  Q Total (cfs)           1188283.00    Flow (cfs)              955745.60   174949.60   57587.81
  Top Width (ft)           4874.24    Top Width (ft)           3400.00     401.52    1072.72
  Vel Total (ft/s)            1.99    Avg. Vel. (ft/s)            2.03       2.42       1.04
  Max Chl Dpth (ft)         192.73    Hydr. Depth (ft)          138.53     179.91      51.56
  Conv. Total (cfs)       152839600.0    Conv. (cfs)            122930100.0   22502410.0   7407073.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3482.51     409.64    1112.71
  Min Ch El (ft)            566.98    Shear (lb/sq ft)            0.51       0.67       0.19
  Alpha                       1.07    Stream Power (lb/ft s)      1.04       1.61       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22782.82    3435.35    7685.43
  C & E Loss (ft)             0.00    Cum SA (acres)            130.02      17.29      70.12


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2508.48*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   679.7      50  677.46     350  663.67     600  652.24     650   649.6
     750  638.44     950  617.76    1100  609.98    1500  609.91    2300     610
    3200  602.24    3400   600.3 3480.61  588.36 3500.76  585.28 3601.52  566.97
 3703.03  566.97 3803.03  600.39 3888.95  657.72 3907.36  669.61 3953.39   674.1
 3996.35  678.49 4082.26  687.58  4146.7  694.17    4429  724.17 4447.42  725.53
 4637.66  739.53 4640.73  739.55 4846.32  739.91 4898.48  744.85

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3803.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3803.03             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       471086.40   72482.52   56802.15
  E.G. Slope (ft/ft)      0.000060    Area (sq ft)            471086.40   72482.52   56802.15
  Q Total (cfs)           1188283.00    Flow (cfs)              953904.60   175095.60   59282.87
  Top Width (ft)           4898.48    Top Width (ft)           3400.00     403.03    1095.45
  Vel Total (ft/s)            1.98    Avg. Vel. (ft/s)            2.02       2.42       1.04
  Max Chl Dpth (ft)         192.74    Hydr. Depth (ft)          138.55     179.84      51.85
  Conv. Total (cfs)       153184200.0    Conv. (cfs)            122969900.0   22571960.0   7642284.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3482.64     411.23    1134.84
  Min Ch El (ft)            566.97    Shear (lb/sq ft)            0.51       0.66       0.19
  Alpha                       1.07    Stream Power (lb/ft s)      1.03       1.60       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22514.11    3394.07    7653.45
  C & E Loss (ft)             0.00    Cum SA (acres)            128.08      17.06      69.50


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2483.72*

INPUT
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Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  679.55      50  677.34     350  663.58     600   652.2     650  649.39
     750     638     950  617.64    1100  609.96    1500  609.86    2300     610
    3200  602.36    3400  600.45 3480.91  588.55 3501.14  585.42 3602.27  566.95
 3704.55  566.95 3804.55  600.59 3892.25  657.75 3911.04  669.42 3958.02  673.72
 4001.87  678.05 4089.57  687.15 4155.35  693.63 4443.51  723.75  4462.3  725.13
 4656.49   739.3 4659.63  739.32 4869.48  739.86 4922.73  744.77

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3804.55     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3804.55            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       471195.00   72731.70   58312.54
  E.G. Slope (ft/ft)      0.000060    Area (sq ft)            471195.00   72731.70   58312.54
  Q Total (cfs)           1188283.00    Flow (cfs)             952046.80   175237.10   60999.08
  Top Width (ft)           4922.73    Top Width (ft)           3400.00     404.55    1118.18
  Vel Total (ft/s)            1.97    Avg. Vel. (ft/s)            2.02       2.41       1.05
  Max Chl Dpth (ft)         192.76    Hydr. Depth (ft)          138.59     179.78      52.15
  Conv. Total (cfs)       153537900.0    Conv. (cfs)            123013900.0   22642370.0   7881685.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3482.78     412.84    1157.00
  Min Ch El (ft)            566.95    Shear (lb/sq ft)            0.51       0.66       0.19
  Alpha                       1.07    Stream Power (lb/ft s)      1.02       1.59       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22245.33    3352.65    7620.61
  C & E Loss (ft)             0.00    Cum SA (acres)            126.14      16.83      68.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2458.97*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  679.39      50  677.23     350  663.49     600  652.17     650  649.19
     750  637.56     950  617.52    1100  609.95    1500  609.82    2300     610
    3200  602.48    3400  600.61 3481.21  588.73 3501.52  585.57 3603.03  566.94
 3706.06  566.94 3806.06  600.79 3895.54  657.79 3914.72  669.22 3962.66  673.35
  4007.4   677.6 4096.88  686.72 4163.99   693.1 4458.01  723.34 4477.18  724.73
 4675.32  739.07 4678.52  739.09 4892.64  739.82 4946.97   744.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3806.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3806.06            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.78    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       471290.10   72976.17   59832.02
  E.G. Slope (ft/ft)      0.000060    Area (sq ft)            471290.10   72976.17   59832.02
  Q Total (cfs)           1188283.00    Flow (cfs)             950185.30   175369.30   62728.39
  Top Width (ft)           4946.97    Top Width (ft)           3400.00     406.06    1140.91
  Vel Total (ft/s)            1.97    Avg. Vel. (ft/s)            2.02       2.40       1.05
  Max Chl Dpth (ft)         192.77    Hydr. Depth (ft)          138.61     179.72      52.44
  Conv. Total (cfs)       153886000.0    Conv. (cfs)            123051700.0   22710810.0   8123503.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3482.93     414.44    1179.17
  Min Ch El (ft)            566.94    Shear (lb/sq ft)            0.50       0.66       0.19
  Alpha                       1.08    Stream Power (lb/ft s)      1.02       1.58       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21976.50    3311.09    7586.91
  C & E Loss (ft)             0.00    Cum SA (acres)            124.20      16.60      68.23


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2434.21*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  679.24      50  677.11     350   663.4     600  652.13     650  648.99
     750  637.11     950  617.39    1100  609.94    1500  609.77    2300     610
    3200  602.61    3400  600.76 3481.52  588.91 3501.89  585.71 3603.79  566.92
 3707.58  566.92 3807.58  600.98 3898.84  657.83  3918.4  669.03 3967.29  672.97
 4012.92  677.16 4104.19  686.29 4172.64  692.57 4472.51  722.92 4492.07  724.33
 4694.16  738.83 4697.42  738.86  4915.8  739.77 4971.21  744.62

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3807.58     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3807.58            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       471392.90   73226.00   61368.23
  E.G. Slope (ft/ft)      0.000059    Area (sq ft)            471392.90   73226.00   61368.23
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  Q Total (cfs)           1188283.00    Flow (cfs)              948298.20   175507.90   64476.87
  Top Width (ft)           4971.21    Top Width (ft)           3400.00     407.58    1163.63
  Vel Total (ft/s)            1.96    Avg. Vel. (ft/s)            2.01       2.40       1.05
  Max Chl Dpth (ft)         192.79    Hydr. Depth (ft)          138.65     179.66      52.74
  Conv. Total (cfs)       154244100.0    Conv. (cfs)            123093000.0   22781650.0   8369366.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3483.08     416.05    1201.37
  Min Ch El (ft)            566.92    Shear (lb/sq ft)            0.50       0.65       0.19
  Alpha                       1.08    Stream Power (lb/ft s)      1.01       1.56       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21707.61    3269.39    7552.34
  C & E Loss (ft)             0.00    Cum SA (acres)            122.26      16.37      67.57


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2409.45*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  679.09      50  676.99     350  663.31     600   652.1     650  648.79
     750  636.67     950  617.27    1100  609.93    1500  609.73    2300     610
    3200  602.73    3400  600.91 3481.82  589.09 3502.27  585.85 3604.55  566.91
 3709.09  566.91 3809.09  601.18 3902.14  657.86 3922.08  668.83 3971.93  672.59
 4018.45  676.71  4111.5  685.86 4181.28  692.03 4487.01   722.5 4506.95  723.93
 4712.99   738.6 4716.31  738.64 4938.96  739.72 4995.45  744.55

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3809.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3809.09            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       471490.50   73471.16   62919.55
  E.G. Slope (ft/ft)      0.000059    Area (sq ft)            471490.50   73471.16   62919.55
  Q Total (cfs)           1188283.00    Flow (cfs)              946405.30   175631.10   66246.60
  Top Width (ft)           4995.45    Top Width (ft)           3400.00     409.09    1186.36
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            2.01       2.39       1.05
  Max Chl Dpth (ft)         192.80    Hydr. Depth (ft)          138.67     179.60      53.04
  Conv. Total (cfs)       154601600.0    Conv. (cfs)            123132100.0   22850490.0   8619018.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3483.22     417.64    1223.58
  Min Ch El (ft)            566.91    Shear (lb/sq ft)            0.50       0.65       0.19
  Alpha                       1.08    Stream Power (lb/ft s)      1.00       1.55       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21438.66    3227.54    7516.89
  C & E Loss (ft)             0.00    Cum SA (acres)            120.32      16.14      66.90


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2384.69*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  678.94      50  676.88     350  663.23     600  652.06     650  648.59
     750  636.22     950  617.15    1100  609.91    1500  609.68    2300     610
    3200  602.85    3400  601.06 3482.12  589.27 3502.65  585.99  3605.3  566.89
 3710.61  566.89 3810.61  601.38 3905.44   657.9 3925.76  668.64 3976.56  672.22
 4023.98  676.27 4118.81  685.42 4189.93   691.5 4501.52  722.09 4521.84  723.53
 4731.82  738.37 4735.21  738.41 4962.12  739.68  5019.7  744.47

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3810.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3810.61            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       471595.40   73720.25   64478.77
  E.G. Slope (ft/ft)      0.000059    Area (sq ft)            471595.40   73720.25   64478.77
  Q Total (cfs)           1188283.00    Flow (cfs)              944504.60   175757.50   68021.02
  Top Width (ft)           5019.70    Top Width (ft)           3400.00     410.61    1209.09
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            2.00       2.38       1.05
  Max Chl Dpth (ft)         192.82    Hydr. Depth (ft)          138.70     179.54      53.33
  Conv. Total (cfs)       154965800.0    Conv. (cfs)            123174300.0   22920800.0   8870724.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3483.37     419.26    1245.83
  Min Ch El (ft)            566.89    Shear (lb/sq ft)            0.50       0.65       0.19
  Alpha                       1.08    Stream Power (lb/ft s)      1.00       1.54       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21169.65    3185.56    7480.55
  C & E Loss (ft)             0.00    Cum SA (acres)            118.38      15.90      66.22


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2359.93*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
```

```
       0  678.79      50  676.76     350  663.14     600  652.03     650  648.38
     750  635.78     950  617.03    1100   609.9    1500  609.64    2300     610
    3200  602.97    3400  601.21 3482.42  589.45 3503.03  586.13 3606.06  566.88
 3712.12  566.88 3812.12  601.58 3908.73  657.93 3929.44  668.44 3981.19  671.84
  4029.5  675.82 4126.11  684.99 4198.57  690.96 4516.02  721.67 4536.72  723.13
 4750.65  738.13  4754.1  738.18 4985.28  739.63 5043.94  744.39

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3812.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3812.12            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)           24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       471693.70   73965.10   66059.00
  E.G. Slope (ft/ft)      0.000059    Area (sq ft)            471693.70   73965.10   66059.00
  Q Total (cfs)           1188283.00    Flow (cfs)            942586.90   175869.80   69826.28
  Top Width (ft)           5043.94    Top Width (ft)           3400.00     412.12    1231.82
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            2.00       2.38       1.06
  Max Chl Dpth (ft)         192.83    Hydr. Depth (ft)          138.73     179.47      53.63
  Conv. Total (cfs)       155330600.0    Conv. (cfs)            123213600.0   22989450.0   9127590.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3483.52     420.85    1268.09
  Min Ch El (ft)            566.88    Shear (lb/sq ft)            0.49       0.64       0.19
  Alpha                       1.08    Stream Power (lb/ft s)      0.99       1.53       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20900.59    3143.43    7443.32
  C & E Loss (ft)             0.00    Cum SA (acres)            116.44      15.67      65.52


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2335.18*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  678.64      50  676.64     350  663.05     600  651.99     650  648.18
     750  635.33     950  616.91    1100  609.89    1500  609.59    2300     610
    3200  603.09    3400  601.36 3482.73  589.64 3503.41  586.27 3606.82  566.86
 3713.64  566.86 3813.64  601.77 3912.03  657.97 3933.12  668.25 3985.83  671.46
 4035.03  675.38 4133.42  684.56 4207.22  690.43 4530.52  721.26  4551.6  722.73
 4769.48   737.9 4772.99  737.95 5008.44  739.59 5068.18  744.32

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3813.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3813.64            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.71    Reach Len. (ft)           24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       471800.30   74213.66   67644.47
  E.G. Slope (ft/ft)      0.000058    Area (sq ft)            471800.30   74213.66   67644.47
  Q Total (cfs)           1188283.00    Flow (cfs)            940665.40   175985.50   71632.05
  Top Width (ft)           5068.18    Top Width (ft)           3400.00     413.64    1254.54
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.99       2.37       1.06
  Max Chl Dpth (ft)         192.85    Hydr. Depth (ft)          138.76     179.42      53.92
  Conv. Total (cfs)       155702000.0    Conv. (cfs)            123256400.0   23059570.0   9386026.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3483.67     422.46    1290.37
  Min Ch El (ft)            566.86    Shear (lb/sq ft)            0.49       0.64       0.19
  Alpha                       1.08    Stream Power (lb/ft s)      0.98       1.51       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20631.47    3101.17    7405.18
  C & E Loss (ft)             0.00    Cum SA (acres)            114.50      15.43      64.81


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2310.42*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  678.48      50  676.53     350  662.96     600  651.96     650  647.98
     750  634.89     950  616.79    1100  609.88    1500  609.55    2300     610
    3200  603.21    3400  601.52 3483.03  589.82 3503.79  586.41 3607.58  566.85
 3715.15  566.85 3815.15  601.97 3915.33     658  3936.8  668.05 3990.46  671.09
 4040.55  674.93 4140.73  684.13 4215.86   689.9 4545.02  720.84 4566.49  722.34
 4788.31  737.67 4791.89  737.73  5031.6  739.54 5092.42  744.24

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3815.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3815.15            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.77    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)           24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       471895.40   74457.78   69246.13
  E.G. Slope (ft/ft)      0.000058    Area (sq ft)            471895.40   74457.78   69246.13
  Q Total (cfs)           1188283.00    Flow (cfs)            938732.20   176089.40   73461.36
  Top Width (ft)           5092.42    Top Width (ft)           3400.00     415.15    1277.27
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.99       2.36       1.06
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```
  Max Chl Dpth (ft)         192.85    Hydr. Depth (ft)          138.79     179.35      54.21
  Conv. Total (cfs)       156070300.0    Conv. (cfs)            123294000.0   23127760.0   9648489.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3483.83     424.06    1312.67
  Min Ch El (ft)            566.85    Shear (lb/sq ft)            0.49       0.64       0.19
  Alpha                       1.08    Stream Power (lb/ft s)      0.98       1.50       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20362.29    3058.76    7366.13
  C & E Loss (ft)             0.00    Cum SA (acres)            112.56      15.20      64.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2285.66*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  678.33      50  676.41     350  662.87     600  651.92     650  647.78
     750  634.44     950  616.67    1100  609.86    1500   609.5    2300     610
    3200  603.33    3400  601.67 3483.33     590 3504.17  586.56 3608.33  566.83
 3716.67  566.83 3816.67  602.17 3918.63  658.04 3940.48  667.86  3995.1  670.71
 4046.08  674.49 4148.04   683.7 4224.51  689.36 4559.52  720.43 4581.37  721.94
 4807.14  737.43 4810.78   737.5 5054.76  739.49 5116.67  744.17

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3816.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3816.67            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       472005.00   74705.68   70862.68
  E.G. Slope (ft/ft)      0.000058    Area (sq ft)            472005.00   74705.68   70862.68
  Q Total (cfs)           1188283.00    Flow (cfs)              936787.10   176190.60   75305.31
  Top Width (ft)           5116.67    Top Width (ft)           3400.00     416.67    1300.00
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.98       2.36       1.06
  Max Chl Dpth (ft)         192.87    Hydr. Depth (ft)          138.83     179.29      54.51
  Conv. Total (cfs)       156450200.0    Conv. (cfs)            123338100.0   23197380.0   9914755.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3483.99     425.68    1334.99
  Min Ch El (ft)            566.83    Shear (lb/sq ft)            0.49       0.63       0.19
  Alpha                       1.08    Stream Power (lb/ft s)      0.97       1.49       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20093.06    3016.21    7326.17
  C & E Loss (ft)             0.00    Cum SA (acres)            110.62      14.96      63.36


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2260.90*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  678.18      50  676.29     350  662.78     600  651.89     650  647.58
     750     634     950  616.55    1100  609.85    1500  609.45    2300     610
    3200  603.45    3400  601.82 3483.64  590.18 3504.55   586.7 3609.09  566.82
 3718.18  566.82 3818.18  602.36 3921.93  658.07 3944.16  667.66 3999.73  670.33
  4051.6  674.04 4155.35  683.27 4233.15  688.83 4574.03  720.01 4596.26  721.54
 4825.97   737.2 4829.68  737.27 5077.92  739.45 5140.91  744.09

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3818.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3818.18            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       472108.80   74950.34   72493.38
  E.G. Slope (ft/ft)      0.000057    Area (sq ft)            472108.80   74950.34   72493.38
  Q Total (cfs)           1188283.00    Flow (cfs)              934831.90   176283.60   77167.57
  Top Width (ft)           5140.91    Top Width (ft)           3400.00     418.18    1322.73
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.98       2.35       1.06
  Max Chl Dpth (ft)         192.88    Hydr. Depth (ft)          138.86     179.23      54.81
  Conv. Total (cfs)       156830200.0    Conv. (cfs)            123379600.0   23266000.0   10184620.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3484.14     427.27    1357.33
  Min Ch El (ft)            566.82    Shear (lb/sq ft)            0.49       0.63       0.19
  Alpha                       1.08    Stream Power (lb/ft s)      0.96       1.48       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19823.76    2973.53    7285.28
  C & E Loss (ft)             0.00    Cum SA (acres)            108.68      14.72      62.61


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2236.15*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  678.03      50  676.18     350  662.69     600  651.85     650  647.37
     750  633.56     950  616.42    1100  609.84    1500  609.41    2300     610
    3200  603.58    3400  601.97 3483.94  590.36 3504.92  586.84 3609.85   566.8
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  3719.7   566.8  3819.7  602.56 3925.22  658.11 3947.84  667.47 4004.37  669.96
 4057.13  673.59 4162.66  682.84  4241.8  688.29 4588.53  719.59 4611.14  721.14
 4844.81  736.97 4848.57  737.05 5101.08   739.4 5165.15  744.02

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3819.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400  3819.7            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       472203.30   75198.60   74136.02
  E.G. Slope (ft/ft)      0.000057    Area (sq ft)            472203.30   75198.60   74136.02
  Q Total (cfs)           1188283.00    Flow (cfs)              932853.40   176384.60   79044.99
  Top Width (ft)           5165.15    Top Width (ft)           3400.00     419.70    1345.45
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.98       2.35       1.07
  Max Chl Dpth (ft)         192.90    Hydr. Depth (ft)          138.88     179.17      55.10
  Conv. Total (cfs)       157210600.0    Conv. (cfs)            123417100.0   23335800.0   10457700.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3484.30     428.89    1379.67
  Min Ch El (ft)            566.80    Shear (lb/sq ft)            0.48       0.63       0.19
  Alpha                       1.08    Stream Power (lb/ft s)      0.95       1.47       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19554.41    2930.70    7243.46
  C & E Loss (ft)             0.00    Cum SA (acres)            106.74      14.48      61.85


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2211.39*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  677.88      50  676.06     350  662.61     600  651.82     650  647.17
     750  633.11     950   616.3    1100  609.83    1500  609.36    2300     610
    3200   603.7    3400  602.12 3484.24  590.55  3505.3  586.98 3610.61  566.79
 3721.21  566.79 3821.21  602.76 3928.52  658.15 3951.52  667.27    4009  669.58
 4062.66  673.15 4169.96  682.41 4250.45  687.76 4603.03  719.18 4626.02  720.74
 4863.64  736.73 4867.47  736.82 5124.24  739.36 5189.39  743.94

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3821.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3821.21            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       472305.90   75441.99   75790.89
  E.G. Slope (ft/ft)      0.000057    Area (sq ft)            472305.90   75441.99   75790.89
  Q Total (cfs)           1188283.00    Flow (cfs)              930883.20   176465.00   80934.77
  Top Width (ft)           5189.39    Top Width (ft)           3400.00     421.21    1368.18
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.97       2.34       1.07
  Max Chl Dpth (ft)         192.91    Hydr. Depth (ft)          138.91     179.11      55.40
  Conv. Total (cfs)       157595600.0    Conv. (cfs)            123458000.0   23403600.0   10733940.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3484.46     430.49    1402.04
  Min Ch El (ft)            566.79    Shear (lb/sq ft)            0.48       0.62       0.19
  Alpha                       1.08    Stream Power (lb/ft s)      0.95       1.45       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19285.00    2887.73    7200.69
  C & E Loss (ft)             0.00    Cum SA (acres)            104.80      14.24      61.07


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2186.63*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  677.73      50  675.94     350  662.52     600  651.78     650  646.97
     750  632.67     950  616.18    1100  609.81    1500  609.32    2300     610
    3200  603.82    3400  602.27 3484.55  590.73 3505.68  587.12 3611.36  566.77
 3722.73  566.77 3822.73  602.95 3931.82  658.18 3955.19  667.08 4013.64   669.2
 4068.18   672.7 4177.27  681.98 4259.09  687.23 4617.53  718.76 4640.91  720.34
 4882.47   736.5 4886.36  736.59  5147.4  739.31 5213.64  743.86

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3822.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3822.73            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       472407.90   75690.34   77461.79
  E.G. Slope (ft/ft)      0.000057    Area (sq ft)            472407.90   75690.34   77461.79
  Q Total (cfs)           1188283.00    Flow (cfs)              928885.80   176554.30   82842.94
  Top Width (ft)           5213.64    Top Width (ft)           3400.00     422.73    1390.91
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.97       2.33       1.07
  Max Chl Dpth (ft)         192.93    Hydr. Depth (ft)          138.94     179.05      55.69
  Conv. Total (cfs)       157986400.0    Conv. (cfs)            123498600.0   23473530.0   11014260.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3484.62     432.11    1424.43
```

```
  Min Ch El (ft)            566.77    Shear (lb/sq ft)            0.48       0.62       0.19
  Alpha                       1.08    Stream Power (lb/ft s)      0.94       1.44       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19015.53    2844.62    7156.98
  C & E Loss (ft)             0.00    Cum SA (acres)            102.86      14.00      60.28


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2161.87*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  677.58      50  675.83     350  662.43     600  651.75     650  646.77
     750  632.22     950  616.06    1100   609.8    1500  609.27    2300     610
    3200  603.94    3400  602.42 3484.85  590.91 3506.06  587.26 3612.12  566.76
 3724.24  566.76 3824.24  603.15 3935.12  658.22 3958.87  666.88 4018.27  668.83
 4073.71  672.26 4184.58  681.55 4267.74  686.69 4632.03  718.35 4655.79  719.94
  4901.3  736.27 4905.26  736.36 5170.56  739.26 5237.88  743.79

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3824.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3824.24             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       472511.50   75933.95   79145.24
  E.G. Slope (ft/ft)      0.000056    Area (sq ft)            472511.50   75933.95   79145.24
  Q Total (cfs)           1188283.00    Flow (cfs)              926890.90   176625.80   84766.30
  Top Width (ft)           5237.88    Top Width (ft)           3400.00     424.24    1413.64
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.96       2.33       1.07
  Max Chl Dpth (ft)         192.94    Hydr. Depth (ft)          138.97     178.99      55.99
  Conv. Total (cfs)       158379300.0    Conv. (cfs)            123539900.0   23541420.0   11298010.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3484.78     433.71    1446.82
  Min Ch El (ft)            566.76    Shear (lb/sq ft)            0.48       0.62       0.19
  Alpha                       1.08    Stream Power (lb/ft s)      0.93       1.43       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18746.00    2801.37    7112.31
  C & E Loss (ft)             0.00    Cum SA (acres)            100.92      13.76      59.48


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2137.12*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  677.42      50  675.71     350  662.34     600  651.71     650  646.57
     750  631.78     950  615.94    1100  609.79    1500  609.23    2300     610
    3200  604.06    3400  602.58 3485.15  591.09 3506.44   587.4 3612.88  566.74
 3725.76  566.74 3825.76  603.35 3938.41  658.25 3962.55  666.69 4022.91  668.45
 4079.23  671.81 4191.89  681.12 4276.38  686.16 4646.54  717.93 4670.68  719.54
 4920.13  736.03 4924.15  736.14 5193.72  739.22 5262.12  743.71

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3825.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3825.76             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.76    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.70    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       472610.10   76181.07   80840.44
  E.G. Slope (ft/ft)      0.000056    Area (sq ft)            472610.10   76181.07   80840.44
  Q Total (cfs)           1188283.00    Flow (cfs)              924876.80   176703.70   86702.55
  Top Width (ft)           5262.12    Top Width (ft)           3400.00     425.76    1436.36
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.96       2.32       1.07
  Max Chl Dpth (ft)         192.96    Hydr. Depth (ft)          139.00     178.93      56.28
  Conv. Total (cfs)       158774200.0    Conv. (cfs)            123578800.0   23610520.0   11584890.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3484.96     435.33    1469.23
  Min Ch El (ft)            566.74    Shear (lb/sq ft)            0.47       0.61       0.19
  Alpha                       1.09    Stream Power (lb/ft s)      0.93       1.42       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18476.41    2757.98    7066.67
  C & E Loss (ft)             0.00    Cum SA (acres)             98.98      13.52      58.67


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2112.36*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  677.27      50  675.59     350  662.25     600  651.68     650  646.36
     750  631.33     950  615.82    1100  609.78    1500  609.18    2300     610
    3200  604.18    3400  602.73 3485.45  591.27 3506.82  587.55 3613.64  566.73
 3727.27  566.73 3827.27  603.55 3941.71  658.29 3966.23  666.49 4027.54  668.07
 4084.76  671.37  4199.2  680.68 4285.03  685.63 4661.04  717.51 4685.56  719.14
 4938.96   735.8 4943.05  735.91 5216.88  739.17 5286.36  743.64
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3827.27     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3827.27             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       472716.10   76423.72   82551.97
  E.G. Slope (ft/ft)      0.000056    Area (sq ft)            472716.10   76423.72   82551.97
  Q Total (cfs)           1188283.00    Flow (cfs)            922863.40   176761.70   88657.84
  Top Width (ft)           5286.36    Top Width (ft)           3400.00     427.27    1459.09
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.95       2.31       1.07
  Max Chl Dpth (ft)         192.96    Hydr. Depth (ft)          139.03     178.87      56.58
  Conv. Total (cfs)       159175000.0    Conv. (cfs)            123621000.0   23677900.0   11876050.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3485.13     436.93    1491.65
  Min Ch El (ft)            566.73    Shear (lb/sq ft)            0.47       0.61       0.19
  Alpha                       1.09    Stream Power (lb/ft s)      0.92       1.41       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18206.77    2714.45    7020.07
  C & E Loss (ft)             0.00    Cum SA (acres)             97.04      13.28      57.85


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2087.60*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  677.12      50  675.48     350  662.16     600  651.64     650  646.16
     750  630.89     950   615.7    1100  609.76    1500  609.14    2300     610
    3200   604.3    3400  602.88 3485.76  591.45  3507.2  587.69 3614.39  566.71
 3728.79  566.71 3828.79  603.74 3945.01  658.32 3969.91   666.3 4032.17   667.7
 4090.29  670.92 4206.51  680.25 4293.67  685.09 4675.54   717.1 4700.45  718.75
 4957.79  735.57 4961.94  735.68 5240.04  739.13 5310.61  743.56

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3828.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3828.79             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       472816.40   76671.48   84273.35
  E.G. Slope (ft/ft)      0.000055    Area (sq ft)            472816.40   76671.48   84273.35
  Q Total (cfs)           1188283.00    Flow (cfs)            920828.10   176833.20   90621.64
  Top Width (ft)           5310.61    Top Width (ft)           3400.00     428.79    1481.82
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.95       2.31       1.08
  Max Chl Dpth (ft)         192.98    Hydr. Depth (ft)          139.06     178.81      56.87
  Conv. Total (cfs)       159578100.0    Conv. (cfs)            123660800.0   23747460.0   12169850.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3485.29     438.55    1514.10
  Min Ch El (ft)            566.71    Shear (lb/sq ft)            0.47       0.61       0.19
  Alpha                       1.09    Stream Power (lb/ft s)      0.91       1.40       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17937.07    2670.79    6972.48
  C & E Loss (ft)             0.00    Cum SA (acres)             95.10      13.03      57.01


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2062.84*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  676.97      50  675.36     350  662.07     600  651.61     650  645.96
     750  630.44     950  615.58    1100  609.75    1500  609.09    2300     610
    3200  604.42    3400  603.03 3486.06  591.64 3507.58  587.83 3615.15   566.7
  3730.3   566.7  3830.3  603.94 3948.31  658.36 3973.59   666.1 4036.81  667.32
 4095.81  670.48 4213.81  679.82 4302.32  684.56 4690.04  716.68 4715.33  718.35
 4976.62  735.33 4980.84  735.45  5263.2  739.08 5334.85  743.48

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3830.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400  3830.3             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       472921.90   76913.94   86012.38
  E.G. Slope (ft/ft)      0.000055    Area (sq ft)            472921.90   76913.94   86012.38
  Q Total (cfs)           1188283.00    Flow (cfs)            918793.30   176882.10   92607.52
  Top Width (ft)           5334.85    Top Width (ft)           3400.00     430.30    1504.55
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.94       2.30       1.08
  Max Chl Dpth (ft)         192.99    Hydr. Depth (ft)          139.09     178.74      57.17
  Conv. Total (cfs)       159985700.0    Conv. (cfs)            123702700.0   23814710.0   12468310.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3485.46     440.15    1536.55
  Min Ch El (ft)            566.70    Shear (lb/sq ft)            0.47       0.60       0.19
  Alpha                       1.09    Stream Power (lb/ft s)      0.91       1.38       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17667.30    2626.98    6923.91
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  C & E Loss (ft)             0.00    Cum SA (acres)             93.16      12.79      56.16

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2038.09*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  676.82      50  675.24     350  661.99     600  651.57     650  645.76
     750     630     950  615.45    1100  609.74    1500  609.05    2300     610
    3200  604.55    3400  603.18 3486.36  591.82 3507.95  587.97 3615.91  566.68
 3731.82  566.68 3831.82  604.14  3951.6   658.4 3977.27  665.91 4041.44  666.95
 4101.34  670.03 4221.12  679.39 4310.96  684.02 4704.55  716.27 4730.21  717.95
 4995.45   735.1 4999.73  735.23 5286.36  739.03 5359.09  743.41

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3831.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3831.82             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       473015.00   77161.03   87760.34
  E.G. Slope (ft/ft)      0.000055    Area (sq ft)            473015.00   77161.03   87760.34
  Q Total (cfs)           1188283.00    Flow (cfs)            916734.40   176945.40   94603.23
  Top Width (ft)           5359.09    Top Width (ft)           3400.00     431.82    1527.27
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.94       2.29       1.08
  Max Chl Dpth (ft)         193.01    Hydr. Depth (ft)          139.12     178.69      57.46
  Conv. Total (cfs)       160392400.0    Conv. (cfs)            123739200.0   23883790.0   12769380.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3485.64     441.77    1559.00
  Min Ch El (ft)            566.68    Shear (lb/sq ft)            0.47       0.60       0.19
  Alpha                       1.09    Stream Power (lb/ft s)      0.90       1.37       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17397.49    2583.03    6874.34
  C & E Loss (ft)             0.00    Cum SA (acres)             91.22      12.54      55.29

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2013.33*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  676.67      50  675.13     350   661.9     600  651.54     650  645.56
     750  629.56     950  615.33    1100  609.73    1500     609    2300     610
    3200  604.67    3400  603.33 3486.67     592 3508.33  588.11 3616.67  566.67
 3733.33  566.67 3833.33  604.33  3954.9  658.43 3980.95  665.71 4046.08  666.57
 4106.86  669.59 4228.43  678.96 4319.61  683.49 4719.05  715.85  4745.1  717.55
 5014.29  734.87 5018.63     735 5309.52  738.99 5383.33  743.33

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3833.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3833.33             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       473117.20   77404.14   89524.68
  E.G. Slope (ft/ft)      0.000055    Area (sq ft)            473117.20   77404.14   89524.68
  Q Total (cfs)           1188283.00    Flow (cfs)            914676.10   176990.70   96616.23
  Top Width (ft)           5383.33    Top Width (ft)           3400.00     433.33    1550.00
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.93       2.29       1.08
  Max Chl Dpth (ft)         193.02    Hydr. Depth (ft)          139.15     178.63      57.76
  Conv. Total (cfs)       160805900.0    Conv. (cfs)            123779700.0   23951480.0   13074710.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3485.81     443.37    1581.48
  Min Ch El (ft)            566.67    Shear (lb/sq ft)            0.46       0.60       0.19
  Alpha                       1.09    Stream Power (lb/ft s)      0.89       1.36       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17127.61    2538.94    6823.77
  C & E Loss (ft)             0.00    Cum SA (acres)             89.28      12.29      54.41

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1988.57*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  676.52      50  675.01     350  661.81     600   651.5     650  645.35
     750  629.11     950  615.21    1100  609.71    1500  608.95    2300     610
    3200  604.79    3400  603.48 3486.97  592.18 3508.71  588.25 3617.42  566.65
 3734.85  566.65 3834.85  604.53  3958.2  658.47 3984.63  665.52 4050.71  666.19
 4112.39  669.14 4235.74  678.53 4328.25  682.96 4733.55  715.43 4759.98  717.15
 5033.12  734.63 5037.52  734.77 5332.68  738.94 5407.58  743.26

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
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```
       0     .15    3400     .15 3834.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3834.85            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       473227.80   77650.91   91302.93
  E.G. Slope (ft/ft)      0.000054    Area (sq ft)            473227.80   77650.91   91302.93
  Q Total (cfs)           1188283.00    Flow (cfs)              912606.10   177035.00   98641.79
  Top Width (ft)           5407.58    Top Width (ft)           3400.00     434.85    1572.73
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.93       2.28       1.08
  Max Chl Dpth (ft)         193.04    Hydr. Depth (ft)          139.18     178.57      58.05
  Conv. Total (cfs)       161228000.0    Conv. (cfs)            123823700.0   24020370.0   13383860.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3485.99     444.99    1603.97
  Min Ch El (ft)            566.65    Shear (lb/sq ft)            0.46       0.59       0.19
  Alpha                       1.09    Stream Power (lb/ft s)      0.89       1.35       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16857.68    2494.71    6772.19
  C & E Loss (ft)             0.00    Cum SA (acres)             87.34      12.05      53.52


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1963.81*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  676.36      50   674.9     350  661.72     600  651.47     650  645.15
     750  628.67     950  615.09    1100   609.7    1500  608.91    2300     610
    3200  604.91    3400  603.64 3487.27  592.36 3509.09  588.39 3618.18  566.64
 3736.36  566.64 3836.36  604.73  3961.5   658.5 3988.31  665.32 4055.35  665.82
 4117.91   668.7 4243.05   678.1  4336.9  682.42 4748.05  715.02 4774.87  716.75
 5051.95   734.4 5056.42  734.55 5355.84   738.9 5431.82  743.18

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3836.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3836.36            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.75    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       473323.30   77892.84   93091.59
  E.G. Slope (ft/ft)      0.000054    Area (sq ft)            473323.30   77892.84   93091.59
  Q Total (cfs)           1188283.00    Flow (cfs)              910530.30   177071.00   100681.80
  Top Width (ft)           5431.82    Top Width (ft)           3400.00     436.36    1595.46
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.92       2.27       1.08
  Max Chl Dpth (ft)         193.05    Hydr. Depth (ft)          139.21     178.51      58.35
  Conv. Total (cfs)       161644100.0    Conv. (cfs)            123861000.0   24087260.0   13695920.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3486.17     446.60    1626.47
  Min Ch El (ft)            566.64    Shear (lb/sq ft)            0.46       0.59       0.19
  Alpha                       1.09    Stream Power (lb/ft s)      0.88       1.34       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16587.69    2450.35    6719.60
  C & E Loss (ft)             0.00    Cum SA (acres)             85.41      11.80      52.62


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1939.06*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  676.21      50  674.78     350  661.63     600  651.43     650  644.95
     750  628.22     950  614.97    1100  609.69    1500  608.86    2300     610
    3200  605.03    3400  603.79 3487.58  592.55 3509.47  588.54 3618.94  566.62
 3737.88  566.62 3837.88  604.92  3964.8  658.54 3991.99  665.13 4059.98  665.44
 4123.44  668.25 4250.36  677.67 4345.54  681.89 4762.55   714.6 4789.75  716.35
 5070.78  734.17 5075.31  734.32    5379  738.85 5456.06  743.11

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3837.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3837.88            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       473430.20   78138.40   94895.80
  E.G. Slope (ft/ft)      0.000054    Area (sq ft)            473430.20   78138.40   94895.80
  Q Total (cfs)           1188283.00    Flow (cfs)              908441.80   177105.40   102735.80
  Top Width (ft)           5456.06    Top Width (ft)           3400.00     437.88    1618.18
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.92       2.27       1.08
  Max Chl Dpth (ft)         193.07    Hydr. Depth (ft)          139.24     178.45      58.64
  Conv. Total (cfs)       162071200.0    Conv. (cfs)            123903400.0   24155600.0   14012240.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3486.35     448.22    1648.97
  Min Ch El (ft)            566.62    Shear (lb/sq ft)            0.46       0.59       0.19
  Alpha                       1.09    Stream Power (lb/ft s)      0.87       1.33       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16317.64    2405.84    6665.98
  C & E Loss (ft)             0.00    Cum SA (acres)             83.47      11.55      51.70
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1914.30*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  676.06      50  674.66     350  661.54     600   651.4     650  644.75
     750  627.78     950  614.85    1100  609.68    1500  608.82    2300     610
    3200  605.15    3400  603.94 3487.88  592.73 3509.85  588.68  3619.7  566.61
 3739.39  566.61 3839.39  605.12 3968.09  658.57 3995.67  664.94 4064.62  665.06
 4128.97  667.81 4257.67  677.24 4354.19  681.35 4777.06  714.19 4804.63  715.95
 5089.61  733.93 5094.21  734.09 5402.16   738.8  5480.3  743.03

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3839.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3839.39            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.69    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       473528.30   78380.45   96716.16
  E.G. Slope (ft/ft)      0.000053    Area (sq ft)            473528.30   78380.45   96716.16
  Q Total (cfs)           1188283.00    Flow (cfs)              906341.10   177130.80   104811.00
  Top Width (ft)           5480.30    Top Width (ft)           3400.00     439.39    1640.91
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.91       2.26       1.08
  Max Chl Dpth (ft)         193.08    Hydr. Depth (ft)          139.27     178.38      58.94
  Conv. Total (cfs)       162497300.0    Conv. (cfs)            123941800.0   24222580.0   14332870.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3486.53     449.83    1671.49
  Min Ch El (ft)            566.61    Shear (lb/sq ft)            0.45       0.58       0.19
  Alpha                       1.09    Stream Power (lb/ft s)      0.87       1.31       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16047.53    2361.19    6611.32
  C & E Loss (ft)             0.00    Cum SA (acres)             81.53      11.30      50.77


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1889.54*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  675.91      50  674.55     350  661.45     600  651.36     650  644.55
     750  627.33     950  614.73    1100  609.67    1500  608.77    2300     610
    3200  605.27    3400  604.09 3488.18  592.91 3510.23  588.82 3620.45  566.59
 3740.91  566.59 3840.91  605.32 3971.39  658.61 3999.35  664.74 4069.25  664.69
 4134.49  667.36 4264.97  676.81 4362.83  680.82 4791.56  713.77 4819.52  715.55
 5108.44   733.7  5113.1  733.86 5425.32  738.76 5504.55  742.95

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3840.91     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3840.91            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       473633.50   78626.62   98544.98
  E.G. Slope (ft/ft)      0.000053    Area (sq ft)            473633.50   78626.62   98544.98
  Q Total (cfs)           1188283.00    Flow (cfs)              904234.50   177159.60   106889.00
  Top Width (ft)           5504.55    Top Width (ft)           3400.00     440.91    1663.64
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.91       2.25       1.08
  Max Chl Dpth (ft)         193.09    Hydr. Depth (ft)          139.30     178.33      59.23
  Conv. Total (cfs)       162930500.0    Conv. (cfs)            123983400.0   24291100.0   14656000.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3486.72     451.45    1694.02
  Min Ch El (ft)            566.59    Shear (lb/sq ft)            0.45       0.58       0.19
  Alpha                       1.09    Stream Power (lb/ft s)      0.86       1.30       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15777.36    2316.41    6555.63
  C & E Loss (ft)             0.00    Cum SA (acres)             79.59      11.05      49.83


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1864.78*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  675.76      50  674.43     350  661.37     600  651.33     650  644.34
     750  626.89     950  614.61    1100  609.65    1500  608.73    2300     610
    3200  605.39    3400  604.24 3488.48  593.09 3510.61  588.96 3621.21  566.58
 3742.42  566.58 3842.42  605.52 3974.69  658.65 4003.03  664.55 4073.89  664.31
 4140.02  666.92 4272.28  676.38 4371.48  680.29 4806.06  713.35  4834.4  715.16
 5127.27  733.47    5132  733.64 5448.48  738.71 5528.79  742.88

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3842.42     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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          3400 3842.42            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       473732.30   78868.35   100386.10
  E.G. Slope (ft/ft)      0.000053    Area (sq ft)            473732.30   78868.35   100386.10
  Q Total (cfs)           1188283.00    Flow (cfs)             902124.20   177176.70   108982.10
  Top Width (ft)           5528.79    Top Width (ft)           3400.00     442.42    1686.37
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.90       2.25       1.09
  Max Chl Dpth (ft)         193.10    Hydr. Depth (ft)          139.33     178.27      59.53
  Conv. Total (cfs)       163362700.0    Conv. (cfs)            124022100.0   24357890.0   14982630.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3486.90     453.06    1716.56
  Min Ch El (ft)            566.58    Shear (lb/sq ft)            0.45       0.58       0.19
  Alpha                       1.09    Stream Power (lb/ft s)      0.85       1.29       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15507.14    2271.49    6498.88
  C & E Loss (ft)             0.00    Cum SA (acres)             77.65      10.79      48.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1840.03*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  675.61      50  674.31     350  661.28     600  651.29     650  644.14
     750  626.44     950  614.48    1100  609.64    1500  608.68    2300     610
    3200  605.52    3400  604.39 3488.79  593.27 3510.98   589.1 3621.97  566.56
 3743.94  566.56 3843.94  605.71 3977.99  658.68 4006.71  664.35 4078.52  663.93
 4145.54  666.47 4279.59  675.94 4380.12  679.75 4820.56  712.94 4849.29  714.76
  5146.1  733.23 5150.89  733.41 5471.65  738.67 5553.03   742.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3843.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3843.94            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       473835.80   79114.73   102247.00
  E.G. Slope (ft/ft)      0.000053    Area (sq ft)            473835.80   79114.73   102247.00
  Q Total (cfs)           1188283.00    Flow (cfs)             899988.60   177197.90   111096.40
  Top Width (ft)           5553.03    Top Width (ft)           3400.00     443.94    1709.09
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.90       2.24       1.09
  Max Chl Dpth (ft)         193.12    Hydr. Depth (ft)          139.36     178.21      59.83
  Conv. Total (cfs)       163804100.0    Conv. (cfs)            124062900.0   24426620.0   15314570.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3487.09     454.68    1739.10
  Min Ch El (ft)            566.56    Shear (lb/sq ft)            0.45       0.57       0.19
  Alpha                       1.09    Stream Power (lb/ft s)      0.85       1.28       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15236.85    2226.42    6441.08
  C & E Loss (ft)             0.00    Cum SA (acres)             75.71      10.54      47.91


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1815.27*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  675.45      50   674.2     350  661.19     600  651.26     650  643.94
     750     626     950  614.36    1100  609.63    1500  608.64    2300     610
    3200  605.64    3400  604.55 3489.09  593.45 3511.36  589.24 3622.73  566.55
 3745.45  566.55 3845.45  605.91 3981.28  658.72 4010.39  664.16 4083.16  663.56
 4151.07  666.03  4286.9  675.51 4388.77  679.22 4835.06  712.52 4864.17  714.36
 5164.94     733 5169.79  733.18 5494.81  738.62 5577.27  742.73

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3845.45     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3845.45            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       473931.50   79355.73   104117.30
  E.G. Slope (ft/ft)      0.000052    Area (sq ft)            473931.50   79355.73   104117.30
  Q Total (cfs)           1188283.00    Flow (cfs)             897855.90   177205.20   113221.90
  Top Width (ft)           5577.27    Top Width (ft)           3400.00     445.45    1731.82
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.89       2.23       1.09
  Max Chl Dpth (ft)         193.13    Hydr. Depth (ft)          139.39     178.15      60.12
  Conv. Total (cfs)       164242200.0    Conv. (cfs)            124100000.0   24492970.0   15649320.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3487.28     456.29    1761.65
  Min Ch El (ft)            566.55    Shear (lb/sq ft)            0.44       0.57       0.19
  Alpha                       1.09    Stream Power (lb/ft s)      0.84       1.27       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14966.51    2181.22    6382.22
  C & E Loss (ft)             0.00    Cum SA (acres)             73.77      10.29      46.92


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1790.51*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   675.3      50  674.08     350   661.1     600  651.22     650  643.74
     750  625.56     950  614.24    1100  609.62    1500  608.59    2300     610
    3200  605.76    3400   604.7 3489.39  593.64 3511.74  589.38 3623.48  566.53
 3746.97  566.53 3846.97  606.11 3984.58  658.75 4014.07  663.96 4087.79  663.18
  4156.6  665.58 4294.21  675.08 4397.42  678.69 4849.57  712.11 4879.06  713.96
 5183.77  732.77 5188.68  732.95 5517.97  738.57 5601.52  742.65

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3846.97     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3846.97             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       474037.20   79600.78   106001.60
  E.G. Slope (ft/ft)      0.000052    Area (sq ft)            474037.20   79600.78   106001.60
  Q Total (cfs)           1188283.00    Flow (cfs)             895713.30   177212.80   115356.90
  Top Width (ft)           5601.52    Top Width (ft)           3400.00     446.97    1754.55
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.89       2.23       1.09
  Max Chl Dpth (ft)         193.15    Hydr. Depth (ft)          139.42     178.09      60.42
  Conv. Total (cfs)       164690400.0    Conv. (cfs)            124141600.0   24560840.0   15987920.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3487.47     457.91    1784.22
  Min Ch El (ft)            566.53    Shear (lb/sq ft)            0.44       0.56       0.19
  Alpha                       1.09    Stream Power (lb/ft s)      0.83       1.26       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14696.12    2135.88    6322.29
  C & E Loss (ft)             0.00    Cum SA (acres)             71.83      10.03      45.93


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1765.75*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  675.15      50  673.96     350  661.01     600  651.19     650  643.54
     750  625.11     950  614.12    1100   609.6    1500  608.55    2300     610
    3200  605.88    3400  604.85  3489.7  593.82 3512.12  589.53 3624.24  566.52
 3748.48  566.52 3848.48   606.3 3987.88  658.79 4017.75  663.77 4092.42   662.8
 4162.12  665.14 4301.52  674.65 4406.06  678.15 4864.07  711.69 4893.94  713.56
  5202.6  732.53 5207.58  732.73 5541.13  738.53 5625.76  742.58

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3848.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3848.48             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       474139.70   79841.66   107900.70
  E.G. Slope (ft/ft)      0.000052    Area (sq ft)            474139.70   79841.66   107900.70
  Q Total (cfs)           1188283.00    Flow (cfs)             893564.90   177208.50   117509.60
  Top Width (ft)           5625.76    Top Width (ft)           3400.00     448.48    1777.28
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.88       2.22       1.09
  Max Chl Dpth (ft)         193.16    Hydr. Depth (ft)          139.45     178.03      60.71
  Conv. Total (cfs)       165139700.0    Conv. (cfs)            124181800.0   24627280.0   16330720.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3487.67     459.52    1806.79
  Min Ch El (ft)            566.52    Shear (lb/sq ft)            0.44       0.56       0.19
  Alpha                       1.09    Stream Power (lb/ft s)      0.83       1.25       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14425.66    2090.40    6261.27
  C & E Loss (ft)             0.00    Cum SA (acres)             69.89       9.78      44.92


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1741.*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     675      50  673.85     350  660.92     600  651.15     650  643.33
     750  624.67     950     614    1100  609.59    1500   608.5    2300     610
    3200     606    3400     605    3490     594  3512.5  589.67    3625   566.5
    3750   566.5    3850   606.5 3991.18  658.82 4021.43  663.57 4097.06  662.43
 4167.65  664.69 4308.82  674.22 4414.71  677.62 4878.57  711.28 4908.82  713.16
 5221.43   732.3 5226.47   732.5 5564.29  738.48    5650   742.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3850     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3850             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
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  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       474244.40   80086.88   109810.50
  E.G. Slope (ft/ft)      0.000051    Area (sq ft)            474244.40   80086.88   109810.50
  Q Total (cfs)           1188283.00    Flow (cfs)             891404.50   177209.20   119669.30
  Top Width (ft)           5650.00    Top Width (ft)           3400.00     450.00    1800.00
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.88       2.21       1.09
  Max Chl Dpth (ft)         193.18    Hydr. Depth (ft)          139.48     177.97      61.01
  Conv. Total (cfs)       165594800.0    Conv. (cfs)            124222900.0   24695240.0   16676690.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3487.86     461.15    1829.37
  Min Ch El (ft)            566.50    Shear (lb/sq ft)            0.44       0.56       0.19
  Alpha                       1.09    Stream Power (lb/ft s)      0.82       1.24       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14155.14    2044.78    6199.17
  C & E Loss (ft)             0.00    Cum SA (acres)             67.95       9.52      43.90


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1716.24*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  674.85      50  673.73     350  660.83     600  651.12     650  643.13
     750  624.22     950  613.88    1100  609.58    1500  608.45    2300     610
    3200  606.12    3400  605.15  3490.3  594.18 3512.88  589.81 3625.76  566.48
 3751.52  566.48 3851.52   606.7 3994.47  658.86 4025.11  663.38 4101.69  662.05
 4173.17  664.25 4316.13  673.79 4423.35  677.08 4893.07  710.86 4923.71  712.76
 5240.26  732.07 5245.37  732.27 5587.45  738.44 5674.24  742.42

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3851.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3851.52             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       474350.10   80331.95   111734.90
  E.G. Slope (ft/ft)      0.000051    Area (sq ft)            474350.10   80331.95   111734.90
  Q Total (cfs)           1188283.00    Flow (cfs)             889235.10   177204.60   121843.40
  Top Width (ft)           5674.24    Top Width (ft)           3400.00     451.52    1822.72
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.87       2.21       1.09
  Max Chl Dpth (ft)         193.20    Hydr. Depth (ft)          139.51     177.91      61.30
  Conv. Total (cfs)       166054300.0    Conv. (cfs)            124264400.0   24763110.0   17026760.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3488.06     462.77    1851.95
  Min Ch El (ft)            566.48    Shear (lb/sq ft)            0.43       0.55       0.19
  Alpha                       1.09    Stream Power (lb/ft s)      0.82       1.22       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13884.57    1999.03    6135.98
  C & E Loss (ft)             0.00    Cum SA (acres)             66.01       9.26      42.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1691.48*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   674.7      50  673.61     350  660.75     600  651.08     650  642.93
     750  623.78     950  613.76    1100  609.57    1500  608.41    2300     610
    3200  606.24    3400   605.3 3490.61  594.36 3513.26  589.95 3626.52  566.47
 3753.03  566.47 3853.03  606.89 3997.77  658.89 4028.79  663.18 4106.33  661.67
  4178.7   663.8 4323.44  673.36    4432  676.55 4907.58  710.44 4938.59  712.36
 5259.09  731.84 5264.26  732.05 5610.61  738.39 5698.48  742.35

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3853.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3853.03             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       474447.10   80573.04   113674.90
  E.G. Slope (ft/ft)      0.000051    Area (sq ft)            474447.10   80573.04   113674.90
  Q Total (cfs)           1188283.00    Flow (cfs)             887054.60   177191.10   124037.30
  Top Width (ft)           5698.48    Top Width (ft)           3400.00     453.03    1845.45
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.87       2.20       1.09
  Max Chl Dpth (ft)         193.21    Hydr. Depth (ft)          139.54     177.85      61.60
  Conv. Total (cfs)       166513000.0    Conv. (cfs)            124302100.0   24829620.0   17381230.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3488.25     464.38    1874.55
  Min Ch El (ft)            566.47    Shear (lb/sq ft)            0.43       0.55       0.19
  Alpha                       1.09    Stream Power (lb/ft s)      0.81       1.21       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13613.93    1953.13    6071.69
  C & E Loss (ft)             0.00    Cum SA (acres)             64.07       9.01      41.82


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
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REACH: LOWER PALUXY       RS: 1666.72*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  674.55      50   673.5     350  660.66     600  651.05     650  642.73
     750  623.33     950  613.64    1100  609.55    1500  608.36    2300     610
    3200  606.36    3400  605.45 3490.91  594.55 3513.64  590.09 3627.27  566.45
 3754.55  566.45 3854.55  607.09 4001.07  658.93 4032.47  662.99 4110.96   661.3
 4184.22  663.36 4330.75  672.93 4440.64  676.02 4922.08  710.03 4953.48  711.97
 5277.92   731.6 5283.15  731.82 5633.77  738.34 5722.73  742.27

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3854.55     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3854.55             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.68    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       474553.80   80817.34   115622.40
  E.G. Slope (ft/ft)      0.000051    Area (sq ft)            474553.80   80817.34   115622.40
  Q Total (cfs)           1188283.00    Flow (cfs)              884876.40   177176.40   126230.10
  Top Width (ft)           5722.73    Top Width (ft)           3400.00     454.55     1868.18
  Vel Total (ft/s)            1.77    Avg. Vel. (ft/s)            1.86       2.19       1.09
  Max Chl Dpth (ft)         193.23    Hydr. Depth (ft)          139.57     177.80      61.89
  Conv. Total (cfs)       166979000.0    Conv. (cfs)            124344000.0   24897050.0   17738020.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3488.45     466.01     1897.16
  Min Ch El (ft)            566.45    Shear (lb/sq ft)            0.43       0.55       0.19
  Alpha                       1.09    Stream Power (lb/ft s)      0.80       1.20       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13343.24    1907.09    6006.28
  C & E Loss (ft)             0.00    Cum SA (acres)             62.13       8.75      40.76


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1641.97*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  674.39      50  673.38     350  660.57     600  651.01     650  642.53
     750  622.89     950  613.52    1100  609.54    1500  608.32    2300     610
    3200  606.48    3400  605.61 3491.21  594.73 3514.02  590.23 3628.03  566.44
 3756.06  566.44 3856.06  607.29 4004.37  658.97 4036.15  662.79  4115.6  660.92
 4189.75  662.91 4338.06   672.5 4449.29  675.48 4936.58  709.61 4968.36  711.57
 5296.75  731.37 5302.05  731.59 5656.93   738.3 5746.97   742.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3856.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3856.06             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       474652.80   81057.24   117590.00
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            474652.80   81057.24   117590.00
  Q Total (cfs)           1188283.00    Flow (cfs)              882683.20   177149.20   128450.60
  Top Width (ft)           5746.97    Top Width (ft)           3400.00     456.06     1890.91
  Vel Total (ft/s)            1.76    Avg. Vel. (ft/s)            1.86       2.19       1.09
  Max Chl Dpth (ft)         193.23    Hydr. Depth (ft)          139.60     177.73      62.19
  Conv. Total (cfs)       167445400.0    Conv. (cfs)            124382200.0   24962760.0   18100460.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3488.66     467.62     1919.76
  Min Ch El (ft)            566.44    Shear (lb/sq ft)            0.43       0.54       0.19
  Alpha                       1.09    Stream Power (lb/ft s)      0.80       1.19       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13072.49    1860.92    5939.76
  C & E Loss (ft)             0.00    Cum SA (acres)             60.19       8.49      39.69


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1617.21*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  674.24      50  673.26     350  660.48     600  650.98     650  642.32
     750  622.44     950  613.39    1100  609.53    1500  608.27    2300     610
    3200  606.61    3400  605.76 3491.52  594.91 3514.39  590.37 3628.79  566.42
 3757.58  566.42 3857.58  607.48 4007.66     659 4039.83   662.6 4120.23  660.54
 4195.28  662.47 4345.37  672.07 4457.93  674.95 4951.08   709.2 4983.24  711.17
 5315.58  731.14 5320.94  731.36 5680.09  738.25 5771.21  742.12

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3857.58     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3857.58             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
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  W.S. Elev (ft)            759.67    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       474755.70   81302.31   119566.40
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            474755.70   81302.31   119566.40
  Q Total (cfs)           1188283.00    Flow (cfs)              880479.60   177130.90   130672.60
  Top Width (ft)           5771.21    Top Width (ft)           3400.00     457.58    1913.63
  Vel Total (ft/s)            1.76    Avg. Vel. (ft/s)            1.85       2.18       1.09
  Max Chl Dpth (ft)         193.25    Hydr. Depth (ft)          139.63     177.68      62.48
  Conv. Total (cfs)       167918600.0    Conv. (cfs)            124422300.0   25030720.0   18465600.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3488.86     469.25    1942.38
  Min Ch El (ft)            566.42    Shear (lb/sq ft)            0.43       0.54       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.79       1.18       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12801.68    1814.61    5872.11
  C & E Loss (ft)             0.00    Cum SA (acres)             58.25       8.23      38.61


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1592.45*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  674.09      50  673.15     350  660.39     600  650.94     650  642.12
     750     622     950  613.27    1100  609.52    1500  608.23    2300     610
    3200  606.73    3400  605.91 3491.82  595.09 3514.77  590.52 3629.55  566.41
 3759.09  566.41 3859.09  607.68 4010.96  659.04 4043.51   662.4 4124.87  660.17
  4200.8  662.02 4352.67  671.64 4466.58  674.41 4965.58  708.78 4998.13  710.77
 5334.42   730.9 5339.84  731.14 5703.25  738.21 5795.45  742.05

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3859.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3859.09             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       474853.90   81541.67   121560.10
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            474853.90   81541.67   121560.10
  Q Total (cfs)           1188283.00    Flow (cfs)              878271.90   177094.50   132916.50
  Top Width (ft)           5795.45    Top Width (ft)           3400.00     459.09    1936.36
  Vel Total (ft/s)            1.75    Avg. Vel. (ft/s)            1.85       2.17       1.09
  Max Chl Dpth (ft)         193.26    Hydr. Depth (ft)          139.66     177.62      62.78
  Conv. Total (cfs)       168392200.0    Conv. (cfs)            124460400.0   25096160.0   18835680.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3489.07     470.86    1965.00
  Min Ch El (ft)            566.41    Shear (lb/sq ft)            0.42       0.54       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.78       1.17       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12530.82    1768.16    5803.34
  C & E Loss (ft)             0.00    Cum SA (acres)             56.31       7.97      37.51


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1567.69*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  673.94      50  673.03     350   660.3     600  650.91     650  641.92
     750  621.56     950  613.15    1100   609.5    1500  608.18    2300     610
    3200  606.85    3400  606.06 3492.12  595.27 3515.15  590.66  3630.3  566.39
 3760.61  566.39 3860.61  607.88 4014.26  659.07 4047.19  662.21  4129.5  659.79
 4206.33  661.57 4359.98   671.2 4475.22  673.88 4980.09  708.36 5013.01  710.37
 5353.25  730.67 5358.73  730.91 5726.41  738.16  5819.7  741.97

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3860.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3860.61             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       474961.10   81785.99   123568.40
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            474961.10   81785.99   123568.40
  Q Total (cfs)           1188283.00    Flow (cfs)              876051.80   177061.70   135169.40
  Top Width (ft)           5819.70    Top Width (ft)           3400.00     460.61    1959.09
  Vel Total (ft/s)            1.75    Avg. Vel. (ft/s)            1.84       2.16       1.09
  Max Chl Dpth (ft)         193.28    Hydr. Depth (ft)          139.69     177.56      63.07
  Conv. Total (cfs)       168875900.0    Conv. (cfs)            124502300.0   25163580.0   19209950.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3489.27     472.49    1987.63
  Min Ch El (ft)            566.39    Shear (lb/sq ft)            0.42       0.54       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.78       1.16       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12259.89    1721.57    5733.42
  C & E Loss (ft)             0.00    Cum SA (acres)             54.37       7.70      36.40


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1542.94*

INPUT
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Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  673.79      50  672.91     350  660.21     600  650.87     650  641.72
     750  621.11     950  613.03    1100  609.49    1500  608.14    2300     610
    3200  606.97    3400  606.21 3492.42  595.45 3515.53   590.8 3631.06  566.38
 3762.12  566.38 3862.12  608.08 4017.56  659.11 4050.87  662.01 4134.14  659.41
 4211.85  661.13 4367.29  670.77 4483.87  673.35 4994.59  707.95  5027.9  709.97
 5372.08  730.44 5377.63  730.68 5749.57  738.11 5843.94  741.89

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3862.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3862.12            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       475062.50   82025.73   125585.80
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            475062.50   82025.73   125585.80
  Q Total (cfs)           1188283.00    Flow (cfs)              873834.40   177018.20   137430.40
  Top Width (ft)           5843.94    Top Width (ft)           3400.00     462.12    1981.82
  Vel Total (ft/s)            1.74    Avg. Vel. (ft/s)            1.84       2.16       1.09
  Max Chl Dpth (ft)         193.29    Hydr. Depth (ft)          139.72     177.50      63.37
  Conv. Total (cfs)       169357900.0    Conv. (cfs)            124541700.0   25229210.0   19587020.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3489.48     474.11    2010.27
  Min Ch El (ft)            566.38    Shear (lb/sq ft)            0.42       0.53       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.77       1.15       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11988.91    1674.85    5662.35
  C & E Loss (ft)             0.00    Cum SA (acres)             52.43       7.44      35.27


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1518.18*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  673.64      50   672.8     350  660.13     600  650.84     650  641.52
     750  620.67     950  612.91    1100  609.48    1500  608.09    2300     610
    3200  607.09    3400  606.36 3492.73  595.64 3515.91  590.94 3631.82  566.36
 3763.64  566.36 3863.64  608.27 4020.86  659.14 4054.55  661.82 4138.77  659.04
 4217.38  660.68  4374.6  670.34 4492.51  672.81 5009.09  707.53 5042.78  709.57
 5390.91   730.2 5396.52  730.45 5772.73  738.07 5868.18  741.82

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3863.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3863.64            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       475162.40   82269.45   127621.40
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            475162.40   82269.45   127621.40
  Q Total (cfs)           1188283.00    Flow (cfs)              871592.90   176979.50   139710.60
  Top Width (ft)           5868.18    Top Width (ft)           3400.00     463.64    2004.54
  Vel Total (ft/s)            1.73    Avg. Vel. (ft/s)            1.83       2.15       1.09
  Max Chl Dpth (ft)         193.31    Hydr. Depth (ft)          139.75     177.44      63.67
  Conv. Total (cfs)       169846200.0    Conv. (cfs)            124580400.0   25296400.0   19969420.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3489.69     475.73    2032.90
  Min Ch El (ft)            566.36    Shear (lb/sq ft)            0.42       0.53       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.76       1.14       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11717.87    1627.98    5590.12
  C & E Loss (ft)             0.00    Cum SA (acres)             50.49       7.18      34.13


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1493.42*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  673.48      50  672.68     350  660.04     600   650.8     650  641.31
     750  620.22     950  612.79    1100  609.47    1500  608.05    2300     610
    3200  607.21    3400  606.52 3493.03  595.82 3516.29  591.08 3632.58  566.35
 3765.15  566.35 3865.15  608.47 4024.15  659.18 4058.22  661.62  4143.4  658.66
 4222.91  660.24 4381.91  669.91 4501.16  672.28 5023.59  707.12 5057.66  709.17
 5409.74  729.97 5415.42  730.23 5795.89  738.02 5892.42  741.74

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3865.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3865.15            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       475263.90   82508.40   129663.30
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            475263.90   82508.40   129663.30
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  Q Total (cfs)           1188283.00    Flow (cfs)              869365.10   176926.30   141991.70
  Top Width (ft)           5892.42    Top Width (ft)           3400.00     465.15    2027.27
  Vel Total (ft/s)            1.73    Avg. Vel. (ft/s)            1.83       2.14       1.10
  Max Chl Dpth (ft)         193.32    Hydr. Depth (ft)          139.78     177.38      63.96
  Conv. Total (cfs)       170334900.0    Conv. (cfs)            124619500.0   25361570.0   20353850.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3489.91     477.35    2055.55
  Min Ch El (ft)            566.35    Shear (lb/sq ft)            0.41       0.53       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.76       1.13       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11446.77    1580.98    5516.73
  C & E Loss (ft)             0.00    Cum SA (acres)             48.55       6.91      32.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1468.66*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  673.33      50  672.56     350  659.95     600  650.77     650  641.11
     750  619.78     950  612.67    1100  609.45    1500     608    2300     610
    3200  607.33    3400  606.67 3493.33     596 3516.67  591.22 3633.33  566.33
 3766.67  566.33 3866.67  608.67 4027.45  659.22  4061.9  661.43 4148.04  658.28
 4228.43  659.79 4389.22  669.48  4509.8  671.75  5038.1   706.7 5072.55  708.77
 5428.57  729.74 5434.31     730 5819.05  737.98 5916.67  741.67

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3866.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3866.67             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       475371.10   82752.13   131720.30
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            475371.10   82752.13   131720.30
  Q Total (cfs)           1188283.00    Flow (cfs)              867122.70   176877.30   144283.00
  Top Width (ft)           5916.67    Top Width (ft)           3400.00     466.67    2050.00
  Vel Total (ft/s)            1.72    Avg. Vel. (ft/s)            1.82       2.14       1.10
  Max Chl Dpth (ft)         193.34    Hydr. Depth (ft)          139.82     177.32      64.25
  Conv. Total (cfs)       170832600.0    Conv. (cfs)            124661200.0   25428640.0   20742730.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3490.12     478.98    2078.21
  Min Ch El (ft)            566.33    Shear (lb/sq ft)            0.41       0.52       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.75       1.12       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11175.61    1533.85    5442.18
  C & E Loss (ft)             0.00    Cum SA (acres)             46.61       6.65      31.82


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1443.91*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  673.18      50  672.45     350  659.86     600  650.73     650  640.91
     750  619.33     950  612.55    1100  609.44    1500  607.95    2300     610
    3200  607.45    3400  606.82 3493.64  596.18 3517.05  591.36 3634.09  566.32
 3768.18  566.32 3868.18  608.86 4030.75  659.25 4065.58  661.23 4152.67  657.91
 4233.96  659.35 4396.52  669.05 4518.45  671.21  5052.6  706.28 5087.43  708.38
  5447.4   729.5 5453.21  729.77 5842.21  737.93 5940.91  741.59

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3868.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3868.18             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       475476.70   82991.66   133798.00
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            475476.70   82991.66   133798.00
  Q Total (cfs)           1188283.00    Flow (cfs)              864869.60   176814.70   146598.70
  Top Width (ft)           5940.91    Top Width (ft)           3400.00     468.18    2072.73
  Vel Total (ft/s)            1.72    Avg. Vel. (ft/s)            1.82       2.13       1.10
  Max Chl Dpth (ft)         193.35    Hydr. Depth (ft)          139.85     177.26      64.55
  Conv. Total (cfs)       171334000.0    Conv. (cfs)            124702300.0   25494250.0   21137510.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3490.34     480.59    2100.87
  Min Ch El (ft)            566.32    Shear (lb/sq ft)            0.41       0.52       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.74       1.10       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10904.39    1486.57    5366.44
  C & E Loss (ft)             0.00    Cum SA (acres)             44.67       6.38      30.65


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1419.15*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
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       0  673.03      50  672.33     350  659.77     600   650.7     650  640.71
     750  618.89     950  612.42    1100  609.43    1500  607.91    2300     610
    3200  607.58    3400  606.97 3493.94  596.36 3517.42  591.51 3634.85   566.3
  3769.7   566.3  3869.7  609.06 4034.05  659.29 4069.26  661.04 4157.31  657.53
 4239.48   658.9 4403.83  668.62 4527.09  670.68  5067.1  705.87 5102.32  707.98
 5466.23  729.27  5472.1  729.55 5865.37  737.88 5965.15  741.52

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3869.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400  3869.7            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.67    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       475571.40   83234.44   135879.00
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            475571.40   83234.44   135879.00
  Q Total (cfs)           1188283.00    Flow (cfs)              862608.40   176761.50   148913.20
  Top Width (ft)           5965.15    Top Width (ft)           3400.00     469.70    2095.45
  Vel Total (ft/s)            1.71    Avg. Vel. (ft/s)            1.81       2.12       1.10
  Max Chl Dpth (ft)         193.37    Hydr. Depth (ft)          139.87     177.21      64.84
  Conv. Total (cfs)       171833100.0    Conv. (cfs)            124738600.0   25560810.0   21533770.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3490.55     482.23    2123.52
  Min Ch El (ft)            566.30    Shear (lb/sq ft)            0.41       0.52       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.74       1.09       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10633.12    1439.15    5289.52
  C & E Loss (ft)             0.00    Cum SA (acres)             42.73       6.11      29.46


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1394.39*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  672.88      50  672.21     350  659.68     600  650.66     650  640.51
     750  618.44     950   612.3    1100  609.42    1500  607.86    2300     610
    3200   607.7    3400  607.12 3494.24  596.55  3517.8  591.65 3635.61  566.29
 3771.21  566.29 3871.21  609.26 4037.34  659.32 4072.94  660.84 4161.94  657.15
 4245.01  658.46 4411.14  668.19 4535.74  670.14  5081.6  705.45  5117.2  707.58
 5485.06  729.04    5491  729.32 5888.53  737.84 5989.39  741.44

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3871.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3871.21            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.71    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.66    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       475679.10   83472.66   137981.30
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            475679.10   83472.66   137981.30
  Q Total (cfs)           1188283.00    Flow (cfs)              860349.90   176686.10   151247.10
  Top Width (ft)           5989.39    Top Width (ft)           3400.00     471.21    2118.18
  Vel Total (ft/s)            1.70    Avg. Vel. (ft/s)            1.81       2.12       1.10
  Max Chl Dpth (ft)         193.37    Hydr. Depth (ft)          139.91     177.15      65.14
  Conv. Total (cfs)       172342000.0    Conv. (cfs)            124780400.0   25625570.0   21936040.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3490.77     483.84    2146.19
  Min Ch El (ft)            566.29    Shear (lb/sq ft)            0.40       0.51       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.73       1.08       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10361.78    1391.60    5211.40
  C & E Loss (ft)             0.00    Cum SA (acres)             40.79       5.84      28.26


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1369.63*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  672.73      50   672.1     350  659.59     600  650.63     650   640.3
     750     618     950  612.18    1100   609.4    1500  607.82    2300     610
    3200  607.82    3400  607.27 3494.55  596.73 3518.18  591.79 3636.36  566.27
 3772.73  566.27 3872.73  609.45 4040.64  659.36 4076.62  660.65 4166.58  656.78
 4250.53  658.01 4418.45  667.76 4544.38  669.61  5096.1  705.04 5132.09  707.18
  5503.9   728.8 5509.89  729.09 5911.69  737.79 6013.64  741.36

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3872.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3872.73            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.71    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.66    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       475779.40   83716.26   140093.90
  E.G. Slope (ft/ft)      0.000047    Area (sq ft)            475779.40   83716.26   140093.90
  Q Total (cfs)           1188283.00    Flow (cfs)              858071.10   176624.80   153587.20
  Top Width (ft)           6013.64    Top Width (ft)           3400.00     472.73    2140.91
  Vel Total (ft/s)            1.70    Avg. Vel. (ft/s)            1.80       2.11       1.10
```

```
  Max Chl Dpth (ft)         193.39    Hydr. Depth (ft)          139.94     177.09      65.44
  Conv. Total (cfs)       172853200.0    Conv. (cfs)            124819000.0   25692660.0   22341510.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3490.99     485.47    2168.88
  Min Ch El (ft)            566.27    Shear (lb/sq ft)            0.40       0.51       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.73       1.07       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10090.39    1343.91    5132.09
  C & E Loss (ft)             0.00    Cum SA (acres)             38.85       5.57      27.04


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1344.87*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  672.58      50  671.98     350  659.51     600  650.59     650   640.1
     750  617.56     950  612.06    1100  609.39    1500  607.77    2300     610
    3200  607.94    3400  607.42 3494.85  596.91 3518.56  591.93 3637.12  566.26
 3774.24  566.26 3874.24  609.65 4043.94  659.39  4080.3  660.45 4171.21   656.4
 4256.06  657.57 4425.76  667.33 4553.03  669.08 5110.61  704.62 5146.97  706.78
 5522.73  728.57 5528.79  728.86 5934.85  737.75 6037.88  741.29

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3874.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3874.24            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.71    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.66    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       475882.80   83954.76   142219.60
  E.G. Slope (ft/ft)      0.000047    Area (sq ft)            475882.80   83954.76   142219.60
  Q Total (cfs)           1188283.00    Flow (cfs)              855798.80   176545.50   155938.70
  Top Width (ft)           6037.88    Top Width (ft)           3400.00     474.24    2163.64
  Vel Total (ft/s)            1.69    Avg. Vel. (ft/s)            1.80       2.10       1.10
  Max Chl Dpth (ft)         193.40    Hydr. Depth (ft)          139.97     177.03      65.73
  Conv. Total (cfs)       173367700.0    Conv. (cfs)            124859000.0   25757570.0   22751080.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3491.21     487.09    2191.55
  Min Ch El (ft)            566.26    Shear (lb/sq ft)            0.40       0.51       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.72       1.06       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9818.94    1296.09    5051.56
  C & E Loss (ft)             0.00    Cum SA (acres)             36.91       5.30      25.81


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1320.12*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  672.42      50  671.86     350  659.42     600  650.56     650   639.9
     750  617.11     950  611.94    1100  609.38    1500  607.73    2300     610
    3200  608.06    3400  607.58 3495.15  597.09 3518.94  592.07 3637.88  566.24
 3775.76  566.24 3875.76  609.85 4047.24  659.43 4083.98  660.26 4175.85  656.02
 4261.59  657.12 4433.07  666.89 4561.68  668.54 5125.11  704.21 5161.85  706.38
 5541.56  728.34 5547.68  728.64 5958.01   737.7 6062.12  741.21

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3875.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3875.76            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.71    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.66    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       475982.20   84197.05   144359.80
  E.G. Slope (ft/ft)      0.000047    Area (sq ft)            475982.20   84197.05   144359.80
  Q Total (cfs)           1188283.00    Flow (cfs)              853508.10   176472.20   158302.80
  Top Width (ft)           6062.12    Top Width (ft)           3400.00     475.76    2186.36
  Vel Total (ft/s)            1.69    Avg. Vel. (ft/s)            1.79       2.10       1.10
  Max Chl Dpth (ft)         193.42    Hydr. Depth (ft)          139.99     176.97      66.03
  Conv. Total (cfs)       173885700.0    Conv. (cfs)            124896900.0   25823810.0   23165010.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3491.45     488.73    2214.23
  Min Ch El (ft)            566.24    Shear (lb/sq ft)            0.40       0.50       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.71       1.05       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9547.43    1248.12    4969.82
  C & E Loss (ft)             0.00    Cum SA (acres)             34.97       5.03      24.57


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1295.36*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  672.27      50  671.75     350  659.33     600  650.52     650   639.7
     750  616.67     950  611.82    1100  609.37    1500  607.68    2300     610
    3200  608.18    3400  607.73 3495.45  597.27 3519.32  592.21 3638.64  566.23
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 3777.27  566.23 3877.27  610.05 4050.53  659.47 4087.66  660.06 4180.48  655.65
 4267.11  656.68 4440.37  666.46 4570.32  668.01 5139.61  703.79 5176.74  705.98
 5560.39   728.1 5566.58  728.41 5981.17  737.65 6086.36  741.14

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3877.27     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3877.27            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.71    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.66    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       476086.60   84435.23   146514.40
  E.G. Slope (ft/ft)      0.000046    Area (sq ft)            476086.60   84435.23   146514.40
  Q Total (cfs)           1188283.00    Flow (cfs)             851221.70   176383.70   160677.70
  Top Width (ft)           6086.36    Top Width (ft)           3400.00     477.27    2209.09
  Vel Total (ft/s)            1.68    Avg. Vel. (ft/s)            1.79       2.09       1.10
  Max Chl Dpth (ft)         193.43    Hydr. Depth (ft)          140.03     176.91      66.32
  Conv. Total (cfs)       174409100.0    Conv. (cfs)           124937200.0   25888550.0   23583310.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3491.67     490.35    2236.92
  Min Ch El (ft)            566.23    Shear (lb/sq ft)            0.40       0.50       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.71       1.04       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9275.86    1200.02    4886.85
  C & E Loss (ft)             0.00    Cum SA (acres)             33.04       4.76      23.32


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1270.60*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  672.12      50  671.63     350  659.24     600  650.49     650  639.49
     750  616.22     950   611.7    1100  609.36    1500  607.64    2300     610
    3200   608.3    3400  607.88 3495.76  597.45  3519.7  592.35 3639.39  566.21
 3778.79  566.21 3878.79  610.24 4053.83   659.5 4091.34  659.87 4185.12  655.27
 4272.64  656.23 4447.68  666.03 4578.97  667.47 5154.11  703.37 5191.62  705.58
 5579.22  727.87 5585.47  728.18 6004.33  737.61 6110.61  741.06

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3878.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3878.79            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.71    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.66    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       476187.50   84678.24   148684.70
  E.G. Slope (ft/ft)      0.000046    Area (sq ft)            476187.50   84678.24   148684.70
  Q Total (cfs)           1188283.00    Flow (cfs)             848913.30   176304.40   163065.30
  Top Width (ft)           6110.61    Top Width (ft)           3400.00     478.79    2231.82
  Vel Total (ft/s)            1.67    Avg. Vel. (ft/s)            1.78       2.08       1.10
  Max Chl Dpth (ft)         193.45    Hydr. Depth (ft)          140.06     176.86      66.62
  Conv. Total (cfs)       174937500.0    Conv. (cfs)           124975900.0   25955300.0   24006260.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3491.90     491.98    2259.62
  Min Ch El (ft)            566.21    Shear (lb/sq ft)            0.39       0.50       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.70       1.03       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9004.24    1151.79    4802.64
  C & E Loss (ft)             0.00    Cum SA (acres)             31.10       4.49      22.05


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1245.84*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  671.97      50  671.52     350  659.15     600  650.45     650  639.29
     750  615.78     950  611.58    1100  609.34    1500  607.59    2300     610
    3200  608.42    3400  608.03 3496.06  597.64 3520.08  592.49 3640.15   566.2
  3780.3   566.2  3880.3  610.44 4057.13  659.54 4095.02  659.68 4189.75   654.9
 4278.16  655.79 4454.99   665.6 4587.61  666.94 5168.61  702.96 5206.51  705.18
 5598.05  727.64 5604.37  727.95 6027.49  737.56 6134.85  740.98

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3880.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400  3880.3            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.71    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.66    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       476294.60   84915.52   150861.20
  E.G. Slope (ft/ft)      0.000046    Area (sq ft)            476294.60   84915.52   150861.20
  Q Total (cfs)           1188283.00    Flow (cfs)             846625.80   176205.90   165451.40
  Top Width (ft)           6134.85    Top Width (ft)           3400.00     480.30    2254.55
  Vel Total (ft/s)            1.67    Avg. Vel. (ft/s)            1.78       2.08       1.10
  Max Chl Dpth (ft)         193.46    Hydr. Depth (ft)          140.09     176.80      66.91
  Conv. Total (cfs)       175468300.0    Conv. (cfs)           125017300.0   26019510.0   24431440.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3492.12     493.60    2282.32
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  Min Ch El (ft)            566.20    Shear (lb/sq ft)            0.39       0.49       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.69       1.02       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8732.55    1103.41    4717.20
  C & E Loss (ft)             0.00    Cum SA (acres)             29.16       4.21      20.77


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1221.09*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  671.82      50   671.4     350  659.06     600  650.42     650  639.09
     750  615.33     950  611.45    1100  609.33    1500  607.55    2300     610
    3200  608.55    3400  608.18 3496.36  597.82 3520.45  592.64 3640.91  566.18
 3781.82  566.18 3881.82  610.64 4060.43  659.57  4098.7  659.48 4194.38  654.52
 4283.69  655.34  4462.3  665.17 4596.26  666.41 5183.12  702.54 5221.39  704.79
 5616.88   727.4 5623.26  727.73 6050.65  737.52 6159.09  740.91

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3881.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3881.82             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.71    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.66    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       476391.00   85157.12   153051.80
  E.G. Slope (ft/ft)      0.000046    Area (sq ft)            476391.00   85157.12   153051.80
  Q Total (cfs)           1188283.00    Flow (cfs)              844313.20   176117.90   167851.80
  Top Width (ft)           6159.09    Top Width (ft)           3400.00     481.82    2277.27
  Vel Total (ft/s)            1.66    Avg. Vel. (ft/s)            1.77       2.07       1.10
  Max Chl Dpth (ft)         193.48    Hydr. Depth (ft)          140.12     176.74      67.21
  Conv. Total (cfs)       176000400.0    Conv. (cfs)            125054000.0   26085390.0   24861080.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3492.36     495.24    2305.00
  Min Ch El (ft)            566.18    Shear (lb/sq ft)            0.39       0.49       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.69       1.01       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8460.81    1054.90    4630.51
  C & E Loss (ft)             0.00    Cum SA (acres)             27.22       3.94      19.48


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1196.33*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  671.67      50  671.28     350  658.97     600  650.38     650  638.89
     750  614.89     950  611.33    1100  609.32    1500   607.5    2300     610
    3200  608.67    3400  608.33 3496.67     598 3520.83  592.78 3641.67  566.17
 3783.33  566.17 3883.33  610.83 4063.73  659.61 4102.38  659.29 4199.02  654.14
 4289.22   654.9 4469.61  664.74  4604.9  665.87 5197.62  702.13 5236.27  704.39
 5635.71  727.17 5642.16   727.5 6073.81  737.47 6183.33  740.83

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3883.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3883.33             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.70    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.66    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       476497.10   85395.10   155260.40
  E.G. Slope (ft/ft)      0.000045    Area (sq ft)            476497.10   85395.10   155260.40
  Q Total (cfs)           1188283.00    Flow (cfs)              842003.60   176014.30   170265.10
  Top Width (ft)           6183.33    Top Width (ft)           3400.00     483.33    2300.00
  Vel Total (ft/s)            1.66    Avg. Vel. (ft/s)            1.77       2.06       1.10
  Max Chl Dpth (ft)         193.49    Hydr. Depth (ft)          140.15     176.68      67.50
  Conv. Total (cfs)       176541000.0    Conv. (cfs)            125094900.0   26150130.0   25295970.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3492.59     496.85    2327.72
  Min Ch El (ft)            566.17    Shear (lb/sq ft)            0.39       0.49       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.68       1.00       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8189.01    1006.25    4542.57
  C & E Loss (ft)             0.00    Cum SA (acres)             25.28       3.66      18.17


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1171.57*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  671.52      50  671.17     350  658.89     600  650.35     650  638.69
     750  614.44     950  611.21    1100  609.31    1500  607.45    2300     610
    3200  608.79    3400  608.48 3496.97  598.18 3521.21  592.92 3642.42  566.15
 3784.85  566.15 3884.85  611.03 4067.02  659.64 4106.06  659.09 4203.65  653.77
 4294.74  654.45 4476.92  664.31 4613.55  665.34 5212.12  701.71 5251.16  703.99
 5654.54  726.94 5661.05  727.27 6096.97  737.42 6207.58  740.76
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3884.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3884.85             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.70    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.66    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       476598.80   85637.09   157481.70
  E.G. Slope (ft/ft)      0.000045    Area (sq ft)            476598.80   85637.09   157481.70
  Q Total (cfs)           1188283.00    Flow (cfs)            839678.10   175917.00   172687.90
  Top Width (ft)           6207.58    Top Width (ft)           3400.00     484.85    2322.73
  Vel Total (ft/s)            1.65    Avg. Vel. (ft/s)            1.76       2.05       1.10
  Max Chl Dpth (ft)         193.51    Hydr. Depth (ft)          140.18     176.63      67.80
  Conv. Total (cfs)       177084900.0    Conv. (cfs)            125133800.0   26216180.0   25734960.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3492.82     498.49    2350.42
  Min Ch El (ft)            566.15    Shear (lb/sq ft)            0.38       0.48       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.68       0.99       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7917.15     957.47    4453.37
  C & E Loss (ft)             0.00    Cum SA (acres)             23.34       3.39      16.85


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1146.81*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  671.36      50  671.05     350   658.8     600  650.31     650  638.48
     750     614     950  611.09    1100  609.29    1500  607.41    2300     610
    3200  608.91    3400  608.64 3497.27  598.36 3521.59  593.06 3643.18  566.14
 3786.36  566.14 3886.36  611.23 4070.32  659.68 4109.74   658.9 4208.29  653.39
 4300.27  654.01 4484.22  663.88 4622.19   664.8 5226.62  701.29 5266.04  703.59
 5673.38   726.7 5679.95  727.05 6120.13  737.38 6231.82  740.68

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3886.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3886.36             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.70    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.66    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       476701.90   85873.88   159716.90
  E.G. Slope (ft/ft)      0.000045    Area (sq ft)            476701.90   85873.88   159716.90
  Q Total (cfs)           1188283.00    Flow (cfs)            837357.90   175803.50   175121.60
  Top Width (ft)           6231.82    Top Width (ft)           3400.00     486.36    2345.46
  Vel Total (ft/s)            1.65    Avg. Vel. (ft/s)            1.76       2.05       1.10
  Max Chl Dpth (ft)         193.52    Hydr. Depth (ft)          140.21     176.56      68.10
  Conv. Total (cfs)       177631400.0    Conv. (cfs)            125173100.0   26280110.0   26178180.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3493.07     500.11    2373.14
  Min Ch El (ft)            566.14    Shear (lb/sq ft)            0.38       0.48       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.67       0.98       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7645.23     908.55    4362.89
  C & E Loss (ft)             0.00    Cum SA (acres)             21.40       3.11      15.52


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1122.06*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  671.21      50  670.93     350  658.71     600  650.28     650  638.28
     750  613.56     950  610.97    1100  609.28    1500  607.36    2300     610
    3200  609.03    3400  608.79 3497.58  598.55 3521.97   593.2 3643.94  566.12
 3787.88  566.12 3887.88  611.42 4073.62  659.71 4113.42   658.7 4212.92  653.01
 4305.79  653.56 4491.53  663.45 4630.84  664.27 5241.13  700.88 5280.93  703.19
 5692.21  726.47 5698.84  726.82 6143.29  737.33 6256.06  740.61

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3887.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3887.88             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.70    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.65    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       476806.80   86115.25   161964.10
  E.G. Slope (ft/ft)      0.000044    Area (sq ft)            476806.80   86115.25   161964.10
  Q Total (cfs)           1188283.00    Flow (cfs)            835026.10   175696.60   177560.20
  Top Width (ft)           6256.06    Top Width (ft)           3400.00     487.88    2368.18
  Vel Total (ft/s)            1.64    Avg. Vel. (ft/s)            1.75       2.04       1.10
  Max Chl Dpth (ft)         193.53    Hydr. Depth (ft)          140.24     176.51      68.39
  Conv. Total (cfs)       178184700.0    Conv. (cfs)            125213300.0   26345950.0   26625400.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3493.30     501.75    2395.85
  Min Ch El (ft)            566.12    Shear (lb/sq ft)            0.38       0.48       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.66       0.97       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7373.25     859.49    4271.13
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  C & E Loss (ft)             0.00    Cum SA (acres)             19.46       2.83      14.18

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1097.30*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  671.06      50  670.82     350  658.62     600  650.24     650  638.08
     750  613.11     950  610.85    1100  609.27    1500  607.32    2300     610
    3200  609.15    3400  608.94 3497.88  598.73 3522.35  593.34  3644.7  566.11
 3789.39  566.11 3889.39  611.62 4076.92  659.75  4117.1  658.51 4217.56  652.64
 4311.32  653.12 4498.84  663.02 4639.48  663.74 5255.63  700.46 5295.81  702.79
 5711.04  726.24 5717.74  726.59 6166.45  737.29  6280.3  740.53

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3889.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3889.39             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.70    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.65    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       476906.80   86352.22   164221.50
  E.G. Slope (ft/ft)      0.000044    Area (sq ft)            476906.80   86352.22   164221.50
  Q Total (cfs)           1188283.00    Flow (cfs)            832698.00   175579.30   180005.80
  Top Width (ft)           6280.30    Top Width (ft)           3400.00     489.39    2390.91
  Vel Total (ft/s)            1.63    Avg. Vel. (ft/s)            1.75       2.03       1.10
  Max Chl Dpth (ft)         193.54    Hydr. Depth (ft)          140.27     176.45      68.69
  Conv. Total (cfs)       178737200.0    Conv. (cfs)            125251400.0   26409990.0   27075810.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3493.54     503.37    2418.57
  Min Ch El (ft)            566.11    Shear (lb/sq ft)            0.38       0.47       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.66       0.96       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7101.22     810.29    4178.09
  C & E Loss (ft)             0.00    Cum SA (acres)             17.52       2.56      12.82

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1072.54*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  670.91      50   670.7     350  658.53     600  650.21     650  637.88
     750  612.67     950  610.73    1100  609.26    1500  607.27    2300     610
    3200  609.27    3400  609.09 3498.18  598.91 3522.73  593.48 3645.45  566.09
 3790.91  566.09 3890.91  611.82 4080.21  659.79 4120.78  658.31 4222.19  652.26
 4316.84  652.67 4506.15  662.59 4648.13   663.2 5270.13  700.05 5310.69  702.39
 5729.87     726 5736.63  726.36 6189.61  737.24 6304.54  740.45

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3890.91     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3890.91             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.70    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.65    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       477011.70   86593.65   166499.50
  E.G. Slope (ft/ft)      0.000044    Area (sq ft)            477011.70   86593.65   166499.50
  Q Total (cfs)           1188283.00    Flow (cfs)            830351.50   175464.00   182467.50
  Top Width (ft)           6304.54    Top Width (ft)           3400.00     490.91    2413.63
  Vel Total (ft/s)            1.63    Avg. Vel. (ft/s)            1.74       2.03       1.10
  Max Chl Dpth (ft)         193.56    Hydr. Depth (ft)          140.30     176.39      68.98
  Conv. Total (cfs)       179299700.0    Conv. (cfs)            125291500.0   26475720.0   27532480.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3493.78     505.01    2441.29
  Min Ch El (ft)            566.09    Shear (lb/sq ft)            0.37       0.47       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.65       0.95       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6829.12     760.96    4083.76
  C & E Loss (ft)             0.00    Cum SA (acres)             15.58       2.28      11.45

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1047.78*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  670.76      50  670.58     350  658.44     600  650.17     650  637.68
     750  612.22     950  610.61    1100  609.24    1500  607.23    2300     610
    3200  609.39    3400  609.24 3498.48  599.09 3523.11  593.63 3646.21  566.08
 3792.42  566.08 3892.42  612.02 4083.51  659.82 4124.46  658.12 4226.83  651.88
 4322.37  652.23 4513.46  662.15 4656.77  662.67 5284.63  699.63 5325.58  701.99
  5748.7  725.77 5755.53  726.14 6212.77  737.19 6328.79  740.38

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
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       0     .15    3400     .15 3892.42     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3892.42            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.70    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.65    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       477116.30   86829.55   168787.80
  E.G. Slope (ft/ft)      0.000044    Area (sq ft)            477116.30   86829.55   168787.80
  Q Total (cfs)           1188283.00    Flow (cfs)              828014.20   175333.60   184935.20
  Top Width (ft)           6328.79    Top Width (ft)           3400.00     492.42    2436.37
  Vel Total (ft/s)            1.62    Avg. Vel. (ft/s)            1.74       2.02       1.10
  Max Chl Dpth (ft)         193.57    Hydr. Depth (ft)          140.33     176.33      69.28
  Conv. Total (cfs)       179863300.0    Conv. (cfs)            125331500.0   26539200.0   27992530.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3494.02     506.63    2464.02
  Min Ch El (ft)            566.08    Shear (lb/sq ft)            0.37       0.47       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.65       0.94       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6556.97     711.50    3988.12
  C & E Loss (ft)             0.00    Cum SA (acres)             13.64       1.99      10.07


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 1023.03*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  670.61      50  670.47     350  658.35     600  650.14     650  637.47
     750  611.78     950  610.48    1100  609.23    1500  607.18    2300     610
    3200  609.52    3400  609.39 3498.79  599.27 3523.48  593.77 3646.97  566.06
 3793.94  566.06 3893.94  612.21 4086.81  659.86 4128.14  657.92 4231.46  651.51
  4327.9  651.78 4520.77  661.72 4665.42  662.14 5299.13  699.21 5340.46   701.6
 5767.53  725.54 5774.42  725.91 6235.93  737.15 6353.03   740.3

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3893.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3893.94            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.70    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.65    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       477216.40   87071.14   171085.00
  E.G. Slope (ft/ft)      0.000043    Area (sq ft)            477216.40   87071.14   171085.00
  Q Total (cfs)           1188283.00    Flow (cfs)              825662.10   175216.90   187404.10
  Top Width (ft)           6353.03    Top Width (ft)           3400.00     493.94    2459.09
  Vel Total (ft/s)            1.62    Avg. Vel. (ft/s)            1.73       2.01       1.10
  Max Chl Dpth (ft)         193.59    Hydr. Depth (ft)          140.36     176.28      69.57
  Conv. Total (cfs)       180430300.0    Conv. (cfs)            125369500.0   26605140.0   28455660.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3494.27     508.27    2486.75
  Min Ch El (ft)            566.06    Shear (lb/sq ft)            0.37       0.46       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.64       0.93       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6284.76     661.89    3891.18
  C & E Loss (ft)             0.00    Cum SA (acres)             11.70       1.71       8.67


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 998.273*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  670.45      50  670.35     350  658.27     600   650.1     650  637.27
     750  611.33     950  610.36    1100  609.22    1500  607.14    2300     610
    3200  609.64    3400  609.55 3499.09  599.45 3523.86  593.91 3647.73  566.05
 3795.45  566.05 3895.45  612.41 4090.11  659.89 4131.82  657.73  4236.1  651.13
 4333.42  651.34 4528.07  661.29 4674.06   661.6 5313.64   698.8 5355.35   701.2
 5786.36   725.3 5793.31  725.68 6259.09   737.1 6377.27  740.23

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3895.45     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3895.45            24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.69    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.65    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       477314.70   87306.99   173403.40
  E.G. Slope (ft/ft)      0.000043    Area (sq ft)            477314.70   87306.99   173403.40
  Q Total (cfs)           1188283.00    Flow (cfs)              823304.80   175081.40   189896.90
  Top Width (ft)           6377.27    Top Width (ft)           3400.00     495.45    2481.82
  Vel Total (ft/s)            1.61    Avg. Vel. (ft/s)            1.72       2.01       1.10
  Max Chl Dpth (ft)         193.60    Hydr. Depth (ft)          140.39     176.22      69.87
  Conv. Total (cfs)       181000300.0    Conv. (cfs)            125406500.0   26668550.0   28925250.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3494.52     509.89    2509.48
  Min Ch El (ft)            566.05    Shear (lb/sq ft)            0.37       0.46       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.63       0.92       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6012.49     612.15    3792.91
  C & E Loss (ft)             0.00    Cum SA (acres)              9.76       1.43       7.26
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 973.516*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   670.3      50  670.23     350  658.18     600  650.07     650  637.07
     750  610.89     950  610.24    1100  609.21    1500  607.09    2300     610
    3200  609.76    3400   609.7 3499.39  599.64 3524.24  594.05 3648.48  566.03
 3796.97  566.03 3896.97  612.61  4093.4  659.93  4135.5  657.53 4240.73  650.75
 4338.95  650.89 4535.38  660.86 4682.71  661.07 5328.14  698.38 5370.23   700.8
 5805.19  725.07 5812.21  725.45 6282.25  737.06 6401.51  740.15

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3896.97     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3896.97             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.69    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.65    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       477419.50   87547.22   175729.60
  E.G. Slope (ft/ft)      0.000043    Area (sq ft)            477419.50   87547.22   175729.60
  Q Total (cfs)           1188283.00    Flow (cfs)              820948.60   174950.30   192384.20
  Top Width (ft)           6401.51    Top Width (ft)           3400.00     496.97    2504.54
  Vel Total (ft/s)            1.60    Avg. Vel. (ft/s)            1.72       2.00       1.09
  Max Chl Dpth (ft)         193.62    Hydr. Depth (ft)          140.42     176.16      70.16
  Conv. Total (cfs)       181577600.0    Conv. (cfs)            125446500.0   26733590.0   29397590.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3494.77     511.54    2532.22
  Min Ch El (ft)            566.03    Shear (lb/sq ft)            0.37       0.46       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.63       0.91       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5740.16     562.28    3693.33
  C & E Loss (ft)             0.00    Cum SA (acres)              7.82       1.15       5.84


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 948.758*

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  670.15      50  670.12     350  658.09     600  650.03     650  636.87
     750  610.44     950  610.12    1100  609.19    1500  607.05    2300     610
    3200  609.88    3400  609.85  3499.7  599.82 3524.62  594.19 3649.24  566.02
 3798.48  566.02 3898.48   612.8  4096.7  659.96 4139.18  657.34 4245.37  650.38
 4344.47  650.45 4542.69  660.43 4691.35  660.53 5342.64  697.97 5385.12   700.4
 5824.02  724.84  5831.1  725.23 6305.41  737.01 6425.76  740.08

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3898.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3898.48             24.85   24.85   24.85             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.69    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.65    Reach Len. (ft)            24.85      24.85      24.85
  Crit W.S. (ft)                      Flow Area (sq ft)       477522.40   87783.65   178070.30
  E.G. Slope (ft/ft)      0.000043    Area (sq ft)            477522.40   87783.65   178070.30
  Q Total (cfs)           1188283.00    Flow (cfs)              818590.40   174810.00   194882.60
  Top Width (ft)           6425.76    Top Width (ft)           3400.00     498.48    2527.28
  Vel Total (ft/s)            1.60    Avg. Vel. (ft/s)            1.71       1.99       1.09
  Max Chl Dpth (ft)         193.63    Hydr. Depth (ft)          140.45     176.10      70.46
  Conv. Total (cfs)       182157400.0    Conv. (cfs)            125485500.0   26797450.0   29874460.0
  Length Wtd. (ft)           24.85    Wetted Per. (ft)         3495.02     513.16    2554.96
  Min Ch El (ft)            566.02    Shear (lb/sq ft)            0.36       0.45       0.19
  Alpha                       1.10    Stream Power (lb/ft s)      0.62       0.91       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5467.77     512.27    3592.41
  C & E Loss (ft)             0.00    Cum SA (acres)              5.88       0.86       4.40


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 924

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650     566    3800     566    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900             2.97    2.97    2.97             .1       .3
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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.69    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.65    Reach Len. (ft)            2.97       2.97       2.97
  Crit W.S. (ft)                      Flow Area (sq ft)       477627.00   88023.82   180426.50
  E.G. Slope (ft/ft)      0.000042    Area (sq ft)            477627.00   88023.82   180426.50
  Q Total (cfs)           1188283.00    Flow (cfs)              816221.10   174671.70   197390.20
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.59    Avg. Vel. (ft/s)            1.71       1.98       1.09
  Max Chl Dpth (ft)         193.65    Hydr. Depth (ft)          140.48     176.05      70.76
  Conv. Total (cfs)       182744200.0    Conv. (cfs)            125525300.0   26862490.0   30356330.0
  Length Wtd. (ft)            2.97    Wetted Per. (ft)         3495.27     514.80    2577.70
  Min Ch El (ft)            566.00    Shear (lb/sq ft)            0.36       0.45       0.18
  Alpha                       1.10    Stream Power (lb/ft s)      0.62       0.90       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5195.33     462.12    3490.15
  C & E Loss (ft)             0.00    Cum SA (acres)              3.94       0.58       2.96


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 921.058*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.94    3800  565.94    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900             2.97    2.97    2.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.69    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.65    Reach Len. (ft)            2.97       2.97       2.97
  Crit W.S. (ft)                      Flow Area (sq ft)       477626.60   88040.26   180426.20
  E.G. Slope (ft/ft)      0.000042    Area (sq ft)            477626.60   88040.26   180426.20
  Q Total (cfs)           1188283.00    Flow (cfs)              816189.80   174710.80   197382.40
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.59    Avg. Vel. (ft/s)            1.71       1.98       1.09
  Max Chl Dpth (ft)         193.71    Hydr. Depth (ft)          140.48     176.08      70.76
  Conv. Total (cfs)       182750900.0    Conv. (cfs)            125525200.0   26869500.0   30356250.0
  Length Wtd. (ft)            2.97    Wetted Per. (ft)         3495.27     514.84    2577.70
  Min Ch El (ft)            565.94    Shear (lb/sq ft)            0.36       0.45       0.18
  Alpha                       1.10    Stream Power (lb/ft s)      0.62       0.90       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5162.76     456.12    3477.85
  C & E Loss (ft)             0.00    Cum SA (acres)              3.71       0.55       2.78


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 918.117*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.88    3800  565.88    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900             2.97    2.97    2.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.69    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.65    Reach Len. (ft)            2.97       2.97       2.97
  Crit W.S. (ft)                      Flow Area (sq ft)       477626.10   88056.70   180425.90
  E.G. Slope (ft/ft)      0.000042    Area (sq ft)            477626.10   88056.70   180425.90
  Q Total (cfs)           1188283.00    Flow (cfs)              816158.40   174750.10   197374.50
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.59    Avg. Vel. (ft/s)            1.71       1.98       1.09
  Max Chl Dpth (ft)         193.77    Hydr. Depth (ft)          140.48     176.11      70.76
  Conv. Total (cfs)       182757600.0    Conv. (cfs)            125525000.0   26876520.0   30356150.0
  Length Wtd. (ft)            2.97    Wetted Per. (ft)         3495.27     514.88    2577.70
  Min Ch El (ft)            565.88    Shear (lb/sq ft)            0.36       0.45       0.18
  Alpha                       1.10    Stream Power (lb/ft s)      0.62       0.90       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5130.20     450.11    3465.55
  C & E Loss (ft)             0.00    Cum SA (acres)              3.48       0.51       2.61


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
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REACH: LOWER PALUXY       RS: 915.176*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.82    3800  565.82    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900             2.97    2.97    2.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.69    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.65    Reach Len. (ft)             2.97       2.97       2.97
  Crit W.S. (ft)                      Flow Area (sq ft)       477625.80   88073.14   180425.60
  E.G. Slope (ft/ft)      0.000042    Area (sq ft)            477625.80   88073.14   180425.60
  Q Total (cfs)           1188283.00    Flow (cfs)              816127.20   174789.10   197366.70
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.59    Avg. Vel. (ft/s)            1.71       1.98       1.09
  Max Chl Dpth (ft)         193.83    Hydr. Depth (ft)          140.48     176.15      70.76
  Conv. Total (cfs)       182764400.0    Conv. (cfs)            125524800.0   26883520.0   30356070.0
  Length Wtd. (ft)            2.97    Wetted Per. (ft)         3495.27     514.91    2577.70
  Min Ch El (ft)            565.82    Shear (lb/sq ft)            0.36       0.45       0.18
  Alpha                       1.10    Stream Power (lb/ft s)      0.62       0.90       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5097.63     444.11    3453.25
  C & E Loss (ft)             0.00    Cum SA (acres)              3.25       0.48       2.43


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 912.235*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.76    3800  565.76    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900             2.97    2.97    2.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.69    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.65    Reach Len. (ft)             2.97       2.97       2.97
  Crit W.S. (ft)                      Flow Area (sq ft)       477625.30   88089.58   180425.30
  E.G. Slope (ft/ft)      0.000042    Area (sq ft)            477625.30   88089.58   180425.30
  Q Total (cfs)           1188283.00    Flow (cfs)              816095.90   174828.30   197358.80
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.59    Avg. Vel. (ft/s)            1.71       1.98       1.09
  Max Chl Dpth (ft)         193.89    Hydr. Depth (ft)          140.48     176.18      70.76
  Conv. Total (cfs)       182771200.0    Conv. (cfs)            125524600.0   26890530.0   30355980.0
  Length Wtd. (ft)            2.97    Wetted Per. (ft)         3495.27     514.95    2577.70
  Min Ch El (ft)            565.76    Shear (lb/sq ft)            0.36       0.45       0.18
  Alpha                       1.10    Stream Power (lb/ft s)      0.62       0.90       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5065.07     438.10    3440.95
  C & E Loss (ft)             0.00    Cum SA (acres)              3.01       0.44       2.26


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 909.294*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.71    3800  565.71    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900             2.97    2.97    2.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.69    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.65    Reach Len. (ft)             2.97       2.97       2.97
  Crit W.S. (ft)                      Flow Area (sq ft)       477624.90   88103.27   180424.90
  E.G. Slope (ft/ft)      0.000042    Area (sq ft)            477624.90   88103.27   180424.90
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  Q Total (cfs)           1188283.00    Flow (cfs)              816069.90   174860.80   197352.30
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.59    Avg. Vel. (ft/s)            1.71       1.98       1.09
  Max Chl Dpth (ft)         193.94    Hydr. Depth (ft)          140.48     176.21      70.75
  Conv. Total (cfs)       182776700.0    Conv. (cfs)            125524500.0   26896360.0   30355900.0
  Length Wtd. (ft)            2.97    Wetted Per. (ft)         3495.27     514.99    2577.70
  Min Ch El (ft)            565.71    Shear (lb/sq ft)            0.36       0.45       0.18
  Alpha                       1.10    Stream Power (lb/ft s)      0.62       0.90       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5032.50     432.10    3428.64
  C & E Loss (ft)             0.00    Cum SA (acres)              2.78       0.41       2.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 906.353*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.65    3800  565.65    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900             2.97    2.97    2.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.69    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.65    Reach Len. (ft)             2.97       2.97       2.97
  Crit W.S. (ft)                      Flow Area (sq ft)       477624.50   88119.70   180424.60
  E.G. Slope (ft/ft)      0.000042    Area (sq ft)            477624.50   88119.70   180424.60
  Q Total (cfs)           1188283.00    Flow (cfs)              816038.60   174899.90   197344.50
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.59    Avg. Vel. (ft/s)            1.71       1.98       1.09
  Max Chl Dpth (ft)         194.00    Hydr. Depth (ft)          140.48     176.24      70.75
  Conv. Total (cfs)       182783400.0    Conv. (cfs)            125524300.0   26903360.0   30355810.0
  Length Wtd. (ft)            2.97    Wetted Per. (ft)         3495.27     515.03    2577.70
  Min Ch El (ft)            565.65    Shear (lb/sq ft)            0.36       0.45       0.18
  Alpha                       1.10    Stream Power (lb/ft s)      0.62       0.90       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4999.94     426.09    3416.34
  C & E Loss (ft)             0.00    Cum SA (acres)              2.55       0.38       1.91


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 903.411*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.59    3800  565.59    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900             2.97    2.97    2.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.69    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.65    Reach Len. (ft)             2.97       2.97       2.97
  Crit W.S. (ft)                      Flow Area (sq ft)       477624.10   88136.14   180424.30
  E.G. Slope (ft/ft)      0.000042    Area (sq ft)            477624.10   88136.14   180424.30
  Q Total (cfs)           1188283.00    Flow (cfs)              816007.40   174939.00   197336.60
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.59    Avg. Vel. (ft/s)            1.71       1.98       1.09
  Max Chl Dpth (ft)         194.06    Hydr. Depth (ft)          140.48     176.27      70.75
  Conv. Total (cfs)       182790200.0    Conv. (cfs)            125524100.0   26910370.0   30355730.0
  Length Wtd. (ft)            2.97    Wetted Per. (ft)         3495.27     515.06    2577.70
  Min Ch El (ft)            565.59    Shear (lb/sq ft)            0.36       0.45       0.18
  Alpha                       1.10    Stream Power (lb/ft s)      0.62       0.90       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4967.37     420.08    3404.04
  C & E Loss (ft)             0.00    Cum SA (acres)              2.32       0.34       1.74


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 900.470*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
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    3650  565.53    3800  565.53    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900             2.97    2.97    2.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.69    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.65    Reach Len. (ft)             2.97       2.97       2.97
  Crit W.S. (ft)                      Flow Area (sq ft)       477623.70   88152.57   180424.00
  E.G. Slope (ft/ft)      0.000042    Area (sq ft)            477623.70   88152.57   180424.00
  Q Total (cfs)           1188283.00    Flow (cfs)              815976.20   174978.00   197328.80
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.59    Avg. Vel. (ft/s)            1.71       1.98       1.09
  Max Chl Dpth (ft)         194.12    Hydr. Depth (ft)          140.48     176.31      70.75
  Conv. Total (cfs)       182796900.0    Conv. (cfs)            125523900.0   26917370.0   30355640.0
  Length Wtd. (ft)            2.97    Wetted Per. (ft)         3495.27     515.10    2577.70
  Min Ch El (ft)            565.53    Shear (lb/sq ft)            0.36       0.45       0.18
  Alpha                       1.10    Stream Power (lb/ft s)      0.62       0.90       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4934.80     414.07    3391.74
  C & E Loss (ft)             0.00    Cum SA (acres)              2.09       0.31       1.56


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 897.529*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.47    3800  565.47    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900             2.97    2.97    2.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.69    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.65    Reach Len. (ft)             2.97       2.97       2.97
  Crit W.S. (ft)                      Flow Area (sq ft)       477623.30   88169.03   180423.70
  E.G. Slope (ft/ft)      0.000042    Area (sq ft)            477623.30   88169.03   180423.70
  Q Total (cfs)           1188283.00    Flow (cfs)              815944.90   175017.20   197320.90
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.59    Avg. Vel. (ft/s)            1.71       1.99       1.09
  Max Chl Dpth (ft)         194.18    Hydr. Depth (ft)          140.48     176.34      70.75
  Conv. Total (cfs)       182803700.0    Conv. (cfs)            125523700.0   26924380.0   30355560.0
  Length Wtd. (ft)            2.97    Wetted Per. (ft)         3495.27     515.14    2577.70
  Min Ch El (ft)            565.47    Shear (lb/sq ft)            0.36       0.45       0.18
  Alpha                       1.10    Stream Power (lb/ft s)      0.62       0.90       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4902.24     408.06    3379.44
  C & E Loss (ft)             0.00    Cum SA (acres)              1.85       0.27       1.39


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 894.588*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.41    3800  565.41    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900             2.97    2.97    2.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.69    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.65    Reach Len. (ft)             2.97       2.97       2.97
  Crit W.S. (ft)                      Flow Area (sq ft)       477622.80   88185.47   180423.40
  E.G. Slope (ft/ft)      0.000042    Area (sq ft)            477622.80   88185.47   180423.40
  Q Total (cfs)           1188283.00    Flow (cfs)              815913.80   175056.20   197313.10
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.59    Avg. Vel. (ft/s)            1.71       1.99       1.09
  Max Chl Dpth (ft)         194.24    Hydr. Depth (ft)          140.48     176.37      70.75
  Conv. Total (cfs)       182810400.0    Conv. (cfs)            125523600.0   26931370.0   30355460.0
  Length Wtd. (ft)            2.97    Wetted Per. (ft)         3495.27     515.18    2577.70
  Min Ch El (ft)            565.41    Shear (lb/sq ft)            0.36       0.45       0.18
  Alpha                       1.10    Stream Power (lb/ft s)      0.62       0.90       0.20
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  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     4869.67     402.05    3367.14
  C & E Loss (ft)            0.00    Cum SA (acres)              1.62       0.24       1.22

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 891.647*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.35    3800  565.35    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900             2.97    2.97    2.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.69    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.65    Reach Len. (ft)             2.97       2.97       2.97
  Crit W.S. (ft)                     Flow Area (sq ft)       477622.40   88201.91   180423.10
  E.G. Slope (ft/ft)      0.000042   Area (sq ft)            477622.40   88201.91   180423.10
  Q Total (cfs)          1188283.00    Flow (cfs)            815882.50   175095.20   197305.30
  Top Width (ft)          6450.00    Top Width (ft)          3400.00     500.00    2550.00
  Vel Total (ft/s)           1.59    Avg. Vel. (ft/s)           1.71       1.99       1.09
  Max Chl Dpth (ft)        194.30    Hydr. Depth (ft)         140.48     176.40      70.75
  Conv. Total (cfs)      182817100.0    Conv. (cfs)          125523400.0   26938370.0   30355380.0
  Length Wtd. (ft)           2.97    Wetted Per. (ft)        3495.27     515.22    2577.70
  Min Ch El (ft)           565.35    Shear (lb/sq ft)           0.36       0.45       0.18
  Alpha                      1.10    Stream Power (lb/ft s)     0.62       0.90       0.20
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    4837.11     396.03    3354.83
  C & E Loss (ft)            0.00    Cum SA (acres)             1.39       0.20       1.04

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 888.705*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.29    3800  565.29    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900             2.97    2.97    2.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.69    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.65    Reach Len. (ft)             2.97       2.97       2.97
  Crit W.S. (ft)                     Flow Area (sq ft)       477622.00   88218.34   180422.80
  E.G. Slope (ft/ft)      0.000042   Area (sq ft)            477622.00   88218.34   180422.80
  Q Total (cfs)          1188283.00    Flow (cfs)            815851.30   175134.30   197297.40
  Top Width (ft)          6450.00    Top Width (ft)          3400.00     500.00    2550.00
  Vel Total (ft/s)           1.59    Avg. Vel. (ft/s)           1.71       1.99       1.09
  Max Chl Dpth (ft)        194.36    Hydr. Depth (ft)         140.48     176.44      70.75
  Conv. Total (cfs)      182823900.0    Conv. (cfs)          125523200.0   26945370.0   30355290.0
  Length Wtd. (ft)           2.97    Wetted Per. (ft)        3495.27     515.26    2577.70
  Min Ch El (ft)           565.29    Shear (lb/sq ft)           0.36       0.45       0.18
  Alpha                      1.10    Stream Power (lb/ft s)     0.62       0.90       0.20
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    4804.54     390.02    3342.53
  C & E Loss (ft)            0.00    Cum SA (acres)             1.16       0.17       0.87

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 885.764*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.24    3800  565.24    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900             2.97    2.97    2.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.69    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.65    Reach Len. (ft)             2.97       2.97       2.97
  Crit W.S. (ft)                      Flow Area (sq ft)       477621.60   88232.03   180422.40
  E.G. Slope (ft/ft)      0.000042    Area (sq ft)            477621.60   88232.03   180422.40
  Q Total (cfs)           1188283.00    Flow (cfs)              815825.40   175166.80   197290.90
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.59    Avg. Vel. (ft/s)            1.71       1.99       1.09
  Max Chl Dpth (ft)         194.41    Hydr. Depth (ft)          140.48     176.46      70.75
  Conv. Total (cfs)       182829400.0    Conv. (cfs)            125523000.0   26951190.0   30355210.0
  Length Wtd. (ft)            2.97    Wetted Per. (ft)         3495.27     515.29    2577.70
  Min Ch El (ft)            565.24    Shear (lb/sq ft)            0.36       0.45       0.18
  Alpha                       1.10    Stream Power (lb/ft s)      0.62       0.90       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4771.98     384.00    3330.23
  C & E Loss (ft)             0.00    Cum SA (acres)              0.93       0.14       0.70

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 882.823*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.18    3800  565.18    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900             2.97    2.97    2.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.69    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.65    Reach Len. (ft)             2.97       2.97       2.97
  Crit W.S. (ft)                      Flow Area (sq ft)       477621.20   88248.47   180422.10
  E.G. Slope (ft/ft)      0.000042    Area (sq ft)            477621.20   88248.47   180422.10
  Q Total (cfs)           1188283.00    Flow (cfs)              815794.10   175205.80   197283.10
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.59    Avg. Vel. (ft/s)            1.71       1.99       1.09
  Max Chl Dpth (ft)         194.47    Hydr. Depth (ft)          140.48     176.50      70.75
  Conv. Total (cfs)       182836100.0    Conv. (cfs)            125522800.0   26958190.0   30355120.0
  Length Wtd. (ft)            2.97    Wetted Per. (ft)         3495.27     515.33    2577.70
  Min Ch El (ft)            565.18    Shear (lb/sq ft)            0.36       0.45       0.18
  Alpha                       1.10    Stream Power (lb/ft s)      0.62       0.90       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4739.41     377.99    3317.93
  C & E Loss (ft)             0.00    Cum SA (acres)              0.70       0.10       0.52

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 879.882*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.12    3800  565.12    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900             2.97    2.97    2.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.69    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.65    Reach Len. (ft)             2.97       2.97       2.97
  Crit W.S. (ft)                      Flow Area (sq ft)       477620.80   88264.91   180421.80
  E.G. Slope (ft/ft)      0.000042    Area (sq ft)            477620.80   88264.91   180421.80
  Q Total (cfs)           1188283.00    Flow (cfs)              815763.00   175244.80   197275.20
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.59    Avg. Vel. (ft/s)            1.71       1.99       1.09
  Max Chl Dpth (ft)         194.53    Hydr. Depth (ft)          140.48     176.53      70.75
  Conv. Total (cfs)       182842900.0    Conv. (cfs)            125522700.0   26965180.0   30355030.0
  Length Wtd. (ft)            2.97    Wetted Per. (ft)         3495.27     515.37    2577.70
  Min Ch El (ft)            565.12    Shear (lb/sq ft)            0.36       0.45       0.18
  Alpha                       1.10    Stream Power (lb/ft s)      0.62       0.90       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4706.85     371.97    3305.63
  C & E Loss (ft)             0.00    Cum SA (acres)              0.46       0.07       0.35

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: PALUXY
REACH: LOWER PALUXY       RS: 876.941*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.06    3800  565.06    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900             2.97    2.97    2.97             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.69    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.65    Reach Len. (ft)             2.97       2.97       2.97
  Crit W.S. (ft)                      Flow Area (sq ft)       477620.30   88281.34   180421.50
  E.G. Slope (ft/ft)      0.000042    Area (sq ft)            477620.30   88281.34   180421.50
  Q Total (cfs)           1188283.00    Flow (cfs)              815731.80   175283.80   197267.40
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.59    Avg. Vel. (ft/s)            1.71       1.99       1.09
  Max Chl Dpth (ft)         194.59    Hydr. Depth (ft)          140.48     176.56      70.75
  Conv. Total (cfs)       182849600.0    Conv. (cfs)            125522500.0   26972170.0   30354950.0
  Length Wtd. (ft)            2.97    Wetted Per. (ft)         3495.27     515.41    2577.70
  Min Ch El (ft)            565.06    Shear (lb/sq ft)            0.36       0.45       0.18
  Alpha                       1.10    Stream Power (lb/ft s)      0.62       0.90       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4674.28     365.95    3293.33
  C & E Loss (ft)             0.00    Cum SA (acres)              0.23       0.03       0.17


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 874

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650     565    3800     565    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.69    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.65    Reach Len. (ft)           200.00     200.00     200.00
  Crit W.S. (ft)                      Flow Area (sq ft)       477619.90   88297.78   180421.20
  E.G. Slope (ft/ft)      0.000042    Area (sq ft)            477619.90   88297.78   180421.20
  Q Total (cfs)           1188283.00    Flow (cfs)              815700.60   175322.80   197259.60
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.59    Avg. Vel. (ft/s)            1.71       1.99       1.09
  Max Chl Dpth (ft)         194.65    Hydr. Depth (ft)          140.48     176.60      70.75
  Conv. Total (cfs)       182856300.0    Conv. (cfs)            125522300.0   26979160.0   30354860.0
  Length Wtd. (ft)          200.00    Wetted Per. (ft)         3495.27     515.45    2577.70
  Min Ch El (ft)            565.00    Shear (lb/sq ft)            0.36       0.45       0.18
  Alpha                       1.10    Stream Power (lb/ft s)      0.62       0.90       0.20
  Frctn Loss (ft)             0.04    Cum Volume (acre-ft)     4641.72     359.93    3281.03
  C & E Loss (ft)             0.01    Cum SA (acres)

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24757

INPUT
Description:
Station Elevation Data    num=      17
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810     250     790     850     720    1000     720    1200     710
    1400     700    1500     703    1875     671    2500     660    2775     660
    2825     650    2825     646    2900     646    3000     660    3125     660
    3600     668    4000     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2775     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2775    3000                10      10      10             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)            10.00      10.00      10.00
  Crit W.S. (ft)                      Flow Area (sq ft)       152560.20   24491.62   73179.72
```

```
  E.G. Slope (ft/ft)      0.000022    Area (sq ft)            152560.20   24491.62   73179.72
  Q Total (cfs)           206224.30    Flow (cfs)              118069.80   25703.34   62451.20
  Top Width (ft)           3420.98    Top Width (ft)           2267.54     225.00     928.44
  Vel Total (ft/s)            0.82    Avg. Vel. (ft/s)            0.77       1.05       0.85
  Max Chl Dpth (ft)         113.96    Hydr. Depth (ft)           67.28     108.85      78.82
  Conv. Total (cfs)       43609930.0    Conv. (cfs)             24968030.0   5435446.0   13206460.0
  Length Wtd. (ft)          10.00    Wetted Per. (ft)         2271.87     230.97     941.14
  Min Ch El (ft)           646.00    Shear (lb/sq ft)            0.09       0.15       0.11
  Alpha                      1.03    Stream Power (lb/ft s)      0.07       0.16       0.09
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    405286.20   23629.77   159504.40
  C & E Loss (ft)            0.00    Cum SA (acres)           3814.00     157.53    1451.87


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24747

INPUT
Description:
Station Elevation Data    num=      17
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810     250     790     850     720    1000     720    1200     710
    1400     700    1500     703    1875     671    2500     660    2775     660
    2825     650    2825     645    2900     645    3000     660    3125     660
    3600     668    4000     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2775     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2775    3000               49      49      49             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)            49.00      49.00      49.00
  Crit W.S. (ft)                      Flow Area (sq ft)       152559.70   24616.57   73179.48
  E.G. Slope (ft/ft)      0.000022    Area (sq ft)            152559.70   24616.57   73179.48
  Q Total (cfs)           206224.30    Flow (cfs)              117993.10   25820.43   62410.72
  Top Width (ft)           3420.97    Top Width (ft)           2267.54     225.00     928.44
  Vel Total (ft/s)            0.82    Avg. Vel. (ft/s)            0.77       1.05       0.85
  Max Chl Dpth (ft)         114.96    Hydr. Depth (ft)           67.28     109.41      78.82
  Conv. Total (cfs)       43638010.0    Conv. (cfs)             24967890.0   5463721.0   13206400.0
  Length Wtd. (ft)          49.00    Wetted Per. (ft)         2271.86     232.11     941.14
  Min Ch El (ft)           645.00    Shear (lb/sq ft)            0.09       0.15       0.11
  Alpha                      1.03    Stream Power (lb/ft s)      0.07       0.16       0.09
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    405251.10   23624.13   159487.60
  C & E Loss (ft)            0.00    Cum SA (acres)           3813.48     157.48    1451.66


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24698.*

INPUT
Description:
Station Elevation Data    num=      17
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810     250     790     850     720    1000     720    1200     710
    1400     700    1500     703    1875     671    2500     660    2775     660
    2825     650    2825  644.67    2900  644.67    3000     660    3125     660
    3600     668    4000     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2775     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2775    3000               49      49      49             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)            49.00      49.00      49.00
  Crit W.S. (ft)                      Flow Area (sq ft)       152557.20   24657.57   73178.47
  E.G. Slope (ft/ft)      0.000022    Area (sq ft)            152557.20   24657.57   73178.47
  Q Total (cfs)           206224.30    Flow (cfs)              117967.70   25859.02   62397.54
  Top Width (ft)           3420.96    Top Width (ft)           2267.53     225.00     928.43
  Vel Total (ft/s)            0.82    Avg. Vel. (ft/s)            0.77       1.05       0.85
  Max Chl Dpth (ft)         115.29    Hydr. Depth (ft)           67.28     109.59      78.82
  Conv. Total (cfs)       43646350.0    Conv. (cfs)             24967290.0   5472934.0   13206130.0
  Length Wtd. (ft)          49.00    Wetted Per. (ft)         2271.85     232.49     941.13
  Min Ch El (ft)           644.67    Shear (lb/sq ft)            0.09       0.15       0.11
  Alpha                      1.03    Stream Power (lb/ft s)      0.07       0.16       0.09
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    405079.50   23596.42   159405.30
  C & E Loss (ft)            0.00    Cum SA (acres)           3810.93     157.23    1450.61


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24649.*

INPUT
Description:
Station Elevation Data    num=      17
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810     250     790     850     720    1000     720    1200     710
    1400     700    1500     703    1875     671    2500     660    2775     660
    2825     650    2825  644.33    2900  644.33    3000     660    3125     660
    3600     668    4000     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2775     .15    3000     .15
```

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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2775    3000               49      49      49             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)            49.00      49.00      49.00
  Crit W.S. (ft)                      Flow Area (sq ft)       152554.70   24699.82   73177.45
  E.G. Slope (ft/ft)      0.000022    Area (sq ft)            152554.70   24699.82   73177.45
  Q Total (cfs)           206224.30    Flow (cfs)             117941.60   25898.70   62383.98
  Top Width (ft)           3420.95    Top Width (ft)           2267.52     225.00     928.43
  Vel Total (ft/s)            0.82    Avg. Vel. (ft/s)            0.77       1.05       0.85
  Max Chl Dpth (ft)         115.63    Hydr. Depth (ft)           67.28     109.78      78.82
  Conv. Total (cfs)       43654940.0    Conv. (cfs)             24966670.0   5482411.0   13205860.0
  Length Wtd. (ft)           49.00    Wetted Per. (ft)         2271.85     232.88     941.13
  Min Ch El (ft)            644.33    Shear (lb/sq ft)            0.09       0.15       0.11
  Alpha                       1.03    Stream Power (lb/ft s)      0.07       0.15       0.09
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    404907.90   23568.66   159322.90
  C & E Loss (ft)             0.00    Cum SA (acres)           3808.38     156.98    1449.57


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24600

INPUT
Description:
Station Elevation Data    num=      17
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810     250     790     850     720    1000     720    1200     710
    1400     700    1500     703    1875     671    2500     660    2775     660
    2825     650    2825     644    2900     644    3000     660    3125     660
    3600     668    4000     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2775     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2775    3000             23.77   23.77   23.77             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)            23.77      23.77      23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       152552.20   24740.83   73176.43
  E.G. Slope (ft/ft)      0.000022    Area (sq ft)            152552.20   24740.83   73176.43
  Q Total (cfs)           206224.30    Flow (cfs)             117916.30   25937.13   62370.85
  Top Width (ft)           3420.93    Top Width (ft)           2267.51     225.00     928.43
  Vel Total (ft/s)            0.82    Avg. Vel. (ft/s)            0.77       1.05       0.85
  Max Chl Dpth (ft)         115.96    Hydr. Depth (ft)           67.28     109.96      78.82
  Conv. Total (cfs)       43663240.0    Conv. (cfs)             24966060.0   5491590.0   13205590.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2271.84     233.26     941.12
  Min Ch El (ft)            644.00    Shear (lb/sq ft)            0.09       0.15       0.11
  Alpha                       1.03    Stream Power (lb/ft s)      0.07       0.15       0.09
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    404736.30   23540.85   159240.60
  C & E Loss (ft)             0.00    Cum SA (acres)           3805.83     156.72    1448.52


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24576.2*

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810   50.42  806.27  249.83  790.67  403.36  773.45  806.71  725.37
  849.41  720.51  999.31  719.59 1008.39  719.12 1008.39  718.73 1184.86  710.58
 1199.17   710.1 1210.07  709.73 1260.49   707.4 1399.03   701.6 1498.96   704.8
 1563.01  700.03  1815.1  680.16  1815.1  679.77 1865.52  675.34  1873.7  674.66
 2268.88  666.81 2470.56  660.84 2498.27  660.32 2647.03     660 2773.08     660
 2823.08  649.46 2823.08  643.92    2900  643.92    3000     660 3128.85  660.18
  3552.2  667.15 3618.46  669.54 4030.77  781.54

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2773.08     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2773.08    3000             23.77   23.77   23.77             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)            23.77      23.77      23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       149140.90   24986.95   74752.63
  E.G. Slope (ft/ft)      0.000023    Area (sq ft)            149140.90   24986.95   74752.63
  Q Total (cfs)           206224.30    Flow (cfs)             115271.50   26565.69   64387.13
  Top Width (ft)           3434.78    Top Width (ft)           2256.54     226.92     951.32
  Vel Total (ft/s)            0.83    Avg. Vel. (ft/s)            0.77       1.06       0.86
  Max Chl Dpth (ft)         116.04    Hydr. Depth (ft)           66.09     110.11      78.58
  Conv. Total (cfs)       43144530.0    Conv. (cfs)             24116140.0   5557853.0   13470540.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2261.45     234.84     963.48
  Min Ch El (ft)            643.92    Shear (lb/sq ft)            0.09       0.15       0.11
  Alpha                       1.04    Stream Power (lb/ft s)      0.07       0.16       0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    404654.00   23527.28   159200.30
  C & E Loss (ft)             0.00    Cum SA (acres)           3804.59     156.60    1448.01


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24552.4*

INPUT
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Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810   50.38  806.58  249.65  791.34  403.08  774.83  806.15  725.76
  848.82  721.02  998.61  719.19 1007.69  718.69 1007.69  717.92 1184.04  710.45
 1198.34   710.2 1209.23     710 1259.62  707.87 1398.06   703.2 1497.92   706.6
 1561.92  702.53 1813.85  684.31 1813.85  683.54 1864.23  678.98  1872.4  678.33
 2267.31  669.57 2468.85  661.18 2496.53  660.65 2645.19     660 2771.15     660
 2821.15  648.92 2821.15  643.85    2900  643.85    3000     660 3132.69  660.36
 3568.68  667.39 3636.92  671.08 4061.54  783.08

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2771.15     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2771.15    3000             23.77   23.77   23.77              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)            23.77      23.77      23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       145741.80   25233.28   76295.57
  E.G. Slope (ft/ft)      0.000023    Area (sq ft)            145741.80   25233.28   76295.57
  Q Total (cfs)           206224.30    Flow (cfs)             112602.10   27208.44   66413.78
  Top Width (ft)           3448.63    Top Width (ft)           2245.91     228.85     973.88
  Vel Total (ft/s)            0.83    Avg. Vel. (ft/s)            0.77       1.08       0.87
  Max Chl Dpth (ft)         116.11    Hydr. Depth (ft)           64.89     110.26      78.34
  Conv. Total (cfs)       42628100.0    Conv. (cfs)            23275690.0   5624188.0   13728230.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2251.45     236.43     985.56
  Min Ch El (ft)            643.85    Shear (lb/sq ft)            0.09       0.16       0.11
  Alpha                       1.04    Stream Power (lb/ft s)      0.07       0.17       0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    404573.50   23513.58   159159.00
  C & E Loss (ft)             0.00    Cum SA (acres)           3803.36     156.47    1447.49


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24528.6*

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810   50.35  806.9  249.48  792.01   402.8  776.21  805.59  726.14
  848.23  721.53  997.92  718.78 1006.99  718.27 1006.99  717.11 1183.22  710.32
 1197.51  710.29 1208.39  710.27 1258.74  708.33 1397.09   704.8 1496.88   708.4
 1560.84  705.02 1812.59  688.46 1812.59  687.31 1862.94  682.61  1871.1  681.99
 2265.73  672.34 2467.13  661.53  2494.8  660.97 2643.36     660 2769.23     660
 2819.23  648.38 2819.23  643.77    2900  643.77    3000     660 3136.54  660.54
 3585.16  667.63 3655.38  672.62 4092.31  784.62

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2769.23     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2769.23    3000             23.77   23.77   23.77              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)            23.77      23.77      23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       142362.40   25479.97   77807.88
  E.G. Slope (ft/ft)      0.000024    Area (sq ft)            142362.40   25479.97   77807.88
  Q Total (cfs)           206224.30    Flow (cfs)             109909.20   27864.20   68450.87
  Top Width (ft)           3462.55    Top Width (ft)           2235.68     230.77     996.10
  Vel Total (ft/s)            0.84    Avg. Vel. (ft/s)            0.77       1.09       0.88
  Max Chl Dpth (ft)         116.19    Hydr. Depth (ft)           63.68     110.41      78.11
  Conv. Total (cfs)       42116450.0    Conv. (cfs)            22446370.0   5690606.0   13979480.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2241.94     238.02    1007.35
  Min Ch El (ft)            643.77    Shear (lb/sq ft)            0.10       0.16       0.12
  Alpha                       1.04    Stream Power (lb/ft s)      0.07       0.18       0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    404494.90   23499.74   159117.00
  C & E Loss (ft)             0.00    Cum SA (acres)           3802.14     156.35    1446.95


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24504.9*

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810   50.31  807.21  249.31  792.68  402.52  777.59  805.03  726.53
  847.64  722.03  997.23  718.38 1006.29  717.84 1006.29   716.3  1182.4  710.19
 1196.67  710.39 1207.55  710.55 1257.87   708.8 1396.12   706.4 1495.84   710.2
 1559.76  707.52 1811.33  692.62 1811.33  691.08 1861.64  686.25  1869.8  685.65
 2264.16   675.1 2465.42  661.88 2493.07   661.3 2641.52     660 2767.31     660
 2817.31  647.85 2817.31  643.69    2900  643.69    3000     660 3140.38  660.72
 3601.65  667.87 3673.85  674.15 4123.08  786.15

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2767.31     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2767.31    3000             23.77   23.77   23.77              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)            23.77      23.77      23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       138992.20   25726.72   79294.70
  E.G. Slope (ft/ft)      0.000025    Area (sq ft)            138992.20   25726.72   79294.70
  Q Total (cfs)           206224.30    Flow (cfs)             107186.10   28532.76   70505.44
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  Top Width (ft)           3476.49    Top Width (ft)           2225.78     232.69    1018.02
  Vel Total (ft/s)            0.85    Avg. Vel. (ft/s)            0.77       1.11       0.89
  Max Chl Dpth (ft)         116.27    Hydr. Depth (ft)           62.45     110.56      77.89
  Conv. Total (cfs)       41608710.0    Conv. (cfs)             21626330.0   5756895.0   14225480.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2232.84     239.63    1028.88
  Min Ch El (ft)            643.69    Shear (lb/sq ft)            0.10       0.16       0.12
  Alpha                       1.05    Stream Power (lb/ft s)      0.07       0.18       0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    404418.20   23485.77   159074.10
  C & E Loss (ft)             0.00    Cum SA (acres)           3800.92     156.22    1446.40


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24481.1*

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810   50.28  807.52  249.13  793.35  402.24  778.97  804.48  726.91
  847.05  722.54  996.53  717.97 1005.59  717.41 1005.59  715.49 1181.57  710.06
 1195.84  710.49 1206.71  710.82 1256.99  709.27 1395.15  707.99  1494.8     712
 1558.67  710.02 1810.07  696.77 1810.07  694.85 1860.35  689.89  1868.5  689.31
 2262.59  677.87 2463.71  662.22 2491.34  661.62 2639.69     660 2765.38     660
 2815.38  647.31 2815.38  643.62    2900  643.62    3000     660 3144.23   660.9
 3618.13   668.1 3692.31  675.69 4153.85  787.69

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2765.38     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2765.38    3000             23.77   23.77   23.77             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.96    Reach Len. (ft)            23.77      23.77      23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       135637.40   25973.86   80750.74
  E.G. Slope (ft/ft)      0.000025    Area (sq ft)            135637.40   25973.86   80750.74
  Q Total (cfs)           206224.30    Flow (cfs)             104437.90   29215.29   72571.08
  Top Width (ft)           3490.40    Top Width (ft)           2216.22     234.62    1039.56
  Vel Total (ft/s)            0.85    Avg. Vel. (ft/s)            0.77       1.12       0.90
  Max Chl Dpth (ft)         116.34    Hydr. Depth (ft)           61.20     110.71      77.68
  Conv. Total (cfs)       41106370.0    Conv. (cfs)             20817450.0   5823439.0   14465480.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2224.14     241.23    1050.08
  Min Ch El (ft)            643.62    Shear (lb/sq ft)            0.10       0.17       0.12
  Alpha                       1.05    Stream Power (lb/ft s)      0.07       0.19       0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    404343.30   23471.67   159030.50
  C & E Loss (ft)             0.00    Cum SA (acres)           3799.71     156.10    1445.84


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24457.3*

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810   50.24  807.83  248.96  794.02  401.96  780.35  803.92   727.3
  846.47  723.05  995.84  717.56  1004.9  716.99  1004.9  714.68 1180.75  709.92
 1195.01  710.59 1205.87  711.09 1256.12  709.73 1394.18  709.59 1493.76   713.8
 1557.59  712.52 1808.81  700.93 1808.81  698.62 1859.06  693.53  1867.2  692.98
 2261.01  680.64 2461.99  662.57  2489.6  661.95 2637.85     660 2763.46     660
 2813.46  646.77 2813.46  643.54    2900  643.54    3000     660 3148.08  661.08
 3634.62  668.34 3710.77  677.23 4184.62  789.23

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2763.46     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2763.46    3000             23.77   23.77   23.77             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)            23.77      23.77      23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       132289.70   26221.44   82175.91
  E.G. Slope (ft/ft)      0.000026    Area (sq ft)            132289.70   26221.44   82175.91
  Q Total (cfs)           206224.30    Flow (cfs)             101661.90   29912.90   74649.49
  Top Width (ft)           3504.26    Top Width (ft)           2206.96     236.54    1060.76
  Vel Total (ft/s)            0.86    Avg. Vel. (ft/s)            0.77       1.14       0.91
  Max Chl Dpth (ft)         116.41    Hydr. Depth (ft)           59.94     110.85      77.47
  Conv. Total (cfs)       40607240.0    Conv. (cfs)             20018060.0   5890093.0   14699090.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2215.84     242.84    1070.98
  Min Ch El (ft)            643.54    Shear (lb/sq ft)            0.10       0.17       0.12
  Alpha                       1.06    Stream Power (lb/ft s)      0.07       0.20       0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    404270.20   23457.43   158986.00
  C & E Loss (ft)             0.00    Cum SA (acres)           3798.50     155.97    1445.27


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24433.6*

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810   50.21  808.14  248.79  794.68  401.68  781.73  803.36  727.69
  845.88  723.56  995.15  717.16  1004.2  716.56  1004.2  713.87 1179.93  709.79
 1194.18  710.68 1205.03  711.36 1255.24   710.2 1393.21  711.19 1492.72   715.6
  1556.5  715.01 1807.55  705.08 1807.55  702.39 1857.76  697.17  1865.9  696.64
 2259.44   683.4 2460.28  662.92 2487.87  662.27 2636.01     660 2761.54     660
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 2811.54  646.23 2811.54  643.46    2900  643.46    3000     660 3151.92  661.26
  3651.1  668.58 3729.23  678.77 4215.38  790.77

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2761.54     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2761.54    3000            23.77   23.77   23.77             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)            23.77      23.77      23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       128960.10   26469.29   83573.03
  E.G. Slope (ft/ft)      0.000026    Area (sq ft)            128960.10   26469.29   83573.03
  Q Total (cfs)           206224.30    Flow (cfs)              98864.34   30622.56   76737.41
  Top Width (ft)           3518.07    Top Width (ft)           2198.00     238.46    1081.62
  Vel Total (ft/s)            0.86    Avg. Vel. (ft/s)            0.77       1.16       0.92
  Max Chl Dpth (ft)         116.49    Hydr. Depth (ft)           58.67     111.00      77.27
  Conv. Total (cfs)       40115560.0    Conv. (cfs)             19231480.0   5956820.0   14927260.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2207.88     244.45    1091.57
  Min Ch El (ft)            643.46    Shear (lb/sq ft)            0.10       0.18       0.13
  Alpha                       1.07    Stream Power (lb/ft s)      0.07       0.21       0.12
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    404198.90   23443.05   158940.80
  C & E Loss (ft)             0.00    Cum SA (acres)           3797.30     155.84    1444.68


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24409.8*

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810   50.17  808.45  248.61  795.35   401.4  783.11   802.8  728.07
  845.29  724.07  994.46  716.75  1003.5  716.13  1003.5  713.06 1179.11  709.66
 1193.35  710.78  1204.2  711.64 1254.37  710.67 1392.24  712.79 1491.68   717.4
 1555.42  717.51 1806.29  709.23 1806.29  706.16 1856.47  700.81  1864.6   700.3
 2257.87  686.17 2458.57  663.26 2486.14  662.59 2634.18     660 2759.62     660
 2809.62  645.69 2809.62  643.38    2900  643.38    3000     660 3155.77  661.44
 3667.58  668.81 3747.69  680.31 4246.15  792.31

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2759.62     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2759.62    3000            23.77   23.77   23.77             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.97    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)            23.77      23.77      23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       125641.00   26717.47   84946.77
  E.G. Slope (ft/ft)      0.000027    Area (sq ft)            125641.00   26717.47   84946.77
  Q Total (cfs)           206224.30    Flow (cfs)              96037.66   31344.84   78841.80
  Top Width (ft)           3531.86    Top Width (ft)           2189.34     240.38    1102.14
  Vel Total (ft/s)            0.87    Avg. Vel. (ft/s)            0.76       1.17       0.93
  Max Chl Dpth (ft)         116.57    Hydr. Depth (ft)           57.39     111.15      77.07
  Conv. Total (cfs)       39630700.0    Conv. (cfs)             18455830.0   6023627.0   15151250.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2200.31     246.07    1111.86
  Min Ch El (ft)            643.38    Shear (lb/sq ft)            0.10       0.18       0.13
  Alpha                       1.07    Stream Power (lb/ft s)      0.07       0.22       0.12
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    404129.40   23428.54   158894.80
  C & E Loss (ft)             0.00    Cum SA (acres)           3796.11     155.71    1444.08


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24386.0*

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810   50.14  808.76  248.44  796.02  401.12  784.48  802.24  728.46
   844.7  724.58  993.76  716.35  1002.8  715.71  1002.8  712.24 1178.29  709.53
 1192.52  710.88 1203.36  711.91  1253.5  711.13 1391.27  714.39 1490.64   719.2
 1554.34  720.01 1805.03  713.39 1805.03  709.92 1855.17  704.45 1863.31  703.96
 2256.29  688.94 2456.85  663.61 2484.41  662.92 2632.34     660 2757.69     660
 2807.69  645.15 2807.69  643.31    2900  643.31    3000     660 3159.62  661.62
 3684.07  669.05 3766.15  681.85 4276.92  793.85

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2757.69     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2757.69    3000            23.77   23.77   23.77             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)            23.77      23.77      23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       122329.30   26965.70   86291.66
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            122329.30   26965.70   86291.66
  Q Total (cfs)           206224.30    Flow (cfs)              93185.16   32081.03   80958.13
  Top Width (ft)           3545.58    Top Width (ft)           2180.94     242.31    1122.33
  Vel Total (ft/s)            0.88    Avg. Vel. (ft/s)            0.76       1.19       0.94
  Max Chl Dpth (ft)         116.64    Hydr. Depth (ft)           56.09     111.29      76.89
  Conv. Total (cfs)       39150770.0    Conv. (cfs)             17690790.0   6090442.0   15369540.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2193.11     247.69    1131.84
  Min Ch El (ft)            643.31    Shear (lb/sq ft)            0.10       0.19       0.13
  Alpha                       1.08    Stream Power (lb/ft s)      0.07       0.22       0.12
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    404061.80   23413.89   158848.10
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  C & E Loss (ft)             0.00    Cum SA (acres)           3794.91     155.58    1443.48


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 24362.3*

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810    50.1  809.07  248.27  796.69  400.84  785.86  801.68  728.84
  844.11  725.09  993.07  715.94  1002.1  715.28  1002.1  711.43 1177.46   709.4
 1191.68  710.98 1202.52  712.18 1252.62   711.6  1390.3  715.99  1489.6     721
 1553.25  722.51 1803.78  717.54 1803.78  713.69 1853.88  708.08 1862.01  707.63
 2254.72   691.7 2455.14  663.96 2482.68  663.24 2630.51     660 2755.77     660
 2805.77  644.62 2805.77  643.23    2900  643.23    3000     660 3163.46  661.79
 3700.55  669.29 3784.62  683.38 4307.69  795.38

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2755.77     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2755.77    3000            23.77   23.77   23.77             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)            23.77      23.77      23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       119032.30   27214.19   87619.32
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            119032.30   27214.19   87619.32
  Q Total (cfs)           206224.30    Flow (cfs)              90307.73   32826.24   83090.33
  Top Width (ft)           3559.25    Top Width (ft)           2172.79     244.23    1142.23
  Vel Total (ft/s)            0.88    Avg. Vel. (ft/s)            0.76       1.21       0.95
  Max Chl Dpth (ft)         116.72    Hydr. Depth (ft)           54.78     111.43      76.71
  Conv. Total (cfs)       38681250.0    Conv. (cfs)            16938910.0   6157180.0   15585160.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2186.20     249.33    1151.57
  Min Ch El (ft)            643.23    Shear (lb/sq ft)            0.10       0.19       0.14
  Alpha                       1.09    Stream Power (lb/ft s)      0.07       0.23       0.13
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    403995.90   23399.11   158800.60
  C & E Loss (ft)             0.00    Cum SA (acres)           3793.73     155.44    1442.86


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 24338.5*

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810   50.07  809.38  248.09  797.36  400.56  787.24  801.12  729.23
  843.52   725.6  992.38  715.53  1001.4  714.85  1001.4  710.62 1176.64  709.26
 1190.85  711.07 1201.68  712.45 1251.75  712.07 1389.33  717.59 1488.57   722.8
 1552.17     725 1802.52  721.69 1802.52  717.46 1852.59  711.72 1860.71  711.29
 2253.15  694.47 2453.43  664.31 2480.94  663.57 2628.67     660 2753.85     660
 2803.85  644.08 2803.85  643.15    2900  643.15    3000     660 3167.31  661.97
 3717.03  669.53 3803.08  684.92 4338.46  796.92

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2753.85     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2753.85    3000            23.77   23.77   23.77             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)            23.77      23.77      23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       115744.70   27463.22   88914.55
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            115744.70   27463.22   88914.55
  Q Total (cfs)           206224.30    Flow (cfs)              87410.99   33585.93   85227.38
  Top Width (ft)           3572.74    Top Width (ft)           2164.85     246.15    1161.74
  Vel Total (ft/s)            0.89    Avg. Vel. (ft/s)            0.76       1.22       0.96
  Max Chl Dpth (ft)         116.80    Hydr. Depth (ft)           53.47     111.57      76.54
  Conv. Total (cfs)       38217810.0    Conv. (cfs)            16199140.0   6224197.0   15794470.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2179.57     250.96    1170.93
  Min Ch El (ft)            643.15    Shear (lb/sq ft)            0.10       0.20       0.14
  Alpha                       1.10    Stream Power (lb/ft s)      0.07       0.24       0.13
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    403931.80   23384.19   158752.50
  C & E Loss (ft)             0.00    Cum SA (acres)           3792.54     155.31    1442.23


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 24314.7*

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810   50.03  809.69  247.92  798.03  400.28  788.62  800.56  729.61
  842.93   726.1  991.68  715.13  1000.7  714.43  1000.7  709.81 1175.82  709.13
 1190.02  711.17 1200.84  712.73 1250.87  712.53 1388.36  719.19 1487.53   724.6
 1551.08   727.5 1801.26  725.85 1801.26  721.23 1851.29  715.36 1859.41  714.95
 2251.57  697.23 2451.71  664.65 2479.21  663.89 2626.84     660 2751.92     660
 2801.92  643.54 2801.92  643.08    2900  643.08    3000     660 3171.15  662.15
 3733.52  669.76 3821.54  686.46 4369.23  798.46

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2751.92     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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       2751.92    3000            23.77   23.77   23.77             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)            23.77      23.77      23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       112470.30   27712.27   90189.47
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            112470.30   27712.27   90189.47
  Q Total (cfs)           206224.30    Flow (cfs)              84491.99   34355.29   87377.02
  Top Width (ft)           3586.14    Top Width (ft)           2157.16     248.08    1180.91
  Vel Total (ft/s)            0.90    Avg. Vel. (ft/s)            0.75       1.24       0.97
  Max Chl Dpth (ft)         116.87    Hydr. Depth (ft)           52.14     111.71      76.37
  Conv. Total (cfs)       37764200.0    Conv. (cfs)             15472340.0   6291208.0   16000650.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2173.28     252.60    1189.98
  Min Ch El (ft)            643.08    Shear (lb/sq ft)            0.10       0.20       0.14
  Alpha                       1.10    Stream Power (lb/ft s)      0.07       0.25       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    403869.60   23369.13   158703.60
  C & E Loss (ft)             0.00    Cum SA (acres)           3791.36     155.17    1441.59


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24291

INPUT
Description:
Station Elevation Data    num=      22
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810      50     810     400     790     800     730    1000     714
    1000     709    1175     709    1200     713    1250     713    1550     730
    1800     730    1800     725    1850     719    2250     700    2450     665
    2625     660    2750     660    2800     643    2900     643    3000     660
    3750     670    4400     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2750     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2750    3000              385     385     385             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.96    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.95    Reach Len. (ft)           385.00     385.00     385.00
  Crit W.S. (ft)                      Flow Area (sq ft)       109199.70   27961.88   91437.02
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            109199.70   27961.88   91437.02
  Q Total (cfs)           206224.30    Flow (cfs)              81551.66   35138.02   89534.62
  Top Width (ft)           3599.39    Top Width (ft)           2149.65     250.00    1199.74
  Vel Total (ft/s)            0.90    Avg. Vel. (ft/s)            0.75       1.26       0.98
  Max Chl Dpth (ft)         116.95    Hydr. Depth (ft)           50.80     111.85      76.21
  Conv. Total (cfs)       37317110.0    Conv. (cfs)             14757100.0   6358365.0   16201650.0
  Length Wtd. (ft)          385.00    Wetted Per. (ft)         2167.24     254.25    1208.71
  Min Ch El (ft)            643.00    Shear (lb/sq ft)            0.10       0.21       0.14
  Alpha                       1.11    Stream Power (lb/ft s)      0.07       0.26       0.14
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    403809.10   23353.95   158654.00
  C & E Loss (ft)             0.00    Cum SA (acres)           3790.19     155.04    1440.94


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 23906

INPUT
Description:
Station Elevation Data    num=      23
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     801     200     790     500     737     700     720     990     706
    1000     700    1200     700    1550     719    1625     720    1700     722
    1800     722    2000     710    2225     690    2400     660    2575     642
    2650     642    2700     660    2900     660    3200     669    3500     671
    3625     671    3750     678    4400     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2400     .15    2700     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2400    2700             112.67  112.67  112.67             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.95    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.94    Reach Len. (ft)           112.67     112.67     112.67
  Crit W.S. (ft)                      Flow Area (sq ft)        98484.41   33356.49   115283.10
  E.G. Slope (ft/ft)      0.000025    Area (sq ft)             98484.41   33356.49   115283.10
  Q Total (cfs)           206224.30    Flow (cfs)              64758.63   37897.32   103568.40
  Top Width (ft)           3816.40    Top Width (ft)           2029.84     300.00    1486.56
  Vel Total (ft/s)            0.83    Avg. Vel. (ft/s)            0.66       1.14       0.90
  Max Chl Dpth (ft)         117.94    Hydr. Depth (ft)           48.52     111.19      77.55
  Conv. Total (cfs)       41205820.0    Conv. (cfs)             12939470.0   7572289.0   20694060.0
  Length Wtd. (ft)          112.67    Wetted Per. (ft)         2038.92     304.06    1494.52
  Min Ch El (ft)            642.00    Shear (lb/sq ft)            0.08       0.17       0.12
  Alpha                       1.12    Stream Power (lb/ft s)      0.05       0.19       0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    402891.30   23082.97   157740.50
  C & E Loss (ft)             0.00    Cum SA (acres)           3771.72     152.61    1429.07


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 23793.3*

INPUT
Description:
Station Elevation Data    num=      42
```

```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     801  202.78  791.12     292  779.64  389.33  768.33  506.94  746.61
  535.33  743.08  709.72  731.14  827.33  725.93  973.33  710.97 1003.75  709.06
 1013.89  704.75    1168     700 1216.67     697 1216.67  696.33 1557.33  708.49
 1571.53  709.27 1647.57  711.37 1723.61  714.13    1752  714.67    1825  715.17
 1849.33  714.37 1946.67   709.2 1995.33  708.61 2027.78  707.16 2238.67  693.67
  2255.9  692.43    2336   682.3 2433.33  661.67    2575  641.67 2641.67  641.67
 2680.56     653    2700     660 2907.84     660 3164.91  664.95 3219.61  666.98
 3350.88  669.89 3531.37  670.67 3661.27  670.67 3722.81  672.88 3791.18  676.56
 3908.77  692.83 4466.67  800.67

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2433.33     .15    2700     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2433.33    2700           112.67  112.67  112.67             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.95    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.94    Reach Len. (ft)           112.67     112.67     112.67
  Crit W.S. (ft)                      Flow Area (sq ft)       98854.48   29612.64   122501.70
  E.G. Slope (ft/ft)      0.000024    Area (sq ft)            98854.48   29612.64   122501.70
  Q Total (cfs)           206224.30    Flow (cfs)             64484.87   32863.45   108876.00
  Top Width (ft)           3821.15    Top Width (ft)          1998.55     266.67    1555.94
  Vel Total (ft/s)            0.82    Avg. Vel. (ft/s)           0.65       1.11       0.89
  Max Chl Dpth (ft)         118.27    Hydr. Depth (ft)          49.46     111.05      78.73
  Conv. Total (cfs)       42082880.0    Conv. (cfs)           13159020.0   6706237.0   22217630.0
  Length Wtd. (ft)          112.67    Wetted Per. (ft)         2006.83     270.91    1563.74
  Min Ch El (ft)            641.67    Shear (lb/sq ft)           0.07       0.16       0.12
  Alpha                       1.11    Stream Power (lb/ft s)     0.05       0.18       0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   402636.10   23001.53   157433.00
  C & E Loss (ft)             0.00    Cum SA (acres)          3766.51     151.87    1425.14


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 23680.6*

INPUT
Description:
Station Elevation Data    num=      42
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     801  205.56  792.24     296  784.82  394.67  779.16  513.89  756.22
  542.67  751.54  719.44  742.29  838.67  737.47  986.67  714.48  1017.5  712.12
 1027.78   709.5    1184     700 1233.33     694 1233.33  692.67 1578.67  698.75
 1593.06  699.53 1670.14  702.73 1747.22  706.26    1776  707.33    1850  708.33
 1874.67  708.19 1973.33   703.6 2022.67  705.31 2055.56  704.31 2269.33  695.84
 2286.81  694.86    2368  688.15 2466.67  663.33    2575  641.33 2633.33  641.33
 2677.78     652    2700     660 2915.69     660 3182.46  662.47 3239.22  664.96
 3375.44  669.95 3562.75  670.33 3697.55  670.33  3761.4  671.44 3832.35  675.12
 3954.39  686.41 4533.33  801.33

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2466.67     .15    2700     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2466.67    2700           112.67  112.67  112.67             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)           112.67     112.67     112.67
  Crit W.S. (ft)                      Flow Area (sq ft)       99785.35   25919.04   129953.00
  E.G. Slope (ft/ft)      0.000023    Area (sq ft)            99785.35   25919.04   129953.00
  Q Total (cfs)           206224.30    Flow (cfs)             64425.33   27966.94   113832.00
  Top Width (ft)           3830.19    Top Width (ft)          1972.08     233.33    1624.79
  Vel Total (ft/s)            0.81    Avg. Vel. (ft/s)           0.65       1.08       0.88
  Max Chl Dpth (ft)         118.60    Hydr. Depth (ft)          50.60     111.08      79.98
  Conv. Total (cfs)       43152120.0    Conv. (cfs)           13480900.0   5852040.0   23819180.0
  Length Wtd. (ft)          112.67    Wetted Per. (ft)         1981.27     238.20    1632.80
  Min Ch El (ft)            641.33    Shear (lb/sq ft)           0.07       0.16       0.11
  Alpha                       1.09    Stream Power (lb/ft s)     0.05       0.17       0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   402379.20   22929.71   157106.50
  C & E Loss (ft)             0.00    Cum SA (acres)          3761.37     151.23    1421.02


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 23568

INPUT
Description:
Station Elevation Data    num=      26
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     801     300     790     400     790     550     760     850     749
    1000     718    1200     700    1250     691    1250     689    1600     689
    1800     700    1900     702    2000     698    2050     702    2300     698
    2400     694    2500     665    2575     641    2625     641    2675     651
    2700     660    3200     660    3400     670    3800     670    4000     680
    4600     802

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2500     .15    2700     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2500    2700              131     131     131             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)           131.00     131.00     131.00
  Crit W.S. (ft)                      Flow Area (sq ft)      101216.50   22273.80   137621.80
  E.G. Slope (ft/ft)      0.000022    Area (sq ft)           101216.50   22273.80   137621.80
```

```
  Q Total (cfs)           206224.30    Flow (cfs)              64578.56   23234.89   118410.90
  Top Width (ft)           3841.24    Top Width (ft)           1948.13     200.00    1693.11
  Vel Total (ft/s)            0.79    Avg. Vel. (ft/s)            0.64       1.04       0.86
  Max Chl Dpth (ft)         118.93    Hydr. Depth (ft)           51.96     111.37      81.28
  Conv. Total (cfs)       44403500.0    Conv. (cfs)             13904830.0   5002858.0   25495820.0
  Length Wtd. (ft)          131.00    Wetted Per. (ft)         1959.91     206.31    1701.65
  Min Ch El (ft)            641.00    Shear (lb/sq ft)            0.07       0.15       0.11
  Alpha                       1.08    Stream Power (lb/ft s)      0.04       0.15       0.09
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    402119.30   22867.39   156760.50
  C & E Loss (ft)             0.00    Cum SA (acres)           3756.30     150.67    1416.73


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 23437.*

INPUT
Description:
Station Elevation Data    num=      43
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  795.75     282  781.09     376  778.95     517  753.24     799  738.58
     940  712.12  989.47  707.45    1128   696.7    1175  689.68    1175  688.18
 1422.37  686.75    1504  686.75 1546.05   688.6 1607.89  688.81    1692  691.57
    1786  692.02 1855.26  689.04    1880   688.4    1927  691.68 2102.63  690.51
    2162  689.35    2256  685.72 2288.16  678.06    2350   661.5 2418.75  640.75
 2481.25  640.75 2527.08  649.42    2550  656.75 2599.78     658 2674.46     658
 2674.46   657.5 2798.91   657.5  2823.8  658.25 3303.29   661.3 3570.54  669.65
 3604.61  670.84 4068.37   675.5 4207.24  677.51 4508.55  689.36 5088.91   756.5
 5188.48  769.32 5337.83  786.44  5412.5  795.75

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2350     .15    2550     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2350    2550              131     131     131             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)           131.00     131.00     131.00
  Crit W.S. (ft)                      Flow Area (sq ft)       107189.60   22641.78   200721.40
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            107189.60   22641.78   200721.40
  Q Total (cfs)           206224.30    Flow (cfs)              56704.37   18606.83   130913.10
  Top Width (ft)           4635.27    Top Width (ft)           1869.70     200.00    2565.57
  Vel Total (ft/s)            0.62    Avg. Vel. (ft/s)            0.53       0.82       0.65
  Max Chl Dpth (ft)         119.18    Hydr. Depth (ft)           57.33     113.21      78.24
  Conv. Total (cfs)       57221420.0    Conv. (cfs)             15733860.0   5162871.0   36324680.0
  Length Wtd. (ft)          131.00    Wetted Per. (ft)         1879.25     205.02    2570.62
  Min Ch El (ft)            640.75    Shear (lb/sq ft)            0.05       0.09       0.06
  Alpha                       1.05    Stream Power (lb/ft s)      0.02       0.07       0.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    401805.90   22799.85   156251.70
  C & E Loss (ft)             0.00    Cum SA (acres)           3750.56     150.07    1410.33


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 23306.*

INPUT
Description:
Station Elevation Data    num=      43
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   790.5     264  772.17     352   767.9     484  746.49     748  728.16
     880  706.25  926.32  701.63    1056   693.4    1100  688.36    1100  687.36
 1331.58   684.5    1408   684.5 1447.37  685.73 1505.26  682.54    1584  683.13
    1672  682.04 1736.84  679.03    1760   678.8    1804  681.37 1968.42  682.01
    2024   680.7    2112  677.43 2142.11  672.04    2200     658  2262.5   640.5
  2337.5   640.5 2379.17  647.83    2400   653.5 2466.52     656  2566.3     656
  2566.3     655 2732.61     655 2765.87   656.5 3406.58   662.6  3763.7  670.43
 3809.21  671.68 4428.91     681 4614.47  685.01 5017.11  698.72 5792.61  754.66
 5925.65  766.88 6125.22  780.96    6225   789.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2200     .15    2400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2200    2400              131     131     131             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)           131.00     131.00     131.00
  Crit W.S. (ft)                      Flow Area (sq ft)       111949.70   22975.10   259419.20
  E.G. Slope (ft/ft)      0.000009    Area (sq ft)            111949.70   22975.10   259419.20
  Q Total (cfs)           206224.30    Flow (cfs)              52337.39   16007.40   137879.50
  Top Width (ft)           5448.88    Top Width (ft)           1798.88     200.00    3450.01
  Vel Total (ft/s)            0.52    Avg. Vel. (ft/s)            0.47       0.70       0.53
  Max Chl Dpth (ft)         119.43    Hydr. Depth (ft)           62.23     114.88      75.19
  Conv. Total (cfs)       68424860.0    Conv. (cfs)             17365460.0   5311227.0   45748180.0
  Length Wtd. (ft)          131.00    Wetted Per. (ft)         1806.69     203.80    3453.83
  Min Ch El (ft)            640.50    Shear (lb/sq ft)            0.04       0.06       0.04
  Alpha                       1.03    Stream Power (lb/ft s)      0.02       0.04       0.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    401476.40   22731.25   155559.80
  C & E Loss (ft)             0.00    Cum SA (acres)           3745.05     149.46    1401.28


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 23175.*

INPUT
Description:
Station Elevation Data    num=      43
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
```

```
       0  785.25     246  763.26     328  756.85     451  739.73     697  717.74
     820  700.38  863.16  695.82     984   690.1    1025  687.04    1025  686.54
 1240.79  682.25    1312  682.25 1348.68  682.87 1402.63  676.27    1476   674.7
    1558  672.06 1618.42  669.01    1640   669.2    1681  671.05 1834.21   673.5
    1886  672.05    1968  669.15 1996.05  666.02    2050   654.5 2106.25  640.25
 2193.75  640.25 2231.25  646.25    2250  650.25 2333.26     654 2458.15     654
 2458.15   652.5  2666.3   652.5 2707.93  654.75 3509.87   663.9 3956.85  671.22
 4013.82  672.53 4789.46   686.5 5021.71  692.52 5525.66  708.09  6496.3  752.83
 6662.83  764.44 6912.61  775.48  7037.5  783.25

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2050     .15    2250     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2050    2250              131     131     131             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.94    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)           131.00     131.00     131.00
  Crit W.S. (ft)                      Flow Area (sq ft)       115690.30   23273.10   313726.30
  E.G. Slope (ft/ft)      0.000007    Area (sq ft)            115690.30   23273.10   313726.30
  Q Total (cfs)           206224.30    Flow (cfs)              49271.86   14420.69   142531.80
  Top Width (ft)           6309.59    Top Width (ft)           1761.43     200.00    4348.17
  Vel Total (ft/s)            0.46    Avg. Vel. (ft/s)            0.43       0.62       0.45
  Max Chl Dpth (ft)         119.68    Hydr. Depth (ft)           65.68     116.37      72.15
  Conv. Total (cfs)       77889710.0    Conv. (cfs)            18609690.0   5446609.0   53833410.0
  Length Wtd. (ft)          131.00    Wetted Per. (ft)         1768.03     202.68    4351.66
  Min Ch El (ft)            640.25    Shear (lb/sq ft)            0.03       0.05       0.03
  Alpha                       1.03    Stream Power (lb/ft s)      0.01       0.03       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    401134.10   22661.71   154698.00
  C & E Loss (ft)             0.00    Cum SA (acres)           3739.69     148.86    1389.56


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 23044

INPUT
Description:
Station Elevation Data    num=      23
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780     800     690    1150     680    1250     680    1300     670
    1500     659    1700     665    1850     660    1900     651    1950     640
    2050     640    2100     647    2200     652    2350     652    2350     650
    2600     650    2650     653    4150     672    5150     692    7200     751
    7400     762    7700     770    7850     777

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    1900     .15    2100     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          1900    2100             24.04   24.04   24.04             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
    3900    7850     780       F

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)            24.04      24.04      24.04
  Crit W.S. (ft)            662.53    Flow Area (sq ft)       118702.50   23535.45   183898.20
  E.G. Slope (ft/ft)      0.000010    Area (sq ft)            118702.50   23535.45   363703.50
  Q Total (cfs)           206224.30    Flow (cfs)              62510.33   17645.07   126068.90
  Top Width (ft)           7183.89    Top Width (ft)           1721.58     200.00    5262.31
  Vel Total (ft/s)            0.63    Avg. Vel. (ft/s)            0.53       0.75       0.69
  Max Chl Dpth (ft)         119.93    Hydr. Depth (ft)           68.95     117.68     102.17
  Conv. Total (cfs)       65069550.0    Conv. (cfs)            19723760.0   5567515.0   39778280.0
  Length Wtd. (ft)           24.04    Wetted Per. (ft)         1727.91     201.68    1802.32
  Min Ch El (ft)            640.00    Shear (lb/sq ft)            0.04       0.07       0.06
  Alpha                       1.05    Stream Power (lb/ft s)      0.02       0.05       0.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    400781.70   22591.33   153679.30
  C & E Loss (ft)             0.00    Cum SA (acres)           3734.45     148.26    1375.11


Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water
         surface was used.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 23019.9*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  391.09  736.03  543.18   718.9  673.55  704.51  782.18  692.85
  805.05  690.45     956  686.69 1042.91  684.32 1157.26  680.67 1216.73   680.4
 1257.89  679.96 1303.64  670.75 1308.21  669.87 1390.55  665.28 1509.47  659.01
 1564.36  660.57 1710.74  664.61 1861.68  659.65    1912  650.96    1962  639.96
  2061.6  639.96    2112  647.12 2209.39  651.94 2355.48  651.98 2355.48  650.06
 2598.96  650.12 2647.65  653.01    3792  667.57 4108.52  671.59    4352  676.44
    4912  687.76 5082.43  691.61    6592  738.75 7078.96  752.73 7273.74  763.36
 7565.91  771.15    7712  777.92

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    1912     .15    2112     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          1912    2112             24.04   24.04   24.04             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
```

```
  W.S. Elev (ft)            759.93    Reach Len. (ft)            24.04      24.04      24.04
  Crit W.S. (ft)                      Flow Area (sq ft)       119362.40   23538.50   352577.80
  E.G. Slope (ft/ft)      0.000006    Area (sq ft)            119362.40   23538.50   352577.80
  Q Total (cfs)           206224.30    Flow (cfs)              48537.09   13638.39   144048.80
  Top Width (ft)           7032.37    Top Width (ft)           1733.49     200.00    5098.89
  Vel Total (ft/s)            0.42    Avg. Vel. (ft/s)            0.41       0.58       0.41
  Max Chl Dpth (ft)         119.97    Hydr. Depth (ft)           68.86     117.69      69.15
  Conv. Total (cfs)       84198710.0    Conv. (cfs)             19817070.0   5568380.0   58813260.0
  Length Wtd. (ft)           24.04    Wetted Per. (ft)         1739.67     201.70    5102.47
  Min Ch El (ft)            639.96    Shear (lb/sq ft)            0.03       0.04       0.03
  Alpha                       1.03    Stream Power (lb/ft s)      0.01       0.03       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    400716.00   22578.34   153481.70
  C & E Loss (ft)             0.00    Cum SA (acres)           3733.50     148.15    1372.25


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22995.8*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  393.55  735.78  546.59  718.53  677.77  704.33  787.09  693.15
  810.11  690.91     962  687.66 1049.45  685.39 1164.53  681.35 1224.36   680.8
 1265.79  679.93 1311.82   670.6 1316.42  669.73 1399.27  665.06 1518.95  659.03
 1574.18  660.51 1721.47  664.22 1873.37   659.3    1924  650.92    1974  639.92
  2073.2  639.92    2124  647.24 2218.78  651.89 2360.96  651.96 2360.96  650.12
 2597.91  650.23  2645.3  653.02    3759  667.25 4067.04  671.18    4304  675.88
    4849  687.02 5014.87  691.21    6484  740.88 6957.91  754.47 7147.48  764.73
 7431.83   772.3    7574  778.84

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    1924     .15    2124     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          1924    2124             24.04   24.04   24.04             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)            24.04      24.04      24.04
  Crit W.S. (ft)                      Flow Area (sq ft)       120011.70   23540.95   341585.00
  E.G. Slope (ft/ft)      0.000006    Area (sq ft)            120011.70   23540.95   341585.00
  Q Total (cfs)           206224.30    Flow (cfs)              49765.52   13921.64   142537.20
  Top Width (ft)           6880.16    Top Width (ft)           1745.38     200.00    4934.78
  Vel Total (ft/s)            0.43    Avg. Vel. (ft/s)            0.41       0.59       0.42
  Max Chl Dpth (ft)         120.01    Hydr. Depth (ft)           68.76     117.70      69.22
  Conv. Total (cfs)       82494860.0    Conv. (cfs)             19907450.0   5569002.0   57018420.0
  Length Wtd. (ft)           24.04    Wetted Per. (ft)         1751.43     201.72    4938.33
  Min Ch El (ft)            639.92    Shear (lb/sq ft)            0.03       0.05       0.03
  Alpha                       1.03    Stream Power (lb/ft s)      0.01       0.03       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    400649.90   22565.35   153290.10
  C & E Loss (ft)             0.00    Cum SA (acres)           3732.54     148.04    1369.48


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22971.7*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780     396  735.52     550  718.16     682  704.14     792  693.45
  815.16  691.36     968  688.63    1056  686.46 1171.79  682.02    1232   681.2
 1273.68  679.89    1320  670.44 1324.63   669.6    1408  664.84 1528.42  659.04
    1584  660.44 1732.21  663.83 1885.05  658.96    1936  650.88    1986  639.88
  2084.8  639.88    2136  647.36 2228.17  651.83 2366.43  651.93 2366.43  650.17
 2596.87  650.35 2642.96  653.02    3726  666.94 4025.57  670.76    4256  675.32
    4786  686.28  4947.3  690.82    6376  743.02 6836.87   756.2 7021.22  766.09
 7297.74  773.44    7436  779.76

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    1936     .15    2136     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          1936    2136             24.04   24.04   24.04             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)            24.04      24.04      24.04
  Crit W.S. (ft)                      Flow Area (sq ft)       120666.50   23543.33   330709.00
  E.G. Slope (ft/ft)      0.000007    Area (sq ft)            120666.50   23543.33   330709.00
  Q Total (cfs)           206224.30    Flow (cfs)              51025.88   14210.44   140988.00
  Top Width (ft)           6727.69    Top Width (ft)           1757.31     200.00    4770.38
  Vel Total (ft/s)            0.43    Avg. Vel. (ft/s)            0.42       0.60       0.43
  Max Chl Dpth (ft)         120.05    Hydr. Depth (ft)           68.67     117.72      69.33
  Conv. Total (cfs)       80826880.0    Conv. (cfs)             19998920.0   5569593.0   55258370.0
  Length Wtd. (ft)           24.04    Wetted Per. (ft)         1763.25     201.74    4773.90
  Min Ch El (ft)            639.88    Shear (lb/sq ft)            0.03       0.05       0.03
  Alpha                       1.03    Stream Power (lb/ft s)      0.01       0.03       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    400583.50   22552.35   153104.60
  C & E Loss (ft)             0.00    Cum SA (acres)           3731.57     147.93    1366.80


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22947.6*

INPUT
Description:
Station Elevation Data    num=      37
```

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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  398.45  735.27  553.41  717.79  686.23  703.95  796.91  693.75
  820.21  691.81     974   689.6 1062.55  687.53 1179.05  682.69 1239.64   681.6
 1281.58  679.86 1328.18  670.28 1332.84  669.46 1416.73  664.62 1537.89  659.05
 1593.82  660.37 1742.95  663.43 1896.74  658.61    1948  650.84    1998  639.84
  2096.4  639.84    2148  647.48 2237.57  651.77 2371.91  651.91 2371.91  650.23
 2595.83  650.46 2640.61  653.03    3693  666.62 3984.09  670.35    4208  674.76
    4723  685.54 4879.74  690.43    6268  745.15 6715.83  757.94 6894.96  767.45
 7163.65  774.59    7298  780.68

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    1948     .15    2148     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          1948    2148            24.04   24.04   24.04             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)            24.04      24.04      24.04
  Crit W.S. (ft)                      Flow Area (sq ft)       121320.30   23545.64   319967.30
  E.G. Slope (ft/ft)      0.000007    Area (sq ft)            121320.30   23545.64   319967.30
  Q Total (cfs)           206224.30    Flow (cfs)              52310.92   14503.51   139409.90
  Top Width (ft)           6574.50    Top Width (ft)           1769.21     200.00    4605.29
  Vel Total (ft/s)            0.44    Avg. Vel. (ft/s)            0.43       0.62       0.44
  Max Chl Dpth (ft)         120.09    Hydr. Depth (ft)           68.57     117.73      69.48
  Conv. Total (cfs)       79201620.0    Conv. (cfs)             20090310.0   5570154.0   53541150.0
  Length Wtd. (ft)           24.04    Wetted Per. (ft)         1775.05     201.76    4608.81
  Min Ch El (ft)            639.84    Shear (lb/sq ft)            0.03       0.05       0.03
  Alpha                       1.03    Stream Power (lb/ft s)      0.01       0.03       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    400516.70   22539.36   152925.10
  C & E Loss (ft)             0.00    Cum SA (acres)           3730.60     147.82    1364.21


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22923.6*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  400.91  735.02  556.82  717.42  690.45  703.76  801.82  694.05
  825.26  692.26     980  690.57 1069.09   688.6 1186.32  683.37 1247.27     682
 1289.47  679.82 1336.36  670.13 1341.05  669.33 1425.45   664.4 1547.37  659.06
 1603.64  660.31 1753.68  663.04 1908.42  658.26    1960   650.8    2010   639.8
    2108   639.8    2160   647.6 2246.96  651.72 2377.39  651.89 2377.39  650.29
 2594.78  650.58 2638.26  653.04    3660  666.31 3942.61  669.94    4160   674.2
    4660   684.8 4812.17  690.03    6160  747.29 6594.78  759.67  6768.7  768.82
 7029.57  775.74    7160   781.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    1960     .15    2160     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          1960    2160            24.04   24.04   24.04             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)            24.04      24.04      24.04
  Crit W.S. (ft)                      Flow Area (sq ft)       121969.40   23547.90   309348.20
  E.G. Slope (ft/ft)      0.000007    Area (sq ft)            121969.40   23547.90   309348.20
  Q Total (cfs)           206224.30    Flow (cfs)              53620.64   14801.73   137801.90
  Top Width (ft)           6420.79    Top Width (ft)           1781.10     200.00    4439.69
  Vel Total (ft/s)            0.45    Avg. Vel. (ft/s)            0.44       0.63       0.45
  Max Chl Dpth (ft)         120.13    Hydr. Depth (ft)           68.48     117.74      69.68
  Conv. Total (cfs)       77613340.0    Conv. (cfs)             20180350.0   5570690.0   51862300.0
  Length Wtd. (ft)           24.04    Wetted Per. (ft)         1786.86     201.78    4443.21
  Min Ch El (ft)            639.80    Shear (lb/sq ft)            0.03       0.05       0.03
  Alpha                       1.03    Stream Power (lb/ft s)      0.01       0.03       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    400449.60   22526.37   152751.40
  C & E Loss (ft)             0.00    Cum SA (acres)           3729.62     147.71    1361.72


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22899.5*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  403.36  734.77  560.23  717.05  694.68  703.57  806.73  694.34
  830.32  692.72     986  691.54 1075.64  689.67 1193.58  684.04 1254.91   682.4
 1297.37  679.79 1344.55  669.97 1349.26  669.19 1434.18  664.18 1556.84  659.08
 1613.45  660.24 1764.42  662.65 1920.11  657.91    1972  650.76    2022  639.76
  2119.6  639.76    2172  647.72 2256.35  651.66 2382.87  651.87 2382.87  650.35
 2593.74   650.7 2635.91  653.05    3627  665.99 3901.13  669.53    4112  673.64
    4597  684.06 4744.61  689.64    6052  749.42 6473.74   761.4 6642.43  770.18
 6895.48  776.89    7022  782.52

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    1972     .15    2172     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          1972    2172            24.04   24.04   24.04             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)            24.04      24.04      24.04
  Crit W.S. (ft)                      Flow Area (sq ft)       122618.40   23550.08   298888.10
  E.G. Slope (ft/ft)      0.000007    Area (sq ft)            122618.40   23550.08   298888.10
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  Q Total (cfs)           206224.30    Flow (cfs)              54815.41   15065.82   136343.10
  Top Width (ft)           6242.93    Top Width (ft)           1793.00     200.00    4249.93
  Vel Total (ft/s)            0.46    Avg. Vel. (ft/s)            0.45       0.64       0.46
  Max Chl Dpth (ft)         120.17    Hydr. Depth (ft)           68.39     117.75      70.33
  Conv. Total (cfs)       76259730.0    Conv. (cfs)            20270200.0   5571194.0   50418330.0
  Length Wtd. (ft)           24.04    Wetted Per. (ft)         1798.70     201.80    4253.48
  Min Ch El (ft)            639.76    Shear (lb/sq ft)            0.03       0.05       0.03
  Alpha                       1.03    Stream Power (lb/ft s)      0.01       0.03       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    400382.10   22513.37   152583.60
  C & E Loss (ft)             0.00    Cum SA (acres)           3728.64     147.60    1359.32


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22875.4*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  405.82  734.52  563.64  716.68  698.91  703.39  811.64  694.64
  835.37  693.17     992  692.51 1082.18  690.74 1200.84  684.72 1262.55   682.8
 1305.26  679.75 1352.73  669.81 1357.47  669.06 1442.91  663.96 1566.32  659.09
 1623.27  660.18 1775.16  662.26 1931.79  657.56    1984  650.72    2034  639.72
  2131.2  639.72    2184  647.84 2265.74   651.6 2388.35  651.85 2388.35  650.41
  2592.7  650.81 2633.57  653.05    3594  665.68 3859.65  669.11    4064  673.08
    4534  683.32 4677.04  689.25    5944  751.56  6352.7  763.14 6516.17  771.54
 6761.39  778.03    6884  783.44

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    1984     .15    2184     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          1984    2184            24.04   24.04   24.04             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)            24.04      24.04      24.04
  Crit W.S. (ft)                      Flow Area (sq ft)       123264.00   23552.20   288601.30
  E.G. Slope (ft/ft)      0.000008    Area (sq ft)            123264.00   23552.20   288601.30
  Q Total (cfs)           206224.30    Flow (cfs)              55981.99   15320.57   134921.70
  Top Width (ft)           6060.23    Top Width (ft)           1804.90     200.00    4055.33
  Vel Total (ft/s)            0.47    Avg. Vel. (ft/s)            0.45       0.65       0.47
  Max Chl Dpth (ft)         120.21    Hydr. Depth (ft)           68.29     117.76      71.17
  Conv. Total (cfs)       74998080.0    Conv. (cfs)            20359100.0   5571668.0   49067310.0
  Length Wtd. (ft)           24.04    Wetted Per. (ft)         1810.54     201.82    4058.95
  Min Ch El (ft)            639.72    Shear (lb/sq ft)            0.03       0.06       0.03
  Alpha                       1.03    Stream Power (lb/ft s)      0.01       0.04       0.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    400314.30   22500.37   152421.50
  C & E Loss (ft)             0.00    Cum SA (acres)           3727.64     147.49    1357.03


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22851.3*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  408.27  734.27  567.05  716.31  703.14   703.2  816.55  694.94
  840.42  693.62     998  693.49 1088.73  691.81 1208.11  685.39 1270.18   683.2
 1313.16  679.71 1360.91  669.66 1365.68  668.92 1451.64  663.74 1575.79   659.1
 1633.09  660.11 1785.89  661.87 1943.47  657.22    1996  650.68    2046  639.68
  2142.8  639.68    2196  647.96 2275.13  651.55 2393.83  651.82 2393.83  650.46
 2591.65  650.93 2631.22  653.06    3561  665.36 3818.17   668.7    4016  672.52
    4471  682.58 4609.48  688.86    5836  753.69 6231.65  764.87 6389.91  772.91
  6627.3  779.18    6746  784.36

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    1996     .15    2196     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          1996    2196            24.04   24.04   24.04             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)            24.04      24.04      24.04
  Crit W.S. (ft)                      Flow Area (sq ft)       123909.90   23554.24   278505.10
  E.G. Slope (ft/ft)      0.000008    Area (sq ft)            123909.90   23554.24   278505.10
  Q Total (cfs)           206224.30    Flow (cfs)              57139.88   15570.76   133513.70
  Top Width (ft)           5877.53    Top Width (ft)           1816.80     200.00    3860.74
  Vel Total (ft/s)            0.48    Avg. Vel. (ft/s)            0.46       0.66       0.48
  Max Chl Dpth (ft)         120.25    Hydr. Depth (ft)           68.20     117.77      72.14
  Conv. Total (cfs)       73798860.0    Conv. (cfs)            20447920.0   5572109.0   47778830.0
  Length Wtd. (ft)           24.04    Wetted Per. (ft)         1822.41     201.84    3864.43
  Min Ch El (ft)            639.68    Shear (lb/sq ft)            0.03       0.06       0.04
  Alpha                       1.03    Stream Power (lb/ft s)      0.02       0.04       0.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    400246.00   22487.37   152265.00
  C & E Loss (ft)             0.00    Cum SA (acres)           3726.64     147.38    1354.84


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22827.2*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  410.73  734.02  570.45  715.94  707.36  703.01  821.45  695.24
  845.47  694.07    1004  694.46 1095.27  692.88 1215.37  686.06 1277.82   683.6
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 1321.05  679.68 1369.09   669.5 1373.89  668.79 1460.36  663.52 1585.26  659.11
 1642.91  660.05 1796.63  661.48 1955.16  656.87    2008  650.64    2058  639.64
  2154.4  639.64    2208  648.08 2284.52  651.49  2399.3   651.8  2399.3  650.52
 2590.61  651.04 2628.87  653.07    3528  665.05  3776.7  668.29    3968  671.96
    4408  681.84 4541.91  688.46    5728  755.83 6110.61  766.61 6263.65  774.27
 6493.22  780.33    6608  785.28

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2008     .15    2208     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2008    2208            24.04   24.04   24.04             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)            24.04      24.04      24.04
  Crit W.S. (ft)                      Flow Area (sq ft)       124555.40   23556.22   268585.70
  E.G. Slope (ft/ft)      0.000008    Area (sq ft)            124555.40   23556.22   268585.70
  Q Total (cfs)           206224.30    Flow (cfs)              58281.45   15814.45   132128.40
  Top Width (ft)           5694.11    Top Width (ft)           1828.69     200.00    3665.42
  Vel Total (ft/s)            0.49    Avg. Vel. (ft/s)            0.47       0.67       0.49
  Max Chl Dpth (ft)         120.29    Hydr. Depth (ft)           68.11     117.78      73.28
  Conv. Total (cfs)       72667050.0    Conv. (cfs)            20536580.0   5572523.0   46557950.0
  Length Wtd. (ft)           24.04    Wetted Per. (ft)         1834.30     201.86    3669.21
  Min Ch El (ft)            639.64    Shear (lb/sq ft)            0.03       0.06       0.04
  Alpha                       1.03    Stream Power (lb/ft s)      0.02       0.04       0.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    400177.50   22474.37   152114.00
  C & E Loss (ft)             0.00    Cum SA (acres)           3725.64     147.27    1352.77


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22803.2*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  413.18  733.77  573.86  715.57  711.59  702.82  826.36  695.53
  850.53  694.53    1010  695.43 1101.82  693.95 1222.63  686.74 1285.45     684
 1328.95  679.64 1377.27  669.35 1382.11  668.65 1469.09   663.3 1594.74  659.13
 1652.73  659.98 1807.37  661.08 1966.84  656.52    2020   650.6    2070   639.6
    2166   639.6    2220   648.2 2293.91  651.43 2404.78  651.78 2404.78  650.58
 2589.57  651.16 2626.52  653.08    3495  664.73 3735.22  667.88    3920   671.4
    4345   681.1 4474.35  688.07    5620  757.97 5989.57  768.34 6137.39  775.63
 6359.13  781.48    6470   786.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2020     .15    2220     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2020    2220            24.04   24.04   24.04             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)            24.04      24.04      24.04
  Crit W.S. (ft)                      Flow Area (sq ft)       125200.80   23558.14   258850.80
  E.G. Slope (ft/ft)      0.000008    Area (sq ft)            125200.80   23558.14   258850.80
  Q Total (cfs)           206224.30    Flow (cfs)              59400.32   16049.97   130774.00
  Top Width (ft)           5510.33    Top Width (ft)           1840.60     200.00    3469.73
  Vel Total (ft/s)            0.51    Avg. Vel. (ft/s)            0.47       0.68       0.51
  Max Chl Dpth (ft)         120.33    Hydr. Depth (ft)           68.02     117.79      74.60
  Conv. Total (cfs)       71605730.0    Conv. (cfs)            20625130.0   5572912.0   45407690.0
  Length Wtd. (ft)           24.04    Wetted Per. (ft)         1846.20     201.88    3473.65
  Min Ch El (ft)            639.60    Shear (lb/sq ft)            0.04       0.06       0.04
  Alpha                       1.03    Stream Power (lb/ft s)      0.02       0.04       0.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    400108.60   22461.37   151968.50
  C & E Loss (ft)             0.00    Cum SA (acres)           3724.63     147.16    1350.80


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22779.1*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  415.64  733.52  577.27  715.19  715.82  702.63  831.27  695.83
  855.58  694.98    1016   696.4 1108.36  695.02 1229.89  687.41 1293.09   684.4
 1336.84  679.61 1385.45  669.19 1390.32  668.52 1477.82  663.08 1604.21  659.14
 1662.55  659.92 1818.11  660.69 1978.53  656.17    2032  650.56    2082  639.56
  2177.6  639.56    2232  648.32  2303.3  651.38 2410.26  651.76 2410.26  650.64
 2588.52  651.28 2624.17  653.08    3462  664.41 3693.74  667.47    3872  670.84
    4282  680.36 4406.78  687.68    5512   760.1 5868.52  770.07 6011.13     777
 6225.04  782.63    6332  787.12

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2032     .15    2232     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2032    2232            24.04   24.04   24.04             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.93    Reach Len. (ft)            24.04      24.04      24.04
  Crit W.S. (ft)                      Flow Area (sq ft)       125845.20   23559.98   249311.30
  E.G. Slope (ft/ft)      0.000009    Area (sq ft)            125845.20   23559.98   249311.30
  Q Total (cfs)           206224.30    Flow (cfs)              60512.92   16282.02   129429.40
  Top Width (ft)           5329.84    Top Width (ft)           1852.49     200.00    3277.35
  Vel Total (ft/s)            0.52    Avg. Vel. (ft/s)            0.48       0.69       0.52
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  Max Chl Dpth (ft)          120.37    Hydr. Depth (ft)           67.93     117.80      76.07
  Conv. Total (cfs)        70589700.0    Conv. (cfs)             20713320.0   5573265.0   44303120.0
  Length Wtd. (ft)            24.04    Wetted Per. (ft)          1858.12     201.90    3281.40
  Min Ch El (ft)             639.56    Shear (lb/sq ft)             0.04       0.06       0.04
  Alpha                        1.03    Stream Power (lb/ft s)       0.02       0.04       0.02
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    400039.30   22448.37   151828.30
  C & E Loss (ft)              0.00    Cum SA (acres)           3723.61     147.05    1348.94


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 22755.0*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  418.09  733.26  580.68  714.82  720.05  702.44  836.18  696.13
  860.63  695.43    1022  697.37 1114.91  696.09 1237.16  688.08 1300.73   684.8
 1344.74  679.57 1393.64  669.03 1398.53  668.38 1486.55  662.86 1613.68  659.15
 1672.36  659.85 1828.84   660.3 1990.21  655.83    2044  650.52    2094  639.52
  2189.2  639.52    2244  648.44  2312.7  651.32 2415.74  651.74 2415.74   650.7
 2587.48  651.39 2621.83  653.09    3429   664.1 3652.26  667.05    3824  670.28
    4219  679.62 4339.22  687.28    5404  762.24 5747.48  771.81 5884.87  778.36
 6090.96  783.77    6194  788.04

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2044     .15    2244     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2044    2244            24.04   24.04   24.04             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.93    Reach Len. (ft)            24.04      24.04      24.04
  Crit W.S. (ft)                       Flow Area (sq ft)       126490.60   23561.76   239897.90
  E.G. Slope (ft/ft)       0.000009    Area (sq ft)            126490.60   23561.76   239897.90
  Q Total (cfs)            206224.30    Flow (cfs)              61952.32   16599.71   127672.30
  Top Width (ft)            5191.56    Top Width (ft)           1864.44     200.00    3127.13
  Vel Total (ft/s)             0.53    Avg. Vel. (ft/s)            0.49       0.70       0.53
  Max Chl Dpth (ft)          120.41    Hydr. Depth (ft)           67.84     117.81      76.72
  Conv. Total (cfs)        69242740.0    Conv. (cfs)             20801370.0   5573589.0   42867770.0
  Length Wtd. (ft)            24.04    Wetted Per. (ft)          1870.09     201.92    3131.31
  Min Ch El (ft)             639.52    Shear (lb/sq ft)             0.04       0.06       0.04
  Alpha                        1.03    Stream Power (lb/ft s)       0.02       0.05       0.02
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    399969.70   22435.37   151693.30
  C & E Loss (ft)              0.00    Cum SA (acres)           3722.58     146.94    1347.17


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 22730.9*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  420.55  733.01  584.09  714.45  724.27  702.26  841.09  696.43
  865.68  695.88    1028  698.34 1121.45  697.16 1244.42  688.76 1308.36   685.2
 1352.63  679.53 1401.82  668.88 1406.74  668.25 1495.27  662.64 1623.16  659.16
 1682.18  659.79 1839.58  659.91 2001.89  655.48    2056  650.48    2106  639.48
  2200.8  639.48    2256  648.56 2322.09  651.26 2421.22  651.71 2421.22  650.75
 2586.43  651.51 2619.48   653.1    3396  663.78 3610.78  666.64    3776  669.72
    4156  678.88 4271.65  686.89    5296  764.37 5626.43  773.54 5758.61  779.73
 5956.87  784.92    6056  788.96

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2056     .15    2256     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2056    2256            24.04   24.04   24.04             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.93    Reach Len. (ft)            24.04      24.04      24.04
  Crit W.S. (ft)                       Flow Area (sq ft)       127129.50   23563.48   230566.60
  E.G. Slope (ft/ft)       0.000009    Area (sq ft)            127129.50   23563.48   230566.60
  Q Total (cfs)            206224.30    Flow (cfs)              63456.98   16933.33   125834.00
  Top Width (ft)            5057.58    Top Width (ft)           1876.34     200.00    2981.24
  Vel Total (ft/s)             0.54    Avg. Vel. (ft/s)            0.50       0.72       0.55
  Max Chl Dpth (ft)          120.45    Hydr. Depth (ft)           67.75     117.82      77.34
  Conv. Total (cfs)        67882180.0    Conv. (cfs)             20887930.0   5573888.0   41420360.0
  Length Wtd. (ft)            24.04    Wetted Per. (ft)          1882.04     201.94    2985.56
  Min Ch El (ft)             639.48    Shear (lb/sq ft)             0.04       0.07       0.04
  Alpha                        1.03    Stream Power (lb/ft s)       0.02       0.05       0.02
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    399899.70   22422.37   151563.40
  C & E Loss (ft)              0.00    Cum SA (acres)           3721.55     146.83    1345.48


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 22706.8*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780     423  732.76   587.5  714.08   728.5  702.07     846  696.72
  870.74  696.34    1034  699.31    1128  698.23 1251.68  689.43    1316   685.6
 1360.53   679.5    1410  668.72 1414.95  668.11    1504  662.42 1632.63  659.18
    1692  659.72 1850.32  659.52 2013.58  655.13    2068  650.44    2118  639.44
  2212.4  639.44    2268  648.68 2331.48   651.2  2426.7  651.69  2426.7  650.81
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 2585.39  651.62 2617.13  653.11    3363  663.47  3569.3  666.23    3728  669.16
    4093  678.14 4204.09   686.5    5188  766.51 5505.39  775.27 5632.35  781.09
 5822.78  786.07    5918  789.88

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2068     .15    2268     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2068    2268            24.04   24.04   24.04             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)            24.04      24.04      24.04
  Crit W.S. (ft)                      Flow Area (sq ft)       127769.50   23565.11   221294.00
  E.G. Slope (ft/ft)      0.000010    Area (sq ft)            127769.50   23565.11   221294.00
  Q Total (cfs)           206224.30    Flow (cfs)              65037.07   17284.01   123903.20
  Top Width (ft)           4927.26    Top Width (ft)           1888.24     200.00    2839.02
  Vel Total (ft/s)            0.55    Avg. Vel. (ft/s)            0.51       0.73       0.56
  Max Chl Dpth (ft)         120.48    Hydr. Depth (ft)           67.67     117.83      77.95
  Conv. Total (cfs)       66508020.0    Conv. (cfs)            20974670.0   5574151.0   39959200.0
  Length Wtd. (ft)           24.04    Wetted Per. (ft)         1894.01     201.96    2843.51
  Min Ch El (ft)            639.44    Shear (lb/sq ft)            0.04       0.07       0.05
  Alpha                       1.03    Stream Power (lb/ft s)      0.02       0.05       0.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    399829.30   22409.36   151438.70
  C & E Loss (ft)             0.00    Cum SA (acres)           3720.51     146.72    1343.88


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22682.8*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  425.45  732.51  590.91  713.71  732.73  701.88  850.91  697.02
  875.79  696.79    1040  700.29 1134.55   699.3 1258.95  690.11 1323.64     686
 1368.42  679.46 1418.18  668.56 1423.16  667.98 1512.73   662.2 1642.11  659.19
 1701.82  659.65 1861.05  659.13 2025.26  654.78    2080   650.4    2130   639.4
    2224   639.4    2280   648.8 2340.87  651.15 2432.17  651.67 2432.17  650.87
 2584.35  651.74 2614.78  653.11    3330  663.15 3527.83  665.82    3680   668.6
    4030   677.4 4136.52   686.1    5080  768.64 5384.35  777.01 5506.09  782.45
  5688.7  787.22    5780   790.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2080     .15    2280     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2080    2280            24.04   24.04   24.04             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)            24.04      24.04      24.04
  Crit W.S. (ft)                      Flow Area (sq ft)       128407.50   23566.68   212094.80
  E.G. Slope (ft/ft)      0.000010    Area (sq ft)            128407.50   23566.68   212094.80
  Q Total (cfs)           206224.30    Flow (cfs)              66691.81   17652.04   121880.40
  Top Width (ft)           4800.52    Top Width (ft)           1900.15     200.00    2700.38
  Vel Total (ft/s)            0.57    Avg. Vel. (ft/s)            0.52       0.75       0.57
  Max Chl Dpth (ft)         120.52    Hydr. Depth (ft)           67.58     117.83      78.54
  Conv. Total (cfs)       65124110.0    Conv. (cfs)            21060780.0   5574386.0   38488940.0
  Length Wtd. (ft)           24.04    Wetted Per. (ft)         1905.99     201.98    2705.06
  Min Ch El (ft)            639.40    Shear (lb/sq ft)            0.04       0.07       0.05
  Alpha                       1.03    Stream Power (lb/ft s)      0.02       0.05       0.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    399758.70   22396.36   151319.10
  C & E Loss (ft)             0.00    Cum SA (acres)           3719.46     146.61    1342.35


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22658.7*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  427.91  732.26  594.32  713.34  736.95  701.69  855.82  697.32
  880.84  697.24    1046  701.26 1141.09  700.37 1266.21  690.78 1331.27   686.4
 1376.32  679.43 1426.36  668.41 1431.37  667.84 1521.45  661.98 1651.58   659.2
 1711.64  659.59 1871.79  658.73 2036.95  654.43    2092   650.36    2142  639.36
  2235.6  639.36    2292  648.92 2350.26  651.09 2437.65  651.65 2437.65  650.93
  2583.3  651.86 2612.43  653.12    3297  662.84 3486.35  665.41    3632  668.04
    3967  676.66 4068.96  685.71    4972  770.78  5263.3  778.74 5379.83  783.82
 5554.61  788.37    5642  791.72

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2092     .15    2292     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2092    2292            24.04   24.04   24.04             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)            24.04      24.04      24.04
  Crit W.S. (ft)                      Flow Area (sq ft)       129046.70   23568.19   202927.10
  E.G. Slope (ft/ft)      0.000010    Area (sq ft)            129046.70   23568.19   202927.10
  Q Total (cfs)           206224.30    Flow (cfs)              68437.43   18040.74   119746.10
  Top Width (ft)           4676.81    Top Width (ft)           1912.05     200.00    2564.76
  Vel Total (ft/s)            0.58    Avg. Vel. (ft/s)            0.53       0.77       0.59
  Max Chl Dpth (ft)         120.56    Hydr. Depth (ft)           67.49     117.84      79.12
  Conv. Total (cfs)       63723340.0    Conv. (cfs)            21147180.0   5574592.0   37001570.0
  Length Wtd. (ft)           24.04    Wetted Per. (ft)         1917.98     202.00    2569.66
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  Min Ch El (ft)            639.36    Shear (lb/sq ft)            0.04       0.08       0.05
  Alpha                       1.03    Stream Power (lb/ft s)      0.02       0.06       0.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    399687.60   22383.35   151204.60
  C & E Loss (ft)             0.00    Cum SA (acres)           3718.41     146.50    1340.90


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22634.6*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  430.36  732.01  597.73  712.97  741.18   701.5  860.73  697.62
  885.89  697.69    1052  702.23 1147.64  701.44 1273.47  691.45 1338.91   686.8
 1384.21  679.39 1434.55  668.25 1439.58  667.71 1530.18  661.76 1661.05  659.21
 1721.45  659.52 1882.53  658.34 2048.63  654.09    2104  650.32    2154  639.32
  2247.2  639.32    2304  649.04 2359.65  651.03 2443.13  651.63 2443.13  650.99
 2582.26  651.97 2610.09  653.13    3264  662.52 3444.87  664.99    3584  667.48
    3904  675.92 4001.39  685.32    4864  772.92 5142.26  780.48 5253.56  785.18
 5420.52  789.51    5504  792.64

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2104     .15    2304     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2104    2304            24.04   24.04   24.04             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)            24.04      24.04      24.04
  Crit W.S. (ft)                      Flow Area (sq ft)       129683.50   23569.62   193806.30
  E.G. Slope (ft/ft)      0.000011    Area (sq ft)            129683.50   23569.62   193806.30
  Q Total (cfs)           206224.30    Flow (cfs)              70273.13   18450.49   117500.70
  Top Width (ft)           4555.98    Top Width (ft)           1923.96     200.00    2432.02
  Vel Total (ft/s)            0.59    Avg. Vel. (ft/s)            0.54       0.78       0.61
  Max Chl Dpth (ft)         120.60    Hydr. Depth (ft)           67.40     117.85      79.69
  Conv. Total (cfs)       62310120.0    Conv. (cfs)            21232840.0   5574766.0   35502520.0
  Length Wtd. (ft)           24.04    Wetted Per. (ft)         1929.99     202.02    2437.17
  Min Ch El (ft)            639.32    Shear (lb/sq ft)            0.05       0.08       0.05
  Alpha                       1.03    Stream Power (lb/ft s)      0.02       0.06       0.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    399616.20   22370.34   151095.20
  C & E Loss (ft)             0.00    Cum SA (acres)           3717.35     146.38    1339.52


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22610.5*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  432.82  731.76  601.14   712.6  745.41  701.32  865.64  697.92
  890.95  698.15    1058   703.2 1154.18  702.51 1280.74  692.13 1346.55   687.2
 1392.11  679.36 1442.73  668.09 1447.79  667.57 1538.91  661.54 1670.53  659.23
 1731.27  659.46 1893.26  657.95 2060.32  653.74    2116  650.28    2166  639.28
  2258.8  639.28    2316  649.16 2369.04  650.98 2448.61   651.6 2448.61  651.04
 2581.22  652.09 2607.74  653.14    3231  662.21 3403.39  664.58    3536  666.92
    3841  675.18 3933.83  684.93    4756  775.05 5021.22  782.21  5127.3  786.54
 5286.43  790.66    5366  793.56

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2116     .15    2316     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2116    2316            24.04   24.04   24.04             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)            24.04      24.04      24.04
  Crit W.S. (ft)                      Flow Area (sq ft)       130314.60   23570.97   184715.10
  E.G. Slope (ft/ft)      0.000011    Area (sq ft)            130314.60   23570.97   184715.10
  Q Total (cfs)           206224.30    Flow (cfs)              72209.27   18884.54   115130.50
  Top Width (ft)           4437.86    Top Width (ft)           1935.86     200.00    2301.99
  Vel Total (ft/s)            0.61    Avg. Vel. (ft/s)            0.55       0.80       0.62
  Max Chl Dpth (ft)         120.64    Hydr. Depth (ft)           67.32     117.85      80.24
  Conv. Total (cfs)       60879500.0    Conv. (cfs)            21316910.0   5574907.0   33987690.0
  Length Wtd. (ft)           24.04    Wetted Per. (ft)         1942.02     202.04    2307.44
  Min Ch El (ft)            639.28    Shear (lb/sq ft)            0.05       0.08       0.06
  Alpha                       1.03    Stream Power (lb/ft s)      0.03       0.07       0.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    399544.50   22357.33   150990.70
  C & E Loss (ft)             0.00    Cum SA (acres)           3716.29     146.27    1338.21


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22586.4*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  435.27  731.51  604.55  712.23  749.64  701.13  870.55  698.21
     896   698.6    1064  704.17 1160.73  703.58    1288   692.8 1354.18   687.6
    1400  679.32 1450.91  667.94    1456  667.44 1547.64  661.32    1680  659.24
 1741.09  659.39    1904  657.56    2072  653.39    2128  650.24    2178  639.24
  2270.4  639.24    2328  649.28 2378.43  650.92 2454.09  651.58 2454.09   651.1
 2580.17   652.2 2605.39  653.14    3198  661.89 3361.91  664.17    3488  666.36
    3778  674.44 3866.26  684.53    4648  777.19 4900.17  783.94 5001.04  787.91
 5152.35  791.81    5228  794.48
```

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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2128     .15    2328     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2128    2328             24.04   24.04   24.04             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)            24.04      24.04      24.04
  Crit W.S. (ft)                      Flow Area (sq ft)       130950.90   23572.27   175658.30
  E.G. Slope (ft/ft)      0.000012    Area (sq ft)            130950.90   23572.27   175658.30
  Q Total (cfs)           206224.30    Flow (cfs)              74255.69   19342.66   112626.00
  Top Width (ft)           4322.09    Top Width (ft)           1947.77     200.00    2174.32
  Vel Total (ft/s)            0.62    Avg. Vel. (ft/s)            0.57       0.82       0.64
  Max Chl Dpth (ft)         120.68    Hydr. Depth (ft)           67.23     117.86      80.79
  Conv. Total (cfs)       59438850.0    Conv. (cfs)             21402290.0   5575024.0   32461530.0
  Length Wtd. (ft)           24.04    Wetted Per. (ft)         1954.05     202.06    2180.09
  Min Ch El (ft)            639.24    Shear (lb/sq ft)            0.05       0.09       0.06
  Alpha                       1.03    Stream Power (lb/ft s)      0.03       0.07       0.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    399472.40   22344.33   150891.30
  C & E Loss (ft)             0.00    Cum SA (acres)           3715.22     146.16    1336.98


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22562.4*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  437.73  731.26  607.95  711.86  753.86  700.94  875.45  698.51
  901.05  699.05    1070  705.14 1167.27  704.65 1295.26  693.47 1361.82     688
 1407.89  679.28 1459.09  667.78 1464.21  667.31 1556.36   661.1 1689.47  659.25
 1750.91  659.33 1914.74  657.17 2083.68  653.04    2140   650.2    2190   639.2
    2282   639.2    2340   649.4 2387.83  650.86 2459.57  651.56 2459.57  651.16
 2579.13  652.32 2603.04  653.15    3165  661.58 3320.43  663.76    3440   665.8
    3715   673.7  3798.7  684.14    4540  779.32 4779.13  785.68 4874.78  789.27
 5018.26  792.96    5090   795.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2140     .15    2340     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2140    2340             24.04   24.04   24.04             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)            24.04      24.04      24.04
  Crit W.S. (ft)                      Flow Area (sq ft)       131584.30   23573.49   166612.40
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            131584.30   23573.49   166612.40
  Q Total (cfs)           206224.30    Flow (cfs)              76426.08   19829.94   109968.30
  Top Width (ft)           4208.59    Top Width (ft)           1959.68     200.00    2048.92
  Vel Total (ft/s)            0.64    Avg. Vel. (ft/s)            0.58       0.84       0.66
  Max Chl Dpth (ft)         120.72    Hydr. Depth (ft)           67.15     117.87      81.32
  Conv. Total (cfs)       57979110.0    Conv. (cfs)             21486880.0   5575106.0   30917130.0
  Length Wtd. (ft)           24.04    Wetted Per. (ft)         1966.10     202.09    2055.07
  Min Ch El (ft)            639.20    Shear (lb/sq ft)            0.05       0.09       0.06
  Alpha                       1.04    Stream Power (lb/ft s)      0.03       0.08       0.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    399399.90   22331.32   150796.80
  C & E Loss (ft)             0.00    Cum SA (acres)           3714.14     146.05    1335.81


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22538.3*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  440.18     731  611.36  711.48  758.09  700.75  880.36  698.81
  906.11  699.51    1076  706.11 1173.82  705.72 1302.53  694.15 1369.45   688.4
 1415.79  679.25 1467.27  667.63 1472.42  667.17 1565.09  660.88 1698.95  659.27
 1760.73  659.26 1925.47  656.78 2095.37  652.69    2152  650.16    2202  639.16
  2293.6  639.16    2352  649.52 2397.22  650.81 2465.04  651.54 2465.04  651.22
 2578.09  652.43  2600.7  653.16    3132  661.26 3278.96  663.34    3392  665.24
    3652  672.96 3731.13  683.75    4432  781.46 4658.09  787.41 4748.52  790.63
 4884.17   794.1    4952  796.32

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2152     .15    2352     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2152    2352             24.04   24.04   24.04             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)            24.04      24.04      24.04
  Crit W.S. (ft)                      Flow Area (sq ft)       132218.60   23574.63   157583.60
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            132218.60   23574.63   157583.60
  Q Total (cfs)           206224.30    Flow (cfs)              78727.73   20347.35   107149.20
  Top Width (ft)           4097.12    Top Width (ft)           1971.62     200.00    1925.50
  Vel Total (ft/s)            0.66    Avg. Vel. (ft/s)            0.60       0.86       0.68
  Max Chl Dpth (ft)         120.76    Hydr. Depth (ft)           67.06     117.87      81.84
  Conv. Total (cfs)       56505310.0    Conv. (cfs)             21571340.0   5575159.0   29358810.0
  Length Wtd. (ft)           24.04    Wetted Per. (ft)         1978.21     202.11    1932.08
  Min Ch El (ft)            639.16    Shear (lb/sq ft)            0.06       0.10       0.07
  Alpha                       1.04    Stream Power (lb/ft s)      0.03       0.08       0.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    399327.20   22318.31   150707.40
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  C & E Loss (ft)             0.00    Cum SA (acres)           3713.05     145.94    1334.71


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 22514.2*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  442.64  730.75  614.77  711.11  762.32  700.56  885.27  699.11
  911.16  699.96    1082  707.09 1180.36  706.79 1309.79  694.82 1377.09   688.8
 1423.68  679.21 1475.45  667.47 1480.63  667.04 1573.82  660.66 1708.42  659.28
 1770.55   659.2 1936.21  656.39 2107.05  652.35    2164  650.12    2214  639.12
  2305.2  639.12    2364  649.64 2406.61  650.75 2470.52  651.52 2470.52  651.28
 2577.04  652.55 2598.35  653.17    3099  660.95 3237.48  662.93    3344  664.68
    3589  672.22 3663.56  683.35    4324  783.59 4537.04  789.15 4622.26     792
 4750.09  795.25    4814  797.24

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2164     .15    2364     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2164    2364             24.04   24.04   24.04             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)            24.04      24.04      24.04
  Crit W.S. (ft)                      Flow Area (sq ft)       132846.90   23575.70   148565.60
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            132846.90   23575.70   148565.60
  Q Total (cfs)           206224.30    Flow (cfs)              81173.31   20898.98   104152.00
  Top Width (ft)           3987.58    Top Width (ft)           1983.53     200.00    1804.05
  Vel Total (ft/s)            0.68    Avg. Vel. (ft/s)            0.61       0.89       0.70
  Max Chl Dpth (ft)         120.80    Hydr. Depth (ft)           66.98     117.88      82.35
  Conv. Total (cfs)       55013980.0    Conv. (cfs)             21654420.0   5575175.0   27784390.0
  Length Wtd. (ft)           24.04    Wetted Per. (ft)         1990.28     202.13    1811.13
  Min Ch El (ft)            639.12    Shear (lb/sq ft)            0.06       0.10       0.07
  Alpha                       1.04    Stream Power (lb/ft s)      0.04       0.09       0.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    399254.00   22305.30   150622.90
  C & E Loss (ft)             0.00    Cum SA (acres)           3711.96     145.83    1333.68


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 22490.1*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  445.09   730.5  618.18  710.74  766.55  700.38  890.18   699.4
  916.21  700.41    1088  708.06 1186.91  707.86 1317.05  695.49 1384.73   689.2
 1431.58  679.18 1483.64  667.31 1488.84   666.9 1582.55  660.44 1717.89  659.29
 1780.36  659.13 1946.95  655.99 2118.74     652    2176  650.08    2226  639.08
  2316.8  639.08    2376  649.76    2416  650.69    2476  651.49    2476  651.33
    2576  652.67    2596  653.17    3066  660.63    3196  662.52    3296  664.12
    3526  671.48    3596  682.96    4216  785.73    4416  790.88    4496  793.36
    4616   796.4    4676  798.16

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2176     .15    2376     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2176    2376             24.04   24.04   24.04             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)            24.04      24.04      24.04
  Crit W.S. (ft)                      Flow Area (sq ft)       133478.70   23576.68   139554.80
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            133478.70   23576.68   139554.80
  Q Total (cfs)           206224.30    Flow (cfs)              83780.53   21486.87   100956.90
  Top Width (ft)           3879.72    Top Width (ft)           1995.44     200.00    1684.29
  Vel Total (ft/s)            0.70    Avg. Vel. (ft/s)            0.63       0.91       0.72
  Max Chl Dpth (ft)         120.84    Hydr. Depth (ft)           66.89     117.88      82.86
  Conv. Total (cfs)       53508650.0    Conv. (cfs)             21738380.0   5575160.0   26195100.0
  Length Wtd. (ft)           24.04    Wetted Per. (ft)         2002.37     202.15    1691.95
  Min Ch El (ft)            639.08    Shear (lb/sq ft)            0.06       0.11       0.08
  Alpha                       1.04    Stream Power (lb/ft s)      0.04       0.10       0.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    399180.50   22292.29   150543.40
  C & E Loss (ft)             0.00    Cum SA (acres)           3710.86     145.72    1332.72


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 22466.0*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  447.55  730.25  621.59  710.37  770.77  700.19  895.09   699.7
  921.26  700.86    1094  709.03 1193.45  708.93 1324.32  696.17 1392.36   689.6
 1439.47  679.14 1491.82  667.16 1497.05  666.77 1591.27  660.22 1727.37   659.3
 1790.18  659.07 1957.68   655.6 2130.42  651.65    2188  650.04    2238  639.04
  2328.4  639.04    2388  649.88 2425.39  650.64 2481.48  651.47 2481.48  651.39
 2574.96  652.78 2593.65  653.18    3033  660.32 3154.52  662.11    3248  663.56
    3463  670.74 3528.43  682.57    4108  787.86 4294.96  792.61 4369.74  794.72
 4481.91  797.55    4538  799.08

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
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       0     .15    2188     .15    2388     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2188    2388            24.04   24.04   24.04             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)            24.04      24.04      24.04
  Crit W.S. (ft)                      Flow Area (sq ft)       134105.90   23577.60   130540.90
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            134105.90   23577.60   130540.90
  Q Total (cfs)           206224.30    Flow (cfs)              86566.38   22117.04   97540.88
  Top Width (ft)           3773.54    Top Width (ft)           2007.34     200.00    1566.19
  Vel Total (ft/s)            0.72    Avg. Vel. (ft/s)            0.65       0.94       0.75
  Max Chl Dpth (ft)         120.88    Hydr. Depth (ft)           66.81     117.89      83.35
  Conv. Total (cfs)       51983640.0    Conv. (cfs)            21821070.0   5575115.0   24587450.0
  Length Wtd. (ft)           24.04    Wetted Per. (ft)         2014.47     202.17    1574.53
  Min Ch El (ft)            639.04    Shear (lb/sq ft)            0.07       0.11       0.08
  Alpha                       1.04    Stream Power (lb/ft s)      0.04       0.11       0.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    399106.70   22279.27   150468.80
  C & E Loss (ft)             0.00    Cum SA (acres)           3709.76     145.61    1331.82


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22442

INPUT
Description:
Station Elevation Data    num=      20
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780     450     730     625     710     775     700     900     700
    1100     710    1200     710    1400     690    1500     667    1600     660
    1800     659    2200     650    2250     639    2340     639    2400     650
    3000     660    3200     663    3400     670    4000     790    4400     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2200     .15    2400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2200    2400              449     449     449             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.93    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.92    Reach Len. (ft)           449.00     449.00     449.00
  Crit W.S. (ft)                      Flow Area (sq ft)       134732.70   23578.44   121529.90
  E.G. Slope (ft/ft)      0.000017    Area (sq ft)            134732.70   23578.44   121529.90
  Q Total (cfs)           206224.30    Flow (cfs)              89546.96   22792.05   93885.28
  Top Width (ft)           3668.84    Top Width (ft)           2019.26     200.00    1449.59
  Vel Total (ft/s)            0.74    Avg. Vel. (ft/s)            0.66       0.97       0.77
  Max Chl Dpth (ft)         120.92    Hydr. Depth (ft)           66.72     117.89      83.84
  Conv. Total (cfs)       50443370.0    Conv. (cfs)            21903580.0   5575035.0   22964750.0
  Length Wtd. (ft)          449.00    Wetted Per. (ft)         2026.59     202.20    1458.72
  Min Ch El (ft)            639.00    Shear (lb/sq ft)            0.07       0.12       0.09
  Alpha                       1.04    Stream Power (lb/ft s)      0.05       0.12       0.07
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    399032.50   22266.26   150399.30
  C & E Loss (ft)             0.00    Cum SA (acres)           3708.65     145.50    1330.99


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 21993

INPUT
Description:
Station Elevation Data    num=      13
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     756     150     756     950     700    1150     682    1200     681
    1350     670    1425     660    2600     650    2600     638    2700     638
    2800     650    3450     660    4000     762

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2600     .15    2800     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2600    2800              686     686     686             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.92    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)           686.00     686.00     686.00
  Crit W.S. (ft)                      Flow Area (sq ft)       186869.60   23782.28   95105.41
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            186869.60   23782.28   95105.41
  Q Total (cfs)           206224.30    Flow (cfs)             120169.80   20573.13   65481.34
  Top Width (ft)           3988.74    Top Width (ft)           2600.00     200.00    1188.74
  Vel Total (ft/s)            0.67    Avg. Vel. (ft/s)            0.64       0.87       0.69
  Max Chl Dpth (ft)         121.91    Hydr. Depth (ft)           71.87     118.91      80.01
  Conv. Total (cfs)       54806260.0    Conv. (cfs)            31936390.0   5467526.0   17402350.0
  Length Wtd. (ft)          686.00    Wetted Per. (ft)         2607.80     212.72    1198.00
  Min Ch El (ft)            638.00    Shear (lb/sq ft)            0.06       0.10       0.07
  Alpha                       1.02    Stream Power (lb/ft s)      0.04       0.09       0.05
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    397375.00   22022.17   149282.80
  C & E Loss (ft)             0.00    Cum SA (acres)           3684.84     143.44    1317.39


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 21307

INPUT
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Description:
Station Elevation Data    num=      19
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780     400     740     850     700    1000     700    1025     694
    1200     695    1400     696    1600     692    1800     688    2200     670
    2600     660    3600     650    3825     650    3900     635    4000     635
    4200     642    4450     660    5000     770    5300     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3825     .15    4200     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3825    4200             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)            97.50      97.50      97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       281945.70   45577.14   52179.30
  E.G. Slope (ft/ft)      0.000009    Area (sq ft)            281945.70   45577.14   52179.30
  Q Total (cfs)           206224.30    Flow (cfs)             148621.60   32278.92   25323.80
  Top Width (ft)           4748.59    Top Width (ft)          3624.06     375.00     749.53
  Vel Total (ft/s)            0.54    Avg. Vel. (ft/s)           0.53       0.71       0.49
  Max Chl Dpth (ft)         124.91    Hydr. Depth (ft)          77.80     121.54      69.62
  Conv. Total (cfs)       70573820.0    Conv. (cfs)            50861090.0   11046450.0   8666280.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)        3628.20     376.61     760.07
  Min Ch El (ft)            635.00    Shear (lb/sq ft)           0.04       0.06       0.04
  Alpha                       1.04    Stream Power (lb/ft s)     0.02       0.05       0.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    393683.50   21476.02   148123.00
  C & E Loss (ft)             0.00    Cum SA (acres)           3635.83     138.91    1302.13


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 21209.5*

INPUT
Description:
Station Elevation Data    num=      27
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   778.5  417.21  739.49  756.65  711.07  886.57  700.48 1031.79     700
 1043.03  699.97  1069.1  694.42 1251.63  694.92 1460.24  695.38 1668.85  691.24
 1877.45  687.11 2149.56  675.74 2294.66  669.89 2711.87   660.4  3439.3  653.44
  3754.9   649.9 3989.58  649.33 4052.08     640 4083.33  634.67 4183.33  634.67
 4383.33  642.08 4483.33  649.27 4633.33  661.17 4983.33     730 5183.33  767.47
 5233.33  769.19 5483.33  779.25

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3989.58     .15 4383.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3989.58 4383.33             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.91    Reach Len. (ft)            97.50      97.50      97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       294533.30   47862.38   52024.61
  E.G. Slope (ft/ft)      0.000008    Area (sq ft)            294533.30   47862.38   52024.61
  Q Total (cfs)           206224.30    Flow (cfs)             149468.80   32683.59   24071.92
  Top Width (ft)           4944.08    Top Width (ft)          3790.71     393.75     759.62
  Vel Total (ft/s)            0.52    Avg. Vel. (ft/s)           0.51       0.68       0.46
  Max Chl Dpth (ft)         125.24    Hydr. Depth (ft)          77.70     121.56      68.49
  Conv. Total (cfs)       73251570.0    Conv. (cfs)            53091820.0   11609320.0   8550426.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)        3794.47     395.03     769.83
  Min Ch El (ft)            634.67    Shear (lb/sq ft)           0.04       0.06       0.03
  Alpha                       1.04    Stream Power (lb/ft s)     0.02       0.04       0.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    393038.30   21371.45   148006.40
  C & E Loss (ft)             0.00    Cum SA (acres)           3627.53     138.05    1300.44


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 21112.*

INPUT
Description:
Station Elevation Data    num=      27
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     777  434.42  738.98  787.86  711.06  923.15  700.97 1074.35     700
 1086.06  699.95 1113.21  694.83 1303.27  694.85 1520.48  694.75 1737.69  690.48
  1954.9  686.22 2238.24  675.22 2389.32  669.78 2823.75  660.79 3581.18  653.85
  3909.8   649.8 4154.17  648.67 4229.17     640 4266.67  634.33 4366.67  634.33
 4566.67  642.17 4666.67  649.33 4816.67  662.33 5166.67     730 5366.67  764.93
 5416.67  766.72 5666.67   778.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 4154.17     .15 4566.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       4154.17 4566.67             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)            97.50      97.50      97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       307179.90   50158.84   51895.73
  E.G. Slope (ft/ft)      0.000007    Area (sq ft)            307179.90   50158.84   51895.73
  Q Total (cfs)           206224.30    Flow (cfs)             150258.00   33063.67   22902.68
  Top Width (ft)           5142.56    Top Width (ft)          3958.84     412.50     771.23
  Vel Total (ft/s)            0.50    Avg. Vel. (ft/s)           0.49       0.66       0.44
  Max Chl Dpth (ft)         125.57    Hydr. Depth (ft)          77.59     121.60      67.29
  Conv. Total (cfs)       75933340.0    Conv. (cfs)            55326120.0   12174290.0   8432938.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)        3962.26     413.58     781.12
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  Min Ch El (ft)            634.33    Shear (lb/sq ft)            0.04       0.06       0.03
  Alpha                       1.05    Stream Power (lb/ft s)      0.02       0.04       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    392364.90   21261.75   147890.10
  C & E Loss (ft)             0.00    Cum SA (acres)           3618.86     137.15    1298.73


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 21014.5*

INPUT
Description:
Station Elevation Data    num=      27
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   775.5  451.63  738.47  819.07  711.05  959.72  701.45 1116.92     700
 1129.08  699.92 1157.31  695.25  1354.9  694.77 1580.72  694.13 1806.54  689.73
 2032.35  685.33 2326.91   674.7 2483.99  669.66 2935.62  661.19 3723.06  654.27
 4064.71  649.71 4318.75     648 4406.25     640    4450     634    4550     634
    4750  642.25    4850   649.4    5000   663.5    5350     730    5550   762.4
    5600  764.25    5850  777.75

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 4318.75     .15    4750     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       4318.75    4750             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)            97.50      97.50      97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       319865.80   52464.90   51790.02
  E.G. Slope (ft/ft)      0.000007    Area (sq ft)            319865.80   52464.90   51790.02
  Q Total (cfs)           206224.30    Flow (cfs)             150992.90   33426.32   21805.11
  Top Width (ft)           5344.38    Top Width (ft)           4128.54     431.25     784.59
  Vel Total (ft/s)            0.49    Avg. Vel. (ft/s)            0.47       0.64       0.42
  Max Chl Dpth (ft)         125.90    Hydr. Depth (ft)           77.48     121.66      66.01
  Conv. Total (cfs)       78611080.0    Conv. (cfs)            57557300.0   12741850.0   8311935.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)         4131.66     432.19     794.18
  Min Ch El (ft)            634.00    Shear (lb/sq ft)            0.03       0.05       0.03
  Alpha                       1.05    Stream Power (lb/ft s)      0.02       0.03       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    391663.20   21146.90   147774.10
  C & E Loss (ft)             0.00    Cum SA (acres)           3609.81     136.21    1296.99


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 20917.*

INPUT
Description:
Station Elevation Data    num=      27
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     774  468.85  737.96  850.29  711.05   996.3  701.94 1159.48     700
 1172.11   699.9 1201.42  695.67 1406.54   694.7 1640.96   693.5 1875.38  688.97
  2109.8  684.43 2415.59  674.17 2578.65  669.55 3047.49  661.59 3864.94  654.68
 4219.61  649.61 4483.33  647.33 4583.33     640 4633.33  633.67 4733.33  633.67
 4933.33  642.33 5033.33  649.47 5183.33  664.67 5533.33     730 5733.33  759.87
 5783.33  761.78 6033.33     777

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 4483.33     .15 4933.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       4483.33 4933.33             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)            97.50      97.50      97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       332614.30   54781.38   51718.18
  E.G. Slope (ft/ft)      0.000006    Area (sq ft)            332614.30   54781.38   51718.18
  Q Total (cfs)           206224.30    Flow (cfs)             151689.30   33774.23   20760.79
  Top Width (ft)           5550.83    Top Width (ft)           4299.95     450.00     800.88
  Vel Total (ft/s)            0.47    Avg. Vel. (ft/s)            0.46       0.62       0.40
  Max Chl Dpth (ft)         126.23    Hydr. Depth (ft)           77.35     121.74      64.58
  Conv. Total (cfs)       81287180.0    Conv. (cfs)            59791180.0   13312750.0   8183257.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)         4302.81     450.85     810.17
  Min Ch El (ft)            633.67    Shear (lb/sq ft)            0.03       0.05       0.03
  Alpha                       1.05    Stream Power (lb/ft s)      0.01       0.03       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    390932.90   21026.88   147658.20
  C & E Loss (ft)             0.00    Cum SA (acres)           3600.38     135.22    1295.21


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 20819.5*

INPUT
Description:
Station Elevation Data    num=      27
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   772.5  486.06  737.45   881.5  711.04 1032.87  702.42 1202.05     700
 1215.14  699.87 1245.52  696.08 1458.17  694.62  1701.2  692.88 1944.23  688.21
 2187.25  683.54 2504.27  673.65 2673.31  669.44 3159.37  661.99 4006.82   655.1
 4374.51  649.51 4647.92  646.67 4760.42     640 4816.67  633.33 4916.67  633.33
 5116.67  642.42 5216.67  649.53 5366.67  665.83 5716.67     730 5916.67  757.33
 5966.67  759.31 6216.67  776.25

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 4647.92     .15 5116.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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       4647.92 5116.67              97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)            97.50      97.50      97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       345415.30   57109.03   51751.55
  E.G. Slope (ft/ft)      0.000006    Area (sq ft)            345415.30   57109.03   51751.55
  Q Total (cfs)           206224.30    Flow (cfs)             152748.60   34201.69   19273.99
  Top Width (ft)           5800.74    Top Width (ft)           4473.23     468.75     858.75
  Vel Total (ft/s)            0.45    Avg. Vel. (ft/s)            0.44       0.60       0.37
  Max Chl Dpth (ft)         126.57    Hydr. Depth (ft)           77.22     121.83      60.26
  Conv. Total (cfs)       83737000.0    Conv. (cfs)            62023300.0  13887530.0  7826170.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)         4475.87     469.55     867.64
  Min Ch El (ft)            633.33    Shear (lb/sq ft)            0.03       0.05       0.02
  Alpha                       1.05    Stream Power (lb/ft s)      0.01       0.03       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    390174.10   20901.65  147542.40
  C & E Loss (ft)             0.00    Cum SA (acres)           3590.56     134.19    1293.36


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 20722.*

INPUT
Description:
Station Elevation Data    num=      27
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     771  503.27  736.94  912.72  711.04 1069.44   702.9 1244.61     700
 1258.17  699.85 1289.62   696.5  1509.8  694.55 1761.44  692.25 2013.07  687.45
 2264.71  682.65 2592.94  673.13 2767.97  669.32 3271.24  662.38 4148.71  655.51
 4529.41  649.41  4812.5     646  4937.5     640    5000     633    5100     633
    5300   642.5    5400   649.6    5550     667    5900     730    6100   754.8
    6150  756.83    6400   775.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  4812.5     .15    5300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        4812.5    5300              97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)            97.50      97.50      97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       358289.50   59446.35   51884.82
  E.G. Slope (ft/ft)      0.000006    Area (sq ft)            358289.50   59446.35   51884.82
  Q Total (cfs)           206224.30    Flow (cfs)             153382.50   34529.41   18312.39
  Top Width (ft)           6027.17    Top Width (ft)           4648.53     487.50     891.15
  Vel Total (ft/s)            0.44    Avg. Vel. (ft/s)            0.43       0.58       0.35
  Max Chl Dpth (ft)         126.90    Hydr. Depth (ft)           77.08     121.94      58.22
  Conv. Total (cfs)       86396410.0    Conv. (cfs)            64258660.0  14465890.0  7671866.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)         4650.97     488.26     899.72
  Min Ch El (ft)            633.00    Shear (lb/sq ft)            0.03       0.04       0.02
  Alpha                       1.06    Stream Power (lb/ft s)      0.01       0.03       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    389386.60   20771.21  147426.40
  C & E Loss (ft)             0.00    Cum SA (acres)           3580.35     133.12    1291.40


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 20624.5*

INPUT
Description:
Station Elevation Data    num=      27
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   769.5  520.48  736.43  943.93  711.03 1106.02  703.39 1287.18     700
  1301.2  699.82 1333.73  696.92 1561.44  694.47 1821.68  691.63 2081.92  686.69
 2342.16  681.76 2681.62  672.61 2862.64  669.21 3383.12  662.78 4290.59  655.93
 4684.31  649.31 4977.08  645.33 5114.58     640 5183.33  632.67 5283.33  632.67
 5483.33  642.58 5583.33  649.67 5733.33  668.17 6083.33     730 6283.33  752.27
 6333.33  754.36 6583.33  774.75

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 4977.08     .15 5483.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        4977.08 5483.33              97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.91    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)            97.50      97.50      97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       371213.00   61794.09   52082.30
  E.G. Slope (ft/ft)      0.000005    Area (sq ft)            371213.00   61794.09   52082.30
  Q Total (cfs)           206224.30    Flow (cfs)             153873.80   34825.86   17524.62
  Top Width (ft)           6250.23    Top Width (ft)           4826.03     506.25     917.95
  Vel Total (ft/s)            0.43    Avg. Vel. (ft/s)            0.41       0.56       0.34
  Max Chl Dpth (ft)         127.23    Hydr. Depth (ft)           76.92     122.06      56.74
  Conv. Total (cfs)       89109000.0    Conv. (cfs)            66488490.0  15048170.0  7572343.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)         4828.30     506.99     926.27
  Min Ch El (ft)            632.67    Shear (lb/sq ft)            0.03       0.04       0.02
  Alpha                       1.06    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    388570.20   20635.53  147310.10
  C & E Loss (ft)             0.00    Cum SA (acres)           3569.75     132.01    1289.37


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 20527.*

INPUT
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Description:
Station Elevation Data    num=      27
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     768  537.69  735.92  975.14  711.02 1142.59  703.87 1329.74     700
 1344.23   699.8 1377.83  697.33 1613.07   694.4 1881.92     691 2150.76  685.93
 2419.61  680.87 2770.29  672.09  2957.3   669.1 3494.99  663.18 4432.47  656.34
 4839.22  649.22 5141.67  644.67 5291.67     640 5366.67  632.33 5466.67  632.33
 5666.67  642.67 5766.67  649.73 5916.67  669.33 6266.67     730 6466.67  749.73
 6516.67  751.89 6766.67     774

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 5141.67     .15 5666.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       5141.67 5666.67             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)             97.50      97.50      97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       384211.30   64152.91   52333.84
  E.G. Slope (ft/ft)      0.000005    Area (sq ft)            384211.30   64152.91   52333.84
  Q Total (cfs)           206224.30    Flow (cfs)             154262.40   35097.42   16864.49
  Top Width (ft)           6471.53    Top Width (ft)           5005.94     525.00     940.59
  Vel Total (ft/s)            0.41    Avg. Vel. (ft/s)            0.40       0.55       0.32
  Max Chl Dpth (ft)         127.57    Hydr. Depth (ft)           76.75     122.20      55.64
  Conv. Total (cfs)       91865730.0    Conv. (cfs)            68718510.0  15634680.0  7512542.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)         5008.07     525.73     948.71
  Min Ch El (ft)            632.33    Shear (lb/sq ft)            0.02       0.04       0.02
  Alpha                       1.06    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    387724.70   20494.57   147193.20
  C & E Loss (ft)             0.00    Cum SA (acres)           3558.74     130.85    1287.29


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 20429.5*

INPUT
Description:
Station Elevation Data    num=      27
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   766.5   554.9  735.41 1006.36  711.02 1179.17  704.35 1372.31     700
 1387.25  699.77 1421.94  697.75 1664.71  694.32 1942.16  690.38 2219.61  685.18
 2497.06  679.98 2858.97  671.57 3051.96  668.99 3606.86  663.58 4574.35  656.76
 4994.12  649.12 5306.25     644 5468.75     640     5550     632     5650     632
    5850  642.75    5950   649.8    6100   670.5    6450     730    6650   747.2
    6700  749.42    6950  773.25

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 5306.25     .15    5850     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       5306.25    5850             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)             97.50      97.50      97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       397272.30   66521.50   52619.66
  E.G. Slope (ft/ft)      0.000005    Area (sq ft)            397272.30   66521.50   52619.66
  Q Total (cfs)           206224.30    Flow (cfs)             154574.30   35351.71   16298.34
  Top Width (ft)           6692.19    Top Width (ft)           5188.48     543.75     959.96
  Vel Total (ft/s)            0.40    Avg. Vel. (ft/s)            0.39       0.53       0.31
  Max Chl Dpth (ft)         127.90    Hydr. Depth (ft)           76.57     122.34      54.81
  Conv. Total (cfs)       94648760.0    Conv. (cfs)            70943440.0  16225030.0  7480292.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)         5190.49     544.48     967.94
  Min Ch El (ft)            632.00    Shear (lb/sq ft)            0.02       0.04       0.02
  Alpha                       1.06    Stream Power (lb/ft s)      0.01       0.02       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    386850.10   20348.33   147075.80
  C & E Loss (ft)             0.00    Cum SA (acres)           3547.34     129.66    1285.17


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 20332.*

INPUT
Description:
Station Elevation Data    num=      27
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     765  572.11   734.9 1037.57  711.01 1215.74  704.84 1414.87     700
 1430.28  699.75 1466.04  698.17 1716.34  694.25  2002.4  689.75 2288.45  684.42
 2574.51  679.09 2947.65  671.04 3146.62  668.87 3718.74  663.97 4716.24  657.17
 5149.02  649.02 5470.83  643.33 5645.83     640 5733.33  631.67 5833.33  631.67
 6033.33  642.83 6133.33  649.87 6283.33  671.67 6633.33     730 6833.33  744.67
 6883.33  746.94 7133.33   772.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 5470.83     .15 6033.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       5470.83 6033.33             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)             97.50      97.50      97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       410437.40   68900.52   52937.63
  E.G. Slope (ft/ft)      0.000004    Area (sq ft)            410437.40   68900.52   52937.63
  Q Total (cfs)           206224.30    Flow (cfs)             154829.50   35588.93   15805.87
  Top Width (ft)           6913.19    Top Width (ft)           5373.92     562.50     976.77
  Vel Total (ft/s)            0.39    Avg. Vel. (ft/s)            0.38       0.52       0.30
  Max Chl Dpth (ft)         128.23    Hydr. Depth (ft)           76.38     122.49      54.20
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  Conv. Total (cfs)        97462630.0    Conv. (cfs)             73173200.0   16819500.0   7469932.0
  Length Wtd. (ft)            97.50    Wetted Per. (ft)         5375.83     563.24     984.67
  Min Ch El (ft)             631.67    Shear (lb/sq ft)            0.02       0.03       0.02
  Alpha                        1.06    Stream Power (lb/ft s)      0.01       0.02       0.00
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    385946.20   20196.77   146957.60
  C & E Loss (ft)              0.00    Cum SA (acres)           3535.51     128.42    1283.00


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 20234.5*

INPUT
Description:
Station Elevation Data    num=      27
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   763.5  589.32  734.39 1068.79  711.01 1252.31  705.32 1457.44     700
 1473.31  699.72 1510.14  698.58 1767.97  694.17 2062.64  689.13  2357.3  683.66
 2651.96  678.19 3036.32  670.52 3241.29  668.76 3830.61  664.37 4858.12  657.59
 5303.92  648.92 5635.42  642.67 5822.92     640 5916.67  631.33 6016.67  631.33
 6216.67  642.92 6316.67  649.93 6466.67  672.83 6816.67     730 7016.67  742.13
 7066.67  744.47 7316.67  771.75

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 5635.42     .15 6216.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       5635.42 6216.67             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)            97.50      97.50      97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       423668.90   71290.52   53284.11
  E.G. Slope (ft/ft)      0.000004    Area (sq ft)            423668.90   71290.52   53284.11
  Q Total (cfs)           206224.30    Flow (cfs)             155031.10   35816.89   15376.33
  Top Width (ft)           7135.22    Top Width (ft)           5562.56     581.25     991.41
  Vel Total (ft/s)            0.38    Avg. Vel. (ft/s)            0.37       0.50       0.29
  Max Chl Dpth (ft)         128.57    Hydr. Depth (ft)           76.16     122.65      53.75
  Conv. Total (cfs)       100290100.0    Conv. (cfs)            75394020.0   17418310.0   7477746.0
  Length Wtd. (ft)            97.50    Wetted Per. (ft)         5564.38     582.00     999.30
  Min Ch El (ft)             631.33    Shear (lb/sq ft)            0.02       0.03       0.01
  Alpha                        1.07    Stream Power (lb/ft s)      0.01       0.02       0.00
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    385012.70   20039.88   146838.80
  C & E Loss (ft)              0.00    Cum SA (acres)           3523.28     127.14    1280.80


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 20137

INPUT
Description:
Station Elevation Data    num=      14
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     762    1100     711    1500     700    3125     670    5000     658
    5800     642    6000     640    6100     631    6200     631    6400     643
    6500     650    7000     730    7250     742    7500     771

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5800     .15    6400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5800    6400           335.02  335.02  335.02             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    3400     762       F

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.90    Reach Len. (ft)           335.02     335.02     335.02
  Crit W.S. (ft)            652.22    Flow Area (sq ft)       242761.60   73688.41   53643.41
  E.G. Slope (ft/ft)      0.000007    Area (sq ft)            436977.30   73688.41   53643.41
  Q Total (cfs)           206224.30    Flow (cfs)             138516.60   47814.21   19893.51
  Top Width (ft)           7358.94    Top Width (ft)           5754.65     600.00    1004.29
  Vel Total (ft/s)            0.56    Avg. Vel. (ft/s)            0.57       0.65       0.37
  Max Chl Dpth (ft)         128.90    Hydr. Depth (ft)          101.15     122.81      53.41
  Conv. Total (cfs)       77722120.0    Conv. (cfs)            52204340.0   18020290.0   7497495.0
  Length Wtd. (ft)          335.02    Wetted Per. (ft)         2400.19     600.77    1012.21
  Min Ch El (ft)            631.00    Shear (lb/sq ft)            0.04       0.05       0.02
  Alpha                        1.06    Stream Power (lb/ft s)      0.03       0.03       0.01
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    384049.50   19877.63   146719.10
  C & E Loss (ft)              0.00    Cum SA (acres)           3510.61     125.82    1278.56


Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water
         surface was used.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 19802

INPUT
Description:
Station Elevation Data    num=      19
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     790     500     750     700     720     850     700    1350     670
    1600     660    2000     650    2150     650    3100     642    3200     640
    3250     630    3350     630    3500     642    3675     660    3750     660
    3800     670    3900     670    4150     711    4600     771

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
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       0     .15    3100     .15    3500     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3100    3500              589     589     589             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)           589.00     589.00     589.00
  Crit W.S. (ft)                      Flow Area (sq ft)       240887.30   49707.77   66596.35
  E.G. Slope (ft/ft)      0.000009    Area (sq ft)            240887.30   49707.77   66596.35
  Q Total (cfs)           206224.30    Flow (cfs)             138974.30   35933.03   31316.95
  Top Width (ft)           4140.39    Top Width (ft)           2723.68     400.00    1016.71
  Vel Total (ft/s)            0.58    Avg. Vel. (ft/s)            0.58       0.72       0.47
  Max Chl Dpth (ft)         129.89    Hydr. Depth (ft)           88.44     124.27      65.50
  Conv. Total (cfs)       70200610.0    Conv. (cfs)            47308110.0   12231930.0   10660570.0
  Length Wtd. (ft)          589.00    Wetted Per. (ft)         2728.90     401.49    1025.21
  Min Ch El (ft)            630.00    Shear (lb/sq ft)            0.05       0.07       0.03
  Alpha                       1.05    Stream Power (lb/ft s)      0.03       0.05       0.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    381442.80   19403.11   146256.70
  C & E Loss (ft)             0.00    Cum SA (acres)           3478.01     121.97    1270.79


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 19213

INPUT
Description:
Station Elevation Data    num=      20
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     740     100     740     150     730     300     720     600     670
     790     660     800     652    1000     650    1200     649    1300     642
    1600     640    2600     640    2650     629    2750     629    2900     640
    3200     650    3500     720    3600     731    3750     731    4400     784

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2600     .15    2900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2600    2900              290     290     290             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.90    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)           290.00     290.00     290.00
  Crit W.S. (ft)                      Flow Area (sq ft)       257853.20   38166.91   69824.18
  E.G. Slope (ft/ft)      0.000008    Area (sq ft)            257853.20   38166.91   69824.18
  Q Total (cfs)           206224.30    Flow (cfs)             151071.00   26499.93   28653.35
  Top Width (ft)           4104.31    Top Width (ft)           2600.00     300.00    1204.31
  Vel Total (ft/s)            0.56    Avg. Vel. (ft/s)            0.59       0.69       0.41
  Max Chl Dpth (ft)         130.89    Hydr. Depth (ft)           99.17     127.22      57.98
  Conv. Total (cfs)       74163680.0    Conv. (cfs)            54329110.0   9530072.0   10304500.0
  Length Wtd. (ft)          290.00    Wetted Per. (ft)         2628.68     301.60    1214.31
  Min Ch El (ft)            629.00    Shear (lb/sq ft)            0.05       0.06       0.03
  Alpha                       1.06    Stream Power (lb/ft s)      0.03       0.04       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    378070.90   18809.00   145334.40
  C & E Loss (ft)             0.00    Cum SA (acres)           3442.01     117.24    1255.78


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 18923

INPUT
Description:
Station Elevation Data    num=      24
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     740      50     730     400     710     600     670     900     649
    1000     649    1050     645    1400     640    2200     640    2600     635
    2650     628    2750     628    3000     634    3050     639    3200     639
    3370     650    3450     650    3600     660    3800     658    4000     670
    4100     680    4450     680    4700     720    5000     762

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2600     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2600    3000               59      59      59             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)            59.00      59.00      59.00
  Crit W.S. (ft)                      Flow Area (sq ft)       261988.10   51830.86   164905.20
  E.G. Slope (ft/ft)      0.000004    Area (sq ft)            261988.10   51830.86   164905.20
  Q Total (cfs)           206224.30    Flow (cfs)             115142.20   27093.93   63988.21
  Top Width (ft)           4984.93    Top Width (ft)           2600.00     400.00    1984.93
  Vel Total (ft/s)            0.43    Avg. Vel. (ft/s)            0.44       0.52       0.39
  Max Chl Dpth (ft)         131.89    Hydr. Depth (ft)          100.76     129.58      83.08
  Conv. Total (cfs)       99978740.0    Conv. (cfs)            55821590.0   13135300.0   31021860.0
  Length Wtd. (ft)           59.00    Wetted Per. (ft)         2626.37     400.56    1992.69
  Min Ch El (ft)            628.00    Shear (lb/sq ft)            0.03       0.03       0.02
  Alpha                       1.03    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    376340.50   18509.42   144553.00
  C & E Loss (ft)             0.00    Cum SA (acres)           3424.70     114.91    1245.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 18864

INPUT
Description:
Station Elevation Data    num=      23
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     760     200     720     500     690     800     690     850     688
    1050     690    1300     711    1400     715    1600     711    2000     647
    2200     650    2600     646    2900     638    3300     638    4000     630
    4025     626    4150     626    4175     630    4750     650    4900     650
    5000     655    5050     657    5800     756

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4000     .15    4175     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4000    4175            172.67  172.67  172.67             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)           172.67     172.67     172.67
  Crit W.S. (ft)                      Flow Area (sq ft)       359684.10   23330.71   141395.90
  E.G. Slope (ft/ft)      0.000004    Area (sq ft)            359684.10   23330.71   141395.90
  Q Total (cfs)           206224.30    Flow (cfs)             140490.70   11842.26   53891.34
  Top Width (ft)           5799.45    Top Width (ft)           3999.45     175.00    1625.00
  Vel Total (ft/s)            0.39    Avg. Vel. (ft/s)            0.39       0.51       0.38
  Max Chl Dpth (ft)         133.89    Hydr. Depth (ft)           89.93     133.32      87.01
  Conv. Total (cfs)       104780400.0    Conv. (cfs)           71381850.0   6016929.0   27381620.0
  Length Wtd. (ft)          172.67    Wetted Per. (ft)         4011.23     175.64    1635.91
  Min Ch El (ft)            626.00    Shear (lb/sq ft)            0.02       0.03       0.02
  Alpha                       1.01    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    375919.50   18458.52   144345.60
  C & E Loss (ft)             0.00    Cum SA (acres)           3420.24     114.52    1242.72


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 18691.3*

INPUT
Description:
Station Elevation Data    num=      47
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     760  279.17  724.22  510.48  705.62   638.1  699.52   638.1  696.86
  697.92     694  893.33     694 1020.95     690 1116.67     690 1186.46  688.67
 1465.62     690 1467.62  690.08 1563.33  690.59 1786.67  699.55 1814.58   700.3
 1914.29   700.9 1954.17  701.94 2233.33  701.22 2392.86  690.14 2488.57  681.16
 2552.38  677.95 2791.67  657.92 2871.43   657.9 3070.83  658.29 3254.29  656.46
 3445.71  656.21 3629.17  654.69 3828.57  651.46 4047.92  647.81 4083.81  647.67
 4402.86     642 4606.25  640.72  4721.9  639.37 5009.05   635.8 5232.38  634.58
 5583.33     630 5608.33     624 5716.67     624 5733.33     630 6044.44  639.43
 6346.67  646.57    6400  646.67 6506.67  646.67 6613.33     650 6666.67  651.33
 6755.56  658.67 7466.67     758

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 5583.33     .15 5733.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       5583.33 5733.33            172.67  172.67  172.67             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)           172.67     172.67     172.67
  Crit W.S. (ft)                      Flow Area (sq ft)       489491.10   20258.50   156098.00
  E.G. Slope (ft/ft)      0.000002    Area (sq ft)            489491.10   20258.50   156098.00
  Q Total (cfs)           206224.30    Flow (cfs)             149590.10    8201.21   48432.93
  Top Width (ft)           7465.81    Top Width (ft)           5582.47     150.00    1733.34
  Vel Total (ft/s)            0.31    Avg. Vel. (ft/s)            0.31       0.40       0.31
  Max Chl Dpth (ft)         135.89    Hydr. Depth (ft)           87.68     135.06      90.06
  Conv. Total (cfs)       131808900.0    Conv. (cfs)           95611020.0   5241830.0   30956060.0
  Length Wtd. (ft)          172.67    Wetted Per. (ft)         5590.57     151.76    1742.73
  Min Ch El (ft)            624.00    Shear (lb/sq ft)            0.01       0.02       0.01
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.01       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    374236.40   18372.13   143756.00
  C & E Loss (ft)             0.00    Cum SA (acres)           3401.24     113.88    1236.06


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 18518.6*

INPUT
Description:
Station Elevation Data    num=      47
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     760  358.33  728.44  655.24  707.81  819.05  704.76  819.05  699.43
  895.83     698 1146.67     698 1310.48     690 1433.33     690 1522.92  689.33
 1881.25     690 1883.81  690.04 2006.67  685.29 2293.33  689.77 2329.17   689.6
 2457.14  687.95 2508.33  688.89 2866.67  691.44 3071.43  687.57 3194.29  680.58
 3276.19  681.48 3583.33  668.83 3685.71  667.95 3941.67  666.58 4177.14  664.23
 4422.86   665.1 4658.33  663.39 4914.29  660.73 5195.83  657.61  5241.9  657.33
 5651.43     646  5912.5  643.45 6060.95  641.68 6429.52   636.9 6716.19  636.29
 7166.67     630 7191.67     622 7283.33     622 7291.67     630 7622.22  638.71
 7943.33  643.13    8000  643.33 8113.33  643.33 8226.67     645 8283.33  645.67
 8377.78  649.33 9133.33     760

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 7166.67     .15 7291.67     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       7166.67 7291.67            172.67  172.67  172.67             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)           172.67     172.67     172.67
  Crit W.S. (ft)                      Flow Area (sq ft)       612173.90   17102.88   171466.20
  E.G. Slope (ft/ft)      0.000002    Area (sq ft)            612173.90   17102.88   171466.20
  Q Total (cfs)           206224.30    Flow (cfs)             154656.40    5782.28   45785.62
  Top Width (ft)           9131.33    Top Width (ft)           7165.42     125.00    1840.91
  Vel Total (ft/s)            0.26    Avg. Vel. (ft/s)            0.25       0.34       0.27
  Max Chl Dpth (ft)         137.89    Hydr. Depth (ft)           85.43     136.82      93.14
  Conv. Total (cfs)       156731800.0    Conv. (cfs)            117539900.0   4394572.0   34797370.0
  Length Wtd. (ft)          172.67    Wetted Per. (ft)         7174.06     129.47    1849.20
  Min Ch El (ft)            622.00    Shear (lb/sq ft)            0.01       0.01       0.01
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    372053.00   18298.08   143106.80
  C & E Loss (ft)             0.00    Cum SA (acres)           3375.98     113.33    1228.97


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 18346

INPUT
Description:
Station Elevation Data    num=      30
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     760     800     710    1000     710    1000     702    1400     702
    1600     690    2300     690    2450     680    2800     680    3000     675
    3750     685    3900     680    4000     685    4500     678    5100     672
    5400     674    6000     670    6400     667    6900     650    7400     644
    7850     638    8200     638    8750     630    8775     620    8850     620
    8850     630    9200     638    9600     640   10000     640   10800     762

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8750     .15    8850     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8750    8850              421     421     421             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    6400     670       F

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)           421.00     421.00     421.00
  Crit W.S. (ft)            644.00    Flow Area (sq ft)       727711.20   13863.98   187499.80
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            727711.20   13863.98   187499.80
  Q Total (cfs)           206224.30    Flow (cfs)             157501.90    3916.18   44806.24
  Top Width (ft)          10784.40    Top Width (ft)           8748.24     100.00    1936.16
  Vel Total (ft/s)            0.22    Avg. Vel. (ft/s)            0.22       0.28       0.24
  Max Chl Dpth (ft)         139.89    Hydr. Depth (ft)           83.18     138.64      96.84
  Conv. Total (cfs)       179711100.0    Conv. (cfs)            137252700.0   3412692.0   39045720.0
  Length Wtd. (ft)          421.00    Wetted Per. (ft)         8759.36     111.93    1945.35
  Min Ch El (ft)            620.00    Shear (lb/sq ft)            0.01       0.01       0.01
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    369397.30   18236.71   142395.30
  C & E Loss (ft)             0.00    Cum SA (acres)           3344.44     112.89    1221.49


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 17925

INPUT
Description:
Station Elevation Data    num=      20
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     770     800     680    1000     670    2300     670    2600     665
    3000     660    3650     662    4600     652    4700     650    6000     640
    6400     632    6420     629    6420     618    6600     618    6600     629
    7100     629    7700     638    8200     640    8300     640    9200     750

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    6420     .15    6600     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          6420    6600              414     414     414             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4200     670       F

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)           414.00     414.00     414.00
  Crit W.S. (ft)            641.07    Flow Area (sq ft)       603283.60   25540.07   272112.10
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            603283.60   25540.07   272112.10
  Q Total (cfs)           206224.30    Flow (cfs)             134833.80    6895.71   64494.84
  Top Width (ft)           9110.13    Top Width (ft)           6330.13     180.00    2600.00
  Vel Total (ft/s)            0.23    Avg. Vel. (ft/s)            0.22       0.27       0.24
  Max Chl Dpth (ft)         141.89    Hydr. Depth (ft)           95.30     141.89     104.66
  Conv. Total (cfs)       190604800.0    Conv. (cfs)            124621400.0   6373429.0   59609990.0
  Length Wtd. (ft)          414.00    Wetted Per. (ft)         6335.35     202.00    2616.66
  Min Ch El (ft)            618.00    Shear (lb/sq ft)            0.01       0.01       0.01
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    362965.40   18046.29   140174.30
  C & E Loss (ft)             0.00    Cum SA (acres)           3271.57     111.53    1199.57


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water
         surface was used.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 17511

INPUT
Description:
Station Elevation Data    num=      24
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     760     400     720     900     735    1400     710    2000     670
    2300     670    2300     659    2450     659    2450     670    3200     670
    3650     660    4000     660    4300     655    4800     657    5250     650
    6800     640    7000     630    7100     617    7200     617    7300     630
    8000     630    8400     632    9200     640   10000     768

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    7000     .15    7300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          7000    7300              441     441     441             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    5100     670       F

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)           441.00     441.00     441.00
  Crit W.S. (ft)            638.29    Flow Area (sq ft)       605547.10   41566.66   286505.50
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            605547.10   41566.66   286505.50
  Q Total (cfs)           206224.30    Flow (cfs)             125523.20   11779.83   68921.29
  Top Width (ft)           9948.19    Top Width (ft)           6998.89     300.00    2649.31
  Vel Total (ft/s)            0.22    Avg. Vel. (ft/s)            0.21       0.28       0.24
  Max Chl Dpth (ft)         142.89    Hydr. Depth (ft)           86.52     138.56     108.14
  Conv. Total (cfs)       192300000.0    Conv. (cfs)           117047800.0   10984460.0   64267720.0
  Length Wtd. (ft)          441.00    Wetted Per. (ft)         7025.55     301.68    2658.88
  Min Ch El (ft)            617.00    Shear (lb/sq ft)            0.01       0.01       0.01
  Alpha                       1.03    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    357221.00   17727.39   137519.70
  C & E Loss (ft)             0.00    Cum SA (acres)           3208.23     109.25    1174.62


Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water
         surface was used.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 17070

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     742     200     730     400     730     400     720     800     720
     800     710    1200     710    1200     705    1550     700    2000     700
    2050     680    2600     680    2800     670    3500     670    3600     660
    3800     660    3800     670    4200     672    5200     660    5800     648
    6400     652    7800     640    8100     640    8500     630    8510     616
    8690     616    8700     630    9800     630   10400     640   10700     640
   11100     670   11600     660   12200     660   12300     670   12500     670
   13600     790

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8500     .15    8700     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8500    8700              411     411     411             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    6300     670       F

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)           411.00     411.00     411.00
  Crit W.S. (ft)            638.30    Flow Area (sq ft)       754779.30   28637.75   467610.50
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            754779.30   28637.75   467610.50
  Q Total (cfs)           206224.30    Flow (cfs)             119336.00    5971.24   80917.02
  Top Width (ft)          13323.98    Top Width (ft)           8500.00     200.00    4623.98
  Vel Total (ft/s)            0.16    Avg. Vel. (ft/s)            0.16       0.21       0.17
  Max Chl Dpth (ft)         143.89    Hydr. Depth (ft)           88.80     143.19     101.13
  Conv. Total (cfs)       256004800.0    Conv. (cfs)           148142500.0   7412640.0   100449600.0
  Length Wtd. (ft)          411.00    Wetted Per. (ft)         8558.27     214.41    4630.68
  Min Ch El (ft)            616.00    Shear (lb/sq ft)            0.00       0.01       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    350335.10   17372.02   133702.30
  C & E Loss (ft)             0.00    Cum SA (acres)           3129.78     106.72    1137.81


Warning: The cross-section end points had to be extended vertically for the computed water surface.
Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water
         surface was used.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 16659

INPUT
Description:
Station Elevation Data    num=      26
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     760    1200     688    1550     680    1600     670    2100     670
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    2450     660    2500     650    2800     650    2850     660    3150     664
    3700     661    4450     650    5200     645    6000     645    6500     640
    6800     640    7200     630    7250     612    7400     612    7400     630
    8400     630    9150     640    9350     640    9800     650   10000     650
   11200     785

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    7200     .15    7400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          7200    7400              492     492     492             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4500     670        F

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)           492.00     492.00     492.00
  Crit W.S. (ft)            638.44    Flow Area (sq ft)       677520.90   29127.66   374878.20
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            677520.90   29127.66   374878.20
  Q Total (cfs)           206224.30    Flow (cfs)             125147.60    6734.74   74341.97
  Top Width (ft)          10974.92    Top Width (ft)           7198.14     200.00    3576.79
  Vel Total (ft/s)            0.19    Avg. Vel. (ft/s)            0.18       0.23       0.20
  Max Chl Dpth (ft)         147.89    Hydr. Depth (ft)           94.12     145.64     104.81
  Conv. Total (cfs)       228727700.0    Conv. (cfs)            138803800.0   7469645.0   82454230.0
  Length Wtd. (ft)          492.00    Wetted Per. (ft)         7203.78     221.14    3583.13
  Min Ch El (ft)            612.00    Shear (lb/sq ft)            0.00       0.01       0.01
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    343578.00   17099.50   129727.80
  C & E Loss (ft)             0.00    Cum SA (acres)           3055.72     104.83    1099.12


Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water
         surface was used.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 16167

INPUT
Description:
Station Elevation Data    num=      22
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     762    1000     680    1200     673    1600     665    2300     660
    2800     658    2900     657    3000     650    3200     650    3200     660
    3600     660    5200     640    6400     640    6800     637    7200     630
    7250     611    7400     611    7410     630    8800     630    9600     638
   10000     650   10400     760

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    7200     .15    7410     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          7200    7410              568     568     568             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4500     670        F

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)           568.00     568.00     568.00
  Crit W.S. (ft)            637.33    Flow Area (sq ft)       712170.40   30696.47   349565.00
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            712170.40   30696.47   349565.00
  Q Total (cfs)           206224.30    Flow (cfs)             128915.30    6878.42   70430.62
  Top Width (ft)          10373.84    Top Width (ft)           7174.24     210.00    2989.59
  Vel Total (ft/s)            0.19    Avg. Vel. (ft/s)            0.18       0.22       0.20
  Max Chl Dpth (ft)         148.89    Hydr. Depth (ft)           99.27     146.17     116.93
  Conv. Total (cfs)       241638700.0    Conv. (cfs)            151053600.0   8059635.0   82525490.0
  Length Wtd. (ft)          568.00    Wetted Per. (ft)         7188.18     224.96    3004.65
  Min Ch El (ft)            611.00    Shear (lb/sq ft)            0.00       0.01       0.01
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    335729.90   16761.65   125636.60
  C & E Loss (ft)             0.00    Cum SA (acres)           2974.55     102.52    1062.03


Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water
         surface was used.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 15599

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     760       0     750     300     750     700     680    1400     660
    2100     655    2600     655    3100     649    3400     649    3500     655
    4000     649    4400     649    4450     649    5000     649    5100     630
    5900     630    5900     632    6000     632    6100     629    6300     629
    6300     620    6500     620    6500     629    7400     629    7450     610
    7550     610    7700     629    9800     629   10800     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    7450     .15    7700     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          7450    7700              798     798     798             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4200     670        F

CROSS SECTION OUTPUT  Profile #PF 1
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```
  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)           798.00     798.00     798.00
  Crit W.S. (ft)            628.93    Flow Area (sq ft)       791437.30   36046.89   331590.90
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            791437.30   36046.89   331590.90
  Q Total (cfs)           206224.30    Flow (cfs)             138412.30    7732.29   60079.66
  Top Width (ft)          10666.80    Top Width (ft)           7450.00     250.00    2966.81
  Vel Total (ft/s)            0.18    Avg. Vel. (ft/s)           0.17       0.21       0.18
  Max Chl Dpth (ft)         149.89    Hydr. Depth (ft)         106.23     144.19     111.77
  Conv. Total (cfs)       261038100.0    Conv. (cfs)          175202000.0   9787511.0   76048660.0
  Length Wtd. (ft)          798.00    Wetted Per. (ft)         7491.84     251.20    2976.63
  Min Ch El (ft)            610.00    Shear (lb/sq ft)           0.00       0.01       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    325926.80   16326.50   121195.60
  C & E Loss (ft)             0.00    Cum SA (acres)           2879.21      99.52    1023.20


Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water
         surface was used.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 14801

INPUT
Description:
Station Elevation Data    num=      22
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     755     700     700    1300     660    2300     650    3600     650
    4000     640    4300     640    4900     660    6200     660    6400     640
    6800     640    7700     620    7750     609    7890     609    7900     620
    8000     625    8400     625    9600     630   10000     635   10200     650
   10900     780   11200     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    7700     .15    7900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          7700    7900              478     478     478             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4400     670        F

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)           478.00     478.00     478.00
  Crit W.S. (ft)            632.99    Flow Area (sq ft)       782880.10   29847.41   333500.20
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            782880.10   29847.41   333500.20
  Q Total (cfs)           206224.30    Flow (cfs)             136491.50    6594.27   63138.54
  Top Width (ft)          10791.70    Top Width (ft)           7700.00     200.00    2891.70
  Vel Total (ft/s)            0.18    Avg. Vel. (ft/s)           0.17       0.22       0.19
  Max Chl Dpth (ft)         150.89    Hydr. Depth (ft)         101.67     149.24     115.33
  Conv. Total (cfs)       255029300.0    Conv. (cfs)          168793500.0   8154862.0   78080890.0
  Length Wtd. (ft)          478.00    Wetted Per. (ft)         7710.10     206.06    2902.55
  Min Ch El (ft)            609.00    Shear (lb/sq ft)           0.00       0.01       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    311506.30   15722.93   115103.50
  C & E Loss (ft)             0.00    Cum SA (acres)           2740.44      95.40     969.54


Warning: The cross-section end points had to be extended vertically for the computed water surface.
Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water
         surface was used.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 14323

INPUT
Description:
Station Elevation Data    num=      19
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     900     670    2000     650    3800     650    4500     660
    4800     660    5000     663    5200     663    5900     658    6700     658
    7100     638    8000     620    8050     608    8250     608    8300     620
    9300     622    9700     622   10000     624   11200     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8000     .15    8300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8000    8300              402     402     402             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4350     670        F

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)           402.00     402.00     402.00
  Crit W.S. (ft)            627.95    Flow Area (sq ft)       822143.80   44966.02   306127.40
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            822143.80   44966.02   306127.40
  Q Total (cfs)           206224.30    Flow (cfs)             140876.20    9881.93   55466.18
  Top Width (ft)          11045.28    Top Width (ft)           8000.00     300.00    2745.28
  Vel Total (ft/s)            0.18    Avg. Vel. (ft/s)           0.17       0.22       0.18
  Max Chl Dpth (ft)         151.89    Hydr. Depth (ft)         102.77     149.89     111.51
  Conv. Total (cfs)       260655800.0    Conv. (cfs)          178059500.0   12490200.0   70106110.0
  Length Wtd. (ft)          402.00    Wetted Per. (ft)         8042.25     302.84    2754.09
  Min Ch El (ft)            608.00    Shear (lb/sq ft)           0.00       0.01       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    302700.10   15312.45   111594.10
  C & E Loss (ft)             0.00    Cum SA (acres)           2654.29      92.65     938.61
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Warning: The cross-section end points had to be extended vertically for the computed water surface.
Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water
         surface was used.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 13921

INPUT
Description:
Station Elevation Data    num=      15
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     800     670    1800     650    3300     650    4500     670
    5100     668    6100     660    7200     630    8100     620    8150     607
    8350     607    8400     620    9500     622   10000     630   10800     770

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8100     .15    8400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8100    8400             417     417     417             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4350     670       F

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)           417.00     417.00     417.00
  Crit W.S. (ft)            628.29    Flow Area (sq ft)       834679.90   45215.92   267919.60
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            834679.90   45215.92   267919.60
  Q Total (cfs)           206224.30    Flow (cfs)             145871.30   10142.59   50210.38
  Top Width (ft)          10742.21    Top Width (ft)           8100.00     300.00    2342.21
  Vel Total (ft/s)            0.18    Avg. Vel. (ft/s)            0.17       0.22       0.19
  Max Chl Dpth (ft)         152.89    Hydr. Depth (ft)          103.05     150.72     114.39
  Conv. Total (cfs)       256040400.0    Conv. (cfs)            181108400.0   12592670.0   62339320.0
  Length Wtd. (ft)          417.00    Wetted Per. (ft)         8142.31     303.32    2353.55
  Min Ch El (ft)            607.00    Shear (lb/sq ft)            0.00       0.01       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    295055.00   14896.32   108945.30
  C & E Loss (ft)             0.00    Cum SA (acres)           2580.00      89.89     915.13


Warning: The cross-section end points had to be extended vertically for the computed water surface.
Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water
         surface was used.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 13504

INPUT
Description:
Station Elevation Data    num=      18
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     800     670    2000     650    2750     650    3200     662
    4100     662    4400     670    5100     670    6200     660    6900     632
    8300     620    8350     606    8450     606    8500     620    9600     620
   10000     630   10600     770   10800     770

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8300     .15    8500     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8300    8500             450     450     450             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4350     670       F

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)           450.00     450.00     450.00
  Crit W.S. (ft)            628.09    Flow Area (sq ft)       851654.70   30077.22   243980.00
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            851654.70   30077.22   243980.00
  Q Total (cfs)           206224.30    Flow (cfs)             151607.10    6844.48   47772.75
  Top Width (ft)          10556.65    Top Width (ft)           8300.00     200.00    2056.65
  Vel Total (ft/s)            0.18    Avg. Vel. (ft/s)            0.18       0.23       0.20
  Max Chl Dpth (ft)         153.89    Hydr. Depth (ft)          102.61     150.39     118.63
  Conv. Total (cfs)       250667600.0    Conv. (cfs)            184279800.0   8319526.0   58068230.0
  Length Wtd. (ft)          450.00    Wetted Per. (ft)         8342.54     203.85    2071.73
  Min Ch El (ft)            606.00    Shear (lb/sq ft)            0.00       0.01       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    286983.30   14535.93   106495.00
  C & E Loss (ft)             0.00    Cum SA (acres)           2501.51      87.49     894.08


Warning: The cross-section end points had to be extended vertically for the computed water surface.
Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water
         surface was used.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 13054

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720    1100     670    1500     660    2000     650    2700     650
    2900     660    3200     660    3700     670    5200     670    6100     660
    6800     640    7200     628    7500     628    8300     620    8350     604
    8450     604    8500     620    9600     620   10000     630   10600     770
   10800     770
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8300     .15    8500     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8300    8500              341     341     341             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4350     670       F

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)           341.00     341.00     341.00
  Crit W.S. (ft)            628.00    Flow Area (sq ft)       832852.20   30377.16   243979.40
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            832852.20   30377.16   243979.40
  Q Total (cfs)           206224.30    Flow (cfs)             150035.60    7120.59   49068.15
  Top Width (ft)          10556.65    Top Width (ft)           8300.00     200.00    2056.65
  Vel Total (ft/s)            0.19    Avg. Vel. (ft/s)            0.18       0.23       0.20
  Max Chl Dpth (ft)         155.89    Hydr. Depth (ft)          100.34     151.89     118.63
  Conv. Total (cfs)       244049100.0    Conv. (cfs)           177554400.0   8426619.0   58068010.0
  Length Wtd. (ft)          341.00    Wetted Per. (ft)         8342.16     205.00    2071.73
  Min Ch El (ft)            604.00    Shear (lb/sq ft)            0.00       0.01       0.01
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    278282.30   14223.67   103974.60
  C & E Loss (ft)             0.00    Cum SA (acres)           2415.76      85.43     872.83


Warning: The cross-section end points had to be extended vertically for the computed water surface.
Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water
         surface was used.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 12713

INPUT
Description:
Station Elevation Data    num=      19
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     800     670    1700     655    2000     652    2400     655
    3200     670    3600     670    4000     675    4800     675    5800     660
    7100     630    7600     630    8200     620    8250     603    8350     603
    8400     620    9500     620    9800     630   10200     765

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8200     .15    8400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8200    8400              412     412     412             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4200     670       F

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)           412.00     412.00     412.00
  Crit W.S. (ft)            628.38    Flow Area (sq ft)       818361.10   30527.10   219332.70
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            818361.10   30527.10   219332.70
  Q Total (cfs)           206224.30    Flow (cfs)             152163.90    7422.19   46638.21
  Top Width (ft)          10184.85    Top Width (ft)           8200.00     200.00    1784.85
  Vel Total (ft/s)            0.19    Avg. Vel. (ft/s)            0.19       0.24       0.21
  Max Chl Dpth (ft)         156.89    Hydr. Depth (ft)           99.80     152.64     122.89
  Conv. Total (cfs)       235581400.0    Conv. (cfs)           173825200.0   8478782.0   53277410.0
  Length Wtd. (ft)          412.00    Wetted Per. (ft)         8242.31     205.62    1806.34
  Min Ch El (ft)            603.00    Shear (lb/sq ft)            0.00       0.01       0.01
  Alpha                       1.02    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    271819.30   13985.28   102161.10
  C & E Loss (ft)             0.00    Cum SA (acres)           2351.18      83.86     857.80


Warning: The cross-section end points had to be extended vertically for the computed water surface.
Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water
         surface was used.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 12301

INPUT
Description:
Station Elevation Data    num=      24
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680     950     660    2200     660    2800     662
    3200     670    3600     670    4000     680    4800     680    6000     650
    7200     632    7600     632    8300     620    8450     620    8600     601
    8750     601    8800     620    9200     620    9300     610    9500     610
    9650     620    9800     620   10400     760   10600     760

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8450     .15    8800     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8450    8800              736     736     736             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4200     670       F

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.89    Reach Len. (ft)           736.00     736.00     736.00
  Crit W.S. (ft)            619.93    Flow Area (sq ft)       845329.80   53709.82   185066.30
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  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            845329.80   53709.82   185066.30
  Q Total (cfs)           206224.30    Flow (cfs)              155713.50   13086.88   37423.89
  Top Width (ft)          10399.51    Top Width (ft)           8450.00     350.00    1599.51
  Vel Total (ft/s)            0.19    Avg. Vel. (ft/s)            0.18       0.24       0.20
  Max Chl Dpth (ft)         158.89    Hydr. Depth (ft)          100.04     153.46     115.70
  Conv. Total (cfs)       238195500.0    Conv. (cfs)            179854000.0   15115760.0   43225760.0
  Length Wtd. (ft)          736.00    Wetted Per. (ft)         8492.61     354.69    1616.44
  Min Ch El (ft)            601.00    Shear (lb/sq ft)            0.00       0.01       0.01
  Alpha                       1.02    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    263951.50   13586.91   100248.70
  C & E Loss (ft)             0.00    Cum SA (acres)           2272.44      81.26     841.79


Warning: The cross-section end points had to be extended vertically for the computed water surface.
Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water
         surface was used.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 11565

INPUT
Description:
Station Elevation Data    num=      23
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     800     668     850     670    1200     670    2000     660
    2800     660    3200     670    3900     680    5200     680    5900     650
    6800     632    7100     628    7400     628    8300     622    8500     618
    8800     618    9000     617    9050     600    9200     600    9400     620
   10100     620   10800     730   11600     755

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9000     .15    9400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9000    9400              154     154     154             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    3200     670       F

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)           154.00     154.00     154.00
  Crit W.S. (ft)            625.36    Flow Area (sq ft)       918112.40   61528.88   171246.40
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            918112.40   61528.88   171246.40
  Q Total (cfs)           206224.30    Flow (cfs)              165850.60   14569.35   25804.38
  Top Width (ft)          11600.00    Top Width (ft)           9000.00     400.00    2200.00
  Vel Total (ft/s)            0.18    Avg. Vel. (ft/s)            0.18       0.24       0.15
  Max Chl Dpth (ft)         159.88    Hydr. Depth (ft)          102.01     153.82      77.84
  Conv. Total (cfs)       246122800.0    Conv. (cfs)            197937900.0   17388090.0   30796780.0
  Length Wtd. (ft)          154.00    Wetted Per. (ft)         9042.78     403.81    2213.87
  Min Ch El (ft)            600.00    Shear (lb/sq ft)            0.00       0.01       0.00
  Alpha                       1.03    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    249053.70   12613.36   97238.50
  C & E Loss (ft)             0.00    Cum SA (acres)           2125.02      74.92     809.69


Warning: The cross-section end points had to be extended vertically for the computed water surface.
Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water
         surface was used.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 11411

INPUT
Description:
Station Elevation Data    num=      23
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     675    1000     670    1400     670    2000     660
    2800     660    3200     670    3900     680    5200     680    5900     650
    6800     632    7100     628    7400     628    8300     622    8500     618
    8800     618    9000     617    9050     599    9200     599    9400     620
   10100     620   10800     730   11600     755

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9000     .15    9400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9000    9400              409     409     409             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    3400     670       F

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)           409.00     409.00     409.00
  Crit W.S. (ft)            625.22    Flow Area (sq ft)       918761.30   61803.83   171246.10
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            918761.30   61803.83   171246.10
  Q Total (cfs)           206224.30    Flow (cfs)              165809.90   14646.71   25767.65
  Top Width (ft)          11600.00    Top Width (ft)           9000.00     400.00    2200.00
  Vel Total (ft/s)            0.18    Avg. Vel. (ft/s)            0.18       0.24       0.15
  Max Chl Dpth (ft)         160.88    Hydr. Depth (ft)          102.08     154.51      77.84
  Conv. Total (cfs)       246473000.0    Conv. (cfs)            198171000.0   17505300.0   30796700.0
  Length Wtd. (ft)          409.00    Wetted Per. (ft)         9042.79     404.24    2213.87
  Min Ch El (ft)            599.00    Shear (lb/sq ft)            0.00       0.01       0.00
  Alpha                       1.03    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    245806.70   12395.35   96633.09
  C & E Loss (ft)             0.00    Cum SA (acres)           2093.20      73.51     801.91


Warning: The cross-section end points had to be extended vertically for the computed water surface.
Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water
         surface was used.
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CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 11002

INPUT
Description:
Station Elevation Data    num=      18
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     740     100     740    1300     660    2400     655    3600     680
    4500     680    5200     650    6400     630    6800     630    8100     620
    8200     618    8250     601    8400     598    8500     598    8900     620
    9400     620   10200     730   10800     760

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8200     .15    8500     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8200    8500              424     424     424              .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    3550     670        F

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)           424.00     424.00     424.00
  Crit W.S. (ft)            619.64    Flow Area (sq ft)       820900.60   47765.27   207133.80
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            820900.60   47765.27   207133.80
  Q Total (cfs)           206224.30    Flow (cfs)              156934.40   12387.65   36902.27
  Top Width (ft)          10797.68    Top Width (ft)           8200.00     300.00    2297.69
  Vel Total (ft/s)            0.19    Avg. Vel. (ft/s)            0.19       0.26       0.18
  Max Chl Dpth (ft)         161.88    Hydr. Depth (ft)          100.11     159.22      90.15
  Conv. Total (cfs)       229949300.0    Conv. (cfs)            174988900.0   13812780.0   41147690.0
  Length Wtd. (ft)          424.00    Wetted Per. (ft)         8223.69     302.84    2306.56
  Min Ch El (ft)            598.00    Shear (lb/sq ft)            0.01       0.01       0.00
  Alpha                       1.02    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    237639.50   11880.96   94856.72
  C & E Loss (ft)             0.00    Cum SA (acres)           2012.45      70.22     780.80


Warning: The cross-section end points had to be extended vertically for the computed water surface.
Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water
         surface was used.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 10578

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     750     400     720     800     720    1800     660    2000     660
    2400     650    3700     660    4100     680    4500     680    5200     650
    6400     630    7200     630    7600     622    8400     620    8500     597
    8600     597    8650     610    9400     620    9900     620   10400     710
   10800     750

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8400     .15    8650     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8400    8650              266     266     266              .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4200     670        F

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)           266.00     266.00     266.00
  Crit W.S. (ft)            624.69    Flow Area (sq ft)       840824.90   39245.98   238000.40
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            840824.90   39245.98   238000.40
  Q Total (cfs)           206224.30    Flow (cfs)              151240.60    9432.60   45551.09
  Top Width (ft)          10800.00    Top Width (ft)           8400.00     250.00    2150.00
  Vel Total (ft/s)            0.18    Avg. Vel. (ft/s)            0.18       0.24       0.19
  Max Chl Dpth (ft)         162.88    Hydr. Depth (ft)          100.10     156.98     110.70
  Conv. Total (cfs)       244570400.0    Conv. (cfs)            179362800.0   11186530.0   54021020.0
  Length Wtd. (ft)          266.00    Wetted Per. (ft)         8414.36     254.27    2169.98
  Min Ch El (ft)            597.00    Shear (lb/sq ft)            0.00       0.01       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    229552.20   11457.49   92690.32
  C & E Loss (ft)             0.00    Cum SA (acres)           1931.66      67.55     759.15


Warning: The cross-section end points had to be extended vertically for the computed water surface.
Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water
         surface was used.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 10312

INPUT
Description:
Station Elevation Data    num=      24
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     730     400     710     600     710     700     700    1100     700
    2400     660    2600     650    3600     650    4400     680    4800     680
    5600     648    6200     630    7400     630    8000     620    8400     620
    8600     610    8650     596    8700     596    8750     610    9300     615
    9700     620   10200     620   10800     710   11700     750
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8600     .15    8750     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8600    8750              289     289     289             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4400     670       F

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)           289.00     289.00     289.00
  Crit W.S. (ft)            624.14    Flow Area (sq ft)       868900.60   23882.57   291782.20
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            868900.60   23882.57   291782.20
  Q Total (cfs)           206224.30    Flow (cfs)             150823.30    5534.21   49866.81
  Top Width (ft)          11700.00    Top Width (ft)           8600.00     150.00    2950.00
  Vel Total (ft/s)            0.17    Avg. Vel. (ft/s)            0.17       0.23       0.17
  Max Chl Dpth (ft)         163.88    Hydr. Depth (ft)          101.04     159.22      98.91
  Conv. Total (cfs)       254643400.0    Conv. (cfs)           186234900.0   6833577.0   61574970.0
  Length Wtd. (ft)          289.00    Wetted Per. (ft)         8633.55     153.85    2967.54
  Min Ch El (ft)            596.00    Shear (lb/sq ft)            0.00       0.01       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    224331.90   11264.74   91072.76
  C & E Loss (ft)             0.00    Cum SA (acres)           1879.76      66.32     743.58


Warning: The cross-section end points had to be extended vertically for the computed water surface.
Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water
         surface was used.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 10023

INPUT
Description:
Station Elevation Data    num=      24
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     730     800     680    1600     658    2200     649    2800     645
    3100     649    3500     680    3700     680    4000     660    5200     630
    5800     630    6000     628    6000     630    6600     630    7200     620
    7400     610    7450     595    7575     595    7600     610    7800     612
    8500     615    8900     620    9300     620   10400     745

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    7400     .15    7600     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          7400    7600              832     832     832             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    3550     670       F

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)           832.00     832.00     832.00
  Crit W.S. (ft)            622.60    Flow Area (sq ft)       792938.80   32414.22   330274.10
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            792938.80   32414.22   330274.10
  Q Total (cfs)           206224.30    Flow (cfs)             137839.40    7295.10   61089.83
  Top Width (ft)          10400.00    Top Width (ft)           7400.00     200.00    2800.00
  Vel Total (ft/s)            0.18    Avg. Vel. (ft/s)            0.17       0.23       0.18
  Max Chl Dpth (ft)         164.88    Hydr. Depth (ft)          107.15     162.07     117.96
  Conv. Total (cfs)       264257000.0    Conv. (cfs)           176628200.0   9347986.0   78280870.0
  Length Wtd. (ft)          832.00    Wetted Per. (ft)         7436.44     206.36    2822.01
  Min Ch El (ft)            595.00    Shear (lb/sq ft)            0.00       0.01       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    218819.20   11077.99   89009.23
  C & E Loss (ft)             0.00    Cum SA (acres)           1826.68      65.16     724.51


Warning: The cross-section end points had to be extended vertically for the computed water surface.
Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water
         surface was used.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 9191

INPUT
Description:
Station Elevation Data    num=      25
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     730     400     720     800     730    2000     677    3600     640
    4400     640    4600     654    5200     640    5600     640    6300     630
    6400     630    6800     620    7100     620    7950     612    8050     612
    8200     610    8250     594    8300     594    8350     610    9800     618
   10000     620   10300     630   10900     700   11100     690   11900     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8250     .15    8350     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8250    8350              382     382     382             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4660     670       F

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)           382.00     382.00     382.00
  Crit W.S. (ft)            621.06    Flow Area (sq ft)       855586.20   16188.32   385985.30
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  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            855586.20   16188.32   385985.30
  Q Total (cfs)           206224.30    Flow (cfs)              138428.30    3476.79   64319.21
  Top Width (ft)          11900.00    Top Width (ft)           8250.00     100.00    3550.00
  Vel Total (ft/s)            0.16    Avg. Vel. (ft/s)            0.16       0.21       0.17
  Max Chl Dpth (ft)         165.88    Hydr. Depth (ft)          103.71     161.88     108.73
  Conv. Total (cfs)       277923700.0    Conv. (cfs)            186556600.0   4685590.0   86681520.0
  Length Wtd. (ft)          382.00    Wetted Per. (ft)         8285.13     102.50    3575.96
  Min Ch El (ft)            594.00    Shear (lb/sq ft)            0.00       0.01       0.00
  Alpha                       1.00    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    203075.70   10613.83   82168.92
  C & E Loss (ft)             0.00    Cum SA (acres)           1677.22      62.30     663.86


Warning: The cross-section end points had to be extended vertically for the computed water surface.
Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water
         surface was used.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 8809

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     728     800     700     950     700    1000     690    1600     690
    1625     680    2000     680    3200     650    3500     650    4000     640
    4400     640    4700     630    5000     628    5200     632    5600     630
    6000     628    6500     628    6600     623    7200     618    8400     616
    8800     610    9000     610    9100     593    9150     593    9200     610
   10900     620   11200     630   11300     630   11600     700   11900     700
   12100     680   12800     735   13000     730

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9000     .15    9200     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9000    9200              527     527     527             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    5800     670        F

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)           527.00     527.00     527.00
  Crit W.S. (ft)            620.52    Flow Area (sq ft)       1004723.00   32101.61   402305.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1004723.00   32101.61   402305.60
  Q Total (cfs)           206224.30    Flow (cfs)              144719.10    5823.91   55681.30
  Top Width (ft)          13000.00    Top Width (ft)           9000.00     200.00    3800.00
  Vel Total (ft/s)            0.14    Avg. Vel. (ft/s)            0.14       0.18       0.14
  Max Chl Dpth (ft)         166.88    Hydr. Depth (ft)          111.64     160.51     105.87
  Conv. Total (cfs)       327948000.0    Conv. (cfs)            230139400.0   9261472.0   88547120.0
  Length Wtd. (ft)          527.00    Wetted Per. (ft)         9036.18     204.25    3841.36
  Min Ch El (ft)            593.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    194918.70   10402.09   78712.46
  C & E Loss (ft)             0.00    Cum SA (acres)           1601.59      60.98     631.64


Warning: The cross-section end points had to be extended vertically for the computed water surface.
Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water
         surface was used.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 8282

INPUT
Description:
Station Elevation Data    num=      31
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     725     800     705    1000     708    1400     690    1500     690
    1900     700    2800     660    3100     660    3200     656    4000     640
    4500     640    4800     630    6400     630    6700     619    7200     611
    7600     611    8500     609    9100     609    9150     592    9200     592
    9250     609    9600     609   10800     620   11400     640   11600     665
   11700     648   11700     650   12100     650   12200     660   12400     660
   13200     720

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9100     .15    9250     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9100    9250              604     604     604             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    6000     670        F

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)           604.00     604.00     604.00
  Crit W.S. (ft)            616.04    Flow Area (sq ft)       1008684.00   24332.43   467337.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1008684.00   24332.43   467337.30
  Q Total (cfs)           206224.30    Flow (cfs)              136414.20    4150.24   65659.86
  Top Width (ft)          13200.00    Top Width (ft)           9100.00     150.00    3950.00
  Vel Total (ft/s)            0.14    Avg. Vel. (ft/s)            0.14       0.17       0.14
  Max Chl Dpth (ft)         167.88    Hydr. Depth (ft)          110.84     162.22     118.31
  Conv. Total (cfs)       347615600.0    Conv. (cfs)            229942400.0   6995721.0   110677500.0
  Length Wtd. (ft)          604.00    Wetted Per. (ft)         9137.25     155.62    3998.00
  Min Ch El (ft)            592.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.00    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    182739.30   10060.72   73451.88
  C & E Loss (ft)             0.00    Cum SA (acres)           1492.10      58.87     584.76
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Warning: The cross-section end points had to be extended vertically for the computed water surface.
Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water
         surface was used.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 7678

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     400     704     800     718    2000     665    2400     665
    3200     640    3500     640    4000     630    5000     630    5100     624
    5500     630    5900     620    6700     614    7600     614    8000     605
    8350     600    8400     591    8600     591    8700     600    8800     609
    9600     609   10300     620   10500     620   10800     636   11000     631
   12000     696   12400     670   12600     670   13000     706

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8350     .15    8700     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8350    8700              308     308     308             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    5200     670       F

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)           308.00     308.00     308.00
  Crit W.S. (ft)            613.09    Flow Area (sq ft)       954145.40   58433.94   504695.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            954145.40   58433.94   504695.50
  Q Total (cfs)           206224.30    Flow (cfs)             127746.00   10084.49   68393.84
  Top Width (ft)          13000.00    Top Width (ft)           8350.00     350.00    4300.00
  Vel Total (ft/s)            0.14    Avg. Vel. (ft/s)            0.13       0.17       0.14
  Max Chl Dpth (ft)         168.88    Hydr. Depth (ft)          114.27     166.95     117.37
  Conv. Total (cfs)       358087500.0    Conv. (cfs)          221817900.0   17510690.0   118758900.0
  Length Wtd. (ft)          308.00    Wetted Per. (ft)         8392.62     351.21    4359.43
  Min Ch El (ft)            591.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    169131.10    9486.90   66712.81
  C & E Loss (ft)             0.00    Cum SA (acres)           1371.12      55.40     527.56


Warning: The cross-section end points had to be extended vertically for the computed water surface.
Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water
         surface was used.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 7370

INPUT
Description:
Station Elevation Data    num=      26
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     715     800     671    1000     670    1200     670    1600     650
    2000     640    2400     640    2800     630    3800     630    4200     620
    4800     620    5000     610    6400     610    7100     600    7550     600
    7600     590    7700     590    7800     600    8200     600    8300     610
    8800     610    9700     620   10700     670   11000     680   11600     730
   12000     730

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    7550     .15    7800     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          7550    7800              671     671     671             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4000     670       F

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)           671.00     671.00     671.00
  Crit W.S. (ft)            608.92    Flow Area (sq ft)       960113.40   41720.64   470006.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            960113.40   41720.64   470006.80
  Q Total (cfs)           206224.30    Flow (cfs)             137382.50    7157.13   61684.67
  Top Width (ft)          12000.00    Top Width (ft)           7550.00     250.00    4200.00
  Vel Total (ft/s)            0.14    Avg. Vel. (ft/s)            0.14       0.17       0.13
  Max Chl Dpth (ft)         169.88    Hydr. Depth (ft)          127.17     166.88     111.91
  Conv. Total (cfs)       359537400.0    Conv. (cfs)          239516600.0   12477940.0   107542800.0
  Length Wtd. (ft)          671.00    Wetted Per. (ft)         7597.29     251.49    4233.93
  Min Ch El (ft)            590.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    162363.50    9132.82   63266.89
  C & E Loss (ft)             0.00    Cum SA (acres)           1314.90      53.28     497.51


Warning: The cross-section end points had to be extended vertically for the computed water surface.
Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water
         surface was used.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 6699

INPUT
Description:
Station Elevation Data    num=      26
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     716     800     676    1600     650    1800     650    2200     640
    2600     640    3000     629    3600     629    3800     632    4400     620
    4800     620    5200     614    5400     614    5600     610    6900     610
    7400     605    7700     600    8000     600    8100     589    8300     589
    8400     600    8800     610    9600     610   10800     638   11400     638
   12200     720

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8000     .15    8400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8000    8400              838     838     838             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4000     670        F

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)           838.00     838.00     838.00
  Crit W.S. (ft)            609.65    Flow Area (sq ft)       1017459.00   67252.95   482753.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1017459.00   67252.95   482753.10
  Q Total (cfs)           206224.30    Flow (cfs)              132875.90   10598.41   62749.96
  Top Width (ft)          12200.00    Top Width (ft)           8000.00     400.00    3800.00
  Vel Total (ft/s)            0.13    Avg. Vel. (ft/s)            0.13       0.16       0.13
  Max Chl Dpth (ft)         170.88    Hydr. Depth (ft)          127.18     168.13     127.04
  Conv. Total (cfs)       394103400.0    Conv. (cfs)            253931600.0   20254010.0   119917800.0
  Length Wtd. (ft)          838.00    Wetted Per. (ft)         8045.87     401.21    3844.53
  Min Ch El (ft)            589.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    147132.20    8293.50   55928.72
  C & E Loss (ft)             0.00    Cum SA (acres)           1195.14      48.27     435.89


Warning: The cross-section end points had to be extended vertically for the computed water surface.
Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water
         surface was used.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 5861

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     718     800     680    1600     652    2000     640    2200     640
    2400     645    2700     645    3000     638    3300     638    3400     640
    4000     640    4100     630    4400     630    4800     620    6400     610
    7400     610    8000     600    8350     600    8400     588    8600     588
    8700     600    9100     600    9600     610   10700     610   10900     620
   11100     620   11200     628   11300     620   11700     620   11800     630
   12400     630   13200     733

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8350     .15    8700     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8350    8700              667     667     667             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)           667.00     667.00     667.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1043366.00   59258.77   600469.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1043366.00   59258.77   600469.90
  Q Total (cfs)           206224.30    Flow (cfs)              123502.00    8584.54   74137.80
  Top Width (ft)          13200.00    Top Width (ft)           8350.00     350.00    4500.00
  Vel Total (ft/s)            0.12    Avg. Vel. (ft/s)            0.12       0.14       0.12
  Max Chl Dpth (ft)         171.88    Hydr. Depth (ft)          124.95     169.31     133.44
  Conv. Total (cfs)       429839500.0    Conv. (cfs)            257418800.0   17893020.0   154527600.0
  Length Wtd. (ft)          667.00    Wetted Per. (ft)         8394.36     352.14    4534.97
  Min Ch El (ft)            588.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    127309.30    7076.60   45509.29
  C & E Loss (ft)             0.00    Cum SA (acres)           1037.87      41.06     356.06


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 5194

INPUT
Description:
Station Elevation Data    num=      31
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     718     800     678     900     670    1200     670    1500     660
    1600     660    2000     642    2200     642    2400     649    2800     642
    3200     642    3800     640    4000     640    4200     642    5100     618
    5300     618    6000     612    6400     610    8200     610    8250     587
    8400     587    8650     598    8800     600    9700     600   10000     610
   10400     610   10600     615   10800     615   11000     620   11600     710
   12000     750

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8200     .15    8650     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8200    8650              474     474     474             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
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  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)           474.00     474.00     474.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1001532.00   75846.88   430254.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1001532.00   75846.88   430254.60
  Q Total (cfs)           206224.30    Flow (cfs)              134117.00   12536.92   59570.34
  Top Width (ft)          12000.00    Top Width (ft)           8200.00     450.00    3350.00
  Vel Total (ft/s)            0.14    Avg. Vel. (ft/s)            0.13       0.17       0.14
  Max Chl Dpth (ft)         172.88    Hydr. Depth (ft)          122.14     168.55     128.43
  Conv. Total (cfs)       374195000.0    Conv. (cfs)            243356000.0   22748300.0   108090700.0
  Length Wtd. (ft)          474.00    Wetted Per. (ft)         8244.32     455.28    3368.90
  Min Ch El (ft)            587.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    111653.40    6042.21   37617.95
  C & E Loss (ft)             0.00    Cum SA (acres)            911.16      34.93     295.95


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 4720

INPUT
Description:
Station Elevation Data    num=      31
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     718    1000     670    1400     660    1800     660    2000     650
    2300     650    2500     655    2700     655    2800     650    3200     650
    3600     645    3900     640    4000     640    4200     650    4400     650
    4450     640    5200     615    5400     615    6500     612    6700     612
    6800     610    8700     610    8800     585    8900     585    9100     600
    9600     600   10800     610   11600     620   12000     710   13000     760
   13200     760

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8700     .15    9100     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8700    9100             46.5    46.5    46.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            46.50      46.50      46.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1056247.00   67202.73   444539.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1056247.00   67202.73   444539.30
  Q Total (cfs)           206224.30    Flow (cfs)              139047.80   10957.78   56218.68
  Top Width (ft)          12997.64    Top Width (ft)           8700.00     400.00    3897.64
  Vel Total (ft/s)            0.13    Avg. Vel. (ft/s)            0.13       0.16       0.13
  Max Chl Dpth (ft)         174.88    Hydr. Depth (ft)          121.41     168.01     114.05
  Conv. Total (cfs)       379172800.0    Conv. (cfs)            255659300.0   20147440.0   103366100.0
  Length Wtd. (ft)           46.50    Wetted Per. (ft)         8745.35     403.64    3908.99
  Min Ch El (ft)            585.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    100457.50    5263.91   32858.40
  C & E Loss (ft)             0.00    Cum SA (acres)            819.21      30.31     256.52


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 4673.5*

INPUT
Description:
Station Elevation Data    num=      50
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   718.2  760.87  681.52 1005.75  669.97 1236.41  663.84 1331.52  661.91
 1408.05  660.23 1616.85   660.3 1810.34  659.42 1902.17  654.89 2011.49     650
 2092.39     650  2187.5     651 2313.22     651 2472.83  654.57 2514.37  655.44
 2715.52  655.14 2816.09  650.48 3218.39  649.88 3620.69  644.78 3804.35  641.76
 3922.41     640 4022.99     640 4224.14     649    4375     649 4425.29  648.95
 4475.57  639.89 4565.22  637.13 4755.43  629.65 5229.89  615.08 5326.09     615
 5431.03  614.93 6086.96   612.9 6537.36   611.8 6657.61   611.8 6738.51  611.71
 6839.08  609.81 6847.83   609.8    8750   609.8    8860   584.9    8960   584.9
    9170     600 9651.71  600.21 10807.8  609.7211448.85  617.4911578.54  619.28
11904.62  688.54 11963.9  701.5912816.15  749.8112927.32  756.28   13120   758.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8750     .15    9170     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8750    9170             46.5    46.5    46.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            46.50      46.50      46.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1063436.00   70537.37   436954.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1063436.00   70537.37   436954.80
  Q Total (cfs)           206224.30    Flow (cfs)              140422.50   11534.17   54267.62
  Top Width (ft)          13120.00    Top Width (ft)           8750.00     420.00    3950.00
  Vel Total (ft/s)            0.13    Avg. Vel. (ft/s)            0.13       0.16       0.12
  Max Chl Dpth (ft)         174.98    Hydr. Depth (ft)          121.54     167.95     110.62
  Conv. Total (cfs)       378303100.0    Conv. (cfs)            257594600.0   21158580.0   99549900.0
  Length Wtd. (ft)           46.50    Wetted Per. (ft)         8794.86     423.33    3961.74
  Min Ch El (ft)            584.90    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    99326.08    5190.40   32387.90
  C & E Loss (ft)             0.00    Cum SA (acres)            809.90      29.87     252.33


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 4627.*

INPUT
Description:
Station Elevation Data     num=      50
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   718.4  765.22  681.35 1011.49  669.94 1243.48  663.41 1339.13  661.92
 1416.09  660.45 1626.09   660.6 1820.69  658.84 1913.04  654.35 2022.99     650
 2104.35     650    2200     652 2326.44     652 2486.96  655.17 2528.74  655.88
 2731.03  655.27 2832.18  650.97 3236.78  649.76 3641.38  644.55 3826.09  641.57
 3944.83     640 4045.98     640 4248.28     648    4400     648 4450.57  647.89
 4501.15  639.79  4591.3  637.22 4782.61  628.58 5259.77  615.17 5356.52     615
 5462.07  614.86 6121.74  612.58 6574.71   611.6 6695.65   611.6 6777.01  611.43
 6878.16  609.62 6886.96   609.6    8800   609.6    8920   584.8    9020   584.8
    9240     600 9703.42  600.4210815.61  609.4411432.31  616.6511557.07  618.57
11870.77  680.92 11927.8  693.1712747.69  745.3812854.63  752.56   13040     757

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8800     .15    9240     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8800    9240             46.5    46.5    46.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            46.50      46.50      46.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1070637.00   73876.02   428744.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1070637.00   73876.02   428744.70
  Q Total (cfs)           206224.30    Flow (cfs)              140604.00   12010.77   53609.51
  Top Width (ft)          13040.00    Top Width (ft)           8800.00     440.00    3800.00
  Vel Total (ft/s)            0.13    Avg. Vel. (ft/s)            0.13       0.16       0.13
  Max Chl Dpth (ft)         175.08    Hydr. Depth (ft)          121.66     167.90     112.83
  Conv. Total (cfs)       380659500.0    Conv. (cfs)            259534200.0   22170110.0   98955210.0
  Length Wtd. (ft)           46.50    Wetted Per. (ft)         8844.43     443.06    3812.37
  Min Ch El (ft)            584.80    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    98187.02    5113.31   31925.84
  C & E Loss (ft)             0.00    Cum SA (acres)            800.53      29.41     248.20


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 4580.5*

INPUT
Description:
Station Elevation Data     num=      50
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   718.6  769.57  681.18 1017.24  669.91 1250.54  662.99 1346.74  661.93
 1424.14  660.68 1635.33   660.9 1831.03  658.26 1923.91   653.8 2034.48     650
  2116.3     650  2212.5     653 2339.66     653 2501.09  655.78  2543.1  656.31
 2746.55  655.41 2848.28  651.45 3255.17  649.64 3662.07  644.33 3847.83  641.37
 3967.24     640 4068.97     640 4272.41     647    4425     647 4475.86  646.84
 4526.72  639.68 4617.39  637.32 4809.78  627.51 5289.66  615.25 5386.96     615
  5493.1  614.79 6156.52  612.25 6612.07   611.4  6733.7   611.4 6815.52  611.14
 6917.24  609.43 6926.09   609.4    8850   609.4    8980   584.7    9080   584.7
    9310     600 9755.12  600.6310823.42  609.1611415.77  615.8211535.61  617.85
11836.92  673.3111891.71  684.7612679.23  740.9612781.95  748.84   12960   755.5

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8850     .15    9310     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8850    9310             46.5    46.5    46.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            46.50      46.50      46.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1077856.00   77218.64   419861.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1077856.00   77218.64   419861.70
  Q Total (cfs)           206224.30    Flow (cfs)              140865.30   12488.86   52870.13
  Top Width (ft)          12960.00    Top Width (ft)           8850.00     460.00    3650.00
  Vel Total (ft/s)            0.13    Avg. Vel. (ft/s)            0.13       0.16       0.13
  Max Chl Dpth (ft)         175.18    Hydr. Depth (ft)          121.79     167.87     115.03
  Conv. Total (cfs)       382802200.0    Conv. (cfs)            261480100.0   23182340.0   98139750.0
  Length Wtd. (ft)           46.50    Wetted Per. (ft)         8894.06     462.83    3663.15
  Min Ch El (ft)            584.70    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    97040.27    5032.67   31472.90
  C & E Loss (ft)             0.00    Cum SA (acres)            791.11      28.93     244.22


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 4534.*

INPUT
Description:
Station Elevation Data     num=      50
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   718.8  773.91  681.01 1022.99  669.88 1257.61  662.56 1354.35  661.94
 1432.18  660.91 1644.57   661.2 1841.38  657.67 1934.78  653.26 2045.98     650
 2128.26     650    2225     654 2352.87     654 2515.22  656.38 2557.47  656.75
 2762.07  655.54 2864.37  651.94 3273.56  649.52 3682.76   644.1 3869.57  641.17
 3989.66     640 4091.95     640 4296.55     646    4450     646 4501.15  645.79
  4552.3  639.58 4643.48  637.42 4836.96  626.43 5319.54  615.34 5417.39     615
```

```
 5524.14  614.72  6191.3  611.93 6649.43   611.2 6771.74   611.2 6854.02  610.86
 6956.32  609.24 6965.22   609.2    8900   609.2    9040   584.6    9140   584.6
    9380     600 9806.83  600.8510831.22  608.8711399.23  614.9911514.15  617.14
11803.08  665.6911855.61  676.3412610.77  736.5412709.27  745.12   12880     754

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8900     .15    9380     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8900    9380             46.5    46.5    46.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            46.50      46.50      46.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1085086.00   80565.29   410322.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1085086.00   80565.29   410322.10
  Q Total (cfs)           206224.30    Flow (cfs)              141204.70   12969.42   52050.14
  Top Width (ft)          12880.00    Top Width (ft)           8900.00     480.00    3500.00
  Vel Total (ft/s)            0.13    Avg. Vel. (ft/s)            0.13       0.16       0.13
  Max Chl Dpth (ft)         175.28    Hydr. Depth (ft)          121.92     167.84     117.23
  Conv. Total (cfs)       384729200.0    Conv. (cfs)            263429600.0   24195570.0   97104020.0
  Length Wtd. (ft)           46.50    Wetted Per. (ft)         8943.75     482.64    3514.09
  Min Ch El (ft)            584.60    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    95885.81    4948.45   31029.79
  C & E Loss (ft)             0.00    Cum SA (acres)            781.63      28.43     240.40


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 4487.5*

INPUT
Description:
Station Elevation Data    num=      50
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     719  778.26  680.84 1028.74  669.85 1264.67  662.13 1361.96  661.95
 1440.23  661.13  1653.8   661.5 1851.72  657.09 1945.65  652.72 2057.47     650
 2140.22     650  2237.5     655 2366.09     655 2529.35  656.98 2571.84  657.19
 2777.59  655.68 2880.46  652.42 3291.95   649.4 3703.45  643.88  3891.3  640.98
 4012.07     640 4114.94     640 4320.69     645    4475     645 4526.44  644.74
 4577.87  639.47 4669.57  637.51 4864.13  625.36 5349.43  615.42 5447.83     615
 5555.17  614.66 6226.09  611.61 6686.78     611 6809.78     611 6892.53  610.57
  6995.4  609.05 7004.35     609    8950     609    9100   584.5    9200   584.5
    9450     600 9858.54  601.0610839.02  608.5911382.69  614.1611492.68  616.42
11769.23  658.0811819.51  667.9312542.31  732.1212636.59   741.4   12800   752.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8950     .15    9450     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8950    9450             46.5    46.5    46.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            46.50      46.50      46.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1092324.00   83915.92   400116.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1092324.00   83915.92   400116.50
  Q Total (cfs)           206224.30    Flow (cfs)              141624.90   13453.70   51145.66
  Top Width (ft)          12800.00    Top Width (ft)           8950.00     500.00    3350.00
  Vel Total (ft/s)            0.13    Avg. Vel. (ft/s)            0.13       0.16       0.13
  Max Chl Dpth (ft)         175.38    Hydr. Depth (ft)          122.05     167.83     119.44
  Conv. Total (cfs)       386429600.0    Conv. (cfs)            265381300.0   25209970.0   95838360.0
  Length Wtd. (ft)           46.50    Wetted Per. (ft)         8993.50     502.47    3365.22
  Min Ch El (ft)            584.50    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    94723.63    4860.66   30597.22
  C & E Loss (ft)             0.00    Cum SA (acres)            772.11      27.91     236.75


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 4441.*

INPUT
Description:
Station Elevation Data    num=      50
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   719.2  782.61  680.67 1034.48  669.82 1271.74  661.71 1369.57  661.96
 1448.28  661.36 1663.04   661.8 1862.07  656.51 1956.52  652.17 2068.97     650
 2152.17     650    2250     656 2379.31     656 2543.48  657.59 2586.21  657.63
  2793.1  655.81 2896.55  652.91 3310.34  649.28 3724.14  643.66 3913.04  640.78
 4034.48     640 4137.93     640 4344.83     644    4500     644 4551.72  643.68
 4603.45  639.37 4695.65  637.61  4891.3  624.29 5379.31  615.51 5478.26     615
 5586.21  614.59 6260.87  611.29 6724.14   610.8 6847.83   610.8 6931.03  610.29
 7034.48  608.86 7043.48   608.8    9000   608.8    9160   584.4    9260   584.4
    9520     600 9910.24  601.2710846.83  608.3111366.15  613.3311471.22  615.71
11735.38  650.4611783.42  659.5112473.85  727.69 12563.9  737.68   12720     751

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9000     .15    9520     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9000    9520             46.5    46.5    46.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
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  W.S. Elev (ft)            759.88    Reach Len. (ft)            46.50      46.50      46.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1099570.00   87270.55   389257.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1099570.00   87270.55   389257.80
  Q Total (cfs)           206224.30    Flow (cfs)              142125.90   13942.58   50155.79
  Top Width (ft)          12720.00    Top Width (ft)           9000.00     520.00    3200.00
  Vel Total (ft/s)            0.13    Avg. Vel. (ft/s)            0.13       0.16       0.13
  Max Chl Dpth (ft)         175.48    Hydr. Depth (ft)          122.17     167.83     121.64
  Conv. Total (cfs)       387903600.0    Conv. (cfs)            267335900.0   26225700.0   94341990.0
  Length Wtd. (ft)           46.50    Wetted Per. (ft)         9043.31     522.32    3216.56
  Min Ch El (ft)            584.40    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    93553.71    4769.29   30175.90
  C & E Loss (ft)             0.00    Cum SA (acres)            762.53      27.36     233.25


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 4394.5*

INPUT
Description:
Station Elevation Data    num=      50
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   719.4  786.96  680.51 1040.23  669.79  1278.8  661.28 1377.17  661.97
 1456.32  661.59 1672.28   662.1 1872.41  655.93 1967.39  651.63 2080.46     650
 2164.13     650  2262.5     657 2392.53     657 2557.61  658.19 2600.57  658.06
 2808.62  655.95 2912.64  653.39 3328.74  649.16 3744.83  643.43 3934.78  640.59
  4056.9     640 4160.92     640 4368.97     643    4525     643 4577.01  642.63
 4629.02  639.26 4721.74  637.71 4918.48  623.22  5409.2  615.59  5508.7     615
 5617.24  614.52 6295.65  610.97 6761.49   610.6 6885.87   610.6 6969.54     610
 7073.56  608.66 7082.61   608.6    9050   608.6    9220   584.3    9320   584.3
    9590     600 9961.95  601.4810854.63  608.0311349.62  612.511449.76  614.99
11701.54  642.8511747.32   651.112405.38  723.2712491.22  733.96   12640   749.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9050     .15    9590     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9050    9590             46.5    46.5    46.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            46.50      46.50      46.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1106834.00   90629.20   377730.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1106834.00   90629.20   377730.30
  Q Total (cfs)           206224.30    Flow (cfs)              142712.80   14437.25   49074.29
  Top Width (ft)          12640.00    Top Width (ft)           9050.00     540.00    3050.00
  Vel Total (ft/s)            0.13    Avg. Vel. (ft/s)            0.13       0.16       0.13
  Max Chl Dpth (ft)         175.58    Hydr. Depth (ft)          122.30     167.83     123.85
  Conv. Total (cfs)       389142000.0    Conv. (cfs)            269296700.0   27242880.0   92602430.0
  Length Wtd. (ft)           46.50    Wetted Per. (ft)         9093.17     542.18    3068.15
  Min Ch El (ft)            584.30    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    92376.05    4674.34   29766.52
  C & E Loss (ft)             0.00    Cum SA (acres)            752.89      26.80     229.92


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 4348.*

INPUT
Description:
Station Elevation Data    num=      50
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   719.6   791.3  680.34 1045.98  669.76 1285.87  660.85 1384.78  661.98
 1464.37  661.81 1681.52   662.4 1882.76  655.35 1978.26  651.09 2091.95     650
 2176.09     650    2275     658 2405.75     658 2571.74  658.79 2614.94   658.5
 2824.14  656.08 2928.74  653.88 3347.13  649.04 3765.52  643.21 3956.52  640.39
 4079.31     640 4183.91     640  4393.1     642    4550     642  4602.3  641.58
  4654.6  639.15 4747.83  637.81 4945.65  622.14 5439.08  615.67 5539.13     615
 5648.28  614.45 6330.43  610.64 6798.85   610.4 6923.91   610.4 7008.05  609.72
 7112.64  608.47 7121.74   608.4    9100   608.4    9280   584.2    9380   584.2
    9660     600 10013.66  601.6910862.44  607.7511333.08  611.6611428.29  614.28
11667.69  635.2311711.22  642.6812336.92  718.8512418.54  730.24   12560     748

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9100     .15    9660     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9100    9660             46.5    46.5    46.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            46.50      46.50      46.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1114121.00   93991.82   365547.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1114121.00   93991.82   365547.80
  Q Total (cfs)           206224.30    Flow (cfs)              143386.20   14938.54   47899.53
  Top Width (ft)          12560.00    Top Width (ft)           9100.00     560.00    2900.00
  Vel Total (ft/s)            0.13    Avg. Vel. (ft/s)            0.13       0.16       0.13
  Max Chl Dpth (ft)         175.68    Hydr. Depth (ft)          122.43     167.84     126.05
  Conv. Total (cfs)       390146800.0    Conv. (cfs)            271266200.0   28261570.0   90619050.0
  Length Wtd. (ft)           46.50    Wetted Per. (ft)         9143.09     562.06    2920.03
  Min Ch El (ft)            584.20    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    91190.62    4575.80   29369.80
  C & E Loss (ft)             0.00    Cum SA (acres)            743.21      26.21     226.74


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 4301.5*

INPUT
Description:
Station Elevation Data    num=      50
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   719.8  795.65  680.17 1051.72  669.73 1292.93  660.43 1392.39  661.99
 1472.41  662.04 1690.76   662.7  1893.1  654.77 1989.13  650.54 2103.45     650
 2188.04     650  2287.5     659 2418.97     659 2585.87   659.4 2629.31  658.94
 2839.66  656.22 2944.83  654.36 3365.52  648.92 3786.21  642.98 3978.26   640.2
 4101.72     640  4206.9     640 4417.24     641    4575     641 4627.59  640.52
 4680.17  639.05 4773.91   637.9 4972.83  621.07 5468.97  615.76 5569.57     615
 5679.31  614.38 6365.22  610.32 6836.21   610.2 6961.96   610.2 7046.55  609.43
 7151.72  608.28 7160.87   608.2    9150   608.2    9340   584.1    9440   584.1
    9730     60010065.37   601.910870.24  607.4711316.54  610.8311406.83  613.56
11633.85  627.6211675.12  634.2712268.46  714.4212345.85  726.52   12480   746.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9150     .15    9730     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9150    9730             46.5    46.5    46.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            46.50      46.50      46.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1121410.00   97358.48   352701.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1121410.00   97358.48   352701.60
  Q Total (cfs)           206224.30    Flow (cfs)             144149.30   15448.05   46626.98
  Top Width (ft)          12480.00    Top Width (ft)          9150.00     580.00    2750.00
  Vel Total (ft/s)            0.13    Avg. Vel. (ft/s)           0.13       0.16       0.13
  Max Chl Dpth (ft)         175.78    Hydr. Depth (ft)         122.56     167.86     128.26
  Conv. Total (cfs)       390899700.0    Conv. (cfs)            273236000.0   29281890.0   88381780.0
  Length Wtd. (ft)           46.50    Wetted Per. (ft)         9193.06     581.96    2772.24
  Min Ch El (ft)            584.10    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    89997.41    4473.66   28986.43
  C & E Loss (ft)             0.00    Cum SA (acres)            733.46      25.60     223.72


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 4255

INPUT
Description:
Station Elevation Data    num=      25
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     800     680    1300     660    1400     662    1700     663
    2000     650    2200     650    2300     660    2600     660    4000     640
    4600     640    4800     638    5000     620    5600     615    6400     610
    7000     610    7200     608    9200     608    9400     584    9500     584
    9800     600   11300     610   11600     620   12200     710   12400     745

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9200     .15    9800     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9200    9800             45.5    45.5    45.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            45.50      45.50      45.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1128713.00   100729.10   339192.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1128713.00   100729.10   339192.80
  Q Total (cfs)           206224.30    Flow (cfs)             145005.80   15966.82   45251.64
  Top Width (ft)          12400.00    Top Width (ft)          9200.00     600.00    2600.00
  Vel Total (ft/s)            0.13    Avg. Vel. (ft/s)           0.13       0.16       0.13
  Max Chl Dpth (ft)         175.88    Hydr. Depth (ft)         122.69     167.88     130.46
  Conv. Total (cfs)       391398600.0    Conv. (cfs)            275210400.0   30303860.0   85884290.0
  Length Wtd. (ft)           45.50    Wetted Per. (ft)         9243.09     601.86    2624.83
  Min Ch El (ft)            584.00    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    88796.42    4367.93   28617.14
  C & E Loss (ft)             0.00    Cum SA (acres)            723.67      24.97     220.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 4209.5*

INPUT
Description:
Station Elevation Data    num=      44
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  804.35  680.65 1156.25   666.5 1307.07  661.01 1407.61  662.59
 1541.67  662.76 1709.24  663.58 1734.38  662.68 2010.87   651.1 2211.96  650.27
 2216.15  650.61  2312.5  659.33 2614.13  660.34 2697.92  659.58 3083.33  652.92
 3276.04  650.52 3854.17  642.08 4021.74     640 4143.23     640 4335.94  639.38
    4625  639.38 4817.71  635.82 4826.09  635.74 5027.17  619.77 5395.83   616.7
 5630.43  614.89 6166.67  611.71 6434.78  610.25  6937.5  610.25 7038.04  610.18
 7239.13   608.3 7322.92  608.25 8864.58  608.25    9250     607 9431.25  583.88
    9550  583.88 9818.75     60011135.71  608.9911307.93     61011557.14  617.32
11605.77  620.1911978.57  680.5412201.44     710   12400  740.62
```

```
Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9250     .15 9818.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9250 9818.75             45.5    45.5    45.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)           45.50      45.50      45.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1134213.00   95839.67   335933.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1134213.00   95839.67   335933.30
  Q Total (cfs)           206224.30    Flow (cfs)              146113.80   15273.31   44837.23
  Top Width (ft)          12400.00    Top Width (ft)           9250.00     568.75    2581.25
  Vel Total (ft/s)            0.13    Avg. Vel. (ft/s)            0.13       0.16       0.13
  Max Chl Dpth (ft)         176.00    Hydr. Depth (ft)          122.62     168.51     130.14
  Conv. Total (cfs)       390193500.0    Conv. (cfs)            276459400.0   28898370.0   84835780.0
  Length Wtd. (ft)           45.50    Wetted Per. (ft)         9292.77     570.70    2609.88
  Min Ch El (ft)            583.88    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    87614.57    4265.27   28264.54
  C & E Loss (ft)             0.00    Cum SA (acres)            714.03      24.36     218.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 4164.*

INPUT
Description:
Station Elevation Data    num=      44
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   808.7   681.3  1162.5     667 1314.13  662.01 1415.22  663.18
    1550  663.08 1718.48  664.15 1743.75  663.44 2021.74   652.2 2223.91  650.53
 2228.12  650.81    2325  658.65 2628.26  660.68  2712.5  660.36    3100   652.5
 3293.75  650.45    3875  641.79 4043.48     640 4165.62     640 4359.38  638.75
    4650  638.75 4843.75  633.56 4852.17  633.48 5054.35  619.55    5425  616.46
 5660.87  614.77    6200  611.75 6469.57   610.5    6975   610.5 7076.09  610.37
 7278.26  608.61  7362.5   608.5  8912.5   608.5    9300     606  9462.5  583.75
    9600  583.75  9837.5     600 11144.9  609.1311315.87     61011563.27  616.28
11611.54  620.3811981.63  684.7412202.88     710   12400  736.25

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9300     .15  9837.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9300  9837.5             45.5    45.5    45.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)           45.50      45.50      45.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1139707.00   90933.36   332692.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1139707.00   90933.36   332692.50
  Q Total (cfs)           206224.30    Flow (cfs)              147229.70   14571.00   44423.55
  Top Width (ft)          12400.00    Top Width (ft)           9300.00     537.50    2562.50
  Vel Total (ft/s)            0.13    Avg. Vel. (ft/s)            0.13       0.16       0.13
  Max Chl Dpth (ft)         176.13    Hydr. Depth (ft)          122.55     169.18     129.83
  Conv. Total (cfs)       388979800.0    Conv. (cfs)            277704400.0   27483790.0   83791590.0
  Length Wtd. (ft)           45.50    Wetted Per. (ft)         9342.53     539.57    2595.15
  Min Ch El (ft)            583.75    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    86426.98    4167.73   27915.34
  C & E Loss (ft)             0.00    Cum SA (acres)            704.35      23.78     215.48


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 4118.5*

INPUT
Description:
Station Elevation Data    num=      44
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  813.04  681.96 1168.75   667.5  1321.2  663.02 1422.83  663.78
 1558.33   663.4 1727.72  664.73 1753.12   664.2 2032.61  653.31 2235.87   650.8
  2240.1  651.01  2337.5  657.97 2642.39  661.03 2727.08  661.13 3116.67  652.08
 3311.46  650.37 3895.83  641.49 4065.22     640 4188.02     640 4382.81  638.12
    4675  638.12 4869.79   631.3 4878.26  631.22 5081.52  619.32 5454.17  616.22
  5691.3  614.66 6233.33  611.79 6504.35  610.75  7012.5  610.75 7114.13  610.55
 7317.39  608.91 7402.08  608.75 8960.42  608.75    9350     605 9493.75  583.62
    9650  583.62 9856.25     60011154.08  609.28 11323.8     61011569.39  615.23
11617.31  620.5811984.69  688.9512204.33     710   12400  731.88

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9350     .15 9856.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9350 9856.25             45.5    45.5    45.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)           45.50      45.50      45.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1145191.00   86006.68   329452.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1145191.00   86006.68   329452.70
  Q Total (cfs)           206224.30    Flow (cfs)              148357.50   13859.04   44007.73
  Top Width (ft)          12400.00    Top Width (ft)           9350.00     506.25    2543.75
  Vel Total (ft/s)            0.13    Avg. Vel. (ft/s)            0.13       0.16       0.13
  Max Chl Dpth (ft)         176.26    Hydr. Depth (ft)          122.48     169.89     129.51
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  Conv. Total (cfs)       387746400.0    Conv. (cfs)            278944300.0   26058010.0   82744090.0
  Length Wtd. (ft)           45.50    Wetted Per. (ft)         9392.36     508.48    2580.67
  Min Ch El (ft)            583.62    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    85233.65    4075.32   27569.52
  C & E Loss (ft)             0.00    Cum SA (acres)            694.61      23.24     212.81


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 4073.*

INPUT
Description:
Station Elevation Data    num=      44
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  817.39  682.61    1175     668 1328.26  664.02 1430.43  664.37
 1566.67  663.72 1736.96   665.3  1762.5  664.96 2043.48  654.41 2247.83  651.07
 2252.08  651.21    2350   657.3 2656.52  661.37 2741.67   661.9 3133.33  651.67
 3329.17   650.3 3916.67  641.19 4086.96     640 4210.42     640 4406.25   637.5
    4700   637.5 4895.83  629.04 4904.35  628.96  5108.7  619.09 5483.33  615.97
 5721.74  614.54 6266.67  611.83 6539.13     611    7050     611 7152.17  610.74
 7356.52  609.22 7441.67     609 9008.33     609    9400     604    9525   583.5
    9700   583.5    9875     60011163.27  609.4211331.73     61011575.51  614.18
11623.08  620.7711987.75  693.1612205.77     710   12400   727.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9400     .15    9875     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9400    9875             45.5    45.5    45.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            45.50      45.50      45.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1150672.00   81056.38   326234.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1150672.00   81056.38   326234.90
  Q Total (cfs)           206224.30    Flow (cfs)             149495.30   13135.74   43593.29
  Top Width (ft)          12400.00    Top Width (ft)           9400.00     475.00    2525.00
  Vel Total (ft/s)            0.13    Avg. Vel. (ft/s)            0.13       0.16       0.13
  Max Chl Dpth (ft)         176.38    Hydr. Depth (ft)          122.41     170.65     129.20
  Conv. Total (cfs)       386502000.0    Conv. (cfs)            280181500.0   24618770.0   81701800.0
  Length Wtd. (ft)           45.50    Wetted Per. (ft)         9442.26     477.45    2566.46
  Min Ch El (ft)            583.50    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    84034.59    3988.07   27227.08
  C & E Loss (ft)             0.00    Cum SA (acres)            684.81      22.73     210.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 4027.5*

INPUT
Description:
Station Elevation Data    num=      44
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  821.74  683.26 1181.25   668.5 1335.33  665.03 1438.04  664.96
    1575  664.04  1746.2  665.88 1771.88  665.72 2054.35  655.51 2259.78  651.34
 2264.06  651.41  2362.5  656.62 2670.65  661.71 2756.25  662.68    3150  651.25
 3346.88  650.22  3937.5  640.89  4108.7     640 4232.81     640 4429.69  636.88
    4725  636.88 4921.88  626.78 4930.44   626.7 5135.87  618.87  5512.5  615.73
 5752.17  614.43    6300  611.88 6573.91  611.25  7087.5  611.25 7190.22  610.92
 7395.65  609.52 7481.25  609.25 9056.25  609.25    9450     603 9556.25  583.38
    9750  583.38 9893.75     60011172.45  609.5711339.66     61011581.63  613.14
11628.85  620.9611990.82  697.3712207.21     710   12400  723.12

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9450     .15 9893.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9450 9893.75             45.5    45.5    45.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            45.50      45.50      45.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1156140.00   76085.81   323020.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1156140.00   76085.81   323020.40
  Q Total (cfs)           206224.30    Flow (cfs)             150645.50   12401.47   43177.38
  Top Width (ft)          12400.00    Top Width (ft)           9450.00     443.75    2506.25
  Vel Total (ft/s)            0.13    Avg. Vel. (ft/s)            0.13       0.16       0.13
  Max Chl Dpth (ft)         176.50    Hydr. Depth (ft)          122.34     171.46     128.89
  Conv. Total (cfs)       385235700.0    Conv. (cfs)            281412100.0   23166470.0   80657180.0
  Length Wtd. (ft)           45.50    Wetted Per. (ft)         9492.23     446.50    2552.50
  Min Ch El (ft)            583.38    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    82829.82    3906.00   26887.99
  C & E Loss (ft)             0.00    Cum SA (acres)            674.97      22.25     207.53


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 3982.*

INPUT
Description:
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```
Station Elevation Data    num=      44
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  826.09  683.91  1187.5     669 1342.39  666.03 1445.65  665.55
 1583.33  664.36 1755.43  666.46 1781.25  666.48 2065.22  656.61 2271.74   651.6
 2276.04   651.6    2375  655.95 2684.78  662.05 2770.83  663.45 3166.67  650.83
 3364.58  650.15 3958.33   640.6 4130.43     640 4255.21     640 4453.12  636.25
    4750  636.25 4947.92  624.52 4956.52  624.45 5163.04  618.64 5541.67  615.49
 5782.61  614.32 6333.33  611.92  6608.7   611.5    7125   611.5 7228.26  611.11
 7434.78  609.83 7520.83   609.5 9104.17   609.5    9500     602  9587.5  583.25
    9800  583.25  9912.5     60011181.63  609.71 11347.6     61011587.75  612.09
11634.62  621.1511993.88  701.5812208.65     710   12400  718.75

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9500     .15  9912.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9500  9912.5             45.5    45.5    45.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            45.50      45.50      45.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1161605.00   71098.13   319825.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1161605.00   71098.13   319825.20
  Q Total (cfs)           206224.30    Flow (cfs)              151806.60   11655.20   42762.47
  Top Width (ft)          12400.00    Top Width (ft)           9500.00     412.50    2487.50
  Vel Total (ft/s)            0.13    Avg. Vel. (ft/s)            0.13       0.16       0.13
  Max Chl Dpth (ft)         176.63    Hydr. Depth (ft)          122.27     172.36     128.57
  Conv. Total (cfs)       383957000.0    Conv. (cfs)            282639900.0   21700130.0   79616950.0
  Length Wtd. (ft)           45.50    Wetted Per. (ft)         9542.27     415.73    2538.80
  Min Ch El (ft)            583.25    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    81619.34    3829.13   26552.25
  C & E Loss (ft)             0.00    Cum SA (acres)            665.07      21.80     204.93


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 3936.5*

INPUT
Description:
Station Elevation Data    num=      44
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  830.43  684.57 1193.75   669.5 1349.46  667.04 1453.26  666.15
 1591.67  664.68 1764.67  667.03 1790.62  667.24 2076.09  657.72  2283.7  651.87
 2288.02   651.8  2387.5  655.27 2698.91   662.4 2785.42  664.23 3183.33  650.42
 3382.29  650.07 3979.17   640.3 4152.17     640  4277.6     640 4476.56  635.62
    4775  635.62 4973.96  622.26 4982.61  622.19 5190.22  618.41 5570.83  615.24
 5813.04   614.2 6366.67  611.96 6643.48  611.75  7162.5  611.75  7266.3  611.29
 7473.91  610.13 7560.42  609.75 9152.08  609.75    9550     601 9618.75  583.12
    9850  583.12 9931.25     60011190.82  609.8611355.53     61011593.88  611.05
11640.38  621.3511996.94  705.79 12210.1     710   12400  714.38

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9550     .15 9931.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9550 9931.25             45.5    45.5    45.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            45.50      45.50      45.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1167065.00   66090.08   316630.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1167065.00   66090.08   316630.80
  Q Total (cfs)           206224.30    Flow (cfs)              152985.00   10893.24   42346.06
  Top Width (ft)          12400.00    Top Width (ft)           9550.00     381.25    2468.75
  Vel Total (ft/s)            0.13    Avg. Vel. (ft/s)            0.13       0.16       0.13
  Max Chl Dpth (ft)         176.76    Hydr. Depth (ft)          122.21     173.35     128.26
  Conv. Total (cfs)       382650400.0    Conv. (cfs)            283864600.0   20212470.0   78573370.0
  Length Wtd. (ft)           45.50    Wetted Per. (ft)         9592.37     385.27    2525.37
  Min Ch El (ft)            583.12    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    80403.15    3757.48   26219.85
  C & E Loss (ft)             0.00    Cum SA (acres)            655.12      21.38     202.34


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 3891

INPUT
Description:
Station Elevation Data    num=      26
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720    1200     670    1600     665    1800     668    2300     652
    2800     665    3200     650    3400     650    4000     640    4300     640
    4500     635    4800     635    5000     620    5600     615    6400     612
    7200     612    7600     610    9200     610    9600     600    9650     583
    9900     583    9950     600   11200     610   11600     610   12000     710
   12400     710

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9600     .15    9950     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9600    9950              448     448     448             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
```

```
  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)          448.00     448.00     448.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1172516.00   61058.64   313460.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1172516.00   61058.64   313460.50
  Q Total (cfs)           206224.30    Flow (cfs)              154184.50   10105.48   41934.27
  Top Width (ft)          12400.00    Top Width (ft)           9600.00     350.00    2450.00
  Vel Total (ft/s)            0.13    Avg. Vel. (ft/s)            0.13       0.17       0.13
  Max Chl Dpth (ft)         176.88    Hydr. Depth (ft)          122.14     174.45     127.94
  Conv. Total (cfs)       381305300.0    Conv. (cfs)            285084700.0   18684870.0   77535760.0
  Length Wtd. (ft)          448.00    Wetted Per. (ft)         9642.55     355.62    2512.23
  Min Ch El (ft)            583.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    79181.26    3691.07   25890.78
  C & E Loss (ft)             0.00    Cum SA (acres)            645.12      21.00     199.77


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 3443

INPUT
Description:
Station Elevation Data    num=      25
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     900     670    1300     668    1500     670    1800     670
    2200     660    2600     660    2700     668    4800     630    5100     620
    5800     616    7200     616    7600     610    9200     610    9600     608
    9800     596   10000     596   10050     582   10100     582   10400     600
   11200     608   11600     608   11800     620   12000     620   13200     720

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10000     .15   10400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10000   10400              143     143     143             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)          143.00     143.00     143.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1224717.00   68102.69   350468.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1224717.00   68102.69   350468.80
  Q Total (cfs)           206224.30    Flow (cfs)              151936.20   10510.52   43777.58
  Top Width (ft)          13200.00    Top Width (ft)          10000.00     400.00    2800.00
  Vel Total (ft/s)            0.13    Avg. Vel. (ft/s)            0.12       0.15       0.12
  Max Chl Dpth (ft)         177.88    Hydr. Depth (ft)          122.47     170.26     125.17
  Conv. Total (cfs)       404957700.0    Conv. (cfs)            298353400.0   20639260.0   85964980.0
  Length Wtd. (ft)          143.00    Wetted Per. (ft)        10042.66     402.46    2844.44
  Min Ch El (ft)            582.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    66853.89    3026.88   22476.63
  C & E Loss (ft)             0.00    Cum SA (acres)            544.33      17.14     172.77


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 3300

INPUT
Description:
Station Elevation Data    num=      26
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     900     676    1300     669    1600     673    2200     661
    2600     670    2800     670    3700     649    4100     649    5200     620
    5700     614    7600     614    8000     608    9200     608    9600     606
   10000     600   10200     600   10250     580   10350     580   10400     600
   11400     610   11800     610   11900     620   12100     620   12400     660
   13200     720

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10200     .15   10400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10200   10400              243     243     243             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)          243.00     243.00     243.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1247693.00   34976.33   349168.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1247693.00   34976.33   349168.60
  Q Total (cfs)           206224.30    Flow (cfs)              156704.50    5451.14   44068.61
  Top Width (ft)          13200.00    Top Width (ft)          10200.00     200.00    2800.00
  Vel Total (ft/s)            0.13    Avg. Vel. (ft/s)            0.13       0.16       0.13
  Max Chl Dpth (ft)         179.88    Hydr. Depth (ft)          122.32     174.88     124.70
  Conv. Total (cfs)       399715600.0    Conv. (cfs)            303733600.0   10565710.0   85416270.0
  Length Wtd. (ft)          243.00    Wetted Per. (ft)        10242.02     207.70    2845.33
  Min Ch El (ft)            580.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.00    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    62795.64    2857.69   21328.24
  C & E Loss (ft)             0.00    Cum SA (acres)            511.17      16.16     163.58


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 3057
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INPUT
Description:
Station Elevation Data    num=      26
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     900     676    1300     669    1600     673    2200     661
    2600     670    2800     670    3700     649    4100     649    5200     620
    5700     614    7600     614    8000     608    9200     608    9600     606
   10000     600   10200     600   10250     579   10350     579   10400     600
   11600     608   11800     608   11900     620   12300     620   12600     660
   13600     720

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10200     .15   10400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10200   10400              127     127     127             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)           127.00     127.00     127.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1247692.00   35126.32   393821.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1247692.00   35126.32   393821.10
  Q Total (cfs)           206224.30    Flow (cfs)              152782.30    5339.75   48102.29
  Top Width (ft)          13600.00    Top Width (ft)          10200.00     200.00    3200.00
  Vel Total (ft/s)            0.12    Avg. Vel. (ft/s)            0.12       0.15       0.12
  Max Chl Dpth (ft)         180.88    Hydr. Depth (ft)          122.32     175.63     123.07
  Conv. Total (cfs)       409976900.0    Conv. (cfs)            303733300.0   10615500.0   95628050.0
  Length Wtd. (ft)          127.00    Wetted Per. (ft)        10242.02     208.46    3245.08
  Min Ch El (ft)            579.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.00    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    55835.37    2662.15   19255.85
  C & E Loss (ft)             0.00    Cum SA (acres)            454.27      15.04     146.84


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 2930

INPUT
Description:
Station Elevation Data    num=      25
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     900     676    1300     669    1600     673    2200     661
    2600     670    2800     670    3700     649    4100     649    5200     620
    5700     614    7600     614    8000     608    9200     608    9600     606
   10000     600   10200     600   10250     578   10350     578   10400     600
   11600     610   12000     620   12300     620   12600     660   13600     720

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10200     .15   10400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10200   10400            242.06  242.06  242.06             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)           242.06     242.06     242.06
  Crit W.S. (ft)                      Flow Area (sq ft)       1247692.00   35276.30   391620.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1247692.00   35276.30   391620.90
  Q Total (cfs)           206224.30    Flow (cfs)              153091.70    5375.13   47757.46
  Top Width (ft)          13600.00    Top Width (ft)          10200.00     200.00    3200.00
  Vel Total (ft/s)            0.12    Avg. Vel. (ft/s)            0.12       0.15       0.12
  Max Chl Dpth (ft)         181.88    Hydr. Depth (ft)          122.32     176.38     122.38
  Conv. Total (cfs)       409147900.0    Conv. (cfs)            303733100.0   10664230.0   94750540.0
  Length Wtd. (ft)          242.06    Wetted Per. (ft)        10242.02     209.25    3244.50
  Min Ch El (ft)            578.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.00    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    52197.70    2559.52   18110.86
  C & E Loss (ft)             0.00    Cum SA (acres)            424.54      14.46     137.51


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 2688

INPUT
Description:
Station Elevation Data    num=      25
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     900     676    1300     669    1600     673    2200     661
    2600     670    2800     670    3700     649    4100     649    5200     620
    5700     614    7600     614    8000     608    9200     608    9600     606
   10000     600   10300     600   10350     577   10400     577   10600     600
   12000     610   12200     620   12500     620   13000     660   14000     720

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10300     .15   10600     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10300   10600            239.04  239.04  239.04             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)           239.04     239.04     239.04
  Crit W.S. (ft)                      Flow Area (sq ft)       1263679.00   51989.44   417597.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1263679.00   51989.44   417597.00
  Q Total (cfs)           206224.30    Flow (cfs)              149436.40    7653.16   49134.77
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  Top Width (ft)          14000.00    Top Width (ft)          10300.00     300.00    3400.00
  Vel Total (ft/s)            0.12    Avg. Vel. (ft/s)            0.12       0.15       0.12
  Max Chl Dpth (ft)         182.88    Hydr. Depth (ft)          122.69     173.30     122.82
  Conv. Total (cfs)       425381400.0    Conv. (cfs)            308244300.0   15786280.0   101350900.0
  Length Wtd. (ft)          239.04    Wetted Per. (ft)        10342.02     306.35    3443.56
  Min Ch El (ft)            577.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    45219.95    2317.06   15862.48
  C & E Loss (ft)             0.00    Cum SA (acres)            367.58      13.07     119.18


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 2449

INPUT
Description:
Station Elevation Data    num=      24
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     900     676    1300     669    1600     673    2200     661
    2600     670    2800     670    3700     649    4100     649    5200     620
    5700     614    7600     614    8000     608    9200     608    9600     606
   10000     600   10300     600   10350     576   10400     576   10600     600
   12200     610   12800     640   13000     640   13600     690

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10300     .15   10600     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10300   10600            252.96  252.96  252.96             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)           252.96     252.96     252.96
  Crit W.S. (ft)                      Flow Area (sq ft)       1263679.00   52164.42   409644.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1263679.00   52164.42   409644.20
  Q Total (cfs)           206224.30    Flow (cfs)              147830.90    7604.50   50788.87
  Top Width (ft)          13600.00    Top Width (ft)          10300.00     300.00    3000.00
  Vel Total (ft/s)            0.12    Avg. Vel. (ft/s)            0.12       0.15       0.12
  Max Chl Dpth (ft)         183.88    Hydr. Depth (ft)          122.69     173.88     136.55
  Conv. Total (cfs)       430000700.0    Conv. (cfs)            308244000.0   15856230.0   105900500.0
  Length Wtd. (ft)          252.96    Wetted Per. (ft)        10342.02     306.90    3072.74
  Min Ch El (ft)            576.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    38285.38    2031.28   13592.69
  C & E Loss (ft)             0.00    Cum SA (acres)            311.05      11.43     101.62


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 2196

INPUT
Description:
Station Elevation Data    num=      25
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     900     676    1300     669    1600     673    2200     661
    2600     670    2800     670    3700     649    4100     649    5200     620
    5700     614    7600     614    8000     608    9200     608    9600     606
   10000     600   10300     600   10350     575   10400     575   10600     600
   12200     610   12800     650   13000     645   13200     645   13600     690

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10300     .15   10600     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10300   10600             62.5    62.5    62.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            62.50      62.50      62.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1263678.00   52339.41   408144.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1263678.00   52339.41   408144.10
  Q Total (cfs)           206224.30    Flow (cfs)              148037.80    7648.44   50538.04
  Top Width (ft)          13600.00    Top Width (ft)          10300.00     300.00    3000.00
  Vel Total (ft/s)            0.12    Avg. Vel. (ft/s)            0.12       0.15       0.12
  Max Chl Dpth (ft)         184.88    Hydr. Depth (ft)          122.69     174.46     136.05
  Conv. Total (cfs)       429399300.0    Conv. (cfs)            308243600.0   15925550.0   105230100.0
  Length Wtd. (ft)           62.50    Wetted Per. (ft)        10342.02     307.46    3073.83
  Min Ch El (ft)            575.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30946.99    1727.84   11218.18
  C & E Loss (ft)             0.00    Cum SA (acres)            251.24       9.68      84.20


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 2133.5*

INPUT
Description:
Station Elevation Data    num=      49
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  587.26  688.62  906.55  676.18  978.77  675.06 1272.41  671.73
 1309.47   671.1 1611.65  672.89 1957.55  666.35  2153.3  664.18 2216.02  663.25
 2618.93     670 2740.57     670 2820.39  669.59 3719.34  649.38 3726.94  649.25
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 4129.85  649.25 4404.48  643.86 4502.36  639.44 4698.11   635.6 5089.62  622.91
 5237.86  619.68  5741.5  614.07 5774.76     614 7634.43     614 7655.34  614.05
 7732.31  613.39 8058.25  609.75  8221.7  609.75  8221.7   608.5 9004.72   608.5
 9266.99  607.72 9591.98  605.54  9669.9  604.95 9787.74  603.1810072.82     600
   10375     600 10437.5  574.75   10500  574.75   10700     60012067.65   608.7
12341.18  609.9412353.33  610.3312705.88  637.0612888.24  648.3812973.33   652.5
   13180  648.7513252.94  648.7513386.67  650.89   13800  691.25

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10375     .15   10700     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10375   10700             62.5    62.5    62.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            62.50      62.50      62.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1271502.00   56853.63   416518.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1271502.00   56853.63   416518.10
  Q Total (cfs)           206224.30    Flow (cfs)              147298.80    8263.10   50662.38
  Top Width (ft)          13800.00    Top Width (ft)          10375.00     325.00    3100.00
  Vel Total (ft/s)            0.12    Avg. Vel. (ft/s)            0.12       0.15       0.12
  Max Chl Dpth (ft)         185.13    Hydr. Depth (ft)          122.55     174.93     134.36
  Conv. Total (cfs)       433889500.0    Conv. (cfs)             309912100.0   17385310.0   106592100.0
  Length Wtd. (ft)           62.50    Wetted Per. (ft)        10418.14     331.50    3172.15
  Min Ch El (ft)            574.75    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29128.25    1649.51   10626.56
  C & E Loss (ft)             0.00    Cum SA (acres)            236.41       9.24      79.82


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 2071.*

INPUT
Description:
Station Elevation Data    num=      49
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.51  685.75  913.11  676.37  985.85  675.37  1281.6  673.82
 1318.93   673.2  1623.3  672.78  1971.7  666.57 2168.87  666.12 2232.04   665.5
 2637.86     670 2760.38     670 2840.78  669.18 3746.23  649.59 3753.88   649.5
 4159.71   649.5 4436.32  645.91 4534.91  639.63 4732.08  637.06 5126.42  621.94
 5275.73  619.35 5783.01  614.15 5816.51     614 7689.62     614 7710.68  614.11
 7788.21  613.93  8116.5   611.5 8281.13   611.5 8281.13     609 9069.81     609
 9333.98  607.44 9661.32  604.69 9739.81   603.9 9858.49  602.1210145.63     600
   10450     600   10525   574.5   10600   574.5   10800     60012211.76  609.14
12494.12  609.9612506.67  610.6712870.59  641.3713058.82  652.2513146.67     655
   13360   652.513435.29   652.513573.33  656.78   14000   692.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10450     .15   10800     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10450   10800             62.5    62.5    62.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            62.50      62.50      62.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1279298.00   61377.22   424543.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1279298.00   61377.22   424543.00
  Q Total (cfs)           206224.30    Flow (cfs)              146620.80    8866.01   50737.47
  Top Width (ft)          14000.00    Top Width (ft)          10450.00     350.00    3200.00
  Vel Total (ft/s)            0.12    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         185.38    Hydr. Depth (ft)          122.42     175.36     132.67
  Conv. Total (cfs)       438222300.0    Conv. (cfs)             311566100.0   18840090.0   107816100.0
  Length Wtd. (ft)           62.50    Wetted Per. (ft)        10494.46     355.84    3270.66
  Min Ch El (ft)            574.50    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27298.31    1564.69   10023.18
  C & E Loss (ft)             0.00    Cum SA (acres)            221.47       8.75      75.30


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 2008.5*

INPUT
Description:
Station Elevation Data    num=      49
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.75  682.87  919.66  676.55  992.92  675.69  1290.8  675.91
  1328.4   675.3 1634.95  672.67 1985.85  666.78 2184.43  668.06 2248.06  667.75
  2656.8     670 2780.19     670 2861.17  668.78 3773.11  649.79 3780.83  649.75
 4189.56  649.75 4468.16  647.95 4567.45  639.81 4766.04  638.53 5163.21  620.97
 5313.59  619.03 5824.51  614.22 5858.25     614 7744.81     614 7766.02  614.16
  7844.1  614.46 8174.76  613.25 8340.57  613.25 8340.57   609.5 9134.91   609.5
 9400.97  607.16 9730.66  603.85 9809.71  602.85 9929.25  601.0610218.45     600
   10525     600 10612.5  574.25   10700  574.25   10900     60012355.88  609.57
12647.06  609.98   12660     61113035.29  645.6913229.41  656.13   13320   657.5
   13540  656.2513617.65  656.25   13760  662.67   14200  693.75

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10525     .15   10900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10525   10900             62.5    62.5    62.5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
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```
  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            62.50      62.50      62.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1287083.00   65910.20   432236.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1287083.00   65910.20   432236.10
  Q Total (cfs)           206224.30    Flow (cfs)              145997.60    9459.50   50767.18
  Top Width (ft)          14200.00    Top Width (ft)          10525.00     375.00    3300.00
  Vel Total (ft/s)            0.12    Avg. Vel. (ft/s)           0.11       0.14       0.12
  Max Chl Dpth (ft)         185.63    Hydr. Depth (ft)          122.29     175.76     130.98
  Conv. Total (cfs)       442417800.0    Conv. (cfs)            313212100.0   20293680.0   108912000.0
  Length Wtd. (ft)           62.50    Wetted Per. (ft)        10570.96     380.36    3369.34
  Min Ch El (ft)            574.25    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25457.18    1473.37    9408.53
  C & E Loss (ft)             0.00    Cum SA (acres)            206.42       8.23      70.64


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1946

INPUT
Description:
Station Elevation Data    num=      30
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700     574   10800     574   11000     600   12500     610
   12800     610   13200     650   13400     660   13800     660   14400     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70452.54   439596.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70452.54   439596.60
  Q Total (cfs)           206224.30    Flow (cfs)              145425.00   10045.36   50753.91
  Top Width (ft)          14400.00    Top Width (ft)          10600.00     400.00    3400.00
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.11       0.14       0.12
  Max Chl Dpth (ft)         185.88    Hydr. Depth (ft)          122.15     176.13     129.29
  Conv. Total (cfs)       446474800.0    Conv. (cfs)            314844600.0   21748180.0   109882000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.01    3468.18
  Min Ch El (ft)            574.00    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23604.91    1375.55    8783.08
  C & E Loss (ft)             0.00    Cum SA (acres)            191.27       7.67      65.83


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1941.04*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.98   10800  573.98   11000     60012500.54  609.96
12800.65  609.9813137.92   643.3 13200.8  649.6713332.28  656.4913400.87  659.91
13720.99  660.0613801.02  660.0414012.52  672.1814206.88  683.3714401.23     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70457.55   440009.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70457.55   440009.80
  Q Total (cfs)           206224.30    Flow (cfs)              145376.50   10043.08   50804.70
  Top Width (ft)          14401.23    Top Width (ft)          10600.00     400.00    3401.23
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.11       0.14       0.12
  Max Chl Dpth (ft)         185.90    Hydr. Depth (ft)          122.15     176.14     129.37
  Conv. Total (cfs)       446623800.0    Conv. (cfs)            314844600.0   21750480.0   110028700.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.02    3469.39
  Min Ch El (ft)            573.98    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23457.77    1367.54    8733.10
  C & E Loss (ft)             0.00    Cum SA (acres)            190.06       7.63      65.44


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 1936.09*

INPUT
Description:
Station Elevation Data     num=      35
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720     600     680    1000     676    1300     678    2000     667
     2200     670    2800     670    3800     650    4500     650    4600     640
     4800     640    5200     620    5900     614    7800     614    7900     615
     8400     615    8400     610    9200     610    9800     603   10000     600
    10600     600   10700  573.95   10800  573.95   11000     60012501.09  609.93
12801.31  609.9613138.69  642.88 13201.6  649.3313333.12  656.4113401.74  659.82
13721.98  660.1213802.03  660.0914013.62  672.0314208.04  683.0814402.47     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70465.04   440413.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70465.04   440413.30
  Q Total (cfs)           206224.30    Flow (cfs)              145329.00   10041.39   50853.86
  Top Width (ft)          14402.47    Top Width (ft)          10600.00     400.00    3402.47
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         185.93    Hydr. Depth (ft)          122.15     176.16     129.44
  Conv. Total (cfs)       446769700.0    Conv. (cfs)             314844600.0   21753930.0   110171100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.03    3470.61
  Min Ch El (ft)            573.95    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23310.63    1359.53    8683.07
  C & E Loss (ft)             0.00    Cum SA (acres)            188.86       7.58      65.06


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1931.14*

INPUT
Description:
Station Elevation Data     num=      35
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720     600     680    1000     676    1300     678    2000     667
     2200     670    2800     670    3800     650    4500     650    4600     640
     4800     640    5200     620    5900     614    7800     614    7900     615
     8400     615    8400     610    9200     610    9800     603   10000     600
    10600     600   10700  573.93   10800  573.93   11000     60012501.63  609.89
12801.96  609.9413139.47  642.47 13202.4     64913333.97  656.3313402.61  659.73
13722.96  660.1913803.05  660.1314014.71  671.8814209.21  682.79 14403.7     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70470.04   440822.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70470.04   440822.10
  Q Total (cfs)           206224.30    Flow (cfs)              145281.20   10039.15   50903.92
  Top Width (ft)          14403.70    Top Width (ft)          10600.00     400.00    3403.70
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         185.95    Hydr. Depth (ft)          122.15     176.18     129.51
  Conv. Total (cfs)       446916700.0    Conv. (cfs)             314844600.0   21756220.0   110315900.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.03    3471.82
  Min Ch El (ft)            573.93    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23163.48    1351.53    8633.00
  C & E Loss (ft)             0.00    Cum SA (acres)            187.65       7.54      64.67


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1926.19*

INPUT
Description:
Station Elevation Data     num=      35
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720     600     680    1000     676    1300     678    2000     667
     2200     670    2800     670    3800     650    4500     650    4600     640
     4800     640    5200     620    5900     614    7800     614    7900     615
     8400     615    8400     610    9200     610    9800     603   10000     600
    10600     600   10700  573.9   10800   573.9   11000     60012502.18  609.85
12802.61  609.9213140.25  642.05 13203.2  648.6613334.82  656.2513403.49  659.64
13723.95  660.2513804.07  660.18 14015.8  671.7214210.37   682.514404.94     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10600   11000             4.95    4.95    4.95             .1       .3
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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70477.53   441237.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70477.53   441237.30
  Q Total (cfs)           206224.30    Flow (cfs)              145232.30   10037.35   50954.70
  Top Width (ft)          14404.94    Top Width (ft)          10600.00     400.00    3404.94
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         185.98    Hydr. Depth (ft)          122.15     176.19     129.59
  Conv. Total (cfs)       447067500.0    Conv. (cfs)            314844600.0   21759670.0   110463200.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.05    3473.04
  Min Ch El (ft)            573.90    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23016.34    1343.52    8582.89
  C & E Loss (ft)             0.00    Cum SA (acres)            186.45       7.49      64.28


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1921.24*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.88   10800  573.88   11000     60012502.72  609.82
12803.27   609.913141.02  641.6313203.99  648.3313335.66  656.1713404.36  659.55
13724.94  660.3113805.08  660.22 14016.9  671.5714211.53  682.2114406.17     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70482.54   441640.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70482.54   441640.90
  Q Total (cfs)           206224.30    Flow (cfs)              145185.20   10035.16   51003.97
  Top Width (ft)          14406.17    Top Width (ft)          10600.00     400.00    3406.17
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.00    Hydr. Depth (ft)          122.15     176.21     129.66
  Conv. Total (cfs)       447212400.0    Conv. (cfs)            314844600.0   21761970.0   110605800.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.05    3474.26
  Min Ch El (ft)            573.88    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22869.20    1335.51    8532.72
  C & E Loss (ft)             0.00    Cum SA (acres)            185.24       7.45      63.90


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1916.29*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.85   10800  573.85   11000     60012503.27  609.78
12803.92  609.88 13141.8  641.2213204.79     64813336.51  656.0813405.23  659.46
13725.93  660.37 13806.1  660.2714017.99  671.42 14212.7  681.9114407.41     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70490.05   442054.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70490.05   442054.40
  Q Total (cfs)           206224.30    Flow (cfs)              145136.50   10033.38   51054.44
  Top Width (ft)          14407.41    Top Width (ft)          10600.00     400.00    3407.41
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.03    Hydr. Depth (ft)          122.15     176.23     129.73
  Conv. Total (cfs)       447362500.0    Conv. (cfs)            314844600.0   21765430.0   110752400.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.06    3475.48
  Min Ch El (ft)            573.85    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22722.06    1327.50    8482.51
  C & E Loss (ft)             0.00    Cum SA (acres)            184.04       7.40      63.51


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 1911.34*

INPUT
Description:
Station Elevation Data     num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.83   10800  573.83   11000     60012503.81  609.74
12804.58  609.8613142.57   640.813205.59  647.6613337.35     656 13406.1  659.36
13726.91  660.4313807.12  660.3114019.08  671.2714213.86  681.6214408.64     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70495.04   442470.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70495.04   442470.50
  Q Total (cfs)           206224.30    Flow (cfs)              145087.80   10031.07   51105.46
  Top Width (ft)          14408.64    Top Width (ft)          10600.00     400.00    3408.64
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.05    Hydr. Depth (ft)          122.15     176.24     129.81
  Conv. Total (cfs)       447512700.0    Conv. (cfs)            314844600.0   21767720.0   110900300.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.07    3476.70
  Min Ch El (ft)            573.83    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22574.92    1319.49    8432.26
  C & E Loss (ft)             0.00    Cum SA (acres)            182.83       7.36      63.12


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1906.39*

INPUT
Description:
Station Elevation Data     num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700   573.8   10800   573.8   11000     60012504.36  609.71
12805.23  609.8413143.35  640.3813206.39  647.33 13338.2  655.9213406.97  659.27
 13727.9  660.4913808.13  660.3614020.18  671.1214215.03  681.3314409.88     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70502.54   442874.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70502.54   442874.50
  Q Total (cfs)           206224.30    Flow (cfs)              145040.40   10029.39   51154.48
  Top Width (ft)          14409.88    Top Width (ft)          10600.00     400.00    3409.88
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.08    Hydr. Depth (ft)          122.15     176.26     129.88
  Conv. Total (cfs)       447658700.0    Conv. (cfs)            314844600.0   21771170.0   111042900.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.08    3477.93
  Min Ch El (ft)            573.80    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22427.78    1311.48    8381.95
  C & E Loss (ft)             0.00    Cum SA (acres)            181.63       7.31      62.73


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1901.44*

INPUT
Description:
Station Elevation Data     num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.78   10800  573.78   11000     600 12504.9  609.67
12805.88  609.8213144.13  639.9713207.19  646.9913339.05  655.8413407.84  659.18
13728.89  660.5613809.15   660.414021.27  670.9614216.19  681.0414411.11     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70507.53   443287.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70507.53   443287.20
  Q Total (cfs)           206224.30    Flow (cfs)              144992.30   10027.12   51204.92
  Top Width (ft)          14411.11    Top Width (ft)          10600.00     400.00    3411.11
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.10    Hydr. Depth (ft)          122.15     176.27     129.95
  Conv. Total (cfs)       447807500.0    Conv. (cfs)            314844600.0   21773460.0   111189400.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.09    3479.16
  Min Ch El (ft)            573.78    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22280.64    1303.46    8331.60
  C & E Loss (ft)             0.00    Cum SA (acres)            180.43       7.27      62.35


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1896.49*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.75   10800  573.75   11000     60012505.45  609.63
12806.54  609.81 13144.9  639.5513207.99  646.6613339.89  655.7613408.71  659.09
13729.88  660.6213810.17  660.4514022.36  670.8114217.35  680.7414412.35     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70515.04   443698.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70515.04   443698.90
  Q Total (cfs)           206224.30    Flow (cfs)              144943.90   10025.36   51255.01
  Top Width (ft)          14412.35    Top Width (ft)          10600.00     400.00    3412.35
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.13    Hydr. Depth (ft)          122.15     176.29     130.03
  Conv. Total (cfs)       447956800.0    Conv. (cfs)            314844600.0   21776920.0   111335200.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.10    3480.39
  Min Ch El (ft)            573.75    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22133.50    1295.45    8281.21
  C & E Loss (ft)             0.00    Cum SA (acres)            179.22       7.22      61.96


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1891.54*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.73   10800  573.73   11000     60012505.99  609.6
12807.19  609.7913145.68  639.1413208.79  646.3313340.74  655.6813409.59     659
13730.86  660.6813811.18  660.4914023.46  670.6614218.52  680.4514413.58     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70520.05   444102.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70520.05   444102.10
  Q Total (cfs)           206224.30    Flow (cfs)              144897.10   10023.18   51304.02
  Top Width (ft)          14413.58    Top Width (ft)          10600.00     400.00    3413.58
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.15    Hydr. Depth (ft)          122.15     176.30     130.10
  Conv. Total (cfs)       448101600.0    Conv. (cfs)            314844600.0   21779220.0   111477700.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.11    3481.62
  Min Ch El (ft)            573.73    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21986.36    1287.44    8230.76
  C & E Loss (ft)             0.00    Cum SA (acres)            178.02       7.17      61.57


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1886.59*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700   573.7   10800   573.7   11000     60012506.54  609.56
12807.84  609.7713146.46  638.7213209.59  645.9913341.59   655.613410.46  658.91
13731.85  660.74 13812.2  660.5414024.55  670.5114219.68  680.1614414.81     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70527.54   444515.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70527.54   444515.80
  Q Total (cfs)           206224.30    Flow (cfs)              144848.50   10021.40   51354.40
  Top Width (ft)          14414.81    Top Width (ft)          10600.00     400.00    3414.81
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.18    Hydr. Depth (ft)          122.15     176.32     130.17
  Conv. Total (cfs)       448251900.0    Conv. (cfs)            314844600.0   21782660.0   111624600.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.12    3482.84
  Min Ch El (ft)            573.70    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21839.22    1279.42    8180.27
  C & E Loss (ft)             0.00    Cum SA (acres)            176.81       7.13      61.18


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1881.64*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.68   10800  573.68   11000     60012507.08  609.52
 12808.5  609.7513147.23   638.313210.38  645.6613342.43  655.5213411.33  658.82
13732.84   660.813813.22  660.5814025.64  670.3514220.85  679.8714416.05     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70532.54   444932.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70532.54   444932.90
  Q Total (cfs)           206224.30    Flow (cfs)              144799.90   10019.10   51405.28
  Top Width (ft)          14416.05    Top Width (ft)          10600.00     400.00    3416.05
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.20    Hydr. Depth (ft)          122.15     176.33     130.25
  Conv. Total (cfs)       448402300.0    Conv. (cfs)            314844600.0   21784960.0   111772700.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.13    3484.09
  Min Ch El (ft)            573.68    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21692.08    1271.41    8129.74
  C & E Loss (ft)             0.00    Cum SA (acres)            175.61       7.08      60.80


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1876.69*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.65   10800  573.65   11000     60012507.62  609.48
12809.15  609.7313148.01  637.8913211.18  645.3213343.28  655.44 13412.2  658.73
13733.83  660.8613814.23  660.6314026.74   670.214222.01  679.5814417.28     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70540.03   445345.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70540.03   445345.10
  Q Total (cfs)           206224.30    Flow (cfs)              144751.60   10017.34   51455.36
  Top Width (ft)          14417.28    Top Width (ft)          10600.00     400.00    3417.28
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.23    Hydr. Depth (ft)          122.15     176.35     130.32
  Conv. Total (cfs)       448552000.0    Conv. (cfs)            314844600.0   21788400.0   111918900.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.14    3485.32
  Min Ch El (ft)            573.65    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21544.94    1263.39    8079.15
  C & E Loss (ft)             0.00    Cum SA (acres)            174.40       7.04      60.41


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1871.74*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.63   10800  573.63   11000     60012508.17  609.45
 12809.8  609.7113148.78  637.4713211.98  644.9913344.13  655.3513413.07  658.64
13734.81  660.9313815.25  660.6714027.83  670.0514223.17  679.2814418.52     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70545.04   445752.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70545.04   445752.30
  Q Total (cfs)           206224.30    Flow (cfs)              144704.40   10015.13   51504.75
  Top Width (ft)          14418.52    Top Width (ft)          10600.00     400.00    3418.52
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.25    Hydr. Depth (ft)          122.15     176.36     130.39
  Conv. Total (cfs)       448698200.0    Conv. (cfs)            314844600.0   21790700.0   112062900.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.15    3486.56
  Min Ch El (ft)            573.63    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21397.80    1255.38    8028.52
  C & E Loss (ft)             0.00    Cum SA (acres)            173.20       6.99      60.02


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1866.79*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700   573.6   10800   573.6   11000     60012508.71  609.41
12810.46  609.6913149.56  637.0513212.78  644.6613344.97  655.2713413.94  658.55
 13735.8  660.9913816.27  660.7214028.92   669.914224.34  678.9914419.75     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70552.55   446166.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70552.55   446166.00
  Q Total (cfs)           206224.30    Flow (cfs)              144655.90   10013.36   51554.98
  Top Width (ft)          14419.75    Top Width (ft)          10600.00     400.00    3419.75
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.28    Hydr. Depth (ft)          122.15     176.38     130.47
  Conv. Total (cfs)       448848600.0    Conv. (cfs)            314844600.0   21794150.0   112209800.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.16    3487.80
  Min Ch El (ft)            573.60    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21250.66    1247.36    7977.85
  C & E Loss (ft)             0.00    Cum SA (acres)            171.99       6.95      59.63
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1861.83*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.58   10800  573.58   11000     60012509.26  609.37
12811.11  609.6713150.33  636.6413213.58  644.3213345.82  655.1913414.81  658.46
13736.79  661.0513817.28  660.7614030.02  669.74 14225.5   678.714420.99     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70557.54   446582.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70557.54   446582.80
  Q Total (cfs)           206224.30    Flow (cfs)              144607.50   10011.07   51605.69
  Top Width (ft)          14420.99    Top Width (ft)          10600.00     400.00    3420.99
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.30    Hydr. Depth (ft)          122.15     176.39     130.54
  Conv. Total (cfs)       448998800.0    Conv. (cfs)            314844600.0   21796450.0   112357700.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.17    3489.04
  Min Ch El (ft)            573.58    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21103.52    1239.34    7927.12
  C & E Loss (ft)             0.00    Cum SA (acres)            170.79       6.90      59.24


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1856.88*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.56   10800  573.56   11000     600 12509.8  609.34
12811.76  609.6513151.11  636.2213214.38  643.9913346.67  655.1113415.69  658.37
13737.78  661.11 13818.3  660.8114031.11  669.5914226.67  678.4114422.22     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70562.54   446987.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70562.54   446987.60
  Q Total (cfs)           206224.30    Flow (cfs)              144560.70   10008.88   51654.72
  Top Width (ft)          14422.22    Top Width (ft)          10600.00     400.00    3422.22
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.32    Hydr. Depth (ft)          122.15     176.41     130.61
  Conv. Total (cfs)       449144300.0    Conv. (cfs)            314844600.0   21798740.0   112500900.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.18    3490.28
  Min Ch El (ft)            573.56    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20956.38    1231.33    7876.35
  C & E Loss (ft)             0.00    Cum SA (acres)            169.58       6.86      58.85


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1851.93*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.53   10800  573.53   11000     60012510.35   609.3
12812.42  609.6313151.89  635.8113215.18  643.6513347.51  655.0313416.56  658.28
13738.77  661.1713819.32  660.8514032.21  669.4414227.83  678.1214423.46     695

Manning's n Values        num=       3
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     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70570.03   447403.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70570.03   447403.00
  Q Total (cfs)           206224.30    Flow (cfs)              144512.20   10007.10   51705.03
  Top Width (ft)          14423.46    Top Width (ft)          10600.00     400.00    3423.46
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.35    Hydr. Depth (ft)          122.15     176.43     130.69
  Conv. Total (cfs)       449295100.0    Conv. (cfs)            314844600.0   21802180.0   112648300.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.19    3491.53
  Min Ch El (ft)            573.53    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20809.23    1223.31    7825.53
  C & E Loss (ft)             0.00    Cum SA (acres)            168.38       6.81      58.46


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1846.98*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.51   10800  573.51   11000     60012510.89  609.26
12813.07  609.6113152.66  635.3913215.98  643.3213348.36  654.9513417.43  658.18
13739.75  661.2313820.33   660.9 14033.3  669.2914228.99  677.8214424.69     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70575.04   447821.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70575.04   447821.00
  Q Total (cfs)           206224.30    Flow (cfs)              144463.60   10004.79   51755.88
  Top Width (ft)          14424.69    Top Width (ft)          10600.00     400.00    3424.69
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.37    Hydr. Depth (ft)          122.15     176.44     130.76
  Conv. Total (cfs)       449446100.0    Conv. (cfs)            314844600.0   21804480.0   112797000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.20    3492.78
  Min Ch El (ft)            573.51    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20662.09    1215.29    7774.67
  C & E Loss (ft)             0.00    Cum SA (acres)            167.18       6.77      58.07


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1842.03*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.48   10800  573.48   11000     60012511.44  609.23
12813.73  609.5913153.44  634.9713216.78  642.9813349.21  654.87 13418.3  658.09
13740.74   661.313821.35  660.9414034.39  669.1414230.16  677.5314425.93     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70582.55   448227.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70582.55   448227.80
  Q Total (cfs)           206224.30    Flow (cfs)              144416.30   10003.10   51804.88
  Top Width (ft)          14425.93    Top Width (ft)          10600.00     400.00    3425.93
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.40    Hydr. Depth (ft)          122.15     176.46     130.83
  Conv. Total (cfs)       449593300.0    Conv. (cfs)            314844600.0   21807930.0   112940800.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.21    3494.03
  Min Ch El (ft)            573.48    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20514.95    1207.27    7723.76
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  C & E Loss (ft)             0.00    Cum SA (acres)            165.97       6.72      57.69

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1837.08*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.46   10800  573.46   11000     60012511.98  609.19
12814.38  609.5713154.21  634.5613217.57  642.6513350.05  654.7913419.17     658
13741.73  661.3613822.37  660.9914035.49  668.9814231.32  677.2414427.16     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70587.53   448642.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70587.53   448642.10
  Q Total (cfs)           206224.30    Flow (cfs)              144368.30   10000.82   51855.14
  Top Width (ft)          14427.16    Top Width (ft)          10600.00     400.00    3427.16
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.42    Hydr. Depth (ft)          122.15     176.47     130.91
  Conv. Total (cfs)       449742800.0    Conv. (cfs)            314844600.0   21810220.0   113087900.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.22    3495.28
  Min Ch El (ft)            573.46    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20367.81    1199.25    7672.80
  C & E Loss (ft)             0.00    Cum SA (acres)            164.77       6.67      57.30

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1832.13*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.43   10800  573.43   11000     60012512.53  609.15
12815.03  609.5513154.99  634.1413218.37  642.32 13350.9  654.7113420.04  657.91
13742.72  661.4213823.38  661.0314036.58  668.8314232.49  676.95 14428.4     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70595.04   449059.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70595.04   449059.20
  Q Total (cfs)           206224.30    Flow (cfs)              144319.70    9999.04   51905.56
  Top Width (ft)          14428.40    Top Width (ft)          10600.00     400.00    3428.40
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.45    Hydr. Depth (ft)          122.15     176.49     130.98
  Conv. Total (cfs)       449894300.0    Conv. (cfs)            314844600.0   21813670.0   113236000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.23    3496.54
  Min Ch El (ft)            573.43    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20220.67    1191.22    7621.79
  C & E Loss (ft)             0.00    Cum SA (acres)            163.56       6.63      56.91

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1827.18*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.41   10800  573.41   11000     60012513.07  609.12
12815.69  609.5313155.77  633.7213219.17  641.9813351.75  654.6213420.92  657.82
 13743.7  661.48 13824.4  661.0714037.67  668.6814233.65  676.6514429.63     695
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```
Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70600.05   449470.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70600.05   449470.60
  Q Total (cfs)           206224.30    Flow (cfs)              144272.20    9996.80   51955.34
  Top Width (ft)          14429.63    Top Width (ft)          10600.00     400.00    3429.63
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.47    Hydr. Depth (ft)          122.15     176.50     131.06
  Conv. Total (cfs)       450042600.0    Conv. (cfs)            314844600.0   21815970.0   113382000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.23    3497.79
  Min Ch El (ft)            573.41    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20073.53    1183.20    7570.74
  C & E Loss (ft)             0.00    Cum SA (acres)            162.36       6.58      56.52


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1822.23*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.38   10800  573.38   11000     60012513.62  609.08
12816.34  609.5113156.54  633.3113219.97  641.6513352.59  654.5413421.79  657.73
13744.69  661.5413825.42  661.1214038.77  668.5314234.81  676.3614430.86     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70607.54   449883.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70607.54   449883.60
  Q Total (cfs)           206224.30    Flow (cfs)              144224.10    9995.04   52005.17
  Top Width (ft)          14430.86    Top Width (ft)          10600.00     400.00    3430.86
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.50    Hydr. Depth (ft)          122.15     176.52     131.13
  Conv. Total (cfs)       450192600.0    Conv. (cfs)            314844600.0   21819410.0   113528500.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.25    3499.04
  Min Ch El (ft)            573.38    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19926.39    1175.18    7519.64
  C & E Loss (ft)             0.00    Cum SA (acres)            161.15       6.54      56.13


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1817.28*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.36   10800  573.36   11000     60012514.16  609.04
12816.99  609.4913157.32  632.8913220.77  641.3113353.44  654.4613422.66  657.64
13745.68   661.613826.43  661.1614039.86  668.3714235.98  676.07 14432.1     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70612.54   450304.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70612.54   450304.30
  Q Total (cfs)           206224.30    Flow (cfs)              144175.40    9992.72   52056.15
  Top Width (ft)          14432.10    Top Width (ft)          10600.00     400.00    3432.10
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.52    Hydr. Depth (ft)          122.15     176.53     131.20
  Conv. Total (cfs)       450344500.0    Conv. (cfs)            314844600.0   21821710.0   113678200.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.25    3500.30
  Min Ch El (ft)            573.36    Shear (lb/sq ft)            0.00       0.00       0.00
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  Alpha                        1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    19779.25    1167.15    7468.49
  C & E Loss (ft)              0.00    Cum SA (acres)            159.95       6.49      55.74


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1812.33*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.33   10800  573.33   11000     60012514.71  609.01
12817.65  609.4713158.09  632.4813221.57  640.9813354.29  654.3813423.53  657.55
13746.67  661.6713827.45  661.2114040.95  668.2214237.14  675.7814433.33     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                       Flow Area (sq ft)       1294842.00   70620.04   450706.60
  E.G. Slope (ft/ft)       0.000000    Area (sq ft)            1294842.00   70620.04   450706.60
  Q Total (cfs)            206224.30    Flow (cfs)              144128.80    9991.07   52104.39
  Top Width (ft)           14433.33    Top Width (ft)          10600.00     400.00    3433.33
  Vel Total (ft/s)             0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)          186.55    Hydr. Depth (ft)          122.15     176.55     131.27
  Conv. Total (cfs)        450490100.0    Conv. (cfs)            314844600.0   21825150.0   113820300.0
  Length Wtd. (ft)             4.95    Wetted Per. (ft)        10647.64     405.27    3501.56
  Min Ch El (ft)             573.33    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                        1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    19632.11    1159.13    7417.30
  C & E Loss (ft)              0.00    Cum SA (acres)            158.74       6.45      55.35


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1807.38*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.31   10800  573.31   11000     60012515.25  608.97
 12818.3  609.4513158.87  632.0613222.37  640.6513355.13   654.3 13424.4  657.46
13747.65  661.7313828.47  661.2514042.05  668.0714238.31  675.4914434.57     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)             759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                       Flow Area (sq ft)       1294842.00   70625.04   451124.60
  E.G. Slope (ft/ft)       0.000000    Area (sq ft)            1294842.00   70625.04   451124.60
  Q Total (cfs)            206224.30    Flow (cfs)              144080.60    9988.77   52154.89
  Top Width (ft)           14434.57    Top Width (ft)          10600.00     400.00    3434.57
  Vel Total (ft/s)             0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)          186.57    Hydr. Depth (ft)          122.15     176.56     131.35
  Conv. Total (cfs)        450640800.0    Conv. (cfs)            314844600.0   21827440.0   113968800.0
  Length Wtd. (ft)             4.95    Wetted Per. (ft)        10647.64     405.27    3502.83
  Min Ch El (ft)             573.31    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                        1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    19484.97    1151.10    7366.06
  C & E Loss (ft)              0.00    Cum SA (acres)            157.54       6.40      54.96


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1802.43*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.28   10800  573.28   11000     60012515.79  608.93
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12818.95  609.4413159.65  631.6413223.17  640.3113355.98  654.2213425.27  657.37
13748.64  661.7913829.48   661.314043.14  667.9214239.47  675.19 14435.8     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70632.53   451540.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70632.53   451540.10
  Q Total (cfs)           206224.30    Flow (cfs)              144032.30    9987.00   52204.96
  Top Width (ft)          14435.80    Top Width (ft)          10600.00     400.00    3435.80
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.60    Hydr. Depth (ft)          122.15     176.58     131.42
  Conv. Total (cfs)       450791900.0    Conv. (cfs)            314844600.0   21830880.0   114116400.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.29    3504.08
  Min Ch El (ft)            573.28    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19337.83    1143.08    7314.77
  C & E Loss (ft)             0.00    Cum SA (acres)            156.33       6.36      54.57


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1797.48*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.26   10800  573.26   11000   60012516.34   608.9
12819.61  609.4213160.42  631.2313223.96  639.9813356.83  654.1413426.14  657.28
13749.63  661.85 13830.5  661.3414044.23  667.7714240.63   674.914437.04     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70637.54   451947.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70637.54   451947.00
  Q Total (cfs)           206224.30    Flow (cfs)              143985.70    9984.81   52253.83
  Top Width (ft)          14437.04    Top Width (ft)          10600.00     400.00    3437.04
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.62    Hydr. Depth (ft)          122.15     176.59     131.49
  Conv. Total (cfs)       450938100.0    Conv. (cfs)            314844600.0   21833180.0   114260300.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.29    3505.35
  Min Ch El (ft)            573.26    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19190.69    1135.05    7263.44
  C & E Loss (ft)             0.00    Cum SA (acres)            155.13       6.31      54.18


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1792.53*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.23   10800  573.23   11000   60012516.88  608.86
12820.26   609.4 13161.2  630.8113224.76  639.6413357.67  654.0613427.01  657.19
13750.62  661.9113831.52  661.3914045.33  667.61 14241.8  674.6114438.27     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70645.05   452366.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70645.05   452366.30
  Q Total (cfs)           206224.30    Flow (cfs)              143936.90    9983.01   52304.38
  Top Width (ft)          14438.27    Top Width (ft)          10600.00     400.00    3438.27
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.65    Hydr. Depth (ft)          122.15     176.61     131.57
  Conv. Total (cfs)       451090800.0    Conv. (cfs)            314844600.0   21836630.0   114409500.0
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  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.30    3506.62
  Min Ch El (ft)            573.23    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19043.55    1127.02    7212.06
  C & E Loss (ft)             0.00    Cum SA (acres)            153.93       6.27      53.79


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1787.58*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.21   10800  573.21   11000     60012517.43  608.82
12820.92  609.3813161.98   630.413225.56  639.3113358.52  653.9813427.89   657.1
 13751.6  661.9813832.53  661.4314046.42  667.4614242.96  674.3214439.51     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70650.03   452781.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70650.03   452781.10
  Q Total (cfs)           206224.30    Flow (cfs)              143889.30    9980.75   52354.30
  Top Width (ft)          14439.51    Top Width (ft)          10600.00     400.00    3439.51
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.67    Hydr. Depth (ft)          122.15     176.63     131.64
  Conv. Total (cfs)       451240200.0    Conv. (cfs)            314844600.0   21838920.0   114556700.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.31    3507.89
  Min Ch El (ft)            573.21    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18896.41    1119.00    7160.63
  C & E Loss (ft)             0.00    Cum SA (acres)            152.72       6.22      53.39


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1782.63*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.19   10800  573.19   11000     60012517.97  608.79
12821.57  609.3613162.75  629.9813226.36  638.9813359.37  653.8913428.76     657
13752.59  662.0413833.55  661.4814047.51  667.3114244.13  674.0214440.74     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70655.04   453193.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70655.04   453193.50
  Q Total (cfs)           206224.30    Flow (cfs)              143841.90    9978.51   52403.93
  Top Width (ft)          14440.74    Top Width (ft)          10600.00     400.00    3440.74
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.69    Hydr. Depth (ft)          122.15     176.64     131.71
  Conv. Total (cfs)       451388900.0    Conv. (cfs)            314844600.0   21841210.0   114703000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.32    3509.16
  Min Ch El (ft)            573.19    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18749.27    1110.97    7109.15
  C & E Loss (ft)             0.00    Cum SA (acres)            151.52       6.17      53.00


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1777.67*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
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    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.16   10800  573.16   11000     60012518.52  608.75
12822.22  609.3413163.53  629.5613227.16  638.6413360.21  653.8113429.63  656.91
13753.58   662.113834.57  661.5214048.61  667.1614245.29  673.7314441.98     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70662.55   453613.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70662.55   453613.50
  Q Total (cfs)           206224.30    Flow (cfs)              143793.20    9976.71   52454.39
  Top Width (ft)          14441.98    Top Width (ft)          10600.00     400.00    3441.98
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.72    Hydr. Depth (ft)          122.15     176.66     131.79
  Conv. Total (cfs)       451541600.0    Conv. (cfs)            314844600.0   21844660.0   114852300.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.33    3510.44
  Min Ch El (ft)            573.16    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18602.13    1102.94    7057.63
  C & E Loss (ft)             0.00    Cum SA (acres)            150.31       6.13      52.61


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1772.72*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.14   10800  573.14   11000     60012519.06  608.71
12822.88  609.32 13164.3  629.1513227.96  638.3113361.06  653.73 13430.5  656.82
13754.57  662.1613835.58  661.57 14049.7     66714246.46  673.4414443.21     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70667.54   454030.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70667.54   454030.50
  Q Total (cfs)           206224.30    Flow (cfs)              143745.30    9974.43   52504.61
  Top Width (ft)          14443.21    Top Width (ft)          10600.00     400.00    3443.21
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.74    Hydr. Depth (ft)          122.15     176.67     131.86
  Conv. Total (cfs)       451692200.0    Conv. (cfs)            314844600.0   21846950.0   115000600.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.34    3511.71
  Min Ch El (ft)            573.14    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18454.98    1094.91    7006.06
  C & E Loss (ft)             0.00    Cum SA (acres)            149.11       6.08      52.22


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1767.77*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.11   10800  573.11   11000     60012519.61  608.67
12823.53  609.313165.08  628.7313228.76  637.9713361.91  653.6513431.37  656.73
13755.56  662.22 13836.6  661.6114050.79  666.8514247.62  673.1514444.44     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70675.04   454450.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70675.04   454450.20
  Q Total (cfs)           206224.30    Flow (cfs)              143696.60    9972.63   52555.04
  Top Width (ft)          14444.44    Top Width (ft)          10600.00     400.00    3444.44
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
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  Max Chl Dpth (ft)         186.77    Hydr. Depth (ft)          122.15     176.69     131.94
  Conv. Total (cfs)       451845100.0    Conv. (cfs)            314844600.0   21850390.0   115150000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.35    3512.98
  Min Ch El (ft)            573.11    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18307.84    1086.88    6954.44
  C & E Loss (ft)             0.00    Cum SA (acres)            147.90       6.04      51.83


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1762.82*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.09   10800  573.09   11000     60012520.15  608.64
12824.18  609.2813165.86  628.3113229.56  637.6413362.75  653.5713432.24  656.64
13756.54  662.2813837.62  661.6614051.89   666.714248.78  672.8614445.68     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70680.03   454858.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70680.03   454858.90
  Q Total (cfs)           206224.30    Flow (cfs)              143649.90    9970.43   52603.94
  Top Width (ft)          14445.68    Top Width (ft)          10600.00     400.00    3445.68
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.79    Hydr. Depth (ft)          122.15     176.70     132.01
  Conv. Total (cfs)       451992000.0    Conv. (cfs)            314844600.0   21852680.0   115294600.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.36    3514.26
  Min Ch El (ft)            573.09    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18160.70    1078.85    6902.77
  C & E Loss (ft)             0.00    Cum SA (acres)            146.70       5.99      51.44


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1757.87*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.06   10800  573.06   11000     600 12520.7   608.6
12824.84  609.2613166.63   627.913230.36  637.31 13363.6  653.4913433.12  656.55
13757.53  662.3513838.63   661.714052.98  666.5514249.95  672.5614446.91     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70687.54   455276.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70687.54   455276.10
  Q Total (cfs)           206224.30    Flow (cfs)              143601.70    9968.65   52653.93
  Top Width (ft)          14446.91    Top Width (ft)          10600.00     400.00    3446.91
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.82    Hydr. Depth (ft)          122.15     176.72     132.08
  Conv. Total (cfs)       452143700.0    Conv. (cfs)            314844600.0   21856130.0   115443000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.37    3515.54
  Min Ch El (ft)            573.06    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18013.56    1070.81    6851.06
  C & E Loss (ft)             0.00    Cum SA (acres)            145.49       5.95      51.05


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1752.92*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
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    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.04   10800  573.04   11000     60012521.24  608.56
12825.49  609.2413167.41  627.4813231.15  636.9713364.44  653.4113433.99  656.46
13758.52  662.4113839.65  661.7514054.07   666.414251.11  672.2714448.15     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70692.55   455695.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70692.55   455695.30
  Q Total (cfs)           206224.30    Flow (cfs)              143553.70    9966.37   52704.25
  Top Width (ft)          14448.15    Top Width (ft)          10600.00     400.00    3448.15
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.84    Hydr. Depth (ft)          122.15     176.73     132.16
  Conv. Total (cfs)       452295000.0    Conv. (cfs)            314844600.0   21858420.0   115592000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.38    3516.82
  Min Ch El (ft)            573.04    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17866.42    1062.78    6799.30
  C & E Loss (ft)             0.00    Cum SA (acres)            144.29       5.90      50.65


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1747.97*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.01   10800  573.01   11000     60012521.79  608.53
12826.14  609.2213168.18  627.0713231.95  636.6413365.29  653.3313434.86  656.37
13759.51  662.4713840.67  661.7914055.17  666.2414252.27  671.9814449.38     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70700.04   456105.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70700.04   456105.40
  Q Total (cfs)           206224.30    Flow (cfs)              143506.50    9964.65   52753.19
  Top Width (ft)          14449.38    Top Width (ft)          10600.00     400.00    3449.38
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.87    Hydr. Depth (ft)          122.15     176.75     132.23
  Conv. Total (cfs)       452443900.0    Conv. (cfs)            314844600.0   21861860.0   115737400.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.39    3518.10
  Min Ch El (ft)            573.01    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17719.28    1054.75    6747.49
  C & E Loss (ft)             0.00    Cum SA (acres)            143.08       5.86      50.26


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1743.02*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.99   10800  572.99   11000     60012522.33  608.49
 12826.8   609.213168.96  626.6513232.75   636.313366.14  653.2513435.73  656.28
13760.49  662.5313841.68  661.8414056.26  666.0914253.44  671.6914450.62     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70705.04   456525.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70705.04   456525.30
  Q Total (cfs)           206224.30    Flow (cfs)              143458.40    9962.36   52803.55
```

```
  Top Width (ft)          14450.62    Top Width (ft)          10600.00     400.00    3450.62
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.89    Hydr. Depth (ft)          122.15     176.76     132.30
  Conv. Total (cfs)       452595500.0    Conv. (cfs)            314844600.0   21864150.0   115886700.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.40    3519.39
  Min Ch El (ft)            572.99    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17572.14    1046.71    6695.64
  C & E Loss (ft)             0.00    Cum SA (acres)            141.88       5.81      49.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1738.07*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.96   10800  572.96   11000     60012522.88  608.45
12827.45  609.1813169.74  626.2313233.55  635.9713366.98  653.16 13436.6  656.19
13761.48  662.59 13842.7  661.8814057.35  665.94 14254.6   671.414451.85     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70712.53   456945.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70712.53   456945.90
  Q Total (cfs)           206224.30    Flow (cfs)              143409.80    9960.55   52853.93
  Top Width (ft)          14451.85    Top Width (ft)          10600.00     400.00    3451.85
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.92    Hydr. Depth (ft)          122.15     176.78     132.38
  Conv. Total (cfs)       452748800.0    Conv. (cfs)            314844600.0   21867590.0   116036500.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.41    3520.67
  Min Ch El (ft)            572.96    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17425.00    1038.68    6643.74
  C & E Loss (ft)             0.00    Cum SA (acres)            140.68       5.77      49.48


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1733.12*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.94   10800  572.94   11000     60012523.42  608.42
 12828.1  609.1613170.51  625.8213234.35  635.6413367.83  653.0813437.47   656.1
13762.47  662.6513843.72  661.9314058.45  665.7914255.77   671.114453.09     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70717.54   457355.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70717.54   457355.90
  Q Total (cfs)           206224.30    Flow (cfs)              143363.10    9958.36   52902.80
  Top Width (ft)          14453.09    Top Width (ft)          10600.00     400.00    3453.09
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.94    Hydr. Depth (ft)          122.15     176.79     132.45
  Conv. Total (cfs)       452896200.0    Conv. (cfs)            314844600.0   21869890.0   116181600.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.42    3521.97
  Min Ch El (ft)            572.94    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17277.86    1030.64    6591.79
  C & E Loss (ft)             0.00    Cum SA (acres)            139.47       5.72      49.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1728.17*

INPUT
Description:
Station Elevation Data    num=      35
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.91   10800  572.91   11000     60012523.96  608.38
12828.76  609.1413171.29  625.413235.15  635.313368.68     65313438.34  656.01
13763.46  662.7213844.73  661.9714059.54  665.6314256.93  670.8114454.32     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70725.05   457777.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70725.05   457777.10
  Q Total (cfs)           206224.30    Flow (cfs)              143314.60    9956.55   52953.17
  Top Width (ft)          14454.32    Top Width (ft)          10600.00     400.00    3454.32
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.97    Hydr. Depth (ft)          122.15     176.81     132.52
  Conv. Total (cfs)       453049600.0    Conv. (cfs)            314844600.0   21873330.0   116331700.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.43    3523.26
  Min Ch El (ft)            572.91    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17130.72    1022.60    6539.79
  C & E Loss (ft)             0.00    Cum SA (acres)            138.27       5.67      48.69


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1723.22*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.89   10800  572.89   11000     60012524.51  608.34
12829.41  609.1213172.06  624.9813235.95  634.9713369.52  652.9213439.22  655.92
13764.44  662.7813845.75  662.0214060.63  665.4814258.09  670.5214455.56     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70730.04   458196.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70730.04   458196.40
  Q Total (cfs)           206224.30    Flow (cfs)              143266.70    9954.27   53003.31
  Top Width (ft)          14455.56    Top Width (ft)          10600.00     400.00    3455.56
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         186.99    Hydr. Depth (ft)          122.15     176.83     132.60
  Conv. Total (cfs)       453201000.0    Conv. (cfs)            314844600.0   21875620.0   116480700.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.44    3524.55
  Min Ch El (ft)            572.89    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16983.58    1014.57    6487.75
  C & E Loss (ft)             0.00    Cum SA (acres)            137.06       5.63      48.30


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1718.27*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.86   10800  572.86   11000     60012525.05  608.31
12830.07  609.113172.84  624.5713236.75  634.6313370.37  652.8413440.09  655.82
13765.43  662.8413846.77  662.0614061.73  665.3314259.26  670.2314456.79     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70737.54   458608.90
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  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70737.54   458608.90
  Q Total (cfs)           206224.30    Flow (cfs)              143219.40    9952.54   53052.39
  Top Width (ft)          14456.79    Top Width (ft)          10600.00     400.00    3456.79
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.02    Hydr. Depth (ft)          122.15     176.84     132.67
  Conv. Total (cfs)       453350800.0    Conv. (cfs)             314844600.0   21879060.0   116627100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.45    3525.84
  Min Ch El (ft)            572.86    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16836.44    1006.53    6435.66
  C & E Loss (ft)             0.00    Cum SA (acres)            135.86       5.58      47.91


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1713.32*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.84   10800  572.84   11000     600 12525.6  608.27
12830.72  609.0813173.62  624.1513237.55   634.313371.22  652.7613440.96  655.73
13766.42   662.913847.79   662.114062.82  665.1814260.42  669.9314458.02     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70742.53   459031.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70742.53   459031.50
  Q Total (cfs)           206224.30    Flow (cfs)              143171.10    9950.23   53103.00
  Top Width (ft)          14458.02    Top Width (ft)          10600.00     400.00    3458.02
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.04    Hydr. Depth (ft)          122.15     176.86     132.74
  Conv. Total (cfs)       453503700.0    Conv. (cfs)             314844600.0   21881340.0   116777700.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.46    3527.13
  Min Ch El (ft)            572.84    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16689.30     998.49    6383.52
  C & E Loss (ft)             0.00    Cum SA (acres)            134.65       5.54      47.52


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1708.37*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.81   10800  572.81   11000     60012526.14  608.23
12831.37  609.0713174.39  623.7413238.34  633.9713372.06  652.6813441.83  655.64
13767.41  662.96 13848.8  662.1514063.92  665.0214261.59  669.6414459.26     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70750.04   459448.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70750.04   459448.10
  Q Total (cfs)           206224.30    Flow (cfs)              143123.30    9948.47   53152.53
  Top Width (ft)          14459.26    Top Width (ft)          10600.00     400.00    3459.26
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.07    Hydr. Depth (ft)          122.15     176.88     132.82
  Conv. Total (cfs)       453655100.0    Conv. (cfs)             314844600.0   21884790.0   116925700.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.47    3528.44
  Min Ch El (ft)            572.81    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16542.16     990.45    6331.33
  C & E Loss (ft)             0.00    Cum SA (acres)            133.45       5.49      47.12


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1703.42*

INPUT
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Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.79   10800  572.79   11000     60012526.69  608.2
12832.03  609.0513175.17  623.3213239.14  633.6313372.91   652.6 13442.7  655.55
 13768.4  663.0213849.82  662.1914065.01  664.8714262.75  669.3514460.49     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70755.05   459861.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70755.05   459861.10
  Q Total (cfs)           206224.30    Flow (cfs)              143076.30    9946.25   53201.69
  Top Width (ft)          14460.49    Top Width (ft)          10600.00     400.00    3460.49
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.09    Hydr. Depth (ft)          122.15     176.89     132.89
  Conv. Total (cfs)       453804000.0    Conv. (cfs)            314844600.0   21887080.0   117072200.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.48    3529.73
  Min Ch El (ft)            572.79    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16395.02     982.41    6279.10
  C & E Loss (ft)             0.00    Cum SA (acres)            132.24       5.45      46.73


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1698.46*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.77   10800  572.77   11000     60012527.23  608.16
12832.68  609.0313175.94   622.913239.94   633.313373.76  652.5213443.57  655.46
13769.38  663.0913850.83  662.24 14066.1  664.7214263.92  669.0614461.73     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70760.03   460279.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70760.03   460279.50
  Q Total (cfs)           206224.30    Flow (cfs)              143028.80    9943.98   53251.54
  Top Width (ft)          14461.73    Top Width (ft)          10600.00     400.00    3461.73
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.11    Hydr. Depth (ft)          122.15     176.90     132.96
  Conv. Total (cfs)       453954900.0    Conv. (cfs)            314844600.0   21889370.0   117220900.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.49    3531.04
  Min Ch El (ft)            572.77    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16247.87     974.37    6226.82
  C & E Loss (ft)             0.00    Cum SA (acres)            131.04       5.40      46.34


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1693.51*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.74   10800  572.74   11000     60012527.78  608.12
12833.33  609.0113176.72  622.4913240.74  632.96 13374.6  652.4313444.44  655.37
13770.37  663.1513851.85  662.28 14067.2  664.5714265.08  668.7714462.96     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
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  W.S. Elev (ft)            759.88    Reach Len. (ft)            4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70767.54   460700.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70767.54   460700.80
  Q Total (cfs)           206224.30    Flow (cfs)              142980.40    9942.18   53301.70
  Top Width (ft)          14462.96    Top Width (ft)          10600.00     400.00    3462.96
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.14    Hydr. Depth (ft)          122.15     176.92     133.04
  Conv. Total (cfs)       454108500.0    Conv. (cfs)            314844600.0   21892810.0   117371000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.50    3532.34
  Min Ch El (ft)            572.74    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16100.73     966.33    6174.49
  C & E Loss (ft)             0.00    Cum SA (acres)            129.83       5.36      45.94


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1688.56*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.72   10800  572.72   11000     60012528.32  608.09
12833.99  608.99 13177.5  622.0713241.54  632.6313375.45  652.3513445.32  655.28
13771.36  663.2113852.87  662.3314068.29  664.4214266.24  668.47 14464.2     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70772.55   461114.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70772.55   461114.50
  Q Total (cfs)           206224.30    Flow (cfs)              142933.50    9939.96   53350.80
  Top Width (ft)          14464.20    Top Width (ft)          10600.00     400.00    3464.20
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.16    Hydr. Depth (ft)          122.15     176.93     133.11
  Conv. Total (cfs)       454257400.0    Conv. (cfs)            314844600.0   21895100.0   117517600.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.51    3533.65
  Min Ch El (ft)            572.72    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15953.59     958.29    6122.11
  C & E Loss (ft)             0.00    Cum SA (acres)            128.63       5.31      45.55


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1683.61*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.69   10800  572.69   11000     60012528.87  608.05
12834.64  608.9713178.27  621.6513242.34  632.29 13376.3  652.2713446.19  655.19
13772.35  663.2713853.88  662.3714069.38  664.2614267.41  668.1814465.43     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70780.04   461539.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70780.04   461539.30
  Q Total (cfs)           206224.30    Flow (cfs)              142884.80    9938.13   53401.40
  Top Width (ft)          14465.43    Top Width (ft)          10600.00     400.00    3465.43
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.19    Hydr. Depth (ft)          122.15     176.95     133.18
  Conv. Total (cfs)       454412400.0    Conv. (cfs)            314844600.0   21898540.0   117669200.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.52    3534.95
  Min Ch El (ft)            572.69    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15806.45     950.24    6069.69
  C & E Loss (ft)             0.00    Cum SA (acres)            127.43       5.27      45.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1678.66*
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INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.67   10800  572.67   11000     60012529.41  608.01
12835.29  608.9513179.05  621.2413243.14  631.9613377.14  652.1913447.06   655.1
13773.33  663.33 13854.9  662.4214070.48  664.1114268.57  667.8914466.67     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70785.04   461958.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70785.04   461958.30
  Q Total (cfs)           206224.30    Flow (cfs)              142837.20    9935.86   53451.20
  Top Width (ft)          14466.67    Top Width (ft)          10600.00     400.00    3466.67
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)           0.11       0.14       0.12
  Max Chl Dpth (ft)         187.21    Hydr. Depth (ft)          122.15     176.96     133.26
  Conv. Total (cfs)       454563600.0    Conv. (cfs)            314844600.0   21900830.0   117818200.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.53    3536.26
  Min Ch El (ft)            572.67    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15659.31     942.20    6017.22
  C & E Loss (ft)             0.00    Cum SA (acres)            126.22       5.22      44.76


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1673.71*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.64   10800  572.64   11000     60012529.96  607.98
12835.95  608.9313179.82  620.8213243.94  631.6313377.99  652.1113447.93  655.01
13774.32   663.413855.92  662.4614071.57  663.9614269.74   667.6 14467.9     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70792.54   462369.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70792.54   462369.40
  Q Total (cfs)           206224.30    Flow (cfs)              142790.40    9934.16   53499.76
  Top Width (ft)          14467.90    Top Width (ft)          10600.00     400.00    3467.90
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)           0.11       0.14       0.12
  Max Chl Dpth (ft)         187.24    Hydr. Depth (ft)          122.15     176.98     133.33
  Conv. Total (cfs)       454712800.0    Conv. (cfs)            314844600.0   21904260.0   117963900.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.54    3537.57
  Min Ch El (ft)            572.64    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15512.17     934.16    5964.70
  C & E Loss (ft)             0.00    Cum SA (acres)            125.02       5.17      44.37


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1668.76*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.62   10800  572.62   11000     600 12530.5  607.94
 12836.6  608.91 13180.6  620.4113244.74  631.2913378.84  652.03 13448.8  654.92
13775.31  663.4613856.94  662.5114072.66  663.81 14270.9   667.314469.14     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
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```
  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70797.54   462791.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70797.54   462791.70
  Q Total (cfs)           206224.30    Flow (cfs)              142742.50    9931.87   53549.97
  Top Width (ft)          14469.14    Top Width (ft)          10600.00     400.00    3469.14
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.11       0.14       0.12
  Max Chl Dpth (ft)         187.26    Hydr. Depth (ft)          122.15     176.99     133.40
  Conv. Total (cfs)       454865500.0    Conv. (cfs)            314844600.0   21906550.0   118114300.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.55    3538.88
  Min Ch El (ft)            572.62    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15365.02     926.11    5912.13
  C & E Loss (ft)             0.00    Cum SA (acres)            123.81       5.13      43.97


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1663.81*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.59   10800  572.59   11000     60012531.05   607.9
12837.25  608.8913181.38  619.9913245.53  630.9613379.68  651.9513449.67  654.83
 13776.3  663.5213857.95  662.5514073.76  663.6514272.06  667.0114470.37     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70805.03   463215.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70805.03   463215.90
  Q Total (cfs)           206224.30    Flow (cfs)              142693.90    9930.05   53600.34
  Top Width (ft)          14470.37    Top Width (ft)          10600.00     400.00    3470.37
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.11       0.14       0.12
  Max Chl Dpth (ft)         187.29    Hydr. Depth (ft)          122.15     177.01     133.48
  Conv. Total (cfs)       455020200.0    Conv. (cfs)            314844600.0   21909990.0   118265600.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.56    3540.19
  Min Ch El (ft)            572.59    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15217.88     918.07    5859.52
  C & E Loss (ft)             0.00    Cum SA (acres)            122.61       5.08      43.58


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1658.86*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.57   10800  572.57   11000     60012531.59  607.87
12837.91  608.8713182.15  619.5713246.33  630.6213380.53  651.8713450.54  654.73
13777.28  663.5813858.97   662.614074.85   663.514273.23  666.72 14471.6     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70810.04   463631.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70810.04   463631.00
  Q Total (cfs)           206224.30    Flow (cfs)              142647.00    9927.82   53649.52
  Top Width (ft)          14471.60    Top Width (ft)          10600.00     400.00    3471.60
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.11       0.14       0.12
  Max Chl Dpth (ft)         187.31    Hydr. Depth (ft)          122.15     177.03     133.55
  Conv. Total (cfs)       455170000.0    Conv. (cfs)            314844600.0   21912280.0   118413100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.57    3541.50
  Min Ch El (ft)            572.57    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15070.74     910.02    5806.86
  C & E Loss (ft)             0.00    Cum SA (acres)            121.40       5.04      43.18


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 1653.91*

INPUT
Description:
Station Elevation Data     num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.54   10800  572.54   11000     60012532.13  607.83
12838.56  608.8513182.93  619.1613247.13  630.2913381.38  651.7813451.42  654.64
13778.27  663.6413859.99  662.6414075.94  663.3514274.39  666.4314472.84     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70817.55   464053.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70817.55   464053.60
  Q Total (cfs)           206224.30    Flow (cfs)              142598.80    9926.02   53699.53
  Top Width (ft)          14472.84    Top Width (ft)          10600.00     400.00    3472.84
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.34    Hydr. Depth (ft)          122.15     177.04     133.62
  Conv. Total (cfs)       455323900.0    Conv. (cfs)             314844600.0   21915720.0   118563500.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.58    3542.82
  Min Ch El (ft)            572.54    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14923.60     901.97    5754.15
  C & E Loss (ft)             0.00    Cum SA (acres)            120.20       4.99      42.79


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1648.96*

INPUT
Description:
Station Elevation Data     num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.52   10800  572.52   11000     60012532.68  607.79
12839.22  608.83 13183.7  618.7413247.93  629.9613382.22   651.713452.29  654.55
13779.26   663.7   13861  662.6914077.04   663.214275.56  666.1414474.07     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70822.53   464475.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70822.53   464475.10
  Q Total (cfs)           206224.30    Flow (cfs)              142551.00    9923.73   53749.56
  Top Width (ft)          14474.07    Top Width (ft)          10600.00     400.00    3474.07
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.36    Hydr. Depth (ft)          122.15     177.06     133.70
  Conv. Total (cfs)       455476400.0    Conv. (cfs)             314844600.0   21918000.0   118713700.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.59    3544.14
  Min Ch El (ft)            572.52    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14776.46     893.93    5701.39
  C & E Loss (ft)             0.00    Cum SA (acres)            118.99       4.95      42.40


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1644.01*

INPUT
Description:
Station Elevation Data     num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.49   10800  572.49   11000     60012533.22  607.75
12839.87  608.8113184.48  618.3213248.73  629.6213383.07  651.6213453.16  654.46
13780.25  663.7713862.02  662.7314078.13  663.0514276.72  665.8414475.31     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10600   11000             4.95    4.95    4.95             .1       .3
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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70830.04   464900.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70830.04   464900.00
  Q Total (cfs)           206224.30    Flow (cfs)              142502.60    9921.92   53799.82
  Top Width (ft)          14475.31    Top Width (ft)          10600.00     400.00    3475.31
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.39    Hydr. Depth (ft)          122.15     177.08     133.77
  Conv. Total (cfs)       455631200.0    Conv. (cfs)            314844600.0   21921440.0   118865100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.60    3545.47
  Min Ch El (ft)            572.49    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14629.32     885.88    5648.59
  C & E Loss (ft)             0.00    Cum SA (acres)            117.79       4.90      42.00


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1639.06*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.47   10800  572.47   11000     60012533.77  607.72
12840.52  608.7913185.26  617.9113249.53  629.2913383.92  651.5413454.03  654.37
13781.23  663.8313863.04  662.7814079.22  662.8914277.88  665.5514476.54     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70835.05   465312.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70835.05   465312.70
  Q Total (cfs)           206224.30    Flow (cfs)              142456.10    9919.71   53848.52
  Top Width (ft)          14476.54    Top Width (ft)          10600.00     400.00    3476.54
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.41    Hydr. Depth (ft)          122.15     177.09     133.84
  Conv. Total (cfs)       455779900.0    Conv. (cfs)            314844600.0   21923730.0   119011600.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.61    3546.78
  Min Ch El (ft)            572.47    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14482.17     877.83    5595.73
  C & E Loss (ft)             0.00    Cum SA (acres)            116.58       4.86      41.61


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1634.11*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.44   10800  572.44   11000     60012534.31  607.68
12841.18  608.7713186.03  617.4913250.33  628.9513384.76  651.46 13454.9  654.28
13782.22  663.8913864.05  662.8214080.32  662.7414279.05  665.2614477.78     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70842.54   465738.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70842.54   465738.00
  Q Total (cfs)           206224.30    Flow (cfs)              142407.60    9917.89   53898.77
  Top Width (ft)          14477.78    Top Width (ft)          10600.00     400.00    3477.78
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.44    Hydr. Depth (ft)          122.15     177.11     133.92
  Conv. Total (cfs)       455934900.0    Conv. (cfs)            314844600.0   21927160.0   119163100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.62    3548.11
  Min Ch El (ft)            572.44    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14335.03     869.78    5542.83
  C & E Loss (ft)             0.00    Cum SA (acres)            115.38       4.81      41.21


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 1629.16*

INPUT
Description:
Station Elevation Data     num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.42   10800  572.42   11000     60012534.86  607.64
12841.83  608.7513186.81  617.0813251.13  628.6213385.61  651.3813455.77  654.19
13783.21  663.9513865.07  662.8714081.41  662.5914280.21  664.9714479.01     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70847.54   466158.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70847.54   466158.20
  Q Total (cfs)           206224.30    Flow (cfs)              142360.20    9915.62   53948.48
  Top Width (ft)          14479.01    Top Width (ft)          10600.00     400.00    3479.01
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.46    Hydr. Depth (ft)          122.15     177.12     133.99
  Conv. Total (cfs)       456086800.0    Conv. (cfs)            314844600.0   21929450.0   119312800.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.63    3549.43
  Min Ch El (ft)            572.42    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14187.89     861.73    5489.88
  C & E Loss (ft)             0.00    Cum SA (acres)            114.18       4.77      40.82


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1624.21*

INPUT
Description:
Station Elevation Data     num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700   572.4   10800   572.4   11000     600 12535.4  607.61
12842.48  608.7313187.58  616.6613251.92  628.2913386.46   651.313456.64   654.1
 13784.2  664.0113866.08  662.91 14082.5  662.4414281.38  664.6714480.25     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70852.53   466575.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70852.53   466575.70
  Q Total (cfs)           206224.30    Flow (cfs)              142313.20    9913.39   53997.68
  Top Width (ft)          14480.25    Top Width (ft)          10600.00     400.00    3480.25
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.48    Hydr. Depth (ft)          122.15     177.13     134.06
  Conv. Total (cfs)       456237400.0    Conv. (cfs)            314844600.0   21931740.0   119461000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.63    3550.77
  Min Ch El (ft)            572.40    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14040.75     853.68    5436.89
  C & E Loss (ft)             0.00    Cum SA (acres)            112.97       4.72      40.42


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1619.25*

INPUT
Description:
Station Elevation Data     num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.37   10800  572.37   11000     60012535.95  607.57
12843.14  608.7113188.36  616.2413252.72  627.95 13387.3  651.2213457.52  654.01
13785.19  664.07 13867.1  662.96 14083.6  662.2814282.54  664.3814481.48     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70860.04   467001.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70860.04   467001.20
  Q Total (cfs)           206224.30    Flow (cfs)              142264.80    9911.57   54047.93
  Top Width (ft)          14481.48    Top Width (ft)          10600.00     400.00    3481.48
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.51    Hydr. Depth (ft)          122.15     177.15     134.14
  Conv. Total (cfs)       456392700.0    Conv. (cfs)            314844600.0   21935180.0   119612900.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.65    3552.09
  Min Ch El (ft)            572.37    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13893.61     845.62    5383.84
  C & E Loss (ft)             0.00    Cum SA (acres)            111.77       4.67      40.02


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1614.30*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.35   10800  572.35   11000     60012536.49  607.53
12843.79   608.713189.14  615.8313253.52  627.6213388.15  651.1413458.39  653.92
13786.17  664.1413868.12     66314084.69  662.13 14283.7  664.0914482.72     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70865.05   467418.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70865.05   467418.80
  Q Total (cfs)           206224.30    Flow (cfs)              142217.90    9909.33   54097.10
  Top Width (ft)          14482.72    Top Width (ft)          10600.00     400.00    3482.72
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.53    Hydr. Depth (ft)          122.15     177.16     134.21
  Conv. Total (cfs)       456543300.0    Conv. (cfs)            314844600.0   21937470.0   119761200.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.65    3553.42
  Min Ch El (ft)            572.35    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13746.47     837.57    5330.75
  C & E Loss (ft)             0.00    Cum SA (acres)            110.56       4.63      39.63


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1609.35*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.32   10800  572.32   11000     60012537.04  607.5
12844.44  608.6813189.91  615.4113254.32  627.28   13389  651.0513459.26  653.83
13787.16   664.213869.14  663.0514085.79  661.9814284.87   663.814483.95     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70872.54   467834.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70872.54   467834.80
  Q Total (cfs)           206224.30    Flow (cfs)              142170.80    9907.60   54145.93
  Top Width (ft)          14483.95    Top Width (ft)          10600.00     400.00    3483.95
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.56    Hydr. Depth (ft)          122.15     177.18     134.28
  Conv. Total (cfs)       456694600.0    Conv. (cfs)            314844600.0   21940900.0   119909000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.67    3554.75
  Min Ch El (ft)            572.32    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13599.33     829.52    5277.61
  C & E Loss (ft)             0.00    Cum SA (acres)            109.36       4.58      39.23


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1604.40*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700   572.3   10800   572.3   11000     60012537.58  607.46
 12845.1  608.6613190.69  614.9913255.12  626.9513389.84  650.9713460.13  653.74
13788.15  664.2613870.15  663.0914086.88  661.8314286.03  663.5114485.19     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70877.54   468260.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70877.54   468260.00
  Q Total (cfs)           206224.30    Flow (cfs)              142122.90    9905.30   54196.11
  Top Width (ft)          14485.19    Top Width (ft)          10600.00     400.00    3485.19
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.58    Hydr. Depth (ft)          122.15     177.19     134.36
  Conv. Total (cfs)       456848400.0    Conv. (cfs)            314844600.0   21943190.0   120060600.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.67    3556.09
  Min Ch El (ft)            572.30    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13452.18     821.46    5224.43
  C & E Loss (ft)             0.00    Cum SA (acres)            108.15       4.54      38.84


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1599.45*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.27   10800  572.27   11000     60012538.13  607.42
12845.75  608.6413191.46  614.5813255.92  626.6213390.69  650.89   13461  653.65
13789.14  664.3213871.17  663.1314087.97  661.67 14287.2  663.2114486.42     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70885.03   468686.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70885.03   468686.90
  Q Total (cfs)           206224.30    Flow (cfs)              142074.40    9903.46   54246.43
  Top Width (ft)          14486.42    Top Width (ft)          10600.00     400.00    3486.42
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.61    Hydr. Depth (ft)          122.15     177.21     134.43
  Conv. Total (cfs)       457004300.0    Conv. (cfs)            314844600.0   21946620.0   120213000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.69    3557.42
  Min Ch El (ft)            572.27    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13305.04     813.41    5171.19
  C & E Loss (ft)             0.00    Cum SA (acres)            106.95       4.49      38.44


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1594.50*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.25   10800  572.25   11000     60012538.67  607.39
12846.41  608.6213192.24  614.1613256.72  626.2813391.53  650.8113461.87  653.55
13790.12  664.3813872.19  663.1814089.07  661.5214288.36  662.9214487.65     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70890.04   469104.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70890.04   469104.00
  Q Total (cfs)           206224.30    Flow (cfs)              142027.60    9901.24   54295.45
  Top Width (ft)          14487.65    Top Width (ft)          10600.00     400.00    3487.65
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.63    Hydr. Depth (ft)          122.15     177.23     134.50
  Conv. Total (cfs)       457154900.0    Conv. (cfs)            314844600.0   21948910.0   120361300.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.69    3558.76
  Min Ch El (ft)            572.25    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13157.90     805.35    5117.91
  C & E Loss (ft)             0.00    Cum SA (acres)            105.74       4.45      38.04


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1589.55*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.22   10800  572.22   11000     60012539.21  607.35
12847.06   608.613193.02  613.7513257.52  625.9513392.38  650.7313462.75  653.46
13791.11  664.44 13873.2  663.2214090.16  661.3714289.52  662.6314488.89     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70897.55   469528.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70897.55   469528.00
  Q Total (cfs)           206224.30    Flow (cfs)              141979.60    9899.44   54345.23
  Top Width (ft)          14488.89    Top Width (ft)          10600.00     400.00    3488.89
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.66    Hydr. Depth (ft)          122.15     177.24     134.58
  Conv. Total (cfs)       457309400.0    Conv. (cfs)            314844600.0   21952340.0   120512400.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.71    3560.10
  Min Ch El (ft)            572.22    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13010.76     797.30    5064.58
  C & E Loss (ft)             0.00    Cum SA (acres)            104.54       4.40      37.65


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1584.60*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700   572.2   10800   572.2   11000     60012539.76  607.31
12847.71  608.5813193.79  613.3313258.32  625.6113393.23  650.6513463.62  653.37
 13792.1  664.5113874.22  663.2714091.25  661.2214290.69  662.3414490.12     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70902.54   469950.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70902.54   469950.90
  Q Total (cfs)           206224.30    Flow (cfs)              141932.10    9897.16   54395.01
  Top Width (ft)          14490.12    Top Width (ft)          10600.00     400.00    3490.12
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.68    Hydr. Depth (ft)          122.15     177.26     134.65
  Conv. Total (cfs)       457462400.0    Conv. (cfs)            314844600.0   21954630.0   120663100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.72    3561.44
  Min Ch El (ft)            572.20    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12863.62     789.24    5011.20
  C & E Loss (ft)             0.00    Cum SA (acres)            103.33       4.36      37.25
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1579.65*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.17   10800  572.17   11000     600 12540.3  607.28
12848.37  608.5613194.57  612.9113259.11  625.2813394.07  650.5713464.49  653.28
13793.09  664.5713875.24  663.3114092.35  661.0714291.85  662.0514491.36     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70910.04   470367.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70910.04   470367.80
  Q Total (cfs)           206224.30    Flow (cfs)              141885.20    9895.43   54443.68
  Top Width (ft)          14491.36    Top Width (ft)          10600.00     400.00    3491.36
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.71    Hydr. Depth (ft)          122.15     177.28     134.72
  Conv. Total (cfs)       457613800.0    Conv. (cfs)            314844600.0   21958060.0   120811100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.73    3562.79
  Min Ch El (ft)            572.17    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12716.48     781.18    4957.77
  C & E Loss (ft)             0.00    Cum SA (acres)            102.13       4.31      36.85


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1574.70*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.15   10800  572.15   11000     60012540.85  607.24
12849.02  608.5413195.34  612.513259.91  624.9513394.92  650.4913465.36  653.19
13794.07  664.6313876.25  663.3614093.44  660.9114293.02  661.7514492.59     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70915.03   470794.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70915.03   470794.00
  Q Total (cfs)           206224.30    Flow (cfs)              141837.30    9893.12   54493.88
  Top Width (ft)          14492.59    Top Width (ft)          10600.00     400.00    3492.59
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.73    Hydr. Depth (ft)          122.15     177.29     134.80
  Conv. Total (cfs)       457768300.0    Conv. (cfs)            314844600.0   21960340.0   120963300.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.74    3564.12
  Min Ch El (ft)            572.15    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12569.33     773.13    4904.29
  C & E Loss (ft)             0.00    Cum SA (acres)            100.93       4.27      36.46


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1569.75*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.12   10800  572.12   11000     60012541.39  607.2
12849.67  608.5213196.12  612.0813260.71  624.6113395.77  650.4113466.23  653.1
13795.06  664.6913877.27   663.414094.53  660.7614294.18  661.4614493.83     695

Manning's n Values        num=       3
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```
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70922.54   471221.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70922.54   471221.70
  Q Total (cfs)           206224.30    Flow (cfs)              141789.00    9891.30   54544.02
  Top Width (ft)          14493.83    Top Width (ft)          10600.00     400.00    3493.83
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.76    Hydr. Depth (ft)          122.15     177.31     134.87
  Conv. Total (cfs)       457924300.0    Conv. (cfs)            314844600.0   21963780.0   121115900.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.75    3565.48
  Min Ch El (ft)            572.12    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12422.19     765.07    4850.77
  C & E Loss (ft)             0.00    Cum SA (acres)             99.72       4.22      36.06


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1564.80*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700   572.1   10800   572.1   11000     60012541.94  607.17
12850.33   608.5 13196.9  611.6613261.51  624.2813396.61  650.32 13467.1  653.01
13796.05  664.7513878.29  663.4514095.63  660.6114295.34  661.1714495.06     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70927.55   471638.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70927.55   471638.00
  Q Total (cfs)           206224.30    Flow (cfs)              141742.50    9889.08   54592.75
  Top Width (ft)          14495.06    Top Width (ft)          10600.00     400.00    3495.06
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.78    Hydr. Depth (ft)          122.15     177.32     134.94
  Conv. Total (cfs)       458074600.0    Conv. (cfs)            314844600.0   21966070.0   121263800.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.76    3566.82
  Min Ch El (ft)            572.10    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12275.05     757.01    4797.20
  C & E Loss (ft)             0.00    Cum SA (acres)             98.52       4.17      35.66


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1559.85*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.07   10800  572.07   11000     60012542.48  607.13
12850.98  608.4813197.67  611.2513262.31  623.9413397.46  650.2413467.97  652.92
13797.04  664.81 13879.3  663.4914096.72  660.4614296.51  660.88 14496.3     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70935.04   472064.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70935.04   472064.10
  Q Total (cfs)           206224.30    Flow (cfs)              141694.40    9887.27   54642.62
  Top Width (ft)          14496.30    Top Width (ft)          10600.00     400.00    3496.30
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.81    Hydr. Depth (ft)          122.15     177.34     135.02
  Conv. Total (cfs)       458229900.0    Conv. (cfs)            314844600.0   21969500.0   121415800.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.77    3568.17
  Min Ch El (ft)            572.07    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12127.91     748.95    4743.58
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  C & E Loss (ft)             0.00    Cum SA (acres)             97.31       4.13      35.27

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1554.90*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.05   10800  572.05   11000     60012543.03  607.09
12851.63  608.4613198.45  610.8313263.11  623.6113398.31  650.1613468.84  652.83
13798.02  664.8813880.32  663.5414097.81   660.314297.67  660.5814497.53     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70940.04   472491.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70940.04   472491.00
  Q Total (cfs)           206224.30    Flow (cfs)              141646.60    9884.96   54692.74
  Top Width (ft)          14497.53    Top Width (ft)          10600.00     400.00    3497.53
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.83    Hydr. Depth (ft)          122.15     177.35     135.09
  Conv. Total (cfs)       458384600.0    Conv. (cfs)            314844600.0   21971780.0   121568200.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.78    3569.52
  Min Ch El (ft)            572.05    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11980.77     740.89    4689.91
  C & E Loss (ft)             0.00    Cum SA (acres)             96.11       4.08      34.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1549.95*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.02   10800  572.02   11000     60012543.57  607.06
12852.29  608.4413199.22  610.4213263.91  623.2813399.15  650.0813469.72  652.74
13799.01  664.9413881.34  663.5814098.91  660.1514298.84  660.2914498.77     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70947.53   472907.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70947.53   472907.20
  Q Total (cfs)           206224.30    Flow (cfs)              141599.90    9883.25   54741.14
  Top Width (ft)          14498.77    Top Width (ft)          10600.00     400.00    3498.77
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.86    Hydr. Depth (ft)          122.15     177.37     135.16
  Conv. Total (cfs)       458535700.0    Conv. (cfs)            314844600.0   21975210.0   121715900.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10647.64     405.79    3570.88
  Min Ch El (ft)            572.02    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11833.63     732.82    4636.19
  C & E Loss (ft)             0.00    Cum SA (acres)             94.90       4.04      34.47


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1545

INPUT
Description:
Station Elevation Data    num=      30
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700     572   10800     572   11000     600   13200     610
   13400     650   13800     665   14100     660   14300     660   14500     695
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1294842.00   70952.54   473334.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294842.00   70952.54   473334.80
  Q Total (cfs)           206224.30    Flow (cfs)              141552.00    9880.94    54791.31
  Top Width (ft)          14500.00    Top Width (ft)          10600.00     400.00    3500.00
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.88    Hydr. Depth (ft)          122.15     177.38     135.24
  Conv. Total (cfs)       458690800.0    Conv. (cfs)            314844600.0   21977500.0   121868600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10647.64     405.80    3572.23
  Min Ch El (ft)            572.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11686.48     724.76    4582.43
  C & E Loss (ft)             0.00    Cum SA (acres)             93.70       3.99      34.07


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1544.5*

INPUT
Description:
Station Elevation Data    num=      55
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  588.91  680.74  600.02     680  981.51  676.18 1000.03     676
 1275.96  677.84 1300.04     678 1963.02  667.58 2000.06     667 2159.32  669.39
 2200.06     670 2748.23     670 2800.08     670 3729.74  651.41 3800.11     650
 4416.79     650 4500.13  649.99 4514.94  648.51 4600.13     640 4711.25     640
 4800.14  639.99 5103.85  624.81 5200.15     620 5790.91  614.94 5900.17     614
 7655.77     614 7753.92     614 7800.22     614 7900.23     615 8244.68     615
 8400.24  614.99 8400.24     610 9029.89     610 9200.26     610 9618.79  605.11
 9800.28     603 9815.09  602.7710000.29     600 10600.3     60010700.45     572
10800.45     57211000.45     60011417.25  601.912834.34  608.3413001.06  609.09
13201.12  610.0513251.13  620.0513401.18  650.0113667.93  660.01 13801.3  664.99
13834.64  664.4414084.72  660.2814101.39     66014301.45  660.0314501.51     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10600.3     .1511000.45     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10600.311000.45               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1294886.00   70978.69   473447.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294886.00   70978.69   473447.30
  Q Total (cfs)           206224.30    Flow (cfs)              141543.60    9883.69    54797.01
  Top Width (ft)          14501.51    Top Width (ft)          10600.30     400.15    3501.06
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.88    Hydr. Depth (ft)          122.16     177.38     135.23
  Conv. Total (cfs)       458735500.0    Conv. (cfs)            314856500.0   21985770.0   121893200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10647.93     405.94    3573.27
  Min Ch El (ft)            572.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11671.62     723.95    4577.00
  C & E Loss (ft)             0.00    Cum SA (acres)             93.58       3.99      34.03


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1544.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  588.92  680.74  600.03     680  981.54  676.18 1000.06     676
    1276  677.84 1300.07     678 1963.07  667.58 2000.11     667 2159.38  669.39
 2200.13     670  2748.3     670 2800.16     670 3729.84   651.4 3800.22     650
 4416.92     650 4500.26  649.97 4515.07  648.49 4600.26     640 4711.38     640
 4800.27  639.99 5103.99   624.8  5200.3     620 5791.07  614.93 5900.34     614
 7655.99     614 7754.15     614 7800.44     614 7900.45     615 8244.91     615
 8244.91  614.98 8400.48  614.98 8400.48     610 9030.14     610 9200.52  609.99
 9619.07  605.11 9800.56  602.99 9815.37  602.7710000.57     600 10600.6     600
10700.91     57210800.91     57211000.91     60011417.83  601.912835.35  608.34
13002.12  609.0913202.24  610.113252.27  620.0913402.36  650.0213669.18  660.02
 13802.6  664.9913835.95  664.43 14086.1  660.2814102.78     660 14302.9  660.05
14503.02     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10600.6     .1511000.91     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10600.611000.91               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1294941.00   71006.53   473572.30
```

```
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294941.00   71006.53   473572.30
  Q Total (cfs)           206224.30    Flow (cfs)              141533.90    9886.46   54803.93
  Top Width (ft)          14503.02    Top Width (ft)          10600.60     400.31    3502.11
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.88    Hydr. Depth (ft)          122.16     177.38     135.22
  Conv. Total (cfs)       458790800.0    Conv. (cfs)            314873000.0   21994570.0   121923300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10648.24     406.10    3574.31
  Min Ch El (ft)            572.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11656.76     723.13    4571.56
  C & E Loss (ft)             0.00    Cum SA (acres)             93.45       3.98      33.99


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1543.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  588.94  680.74  600.05     680  981.57  676.18 1000.09     676
 1276.04  677.84 1300.11     678 1963.13  667.58 2000.17     667 2159.44  669.39
 2200.19     670 2748.38     670 2800.24     670 3729.95   651.4 3800.32     650
 4417.04     650 4500.38  649.96  4515.2  648.48 4600.39     640 4711.51     640
 4800.41  639.98 5104.14  624.79 5200.44     620 5791.24  614.93  5900.5     614
 7656.21     614 7754.37     614 7800.67     614 7900.68     615 8245.15     615
 8245.15  614.98 8400.72  614.98 8400.72     610  9030.4     610 9200.79  609.99
 9619.34  605.11 9800.84  602.99 9815.65  602.7710000.86     60010600.91     600
10701.36     57210801.36     57211001.36     600 11418.4  601.9112836.35  608.34
13003.17  609.0913203.35  610.15 13253.4  620.1413403.54  650.0213670.44  660.02
 13803.9  664.9813837.26  664.4214087.49  660.2814104.17  660.0114304.35  660.08
14504.53     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510600.91     .1511001.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10600.9111001.36               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1294984.00   71030.82   473690.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1294984.00   71030.82   473690.40
  Q Total (cfs)           206224.30    Flow (cfs)              141524.80    9888.92   54810.54
  Top Width (ft)          14504.53    Top Width (ft)          10600.91     400.45    3503.17
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.88    Hydr. Depth (ft)          122.16     177.38     135.22
  Conv. Total (cfs)       458836900.0    Conv. (cfs)            314884400.0   22002260.0   121950200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10648.54     406.23    3575.35
  Min Ch El (ft)            572.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11641.89     722.32    4566.13
  C & E Loss (ft)             0.00    Cum SA (acres)             93.33       3.98      33.95


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1543.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  588.96  680.74  600.07     680  981.59  676.18 1000.11     676
 1276.07  677.84 1300.15     678 1963.19  667.58 2000.23     667 2159.51  669.39
 2200.25     670 2748.46     670 2800.32  669.99 3730.05   651.4 3800.43     650
 4417.17     650 4500.51  649.95 4515.33  648.47 4600.52     640 4711.65     640
 4800.55  639.97 5104.29  624.79 5200.59  619.99  5791.4  614.93 5900.67     614
 7656.43     614 7754.59  614.01 7800.89  614.01  7900.9     615 8245.38     615
 8245.38  614.97 8400.96  614.97 8400.96     610 9030.66     610 9201.05  609.99
 9619.62   605.1 9801.12  602.98 9815.93  602.7610001.14     60010601.21     600
10701.81  571.9910801.81  571.9911001.81     60011418.98  601.9112837.36  608.34
13004.23   609.113204.47  610.1913254.53  620.1813404.71  650.03 13671.7  660.03
 13805.2  664.9813838.57  664.4214088.87  660.2814105.56  660.01 14305.8  660.11
14506.04     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510601.21     .1511001.81     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10601.2111001.81               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1295037.00   71059.30   473812.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1295037.00   71059.30   473812.90
  Q Total (cfs)           206224.30    Flow (cfs)              141515.30    9891.97   54817.05
  Top Width (ft)          14506.04    Top Width (ft)          10601.21     400.60    3504.23
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.89    Hydr. Depth (ft)          122.16     177.38     135.21
  Conv. Total (cfs)       458890500.0    Conv. (cfs)            314899900.0   22011620.0   121978900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10648.84     406.38    3576.40
  Min Ch El (ft)            571.99    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11627.03     721.50    4560.69
  C & E Loss (ft)             0.00    Cum SA (acres)             93.21       3.97      33.91
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1542.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  588.97  680.74  600.09     680  981.62  676.18 1000.14     676
 1276.11  677.84 1300.19     678 1963.24  667.58 2000.29     667 2159.57  669.39
 2200.31     670 2748.54     670  2800.4  669.99 3730.16   651.4 3800.54     650
  4417.3     650 4500.64  649.94 4515.46  648.45 4600.66     640 4711.78     640
 4800.68  639.97 5104.43  624.78 5200.74  619.99 5791.57  614.93 5900.84     614
 7656.65     614 7754.81  614.01 7801.11  614.01 7901.13     615 8245.62     615
 8245.62  614.96  8401.2  614.96  8401.2     610 9030.92     610 9201.31  609.98
 9619.89   605.1  9801.4  602.98 9816.21  602.7610001.42     60010601.51     600
10702.27  571.9910802.27  571.9911002.27     60011419.56  601.9212838.37  608.35
13005.29   609.113205.59  610.2413255.67  620.2313405.89  650.0413672.96  660.04
 13806.5  664.9713839.88  664.4114090.26  660.2814106.95  660.0114307.25  660.14
14507.55     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510601.51     .1511002.27     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10601.5111002.27               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1295081.00   71087.16   473918.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1295081.00   71087.16   473918.70
  Q Total (cfs)           206224.30    Flow (cfs)              141507.50    9895.00   54821.77
  Top Width (ft)          14507.55    Top Width (ft)          10601.51     400.76    3505.28
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.89    Hydr. Depth (ft)          122.16     177.38     135.20
  Conv. Total (cfs)       458933300.0    Conv. (cfs)            314912000.0   22020420.0   122000800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10649.14     406.53    3577.43
  Min Ch El (ft)            571.99    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11612.16     720.69    4555.25
  C & E Loss (ft)             0.00    Cum SA (acres)             93.09       3.97      33.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1542.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  588.99  680.73   600.1     680  981.65  676.18 1000.17     676
 1276.14  677.84 1300.22     678  1963.3  667.58 2000.34  667.01 2159.63  669.39
 2200.38     670 2748.62     670 2800.48  669.99 3730.27  651.39 3800.65     650
 4417.42     650 4500.77  649.92 4515.59  648.44 4600.79     640 4711.92     640
 4800.82  639.96 5104.58  624.77 5200.89  619.99 5791.73  614.93 5901.01     614
 7656.86     614 7755.03  614.01 7801.33  614.01 7901.35     615 8245.85     615
 8245.85  614.95 8401.44  614.95 8401.44     610 9031.17     610 9201.57  609.98
 9620.16   605.1 9801.68  602.97 9816.49  602.7510001.71     60010601.81     600
10702.72  571.9910802.72  571.9911002.72     60011420.14  601.9212839.38  608.35
13006.34   609.113206.71  610.29 13256.8  620.2713407.07  650.0513674.22  660.05
13807.79  664.9613841.19   664.414091.64  660.2814108.34  660.01 14308.7  660.16
14509.06     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510601.81     .1511002.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10601.8111002.72               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1295134.00   71113.30   474046.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1295134.00   71113.30   474046.00
  Q Total (cfs)           206224.30    Flow (cfs)              141497.60    9897.54   54829.11
  Top Width (ft)          14509.06    Top Width (ft)          10601.81     400.91    3506.34
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.89    Hydr. Depth (ft)          122.16     177.38     135.20
  Conv. Total (cfs)       458987800.0    Conv. (cfs)            314927500.0   22028690.0   122031700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10649.44     406.68    3578.48
  Min Ch El (ft)            571.99    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11597.30     719.87    4549.81
  C & E Loss (ft)             0.00    Cum SA (acres)             92.97       3.97      33.83


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1541.5*

INPUT
Description:
Station Elevation Data    num=      56
```

```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.01  680.73  600.12     680  981.68  676.18  1000.2     676
 1276.18  677.84 1300.26     678 1963.35  667.58  2000.4  667.01 2159.69   669.4
 2200.44     670  2748.7     670 2800.56  669.99 3730.37  651.39 3800.76     650
 4417.55     650  4500.9  649.91 4515.72  648.43 4600.92     640 4712.05     640
 4800.96  639.95 5104.72  624.76 5201.04  619.99  5791.9  614.93 5901.18     614
 7657.08     614 7755.25  614.01 7801.56  614.01 7901.58     615 8246.09     615
 8246.09  614.95 8401.68  614.95 8401.68     610 9031.43     610 9201.84  609.98
 9620.44  605.09 9801.96  602.97 9816.77  602.75   10002     60010602.12     600
10703.17  571.9910803.17  571.9911003.17     60011420.72  601.9312840.38  608.35
 13007.4   609.113207.83  610.3413257.93  620.3213408.25  650.0613675.48  660.05
13809.09  664.96 13842.5   664.414093.03  660.2714109.73  660.0114310.15  660.19
14510.57     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510602.12     .1511003.17     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10602.1211003.17               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1295179.00   71137.59   474162.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1295179.00   71137.59   474162.10
  Q Total (cfs)           206224.30    Flow (cfs)              141489.00    9900.00   54835.32
  Top Width (ft)          14510.57    Top Width (ft)          10602.12     401.05    3507.40
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.89    Hydr. Depth (ft)          122.16     177.38     135.19
  Conv. Total (cfs)       459033900.0    Conv. (cfs)            314939800.0   22036370.0   122057700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10649.75     406.81    3579.52
  Min Ch El (ft)            571.99    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11582.43     719.05    4544.37
  C & E Loss (ft)             0.00    Cum SA (acres)             92.85       3.96      33.79


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1541.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.02  680.73  600.14     680  981.71  676.18 1000.23     676
 1276.22  677.84  1300.3     678 1963.41  667.58 2000.46  667.01 2159.75   669.4
  2200.5     670 2748.77     670 2800.64  669.99 3730.48  651.39 3800.87     650
 4417.67     650 4501.03   649.9 4515.84  648.42 4601.05     640 4712.19     640
 4801.09  639.95 5104.87  624.76 5201.19  619.99 5792.06  614.93 5901.35     614
  7657.3     614 7755.47  614.01 7801.78  614.01  7901.8     615 8246.32     615
 8246.32  614.94 8401.92  614.94 8401.92     610 9031.69     610  9202.1  609.98
 9620.71  605.09 9802.23  602.97 9817.05  602.7410002.28     60010602.42     600
10703.62  571.9910803.62  571.9911003.62     600 11421.3  601.9312841.39  608.35
13008.46   609.113208.94  610.3913259.06  620.3613409.43  650.0713676.74  660.06
13810.39  664.9513843.81  664.3914094.41  660.2714111.12  660.02 14311.6  660.22
14512.08     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510602.42     .1511003.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10602.4211003.62               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1295220.00   71163.74   474286.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1295220.00   71163.74   474286.20
  Q Total (cfs)           206224.30    Flow (cfs)              141478.80    9902.68   54842.83
  Top Width (ft)          14512.08    Top Width (ft)          10602.42     401.20    3508.46
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.89    Hydr. Depth (ft)          122.16     177.38     135.18
  Conv. Total (cfs)       459082000.0    Conv. (cfs)            314950100.0   22044640.0   122087200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10650.05     406.96    3580.57
  Min Ch El (ft)            571.99    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11567.56     718.24    4538.92
  C & E Loss (ft)             0.00    Cum SA (acres)             92.72       3.96      33.75


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1540.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.04  680.73  600.15     680  981.73  676.18 1000.26     676
 1276.25  677.84 1300.33  677.99 1963.47  667.57 2000.51  667.01 2159.81   669.4
 2200.56     670 2748.85     670 2800.72  669.99 3730.59  651.39 3800.97     650
  4417.8     650 4501.15  649.88 4515.97   648.4 4601.18     640 4712.32     640
 4801.23  639.94 5105.01  624.75 5201.33  619.99 5792.23  614.92 5901.51     614
 7657.52     614 7755.69  614.01    7802  614.01 7902.03     615 8246.56     615
 8246.56  614.93 8402.15  614.93 8402.15     610 9031.95     610 9202.36  609.97
 9620.99  605.09 9802.51  602.96 9817.33  602.7410002.57     60010602.72     600
10704.08  571.9910804.08  571.9911004.08     60011421.88  601.94 12842.4  608.36
13009.52   609.113210.06  610.44 13260.2  620.41 13410.6  650.07   13678  660.07
13811.69  664.9513845.12  664.3814095.79  660.2714112.51  660.0214313.05  660.25
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14513.59     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510602.72     .1511004.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10602.7211004.08               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1295278.00   71191.59   474393.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1295278.00   71191.59   474393.00
  Q Total (cfs)           206224.30    Flow (cfs)              141471.70    9905.57   54847.00
  Top Width (ft)          14513.59    Top Width (ft)           10602.72     401.36    3509.51
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.89    Hydr. Depth (ft)           122.16     177.38     135.17
  Conv. Total (cfs)       459131000.0    Conv. (cfs)            314968000.0   22053440.0   122109600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         10650.35     407.11    3581.60
  Min Ch El (ft)            571.99    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11552.70     717.42    4533.48
  C & E Loss (ft)             0.00    Cum SA (acres)             92.60       3.95      33.71


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1540.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.06  680.73  600.17     680  981.76  676.18 1000.29     676
 1276.29  677.84 1300.37  677.99 1963.52  667.57 2000.57  667.01 2159.87   669.4
 2200.63     670 2748.93     670  2800.8  669.98 3730.69  651.39 3801.08     650
 4417.93     650 4501.28  649.87  4516.1  648.39 4601.31     640 4712.45     640
 4801.37  639.93 5105.16  624.74 5201.48  619.99 5792.39  614.92 5901.68     614
 7657.74     614 7755.91  614.02 7802.22  614.02 7902.25     615 8246.79     615
 8246.79  614.92 8402.39  614.92 8402.39     610  9032.2     610 9202.62  609.97
 9621.26  605.09 9802.79  602.96 9817.61  602.7410002.85     60010603.02     600
10704.53  571.9810804.53  571.9811004.53     60011422.46  601.94 12843.4  608.36
13010.57   609.113211.18  610.4813261.33  620.4513411.78  650.0813679.25  660.08
13812.99  664.9413846.42  664.3814097.18  660.27 14113.9  660.02 14314.5  660.27
14515.11     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510603.02     .1511004.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10603.0211004.53               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1295325.00   71220.25   474520.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1295325.00   71220.25   474520.90
  Q Total (cfs)           206224.30    Flow (cfs)              141461.20    9908.65   54854.49
  Top Width (ft)          14515.11    Top Width (ft)           10603.02     401.51    3510.58
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.90    Hydr. Depth (ft)           122.17     177.38     135.17
  Conv. Total (cfs)       459184200.0    Conv. (cfs)            314981000.0   22062860.0   122140400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         10650.64     407.26    3582.66
  Min Ch El (ft)            571.98    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11537.83     716.60    4528.03
  C & E Loss (ft)             0.00    Cum SA (acres)             92.48       3.95      33.67


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1539.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.07  680.73  600.19     680  981.79  676.18 1000.31     676
 1276.33  677.84 1300.41  677.99 1963.58  667.57 2000.63  667.01 2159.94   669.4
 2200.69     670 2749.01     670 2800.88  669.98  3730.8  651.38 3801.19     650
 4418.05     650 4501.41  649.86 4516.23  648.38 4601.44     640 4712.59     640
  4801.5  639.92  5105.3  624.73 5201.63  619.99 5792.56  614.92 5901.85     614
 7657.96     614 7756.13  614.02 7802.45  614.02 7902.48     615 8247.03     615
 8247.03  614.92 8402.63  614.92 8402.63     610 9032.46     610 9202.88  609.97
 9621.53  605.08 9803.07  602.95 9817.89  602.7310003.13     60010603.32     600
10704.99  571.9810804.99  571.9811004.99     60011423.04  601.9512844.41  608.36
13011.63  609.11 13212.3  610.5313262.46   620.513412.96  650.0913680.51  660.08
13814.29  664.9313847.73  664.3714098.56  660.2714115.29  660.0214315.95   660.3
14516.62     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510603.32     .1511004.99     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10603.3211004.99               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
```

```
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1295376.00   71247.93   474634.50
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1295376.00   71247.93   474634.50
  Q Total (cfs)          206224.30    Flow (cfs)              141452.80    9911.52   54859.95
  Top Width (ft)         14516.62    Top Width (ft)          10603.32     401.67    3511.63
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)        187.90    Hydr. Depth (ft)          122.17     177.38     135.16
  Conv. Total (cfs)      459233200.0    Conv. (cfs)            314996000.0   22071610.0   122165600.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10650.94     407.41    3583.69
  Min Ch El (ft)           571.98    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    11522.96     715.78    4522.58
  C & E Loss (ft)            0.00    Cum SA (acres)             92.36       3.94      33.63


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1539.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.09  680.73  600.21     680  981.82  676.18 1000.34     676
 1276.36  677.84 1300.44  677.99 1963.63  667.57 2000.68  667.01    2160   669.4
 2200.75     670 2749.09     670 2800.96  669.98 3730.91  651.38  3801.3     650
 4418.18     650 4501.54  649.85 4516.36  648.36 4601.57     640 4712.72     640
 4801.64  639.92 5105.45  624.73 5201.78  619.98 5792.72  614.92 5902.02     614
 7658.17     614 7756.36  614.02 7802.67  614.02  7902.7     615 8247.26     615
 8247.26  614.91 8402.87  614.91 8402.87     610 9032.72     610 9203.15  609.96
 9621.81  605.08 9803.35  602.95 9818.17  602.7310003.42     60010603.62     600
10705.44  571.9810805.44  571.9811005.44     60011423.62  601.9512845.42  608.36
13012.69  609.1113213.41  610.5813263.59  620.5413414.14   650.113681.77  660.09
13815.59  664.9313849.04  664.3614099.95  660.2714116.68  660.03 14317.4  660.33
14518.13     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510603.62     .1511005.44     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10603.6211005.44               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1295422.00   71274.08   474757.70
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1295422.00   71274.08   474757.70
  Q Total (cfs)          206224.30    Flow (cfs)              141443.10    9914.16   54867.06
  Top Width (ft)         14518.13    Top Width (ft)          10603.62     401.82    3512.69
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)        187.90    Hydr. Depth (ft)          122.17     177.38     135.16
  Conv. Total (cfs)      459283300.0    Conv. (cfs)            315008700.0   22079870.0   122194700.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10651.24     407.56    3584.74
  Min Ch El (ft)           571.98    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    11508.09     714.97    4517.14
  C & E Loss (ft)            0.00    Cum SA (acres)             92.24       3.94      33.59


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1538.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.11  680.73  600.22     680  981.85  676.18 1000.37     676
  1276.4  677.84 1300.48  677.99 1963.69  667.57 2000.74  667.01 2160.06   669.4
 2200.82     670 2749.17     670 2801.04  669.98 3731.01  651.38 3801.41     650
  4418.3     650 4501.67  649.83 4516.49  648.35  4601.7     640 4712.86     640
 4801.78  639.91 5105.59  624.72 5201.93  619.98 5792.89  614.92 5902.19     614
 7658.39     614 7756.58  614.02 7802.89  614.02 7902.93     615  8247.5     615
  8247.5   614.9 8403.11   614.9 8403.11     610 9032.98     610 9203.41  609.96
 9622.08  605.08 9803.63  602.95 9818.45  602.7210003.71     60010603.93     600
10705.89  571.9810805.89  571.9811005.89     60011424.19  601.9512846.42  608.37
13013.75  609.1113214.53  610.6313264.73  620.5913415.32  650.1113683.03   660.1
13816.89  664.9213850.35  664.3614101.33  660.2714118.07  660.0314318.85  660.36
14519.64     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510603.93     .1511005.89     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10603.9311005.89               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1295468.00   71298.37   474872.80
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1295468.00   71298.37   474872.80
  Q Total (cfs)          206224.30    Flow (cfs)              141434.60    9916.61   54873.07
  Top Width (ft)         14519.64    Top Width (ft)          10603.93     401.96    3513.75
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)        187.90    Hydr. Depth (ft)          122.17     177.38     135.15
  Conv. Total (cfs)      459329200.0    Conv. (cfs)            315021300.0   22087550.0   122220400.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10651.55     407.69    3585.78
  Min Ch El (ft)           571.98    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
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  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    11493.22     714.15    4511.69
  C & E Loss (ft)            0.00    Cum SA (acres)             92.12       3.93      33.55


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1538.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.12  680.73  600.24     680  981.87  676.18  1000.4     676
 1276.44  677.84 1300.52  677.99 1963.75  667.57  2000.8  667.01 2160.12   669.4
 2200.88     670 2749.24     670 2801.12  669.98 3731.12  651.38 3801.52     650
 4418.43     650  4501.8  649.82 4516.62  648.34 4601.84     640 4712.99     640
 4801.92   639.9 5105.74  624.71 5202.07  619.98 5793.05  614.92 5902.35     614
 7658.61     614  7756.8  614.02 7803.11  614.02 7903.15     615 8247.73     615
 8247.73  614.89 8403.35  614.89 8403.35     610 9033.23     610 9203.67  609.96
 9622.36  605.07 9803.91  602.94 9818.73  602.7210003.99     60010604.23     600
10706.34  571.9810806.34  571.9811006.34     60011424.77  601.9612847.43  608.37
 13014.8  609.1113215.65  610.6813265.86  620.63 13416.5  650.1113684.29  660.11
13818.19  664.9213851.66  664.3514102.72  660.2714119.46  660.03 14320.3  660.38
14521.15     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510604.23     .1511006.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10604.2311006.34               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1295515.00   71324.34   474992.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1295515.00   71324.34   474992.00
  Q Total (cfs)           206224.30    Flow (cfs)              141425.50    9919.24   54879.52
  Top Width (ft)          14521.15    Top Width (ft)          10604.23     402.11    3514.81
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)           0.11       0.14       0.12
  Max Chl Dpth (ft)        187.90    Hydr. Depth (ft)          122.17     177.38     135.14
  Conv. Total (cfs)       459378100.0    Conv. (cfs)             315034600.0   22095750.0   122247700.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10651.85     407.84    3586.83
  Min Ch El (ft)           571.98    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    11478.35     713.33    4506.23
  C & E Loss (ft)            0.00    Cum SA (acres)             91.99       3.93      33.51


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1537.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.14  680.72  600.26     680   981.9  676.18 1000.43     676
 1276.47  677.84 1300.56  677.99  1963.8  667.57 2000.86  667.01 2160.18   669.4
 2200.94     670 2749.32     670  2801.2  669.98 3731.22  651.38 3801.62     650
 4418.55     650 4501.92  649.81 4516.75  648.33 4601.97     640 4713.13     640
 4802.05   639.9 5105.89  624.71 5202.22  619.98 5793.22  614.92 5902.52     614
 7658.83     614 7757.02  614.02 7803.33  614.02 7903.38     615 8247.97     615
 8247.97  614.89 8403.59  614.89 8403.59     610 9033.49     610 9203.93  609.95
 9622.63  605.07 9804.19  602.94 9819.01  602.7110004.28     60010604.53     600
 10706.8  571.98 10806.8  571.98 11006.8     60011425.35  601.9612848.44  608.37
13015.86  609.1113216.77  610.7313266.99  620.6813417.67  650.1213685.55  660.11
13819.49  664.9113852.97  664.34 14104.1  660.2714120.85  660.0314321.75  660.41
14522.66     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510604.53     .15 11006.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10604.53 11006.8               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1295560.00   71352.20   475116.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1295560.00   71352.20   475116.50
  Q Total (cfs)           206224.30    Flow (cfs)              141415.30    9922.10   54886.88
  Top Width (ft)          14522.66    Top Width (ft)          10604.53     402.27    3515.86
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)           0.11       0.14       0.12
  Max Chl Dpth (ft)        187.90    Hydr. Depth (ft)          122.17     177.37     135.14
  Conv. Total (cfs)       459428800.0    Conv. (cfs)             315046700.0   22104560.0   122277600.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10652.15     407.99    3587.86
  Min Ch El (ft)           571.98    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    11463.48     712.51    4500.78
  C & E Loss (ft)            0.00    Cum SA (acres)             91.87       3.92      33.47


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1537.*
```

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INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.16  680.72  600.27     680  981.93  676.18 1000.46     676
 1276.51  677.84 1300.59  677.99 1963.86  667.57 2000.91  667.01 2160.24   669.4
    2201     670  2749.4     670 2801.28  669.97 3731.33  651.37 3801.73     650
 4418.68     650 4502.05  649.79 4516.87  648.31  4602.1     640 4713.26     640
 4802.19  639.89 5106.03   624.7 5202.37  619.98 5793.38  614.91 5902.69     614
 7659.05     614 7757.24  614.02 7803.56  614.02  7903.6     615  8248.2     615
  8248.2  614.88 8403.83  614.88 8403.83     610 9033.75     610  9204.2  609.95
 9622.91  605.07 9804.47  602.93 9819.29  602.7110004.56     60010604.83     600
10707.25  571.9810807.25  571.9811007.25     60011425.93  601.9712849.45  608.37
13016.92  609.1113217.88  610.7713268.13  620.7313418.85  650.1313686.81  660.12
13820.79   664.913854.28  664.3414105.49  660.2714122.24  660.03 14323.2  660.44
14524.17     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510604.83     .1511007.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10604.8311007.25               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1295618.00   71378.35   475231.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1295618.00   71378.35   475231.30
  Q Total (cfs)           206224.30    Flow (cfs)              141407.40    9924.69   54892.16
  Top Width (ft)          14524.17    Top Width (ft)          10604.83     402.42    3516.92
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.90    Hydr. Depth (ft)          122.17     177.37     135.13
  Conv. Total (cfs)       459480400.0    Conv. (cfs)            315064400.0   22112820.0   122303100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10652.44     408.14    3588.91
  Min Ch El (ft)            571.98    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11448.61     711.69    4495.33
  C & E Loss (ft)             0.00    Cum SA (acres)             91.75       3.92      33.43


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1536.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.17  680.72  600.29     680  981.96  676.18 1000.48     676
 1276.54  677.84 1300.63  677.99 1963.91  667.57 2000.97  667.01 2160.31   669.4
 2201.07     670 2749.48     670 2801.36  669.97 3731.44  651.37 3801.84     650
 4418.81     650 4502.18  649.78    4517   648.3 4602.23     640 4713.39     640
 4802.33  639.88 5106.18  624.69 5202.52  619.98 5793.55  614.91 5902.86     614
 7659.27     614 7757.46  614.03 7803.78  614.03 7903.83     615 8248.44     615
 8248.44  614.87 8404.07  614.87 8404.07     610    9034     610 9204.46  609.95
 9623.18  605.06 9804.75  602.93 9819.57  602.7110004.85     60010605.14     600
 10707.7  571.97 10807.7  571.97 11007.7     60011426.51  601.9712850.45  608.38
13017.98  609.11   13219  610.8213269.26  620.7713420.03  650.1413688.07  660.13
13822.08   664.913855.59  664.3314106.87  660.2714123.62  660.0414324.65  660.47
14525.68     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510605.14     .15 11007.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10605.14 11007.7               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1295664.00   71405.31   475346.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1295664.00   71405.31   475346.50
  Q Total (cfs)           206224.30    Flow (cfs)              141398.60    9927.66   54898.04
  Top Width (ft)          14525.68    Top Width (ft)          10605.14     402.56    3517.98
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.91    Hydr. Depth (ft)          122.17     177.38     135.12
  Conv. Total (cfs)       459527600.0    Conv. (cfs)            315077100.0   22121700.0   122328800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10652.75     408.28    3589.95
  Min Ch El (ft)            571.97    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11433.74     710.87    4489.87
  C & E Loss (ft)             0.00    Cum SA (acres)             91.63       3.91      33.39


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1536.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.19  680.72  600.31     680  981.99  676.18 1000.51     676
 1276.58  677.84 1300.67  677.99 1963.97  667.57 2001.03  667.02 2160.37  669.41
 2201.13     670 2749.56     670 2801.44  669.97 3731.54  651.37 3801.95     650
 4418.93     650 4502.31  649.77 4517.13  648.29 4602.36     640 4713.53     640
 4802.46  639.88 5106.32  624.68 5202.67  619.98 5793.71  614.91 5903.03     614
 7659.48     614 7757.68  614.03    7804  614.03 7904.05     615 8248.67     615
 8248.67  614.86 8404.31  614.86 8404.31     610 9034.26     610 9204.72  609.94
 9623.45  605.06 9805.03  602.92 9819.85   602.710005.13     60010605.44     600
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10708.16  571.9710808.16  571.9711008.16     60011427.09  601.9812851.46  608.38
13019.03  609.1213220.12  610.8713270.39  620.8213421.21  650.1513689.33  660.14
13823.38  664.89 13856.9  664.3214108.26  660.2714125.01  660.04 14326.1  660.49
14527.19     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510605.44     .1511008.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10605.4411008.16               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1295709.00   71432.99   475460.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1295709.00   71432.99   475460.10
  Q Total (cfs)           206224.30    Flow (cfs)              141389.90    9930.59   54903.83
  Top Width (ft)          14527.19    Top Width (ft)          10605.44     402.72    3519.03
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.91    Hydr. Depth (ft)          122.17     177.38     135.11
  Conv. Total (cfs)       459573600.0    Conv. (cfs)            315089200.0   22130440.0   122353900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10653.05     408.43    3590.99
  Min Ch El (ft)            571.97    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11418.87     710.05    4484.42
  C & E Loss (ft)             0.00    Cum SA (acres)             91.51       3.91      33.35


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1535.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.21  680.72  600.32     680  982.01  676.18 1000.54     676
 1276.62  677.84  1300.7  677.99 1964.03  667.57 2001.08  667.02 2160.43  669.41
 2201.19     670 2749.64     670 2801.52  669.97 3731.65  651.37 3802.06     650
 4419.06     650 4502.44  649.76 4517.26  648.27 4602.49     640 4713.66     640
  4802.6  639.87 5106.47  624.68 5202.82  619.98 5793.88  614.91 5903.19     614
  7659.7     614  7757.9  614.03 7804.22  614.03 7904.28     615 8248.91     615
 8248.91  614.86 8404.55  614.86 8404.55     610 9034.52     610 9204.98  609.94
 9623.73  605.06 9805.31  602.92 9820.13   602.710005.42     60010605.74     600
10708.61  571.9710808.61  571.9711008.61     60011427.67  601.9812852.47  608.38
13020.09  609.1213221.24  610.9213271.53  620.8613422.39  650.1513690.58  660.14
13824.68  664.8913858.21  664.3214109.64  660.2714126.41  660.0414327.55  660.52
 14528.7     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510605.74     .1511008.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10605.7411008.61               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1295748.00   71459.15   475587.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1295748.00   71459.15   475587.20
  Q Total (cfs)           206224.30    Flow (cfs)              141379.30    9933.23   54911.78
  Top Width (ft)          14528.70    Top Width (ft)          10605.74     402.87    3520.09
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.91    Hydr. Depth (ft)          122.17     177.38     135.11
  Conv. Total (cfs)       459622800.0    Conv. (cfs)            315099400.0   22138710.0   122384700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10653.35     408.58    3592.03
  Min Ch El (ft)            571.97    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11403.99     709.23    4478.96
  C & E Loss (ft)             0.00    Cum SA (acres)             91.39       3.91      33.31


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1535.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.22  680.72  600.34     680  982.04  676.18 1000.57     676
 1276.65  677.84 1300.74  677.99 1964.08  667.56 2001.14  667.02 2160.49  669.41
 2201.25     670 2749.71     670  2801.6  669.97 3731.76  651.36 3802.17     650
 4419.18     650 4502.56  649.74 4517.39  648.26 4602.62     640  4713.8     640
 4802.74  639.86 5106.61  624.67 5202.96  619.97 5794.04  614.91 5903.36     614
 7659.92     614 7758.12  614.03 7804.45  614.03  7904.5     615 8249.14     615
 8249.14  614.85 8404.79  614.85 8404.79     610 9034.78     610 9205.24  609.94
    9624  605.05 9805.59  602.92 9820.41  602.69 10005.7     60010606.04     600
10709.06  571.9710809.06  571.9711009.06     60011428.25  601.9912853.47  608.38
13021.15  609.1213222.36  610.9713272.66  620.9113423.57  650.1613691.84  660.15
13825.98  664.8813859.52  664.3114111.03  660.2714127.79  660.04   14329  660.55
14530.21     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510606.04     .1511009.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10606.0411009.06               .5      .5      .5             .1       .3
```

```
CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1295808.00   71485.13   475702.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1295808.00   71485.13   475702.20
  Q Total (cfs)           206224.30    Flow (cfs)              141371.50    9935.79   54917.01
  Top Width (ft)          14530.21    Top Width (ft)          10606.04     403.02    3521.15
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.11       0.14       0.12
  Max Chl Dpth (ft)         187.91    Hydr. Depth (ft)          122.18     177.37     135.10
  Conv. Total (cfs)       459675000.0    Conv. (cfs)            315117800.0   22146920.0   122410300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10653.65     408.72    3593.08
  Min Ch El (ft)            571.97    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11389.12     708.41    4473.50
  C & E Loss (ft)             0.00    Cum SA (acres)             91.26       3.90      33.27


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1534.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.24  680.72  600.36     680  982.07  676.18  1000.6     676
 1276.69  677.84 1300.78  677.99 1964.14  667.56  2001.2  667.02 2160.55  669.41
 2201.32     670 2749.79     670 2801.68  669.97 3731.86  651.36 3802.27     650
 4419.31     650 4502.69  649.73 4517.52  648.25 4602.75     640 4713.93     640
 4802.87  639.86 5106.76  624.66 5203.11  619.97 5794.21  614.91 5903.53     614
 7660.14     614 7758.34  614.03 7804.67  614.03 7904.73     615 8249.38     615
 8249.38  614.84 8405.03  614.84 8405.03     610 9035.03     610 9205.51  609.94
 9624.28  605.05 9805.87  602.91 9820.69  602.6910005.99     60010606.34     600
10709.52  571.9710809.52  571.9711009.52     60011428.83  601.9912854.48  608.39
13022.21  609.1213223.47  611.0213273.79  620.9513424.74  650.17 13693.1  660.16
13827.28  664.8713860.83   664.314112.41  660.2714129.18  660.0414330.45  660.58
14531.72     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510606.34     .1511009.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10606.3411009.52               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1295850.00   71512.98   475817.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1295850.00   71512.98   475817.50
  Q Total (cfs)           206224.30    Flow (cfs)              141362.40    9938.74   54923.20
  Top Width (ft)          14531.72    Top Width (ft)          10606.34     403.18    3522.20
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.11       0.14       0.12
  Max Chl Dpth (ft)         187.91    Hydr. Depth (ft)          122.18     177.37     135.09
  Conv. Total (cfs)       459720800.0    Conv. (cfs)            315128800.0   22155720.0   122436300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10653.95     408.87    3594.11
  Min Ch El (ft)            571.97    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11374.25     707.59    4468.04
  C & E Loss (ft)             0.00    Cum SA (acres)             91.14       3.90      33.23


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1534.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.26  680.72  600.38     680   982.1  676.18 1000.63     676
 1276.73  677.84 1300.82  677.99 1964.19  667.56 2001.25  667.02 2160.61  669.41
 2201.38     670 2749.87     670 2801.76  669.96 3731.97  651.36 3802.38     650
 4419.44     650 4502.82  649.72 4517.65  648.24 4602.88     640 4714.07     640
 4803.01  639.85  5106.9  624.65 5203.26  619.97 5794.37  614.91  5903.7     614
 7660.36     614 7758.57  614.03 7804.89  614.03 7904.95     615 8249.61     615
 8249.61  614.83 8405.27  614.83 8405.27     610 9035.29     610 9205.77  609.93
 9624.55  605.05 9806.14  602.91 9820.97  602.6910006.27     60010606.65     600
10709.97  571.9710809.97  571.9711009.97     60011429.41     60212855.49  608.39
13023.26  609.1213224.59  611.0613274.92     62113425.92  650.1813694.36  660.17
13828.58  664.8713862.13   664.3 14113.8  660.2714130.57  660.05 14331.9   660.6
14533.23     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510606.65     .1511009.97     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10606.6511009.97               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1295903.00   71537.27   475932.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1295903.00   71537.27   475932.30
  Q Total (cfs)           206224.30    Flow (cfs)              141354.30    9941.14   54928.81
  Top Width (ft)          14533.23    Top Width (ft)          10606.65     403.32    3523.26
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.11       0.14       0.12
  Max Chl Dpth (ft)         187.91    Hydr. Depth (ft)          122.18     177.37     135.08
  Conv. Total (cfs)       459769100.0    Conv. (cfs)            315144100.0   22163390.0   122461700.0
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  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10654.25     409.01    3595.16
  Min Ch El (ft)           571.97    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    11359.37     706.77    4462.57
  C & E Loss (ft)            0.00    Cum SA (acres)             91.02       3.89      33.19


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1533.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.27  680.71  600.39     680  982.12  676.18 1000.66     676
 1276.76  677.85 1300.85  677.99 1964.25  667.56 2001.31  667.02 2160.67  669.41
 2201.44     670 2749.95     670 2801.84  669.96 3732.07  651.36 3802.49     650
 4419.56     650 4502.95  649.71 4517.77  648.22 4603.02     640  4714.2     640
 4803.15  639.84 5107.05  624.65 5203.41  619.97 5794.54   614.9 5903.87     614
 7660.57     614 7758.79  614.03 7805.11  614.03 7905.18     615 8249.85     615
 8249.85  614.83 8405.51  614.83 8405.51     610 9035.55     610 9206.03  609.93
 9624.82  605.04 9806.42   602.9 9821.25  602.6810006.56     60010606.95     600
10710.42  571.9710810.42  571.9711010.42     60011429.99     602 12856.5  608.39
13024.32  609.1213225.71  611.1113276.06  621.04 13427.1  650.1913695.62  660.17
13829.88  664.8613863.44  664.2914115.18  660.2714131.96  660.0514333.35  660.63
14534.74     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510606.95     .1511010.42     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10606.9511010.42               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1295953.00   71563.42   476059.50
  E.G. Slope (ft/ft)      0.000000   Area (sq ft)            1295953.00   71563.42   476059.50
  Q Total (cfs)           206224.30   Flow (cfs)              141344.40    9943.69   54936.25
  Top Width (ft)          14534.74   Top Width (ft)          10606.95     403.47    3524.32
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)        187.91    Hydr. Depth (ft)          122.18     177.37     135.08
  Conv. Total (cfs)       459822700.0    Conv. (cfs)           315158500.0   22171650.0   122492500.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10654.55     409.15    3596.21
  Min Ch El (ft)           571.97    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    11344.50     705.95    4457.11
  C & E Loss (ft)            0.00    Cum SA (acres)             90.90       3.89      33.15


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1533.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.29  680.71  600.41     680  982.15  676.18 1000.68     676
  1276.8  677.85 1300.89  677.99 1964.31  667.56 2001.37  667.02 2160.74  669.41
  2201.5     670 2750.03     670 2801.92  669.96 3732.18  651.36  3802.6     650
 4419.69     650 4503.08  649.69  4517.9  648.21 4603.15     640 4714.33     640
 4803.28  639.84 5107.19  624.64 5203.56  619.97  5794.7   614.9 5904.04     614
 7660.79     614 7759.01  614.04 7805.34  614.04  7905.4     615 8250.08     615
 8250.08  614.82 8405.75  614.82 8405.75     610 9035.81     610 9206.29  609.93
  9625.1  605.04  9806.7   602.9 9821.53  602.6810006.84     60010607.25     600
10710.88  571.9610810.88  571.9611010.88     60011430.56  602.01 12857.5  608.39
13025.38  609.1213226.83  611.1613277.19  621.0913428.28   650.213696.88  660.18
13831.18  664.8513864.75  664.2814116.57  660.2714133.35  660.05 14334.8  660.66
14536.25     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510607.25     .1511010.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10607.2511010.88               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1295993.00   71593.77   476172.70
  E.G. Slope (ft/ft)      0.000000   Area (sq ft)            1295993.00   71593.77   476172.70
  Q Total (cfs)           206224.30   Flow (cfs)              141335.10    9947.17   54942.06
  Top Width (ft)          14536.25   Top Width (ft)          10607.25     403.63    3525.37
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)        187.92    Hydr. Depth (ft)          122.18     177.37     135.07
  Conv. Total (cfs)       459867900.0    Conv. (cfs)           315168800.0   22181590.0   122517500.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10654.85     409.31    3597.24
  Min Ch El (ft)           571.96    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    11329.62     705.13    4451.65
  C & E Loss (ft)            0.00    Cum SA (acres)             90.78       3.88      33.11


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 1532.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  589.31  680.71  600.43     680  982.18  676.18 1000.71     676
 1276.84  677.85 1300.93  677.99 1964.36  667.56 2001.43  667.02  2160.8  669.41
 2201.57     670 2750.11     670    2802  669.96 3732.29  651.35 3802.71     650
 4419.81     650 4503.21  649.68 4518.03   648.2 4603.28     640 4714.47     640
 4803.42  639.83 5107.34  624.63 5203.71  619.97 5794.87   614.9  5904.2     614
 7661.01     614 7759.23  614.04 7805.56  614.04 7905.63     615 8250.32     615
 8250.32  614.81 8405.99  614.81 8405.99     610 9036.06     610 9206.56  609.92
 9625.37  605.04 9806.98   602.9 9821.81  602.6710007.12     60010607.55     600
10711.33  571.9610811.33  571.9611011.33     60011431.14  602.0112858.51   608.4
13026.43  609.1313227.95  611.2113278.32  621.1313429.46   650.213698.14  660.19
13832.48  664.8513866.06  664.2814117.95  660.2714134.74  660.0514336.25  660.69
14537.76     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1510607.55     .1511011.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10607.5511011.33               .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1296045.00   71619.93   476287.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1296045.00   71619.93   476287.70
  Q Total (cfs)           206224.30    Flow (cfs)              141326.80    9949.81   54947.68
  Top Width (ft)          14537.76    Top Width (ft)          10607.55     403.78    3526.43
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.92    Hydr. Depth (ft)          122.18     177.37     135.06
  Conv. Total (cfs)       459917000.0    Conv. (cfs)            315184000.0   22189850.0   122543100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10655.15     409.46    3598.29
  Min Ch El (ft)            571.96    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11314.74     704.30    4446.18
  C & E Loss (ft)             0.00    Cum SA (acres)             90.66       3.88      33.07


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1532.*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  589.33  680.71  600.44     680  982.21  676.18 1000.74     676
 1276.87  677.85 1300.96  677.98 1964.42  667.56 2001.48  667.02 2160.86  669.41
 2201.63     670 2750.18     670 2802.07  669.96 3732.39  651.35 3802.82     650
 4419.94     650 4503.33  649.67 4518.16  648.18 4603.41     640  4714.6     640
 4803.56  639.82 5107.49  624.63 5203.85  619.97 5795.03   614.9 5904.37     614
 7661.23     614 7759.45  614.04 7805.78  614.04 7905.85     615 8250.55     615
 8250.55   614.8 8406.22   614.8 8406.22     610 9036.32     610 9206.82  609.92
 9625.65  605.03 9807.26  602.89 9822.09  602.6710007.41     60010607.86     600
10711.78  571.9610811.78  571.9611011.78     60011431.72  602.0212859.52   608.4
13027.49  609.1313229.06  611.2613279.46  621.1813430.63  650.21 13699.4   660.2
13833.78  664.8413867.37  664.2714119.33  660.2714136.13  660.05 14337.7  660.71
14539.28     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1510607.86     .1511011.78     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10607.8611011.78               .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1296096.00   71644.21   476405.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1296096.00   71644.21   476405.40
  Q Total (cfs)           206224.30    Flow (cfs)              141318.40    9952.19   54953.73
  Top Width (ft)          14539.28    Top Width (ft)          10607.86     403.92    3527.50
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.92    Hydr. Depth (ft)          122.18     177.37     135.05
  Conv. Total (cfs)       459965700.0    Conv. (cfs)            315198600.0   22197520.0   122569600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10655.46     409.59    3599.34
  Min Ch El (ft)            571.96    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11299.87     703.48    4440.71
  C & E Loss (ft)             0.00    Cum SA (acres)             90.53       3.87      33.03


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1531.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  589.34  680.71  600.46     680  982.24  676.18 1000.77  676.01
 1276.91  677.85    1301  677.98 1964.47  667.56 2001.54  667.02 2160.92  669.41
 2201.69     670 2750.26     670 2802.15  669.96  3732.5  651.35 3802.92     650
 4420.07     650 4503.46  649.65 4518.29  648.17 4603.54     640 4714.74     640
 4803.69  639.82 5107.63  624.62    5204  619.97  5795.2   614.9 5904.54     614
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 7661.45     614 7759.67  614.04    7806  614.04 7906.08     615 8250.79     615
 8250.79   614.8 8406.46   614.8 8406.46     610 9036.58     610 9207.08  609.92
 9625.92  605.03 9807.54  602.89 9822.37  602.66 10007.7     60010608.16     600
10712.24  571.9610812.24  571.9611012.24     600 11432.3  602.0212860.52   608.4
13028.55  609.1313230.18  611.3113280.59  621.2213431.81  650.2213700.66   660.2
13835.08  664.8413868.68  664.2614120.72  660.2714137.52  660.0614339.15  660.74
14540.79     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510608.16     .1511012.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10608.1611012.24               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1296135.00   71672.06   476528.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1296135.00   71672.06   476528.80
  Q Total (cfs)           206224.30    Flow (cfs)              141308.10    9955.09   54961.14
  Top Width (ft)          14540.79    Top Width (ft)          10608.16     404.08    3528.55
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.92    Hydr. Depth (ft)          122.18     177.37     135.05
  Conv. Total (cfs)       460014200.0    Conv. (cfs)             315208800.0   22206320.0   122599000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10655.76     409.75    3600.38
  Min Ch El (ft)            571.96    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11284.99     702.66    4435.24
  C & E Loss (ft)             0.00    Cum SA (acres)             90.41       3.87      32.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1531.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.36  680.71  600.48     680  982.26  676.18  1000.8  676.01
 1276.94  677.85 1301.04  677.98 1964.53  667.56  2001.6  667.02 2160.98  669.41
 2201.76     670 2750.34     670 2802.23  669.96 3732.61  651.35 3803.03     650
 4420.19     650 4503.59  649.64 4518.42  648.16 4603.67     640 4714.87     640
 4803.83  639.81 5107.78  624.61 5204.15  619.96 5795.36   614.9 5904.71     614
 7661.67     614 7759.89  614.04 7806.22  614.04  7906.3     615 8251.02     615
 8251.02  614.79  8406.7  614.79  8406.7     610 9036.84     610 9207.34  609.91
 9626.19  605.03 9807.82  602.88 9822.65  602.6610007.98     60010608.46     600
10712.69  571.9610812.69  571.9611012.69     60011432.88  602.0312861.53   608.4
13029.61  609.13 13231.3  611.3513281.72  621.2713432.99  650.2313701.91  660.21
13836.38  664.8313869.99  664.26 14122.1  660.2714138.91  660.06 14340.6  660.77
 14542.3     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510608.46     .1511012.69     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10608.4611012.69               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1296186.00   71698.22   476643.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1296186.00   71698.22   476643.30
  Q Total (cfs)           206224.30    Flow (cfs)              141299.80    9957.75   54966.75
  Top Width (ft)          14542.30    Top Width (ft)          10608.46     404.23    3529.61
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.92    Hydr. Depth (ft)          122.18     177.37     135.04
  Conv. Total (cfs)       460062300.0    Conv. (cfs)             315223300.0   22214580.0   122624400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10656.05     409.89    3601.43
  Min Ch El (ft)            571.96    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11270.11     701.84    4429.77
  C & E Loss (ft)             0.00    Cum SA (acres)             90.29       3.86      32.94


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1530.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.38  680.71   600.5     680  982.29  676.18 1000.83  676.01
 1276.98  677.85 1301.07  677.98 1964.59  667.56 2001.65  667.02 2161.04  669.42
 2201.82     670 2750.42     670 2802.31  669.95 3732.71  651.35 3803.14     650
 4420.32     650 4503.72  649.63 4518.55  648.15  4603.8     640 4715.01     640
 4803.97   639.8 5107.92   624.6  5204.3  619.96 5795.53   614.9 5904.88     614
 7661.88     614 7760.11  614.04 7806.45  614.04 7906.53     615 8251.26     615
 8251.26  614.78 8406.94  614.78 8406.94     610 9037.09     610  9207.6  609.91
 9626.47  605.02  9808.1  602.88 9822.93  602.6610008.27     60010608.76     600
10713.14  571.9610813.14  571.9611013.14     60011433.46  602.0312862.54  608.41
13030.67  609.1313232.42   611.413282.86  621.3113434.17  650.2413703.17  660.22
13837.67  664.82 13871.3  664.2514123.49  660.27 14140.3  660.0614342.05   660.8
14543.81     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510608.76     .1511013.14     .15
```

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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10608.7611013.14               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1296235.00   71724.20   476760.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1296235.00   71724.20   476760.60
  Q Total (cfs)           206224.30    Flow (cfs)              141291.10    9960.37   54972.79
  Top Width (ft)          14543.81    Top Width (ft)          10608.76     404.38    3530.67
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.92    Hydr. Depth (ft)          122.19     177.37     135.03
  Conv. Total (cfs)       460111300.0    Conv. (cfs)            315237600.0   22222780.0   122650900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10656.35     410.04    3602.47
  Min Ch El (ft)            571.96    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11255.23     701.01    4424.30
  C & E Loss (ft)             0.00    Cum SA (acres)             90.17       3.86      32.90


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1530.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.39  680.71  600.51  679.99  982.32  676.18 1000.86  676.01
 1277.02  677.85 1301.11  677.98 1964.64  667.56 2001.71  667.03 2161.11  669.42
 2201.88     670  2750.5     670 2802.39  669.95 3732.82  651.34 3803.25     650
 4420.44     650 4503.85  649.62 4518.68  648.13 4603.93     640 4715.14     640
  4804.1  639.79 5108.07   624.6 5204.45  619.96 5795.69  614.89 5905.04     614
  7662.1     614 7760.33  614.05 7806.67  614.05 7906.75     615 8251.49     615
 8251.49  614.77 8407.18  614.77 8407.18     610 9037.35     610 9207.87  609.91
 9626.74  605.02 9808.38  602.87 9823.21  602.6510008.55     60010609.06     600
10713.59  571.9510813.59  571.9511013.59     60011434.04  602.0312863.54  608.41
13031.72  609.1313233.54  611.4513283.99  621.3613435.35  650.2413704.43  660.23
13838.97  664.8213872.61  664.2414124.87  660.2714141.69  660.06 14343.5  660.82
14545.32     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510609.06     .1511013.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10609.0611013.59               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1296287.00   71752.88   476887.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1296287.00   71752.88   476887.90
  Q Total (cfs)           206224.30    Flow (cfs)              141280.90    9963.39   54980.00
  Top Width (ft)          14545.32    Top Width (ft)          10609.06     404.53    3531.73
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.93    Hydr. Depth (ft)          122.19     177.37     135.03
  Conv. Total (cfs)       460166600.0    Conv. (cfs)            315252600.0   22232190.0   122681800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10656.65     410.19    3603.52
  Min Ch El (ft)            571.95    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11240.35     700.19    4418.83
  C & E Loss (ft)             0.00    Cum SA (acres)             90.05       3.85      32.86


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1529.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.41  680.71  600.53  679.99  982.35  676.18 1000.88  676.01
 1277.05  677.85 1301.15  677.98  1964.7  667.55 2001.77  667.03 2161.17  669.42
 2201.94     670 2750.58     670 2802.47  669.95 3732.93  651.34 3803.36     650
 4420.57     650 4503.98  649.6  4518.8  648.12 4604.06     640 4715.27     640
 4804.24  639.79 5108.21  624.59 5204.59  619.96 5795.86  614.89 5905.21     614
 7662.32     614 7760.55  614.05 7806.89  614.05 7906.98     615 8251.73     615
 8251.73  614.77 8407.42  614.77 8407.42     610 9037.61     610 9208.13  609.91
 9627.02  605.02 9808.66  602.87 9823.49  602.6510008.84     60010609.37     600
10714.05  571.9510814.05  571.9511014.05     60011434.62  602.0412864.55  608.41
13032.78  609.1313234.65   611.513285.12   621.413436.53  650.2513705.69  660.23
13840.27  664.8113873.92  664.2414126.26  660.2614143.08  660.0714344.96  660.85
14546.83     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510609.37     .1511014.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10609.3711014.05               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1296332.00   71778.86   477003.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1296332.00   71778.86   477003.00
  Q Total (cfs)           206224.30    Flow (cfs)              141272.20    9966.06   54986.05
  Top Width (ft)          14546.83    Top Width (ft)          10609.37     404.68    3532.78
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  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.93    Hydr. Depth (ft)          122.19     177.37     135.02
  Conv. Total (cfs)       460213000.0    Conv. (cfs)            315264900.0   22240400.0   122707600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10656.96     410.33    3604.55
  Min Ch El (ft)            571.95    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11225.47     699.37    4413.35
  C & E Loss (ft)             0.00    Cum SA (acres)             89.92       3.85      32.82


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1529.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.43   680.7  600.55  679.99  982.38  676.18 1000.91  676.01
 1277.09  677.85 1301.19  677.98 1964.75  667.55 2001.82  667.03 2161.23  669.42
 2202.01     670 2750.65     670 2802.55  669.95 3733.03  651.34 3803.47     650
 4420.69     650  4504.1  649.59 4518.93  648.11  4604.2     640 4715.41     640
 4804.38  639.78 5108.36  624.58 5204.74  619.96 5796.02  614.89 5905.38     614
 7662.54     614 7760.78  614.05 7807.11  614.05 7907.21     615 8251.96     615
 8251.96  614.76 8407.66  614.76 8407.66     610 9037.87     610 9208.39   609.9
 9627.29  605.01 9808.94  602.87 9823.77  602.6410009.12     60010609.67     600
 10714.5  571.95 10814.5  571.95 11014.5     600 11435.2  602.0412865.56  608.41
13033.84  609.1313235.77  611.5513286.25  621.45 13437.7  650.2613706.95  660.24
13841.57  664.8113875.23  664.2314127.64  660.2614144.47  660.0714346.41  660.88
14548.34     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510609.67     .15 11014.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10609.67 11014.5               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1296385.00   71805.02   477125.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1296385.00   71805.02   477125.90
  Q Total (cfs)           206224.30    Flow (cfs)              141262.90    9968.62   54992.74
  Top Width (ft)          14548.34    Top Width (ft)          10609.67     404.83    3533.84
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.93    Hydr. Depth (ft)          122.19     177.37     135.02
  Conv. Total (cfs)       460265700.0    Conv. (cfs)            315280400.0   22248660.0   122736600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10657.26     410.48    3605.60
  Min Ch El (ft)            571.95    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11210.59     698.54    4407.88
  C & E Loss (ft)             0.00    Cum SA (acres)             89.80       3.85      32.78


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1528.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.44   680.7  600.56  679.99   982.4  676.18 1000.94  676.01
 1277.13  677.85 1301.22  677.98 1964.81  667.55 2001.88  667.03 2161.29  669.42
 2202.07     670 2750.73     670 2802.63  669.95 3733.14  651.34 3803.57     650
 4420.82     650 4504.23  649.58 4519.06  648.09 4604.33     640 4715.54     640
 4804.51  639.77  5108.5  624.57 5204.89  619.96 5796.19  614.89 5905.55     614
 7662.76     614    7761  614.05 7807.34  614.05 7907.43     615  8252.2     615
  8252.2  614.75  8407.9  614.75  8407.9     610 9038.12     610 9208.65   609.9
 9627.57  605.01 9809.22  602.86 9824.05  602.6410009.41     60010609.97     600
10714.96  571.9510814.96  571.9511014.96     60011435.78  602.0512866.57  608.42
13034.89  609.1413236.89   611.613287.39   621.513438.88  650.2713708.21  660.25
13842.87   664.813876.54  664.2214129.03  660.2614145.86  660.0714347.86  660.91
14549.85     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510609.97     .1511014.96     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10609.9711014.96               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1296430.00   71832.87   477229.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1296430.00   71832.87   477229.30
  Q Total (cfs)           206224.30    Flow (cfs)              141255.60    9971.65   54997.07
  Top Width (ft)          14549.85    Top Width (ft)          10609.97     404.99    3534.89
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.93    Hydr. Depth (ft)          122.19     177.37     135.01
  Conv. Total (cfs)       460307600.0    Conv. (cfs)            315292700.0   22257450.0   122757500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10657.56     410.63    3606.63
  Min Ch El (ft)            571.95    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11195.71     697.72    4402.40
  C & E Loss (ft)             0.00    Cum SA (acres)             89.68       3.84      32.74


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1528.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.46   680.7  600.58  679.99  982.43  676.18 1000.97  676.01
 1277.16  677.85 1301.26  677.98 1964.87  667.55 2001.94  667.03 2161.35  669.42
 2202.13     670 2750.81     670 2802.71  669.95 3733.24  651.34 3803.68     650
 4420.95     650 4504.36  649.56 4519.19  648.08 4604.46     640 4715.68     640
 4804.65  639.77 5108.65  624.57 5205.04  619.96 5796.35  614.89 5905.72     614
 7662.97     614 7761.22  614.05 7807.56  614.05 7907.66     615 8252.43     615
 8252.43  614.74 8408.14  614.74 8408.14     610 9038.38     610 9208.92   609.9
 9627.84  605.01  9809.5  602.86 9824.33  602.6410009.69     60010610.27     600
10715.41  571.9510815.41  571.9511015.41     60011436.35  602.0512867.57  608.42
13035.95  609.1413238.01  611.6413288.52  621.5413440.06  650.2813709.47  660.26
13844.17  664.7913877.84  664.2214130.41  660.2614147.25  660.07 14349.3  660.93
14551.36     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510610.27     .1511015.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10610.2711015.41               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1296469.00   71859.02   477355.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1296469.00   71859.02   477355.90
  Q Total (cfs)           206224.30    Flow (cfs)              141245.10    9974.29   55004.88
  Top Width (ft)          14551.36    Top Width (ft)           10610.27     405.14    3535.95
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.93    Hydr. Depth (ft)           122.19     177.37     135.00
  Conv. Total (cfs)       460356400.0    Conv. (cfs)            315302800.0   22265710.0   122787900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         10657.85     410.78    3607.68
  Min Ch El (ft)            571.95    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11180.83     696.89    4396.92
  C & E Loss (ft)             0.00    Cum SA (acres)             89.56       3.84      32.70


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1527.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.48   680.7   600.6  679.99  982.46  676.18    1001  676.01
  1277.2  677.85  1301.3  677.98 1964.92  667.55    2002  667.03 2161.41  669.42
 2202.19     670 2750.89     670 2802.79  669.94 3733.35  651.33 3803.79     650
 4421.07     650 4504.49  649.55 4519.32  648.07 4604.59     640 4715.81     640
 4804.79  639.76 5108.79  624.56 5205.19  619.96 5796.52  614.89 5905.89     614
 7663.19     614 7761.44  614.05 7807.78  614.05 7907.88     615 8252.67     615
 8252.67  614.74 8408.38  614.74 8408.38     610 9038.64     610 9209.18  609.89
 9628.11  605.01 9809.78  602.85 9824.61  602.6310009.98     60010610.57     600
10715.86  571.9510815.86  571.9511015.86     60011436.93  602.0612868.58  608.42
13037.01  609.1413239.12  611.6913289.65  621.5913441.24  650.2913710.73  660.26
13845.47  664.7913879.15  664.21 14131.8  660.2614148.64  660.0714350.75  660.96
14552.87     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510610.57     .1511015.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10610.5711015.86               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1296526.00   71885.01   477471.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1296526.00   71885.01   477471.70
  Q Total (cfs)           206224.30    Flow (cfs)              141237.00    9976.86   55010.39
  Top Width (ft)          14552.87    Top Width (ft)           10610.57     405.29    3537.01
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.93    Hydr. Depth (ft)           122.19     177.37     134.99
  Conv. Total (cfs)       460407500.0    Conv. (cfs)            315319700.0   22273910.0   122813800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         10658.15     410.92    3608.73
  Min Ch El (ft)            571.95    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11165.95     696.07    4391.44
  C & E Loss (ft)             0.00    Cum SA (acres)             89.44       3.83      32.66


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1527.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.49   680.7  600.62  679.99  982.49  676.18 1001.03  676.01
 1277.24  677.85 1301.33  677.98 1964.98  667.55 2002.05  667.03 2161.47  669.42
```

```
 2202.26     670 2750.97     670 2802.87  669.94 3733.46  651.33  3803.9     650
  4421.2     650 4504.62  649.54 4519.45  648.06 4604.72     640 4715.95     640
 4804.92  639.75 5108.94  624.55 5205.34  619.95 5796.68  614.89 5906.05     614
 7663.41     614 7761.66  614.05    7808  614.05 7908.11     615  8252.9     615
  8252.9  614.73 8408.62  614.73 8408.62     610 9038.89     610 9209.44  609.89
 9628.39     605 9810.06  602.85 9824.88  602.6310010.26     60010610.88     600
10716.31  571.9510816.31  571.9511016.31     60011437.51  602.0612869.59  608.42
13038.07  609.1413240.24  611.7413290.79  621.6313442.42  650.2913711.98  660.27
13846.77  664.7813880.46   664.214133.18  660.2614150.03  660.0814352.21  660.99
14554.38     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510610.88     .1511016.31     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10610.8811016.31               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1296577.00   71909.29   477598.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1296577.00   71909.29   477598.10
  Q Total (cfs)           206224.30    Flow (cfs)              141227.40    9979.15   55017.71
  Top Width (ft)          14554.38    Top Width (ft)          10610.88     405.43    3538.07
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.93    Hydr. Depth (ft)          122.19     177.37     134.99
  Conv. Total (cfs)       460460400.0    Conv. (cfs)           315334500.0   22281570.0   122844300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10658.46     411.05    3609.77
  Min Ch El (ft)            571.95    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11151.07     695.24    4385.96
  C & E Loss (ft)             0.00    Cum SA (acres)             89.32       3.83      32.62


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1526.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.51   680.7  600.63  679.99  982.52  676.17 1001.05  676.01
 1277.27  677.85 1301.37  677.98 1965.03  667.55 2002.11  667.03 2161.54  669.42
 2202.32     670 2751.05     670 2802.95  669.94 3733.56  651.33 3804.01     650
 4421.32     650 4504.75  649.53 4519.58  648.04 4604.85     640 4716.08     640
 4805.06  639.75 5109.09  624.55 5205.48  619.95 5796.85  614.88 5906.22     614
 7663.63     614 7761.88  614.06 7808.23  614.06 7908.33     615 8253.14     615
 8253.14  614.72 8408.86  614.72 8408.86     610 9039.15     610  9209.7  609.89
 9628.66     605 9810.33  602.84 9825.17  602.6210010.55     60010611.18     600
10716.77  571.9410816.77  571.9411016.77     60011438.09  602.0712870.59  608.43
13039.12  609.1413241.36  611.7913291.92  621.6813443.59   650.313713.24  660.28
13848.07  664.7813881.77   664.214134.57  660.2614151.42  660.0814353.66  661.02
14555.89     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510611.18     .1511016.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10611.1811016.77               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1296623.00   71939.67   477700.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1296623.00   71939.67   477700.50
  Q Total (cfs)           206224.30    Flow (cfs)              141219.90    9982.67   55021.73
  Top Width (ft)          14555.89    Top Width (ft)          10611.18     405.59    3539.12
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.94    Hydr. Depth (ft)          122.19     177.37     134.98
  Conv. Total (cfs)       460503300.0    Conv. (cfs)           315347100.0   22291530.0   122864700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10658.76     411.21    3610.81
  Min Ch El (ft)            571.94    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11136.18     694.42    4380.48
  C & E Loss (ft)             0.00    Cum SA (acres)             89.19       3.82      32.58


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1526.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.53   680.7  600.65  679.99  982.54  676.17 1001.08  676.01
 1277.31  677.85 1301.41  677.98 1965.09  667.55 2002.17  667.03  2161.6  669.42
 2202.38     670 2751.12     670 2803.03  669.94 3733.67  651.33 3804.12     650
 4421.45     650 4504.87  649.51  4519.7  648.03 4604.98     640 4716.21     640
  4805.2  639.74 5109.23  624.54 5205.63  619.95 5797.01  614.88 5906.39     614
 7663.85     614  7762.1  614.06 7808.45  614.06 7908.56     615 8253.37     615
 8253.37  614.71  8409.1  614.71  8409.1     610 9039.41     610 9209.96  609.88
 9628.94     605 9810.61  602.84 9825.44  602.6210010.83     60010611.48     600
10717.22  571.9410817.22  571.9411017.22     60011438.67  602.07 12871.6  608.43
13040.18  609.1413242.48  611.8413293.05  621.7213444.77  650.31 13714.5  660.29
13849.37  664.7713883.08  664.1914135.95  660.2614152.81  660.0814355.11  661.04
 14557.4     695

Manning's n Values        num=       3
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     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510611.48     .1511017.22     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10611.4811017.22               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1296669.00   71965.66   477827.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1296669.00   71965.66   477827.50
  Q Total (cfs)           206224.30    Flow (cfs)              141209.80    9985.22   55029.26
  Top Width (ft)          14557.40    Top Width (ft)          10611.48     405.74    3540.18
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.94    Hydr. Depth (ft)          122.20     177.37     134.97
  Conv. Total (cfs)       460555200.0    Conv. (cfs)            315360100.0   22299730.0   122895400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10659.06     411.36    3611.86
  Min Ch El (ft)            571.94    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11121.30     693.59    4374.99
  C & E Loss (ft)             0.00    Cum SA (acres)             89.07       3.82      32.54


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1525.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.54   680.7  600.67  679.99  982.57  676.17 1001.11  676.01
 1277.34  677.85 1301.45  677.98 1965.14  667.55 2002.22  667.03 2161.66  669.42
 2202.45     670  2751.2     670 2803.11  669.94 3733.78  651.32 3804.22     650
 4421.58     650    4505   649.5 4519.83  648.02 4605.11     640 4716.35     640
 4805.34  639.73 5109.38  624.53 5205.78  619.95 5797.18  614.88 5906.56     614
 7664.07     614 7762.32  614.06 7808.67  614.06 7908.78     615 8253.61     615
 8253.61  614.71 8409.34  614.71 8409.34     610 9039.67     610 9210.23  609.88
 9629.21  604.99 9810.89  602.84 9825.72  602.6110011.12     60010611.78     600
10717.67  571.9410817.67  571.9411017.67     60011439.25  602.0812872.61  608.43
13041.24  609.1413243.59  611.8913294.18  621.7713445.95  650.3213715.76  660.29
13850.67  664.7613884.39  664.1814137.34  660.26 14154.2  660.0814356.56  661.07
14558.91     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510611.78     .1511017.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10611.7811017.67               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1296720.00   71991.81   477944.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1296720.00   71991.81   477944.00
  Q Total (cfs)           206224.30    Flow (cfs)              141201.30    9987.85   55035.16
  Top Width (ft)          14558.91    Top Width (ft)          10611.78     405.89    3541.24
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.94    Hydr. Depth (ft)          122.20     177.37     134.97
  Conv. Total (cfs)       460604200.0    Conv. (cfs)            315374600.0   22307980.0   122921600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10659.36     411.50    3612.90
  Min Ch El (ft)            571.94    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11106.42     692.77    4369.51
  C & E Loss (ft)             0.00    Cum SA (acres)             88.95       3.81      32.50


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1525.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.56   680.7  600.68  679.99   982.6  676.17 1001.14  676.01
 1277.38  677.85 1301.48  677.98  1965.2  667.55 2002.28  667.03 2161.72  669.43
 2202.51     670 2751.28     670 2803.19  669.94 3733.88  651.32 3804.33     650
  4421.7     650 4505.13  649.49 4519.96     648 4605.24     640 4716.48     640
 4805.47  639.73 5109.52  624.52 5205.93  619.95 5797.34  614.88 5906.73     614
 7664.28     614 7762.54  614.06 7808.89  614.06 7909.01     615 8253.84     615
 8253.84   614.7 8409.58   614.7 8409.58     610 9039.92     610 9210.49  609.88
 9629.48  604.99 9811.17  602.83    9826  602.61 10011.4     60010612.08     600
10718.13  571.9410818.13  571.9411018.13     60011439.83  602.0812873.62  608.43
 13042.3  609.1513244.71  611.9313295.32  621.8113447.13  650.3313717.02   660.3
13851.96  664.76 13885.7  664.1814138.72  660.2614155.59  660.0814358.01   661.1
14560.42     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510612.08     .1511018.13     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10612.0811018.13               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1296762.00   72019.66   478064.60
```

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  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1296762.00   72019.66   478064.60
  Q Total (cfs)           206224.30    Flow (cfs)              141191.50    9990.75   55042.02
  Top Width (ft)          14560.42    Top Width (ft)          10612.08     406.05    3542.29
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.94    Hydr. Depth (ft)          122.20     177.37     134.96
  Conv. Total (cfs)       460652200.0    Conv. (cfs)            315385700.0   22316770.0   122949800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10659.66     411.66    3613.94
  Min Ch El (ft)            571.94    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11091.53     691.94    4364.02
  C & E Loss (ft)             0.00    Cum SA (acres)             88.83       3.81      32.46


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1524.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.58  680.69   600.7  679.99  982.63  676.17 1001.17  676.01
 1277.42  677.85 1301.52  677.98 1965.26  667.55 2002.34  667.04 2161.78  669.43
 2202.57     670 2751.36     670 2803.27  669.93 3733.99  651.32 3804.44     650
 4421.83     650 4505.26  649.47 4520.09  647.99 4605.38     640 4716.62     640
 4805.61  639.72 5109.67  624.52 5206.08  619.95 5797.51  614.88 5906.89     614
  7664.5     614 7762.76  614.06 7809.11  614.06 7909.23     615 8254.08     615
 8254.08  614.69 8409.82  614.69 8409.82     610 9040.18     610 9210.75  609.87
 9629.76  604.99 9811.45  602.83 9826.28  602.6110011.69     60010612.39     600
10718.58  571.9410818.58  571.9411018.58     60011440.41  602.0912874.62  608.44
13043.35  609.1513245.83  611.9813296.45  621.8613448.31  650.3313718.28  660.31
13853.26  664.7513887.01  664.1714140.11  660.2614156.98  660.0914359.46  661.13
14561.93     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510612.39     .1511018.58     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10612.3911018.58               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1296814.00   72044.13   478172.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1296814.00   72044.13   478172.10
  Q Total (cfs)           206224.30    Flow (cfs)              141184.50    9993.22   55046.62
  Top Width (ft)          14561.93    Top Width (ft)          10612.39     406.19    3543.35
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.94    Hydr. Depth (ft)          122.20     177.37     134.95
  Conv. Total (cfs)       460697600.0    Conv. (cfs)            315401000.0   22324490.0   122972200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10659.96     411.79    3614.98
  Min Ch El (ft)            571.94    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11076.65     691.11    4358.53
  C & E Loss (ft)             0.00    Cum SA (acres)             88.71       3.80      32.42


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1524.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.59  680.69  600.72  679.99  982.66  676.17  1001.2  676.01
 1277.45  677.85 1301.56  677.98 1965.31  667.55 2002.39  667.04 2161.84  669.43
 2202.63     670 2751.44     670 2803.35  669.93 3734.09  651.32 3804.55     650
 4421.95     650 4505.39  649.46 4520.22  647.98 4605.51     640 4716.75     640
 4805.75  639.71 5109.81  624.51 5206.22  619.95 5797.67  614.88 5907.06     614
 7664.72     614 7762.99  614.06 7809.34  614.06 7909.46     615 8254.31     615
 8254.31  614.68 8410.06  614.68 8410.06     610 9040.44     610 9211.01  609.87
 9630.03  604.98 9811.73  602.82 9826.56   602.610011.97     60010612.69     600
10719.03  571.9410819.03  571.9411019.03     60011440.99  602.0912875.63  608.44
13044.41  609.1513246.95  612.0313297.58   621.913449.49  650.3413719.54  660.32
13854.56  664.7513888.32  664.1614141.49  660.2614158.37  660.0914360.91  661.15
14563.44     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510612.69     .1511019.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10612.6911019.03               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1296863.00   72070.11   478298.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1296863.00   72070.11   478298.10
  Q Total (cfs)           206224.30    Flow (cfs)              141174.60    9995.76   55053.91
  Top Width (ft)          14563.44    Top Width (ft)          10612.69     406.34    3544.41
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.94    Hydr. Depth (ft)          122.20     177.36     134.94
  Conv. Total (cfs)       460749900.0    Conv. (cfs)            315414800.0   22332690.0   123002400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10660.26     411.94    3616.03
  Min Ch El (ft)            571.94    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11061.76     690.29    4353.04
  C & E Loss (ft)             0.00    Cum SA (acres)             88.58       3.80      32.38
```

```
Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1523.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.61  680.69  600.74  679.99  982.68  676.17 1001.23  676.01
 1277.49  677.85 1301.59  677.97 1965.37  667.54 2002.45  667.04 2161.91  669.43
  2202.7     670 2751.52     670 2803.43  669.93  3734.2  651.32 3804.66     650
 4422.08     650 4505.52  649.45 4520.35  647.97 4605.64     640 4716.89     640
 4805.88  639.71 5109.96   624.5 5206.37  619.95 5797.84  614.88 5907.23     614
 7664.94     614 7763.21  614.06 7809.56  614.06 7909.68     615 8254.55     615
 8254.55  614.68 8410.29  614.68 8410.29     610  9040.7     610 9211.28  609.87
 9630.31  604.98 9812.01  602.82 9826.84   602.610012.26     60010612.99     600
10719.49  571.9410819.49  571.9411019.49     60011441.57   602.112876.64  608.44
13045.47  609.1513248.07  612.0813298.72  621.9513450.67  650.35 13720.8  660.32
13855.86  664.7413889.63  664.1614142.88  660.2614159.76  660.0914362.36  661.18
14564.96     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510612.99     .1511019.49     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10612.9911019.49               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1296909.00   72097.96   478412.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1296909.00   72097.96   478412.70
  Q Total (cfs)           206224.30    Flow (cfs)              141166.00    9998.66   55059.66
  Top Width (ft)          14564.96    Top Width (ft)          10612.99     406.50    3545.47
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.94    Hydr. Depth (ft)          122.20     177.36     134.94
  Conv. Total (cfs)       460797000.0    Conv. (cfs)            315427700.0   22341470.0   123027800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10660.56     412.09    3617.08
  Min Ch El (ft)            571.94    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11046.88     689.46    4347.55
  C & E Loss (ft)             0.00    Cum SA (acres)             88.46       3.79      32.34


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1523.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.63  680.69  600.75  679.99  982.71  676.17 1001.25  676.01
 1277.53  677.85 1301.63  677.97 1965.42  667.54 2002.51  667.04 2161.97  669.43
 2202.76     670 2751.59     670 2803.51  669.93 3734.31  651.31 3804.77     650
 4422.21     650 4505.64  649.44 4520.48  647.95 4605.77     640 4717.02     640
 4806.02   639.7  5110.1  624.49 5206.52  619.94    5798  614.87  5907.4     614
 7665.16     614 7763.43  614.07 7809.78  614.07 7909.91     615 8254.78     615
 8254.78  614.67 8410.53  614.67 8410.53     610 9040.95     610 9211.54  609.87
 9630.58  604.98 9812.29  602.82 9827.12  602.5910012.54     60010613.29     600
10719.94  571.9310819.94  571.9311019.94     60011442.15   602.112877.64  608.44
13046.53  609.1513249.18  612.1313299.85  621.9913451.84  650.3613722.05  660.33
13857.16  664.7313890.94  664.1514144.26  660.2614161.15  660.0914363.81  661.21
14566.46     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510613.29     .1511019.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10613.2911019.94               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1296964.00   72126.66   478536.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1296964.00   72126.66   478536.30
  Q Total (cfs)           206224.30    Flow (cfs)              141156.40   10001.68   55066.24
  Top Width (ft)          14566.46    Top Width (ft)          10613.29     406.65    3546.52
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.95    Hydr. Depth (ft)          122.20     177.37     134.93
  Conv. Total (cfs)       460852400.0    Conv. (cfs)            315444200.0   22350890.0   123057300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10660.86     412.24    3618.11
  Min Ch El (ft)            571.93    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11031.99     688.63    4342.06
  C & E Loss (ft)             0.00    Cum SA (acres)             88.34       3.79      32.29


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1522.5*

INPUT
Description:
Station Elevation Data    num=      56
```

```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.64  680.69  600.77  679.99  982.74  676.17 1001.28  676.01
 1277.56  677.85 1301.67  677.97 1965.48  667.54 2002.57  667.04 2162.03  669.43
 2202.82     670 2751.67     670 2803.59  669.93 3734.41  651.31 3804.87     650
 4422.33     650 4505.77  649.42 4520.61  647.94  4605.9     640 4717.15     640
 4806.16  639.69 5110.25  624.49 5206.67  619.94 5798.17  614.87 5907.57     614
 7665.37     614 7763.65  614.07    7810  614.07 7910.13     615 8255.02     615
 8255.02  614.66 8410.77  614.66 8410.77     610 9041.21     610  9211.8  609.86
 9630.85  604.97 9812.57  602.81  9827.4  602.5910012.83     60010613.59     600
10720.39  571.9310820.39  571.9311020.39     60011442.72  602.1112878.65  608.45
13047.58  609.15 13250.3  612.1813300.98  622.0413453.02  650.3713723.31  660.34
13858.46  664.7313892.25  664.1414145.64  660.2614162.54   660.114365.26  661.24
14567.98     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510613.59     .1511020.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10613.5911020.39               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1297013.00   72152.64   478641.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1297013.00   72152.64   478641.80
  Q Total (cfs)           206224.30    Flow (cfs)              141149.30   10004.41   55070.59
  Top Width (ft)          14567.98    Top Width (ft)          10613.59     406.80    3547.59
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.95    Hydr. Depth (ft)          122.20     177.37     134.92
  Conv. Total (cfs)       460895500.0    Conv. (cfs)             315457900.0   22359090.0   123078500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10661.16     412.39    3619.17
  Min Ch El (ft)            571.93    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11017.10     687.80    4336.57
  C & E Loss (ft)             0.00    Cum SA (acres)             88.22       3.78      32.25


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1522.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.66  680.69  600.79  679.99  982.77  676.17 1001.31  676.01
  1277.6  677.85  1301.7  677.97 1965.54  667.54 2002.62  667.04 2162.09  669.43
 2202.88     670 2751.75     670 2803.67  669.93 3734.52  651.31 3804.98     650
 4422.46     650  4505.9  649.41 4520.73  647.93 4606.03     640 4717.29     640
 4806.29  639.69  5110.4  624.48 5206.82  619.94 5798.33  614.87 5907.74     614
 7665.59     614 7763.87  614.07 7810.23  614.07 7910.36     615 8255.25     615
 8255.25  614.65 8411.01  614.65 8411.01     610 9041.47     610 9212.06  609.86
 9631.13  604.97 9812.85  602.81 9827.68  602.5810013.11     600 10613.9     600
10720.85  571.9310820.85  571.9311020.85     600 11443.3  602.1112879.66  608.45
13048.64  609.1513251.42  612.2213302.12  622.08 13454.2  650.3813724.57  660.35
13859.76  664.7213893.55  664.1414147.03  660.2614163.93   660.114366.71  661.26
14569.49     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10613.9     .1511020.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10613.911020.85               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1297057.00   72178.63   478767.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1297057.00   72178.63   478767.10
  Q Total (cfs)           206224.30    Flow (cfs)              141139.20   10006.99   55078.09
  Top Width (ft)          14569.49    Top Width (ft)          10613.90     406.95    3548.64
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.95    Hydr. Depth (ft)          122.20     177.37     134.92
  Conv. Total (cfs)       460945600.0    Conv. (cfs)             315469700.0   22367290.0   123108700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10661.46     412.53    3620.21
  Min Ch El (ft)            571.93    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11002.21     686.97    4331.07
  C & E Loss (ft)             0.00    Cum SA (acres)             88.10       3.78      32.21


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1521.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.68  680.69   600.8  679.99   982.8  676.17 1001.34  676.01
 1277.64  677.85 1301.74  677.97 1965.59  667.54 2002.68  667.04 2162.15  669.43
 2202.95     670 2751.83     670 2803.75  669.92 3734.63  651.31 3805.09     650
 4422.58     650 4506.03   649.4 4520.86  647.91 4606.16     640 4717.42     640
 4806.43  639.68 5110.54  624.47 5206.97  619.94  5798.5  614.87  5907.9     614
 7665.81     614 7764.09  614.07 7810.45  614.07 7910.58     615 8255.49     615
 8255.49  614.65 8411.25  614.65 8411.25     610 9041.73     610 9212.32  609.86
  9631.4  604.97 9813.13   602.8 9827.96  602.58 10013.4     600 10614.2     600
 10721.3  571.93 10821.3  571.93 11021.3     60011443.88  602.1112880.66  608.45
 13049.7  609.1613252.54  612.2713303.25  622.1313455.38  650.3813725.83  660.35
13861.06  664.7213894.86  664.1314148.41  660.2614165.32   660.114368.16  661.29
```

```
   14571     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10614.2     .15 11021.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10614.2 11021.3               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1297104.00   72204.78   478892.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1297104.00   72204.78   478892.20
  Q Total (cfs)           206224.30    Flow (cfs)              141129.40   10009.56   55085.31
  Top Width (ft)          14571.00    Top Width (ft)          10614.20     407.10    3549.70
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.95    Hydr. Depth (ft)          122.20     177.36     134.91
  Conv. Total (cfs)       460997200.0    Conv. (cfs)            315483000.0   22375540.0   123138600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10661.76     412.68    3621.25
  Min Ch El (ft)            571.93    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10987.33     686.15    4325.58
  C & E Loss (ft)             0.00    Cum SA (acres)             87.98       3.78      32.17


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1521.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.69  680.69  600.82  679.99  982.82  676.17 1001.37  676.01
 1277.67  677.85 1301.78  677.97 1965.65  667.54 2002.74  667.04 2162.21  669.43
 2203.01     670 2751.91     670 2803.83  669.92 3734.73  651.31  3805.2     650
 4422.71     650 4506.16  649.38 4520.99   647.9 4606.29     640 4717.56     640
 4806.57  639.67 5110.69  624.47 5207.11  619.94 5798.66  614.87 5908.07     614
 7666.03     614 7764.31  614.07 7810.67  614.07 7910.81     615 8255.72     615
 8255.72  614.64 8411.49  614.64 8411.49     610 9041.98     610 9212.59  609.85
 9631.68  604.96 9813.41   602.8 9828.24  602.5810013.68     600 10614.5     600
10721.75  571.9310821.75  571.9311021.75     60011444.46  602.1212881.67  608.45
13050.75  609.1613253.66  612.3213304.38  622.1813456.56  650.3913727.09  660.36
13862.36  664.7113896.17  664.12 14149.8  660.2614166.71   660.114369.61  661.32
14572.51     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10614.5     .1511021.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10614.511021.75               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1297152.00   72230.94   479006.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1297152.00   72230.94   479006.60
  Q Total (cfs)           206224.30    Flow (cfs)              141121.00   10012.23   55091.02
  Top Width (ft)          14572.51    Top Width (ft)          10614.50     407.25    3550.76
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.12
  Max Chl Dpth (ft)         187.95    Hydr. Depth (ft)          122.21     177.36     134.90
  Conv. Total (cfs)       461044300.0    Conv. (cfs)            315496600.0   22383790.0   123164000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10662.06     412.82    3622.30
  Min Ch El (ft)            571.93    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10972.44     685.32    4320.08
  C & E Loss (ft)             0.00    Cum SA (acres)             87.85       3.77      32.13


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1520.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.71  680.69  600.84  679.99  982.85  676.17  1001.4  676.01
 1277.71  677.85 1301.82  677.97  1965.7  667.54 2002.79  667.04 2162.27  669.43
 2203.07     670 2751.99     670 2803.91  669.92 3734.84   651.3 3805.31     650
 4422.83     650 4506.28  649.37 4521.12  647.89 4606.42     640 4717.69     640
  4806.7  639.66 5110.83  624.46 5207.26  619.94 5798.83  614.87 5908.24     614
 7666.25     614 7764.53  614.07 7810.89  614.07 7911.03     615 8255.96     615
 8255.96  614.63 8411.73  614.63 8411.73     610 9042.24     610 9212.85  609.85
 9631.95  604.96 9813.69  602.79 9828.52  602.5710013.97     600 10614.8     600
10722.21  571.9310822.21  571.9311022.21     60011445.04  602.1212882.68  608.46
13051.81  609.1613254.77  612.3713305.51  622.2213457.73   650.413728.35  660.37
13863.66   664.713897.48  664.1214151.18  660.26 14168.1   660.114371.06  661.35
14574.02     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10614.8     .1511022.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10614.811022.21               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
```

```
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1297202.00   72258.79   479120.10
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1297202.00   72258.79   479120.10
  Q Total (cfs)          206224.30    Flow (cfs)              141112.70   10015.11   55096.50
  Top Width (ft)         14574.02    Top Width (ft)          10614.80     407.41    3551.81
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        187.95    Hydr. Depth (ft)          122.21     177.36     134.89
  Conv. Total (cfs)      461092600.0    Conv. (cfs)            315510900.0   22392570.0   123189100.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10662.36     412.98    3623.33
  Min Ch El (ft)           571.93    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    10957.55     684.49    4314.58
  C & E Loss (ft)            0.00    Cum SA (acres)             87.73       3.77      32.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1520.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.73  680.68  600.86  679.99  982.88  676.17 1001.43  676.01
 1277.74  677.85 1301.85  677.97 1965.76  667.54 2002.85  667.04 2162.34  669.44
 2203.14     670 2752.06     670 2803.99  669.92 3734.94   651.3 3805.42     650
 4422.96     650 4506.41  649.36 4521.25  647.88 4606.56     640 4717.83     640
 4806.84  639.66 5110.98  624.45 5207.41  619.94 5798.99  614.87 5908.41     614
 7666.47     614 7764.75  614.08 7811.12  614.08 7911.26     615 8256.19     615
 8256.19  614.62 8411.97  614.62 8411.97     610  9042.5     610 9213.11  609.85
 9632.23  604.96 9813.97  602.79  9828.8  602.5710014.25     60010615.11     600
10722.66  571.9210822.66  571.9211022.66     60011445.62  602.1312883.69  608.46
13052.87  609.1613255.89  612.4213306.65  622.2713458.91  650.4113729.61  660.38
13864.96   664.713898.79  664.1114152.57  660.2614169.49  660.1114372.51  661.37
14575.53     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510615.11     .1511022.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10615.1111022.66               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1297245.00   72285.62   479234.80
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1297245.00   72285.62   479234.80
  Q Total (cfs)          206224.30    Flow (cfs)              141103.80   10018.07   55102.40
  Top Width (ft)         14575.53    Top Width (ft)          10615.11     407.55    3552.87
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        187.96    Hydr. Depth (ft)          122.21     177.37     134.89
  Conv. Total (cfs)      461138200.0    Conv. (cfs)            315522300.0   22401400.0   123214500.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10662.67     413.12    3624.38
  Min Ch El (ft)           571.92    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    10942.66     683.66    4309.08
  C & E Loss (ft)            0.00    Cum SA (acres)             87.61       3.76      32.05


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1519.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.74  680.68  600.87  679.99  982.91  676.17 1001.45  676.01
 1277.78  677.85 1301.89  677.97 1965.82  667.54 2002.91  667.04  2162.4  669.44
  2203.2     670 2752.14     670 2804.07  669.92 3735.05   651.3 3805.52     650
 4423.09     650 4506.54  649.35 4521.38  647.86 4606.69     640 4717.96     640
 4806.98  639.65 5111.12  624.44 5207.56  619.94 5799.16  614.86 5908.58     614
 7666.68     614 7764.97  614.08 7811.34  614.08 7911.48     615 8256.43     615
 8256.43  614.61 8412.21  614.61 8412.21     610 9042.75     610 9213.37  609.84
  9632.5  604.95 9814.25  602.79 9829.08  602.5610014.54     60010615.41     600
10723.11  571.9210823.11  571.9211023.11     600 11446.2  602.1312884.69  608.46
13053.93  609.1613257.01  612.4713307.78  622.3113460.09  650.4213730.87  660.39
13866.25  664.69 13900.1   664.114153.95  660.2614170.88  660.1114373.96   661.4
14577.04     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510615.41     .1511023.11     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10615.4111023.11               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1297299.00   72311.77   479359.40
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1297299.00   72311.77   479359.40
  Q Total (cfs)          206224.30    Flow (cfs)              141094.50   10020.58   55109.23
  Top Width (ft)         14577.04    Top Width (ft)          10615.41     407.70    3553.93
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        187.96    Hydr. Depth (ft)          122.21     177.37     134.88
  Conv. Total (cfs)      461192200.0    Conv. (cfs)            315538400.0   22409650.0   123244200.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10662.97     413.26    3625.43
  Min Ch El (ft)           571.92    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
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  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10927.77     682.83    4303.58
  C & E Loss (ft)             0.00    Cum SA (acres)             87.49       3.76      32.01


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1519.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.76  680.68  600.89  679.99  982.94  676.17 1001.48  676.01
 1277.82  677.85 1301.93  677.97 1965.87  667.54 2002.96  667.04 2162.46  669.44
 2203.26     670 2752.22     670 2804.15  669.92 3735.16   651.3 3805.63     650
 4423.21     650 4506.67  649.33 4521.51  647.85 4606.82     640 4718.09     640
 4807.11  639.64 5111.27  624.44 5207.71  619.93 5799.32  614.86 5908.74     614
  7666.9     614  7765.2  614.08 7811.56  614.08 7911.71     615 8256.66     615
 8256.66  614.61 8412.45  614.61 8412.45     610 9043.01     610 9213.63  609.84
 9632.77  604.95 9814.52  602.78 9829.36  602.5610014.82     60010615.71     600
10723.57  571.9210823.57  571.9211023.57     60011446.78  602.14 12885.7  608.46
13054.99  609.1613258.13  612.5113308.91  622.3613461.27  650.4213732.12  660.39
13867.55  664.6913901.41   664.114155.34  660.2614172.27  660.1114375.41  661.43
14578.55     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510615.71     .1511023.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10615.7111023.57               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1297344.00   72339.63   479475.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1297344.00   72339.63   479475.20
  Q Total (cfs)           206224.30    Flow (cfs)              141085.50   10023.49   55115.29
  Top Width (ft)          14578.55    Top Width (ft)          10615.71     407.86    3554.98
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         187.96    Hydr. Depth (ft)          122.21     177.36     134.87
  Conv. Total (cfs)       461239300.0    Conv. (cfs)             315550500.0   22418440.0   123270300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10663.27     413.42    3626.46
  Min Ch El (ft)            571.92    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10912.88     682.00    4298.07
  C & E Loss (ft)             0.00    Cum SA (acres)             87.37       3.75      31.97


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1518.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.78  680.68  600.91  679.99  982.96  676.17 1001.51  676.01
 1277.85  677.85 1301.96  677.97 1965.93  667.54 2003.02  667.05 2162.52  669.44
 2203.32     670  2752.3     670 2804.23  669.92 3735.26  651.29 3805.74     650
 4423.34     650  4506.8  649.32 4521.63  647.84 4606.95     640 4718.23     640
 4807.25  639.64 5111.41  624.43 5207.85  619.93 5799.49  614.86 5908.91     614
 7667.12     614 7765.42  614.08 7811.78  614.08 7911.93     615  8256.9     615
  8256.9   614.6 8412.69   614.6 8412.69     610 9043.27     610  9213.9  609.84
 9633.05  604.95  9814.8  602.78 9829.64  602.5610015.11     60010616.01     600
10724.02  571.9210824.02  571.9211024.02     60011447.36  602.1412886.71  608.47
13056.04  609.1613259.25  612.5613310.04   622.413462.45  650.4313733.38   660.4
13868.85  664.6813902.72  664.0914156.72  660.2614173.66  660.1114376.86  661.46
14580.06     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510616.01     .1511024.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10616.0111024.02               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1297389.00   72365.61   479592.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1297389.00   72365.61   479592.10
  Q Total (cfs)           206224.30    Flow (cfs)              141076.70   10026.13   55121.48
  Top Width (ft)          14580.06    Top Width (ft)          10616.01     408.01    3556.04
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         187.96    Hydr. Depth (ft)          122.21     177.36     134.87
  Conv. Total (cfs)       461286200.0    Conv. (cfs)             315562900.0   22426630.0   123296700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10663.56     413.56    3627.51
  Min Ch El (ft)            571.92    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10897.98     681.17    4292.57
  C & E Loss (ft)             0.00    Cum SA (acres)             87.24       3.75      31.93


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1518.*
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INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   589.8  680.68  600.92  679.99  982.99  676.17 1001.54  676.01
 1277.89  677.85    1302  677.97 1965.98  667.53 2003.08  667.05 2162.58  669.44
 2203.39     670 2752.38     670 2804.31  669.91 3735.37  651.29 3805.85     650
 4423.46     650 4506.93  649.31 4521.76  647.82 4607.08     640 4718.36     640
 4807.39  639.63 5111.56  624.42    5208  619.93 5799.65  614.86 5909.08     614
 7667.34     614 7765.64  614.08    7812  614.08 7912.16     615 8257.13     615
 8257.13  614.59 8412.93  614.59 8412.93     610 9043.53     610 9214.16  609.83
 9633.32  604.94 9815.08  602.77 9829.92  602.5510015.39     60010616.31     600
10724.47  571.9210824.47  571.9211024.47     60011447.94  602.1512887.71  608.47
 13057.1  609.1713260.36  612.6113311.18  622.4513463.62  650.4413734.64  660.41
13870.15  664.6713904.03  664.0814158.11  660.2614175.04  660.1114378.31  661.48
14581.57     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510616.31     .1511024.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10616.3111024.47               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1297449.00   72391.77   479706.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1297449.00   72391.77   479706.40
  Q Total (cfs)           206224.30    Flow (cfs)              141069.00   10028.69   55126.56
  Top Width (ft)          14581.57    Top Width (ft)          10616.31     408.16    3557.10
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         187.96    Hydr. Depth (ft)          122.21     177.36     134.86
  Conv. Total (cfs)       461338100.0    Conv. (cfs)            315581200.0   22434880.0   123321900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10663.86     413.71    3628.56
  Min Ch El (ft)            571.92    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10883.09     680.34    4287.06
  C & E Loss (ft)             0.00    Cum SA (acres)             87.12       3.74      31.89


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1517.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.81  680.68  600.94  679.99  983.02  676.17 1001.57  676.01
 1277.93  677.85 1302.04  677.97 1966.04  667.53 2003.14  667.05 2162.64  669.44
 2203.45     670 2752.46     670 2804.39  669.91 3735.48  651.29 3805.96     650
 4423.59     650 4507.05  649.29 4521.89  647.81 4607.21     640  4718.5     640
 4807.52  639.62  5111.7  624.41 5208.15  619.93 5799.82  614.86 5909.25     614
 7667.56     614 7765.86  614.08 7812.23  614.08 7912.38     615 8257.37     615
 8257.37  614.58 8413.17  614.58 8413.17     610 9043.78     610 9214.42  609.83
  9633.6  604.94 9815.36  602.77  9830.2  602.5510015.68     60010616.62     600
10724.92  571.9210824.92  571.9211024.92     60011448.51  602.1512888.72  608.47
13058.16  609.1713261.48  612.6613312.31  622.49 13464.8  650.45 13735.9  660.42
13871.45  664.6713905.34  664.0814159.49  660.2514176.43  660.1214379.76  661.51
14583.08     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510616.62     .1511024.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10616.6211024.92               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1297494.00   72416.05   479829.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1297494.00   72416.05   479829.10
  Q Total (cfs)           206224.30    Flow (cfs)              141059.60   10031.05   55133.61
  Top Width (ft)          14583.08    Top Width (ft)          10616.62     408.30    3558.16
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         187.96    Hydr. Depth (ft)          122.21     177.36     134.85
  Conv. Total (cfs)       461386900.0    Conv. (cfs)            315593600.0   22442540.0   123350800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10664.17     413.84    3629.61
  Min Ch El (ft)            571.92    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10868.20     679.51    4281.56
  C & E Loss (ft)             0.00    Cum SA (acres)             87.00       3.74      31.85


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1517.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.83  680.68  600.96  679.99  983.05  676.17  1001.6  676.01
 1277.96  677.85 1302.07  677.97  1966.1  667.53 2003.19  667.05 2162.71  669.44
 2203.51     670 2752.53     670 2804.47  669.91 3735.58  651.29 3806.07     650
 4423.72     650 4507.18  649.28 4522.02   647.8 4607.34     640 4718.63     640
 4807.66  639.62 5111.85  624.41  5208.3  619.93 5799.98  614.86 5909.42     614
 7667.77     614 7766.08  614.08 7812.45  614.08 7912.61     615  8257.6     615
  8257.6  614.58 8413.41  614.58 8413.41     610 9044.04     610 9214.68  609.83
 9633.87  604.94 9815.64  602.77 9830.48  602.5410015.96     60010616.92     600
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10725.38  571.9210825.38  571.9211025.38     60011449.09  602.1612889.73  608.47
13059.21  609.17 13262.6  612.7113313.44  622.5413465.98  650.4613737.16  660.42
13872.75  664.6613906.65  664.0714160.88  660.2514177.83  660.1214381.21  661.54
14584.59     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510616.92     .1511025.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10616.9211025.38               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1297533.00   72443.91   479943.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1297533.00   72443.91   479943.90
  Q Total (cfs)           206224.30    Flow (cfs)              141050.50   10034.02   55139.82
  Top Width (ft)          14584.59    Top Width (ft)          10616.92     408.46    3559.21
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         187.96    Hydr. Depth (ft)          122.21     177.36     134.85
  Conv. Total (cfs)       461431200.0    Conv. (cfs)            315603400.0   22451320.0   123376500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10664.47     414.00    3630.64
  Min Ch El (ft)            571.92    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10853.30     678.67    4276.05
  C & E Loss (ft)             0.00    Cum SA (acres)             86.88       3.73      31.81


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1516.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.85  680.68  600.97  679.99  983.08  676.17 1001.62  676.01
    1278  677.85 1302.11  677.97 1966.15  667.53 2003.25  667.05 2162.77  669.44
 2203.57     670 2752.61     670 2804.55  669.91 3735.69  651.29 3806.17     650
 4423.84     650 4507.31  649.27 4522.15  647.79 4607.47     640 4718.76     640
  4807.8  639.61    5112   624.4 5208.45  619.93 5800.15  614.86 5909.58     614
 7667.99     614  7766.3  614.09 7812.67  614.09 7912.83     615 8257.84     615
 8257.84  614.57 8413.65  614.57 8413.65     610  9044.3     610 9214.95  609.83
 9634.14  604.93 9815.92  602.76 9830.76  602.5410016.25     60010617.22     600
10725.83  571.9110825.83  571.9111025.83     60011449.67  602.1612890.73  608.48
13060.27  609.1713263.72  612.7613314.58  622.5813467.16  650.4613738.42  660.43
13874.05  664.6613907.96  664.0614162.26  660.2514179.21  660.1214382.66  661.57
 14586.1     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510617.22     .1511025.83     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10617.2211025.83               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1297578.00   72472.61   480061.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1297578.00   72472.61   480061.80
  Q Total (cfs)           206224.30    Flow (cfs)              141041.20   10037.16   55145.98
  Top Width (ft)          14586.10    Top Width (ft)          10617.22     408.61    3560.27
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         187.97    Hydr. Depth (ft)          122.21     177.36     134.84
  Conv. Total (cfs)       461480000.0    Conv. (cfs)            315615900.0   22460740.0   123403400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10664.77     414.15    3631.69
  Min Ch El (ft)            571.91    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10838.41     677.84    4270.54
  C & E Loss (ft)             0.00    Cum SA (acres)             86.76       3.73      31.76


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1516.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.86  680.68  600.99  679.99   983.1  676.17 1001.65  676.01
 1278.04  677.85 1302.15  677.97 1966.21  667.53 2003.31  667.05 2162.83  669.44
 2203.64     670 2752.69     670 2804.63  669.91 3735.79  651.28 3806.28     650
 4423.97     650 4507.44  649.26 4522.28  647.77  4607.6     640  4718.9     640
 4807.93   639.6 5112.14  624.39  5208.6  619.93 5800.31  614.85 5909.75     614
 7668.21     614 7766.52  614.09 7812.89  614.09 7913.06     615 8258.07     615
 8258.07  614.56 8413.89  614.56 8413.89     610 9044.56     610 9215.21  609.82
 9634.42  604.93  9816.2  602.76 9831.04  602.5310016.53     60010617.52     600
10726.28  571.9110826.28  571.9111026.28     60011450.25  602.1712891.74  608.48
13061.33  609.1713264.83   612.813315.71  622.6313468.34  650.4713739.68  660.44
13875.35  664.6513909.26  664.0614163.65  660.25 14180.6  660.1214384.11  661.59
14587.61     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510617.52     .1511026.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10617.5211026.28               .5      .5      .5             .1       .3
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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1297634.00   72498.77   480178.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1297634.00   72498.77   480178.00
  Q Total (cfs)           206224.30    Flow (cfs)              141033.10   10039.74    55151.49
  Top Width (ft)          14587.61    Top Width (ft)          10617.52     408.76    3561.33
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         187.97    Hydr. Depth (ft)          122.22     177.36     134.83
  Conv. Total (cfs)       461531100.0    Conv. (cfs)            315632800.0   22468980.0   123429300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10665.07     414.29    3632.74
  Min Ch El (ft)            571.91    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10823.52     677.01    4265.03
  C & E Loss (ft)             0.00    Cum SA (acres)             86.64       3.72      31.72


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1515.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.88  680.67  601.01  679.99  983.13  676.17 1001.68  676.01
 1278.07  677.85 1302.19  677.97 1966.26  667.53 2003.36  667.05 2162.89  669.44
  2203.7     670 2752.77     670 2804.71  669.91  3735.9  651.28 3806.39     650
 4424.09     650 4507.57  649.24 4522.41  647.76 4607.74     640 4719.03     640
 4808.07   639.6 5112.29  624.39 5208.74  619.93 5800.48  614.85 5909.92     614
 7668.43     614 7766.74  614.09 7813.12  614.09 7913.28     615 8258.31     615
 8258.31  614.55 8414.12  614.55 8414.12     610 9044.81     610 9215.47  609.82
 9634.69  604.93 9816.48  602.75 9831.32  602.5310016.82     60010617.83     600
10726.74  571.9110826.74  571.9111026.74     60011450.83  602.1712892.75  608.48
13062.39  609.1713265.95  612.8513316.84  622.6713469.52  650.4813740.94  660.45
13876.65  664.6413910.57  664.0514165.03  660.2514181.99  660.1214385.56  661.62
14589.12     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510617.83     .1511026.74     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10617.8311026.74               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1297680.00   72524.76   480301.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1297680.00   72524.76   480301.00
  Q Total (cfs)           206224.30    Flow (cfs)              141023.40   10042.32    55158.62
  Top Width (ft)          14589.12    Top Width (ft)          10617.83     408.91    3562.38
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         187.97    Hydr. Depth (ft)          122.22     177.36     134.83
  Conv. Total (cfs)       461580800.0    Conv. (cfs)            315645000.0   22477180.0   123458600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10665.38     414.44    3633.77
  Min Ch El (ft)            571.91    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10808.62     676.18    4259.52
  C & E Loss (ft)             0.00    Cum SA (acres)             86.51       3.72      31.68


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1515.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   589.9  680.67  601.03  679.99  983.16  676.17 1001.71  676.01
 1278.11  677.85 1302.22  677.97 1966.32  667.53 2003.42  667.05 2162.95  669.44
 2203.76     670 2752.85     670 2804.79   669.9 3736.01  651.28  3806.5     650
 4424.22     650  4507.7  649.23 4522.54  647.75 4607.87     640 4719.17     640
 4808.21  639.59 5112.43  624.38 5208.89  619.92 5800.64  614.85 5910.09     614
 7668.65     614 7766.96  614.09 7813.34  614.09 7913.51     615 8258.54     615
 8258.54  614.55 8414.36  614.55 8414.36     610 9045.07     610 9215.73  609.82
 9634.97  604.93 9816.76  602.75  9831.6  602.53 10017.1     60010618.13     600
10727.19  571.9110827.19  571.9111027.19     60011451.41  602.1812893.76  608.48
13063.44  609.1713267.07   612.913317.98  622.72 13470.7  650.49 13742.2  660.45
13877.95  664.6413911.88  664.0414166.42  660.2514183.38  660.1314387.01  661.65
14590.63     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510618.13     .1511027.19     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10618.1311027.19               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1297729.00   72550.91   480415.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1297729.00   72550.91   480415.50
  Q Total (cfs)           206224.30    Flow (cfs)              141015.10   10044.96    55164.22
  Top Width (ft)          14590.63    Top Width (ft)          10618.13     409.06    3563.44
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         187.97    Hydr. Depth (ft)          122.22     177.36     134.82
  Conv. Total (cfs)       461628600.0    Conv. (cfs)            315659300.0   22485420.0   123483900.0
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  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10665.67     414.58    3634.82
  Min Ch El (ft)           571.91    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    10793.73     675.35    4254.00
  C & E Loss (ft)            0.00    Cum SA (acres)             86.39       3.71      31.64


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1514.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.91  680.67  601.04  679.99  983.19  676.17 1001.74  676.01
 1278.14  677.85 1302.26  677.96 1966.38  667.53 2003.48  667.05 2163.01  669.45
 2203.82     670 2752.93     670 2804.87   669.9 3736.11  651.28 3806.61     650
 4424.35     650 4507.82  649.22 4522.66  647.73    4608     640  4719.3     640
 4808.35  639.58 5112.58  624.37 5209.04  619.92 5800.81  614.85 5910.26     614
 7668.87     614 7767.18  614.09 7813.56  614.09 7913.73     615 8258.78     615
 8258.78  614.54  8414.6  614.54  8414.6     610 9045.33     610    9216  609.81
 9635.24  604.92 9817.04  602.74 9831.88  602.5210017.39     60010618.43     600
10727.64  571.9110827.64  571.9111027.64     60011451.99  602.1812894.76  608.49
 13064.5  609.1713268.19  612.9513319.11  622.7613471.87   650.513743.45  660.46
13879.25  664.6313913.19  664.03 14167.8  660.2514184.77  660.1314388.46  661.68
14592.14     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510618.43     .1511027.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10618.4311027.64               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1297783.00   72576.90   480531.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)           1297783.00   72576.90   480531.90
  Q Total (cfs)           206224.30    Flow (cfs)             141006.90   10047.52   55169.89
  Top Width (ft)          14592.14    Top Width (ft)          10618.43     409.21    3564.50
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         187.97    Hydr. Depth (ft)          122.22     177.36     134.81
  Conv. Total (cfs)       461679000.0    Conv. (cfs)           315675300.0   22493620.0   123510100.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10665.97     414.73    3635.87
  Min Ch El (ft)           571.91    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    10778.83     674.51    4248.49
  C & E Loss (ft)            0.00    Cum SA (acres)             86.27       3.71      31.60


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1514.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.93  680.67  601.06  679.99  983.22  676.17 1001.77  676.01
 1278.18  677.85  1302.3  677.96 1966.43  667.53 2003.53  667.05 2163.07  669.45
 2203.89     670    2753     670 2804.95   669.9 3736.22  651.28 3806.71     650
 4424.47     650 4507.95  649.2 4522.79  647.72 4608.13     640 4719.44     640
 4808.48  639.58 5112.72  624.36 5209.19  619.92 5800.97  614.85 5910.43     614
 7669.08     614 7767.41  614.09 7813.78  614.09 7913.96     615 8259.01     615
 8259.01  614.53 8414.84  614.53 8414.84     610 9045.59     610 9216.26  609.81
 9635.52  604.92 9817.32  602.74 9832.16  602.5210017.67     60010618.73     600
 10728.1  571.91 10828.1  571.91 11028.1     60011452.57  602.1812895.77  608.49
13065.56  609.18 13269.3     61313320.24  622.8113473.05  650.5113744.71  660.47
13880.54  664.63 13914.5  664.0314169.18  660.2514186.16  660.1314389.91   661.7
14593.66     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510618.73     .15 11028.1     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10618.73 11028.1               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1297825.00   72604.59   480652.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)           1297825.00   72604.59   480652.50
  Q Total (cfs)           206224.30    Flow (cfs)             140997.30   10050.38   55176.66
  Top Width (ft)          14593.66    Top Width (ft)          10618.73     409.37    3565.56
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         187.97    Hydr. Depth (ft)          122.22     177.36     134.80
  Conv. Total (cfs)       461726700.0    Conv. (cfs)           315686400.0   22502340.0   123538000.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10666.27     414.88    3636.92
  Min Ch El (ft)           571.91    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    10763.93     673.68    4242.97
  C & E Loss (ft)            0.00    Cum SA (acres)             86.15       3.71      31.56


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 1513.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  589.95  680.67  601.08  679.99  983.24  676.17  1001.8  676.01
  1278.22  677.85 1302.33  677.96 1966.49  667.53 2003.59  667.05 2163.14  669.45
  2203.95     670 2753.08     670 2805.03   669.9 3736.33  651.27 3806.82     650
   4424.6     650 4508.08  649.19 4522.92  647.71 4608.26     640 4719.57     640
  4808.62  639.57 5112.87  624.36 5209.34  619.92 5801.14  614.85 5910.59     614
   7669.3     614 7767.63   614.1 7814.01   614.1 7914.19     615 8259.25     615
  8259.25  614.52 8415.08  614.52 8415.08     610 9045.84     610 9216.52  609.81
  9635.79  604.92  9817.6  602.74 9832.44  602.5110017.96     60010619.03     600
 10728.55   571.910828.55   571.911028.55     60011453.15  602.1912896.78  608.49
 13066.62  609.1813270.42  613.0513321.38  622.8513474.23  650.5113745.97  660.48
 13881.84  664.6213915.81  664.0214170.57  660.2514187.55  660.1314391.36  661.73
 14595.17     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1510619.03     .1511028.55     .15

Bank Sta: Left   Right     Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10619.0311028.55                .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1297871.00   72633.28   480770.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1297871.00   72633.28   480770.10
  Q Total (cfs)           206224.30    Flow (cfs)              140988.00   10053.53   55182.77
  Top Width (ft)          14595.17    Top Width (ft)          10619.03     409.52    3566.62
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         187.98    Hydr. Depth (ft)          122.22     177.36     134.80
  Conv. Total (cfs)       461775400.0    Conv. (cfs)            315698900.0   22511760.0   123564700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10666.57     415.03    3637.96
  Min Ch El (ft)            571.90    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10749.04     672.85    4237.45
  C & E Loss (ft)             0.00    Cum SA (acres)             86.03       3.70      31.52


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1513.*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  589.96  680.67  601.09  679.99  983.27  676.17 1001.82  676.01
  1278.25  677.85 1302.37  677.96 1966.54  667.53 2003.65  667.05  2163.2  669.45
  2204.01     670 2753.16     670 2805.11   669.9 3736.43  651.27 3806.93     650
  4424.72     650 4508.21  649.18 4523.05  647.69 4608.39     640  4719.7     640
  4808.76  639.56 5113.01  624.35 5209.49  619.92  5801.3  614.85 5910.76     614
  7669.52     614 7767.85   614.1 7814.23   614.1 7914.41     615 8259.48     615
  8259.48  614.52 8415.32  614.52 8415.32     610  9046.1     610 9216.78   609.8
  9636.06  604.91 9817.88  602.73 9832.72  602.5110018.24     60010619.33     600
    10729    571.9   10829   571.9   11029     60011453.73  602.1912897.78  608.49
 13067.67  609.1813271.54  613.0913322.51   622.913475.41  650.5213747.23  660.48
 13883.14  664.6113917.12  664.0114171.95  660.2514188.94  660.1414392.81  661.76
 14596.68     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1510619.33     .15   11029     .15

Bank Sta: Left   Right     Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10619.33   11029                .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1297920.00   72659.44   480895.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1297920.00   72659.44   480895.60
  Q Total (cfs)           206224.30    Flow (cfs)              140978.30   10056.07   55189.94
  Top Width (ft)          14596.68    Top Width (ft)          10619.33     409.67    3567.68
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         187.98    Hydr. Depth (ft)          122.22     177.36     134.79
  Conv. Total (cfs)       461827700.0    Conv. (cfs)            315712900.0   22520000.0   123594800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10666.87     415.18    3639.01
  Min Ch El (ft)            571.90    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10734.14     672.01    4231.93
  C & E Loss (ft)             0.00    Cum SA (acres)             85.90       3.70      31.48


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1512.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  589.98  680.67  601.11  679.99   983.3  676.17 1001.85  676.01
  1278.29  677.86 1302.41  677.96  1966.6  667.52 2003.71  667.06 2163.26  669.45
  2204.08     670 2753.24     670 2805.19   669.9 3736.54  651.27 3807.04     650
  4424.85     650 4508.34  649.17 4523.18  647.68 4608.52     640 4719.84     640
  4808.89  639.56 5113.16  624.34 5209.63  619.92 5801.47  614.84 5910.93     614
```

```
 7669.74     614 7768.07   614.1 7814.45   614.1 7914.64     615 8259.72     615
 8259.72  614.51 8415.56  614.51 8415.56     610 9046.36     610 9217.04   609.8
 9636.34  604.91 9818.16  602.73    9833  602.5110018.53     60010619.64     600
10729.46   571.910829.46   571.911029.46     60011454.31   602.212898.79   608.5
13068.73  609.1813272.66  613.1413323.64  622.9513476.59  650.5313748.49  660.49
13884.44  664.6113918.43  664.0114173.34  660.2514190.33  660.1414394.26  661.79
14598.19     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510619.64     .1511029.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10619.6411029.46               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1297967.00   72685.59   480997.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1297967.00   72685.59   480997.90
  Q Total (cfs)           206224.30    Flow (cfs)              140971.40   10058.85   55194.04
  Top Width (ft)          14598.19    Top Width (ft)          10619.64     409.82    3568.73
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         187.98    Hydr. Depth (ft)          122.22     177.36     134.78
  Conv. Total (cfs)       461869200.0    Conv. (cfs)             315725900.0   22528250.0   123615100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10667.18     415.32    3640.04
  Min Ch El (ft)            571.90    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10719.24     671.18    4226.41
  C & E Loss (ft)             0.00    Cum SA (acres)             85.78       3.69      31.44


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1512.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     590  680.67  601.13  679.99  983.33  676.17 1001.88  676.01
 1278.33  677.86 1302.45  677.96 1966.66  667.52 2003.76  667.06 2163.32  669.45
 2204.14     670 2753.32     670 2805.27  669.89 3736.65  651.27 3807.15     650
 4424.97     650 4508.46  649.15 4523.31  647.67 4608.65     640 4719.97     640
 4809.03  639.55  5113.3  624.33 5209.78  619.92 5801.63  614.84  5911.1     614
 7669.96     614 7768.29   614.1 7814.67   614.1 7914.86     615 8259.95     615
 8259.95   614.5  8415.8   614.5  8415.8     610 9046.62     610 9217.31   609.8
 9636.61  604.91 9818.43  602.72 9833.28  602.510018.81     60010619.94     600
10729.91   571.910829.91   571.911029.91     60011454.88   602.2 12899.8   608.5
13069.79  609.1813273.78  613.1913324.77  622.9913477.76  650.5413749.75   660.5
13885.74   664.613919.74     66414174.72  660.2514191.72  660.1414395.71  661.81
 14599.7     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510619.94     .1511029.91     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10619.9411029.91               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1298018.00   72711.58   481124.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1298018.00   72711.58   481124.30
  Q Total (cfs)           206224.30    Flow (cfs)              140961.70   10061.34   55201.27
  Top Width (ft)          14599.70    Top Width (ft)          10619.94     409.97    3569.79
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         187.98    Hydr. Depth (ft)          122.22     177.36     134.78
  Conv. Total (cfs)       461922500.0    Conv. (cfs)             315740600.0   22536430.0   123645500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10667.48     415.47    3641.09
  Min Ch El (ft)            571.90    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10704.34     670.34    4220.89
  C & E Loss (ft)             0.00    Cum SA (acres)             85.66       3.69      31.40


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1511.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.01  680.67  601.15  679.99  983.36  676.17 1001.91  676.01
 1278.36  677.86 1302.48  677.96 1966.71  667.52 2003.82  667.06 2163.38  669.45
  2204.2     670  2753.4     670 2805.35  669.89 3736.75  651.26 3807.26     650
  4425.1     650 4508.59  649.14 4523.44  647.66 4608.78     640 4720.11     640
 4809.17  639.54 5113.45  624.33 5209.93  619.91  5801.8  614.84 5911.27     614
 7670.17     614 7768.51   614.1  7814.9   614.1 7915.09     615 8260.19     615
 8260.19  614.49 8416.04  614.49 8416.04     610 9046.87     610 9217.57   609.8
 9636.89   604.9 9818.71  602.72 9833.56   602.5 10019.1     60010620.24     600
10730.36   571.910830.36   571.911030.36     60011455.46   602.2112900.81   608.5
13070.85  609.1813274.89  613.2413325.91  623.0413478.94  650.5513751.01  660.51
13887.04   664.613921.05  663.9914176.11  660.2514193.11  660.1414397.16  661.84
14601.21     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510620.24     .1511030.36     .15
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```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10620.2411030.36               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1298070.00   72737.74   481237.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1298070.00   72737.74   481237.60
  Q Total (cfs)           206224.30    Flow (cfs)              140953.80   10063.96   55206.55
  Top Width (ft)          14601.21    Top Width (ft)          10620.24     410.12    3570.85
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         187.98    Hydr. Depth (ft)          122.23     177.36     134.77
  Conv. Total (cfs)       461971100.0    Conv. (cfs)            315756100.0   22544680.0   123670300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10667.77     415.61    3642.14
  Min Ch El (ft)            571.90    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10689.44     669.51    4215.37
  C & E Loss (ft)             0.00    Cum SA (acres)             85.54       3.68      31.36


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1511.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.03  680.66  601.16  679.99  983.38  676.17 1001.94  676.01
  1278.4  677.86 1302.52  677.96 1966.77  667.52 2003.88  667.06 2163.44  669.45
 2204.26     670 2753.47     670 2805.43  669.89 3736.86  651.26 3807.36     650
 4425.23     650 4508.72  649.13 4523.56  647.64 4608.92     640 4720.24     640
  4809.3  639.53  5113.6  624.32 5210.08  619.91 5801.96  614.84 5911.43     614
 7670.39     614 7768.73   614.1 7815.12   614.1 7915.31     615 8260.42     615
 8260.42  614.49 8416.28  614.49 8416.28     610 9047.13     610 9217.83  609.79
 9637.16   604.9 9818.99  602.72 9833.84  602.4910019.38     60010620.54     600
10730.82   571.910830.82   571.911030.82     60011456.04  602.2112901.81   608.5
 13071.9  609.1813276.01  613.2913327.04  623.0813480.12  650.5513752.27  660.51
13888.34  664.5913922.36  663.9914177.49  660.25 14194.5  660.1414398.61  661.87
14602.72     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510620.54     .1511030.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10620.5411030.82               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1298119.00   72765.59   481363.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1298119.00   72765.59   481363.30
  Q Total (cfs)           206224.30    Flow (cfs)              140943.80   10066.72   55213.77
  Top Width (ft)          14602.72    Top Width (ft)          10620.54     410.28    3571.90
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         187.98    Hydr. Depth (ft)          122.23     177.36     134.76
  Conv. Total (cfs)       462024200.0    Conv. (cfs)            315770000.0   22553450.0   123700700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10668.07     415.77    3643.17
  Min Ch El (ft)            571.90    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10674.54     668.67    4209.84
  C & E Loss (ft)             0.00    Cum SA (acres)             85.42       3.68      31.31


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1510.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.05  680.66  601.18  679.99  983.41  676.17 1001.97  676.01
 1278.44  677.86 1302.56  677.96 1966.82  667.52 2003.93  667.06 2163.51  669.45
 2204.33     670 2753.55     670 2805.51  669.89 3736.96  651.26 3807.47     650
 4425.35     650 4508.85  649.12 4523.69  647.63 4609.05     640 4720.38     640
 4809.44  639.53 5113.74  624.31 5210.23  619.91 5802.13  614.84  5911.6     614
 7670.61     614 7768.95   614.1 7815.34   614.1 7915.54     615 8260.66     615
 8260.66  614.48 8416.52  614.48 8416.52     610 9047.39     610 9218.09  609.79
 9637.43   604.9 9819.27  602.71 9834.12  602.4910019.67     60010620.85     600
10731.27   571.910831.27   571.911031.27     60011456.62  602.2212902.82  608.51
13072.96  609.1913277.13  613.3413328.17  623.13 13481.3  650.5613753.53  660.52
13889.64  664.5813923.67  663.9814178.88  660.2514195.89  660.1514400.06   661.9
14604.23     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510620.85     .1511031.27     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10620.8511031.27               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1298163.00   72789.88   481466.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1298163.00   72789.88   481466.50
  Q Total (cfs)           206224.30    Flow (cfs)              140936.90   10069.27   55218.16
  Top Width (ft)          14604.23    Top Width (ft)          10620.85     410.42    3572.96
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  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         187.98    Hydr. Depth (ft)          122.23     177.35     134.75
  Conv. Total (cfs)       462063900.0    Conv. (cfs)            315781600.0   22561110.0   123721200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10668.38     415.90    3644.22
  Min Ch El (ft)            571.90    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10659.64     667.84    4204.32
  C & E Loss (ft)             0.00    Cum SA (acres)             85.29       3.67      31.27


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1510.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.06  680.66   601.2  679.99  983.44  676.17    1002  676.01
 1278.47  677.86 1302.59  677.96 1966.88  667.52 2003.99  667.06 2163.57  669.45
 2204.39     670 2753.63     670 2805.59  669.89 3737.07  651.26 3807.58     650
 4425.48     650 4508.98   649.1 4523.82  647.62 4609.18     640 4720.51     640
 4809.58  639.52 5113.89  624.31 5210.37  619.91 5802.29  614.84 5911.77     614
 7670.83     614 7769.17  614.11 7815.56  614.11 7915.76     615 8260.89     615
 8260.89  614.47 8416.76  614.47 8416.76     610 9047.64     610 9218.35  609.79
 9637.71  604.89 9819.55  602.71  9834.4  602.4810019.95     60010621.15     600
10731.72  571.8910831.72  571.8911031.72     600 11457.2  602.2212903.83  608.51
13074.02  609.1913278.25  613.38 13329.3  623.1713482.48  650.5713754.78  660.53
13890.94  664.5813924.97  663.9714180.26  660.2514197.28  660.1514401.51  661.92
14605.74     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510621.15     .1511031.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10621.1511031.72               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1298207.00   72818.43   481593.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1298207.00   72818.43   481593.40
  Q Total (cfs)           206224.30    Flow (cfs)              140926.40   10072.32   55225.60
  Top Width (ft)          14605.74    Top Width (ft)          10621.15     410.57    3574.02
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         187.99    Hydr. Depth (ft)          122.23     177.36     134.75
  Conv. Total (cfs)       462115900.0    Conv. (cfs)            315793700.0   22570480.0   123751800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10668.68     416.05    3645.27
  Min Ch El (ft)            571.89    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10644.74     667.00    4198.79
  C & E Loss (ft)             0.00    Cum SA (acres)             85.17       3.67      31.23


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1509.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.08  680.66  601.21  679.99  983.47  676.17 1002.02  676.01
 1278.51  677.86 1302.63  677.96 1966.94  667.52 2004.05  667.06 2163.63  669.45
 2204.45     670 2753.71     670 2805.67  669.89 3737.18  651.26 3807.69     650
  4425.6     650 4509.11  649.09 4523.95   647.6 4609.31     640 4720.64     640
 4809.71  639.51 5114.03   624.3 5210.52  619.91 5802.46  614.84 5911.94     614
 7671.05     614 7769.39  614.11 7815.78  614.11 7915.99     615 8261.13     615
 8261.13  614.46    8417  614.46    8417     610  9047.9     610 9218.62  609.78
 9637.98  604.89 9819.83   602.7 9834.68  602.4810020.24     60010621.45     600
10732.17  571.8910832.17  571.8911032.17     60011457.78  602.2312904.83  608.51
13075.08  609.1913279.37  613.4313330.44  623.2213483.66  650.5813756.04  660.54
13892.24  664.5713926.28  663.9714181.65  660.2514198.67  660.1514402.96  661.95
14607.25     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510621.45     .1511032.17     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10621.4511032.17               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1298255.00   72844.59   481706.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1298255.00   72844.59   481706.10
  Q Total (cfs)           206224.30    Flow (cfs)              140918.30   10074.99   55231.04
  Top Width (ft)          14607.25    Top Width (ft)          10621.45     410.72    3575.08
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         187.99    Hydr. Depth (ft)          122.23     177.36     134.74
  Conv. Total (cfs)       462162200.0    Conv. (cfs)            315807100.0   22578720.0   123776400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10668.98     416.20    3646.32
  Min Ch El (ft)            571.89    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10629.84     666.17    4193.26
  C & E Loss (ft)             0.00    Cum SA (acres)             85.05       3.66      31.19


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1509.*

INPUT
Description:
Station Elevation Data     num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   590.1  680.66  601.23  679.99   983.5  676.17 1002.05  676.01
 1278.54  677.86 1302.67  677.96 1966.99  667.52  2004.1  667.06 2163.69  669.46
 2204.51     670 2753.79     670 2805.75  669.89 3737.28  651.25  3807.8     650
 4425.73     650 4509.23  649.08 4524.08  647.59 4609.44     640 4720.78     640
 4809.85  639.51 5114.18  624.29 5210.67  619.91 5802.62  614.83 5912.11     614
 7671.27     614 7769.62  614.11 7816.01  614.11 7916.21     615 8261.36     615
 8261.36  614.46 8417.24  614.46 8417.24     610 9048.16     610 9218.88  609.78
 9638.26  604.89 9820.11   602.7 9834.96  602.4810020.52     60010621.75     600
10732.63  571.8910832.63  571.8911032.63     60011458.36  602.2312905.84  608.51
13076.13  609.1913280.48  613.4813331.57  623.2613484.83  650.59 13757.3  660.54
13893.54  664.5613927.59  663.9614183.03  660.2514200.06  660.1514404.41  661.98
14608.76     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510621.75     .1511032.63     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10621.7511032.63               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1298302.00   72872.45   481830.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1298302.00   72872.45   481830.70
  Q Total (cfs)           206224.30    Flow (cfs)              140908.30   10077.78   55238.20
  Top Width (ft)          14608.76    Top Width (ft)          10621.75     410.88    3576.13
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         187.99    Hydr. Depth (ft)          122.23     177.36     134.74
  Conv. Total (cfs)       462213900.0    Conv. (cfs)            315820100.0   22587500.0   123806300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10669.28     416.35    3647.36
  Min Ch El (ft)            571.89    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10614.94     665.33    4187.73
  C & E Loss (ft)             0.00    Cum SA (acres)             84.93       3.66      31.15


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1508.5*

INPUT
Description:
Station Elevation Data     num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.11  680.66  601.25  679.99  983.52  676.16 1002.08  676.01
 1278.58  677.86  1302.7  677.96 1967.05  667.52 2004.16  667.06 2163.75  669.46
 2204.58     670 2753.87     670 2805.83  669.88 3737.39  651.25 3807.91     650
 4425.86     650 4509.36  649.06 4524.21  647.58 4609.57     640 4720.91     640
 4809.99   639.5 5114.32  624.28 5210.82  619.91 5802.79  614.83 5912.28     614
 7671.48     614 7769.84  614.11 7816.23  614.11 7916.44     615  8261.6     615
  8261.6  614.45 8417.48  614.45 8417.48     610 9048.42     610 9219.14  609.78
 9638.53  604.88 9820.39  602.69 9835.24  602.4710020.81     60010622.05     600
10733.08  571.8910833.08  571.8911033.08     60011458.94  602.2412906.85  608.52
13077.19  609.19 13281.6  613.53 13332.7  623.3113486.01   650.613758.56  660.55
13894.83  664.56 13928.9  663.9514184.42  660.2514201.45  660.1514405.86  662.01
14610.27     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510622.05     .1511033.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10622.0511033.08               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1298357.00   72898.60   481935.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1298357.00   72898.60   481935.80
  Q Total (cfs)           206224.30    Flow (cfs)              140901.70   10080.45   55242.18
  Top Width (ft)          14610.27    Top Width (ft)          10622.05     411.03    3577.19
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         187.99    Hydr. Depth (ft)          122.23     177.36     134.72
  Conv. Total (cfs)       462260100.0    Conv. (cfs)            315836800.0   22595740.0   123827600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10669.58     416.50    3648.40
  Min Ch El (ft)            571.89    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10600.03     664.49    4182.20
  C & E Loss (ft)             0.00    Cum SA (acres)             84.81       3.65      31.11


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1508.*

INPUT
Description:
Station Elevation Data     num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.13  680.66  601.27  679.99  983.55  676.16 1002.11  676.01
 1278.62  677.86 1302.74  677.96  1967.1  667.52 2004.22  667.06 2163.81  669.46
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 2204.64     670 2753.94     670 2805.91  669.88  3737.5  651.25 3808.01     650
 4425.98     650 4509.49  649.05 4524.34  647.57  4609.7     640 4721.05     640
 4810.12  639.49 5114.47  624.28 5210.97  619.91 5802.95  614.83 5912.44     614
  7671.7     614 7770.06  614.11 7816.45  614.11 7916.66     615 8261.83     615
 8261.83  614.44 8417.72  614.44 8417.72     610 9048.67     610  9219.4  609.77
  9638.8  604.88 9820.67  602.69 9835.51  602.4710021.09     60010622.36     600
10733.54  571.8910833.54  571.8911033.54     60011459.52  602.2412907.85  608.52
13078.25  609.1913282.72  613.5813333.84  623.3513487.19   650.613759.82  660.56
13896.13  664.5513930.21  663.95 14185.8  660.2514202.84  660.1614407.31  662.03
14611.78     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510622.36     .1511033.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10622.3611033.54               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1298403.00   72924.59   482060.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1298403.00   72924.59   482060.50
  Q Total (cfs)           206224.30    Flow (cfs)              140891.80   10083.00   55249.48
  Top Width (ft)          14611.78    Top Width (ft)          10622.36     411.18    3578.24
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         187.99    Hydr. Depth (ft)          122.23     177.35     134.72
  Conv. Total (cfs)       462310700.0    Conv. (cfs)            315849200.0   22603920.0   123857500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10669.89     416.64    3649.44
  Min Ch El (ft)            571.89    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10585.13     663.66    4176.67
  C & E Loss (ft)             0.00    Cum SA (acres)             84.68       3.65      31.07


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1507.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.15  680.66  601.28  679.99  983.58  676.16 1002.14  676.01
 1278.65  677.86 1302.78  677.96 1967.16  667.52 2004.28  667.06 2163.88  669.46
  2204.7     670 2754.02     670 2805.99  669.88  3737.6  651.25 3808.12     650
 4426.11     650 4509.62  649.04 4524.47  647.55 4609.83     640 4721.18     640
 4810.26  639.49 5114.61  624.27 5211.12   619.9 5803.12  614.83 5912.61     614
 7671.92     614 7770.28  614.11 7816.67  614.11 7916.89     615 8262.07     615
 8262.07  614.43 8417.96  614.43 8417.96     610 9048.93     610 9219.67  609.77
 9639.08  604.88 9820.95  602.69 9835.79  602.4610021.38     60010622.66     600
10733.99  571.8910833.99  571.8911033.99     600 11460.1  602.2512908.86  608.52
 13079.3  609.1913283.84  613.6313334.97   623.413488.37  650.6113761.08  660.57
13897.43  664.5513931.52  663.9414187.18  660.2514204.23  660.1614408.76  662.06
14613.29     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510622.66     .1511033.99     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10622.6611033.99               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1298449.00   72950.75   482173.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1298449.00   72950.75   482173.60
  Q Total (cfs)           206224.30    Flow (cfs)              140883.50   10085.68   55255.07
  Top Width (ft)          14613.29    Top Width (ft)          10622.66     411.33    3579.30
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         187.99    Hydr. Depth (ft)          122.23     177.35     134.71
  Conv. Total (cfs)       462356300.0    Conv. (cfs)            315861900.0   22612160.0   123882300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10670.18     416.79    3650.49
  Min Ch El (ft)            571.89    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10570.23     662.82    4171.13
  C & E Loss (ft)             0.00    Cum SA (acres)             84.56       3.64      31.03


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1507.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.16  680.66   601.3  679.99  983.61  676.16 1002.17  676.01
 1278.69  677.86 1302.82  677.96 1967.21  667.52 2004.33  667.07 2163.94  669.46
 2204.77     670  2754.1     670 2806.07  669.88 3737.71  651.25 3808.23     650
 4426.23     650 4509.75  649.03 4524.59  647.54 4609.96     640 4721.32     640
  4810.4  639.48 5114.76  624.26 5211.26   619.9 5803.28  614.83 5912.78     614
 7672.14     614  7770.5  614.11  7816.9  614.11 7917.11     615  8262.3     615
  8262.3  614.43  8418.2  614.43  8418.2     610 9049.19     610 9219.93  609.77
 9639.35  604.87 9821.23  602.68 9836.07  602.4610021.66     60010622.96     600
10734.44  571.8910834.44  571.8911034.44     60011460.67  602.2512909.87  608.52
13080.36   609.213284.96  613.67 13336.1  623.4413489.55  650.6213762.34  660.57
13898.73  664.5413932.83  663.9314188.57  660.2514205.62  660.1614410.21  662.09
 14614.8     695

Manning's n Values        num=       3
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```
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510622.96     .1511034.44     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10622.9611034.44               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1298494.00   72976.91   482299.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1298494.00   72976.91   482299.40
  Q Total (cfs)           206224.30    Flow (cfs)              140873.60   10088.25   55262.47
  Top Width (ft)          14614.80    Top Width (ft)          10622.96     411.48    3580.36
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         187.99    Hydr. Depth (ft)          122.23     177.35     134.71
  Conv. Total (cfs)       462407000.0    Conv. (cfs)            315874200.0   22620400.0   123912400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10670.48     416.94    3651.53
  Min Ch El (ft)            571.89    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10555.32     661.98    4165.60
  C & E Loss (ft)             0.00    Cum SA (acres)             84.44       3.64      30.99


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1506.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.18  680.65  601.32  679.99  983.64  676.16 1002.19  676.01
 1278.73  677.86 1302.85  677.96 1967.27  667.51 2004.39  667.07    2164  669.46
 2204.83     670 2754.18     670 2806.14  669.88 3737.81  651.24 3808.34     650
 4426.36     650 4509.88  649.01 4524.72  647.53  4610.1     640 4721.45     640
 4810.53  639.47  5114.9  624.25 5211.41   619.9 5803.45  614.83 5912.95     614
 7672.36     614 7770.72  614.12 7817.12  614.12 7917.34     615 8262.54     615
 8262.54  614.42 8418.43  614.42 8418.43     610 9049.45     610 9220.19  609.76
 9639.63  604.87 9821.51  602.68 9836.35  602.4510021.95     60010623.26     600
10734.89  571.8810834.89  571.8811034.89     60011461.25  602.2612910.88  608.53
13081.42   609.213286.07  613.7213337.24  623.4913490.72  650.63 13763.6  660.58
13900.03  664.5313934.14  663.9314189.95  660.2514207.01  660.1614411.66  662.12
14616.31     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510623.26     .1511034.89     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10623.2611034.89               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1298551.00   73005.45   482403.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1298551.00   73005.45   482403.90
  Q Total (cfs)           206224.30    Flow (cfs)              140866.80   10091.38   55266.13
  Top Width (ft)          14616.31    Top Width (ft)          10623.26     411.63    3581.42
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.00    Hydr. Depth (ft)          122.24     177.36     134.70
  Conv. Total (cfs)       462454900.0    Conv. (cfs)            315891700.0   22629770.0   123933500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10670.78     417.08    3652.58
  Min Ch El (ft)            571.88    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10540.42     661.14    4160.06
  C & E Loss (ft)             0.00    Cum SA (acres)             84.32       3.63      30.94


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1506.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   590.2  680.65  601.33  679.99  983.66  676.16 1002.22  676.01
 1278.76  677.86 1302.89  677.95 1967.33  667.51 2004.45  667.07 2164.06  669.46
 2204.89     670 2754.26     670 2806.22  669.88 3737.92  651.24 3808.45     650
 4426.49     650    4510     649 4524.85  647.51 4610.23     640 4721.58     640
 4810.67  639.47 5115.05  624.25 5211.56   619.9 5803.61  614.83 5913.12     614
 7672.57     614 7770.94  614.12 7817.34  614.12 7917.56     615 8262.77     615
 8262.77  614.41 8418.67  614.41 8418.67     610  9049.7     610 9220.45  609.76
  9639.9  604.87 9821.79  602.67 9836.63  602.4510022.23     60010623.57     600
10735.35  571.8810835.35  571.8811035.35     60011461.83  602.2612911.88  608.53
13082.48   609.213287.19  613.7713338.37  623.53 13491.9  650.6413764.85  660.59
13901.33  664.5313935.45  663.9214191.34  660.25 14208.4  660.1614413.11  662.14
14617.83     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510623.57     .1511035.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10623.5711035.35               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1298597.00   73031.45   482528.70
```

```
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1298597.00   73031.45   482528.70
  Q Total (cfs)           206224.30    Flow (cfs)              140857.00   10093.93   55273.35
  Top Width (ft)          14617.83    Top Width (ft)          10623.57     411.78    3582.48
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.00    Hydr. Depth (ft)          122.24     177.36     134.69
  Conv. Total (cfs)       462505200.0    Conv. (cfs)            315904100.0   22637960.0   123963200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10671.09     417.23    3653.63
  Min Ch El (ft)            571.88    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10525.51     660.31    4154.52
  C & E Loss (ft)             0.00    Cum SA (acres)             84.20       3.63      30.90


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1505.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.21  680.65  601.35  679.99  983.69  676.16 1002.25  676.02
  1278.8  677.86 1302.93  677.95 1967.38  667.51  2004.5  667.07 2164.12  669.46
 2204.95     670 2754.34     670  2806.3  669.87 3738.03  651.24 3808.56     650
 4426.61     650 4510.13  648.99 4524.98   647.5 4610.36     640 4721.72     640
 4810.81  639.46  5115.2  624.24 5211.71   619.9 5803.78  614.82 5913.28     614
 7672.79     614 7771.16  614.12 7817.56  614.12 7917.79     615 8263.01     615
 8263.01   614.4 8418.91   614.4 8418.91     610 9049.96     610 9220.71  609.76
 9640.18  604.86 9822.07  602.67 9836.91  602.4510022.52     60010623.87     600
 10735.8  571.88 10835.8  571.88 11035.8     60011462.41  602.2612912.89  608.53
13083.54   609.213288.31  613.82 13339.5  623.5813493.08  650.6413766.11   660.6
13902.63  664.5213936.76  663.9114192.72  660.2414209.79  660.1714414.56  662.17
14619.33     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510623.87     .15 11035.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10623.87 11035.8               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1298650.00   73057.60   482653.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1298650.00   73057.60   482653.50
  Q Total (cfs)           206224.30    Flow (cfs)              140847.60   10096.43   55280.30
  Top Width (ft)          14619.33    Top Width (ft)          10623.87     411.93    3583.53
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.00    Hydr. Depth (ft)          122.24     177.35     134.69
  Conv. Total (cfs)       462559200.0    Conv. (cfs)            315919800.0   22646190.0   123993200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10671.39     417.38    3654.67
  Min Ch El (ft)            571.88    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10510.60     659.47    4148.98
  C & E Loss (ft)             0.00    Cum SA (acres)             84.08       3.62      30.86


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1505.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.23  680.65  601.37  679.99  983.72  676.16 1002.28  676.02
 1278.84  677.86 1302.96  677.95 1967.44  667.51 2004.56  667.07 2164.18  669.46
 2205.02     670 2754.41     670 2806.38  669.87 3738.13  651.24 3808.66     650
 4426.74     650 4510.26  648.97 4525.11  647.49 4610.49     640 4721.85     640
 4810.94  639.45 5115.34  624.23 5211.86   619.9 5803.94  614.82 5913.45     614
 7673.01     614 7771.38  614.12 7817.78  614.12 7918.01     615 8263.24     615
 8263.24   614.4 8419.15   614.4 8419.15     610 9050.22     610 9220.98  609.76
 9640.45  604.86 9822.34  602.66 9837.19  602.44 10022.8     60010624.17     600
10736.25  571.8810836.25  571.8811036.25     60011462.99  602.27 12913.9  608.53
13084.59   609.213289.43  613.8713340.63  623.6313494.26  650.6513767.37   660.6
13903.93  664.5213938.07  663.9114194.11  660.2414211.18  660.1714416.01   662.2
14620.85     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510624.17     .1511036.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10624.1711036.25               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1298694.00   73083.76   482767.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1298694.00   73083.76   482767.90
  Q Total (cfs)           206224.30    Flow (cfs)              140839.10   10099.11   55286.07
  Top Width (ft)          14620.85    Top Width (ft)          10624.17     412.08    3584.60
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.00    Hydr. Depth (ft)          122.24     177.35     134.68
  Conv. Total (cfs)       462604500.0    Conv. (cfs)            315931800.0   22654430.0   124018300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10671.69     417.52    3655.72
  Min Ch El (ft)            571.88    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10495.70     658.63    4143.44
  C & E Loss (ft)             0.00    Cum SA (acres)             83.95       3.62      30.82
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1504.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.25  680.65  601.39  679.99  983.75  676.16 1002.31  676.02
 1278.87  677.86    1303  677.95 1967.49  667.51 2004.62  667.07 2164.24  669.46
 2205.08     670 2754.49     670 2806.46  669.87 3738.24  651.24 3808.77     650
 4426.86     650 4510.39  648.96 4525.24  647.48 4610.62     640 4721.99     640
 4811.08  639.45 5115.49  624.23    5212   619.9 5804.11  614.82 5913.62     614
 7673.23     614  7771.6  614.12 7818.01  614.12 7918.24     615 8263.48     615
 8263.48  614.39 8419.39  614.39 8419.39     610 9050.48     610 9221.24  609.75
 9640.72  604.86 9822.62  602.66 9837.47  602.4410023.09     60010624.47     600
10736.71  571.8810836.71  571.8811036.71     60011463.57  602.27 12914.9  608.54
13085.65   609.213290.54  613.9213341.77  623.6713495.44  650.6613768.63  660.61
13905.23  664.5113939.38   663.914195.49  660.2414212.57  660.1714417.46  662.23
14622.36     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510624.47     .1511036.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10624.4711036.71               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1298736.00   73111.62   482882.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1298736.00   73111.62   482882.80
  Q Total (cfs)           206224.30    Flow (cfs)              140830.20   10102.03   55292.09
  Top Width (ft)          14622.36    Top Width (ft)          10624.47     412.24    3585.65
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.00    Hydr. Depth (ft)          122.24     177.35     134.67
  Conv. Total (cfs)       462650000.0    Conv. (cfs)            315942800.0   22663210.0   124044000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10671.98     417.68    3656.76
  Min Ch El (ft)            571.88    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10480.79     657.79    4137.90
  C & E Loss (ft)             0.00    Cum SA (acres)             83.83       3.62      30.78


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1504.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.27  680.65   601.4  679.99  983.78  676.16 1002.34  676.02
 1278.91  677.86 1303.04  677.95 1967.55  667.51 2004.67  667.07 2164.31  669.46
 2205.14     670 2754.57     670 2806.54  669.87 3738.35  651.23 3808.88     650
 4426.99     650 4510.52  648.95 4525.37  647.46 4610.75     640 4722.12     640
 4811.22  639.44 5115.63  624.22 5212.15   619.9 5804.27  614.82 5913.79     614
 7673.45     614 7771.82  614.12 7818.23  614.12 7918.46     615 8263.71     615
 8263.71  614.38 8419.63  614.38 8419.63     610 9050.73     610  9221.5  609.75
    9641  604.86  9822.9  602.66 9837.75  602.4310023.37     60010624.77     600
10737.16  571.8810837.16  571.8811037.16     60011464.15  602.2812915.91  608.54
13086.71   609.213291.66  613.96 13342.9  623.7213496.62  650.6713769.89  660.62
13906.53   664.513940.68  663.8914196.88  660.2414213.96  660.1714418.91  662.25
14623.87     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510624.77     .1511037.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10624.7711037.16               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1298785.00   73137.78   483000.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1298785.00   73137.78   483000.10
  Q Total (cfs)           206224.30    Flow (cfs)              140821.60   10104.64   55298.05
  Top Width (ft)          14623.87    Top Width (ft)          10624.77     412.39    3586.71
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.00    Hydr. Depth (ft)          122.24     177.35     134.66
  Conv. Total (cfs)       462698800.0    Conv. (cfs)            315956900.0   22671450.0   124070400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10672.29     417.82    3657.81
  Min Ch El (ft)            571.88    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10465.88     656.95    4132.36
  C & E Loss (ft)             0.00    Cum SA (acres)             83.71       3.61      30.74


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1503.5*

INPUT
Description:
Station Elevation Data    num=      56
```

```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.28  680.65  601.42  679.99   983.8  676.16 1002.37  676.02
 1278.94  677.86 1303.08  677.95 1967.61  667.51 2004.73  667.07 2164.37  669.47
  2205.2     670 2754.65     670 2806.62  669.87 3738.45  651.23 3808.99     650
 4427.11     650 4510.65  648.94  4525.5  647.45 4610.88     640 4722.26     640
 4811.35  639.43 5115.78  624.21  5212.3  619.89 5804.44  614.82 5913.96     614
 7673.67     614 7772.05  614.13 7818.45  614.13 7918.69     615 8263.95     615
 8263.95  614.37 8419.87  614.37 8419.87     610 9050.99     610 9221.76  609.75
 9641.27  604.85 9823.18  602.65 9838.03  602.4310023.66     60010625.08     600
10737.61  571.8710837.61  571.8711037.61     60011464.73  602.2812916.92  608.54
13087.76   609.213292.78  614.0113344.03  623.7613497.79  650.6813771.15  660.63
13907.83   664.513941.99  663.8914198.26  660.2414215.35  660.1814420.36  662.28
14625.38     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510625.08     .1511037.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10625.0811037.61               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1298836.00   73164.64   483120.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1298836.00   73164.64   483120.70
  Q Total (cfs)           206224.30    Flow (cfs)              140812.40   10107.46   55304.41
  Top Width (ft)          14625.38    Top Width (ft)          10625.08     412.53    3587.77
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.01    Hydr. Depth (ft)          122.24     177.36     134.66
  Conv. Total (cfs)       462749900.0    Conv. (cfs)            315971200.0   22680280.0   124098400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10672.59     417.96    3658.86
  Min Ch El (ft)            571.87    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10450.97     656.11    4126.81
  C & E Loss (ft)             0.00    Cum SA (acres)             83.59       3.61      30.70


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1503.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   590.3  680.65  601.44  679.99  983.83  676.16 1002.39  676.02
 1278.98  677.86 1303.11  677.95 1967.66  667.51 2004.79  667.07 2164.43  669.47
 2205.27     670 2754.73     670  2806.7  669.87 3738.56  651.23  3809.1     650
 4427.24     650 4510.77  648.92 4525.62  647.44 4611.01     640 4722.39     640
 4811.49  639.43 5115.92   624.2 5212.45  619.89  5804.6  614.82 5914.13     614
 7673.88     614 7772.27  614.13 7818.67  614.13 7918.91     615 8264.18     615
 8264.18  614.37 8420.11  614.37 8420.11     610 9051.25     610 9222.03  609.74
 9641.55  604.85 9823.46  602.65 9838.31  602.4310023.94     60010625.38     600
10738.07  571.8710838.07  571.8711038.07     60011465.31  602.2912917.92  608.54
13088.82  609.21 13293.9  614.0613345.17  623.8113498.97  650.6913772.41  660.63
13909.12  664.49 13943.3  663.8814199.65  660.2414216.74  660.1814421.81  662.31
14626.89     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510625.38     .1511038.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10625.3811038.07               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1298879.00   73192.50   483233.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1298879.00   73192.50   483233.30
  Q Total (cfs)           206224.30    Flow (cfs)              140803.90   10110.38   55310.05
  Top Width (ft)          14626.89    Top Width (ft)          10625.38     412.69    3588.82
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.01    Hydr. Depth (ft)          122.24     177.35     134.65
  Conv. Total (cfs)       462795000.0    Conv. (cfs)            315982800.0   22689050.0   124123200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10672.89     418.12    3659.90
  Min Ch El (ft)            571.87    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10436.07     655.27    4121.27
  C & E Loss (ft)             0.00    Cum SA (acres)             83.47       3.60      30.66


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1502.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.32  680.65  601.45  679.99  983.86  676.16 1002.42  676.02
 1279.02  677.86 1303.15  677.95 1967.72  667.51 2004.85  667.07 2164.49  669.47
 2205.33     670 2754.81     670 2806.78  669.86 3738.67  651.23 3809.21     650
 4427.37     650  4510.9  648.91 4525.75  647.42 4611.14     640 4722.52     640
 4811.63  639.42 5116.07   624.2  5212.6  619.89 5804.77  614.82 5914.29     614
  7674.1     614 7772.49  614.13  7818.9  614.13 7919.14     615 8264.42     615
 8264.42  614.36 8420.35  614.36 8420.35     610  9051.5     610 9222.29  609.74
 9641.82  604.85 9823.74  602.64 9838.59  602.4210024.23     60010625.68     600
10738.52  571.8710838.52  571.8711038.52     60011465.89  602.2912918.93  608.55
13089.88  609.2113295.01  614.11 13346.3  623.8513500.15  650.6913773.67  660.64
13910.42  664.4913944.61  663.8714201.03  660.2414218.13  660.1814423.26  662.34
```

```
 14628.4     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510625.68     .1511038.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10625.6811038.52               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1298927.00   73218.48   483350.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1298927.00   73218.48   483350.90
  Q Total (cfs)           206224.30    Flow (cfs)              140795.20   10112.97   55316.14
  Top Width (ft)          14628.40    Top Width (ft)          10625.68     412.84    3589.88
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.01    Hydr. Depth (ft)          122.24     177.35     134.64
  Conv. Total (cfs)       462843500.0    Conv. (cfs)            315996400.0   22697240.0   124149800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10673.19     418.26    3660.94
  Min Ch El (ft)            571.87    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10421.16     654.43    4115.72
  C & E Loss (ft)             0.00    Cum SA (acres)             83.34       3.60      30.62


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1502.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.33  680.64  601.47  679.99  983.89  676.16 1002.45  676.02
 1279.05  677.86 1303.19  677.95 1967.77  667.51  2004.9  667.07 2164.55  669.47
 2205.39     670 2754.88     670 2806.86  669.86 3738.77  651.22 3809.31     650
 4427.49     650 4511.03   648.9 4525.88  647.41 4611.28     640 4722.66     640
 4811.77  639.41 5116.21  624.19 5212.75  619.89 5804.93  614.81 5914.46     614
 7674.32     614 7772.71  614.13 7819.12  614.13 7919.36     615 8264.65     615
 8264.65  614.35 8420.59  614.35 8420.59     610 9051.76     610 9222.55  609.74
 9642.09  604.84 9824.02  602.64 9838.87  602.4210024.51     60010625.98     600
10738.97  571.8710838.97  571.8711038.97     60011466.47   602.312919.94  608.55
13090.94  609.2113296.13  614.1613347.43   623.913501.33   650.713774.92  660.65
13911.72  664.4813945.92  663.8714202.42  660.2414219.52  660.1814424.71  662.36
14629.91     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510625.98     .1511038.97     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10625.9811038.97               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1298985.00   73244.48   483465.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1298985.00   73244.48   483465.20
  Q Total (cfs)           206224.30    Flow (cfs)              140787.50   10115.50   55321.26
  Top Width (ft)          14629.91    Top Width (ft)          10625.98     412.99    3590.94
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.01    Hydr. Depth (ft)          122.25     177.35     134.63
  Conv. Total (cfs)       462894600.0    Conv. (cfs)            316014100.0   22705420.0   124175000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10673.49     418.41    3661.99
  Min Ch El (ft)            571.87    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10406.25     653.59    4110.17
  C & E Loss (ft)             0.00    Cum SA (acres)             83.22       3.59      30.57


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1501.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.35  680.64  601.49  679.99  983.92  676.16 1002.48  676.02
 1279.09  677.86 1303.22  677.95 1967.83  667.51 2004.96  667.07 2164.61  669.47
 2205.46     670 2754.96     670 2806.94  669.86 3738.88  651.22 3809.42     650
 4427.62     650 4511.16  648.88 4526.01   647.4 4611.41     640 4722.79     640
  4811.9   639.4 5116.36  624.18 5212.89  619.89  5805.1  614.81 5914.63     614
 7674.54     614 7772.93  614.13 7819.34  614.13 7919.59     615 8264.89     615
 8264.89  614.34 8420.83  614.34 8420.83     610 9052.02     610 9222.81  609.73
 9642.37  604.84  9824.3  602.64 9839.15  602.41 10024.8     60010626.28     600
10739.43  571.8710839.43  571.8711039.43     60011467.04   602.312920.95  608.55
13091.99  609.2113297.25  614.2113348.57  623.9413502.51  650.7113776.18  660.66
13913.02  664.4713947.23  663.86 14203.8  660.2414220.91  660.1814426.16  662.39
14631.42     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510626.28     .1511039.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10626.2811039.43               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
```

```
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1299032.00   73272.34   483588.00
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1299032.00   73272.34   483588.00
  Q Total (cfs)          206224.30    Flow (cfs)              140777.90   10118.29   55328.13
  Top Width (ft)         14631.42    Top Width (ft)          10626.28     413.15    3591.99
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        188.01    Hydr. Depth (ft)          122.25     177.35     134.63
  Conv. Total (cfs)      462945700.0    Conv. (cfs)            316027300.0   22714190.0   124204200.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10673.79     418.56    3663.03
  Min Ch El (ft)           571.87    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    10391.34     652.75    4104.62
  C & E Loss (ft)            0.00    Cum SA (acres)             83.10       3.59      30.53


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1501.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.37  680.64   601.5  679.98  983.94  676.16 1002.51  676.02
 1279.13  677.86 1303.26  677.95 1967.89   667.5 2005.02  667.08 2164.68  669.47
 2205.52     670 2755.04     670 2807.02  669.86 3738.98  651.22 3809.53     650
 4427.74     650 4511.29  648.87 4526.14  647.39 4611.54     640 4722.93     640
 4812.04   639.4  5116.5  624.17 5213.04  619.89 5805.26  614.81  5914.8     614
 7674.76     614 7773.15  614.13 7819.56  614.13 7919.81     615 8265.12     615
 8265.12  614.34 8421.07  614.34 8421.07     610 9052.28     610 9223.08  609.73
 9642.64  604.84 9824.58  602.63 9839.43  602.4110025.08     60010626.59     600
10739.88  571.8710839.88  571.8711039.88     60011467.62  602.3112921.95  608.55
13093.05  609.2113298.37  614.25 13349.7  623.9913503.69  650.7213777.44  660.66
13914.32  664.4713948.54  663.8514205.19  660.24 14222.3  660.1914427.61  662.42
14632.93     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510626.59     .1511039.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10626.5911039.88               .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1299079.00   73296.80   483703.20
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1299079.00   73296.80   483703.20
  Q Total (cfs)          206224.30    Flow (cfs)              140769.60   10120.71   55334.01
  Top Width (ft)         14632.93    Top Width (ft)          10626.59     413.29    3593.05
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        188.01    Hydr. Depth (ft)          122.25     177.35     134.62
  Conv. Total (cfs)      462991900.0    Conv. (cfs)            316040200.0   22721890.0   124229800.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10674.10     418.70    3664.08
  Min Ch El (ft)           571.87    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    10376.42     651.91    4099.07
  C & E Loss (ft)            0.00    Cum SA (acres)             82.98       3.58      30.49


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1500.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.38  680.64  601.52  679.98  983.97  676.16 1002.54  676.02
 1279.16  677.86  1303.3  677.95 1967.94   667.5 2005.07  667.08 2164.74  669.47
 2205.58     670 2755.12     670  2807.1  669.86 3739.09  651.22 3809.64     650
 4427.87     650 4511.42  648.86 4526.27  647.37 4611.67     640 4723.06     640
 4812.18  639.39 5116.65  624.17 5213.19  619.89 5805.43  614.81 5914.97     614
 7674.98     614 7773.37  614.13 7819.79  614.13 7920.04     615 8265.36     615
 8265.36  614.33 8421.31  614.33 8421.31     610 9052.53     610 9223.34  609.73
 9642.92  604.83 9824.86  602.63 9839.71   602.410025.37     60010626.89     600
10740.33  571.8710840.33  571.8711040.33     600 11468.2  602.3112922.96  608.56
13094.11  609.2113299.49   614.313350.83  624.0313504.86  650.73 13778.7  660.67
13915.62  664.4613949.85  663.8514206.57  660.2414223.69  660.1914429.06  662.45
14634.44     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510626.89     .1511040.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10626.8911040.33               .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1299124.00   73322.95   483817.70
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1299124.00   73322.95   483817.70
  Q Total (cfs)          206224.30    Flow (cfs)              140761.20   10123.37   55339.77
  Top Width (ft)         14634.44    Top Width (ft)          10626.89     413.44    3594.11
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        188.01    Hydr. Depth (ft)          122.25     177.35     134.61
  Conv. Total (cfs)      463038000.0    Conv. (cfs)            316052800.0   22730120.0   124255100.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10674.40     418.84    3665.13
  Min Ch El (ft)           571.87    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
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  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10361.51     651.07    4093.52
  C & E Loss (ft)             0.00    Cum SA (acres)             82.86       3.58      30.45


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1500.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   590.4  680.64  601.54  679.98     984  676.16 1002.57  676.02
  1279.2  677.86 1303.33  677.95    1968   667.5 2005.13  667.08  2164.8  669.47
 2205.64     670  2755.2     670 2807.18  669.86  3739.2  651.22 3809.75     650
    4428     650 4511.54  648.85  4526.4  647.36  4611.8     640  4723.2     640
 4812.31  639.38  5116.8  624.16 5213.34  619.89 5805.59  614.81 5915.13     614
 7675.19     614 7773.59  614.14 7820.01  614.14 7920.26     615 8265.59     615
 8265.59  614.32 8421.55  614.32 8421.55     610 9052.79     610  9223.6  609.72
 9643.19  604.83 9825.14  602.62 9839.99   602.410025.65     60010627.19     600
10740.79  571.8610840.79  571.8611040.79     60011468.78  602.3212923.97  608.56
13095.17  609.21 13300.6  614.3513351.96  624.0813506.04  650.7313779.96  660.68
13916.92  664.4613951.16  663.8414207.96  660.2414225.08  660.1914430.51  662.47
14635.95     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510627.19     .1511040.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10627.1911040.79               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1299170.00   73353.21   483933.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299170.00   73353.21   483933.10
  Q Total (cfs)           206224.30    Flow (cfs)              140752.00   10126.72   55345.55
  Top Width (ft)          14635.95    Top Width (ft)          10627.19     413.60    3595.16
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.02    Hydr. Depth (ft)          122.25     177.35     134.61
  Conv. Total (cfs)       463086400.0    Conv. (cfs)             316065300.0   22740030.0   124281000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10674.69     419.00    3666.16
  Min Ch El (ft)            571.86    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10346.60     650.22    4087.96
  C & E Loss (ft)             0.00    Cum SA (acres)             82.73       3.57      30.41


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1499.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.42  680.64  601.56  679.98  984.03  676.16 1002.59  676.02
 1279.24  677.86 1303.37  677.95 1968.05   667.5 2005.19  667.08 2164.86  669.47
 2205.71     670 2755.28     670 2807.26  669.85  3739.3  651.21 3809.86     650
 4428.12     650 4511.67  648.83 4526.52  647.35 4611.93     640 4723.33     640
 4812.45  639.38 5116.94  624.15 5213.49  619.88 5805.76  614.81  5915.3     614
 7675.41     614 7773.81  614.14 7820.23  614.14 7920.49     615 8265.83     615
 8265.83  614.31 8421.79  614.31 8421.79     610 9053.05     610 9223.86  609.72
 9643.47  604.83 9825.42  602.62 9840.27   602.410025.94     60010627.49     600
10741.24  571.8610841.24  571.8611041.24     60011469.36  602.3212924.97  608.56
13096.22  609.2213301.72   614.4 13353.1  624.1213507.22  650.7413781.22  660.69
13918.22  664.4513952.47  663.8314209.34  660.2414226.46  660.1914431.96   662.5
14637.46     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510627.49     .1511041.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10627.4911041.24               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1299225.00   73379.38   484055.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299225.00   73379.38   484055.60
  Q Total (cfs)           206224.30    Flow (cfs)              140743.10   10129.22   55351.97
  Top Width (ft)          14637.46    Top Width (ft)          10627.49     413.75    3596.22
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.02    Hydr. Depth (ft)          122.25     177.35     134.60
  Conv. Total (cfs)       463139800.0    Conv. (cfs)             316081700.0   22748270.0   124309800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10674.99     419.15    3667.21
  Min Ch El (ft)            571.86    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10331.69     649.38    4082.41
  C & E Loss (ft)             0.00    Cum SA (acres)             82.61       3.57      30.37


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1499.*
```

```
INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.43  680.64  601.57  679.98  984.06  676.16 1002.62  676.02
 1279.27  677.86 1303.41  677.95 1968.11   667.5 2005.24  667.08 2164.92  669.47
 2205.77     670 2755.35     670 2807.34  669.85 3739.41  651.21 3809.96     650
 4428.25     650  4511.8  648.82 4526.65  647.33 4612.06     640 4723.46     640
 4812.59  639.37 5117.09  624.15 5213.64  619.88 5805.92  614.81 5915.47     614
 7675.63     614 7774.03  614.14 7820.45  614.14 7920.71     615 8266.06     615
 8266.06  614.31 8422.03  614.31 8422.03     610 9053.31     610 9224.12  609.72
 9643.74  604.82  9825.7  602.61 9840.55  602.3910026.22     60010627.79     600
10741.69  571.8610841.69  571.8611041.69     60011469.94  602.3312925.98  608.56
13097.28  609.2213302.84  614.4513354.23  624.17 13508.4  650.7513782.48  660.69
13919.52  664.4413953.78  663.8314210.72  660.2414227.86  660.1914433.41  662.53
14638.97     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510627.79     .1511041.69     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10627.7911041.69               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1299270.00   73405.53   484169.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299270.00   73405.53   484169.90
  Q Total (cfs)           206224.30    Flow (cfs)              140734.70   10131.88   55357.75
  Top Width (ft)          14638.97    Top Width (ft)          10627.79     413.90    3597.28
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.02    Hydr. Depth (ft)          122.25     177.35     134.59
  Conv. Total (cfs)       463185700.0    Conv. (cfs)            316094100.0   22756500.0   124335100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10675.29     419.30    3668.26
  Min Ch El (ft)            571.86    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10316.77     648.54    4076.85
  C & E Loss (ft)             0.00    Cum SA (acres)             82.49       3.56      30.33


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1498.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.45  680.64  601.59  679.98  984.08  676.16 1002.65  676.02
 1279.31  677.86 1303.45  677.95 1968.17   667.5  2005.3  667.08 2164.98  669.47
 2205.83     670 2755.43     670 2807.42  669.85 3739.52  651.21 3810.07     650
 4428.37     650 4511.93  648.81 4526.78  647.32 4612.19     640  4723.6     640
 4812.72  639.36 5117.23  624.14 5213.78  619.88 5806.09   614.8 5915.64     614
 7675.85     614 7774.26  614.14 7820.67  614.14 7920.94     615  8266.3     615
  8266.3   614.3 8422.27   614.3 8422.27     610 9053.56     610 9224.39  609.72
 9644.01  604.82 9825.98  602.61 9840.83  602.3910026.51     600 10628.1     600
10742.14  571.8610842.14  571.8611042.14     60011470.52  602.3312926.99  608.57
13098.34  609.2213303.96   614.513355.36  624.2113509.58  650.7613783.74   660.7
13920.82  664.4413955.08  663.8214212.11  660.2414229.25   660.214434.86  662.56
14640.48     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10628.1     .1511042.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10628.111042.14               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1299318.00   73429.83   484284.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299318.00   73429.83   484284.10
  Q Total (cfs)           206224.30    Flow (cfs)              140726.60   10134.28   55363.42
  Top Width (ft)          14640.48    Top Width (ft)          10628.10     414.04    3598.34
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.02    Hydr. Depth (ft)          122.25     177.35     134.59
  Conv. Total (cfs)       463231900.0    Conv. (cfs)            316107600.0   22764150.0   124360200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10675.60     419.43    3669.31
  Min Ch El (ft)            571.86    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10301.86     647.70    4071.29
  C & E Loss (ft)             0.00    Cum SA (acres)             82.37       3.56      30.29


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1498.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.47  680.64  601.61  679.98  984.11  676.16 1002.68  676.02
 1279.34  677.86 1303.48  677.95 1968.22   667.5 2005.36  667.08 2165.04  669.48
 2205.89     670 2755.51     670  2807.5  669.85 3739.62  651.21 3810.18     650
  4428.5     650 4512.06  648.79 4526.91  647.31 4612.32     640 4723.73     640
 4812.86  639.36 5117.38  624.13 5213.93  619.88 5806.25   614.8 5915.81     614
 7676.07     614 7774.48  614.14  7820.9  614.14 7921.17     615 8266.53     615
 8266.53  614.29  8422.5  614.29  8422.5     610 9053.82     610 9224.65  609.71
 9644.29  604.82 9826.26  602.61 9841.11  602.3810026.79     600 10628.4     600
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 10742.6  571.86 10842.6  571.86 11042.6     600 11471.1  602.33   12928  608.57
 13099.4  609.2213305.08  614.54 13356.5  624.2613510.75  650.77   13785  660.71
13922.12  664.4313956.39  663.8114213.49  660.2414230.63   660.214436.31  662.58
14641.99     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10628.4     .15 11042.6     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10628.4 11042.6               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1299363.00   73457.52   484409.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299363.00   73457.52   484409.00
  Q Total (cfs)           206224.30    Flow (cfs)              140716.60   10137.04   55370.66
  Top Width (ft)          14641.99    Top Width (ft)          10628.40     414.20    3599.39
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.02    Hydr. Depth (ft)          122.25     177.35     134.58
  Conv. Total (cfs)       463282800.0    Conv. (cfs)            316119800.0   22772860.0   124390200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10675.90     419.59    3670.35
  Min Ch El (ft)            571.86    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10286.95     646.85    4065.73
  C & E Loss (ft)             0.00    Cum SA (acres)             82.25       3.55      30.24


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1497.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.48  680.63  601.62  679.98  984.14  676.16 1002.71  676.02
 1279.38  677.86 1303.52  677.94 1968.28   667.5 2005.42  667.08 2165.11  669.48
 2205.96     670 2755.59     670 2807.58  669.85 3739.73  651.21 3810.29     650
 4428.62     650 4512.18  648.78 4527.04   647.3 4612.46     640 4723.87     640
    4813  639.35 5117.52  624.12 5214.08  619.88 5806.42   614.8 5915.98     614
 7676.28     614  7774.7  614.14 7821.12  614.14 7921.39     615 8266.77     615
 8266.77  614.28 8422.74  614.28 8422.74     610 9054.08     610 9224.91  609.71
 9644.56  604.81 9826.54   602.6 9841.39  602.3810027.08     600 10628.7     600
10743.05  571.8610843.05  571.8611043.05     60011471.68  602.34   12929  608.57
13100.45  609.2213306.19  614.5913357.63  624.3113511.93  650.7713786.25  660.72
13923.41  664.43 13957.7  663.8114214.88  660.2414232.02   660.214437.76  662.61
 14643.5     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10628.7     .1511043.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10628.711043.05               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1299417.00   73483.68   484522.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299417.00   73483.68   484522.30
  Q Total (cfs)           206224.30    Flow (cfs)              140708.80   10139.63   55375.88
  Top Width (ft)          14643.50    Top Width (ft)          10628.70     414.35    3600.45
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.02    Hydr. Depth (ft)          122.26     177.35     134.57
  Conv. Total (cfs)       463331800.0    Conv. (cfs)            316135700.0   22781100.0   124415000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10676.20     419.73    3671.39
  Min Ch El (ft)            571.86    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10272.03     646.01    4060.17
  C & E Loss (ft)             0.00    Cum SA (acres)             82.12       3.55      30.20


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1497.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   590.5  680.63  601.64  679.98  984.17  676.16 1002.74  676.02
 1279.42  677.86 1303.56  677.94 1968.33   667.5 2005.47  667.08 2165.17  669.48
 2206.02     670 2755.67     670 2807.66  669.85 3739.83   651.2  3810.4     650
 4428.75     650 4512.31  648.77 4527.17  647.28 4612.59     640    4724     640
 4813.13  639.34 5117.67  624.12 5214.23  619.88 5806.58   614.8 5916.14     614
  7676.5     614 7774.92  614.15 7821.34  614.15 7921.62     615    8267     615
    8267  614.27 8422.98  614.27 8422.98     610 9054.34     610 9225.17  609.71
 9644.84  604.81 9826.81   602.6 9841.67  602.3710027.36     600   10629     600
 10743.5  571.85 10843.5  571.85 11043.5     60011472.26  602.3412930.01  608.58
13101.51  609.2213307.31  614.6413358.76  624.3513513.11  650.7813787.51  660.73
13924.71  664.4213959.01   663.814216.26  660.2414233.41   660.214439.21  662.64
14645.01     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10629     .15 11043.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10629 11043.5               .5      .5      .5             .1       .3
```

```
CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1299463.00   73512.41   484638.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299463.00   73512.41   484638.30
  Q Total (cfs)           206224.30    Flow (cfs)              140699.90   10142.78   55381.67
  Top Width (ft)          14645.01    Top Width (ft)          10629.00     414.50    3601.51
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.03    Hydr. Depth (ft)          122.26     177.35     134.57
  Conv. Total (cfs)       463380000.0    Conv. (cfs)            316148500.0   22790520.0   124441000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10676.50     419.88    3672.44
  Min Ch El (ft)            571.85    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10257.12     645.17    4054.61
  C & E Loss (ft)             0.00    Cum SA (acres)             82.00       3.54      30.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1496.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.52  680.63  601.66  679.98  984.19  676.16 1002.76  676.02
 1279.45  677.86 1303.59  677.94 1968.39   667.5 2005.53  667.08 2165.23  669.48
 2206.08     670 2755.75     670 2807.74  669.85 3739.94   651.2 3810.51     650
 4428.88     650 4512.44  648.76  4527.3  647.27 4612.72     640 4724.14     640
 4813.27  639.34 5117.81  624.11 5214.38  619.88 5806.75   614.8 5916.31     614
 7676.72     614 7775.14  614.15 7821.56  614.15 7921.84     615 8267.24     615
 8267.24  614.27 8423.22  614.27 8423.22     610 9054.59     610 9225.43   609.7
 9645.11  604.81 9827.09  602.59 9841.95  602.3710027.65     600 10629.3     600
10743.96  571.8510843.96  571.8511043.96     60011472.83  602.3512931.02  608.58
13102.57  609.2213308.43  614.6913359.89   624.413514.29  650.7913788.77  660.73
13926.01  664.4113960.32  663.7914217.65  660.24 14234.8  660.2114440.67  662.67
14646.53     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10629.3     .1511043.96     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10629.311043.96               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1299506.00   73540.27   484752.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299506.00   73540.27   484752.40
  Q Total (cfs)           206224.30    Flow (cfs)              140691.20   10145.68   55387.41
  Top Width (ft)          14646.53    Top Width (ft)          10629.30     414.66    3602.57
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.03    Hydr. Depth (ft)          122.26     177.35     134.56
  Conv. Total (cfs)       463425600.0    Conv. (cfs)            316160200.0   22799290.0   124466200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10676.79     420.04    3673.49
  Min Ch El (ft)            571.85    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10242.20     644.32    4049.05
  C & E Loss (ft)             0.00    Cum SA (acres)             81.88       3.54      30.12


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1496.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.53  680.63  601.68  679.98  984.22  676.16 1002.79  676.02
 1279.49  677.86 1303.63  677.94 1968.45   667.5 2005.59  667.08 2165.29  669.48
 2206.15     670 2755.82     670 2807.82  669.84 3740.05   651.2 3810.61     650
    4429     650 4512.57  648.74 4527.43  647.26 4612.85     640 4724.27     640
 4813.41  639.33 5117.96   624.1 5214.52  619.88 5806.92   614.8 5916.48     614
 7676.94     614 7775.36  614.15 7821.79  614.15 7922.07     615 8267.47     615
 8267.47  614.26 8423.46  614.26 8423.46     610 9054.85     610  9225.7   609.7
 9645.38   604.8 9827.37  602.59 9842.23  602.3710027.93     60010629.61     600
10744.41  571.8510844.41  571.8511044.41     60011473.41  602.3512932.02  608.58
13103.62  609.2313309.55  614.7413361.03  624.4413515.47   650.813790.03  660.74
13927.31  664.4113961.63  663.7914219.03  660.2414236.19  660.2114442.12  662.69
14648.04     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510629.61     .1511044.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10629.6111044.41               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1299559.00   73564.56   484874.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299559.00   73564.56   484874.40
  Q Total (cfs)           206224.30    Flow (cfs)              140682.40   10147.95   55393.95
  Top Width (ft)          14648.04    Top Width (ft)          10629.61     414.80    3603.63
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.03    Hydr. Depth (ft)          122.26     177.35     134.55
  Conv. Total (cfs)       463477200.0    Conv. (cfs)            316175600.0   22806930.0   124494700.0
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```
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10677.10     420.17    3674.54
  Min Ch El (ft)           571.85    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    10227.28     643.48    4043.48
  C & E Loss (ft)            0.00    Cum SA (acres)             81.76       3.53      30.08


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1495.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.55  680.63  601.69  679.98  984.25  676.16 1002.82  676.02
 1279.53  677.86 1303.67  677.94  1968.5  667.49 2005.64  667.08 2165.35  669.48
 2206.21     670  2755.9     670  2807.9  669.84 3740.15   651.2 3810.72     650
 4429.13     650  4512.7  648.73 4527.55  647.24 4612.98     640  4724.4     640
 4813.54  639.32  5118.1  624.09 5214.67  619.87 5807.08   614.8 5916.65     614
 7677.16     614 7775.58  614.15 7822.01  614.15 7922.29     615 8267.71     615
 8267.71  614.25  8423.7  614.25  8423.7     610 9055.11     610 9225.96   609.7
 9645.66   604.8 9827.65  602.59 9842.51  602.3610028.22     60010629.91     600
10744.86  571.8510844.86  571.8511044.86     60011473.99  602.3612933.03  608.58
13104.68  609.2313310.67  614.7913362.16  624.4913516.65  650.8113791.29  660.75
13928.61   664.413962.94  663.7814220.42  660.2414237.58  660.2114443.57  662.72
14649.55     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510629.91     .1511044.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10629.9111044.86               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1299611.00   73590.73   484988.10
  E.G. Slope (ft/ft)      0.000000   Area (sq ft)            1299611.00   73590.73   484988.10
  Q Total (cfs)           206224.30   Flow (cfs)              140674.50   10150.55   55399.28
  Top Width (ft)          14649.55   Top Width (ft)          10629.91     414.95    3604.69
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        188.03    Hydr. Depth (ft)          122.26     177.35     134.54
  Conv. Total (cfs)       463525500.0    Conv. (cfs)          316190700.0   22815160.0   124519700.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10677.40     420.32    3675.59
  Min Ch El (ft)           571.85    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    10212.37     642.63    4037.92
  C & E Loss (ft)            0.00    Cum SA (acres)             81.64       3.53      30.04


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1495.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.57  680.63  601.71  679.98  984.28  676.16 1002.85  676.02
 1279.56  677.86 1303.71  677.94 1968.56  667.49  2005.7  667.09 2165.41  669.48
 2206.27     670 2755.98     670 2807.98  669.84 3740.26  651.19 3810.83     650
 4429.25     650 4512.83  648.72 4527.68  647.23 4613.11     640 4724.54     640
 4813.68  639.32 5118.25  624.09 5214.82  619.87 5807.25   614.8 5916.82     614
 7677.38     614  7775.8  614.15 7822.23  614.15 7922.52     615 8267.94     615
 8267.94  614.24 8423.94  614.24 8423.94     610 9055.37     610 9226.22  609.69
 9645.93   604.8 9827.93  602.58 9842.79  602.36 10028.5     60010630.21     600
10745.32  571.8510845.32  571.8511045.32     60011474.57  602.3612934.04  608.59
13105.74  609.2313311.78  614.8313363.29  624.5313517.83  650.8213792.55  660.76
13929.91   664.413964.25  663.77 14221.8  660.2414238.97  660.2114445.01  662.75
14651.06     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510630.21     .1511045.32     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10630.2111045.32               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1299658.00   73618.59   485102.60
  E.G. Slope (ft/ft)      0.000000   Area (sq ft)            1299658.00   73618.59   485102.60
  Q Total (cfs)           206224.30   Flow (cfs)              140665.90   10153.41   55404.96
  Top Width (ft)          14651.06   Top Width (ft)          10630.21     415.11    3605.74
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        188.03    Hydr. Depth (ft)          122.26     177.35     134.54
  Conv. Total (cfs)       463573000.0    Conv. (cfs)          316203900.0   22823930.0   124545200.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10677.70     420.47    3676.63
  Min Ch El (ft)           571.85    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    10197.45     641.79    4032.35
  C & E Loss (ft)            0.00    Cum SA (acres)             81.51       3.53      30.00


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 1494.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  590.58  680.63  601.73  679.98  984.31  676.16 1002.88  676.02
   1279.6  677.86 1303.74  677.94 1968.61  667.49 2005.76  667.09 2165.48  669.48
  2206.33     670 2756.06     670 2808.06  669.84 3740.37  651.19 3810.94     650
  4429.38     650 4512.95  648.7 4527.81  647.22 4613.24     640 4724.67     640
  4813.82  639.31  5118.4  624.08 5214.97  619.87 5807.41  614.79 5916.98     614
  7677.59     614 7776.02  614.15 7822.45  614.15 7922.74     615 8268.18     615
  8268.18  614.24 8424.18  614.24 8424.18     610 9055.62     610 9226.48  609.69
  9646.21  604.79 9828.21  602.58 9843.07  602.3510028.79     60010630.51     600
 10745.77  571.8510845.77  571.8511045.77     60011475.15  602.3712935.04  608.59
  13106.8  609.23 13312.9  614.8813364.43  624.58   13519  650.8213793.81  660.76
 13931.21  664.3913965.56  663.7714223.19  660.2414240.36  660.2114446.46  662.78
 14652.57     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1510630.51     .1511045.77     .15

Bank Sta: Left   Right     Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10630.5111045.77                .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1299708.00   73644.58   485219.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299708.00   73644.58   485219.10
  Q Total (cfs)           206224.30    Flow (cfs)              140657.50   10155.99   55410.80
  Top Width (ft)          14652.57    Top Width (ft)          10630.51     415.26    3606.80
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.03    Hydr. Depth (ft)          122.26     177.35     134.53
  Conv. Total (cfs)       463621500.0    Conv. (cfs)             316218100.0   22832110.0   124571400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10678.00     420.62    3677.67
  Min Ch El (ft)            571.85    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10182.53     640.94    4026.78
  C & E Loss (ft)             0.00    Cum SA (acres)             81.39       3.52      29.95


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1494.*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720   590.6  680.63  601.74  679.98  984.33  676.16 1002.91  676.02
  1279.64  677.86 1303.78  677.94 1968.67  667.49 2005.81  667.09 2165.54  669.48
   2206.4     670 2756.14     670 2808.14  669.84 3740.47  651.19 3811.05     650
  4429.51     650 4513.08  648.69 4527.94  647.21 4613.37     640 4724.81     640
  4813.95   639.3 5118.54  624.07 5215.12  619.87 5807.58  614.79 5917.15     614
  7677.81     614 7776.24  614.15 7822.68  614.15 7922.97     615 8268.41     615
  8268.41  614.23 8424.42  614.23 8424.42     610 9055.88     610 9226.75  609.69
  9646.48  604.79 9828.49  602.57 9843.35  602.3510029.07     60010630.82     600
 10746.22  571.8510846.22  571.8511046.22     60011475.73  602.3712936.05  608.59
 13107.86  609.2313314.02  614.9313365.56  624.6213520.18  650.8313795.07  660.77
 13932.51  664.3813966.87  663.7614224.57  660.2314241.75  660.2214447.92   662.8
 14654.08     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1510630.82     .1511046.22     .15

Bank Sta: Left   Right     Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10630.8211046.22                .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1299753.00   73668.88   485345.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299753.00   73668.88   485345.60
  Q Total (cfs)           206224.30    Flow (cfs)              140647.70   10158.28   55418.29
  Top Width (ft)          14654.08    Top Width (ft)          10630.82     415.40    3607.86
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.03    Hydr. Depth (ft)          122.26     177.34     134.52
  Conv. Total (cfs)       463672100.0    Conv. (cfs)             316230600.0   22839750.0   124601800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10678.31     420.75    3678.72
  Min Ch El (ft)            571.85    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10167.61     640.10    4021.21
  C & E Loss (ft)             0.00    Cum SA (acres)             81.27       3.52      29.91


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1493.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  590.62  680.63  601.76  679.98  984.36  676.16 1002.94  676.02
  1279.67  677.86 1303.82  677.94 1968.73  667.49 2005.87  667.09  2165.6  669.48
  2206.46     670 2756.22     670 2808.22  669.84 3740.58  651.19 3811.16     650
  4429.63     650 4513.21  648.68 4528.07  647.19  4613.5     640 4724.94     640
  4814.09   639.3 5118.69  624.07 5215.27  619.87 5807.74  614.79 5917.32     614
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 7678.03     614 7776.47  614.16  7822.9  614.16 7923.19     615 8268.65     615
 8268.65  614.22 8424.66  614.22 8424.66     610 9056.14     610 9227.01  609.68
 9646.75  604.79 9828.77  602.57 9843.63  602.3510029.36     60010631.12     600
10746.68  571.8410846.68  571.8411046.68     60011476.31  602.3812937.06  608.59
13108.91  609.2313315.14  614.9813366.69  624.6713521.36  650.8413796.32  660.78
13933.81  664.3813968.18  663.7514225.96  660.2314243.14  660.2214449.37  662.83
14655.59     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510631.12     .1511046.68     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10631.1211046.68               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1299795.00   73699.30   485456.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299795.00   73699.30   485456.60
  Q Total (cfs)           206224.30    Flow (cfs)              140638.90   10161.73   55423.64
  Top Width (ft)          14655.59    Top Width (ft)          10631.12     415.56    3608.91
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.04    Hydr. Depth (ft)          122.26     177.35     134.52
  Conv. Total (cfs)       463716900.0    Conv. (cfs)             316241300.0   22849710.0   124625900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10678.61     420.91    3679.76
  Min Ch El (ft)            571.84    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10152.69     639.25    4015.64
  C & E Loss (ft)             0.00    Cum SA (acres)             81.15       3.51      29.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1493.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.63  680.62  601.78  679.98  984.39  676.16 1002.96  676.02
 1279.71  677.86 1303.85  677.94 1968.78  667.49 2005.93  667.09 2165.66  669.48
 2206.52     670 2756.29     670  2808.3  669.83 3740.68  651.19 3811.26     650
 4429.76     650 4513.34  648.67  4528.2  647.18 4613.64     640 4725.08     640
 4814.23  639.29 5118.83  624.06 5215.41  619.87 5807.91  614.79 5917.49     614
 7678.25     614 7776.69  614.16 7823.12  614.16 7923.42     615 8268.88     615
 8268.88  614.21  8424.9  614.21  8424.9     610 9056.39     610 9227.27  609.68
 9647.03  604.78 9829.05  602.56 9843.91  602.3410029.64     60010631.42     600
10747.13  571.8410847.13  571.8411047.13     60011476.89  602.3812938.07  608.6
13109.97  609.2313316.25  615.0313367.83  624.7113522.54  650.8513797.58  660.79
13935.11  664.3713969.49  663.7514227.34  660.2314244.53  660.2214450.82  662.86
 14657.1     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510631.42     .1511047.13     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10631.4211047.13               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1299851.00   73725.46   485571.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299851.00   73725.46   485571.10
  Q Total (cfs)           206224.30    Flow (cfs)              140631.10   10164.28   55428.90
  Top Width (ft)          14657.10    Top Width (ft)          10631.42     415.71    3609.97
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.04    Hydr. Depth (ft)          122.27     177.35     134.51
  Conv. Total (cfs)       463767300.0    Conv. (cfs)             316258100.0   22857940.0   124651200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10678.91     421.06    3680.81
  Min Ch El (ft)            571.84    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10137.77     638.41    4010.06
  C & E Loss (ft)             0.00    Cum SA (acres)             81.03       3.51      29.83


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1492.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.65  680.62   601.8  679.98  984.42  676.16 1002.99  676.02
 1279.74  677.86 1303.89  677.94 1968.84  667.49 2005.99  667.09 2165.72  669.49
 2206.58     670 2756.37     670 2808.38  669.83 3740.79  651.18 3811.37     650
 4429.88     650 4513.47  648.65 4528.33  647.17 4613.77     640 4725.21     640
 4814.36  639.28 5118.98  624.05 5215.56  619.87 5808.07  614.79 5917.66     614
 7678.47     614 7776.91  614.16 7823.34  614.16 7923.64     615 8269.12     615
 8269.12  614.21 8425.14  614.21 8425.14     610 9056.65     610 9227.53  609.68
  9647.3  604.78 9829.33  602.56 9844.19  602.3410029.93     60010631.72     600
10747.58  571.8410847.58  571.8411047.58     60011477.47  602.3912939.07  608.6
13111.03  609.2413317.37  615.0813368.96  624.7613523.72  650.8613798.84  660.79
13936.41  664.3713970.79  663.7414228.73  660.2314245.92  660.2214452.27  662.89
14658.61     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510631.72     .1511047.58     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10631.7211047.58               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1299897.00   73751.62   485684.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299897.00   73751.62   485684.10
  Q Total (cfs)           206224.30    Flow (cfs)              140623.00   10166.94   55434.39
  Top Width (ft)          14658.61    Top Width (ft)          10631.72     415.86    3611.03
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.04    Hydr. Depth (ft)          122.27     177.35     134.50
  Conv. Total (cfs)       463812900.0    Conv. (cfs)            316270900.0   22866170.0   124675800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10679.20     421.21    3681.86
  Min Ch El (ft)            571.84    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10122.85     637.56    4004.49
  C & E Loss (ft)             0.00    Cum SA (acres)             80.90       3.50      29.79


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1492.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.67  680.62  601.81  679.98  984.45  676.16 1003.02  676.02
 1279.78  677.87 1303.93  677.94 1968.89  667.49 2006.04  667.09 2165.78  669.49
 2206.65     670 2756.45     670 2808.46  669.83  3740.9  651.18 3811.48     650
 4430.01     650  4513.6  648.64 4528.46  647.15  4613.9     640 4725.34     640
  4814.5  639.27 5119.12  624.04 5215.71  619.87 5808.24  614.79 5917.82     614
 7678.68     614 7777.13  614.16 7823.56  614.16 7923.87     615 8269.35     615
 8269.35   614.2 8425.38   614.2 8425.38     610 9056.91     610 9227.79  609.68
 9647.58  604.78 9829.61  602.56 9844.47  602.3310030.21     60010632.02     600
10748.04  571.8410848.04  571.8411048.04     60011478.05  602.3912940.08   608.6
13112.08  609.2413318.49  615.1213370.09   624.813524.89  650.86 13800.1   660.8
 13937.7  664.36 13972.1  663.7314230.11  660.2314247.31  660.2214453.72  662.91
14660.12     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510632.02     .1511048.04     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10632.0211048.04               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1299939.00   73779.48   485811.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299939.00   73779.48   485811.70
  Q Total (cfs)           206224.30    Flow (cfs)              140612.50   10169.71   55442.10
  Top Width (ft)          14660.12    Top Width (ft)          10632.02     416.02    3612.08
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.04    Hydr. Depth (ft)          122.27     177.35     134.50
  Conv. Total (cfs)       463864300.0    Conv. (cfs)            316282400.0   22874930.0   124707000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10679.50     421.36    3682.90
  Min Ch El (ft)            571.84    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10107.93     636.71    3998.91
  C & E Loss (ft)             0.00    Cum SA (acres)             80.78       3.50      29.75


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1491.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.68  680.62  601.83  679.98  984.47  676.16 1003.05  676.02
 1279.82  677.87 1303.96  677.94 1968.95  667.49  2006.1  667.09 2165.84  669.49
 2206.71     670 2756.53     670 2808.54  669.83    3741  651.18 3811.59     650
 4430.14     650 4513.72  648.63 4528.58  647.14 4614.03     640 4725.48     640
 4814.64  639.27 5119.27  624.04 5215.86  619.86  5808.4  614.79 5917.99     614
  7678.9     614 7777.35  614.16 7823.79  614.16 7924.09     615 8269.59     615
 8269.59  614.19 8425.62  614.19 8425.62     610 9057.17     610 9228.06  609.67
 9647.85  604.78 9829.89  602.55 9844.75  602.33 10030.5     60010632.33     600
10748.49  571.8410848.49  571.8411048.49     60011478.63   602.412941.09   608.6
13113.14  609.2413319.61  615.1713371.22  624.8513526.07  650.8713801.36  660.81
   13939  664.3513973.41  663.73 14231.5  660.23 14248.7  660.2314455.17  662.94
14661.63     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510632.33     .1511048.49     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10632.3311048.49               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1299988.00   73803.77   485922.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299988.00   73803.77   485922.80
  Q Total (cfs)           206224.30    Flow (cfs)              140604.90   10172.12   55447.32
  Top Width (ft)          14661.63    Top Width (ft)          10632.33     416.16    3613.14
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  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.04    Hydr. Depth (ft)          122.27     177.34     134.49
  Conv. Total (cfs)       463909400.0    Conv. (cfs)            316296000.0   22882570.0   124730900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10679.81     421.50    3683.94
  Min Ch El (ft)            571.84    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10093.01     635.87    3993.34
  C & E Loss (ft)             0.00    Cum SA (acres)             80.66       3.49      29.71


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1491.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   590.7  680.62  601.85  679.98   984.5  676.15 1003.08  676.02
 1279.85  677.87    1304  677.94 1969.01  667.49 2006.16  667.09 2165.91  669.49
 2206.77     670 2756.61     670 2808.62  669.83 3741.11  651.18  3811.7     650
 4430.26     650 4513.85  648.61 4528.71  647.13 4614.16     640 4725.61     640
 4814.77  639.26 5119.41  624.03 5216.01  619.86 5808.57  614.78 5918.16     614
 7679.12     614 7777.57  614.16 7824.01  614.16 7924.32     615 8269.82     615
 8269.82  614.18 8425.86  614.18 8425.86     610 9057.42     610 9228.32  609.67
 9648.13  604.77 9830.17  602.55 9845.03  602.3210030.78     60010632.63     600
10748.94  571.8410848.94  571.8411048.94     60011479.21   602.412942.09  608.61
 13114.2  609.2413320.72  615.2213372.36  624.8913527.25  650.8813802.62  660.82
 13940.3  664.3513974.72  663.7214232.88  660.2314250.09  660.2314456.62  662.97
14663.14     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510632.63     .1511048.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10632.6311048.94               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1300041.00   73829.94   486037.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300041.00   73829.94   486037.70
  Q Total (cfs)           206224.30    Flow (cfs)              140596.80   10174.70   55452.76
  Top Width (ft)          14663.14    Top Width (ft)          10632.63     416.31    3614.20
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.04    Hydr. Depth (ft)          122.27     177.34     134.48
  Conv. Total (cfs)       463958800.0    Conv. (cfs)            316311600.0   22890800.0   124756400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10680.11     421.64    3684.99
  Min Ch El (ft)            571.84    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10078.09     635.02    3987.76
  C & E Loss (ft)             0.00    Cum SA (acres)             80.54       3.49      29.66


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1490.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.72  680.62  601.86  679.98  984.53  676.15 1003.11  676.02
 1279.89  677.87 1304.04  677.94 1969.06  667.49 2006.21  667.09 2165.97  669.49
 2206.83     670 2756.69     670  2808.7  669.83 3741.22  651.18 3811.81     650
 4430.39     650 4513.98   648.6 4528.84  647.12 4614.29     640 4725.75     640
 4814.91  639.25 5119.56  624.02 5216.15  619.86 5808.73  614.78 5918.33     614
 7679.34     614 7777.79  614.16 7824.23  614.16 7924.54     615 8270.06     615
 8270.06  614.18  8426.1  614.18  8426.1     610 9057.68     610 9228.58  609.67
  9648.4  604.77 9830.45  602.54 9845.31  602.3210031.07     60010632.93     600
 10749.4  571.84 10849.4  571.84 11049.4     60011479.78  602.41 12943.1  608.61
13115.26  609.2413321.84  615.2713373.49  624.9413528.43  650.8913803.88  660.82
 13941.6  664.3413976.03  663.7114234.26  660.2314251.48  660.2314458.07     663
14664.65     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510632.93     .15 11049.4     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10632.93 11049.4               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1300084.00   73857.80   486151.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300084.00   73857.80   486151.70
  Q Total (cfs)           206224.30    Flow (cfs)              140588.10   10177.59   55458.58
  Top Width (ft)          14664.65    Top Width (ft)          10632.93     416.47    3615.25
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.04    Hydr. Depth (ft)          122.27     177.34     134.47
  Conv. Total (cfs)       464004300.0    Conv. (cfs)            316323000.0   22899570.0   124781700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10680.41     421.80    3686.03
  Min Ch El (ft)            571.84    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10063.16     634.17    3982.18
  C & E Loss (ft)             0.00    Cum SA (acres)             80.42       3.48      29.62


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1490.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.74  680.62  601.88  679.98  984.56  676.15 1003.14  676.02
 1279.93  677.87 1304.08  677.94 1969.12  667.49 2006.27  667.09 2166.03  669.49
  2206.9     670 2756.76     670 2808.78  669.82 3741.32  651.17 3811.91     650
 4430.51     650 4514.11  648.59 4528.97   647.1 4614.42     640 4725.88     640
 4815.05  639.25  5119.7  624.01  5216.3  619.86  5808.9  614.78  5918.5     614
 7679.56     614 7778.01  614.17 7824.45  614.17 7924.77     615 8270.29     615
 8270.29  614.17 8426.33  614.17 8426.33     610 9057.94     610 9228.84  609.66
 9648.67  604.77 9830.72  602.54 9845.59  602.3210031.35     60010633.23     600
10749.85  571.8310849.85  571.8311049.85     60011480.36  602.4112944.11  608.61
13116.31  609.2413322.96  615.3213374.62  624.9813529.61   650.913805.14  660.83
 13942.9  664.3413977.34  663.7114235.65  660.2314252.87  660.2314459.52  663.02
14666.16     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510633.23     .1511049.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10633.2311049.85               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1300137.00   73886.20   486275.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300137.00   73886.20   486275.50
  Q Total (cfs)           206224.30    Flow (cfs)              140578.60   10180.55   55465.11
  Top Width (ft)          14666.16    Top Width (ft)          10633.23     416.62    3616.31
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.05    Hydr. Depth (ft)          122.27     177.35     134.47
  Conv. Total (cfs)       464058500.0    Conv. (cfs)            316338600.0   22908890.0   124811000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10680.71     421.95    3687.08
  Min Ch El (ft)            571.83    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10048.24     633.32    3976.60
  C & E Loss (ft)             0.00    Cum SA (acres)             80.29       3.48      29.58


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1489.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.75  680.62   601.9  679.98  984.59  676.15 1003.16  676.02
 1279.96  677.87 1304.11  677.94 1969.17  667.48 2006.33  667.09 2166.09  669.49
 2206.96     670 2756.84     670 2808.86  669.82 3741.43  651.17 3812.02     650
 4430.64     650 4514.24  648.58  4529.1  647.09 4614.55     640 4726.02     640
 4815.19  639.24 5119.85  624.01 5216.45  619.86 5809.06  614.78 5918.67     614
 7679.78     614 7778.23  614.17 7824.68  614.17 7924.99     615 8270.53     615
 8270.53  614.16 8426.57  614.16 8426.57     610  9058.2     610 9229.11  609.66
 9648.95  604.76    9831  602.53 9845.87  602.3110031.64     60010633.54     600
 10750.3  571.83 10850.3  571.83 11050.3     60011480.94  602.4112945.12  608.61
13117.37  609.2413324.08  615.3713375.75  625.0313530.79  650.91 13806.4  660.84
 13944.2  664.3313978.65   663.714237.03  660.2314254.26  660.2314460.97  663.05
14667.67     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510633.54     .15 11050.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10633.54 11050.3               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1300188.00   73910.67   486398.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300188.00   73910.67   486398.40
  Q Total (cfs)           206224.30    Flow (cfs)              140569.60   10182.84   55471.84
  Top Width (ft)          14667.67    Top Width (ft)          10633.54     416.76    3617.37
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.05    Hydr. Depth (ft)          122.27     177.35     134.46
  Conv. Total (cfs)       464109700.0    Conv. (cfs)            316353200.0   22916580.0   124839900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10681.02     422.08    3688.13
  Min Ch El (ft)            571.83    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10033.32     632.48    3971.02
  C & E Loss (ft)             0.00    Cum SA (acres)             80.17       3.47      29.54


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1489.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.77  680.62  601.92  679.98  984.61  676.15 1003.19  676.02
    1280  677.87 1304.15  677.93 1969.23  667.48 2006.38   667.1 2166.15  669.49
```

```
 2207.02     670 2756.92     670 2808.94  669.82 3741.54  651.17 3812.13     650
 4430.77     650 4514.36  648.56 4529.23  647.08 4614.68     640 4726.15     640
 4815.32  639.23    5120     624  5216.6  619.86 5809.23  614.78 5918.83     614
 7679.99     614 7778.45  614.17  7824.9  614.17 7925.22     615 8270.76     615
 8270.76  614.15 8426.81  614.15 8426.81     610 9058.45     610 9229.37  609.66
 9649.22  604.76 9831.28  602.53 9846.14  602.3110031.92     60010633.84     600
10750.75  571.8310850.75  571.8311050.75     60011481.52  602.4212946.12  608.62
13118.43  609.24 13325.2  615.4113376.89  625.0813531.96  650.9113807.65  660.85
 13945.5  664.3213979.96  663.6914238.42  660.2314255.65  660.2414462.42  663.08
14669.18     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510633.84     .1511050.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10633.8411050.75               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1300234.00   73936.84   486505.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300234.00   73936.84   486505.90
  Q Total (cfs)           206224.30    Flow (cfs)              140562.20   10185.55   55476.57
  Top Width (ft)          14669.18    Top Width (ft)          10633.84     416.91    3618.43
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.05    Hydr. Depth (ft)          122.27     177.34     134.45
  Conv. Total (cfs)       464153100.0    Conv. (cfs)            316366100.0   22924810.0   124862200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10681.32     422.23    3689.18
  Min Ch El (ft)            571.83    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10018.39     631.63    3965.43
  C & E Loss (ft)             0.00    Cum SA (acres)             80.05       3.47      29.50


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1488.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.79  680.61  601.93  679.98  984.64  676.15 1003.22  676.02
 1280.04  677.87 1304.19  677.93 1969.29  667.48 2006.44   667.1 2166.21  669.49
 2207.09     670    2757     670 2809.02  669.82 3741.64  651.17 3812.24     650
 4430.89     650 4514.49  648.55 4529.36  647.06 4614.81     640 4726.28     640
 4815.46  639.23 5120.14  623.99 5216.75  619.86 5809.39  614.78    5919     614
 7680.21     614 7778.68  614.17 7825.12  614.17 7925.44     615    8271     615
    8271  614.15 8427.05  614.15 8427.05     610 9058.71     610 9229.63  609.65
  9649.5  604.76 9831.56  602.53 9846.42  602.310032.21     60010634.14     600
10751.21  571.8310851.21  571.8311051.21     600 11482.1  602.4212947.13  608.62
13119.49  609.2513326.31  615.4613378.02  625.1213533.14  650.9213808.91  660.85
 13946.8  664.3213981.27  663.69 14239.8  660.2314257.04  660.2414463.87  663.11
 14670.7     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510634.14     .1511051.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10634.1411051.21               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1300281.00   73964.70   486626.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300281.00   73964.70   486626.80
  Q Total (cfs)           206224.30    Flow (cfs)              140552.90   10188.34   55483.05
  Top Width (ft)          14670.70    Top Width (ft)          10634.14     417.07    3619.49
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.05    Hydr. Depth (ft)          122.27     177.34     134.45
  Conv. Total (cfs)       464203100.0    Conv. (cfs)            316379300.0   22933570.0   124890300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10681.62     422.39    3690.23
  Min Ch El (ft)            571.83    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10003.47     630.78    3959.85
  C & E Loss (ft)             0.00    Cum SA (acres)             79.93       3.46      29.46


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1488.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   590.8  680.61  601.95  679.98  984.67  676.15 1003.25  676.02
 1280.07  677.87 1304.22  677.93 1969.34  667.48  2006.5   667.1 2166.28  669.49
 2207.15     670 2757.08     670  2809.1  669.82 3741.75  651.17 3812.35     650
 4431.02     650 4514.62  648.54 4529.48  647.05 4614.95     640 4726.42     640
  4815.6  639.22 5120.29  623.99  5216.9  619.86 5809.56  614.78 5919.17     614
 7680.43     614  7778.9  614.17 7825.34  614.17 7925.67     615 8271.23     615
 8271.23  614.14 8427.29  614.14 8427.29     610 9058.97     610 9229.89  609.65
 9649.77  604.75 9831.84  602.52  9846.7  602.310032.49     60010634.44     600
10751.66  571.8310851.66  571.8311051.66     60011482.68  602.4312948.14  608.62
13120.54  609.2513327.43  615.5113379.15  625.1713534.32  650.9313810.17  660.86
 13948.1  664.3113982.58  663.6814241.19  660.2314258.43  660.2414465.32  663.13
14672.21     695

Manning's n Values        num=       3
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```
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510634.44     .1511051.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10634.4411051.66               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1300326.00   73990.69   486742.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300326.00   73990.69   486742.30
  Q Total (cfs)           206224.30    Flow (cfs)              140544.40   10190.96   55488.95
  Top Width (ft)          14672.21    Top Width (ft)          10634.44     417.22    3620.55
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.05    Hydr. Depth (ft)          122.28     177.34     134.44
  Conv. Total (cfs)       464249400.0    Conv. (cfs)            316391700.0   22941750.0   124916000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10681.92     422.53    3691.28
  Min Ch El (ft)            571.83    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9988.54     629.93    3954.26
  C & E Loss (ft)             0.00    Cum SA (acres)             79.80       3.46      29.42


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1487.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.82  680.61  601.97  679.98   984.7  676.15 1003.28  676.02
 1280.11  677.87 1304.26  677.93  1969.4  667.48 2006.56   667.1 2166.34   669.5
 2207.21     670 2757.16     670 2809.18  669.82 3741.85  651.16 3812.46     650
 4431.14     650 4514.75  648.53 4529.61  647.04 4615.08     640 4726.55     640
 4815.73  639.21 5120.43  623.98 5217.04  619.85 5809.72  614.77 5919.34     614
 7680.65     614 7779.12  614.17 7825.57  614.17 7925.89     615 8271.47     615
 8271.47  614.13 8427.53  614.13 8427.53     610 9059.23     610 9230.15  609.65
 9650.04  604.75 9832.12  602.52 9846.98   602.310032.78     60010634.74     600
10752.12  571.8310852.12  571.8311052.12     60011483.26  602.4312949.14  608.62
 13121.6  609.2513328.55  615.5613380.29  625.21 13535.5  650.9413811.43  660.87
 13949.4  664.3113983.89  663.6714242.57  660.2314259.82  660.2414466.77  663.16
14673.72     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510634.74     .1511052.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10634.7411052.12               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1300381.00   74018.55   486863.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300381.00   74018.55   486863.80
  Q Total (cfs)           206224.30    Flow (cfs)              140535.40   10193.68   55495.24
  Top Width (ft)          14673.72    Top Width (ft)          10634.74     417.38    3621.60
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.05    Hydr. Depth (ft)          122.28     177.34     134.43
  Conv. Total (cfs)       464302800.0    Conv. (cfs)            316407700.0   22950510.0   124944500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10682.21     422.69    3692.32
  Min Ch El (ft)            571.83    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9973.62     629.08    3948.67
  C & E Loss (ft)             0.00    Cum SA (acres)             79.68       3.45      29.37


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1487.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.84  680.61  601.98  679.98  984.73  676.15 1003.31  676.02
 1280.14  677.87  1304.3  677.93 1969.45  667.48 2006.61   667.1  2166.4   669.5
 2207.27     670 2757.23     670 2809.26  669.81 3741.96  651.16 3812.56     650
 4431.27     650 4514.88  648.51 4529.74  647.03 4615.21     640 4726.69     640
 4815.87  639.21 5120.58  623.97 5217.19  619.85 5809.89  614.77 5919.51     614
 7680.87     614 7779.34  614.18 7825.79  614.18 7926.12     615  8271.7     615
  8271.7  614.12 8427.77  614.12 8427.77     610 9059.48     610 9230.42  609.65
 9650.32  604.75  9832.4  602.51 9847.26  602.2910033.06     60010635.04     600
10752.57  571.8210852.57  571.8211052.57     60011483.84  602.4412950.15  608.63
13122.66  609.2513329.67  615.6113381.42  625.2613536.68  650.9513812.69  660.88
 13950.7   664.3 13985.2  663.6714243.96  660.2314261.21  660.2514468.22  663.19
14675.23     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510635.04     .1511052.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10635.0411052.57               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1300427.00   74047.30   486966.40
```

```
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300427.00   74047.30   486966.40
  Q Total (cfs)           206224.30    Flow (cfs)              140528.30   10196.93   55499.12
  Top Width (ft)          14675.23    Top Width (ft)          10635.04     417.53    3622.66
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.06    Hydr. Depth (ft)          122.28     177.35     134.42
  Conv. Total (cfs)       464345500.0    Conv. (cfs)             316420800.0   22959940.0   124964700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10682.51     422.84    3693.36
  Min Ch El (ft)            571.82    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9958.69     628.23    3943.08
  C & E Loss (ft)             0.00    Cum SA (acres)             79.56       3.45      29.33


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1486.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.85  680.61     602  679.98  984.75  676.15 1003.33  676.02
 1280.18  677.87 1304.34  677.93 1969.51  667.48 2006.67   667.1 2166.46   669.5
 2207.34     670 2757.31     670 2809.34  669.81 3742.07  651.16 3812.67     650
 4431.39     650 4515.01   648.5 4529.87  647.01 4615.34     640 4726.82     640
 4816.01   639.2 5120.72  623.96 5217.34  619.85 5810.05  614.77 5919.67     614
 7681.08     614 7779.56  614.18 7826.01  614.18 7926.34     615 8271.94     615
 8271.94  614.12 8428.01  614.12 8428.01     610 9059.74     610 9230.68  609.64
 9650.59  604.74 9832.68  602.51 9847.54  602.2910033.35     60010635.35     600
10753.02  571.8210853.02  571.8211053.02     60011484.42  602.4412951.16  608.63
13123.72  609.2513330.79  615.6613382.55   625.313537.86  650.9513813.95  660.88
13951.99  664.29 13986.5  663.6614245.34  660.23 14262.6  660.2514469.67  663.22
14676.74     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510635.35     .1511053.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10635.3511053.02               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1300477.00   74071.59   487094.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300477.00   74071.59   487094.70
  Q Total (cfs)           206224.30    Flow (cfs)              140518.50   10199.16   55506.67
  Top Width (ft)          14676.74    Top Width (ft)          10635.35     417.67    3623.72
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.06    Hydr. Depth (ft)          122.28     177.34     134.42
  Conv. Total (cfs)       464398400.0    Conv. (cfs)             316434900.0   22967580.0   124996000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10682.82     422.97    3694.41
  Min Ch El (ft)            571.82    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9943.76     627.38    3937.49
  C & E Loss (ft)             0.00    Cum SA (acres)             79.44       3.44      29.29


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1486.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.87  680.61  602.02  679.98  984.78  676.15 1003.36  676.02
 1280.22  677.87 1304.37  677.93 1969.56  667.48 2006.73   667.1 2166.52   669.5
  2207.4     670 2757.39     670 2809.42  669.81 3742.17  651.16 3812.78     650
 4431.52     650 4515.13  648.49    4530     647 4615.47     640 4726.96     640
 4816.14  639.19 5120.87  623.96 5217.49  619.85 5810.22  614.77 5919.84     614
  7681.3     614 7779.78  614.18 7826.23  614.18 7926.57     615 8272.17     615
 8272.17  614.11 8428.25  614.11 8428.25     610    9060     610 9230.94  609.64
 9650.87  604.74 9832.96  602.51 9847.82  602.2810033.63     60010635.65     600
10753.47  571.8210853.47  571.8211053.47     600   11485  602.4512952.17  608.63
13124.77  609.25 13331.9   615.713383.69  625.3513539.03  650.9613815.21  660.89
13953.29  664.2913987.81  663.6514246.73  660.2314263.99  660.2514471.12  663.24
14678.25     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510635.65     .1511053.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10635.6511053.47               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1300519.00   74097.59   487210.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300519.00   74097.59   487210.40
  Q Total (cfs)           206224.30    Flow (cfs)              140509.80   10201.79   55512.71
  Top Width (ft)          14678.25    Top Width (ft)          10635.65     417.82    3624.78
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.06    Hydr. Depth (ft)          122.28     177.34     134.41
  Conv. Total (cfs)       464443600.0    Conv. (cfs)             316446000.0   22975750.0   125021800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10683.12     423.12    3695.46
  Min Ch El (ft)            571.82    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9928.84     626.53    3931.90
  C & E Loss (ft)             0.00    Cum SA (acres)             79.32       3.44      29.25
```

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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1485.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.89  680.61  602.03  679.98  984.81  676.15 1003.39  676.02
 1280.25  677.87 1304.41  677.93 1969.62  667.48 2006.78   667.1 2166.58   669.5
 2207.46     670 2757.47     670  2809.5  669.81 3742.28  651.15 3812.89     650
 4431.65     650 4515.26  648.47 4530.13  646.99  4615.6     640 4727.09     640
 4816.28  639.19 5121.01  623.95 5217.64  619.85 5810.38  614.77 5920.01     614
 7681.52     614    7780  614.18 7826.46  614.18 7926.79     615 8272.41     615
 8272.41   614.1 8428.49   614.1 8428.49     610 9060.25     610  9231.2  609.64
 9651.14  604.74 9833.24   602.5  9848.1  602.2810033.92     60010635.95     600
10753.93  571.8210853.93  571.8211053.93     60011485.57  602.4512953.17  608.63
13125.83  609.2513333.02  615.7513384.82  625.3913540.21  650.9713816.47   660.9
13954.59  664.2813989.12  663.6514248.11  660.2314265.38  660.2514472.57  663.27
14679.76     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510635.95     .1511053.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10635.9511053.93               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1300567.00   74125.45   487331.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300567.00   74125.45   487331.10
  Q Total (cfs)           206224.30    Flow (cfs)              140500.50   10204.58   55519.22
  Top Width (ft)          14679.76    Top Width (ft)          10635.95     417.98    3625.83
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.06    Hydr. Depth (ft)          122.28     177.34     134.41
  Conv. Total (cfs)       464493900.0    Conv. (cfs)            316459500.0   22984510.0   125050000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10683.42     423.27    3696.50
  Min Ch El (ft)            571.82    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9913.91     625.68    3926.31
  C & E Loss (ft)             0.00    Cum SA (acres)             79.19       3.43      29.21


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1485.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   590.9  680.61  602.05  679.98  984.84  676.15 1003.42  676.02
 1280.29  677.87 1304.45  677.93 1969.68  667.48 2006.84   667.1 2166.64   669.5
 2207.52     670 2757.55     670 2809.58  669.81 3742.39  651.15    3813     650
 4431.77     650 4515.39  648.46 4530.26  646.97 4615.73     640 4727.22     640
 4816.42  639.18 5121.16  623.94 5217.78  619.85 5810.55  614.77 5920.18     614
 7681.74     614 7780.22  614.18 7826.68  614.18 7927.02     615 8272.64     615
 8272.64  614.09 8428.73  614.09 8428.73     610 9060.51     610 9231.47  609.63
 9651.42  604.73 9833.52   602.5 9848.38  602.27 10034.2     60010636.25     600
10754.38  571.8210854.38  571.8211054.38     60011486.15  602.4612954.18  608.64
13126.89  609.2613334.14   615.813385.95  625.4413541.39  650.9813817.72  660.91
13955.89  664.2713990.43  663.64 14249.5  660.2314266.77  660.2514474.02   663.3
14681.27     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510636.25     .1511054.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10636.2511054.38               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1300617.00   74151.62   487434.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300617.00   74151.62   487434.20
  Q Total (cfs)           206224.30    Flow (cfs)              140493.90   10207.28   55523.13
  Top Width (ft)          14681.27    Top Width (ft)          10636.25     418.13    3626.89
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.06    Hydr. Depth (ft)          122.28     177.34     134.39
  Conv. Total (cfs)       464537200.0    Conv. (cfs)            316474000.0   22992740.0   125070400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10683.72     423.42    3697.55
  Min Ch El (ft)            571.82    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9898.98     624.83    3920.71
  C & E Loss (ft)             0.00    Cum SA (acres)             79.07       3.43      29.17


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1484.5*

INPUT
Description:
Station Elevation Data    num=      56
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.92  680.61  602.07  679.98  984.87  676.15 1003.45  676.02
 1280.33  677.87 1304.48  677.93 1969.73  667.48  2006.9   667.1 2166.71   669.5
 2207.59     670 2757.63     670 2809.66  669.81 3742.49  651.15  3813.1     650
  4431.9     650 4515.52  648.45 4530.39  646.96 4615.86     640 4727.36     640
 4816.55  639.17  5121.3  623.93 5217.93  619.85 5810.71  614.77 5920.35     614
 7681.96     614 7780.44  614.18  7826.9  614.18 7927.24     615 8272.88     615
 8272.88  614.09 8428.97  614.09 8428.97     610 9060.77     610 9231.73  609.63
 9651.69  604.73  9833.8  602.49 9848.66  602.2710034.49     60010636.56     600
10754.83  571.8210854.83  571.8211054.83     60011486.73  602.4612955.19  608.64
13127.95  609.2613335.26  615.8513387.08  625.4813542.57  650.9913818.98  660.91
13957.19  664.2713991.74  663.6314250.88  660.2314268.16  660.2614475.47  663.33
14682.78     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510636.56     .1511054.83     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10636.5611054.83               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1300662.00   74176.08   487558.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300662.00   74176.08   487558.20
  Q Total (cfs)           206224.30    Flow (cfs)              140484.40   10209.62   55530.32
  Top Width (ft)          14682.78    Top Width (ft)          10636.56     418.27    3627.95
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.06    Hydr. Depth (ft)          122.28     177.34     134.39
  Conv. Total (cfs)       464586200.0    Conv. (cfs)            316486000.0   23000420.0   125099800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10684.02     423.56    3698.60
  Min Ch El (ft)            571.82    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9884.05     623.98    3915.12
  C & E Loss (ft)             0.00    Cum SA (acres)             78.95       3.42      29.12


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1484.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.94   680.6  602.09  679.98  984.89  676.15 1003.48  676.02
 1280.36  677.87 1304.52  677.93 1969.79  667.47 2006.95   667.1 2166.77   669.5
 2207.65     670  2757.7     670 2809.74  669.81  3742.6  651.15 3813.21     650
 4432.02     650 4515.65  648.44 4530.51  646.95    4616     640 4727.49     640
 4816.69  639.17 5121.45  623.93 5218.08  619.85 5810.88  614.76 5920.52     614
 7682.18     614 7780.66  614.18 7827.12  614.18 7927.47     615 8273.11     615
 8273.11  614.08 8429.21  614.08 8429.21     610 9061.03     610 9231.99  609.63
 9651.96  604.73 9834.08  602.49 9848.94  602.2710034.77     60010636.86     600
10755.29  571.8210855.29  571.8211055.29     60011487.31  602.4712956.19  608.64
   13129  609.2613336.38   615.913388.22  625.5313543.75     65113820.24  660.92
13958.49  664.2613993.05  663.6314252.27  660.2314269.55  660.2614476.92  663.35
14684.29     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510636.86     .1511055.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10636.8611055.29               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1300711.00   74203.77   487670.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300711.00   74203.77   487670.70
  Q Total (cfs)           206224.30    Flow (cfs)              140476.30   10212.44   55535.59
  Top Width (ft)          14684.29    Top Width (ft)          10636.86     418.43    3629.00
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.06    Hydr. Depth (ft)          122.28     177.34     134.38
  Conv. Total (cfs)       464633500.0    Conv. (cfs)            316500000.0   23009130.0   125124400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10684.33     423.71    3699.64
  Min Ch El (ft)            571.82    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9869.12     623.12    3909.52
  C & E Loss (ft)             0.00    Cum SA (acres)             78.83       3.42      29.08


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1483.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.95   680.6   602.1  679.98  984.92  676.15 1003.51  676.02
  1280.4  677.87 1304.56  677.93 1969.84  667.47 2007.01  667.11 2166.83   669.5
 2207.71     670 2757.78     670 2809.82   669.8  3742.7  651.15 3813.32     650
 4432.15     650 4515.78  648.42 4530.64  646.94 4616.13     640 4727.63     640
 4816.83  639.16  5121.6  623.92 5218.23  619.84 5811.04  614.76 5920.68     614
 7682.39     614 7780.89  614.19 7827.34  614.19 7927.69     615 8273.35     615
 8273.35  614.07 8429.45  614.07 8429.45     610 9061.29     610 9232.25  609.62
 9652.24  604.72 9834.36  602.48 9849.22  602.2610035.06     60010637.16     600
10755.74  571.8110855.74  571.8111055.74     60011487.89  602.47 12957.2  608.64
13130.06  609.2613337.49  615.9513389.35  625.5713544.92     651 13821.5  660.93
13959.79  664.2613994.36  663.6214253.65  660.2314270.94  660.2614478.37  663.38
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 14685.8     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510637.16     .1511055.74     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10637.1611055.74               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1300768.00   74232.54   487795.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300768.00   74232.54   487795.40
  Q Total (cfs)           206224.30    Flow (cfs)              140466.90   10215.38   55542.01
  Top Width (ft)          14685.80    Top Width (ft)          10637.16     418.58    3630.06
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.07    Hydr. Depth (ft)          122.29     177.34     134.38
  Conv. Total (cfs)       464690200.0    Conv. (cfs)            316517500.0   23018570.0   125154200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10684.62     423.86    3700.69
  Min Ch El (ft)            571.81    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9854.19     622.27    3903.92
  C & E Loss (ft)             0.00    Cum SA (acres)             78.71       3.42      29.04


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1483.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.97   680.6  602.12  679.98  984.95  676.15 1003.53  676.02
 1280.44  677.87 1304.59  677.93  1969.9  667.47 2007.07  667.11 2166.89   669.5
 2207.78     670 2757.86     670  2809.9   669.8 3742.81  651.14 3813.43     650
 4432.28     650  4515.9  648.41 4530.77  646.92 4616.26     640 4727.76     640
 4816.96  639.15 5121.74  623.91 5218.38  619.84 5811.21  614.76 5920.85     614
 7682.61     614 7781.11  614.19 7827.57  614.19 7927.92     615 8273.58     615
 8273.58  614.06 8429.69  614.06 8429.69     610 9061.54     610 9232.51  609.62
 9652.51  604.72 9834.63  602.48  9849.5  602.2610035.34     60010637.46     600
10756.19  571.8110856.19  571.8111056.19     60011488.47  602.4812958.21  608.65
13131.12  609.2613338.61  615.9913390.48  625.62 13546.1  651.0113822.76  660.94
13961.09  664.2513995.67  663.6114255.04  660.2314272.33  660.2614479.82  663.41
14687.31     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510637.46     .1511056.19     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10637.4611056.19               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1300817.00   74258.70   487901.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300817.00   74258.70   487901.70
  Q Total (cfs)           206224.30    Flow (cfs)              140459.80   10218.07   55546.44
  Top Width (ft)          14687.31    Top Width (ft)          10637.46     418.73    3631.12
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.07    Hydr. Depth (ft)          122.29     177.34     134.37
  Conv. Total (cfs)       464734000.0    Conv. (cfs)            316531300.0   23026790.0   125175900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10684.92     424.01    3701.74
  Min Ch El (ft)            571.81    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9839.26     621.42    3898.32
  C & E Loss (ft)             0.00    Cum SA (acres)             78.58       3.41      29.00


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1482.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.99   680.6  602.14  679.98  984.98  676.15 1003.56  676.02
 1280.47  677.87 1304.63  677.93 1969.96  667.47 2007.13  667.11 2166.95   669.5
 2207.84     670 2757.94     670 2809.98   669.8 3742.92  651.14 3813.54     650
  4432.4     650 4516.03   648.4  4530.9  646.91 4616.39     640  4727.9     640
  4817.1  639.14 5121.89  623.91 5218.53  619.84 5811.37  614.76 5921.02     614
 7682.83     614 7781.33  614.19 7827.79  614.19 7928.15     615 8273.82     615
 8273.82  614.06 8429.93  614.06 8429.93     610  9061.8     610 9232.78  609.62
 9652.79  604.72 9834.91  602.48 9849.78  602.2510035.63     60010637.76     600
10756.65  571.8110856.65  571.8111056.65     60011489.05  602.4812959.21  608.65
13132.17  609.2613339.73  616.0413391.62  625.6613547.28  651.0213824.02  660.94
13962.39  664.2413996.98  663.6114256.42  660.2314273.72  660.2614481.27  663.44
14688.82     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510637.76     .1511056.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10637.7611056.65               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
```

```
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1300857.00   74286.56   488024.70
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1300857.00   74286.56   488024.70
  Q Total (cfs)          206224.30    Flow (cfs)              140449.80   10220.89   55553.61
  Top Width (ft)         14688.82    Top Width (ft)          10637.76     418.89    3632.17
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        188.07    Hydr. Depth (ft)          122.29     177.34     134.36
  Conv. Total (cfs)      464782300.0    Conv. (cfs)            316541700.0   23035550.0   125205100.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10685.22     424.16    3702.77
  Min Ch El (ft)           571.81    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     9824.33     620.57    3892.72
  C & E Loss (ft)            0.00    Cum SA (acres)             78.46       3.41      28.96


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1482.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     591   680.6  602.15  679.98  985.01  676.15 1003.59  676.02
 1280.51  677.87 1304.67  677.93 1970.01  667.47 2007.18  667.11 2167.01  669.51
  2207.9     670 2758.02     670 2810.06   669.8 3743.02  651.14 3813.65     650
 4432.53     650 4516.16  648.38 4531.03   646.9 4616.52     640 4728.03     640
 4817.24  639.14 5122.03   623.9 5218.67  619.84 5811.54  614.76 5921.19     614
 7683.05     614 7781.55  614.19 7828.01  614.19 7928.37     615 8274.05     615
 8274.05  614.05 8430.17  614.05 8430.17     610 9062.06     610 9233.04  609.61
 9653.06  604.71 9835.19  602.47 9850.06  602.2510035.91     60010638.07     600
 10757.1  571.81 10857.1  571.81 11057.1     60011489.63  602.4912960.22  608.65
13133.23  609.2613340.85  616.0913392.75  625.7113548.46  651.0313825.28  660.95
13963.69  664.2413998.29   663.6 14257.8  660.2214275.11  660.2714482.72  663.46
14690.33     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510638.07     .15 11057.1     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10638.07 11057.1               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1300907.00   74310.69   488139.40
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1300907.00   74310.69   488139.40
  Q Total (cfs)          206224.30    Flow (cfs)              140441.80   10223.22   55559.25
  Top Width (ft)         14690.33    Top Width (ft)          10638.07     419.03    3633.23
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        188.07    Hydr. Depth (ft)          122.29     177.34     134.35
  Conv. Total (cfs)      464829300.0    Conv. (cfs)            316555700.0   23043130.0   125230500.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10685.53     424.30    3703.83
  Min Ch El (ft)           571.81    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     9809.40     619.72    3887.12
  C & E Loss (ft)            0.00    Cum SA (acres)             78.34       3.40      28.92


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1481.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.02   680.6  602.17  679.98  985.03  676.15 1003.62  676.02
 1280.54  677.87 1304.71  677.93 1970.07  667.47 2007.24  667.11 2167.08  669.51
 2207.96     670  2758.1     670 2810.14   669.8 3743.13  651.14 3813.75     650
 4432.65     650 4516.29  648.37 4531.16  646.88 4616.65     640 4728.16     640
 4817.37  639.13 5122.18  623.89 5218.82  619.84  5811.7  614.76 5921.36     614
 7683.27     614 7781.77  614.19 7828.23  614.19  7928.6     615 8274.29     615
 8274.29  614.04 8430.41  614.04 8430.41     610 9062.31     610  9233.3  609.61
 9653.33  604.71 9835.47  602.47 9850.34  602.24 10036.2     60010638.37     600
10757.55  571.8110857.55  571.8111057.55     60011490.21  602.4912961.23  608.65
13134.29  609.2713341.96  616.1413393.88  625.7613549.64  651.0413826.54  660.96
13964.99  664.23 13999.6  663.5914259.19  660.22 14276.5  660.2714484.17  663.49
14691.84     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510638.37     .1511057.55     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10638.3711057.55               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1300951.00   74336.85   488260.20
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1300951.00   74336.85   488260.20
  Q Total (cfs)          206224.30    Flow (cfs)              140432.60   10225.81   55565.88
  Top Width (ft)         14691.84    Top Width (ft)          10638.37     419.18    3634.29
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        188.07    Hydr. Depth (ft)          122.29     177.34     134.35
  Conv. Total (cfs)      464877700.0    Conv. (cfs)            316567900.0   23051350.0   125258500.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10685.83     424.45    3704.87
  Min Ch El (ft)           571.81    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
```

```
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     9794.46     618.86    3881.52
  C & E Loss (ft)            0.00    Cum SA (acres)             78.22       3.40      28.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1481.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.04   680.6  602.19  679.98  985.06  676.15 1003.65  676.02
 1280.58  677.87 1304.74  677.93 1970.12  667.47  2007.3  667.11 2167.14  669.51
 2208.03     670 2758.17     670 2810.21   669.8 3743.24  651.14 3813.86     650
 4432.78     650 4516.42  648.36 4531.29  646.87 4616.78     640  4728.3     640
 4817.51  639.12 5122.32  623.88 5218.97  619.84 5811.87  614.76 5921.52     614
 7683.48     614 7781.99  614.19 7828.46  614.19 7928.82     615 8274.52     615
 8274.52  614.03 8430.64  614.03 8430.64     610 9062.57     610 9233.56  609.61
 9653.61  604.71 9835.75  602.46 9850.62  602.2410036.48     60010638.67     600
10758.01  571.8110858.01  571.8111058.01     60011490.79  602.4912962.24  608.66
13135.35  609.2713343.08  616.1913395.01   625.813550.82  651.0413827.79  660.97
13966.28  664.2314000.91  663.5914260.57  660.2214277.88  660.2714485.62  663.52
14693.35     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510638.67     .1511058.01     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10638.6711058.01               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1300996.00   74364.72   488373.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300996.00   74364.72   488373.90
  Q Total (cfs)           206224.30    Flow (cfs)              140424.00   10228.68   55571.58
  Top Width (ft)          14693.35    Top Width (ft)          10638.67     419.34    3635.34
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)           0.11       0.14       0.11
  Max Chl Dpth (ft)        188.07    Hydr. Depth (ft)          122.29     177.34     134.34
  Conv. Total (cfs)       464923700.0    Conv. (cfs)            316579900.0   23060110.0   125283700.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10686.13     424.60    3705.91
  Min Ch El (ft)           571.81    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     9779.53     618.01    3875.91
  C & E Loss (ft)            0.00    Cum SA (acres)             78.10       3.39      28.83


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1480.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.05   680.6  602.21  679.98  985.09  676.15 1003.68  676.02
 1280.62  677.87 1304.78  677.92 1970.18  667.47 2007.35  667.11  2167.2  669.51
 2208.09     670 2758.25     670 2810.29  669.79 3743.34  651.13 3813.97     650
 4432.91     650 4516.54  648.35 4531.41  646.86 4616.91     640 4728.43     640
 4817.65  639.12 5122.47  623.88 5219.12  619.84 5812.03  614.75 5921.69     614
  7683.7     614 7782.21  614.19 7828.68  614.19 7929.05     615 8274.76     615
 8274.76  614.03 8430.88  614.03 8430.88     610 9062.83     610 9233.83  609.61
 9653.88   604.7 9836.03  602.46  9850.9  602.2410036.77     60010638.97     600
10758.46  571.8110858.46  571.8111058.46     60011491.37   602.512963.24  608.66
13136.41  609.27 13344.2  616.2413396.15  625.8513551.99  651.0513829.05  660.97
13967.58  664.2214002.21  663.5814261.96  660.2214279.28  660.2714487.07  663.55
14694.86     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510638.97     .1511058.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10638.9711058.46               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1301053.00   74390.88   488489.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1301053.00   74390.88   488489.20
  Q Total (cfs)           206224.30    Flow (cfs)              140416.30   10231.20   55576.81
  Top Width (ft)          14694.86    Top Width (ft)          10638.97     419.49    3636.40
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)           0.11       0.14       0.11
  Max Chl Dpth (ft)        188.07    Hydr. Depth (ft)          122.29     177.34     134.33
  Conv. Total (cfs)       464975000.0    Conv. (cfs)            316597300.0   23068340.0   125309300.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10686.43     424.75    3706.96
  Min Ch El (ft)           571.81    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     9764.60     617.15    3870.30
  C & E Loss (ft)            0.00    Cum SA (acres)             77.97       3.39      28.79


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1480.*
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```
INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.07   680.6  602.22  679.98  985.12  676.15 1003.71  676.02
 1280.65  677.87 1304.82  677.92 1970.24  667.47 2007.41  667.11 2167.26  669.51
 2208.15     670 2758.33     670 2810.37  669.79 3743.45  651.13 3814.08     650
 4433.03     650 4516.67  648.33 4531.54  646.85 4617.04     640 4728.57     640
 4817.78  639.11 5122.61  623.87 5219.27  619.83  5812.2  614.75 5921.86     614
 7683.92     614 7782.43   614.2  7828.9   614.2 7929.27     615 8274.99     615
 8274.99  614.02 8431.12  614.02 8431.12     610 9063.09     610 9234.09   609.6
 9654.16   604.7 9836.31  602.46 9851.18  602.2310037.05     60010639.28     600
10758.91   571.810858.91   571.811058.91     60011491.94   602.512964.25  608.66
13137.46  609.2713345.32  616.2813397.28  625.8913553.17  651.0613830.31  660.98
13968.88  664.2114003.52  663.5714263.34  660.2214280.67  660.2714488.52  663.57
14696.38     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510639.28     .1511058.91     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10639.2811058.91               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)              0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1301104.00   74417.77   488616.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1301104.00   74417.77   488616.90
  Q Total (cfs)           206224.30    Flow (cfs)              140406.40   10233.93   55583.96
  Top Width (ft)          14696.38    Top Width (ft)          10639.28     419.63    3637.47
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.08    Hydr. Depth (ft)          122.29     177.34     134.33
  Conv. Total (cfs)       465029200.0    Conv. (cfs)            316611900.0   23077180.0   125340100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10686.74     424.89    3708.02
  Min Ch El (ft)            571.80    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9749.66     616.30    3864.70
  C & E Loss (ft)             0.00    Cum SA (acres)             77.85       3.38      28.75


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1479.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.09  680.59  602.24  679.98  985.15  676.15 1003.73  676.02
 1280.69  677.87 1304.85  677.92 1970.29  667.47 2007.47  667.11 2167.32  669.51
 2208.21     670 2758.41     670 2810.45  669.79 3743.55  651.13 3814.19     650
 4433.16     650  4516.8  648.32 4531.67  646.83 4617.17     640  4728.7     640
 4817.92   639.1 5122.76  623.86 5219.42  619.83 5812.36  614.75 5922.03     614
 7684.14     614 7782.65   614.2 7829.12   614.2  7929.5     615 8275.23     615
 8275.23  614.01 8431.36  614.01 8431.36     610 9063.34     610 9234.35   609.6
 9654.43   604.7 9836.59  602.45 9851.46  602.2310037.34     60010639.58     600
10759.37   571.810859.37   571.811059.37     60011492.52   602.5112965.26  608.66
13138.52  609.2713346.43  616.3313398.41  625.9413554.35  651.0713831.57  660.99
13970.18  664.2114004.83  663.5614264.73  660.2214282.05  660.2814489.97   663.6
14697.88     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510639.58     .1511059.37     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10639.5811059.37               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)              0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1301152.00   74445.64   488725.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1301152.00   74445.64   488725.60
  Q Total (cfs)           206224.30    Flow (cfs)              140398.60   10236.81   55588.84
  Top Width (ft)          14697.88    Top Width (ft)          10639.58     419.79    3638.51
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.08    Hydr. Depth (ft)          122.29     177.34     134.32
  Conv. Total (cfs)       465074600.0    Conv. (cfs)            316625400.0   23085940.0   125363300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10687.04     425.04    3709.05
  Min Ch El (ft)            571.80    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9734.73     615.45    3859.09
  C & E Loss (ft)             0.00    Cum SA (acres)             77.73       3.38      28.71


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1479.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   591.1  680.59  602.26  679.98  985.17  676.15 1003.76  676.03
 1280.73  677.87 1304.89  677.92 1970.35  667.47 2007.52  667.11 2167.38  669.51
 2208.28     670 2758.49     670 2810.53  669.79 3743.66  651.13  3814.3     650
 4433.28     650 4516.93  648.31  4531.8  646.82 4617.31     640 4728.84     640
 4818.06   639.1  5122.9  623.85 5219.56  619.83 5812.53  614.75  5922.2     614
 7684.36     614 7782.87   614.2 7829.35   614.2 7929.72     615 8275.46     615
 8275.46     614  8431.6     614  8431.6     610  9063.6     610 9234.61   609.6
 9654.71   604.7 9836.87  602.45 9851.74  602.2210037.62     60010639.88     600
```

```
10759.82   571.810859.82   571.811059.82     600 11493.1  602.5112966.26  608.67
13139.58  609.2713347.55  616.3813399.55  625.9813555.53  651.0813832.83     661
13971.48   664.214006.14  663.5614266.11  660.2214283.44  660.2814491.42  663.63
 14699.4     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510639.88     .1511059.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10639.8811059.82               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1301193.00   74471.80   488840.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1301193.00   74471.80   488840.50
  Q Total (cfs)           206224.30    Flow (cfs)              140390.00   10239.49   55594.78
  Top Width (ft)          14699.40    Top Width (ft)          10639.88     419.94    3639.58
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.08    Hydr. Depth (ft)          122.29     177.34     134.31
  Conv. Total (cfs)       465118800.0    Conv. (cfs)            316636000.0   23094160.0   125388600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10687.33     425.19    3710.11
  Min Ch El (ft)            571.80    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9719.79     614.59    3853.48
  C & E Loss (ft)             0.00    Cum SA (acres)             77.61       3.37      28.67


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1478.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.12  680.59  602.27  679.98   985.2  676.15 1003.79  676.03
 1280.76  677.87 1304.93  677.92  1970.4  667.47 2007.58  667.11 2167.44  669.51
 2208.34     670 2758.57     670 2810.61  669.79 3743.77  651.12  3814.4     650
 4433.41     650 4517.06  648.29 4531.93  646.81 4617.44     640 4728.97     640
  4818.2  639.09 5123.05  623.85 5219.71  619.83 5812.69  614.75 5922.37     614
 7684.58     614  7783.1   614.2 7829.57   614.2 7929.95     615  8275.7     615
  8275.7     614 8431.84     614 8431.84     610 9063.86     610 9234.87  609.59
 9654.98  604.69 9837.15  602.44 9852.02  602.2210037.91     60010640.18     600
10760.27   571.810860.27   571.811060.27     60011493.68  602.5212967.27  608.67
13140.63  609.2713348.67  616.4313400.68  626.0313556.71  651.0813834.09     661
13972.78   664.214007.45  663.55 14267.5  660.2214284.83  660.2814492.87  663.66
14700.91     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510640.18     .1511060.27     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10640.1811060.27               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1301245.00   74497.80   488957.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1301245.00   74497.80   488957.10
  Q Total (cfs)           206224.30    Flow (cfs)              140381.80   10242.02   55600.48
  Top Width (ft)          14700.91    Top Width (ft)          10640.18     420.09    3640.64
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.08    Hydr. Depth (ft)          122.30     177.34     134.31
  Conv. Total (cfs)       465168300.0    Conv. (cfs)            316651100.0   23102330.0   125414800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10687.63     425.33    3711.16
  Min Ch El (ft)            571.80    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9704.85     613.74    3847.87
  C & E Loss (ft)             0.00    Cum SA (acres)             77.49       3.37      28.62


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1478.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.14  680.59  602.29  679.98  985.23  676.15 1003.82  676.03
  1280.8  677.87 1304.96  677.92 1970.46  667.46 2007.64  667.11 2167.51  669.51
  2208.4     670 2758.64     670 2810.69  669.79 3743.87  651.12 3814.51     650
 4433.53     650 4517.19  648.28 4532.06  646.79 4617.57     640  4729.1     640
 4818.33  639.08  5123.2  623.84 5219.86  619.83 5812.86  614.75 5922.53     614
 7684.79     614 7783.32   614.2 7829.79   614.2 7930.17     615 8275.93     615
 8275.93  613.99 8432.08  613.99 8432.08     610 9064.12     610 9235.14  609.59
 9655.25  604.69 9837.43  602.44  9852.3  602.2210038.19     60010640.48     600
10760.72   571.810860.72   571.811060.72     60011494.26  602.5212968.28  608.67
13141.69  609.2713349.79  616.4813401.81  626.0713557.88  651.0913835.35  661.01
13974.08  664.1914008.76  663.5414268.88  660.2214286.22  660.2814494.32  663.68
14702.42     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510640.48     .1511060.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10640.4811060.72               .5      .5      .5             .1       .3
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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1301292.00   74523.80   489082.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1301292.00   74523.80   489082.70
  Q Total (cfs)           206224.30    Flow (cfs)              140372.20   10244.51   55607.64
  Top Width (ft)          14702.42    Top Width (ft)          10640.48     420.24    3641.70
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.08    Hydr. Depth (ft)          122.30     177.34     134.30
  Conv. Total (cfs)       465219600.0    Conv. (cfs)            316664400.0   23110500.0   125444800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10687.93     425.48    3712.21
  Min Ch El (ft)            571.80    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9689.92     612.88    3842.25
  C & E Loss (ft)             0.00    Cum SA (acres)             77.36       3.36      28.58


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1477.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.15  680.59  602.31  679.98  985.26  676.15 1003.85  676.03
 1280.84  677.87    1305  677.92 1970.52  667.46  2007.7  667.12 2167.57  669.51
 2208.46     670 2758.72     670 2810.77  669.78 3743.98  651.12 3814.62     650
 4433.66     650 4517.31  648.27 4532.19  646.78  4617.7     640 4729.24     640
 4818.47  639.08 5123.34  623.83 5220.01  619.83 5813.02  614.75  5922.7     614
 7685.01     614 7783.54   614.2 7830.01   614.2  7930.4     615 8276.17     615
 8276.17  613.98 8432.32  613.98 8432.32     610 9064.37     610  9235.4  609.59
 9655.53  604.69 9837.71  602.43 9852.58  602.2110038.48     60010640.79     600
10761.18   571.810861.18   571.811061.18     60011494.84  602.5312969.29  608.67
13142.75  609.2813350.91  616.5313402.95  626.1213559.06   651.113836.61  661.02
13975.38  664.1814010.07  663.5414270.27  660.2214287.61  660.2914495.77  663.71
14703.93     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510640.79     .1511061.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10640.7911061.18               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1301341.00   74549.96   489189.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1301341.00   74549.96   489189.80
  Q Total (cfs)           206224.30    Flow (cfs)              140364.90   10247.17   55612.27
  Top Width (ft)          14703.93    Top Width (ft)          10640.79     420.39    3642.75
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.08    Hydr. Depth (ft)          122.30     177.34     134.29
  Conv. Total (cfs)       465264000.0    Conv. (cfs)            316678100.0   23118720.0   125467200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10688.24     425.63    3713.25
  Min Ch El (ft)            571.80    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9674.98     612.03    3836.64
  C & E Loss (ft)             0.00    Cum SA (acres)             77.24       3.36      28.54


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1477.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.17  680.59  602.33  679.98  985.29  676.15 1003.88  676.03
 1280.87  677.87 1305.04  677.92 1970.57  667.46 2007.75  667.12 2167.63  669.51
 2208.53     670  2758.8     670 2810.85  669.78 3744.09  651.12 3814.73     650
 4433.79     650 4517.44  648.26 4532.32  646.77 4617.83     640 4729.37     640
 4818.61  639.07 5123.49  623.83 5220.16  619.83 5813.19  614.74 5922.87     614
 7685.23     614 7783.76  614.21 7830.23  614.21 7930.62     615  8276.4     615
  8276.4  613.97 8432.56  613.97 8432.56     610 9064.63     610 9235.66  609.58
  9655.8  604.68 9837.99  602.43 9852.86  602.2110038.76     60010641.09     600
10761.63  571.7910861.63  571.7911061.63     60011495.42  602.5312970.29  608.68
13143.81  609.2813352.02  616.5713404.08  626.1613560.24  651.1113837.87  661.03
13976.68  664.1814011.38  663.5314271.65  660.22   14289  660.2914497.22  663.74
14705.44     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510641.09     .1511061.63     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10641.0911061.63               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1301389.00   74578.73   489305.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1301389.00   74578.73   489305.60
  Q Total (cfs)           206224.30    Flow (cfs)              140356.20   10250.28   55617.84
  Top Width (ft)          14705.44    Top Width (ft)          10641.09     420.54    3643.81
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.09    Hydr. Depth (ft)          122.30     177.34     134.28
  Conv. Total (cfs)       465313100.0    Conv. (cfs)            316691900.0   23128150.0   125493000.0
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  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10688.54     425.78    3714.30
  Min Ch El (ft)           571.79    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     9660.04     611.17    3831.02
  C & E Loss (ft)            0.00    Cum SA (acres)             77.12       3.35      28.50


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1476.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.19  680.59  602.34  679.98  985.31  676.15  1003.9  676.03
 1280.91  677.87 1305.08  677.92 1970.63  667.46 2007.81  667.12 2167.69  669.52
 2208.59     670 2758.88     670 2810.93  669.78 3744.19  651.12 3814.84     650
 4433.91     650 4517.57  648.24 4532.44  646.76 4617.96     640 4729.51     640
 4818.74  639.06 5123.63  623.82  5220.3  619.83 5813.35  614.74 5923.04     614
 7685.45     614 7783.98  614.21 7830.46  614.21 7930.85     615 8276.64     615
 8276.64  613.97  8432.8  613.97  8432.8     610 9064.89     610 9235.92  609.58
 9656.08  604.68 9838.27  602.43 9853.14   602.210039.05     60010641.39     600
10762.08  571.7910862.08  571.7911062.08     600   11496  602.54 12971.3  608.68
13144.86  609.2813353.14  616.6213405.21  626.2113561.42  651.1213839.12  661.03
13977.98  664.1714012.69  663.5214273.04  660.2214290.39  660.2914498.67  663.77
14706.95     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510641.39     .1511062.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10641.3911062.08               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1301432.00   74604.90   489420.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)           1301432.00   74604.90   489420.60
  Q Total (cfs)           206224.30    Flow (cfs)             140347.60   10252.93   55623.77
  Top Width (ft)          14706.95    Top Width (ft)          10641.39     420.69    3644.87
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.09    Hydr. Depth (ft)          122.30     177.34     134.28
  Conv. Total (cfs)       465358100.0    Conv. (cfs)           316703200.0   23136370.0   125518500.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10688.84     425.92    3715.35
  Min Ch El (ft)           571.79    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     9645.10     610.31    3825.40
  C & E Loss (ft)            0.00    Cum SA (acres)             77.00       3.35      28.46


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1476.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.21  680.59  602.36  679.98  985.34  676.15 1003.93  676.03
 1280.94  677.87 1305.11  677.92 1970.68  667.46 2007.87  667.12 2167.75  669.52
 2208.65     670 2758.96     670 2811.01  669.78  3744.3  651.11 3814.95     650
 4434.04     650  4517.7  648.23 4532.57  646.74 4618.09     640 4729.64     640
 4818.88  639.06 5123.78  623.81 5220.45  619.82 5813.52  614.74 5923.21     614
 7685.67     614  7784.2  614.21 7830.68  614.21 7931.07     615 8276.87     615
 8276.87  613.96 8433.04  613.96 8433.04     610 9065.15     610 9236.19  609.58
 9656.35  604.68 9838.54  602.42 9853.42   602.210039.33     60010641.69     600
10762.54  571.7910862.54  571.7911062.54     60011496.58  602.5412972.31  608.68
13145.92  609.2813354.26  616.6713406.34  626.25 13562.6  651.1313840.38  661.04
13979.28  664.17   14014  663.5214274.42  660.2214291.78  660.2914500.12  663.79
14708.46     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510641.69     .1511062.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10641.6911062.54               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1301483.00   74632.59   489542.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)           1301483.00   74632.59   489542.30
  Q Total (cfs)           206224.30    Flow (cfs)             140338.50   10255.63   55630.22
  Top Width (ft)          14708.46    Top Width (ft)          10641.69     420.85    3645.92
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.09    Hydr. Depth (ft)          122.30     177.34     134.27
  Conv. Total (cfs)       465410200.0    Conv. (cfs)           316718000.0   23145080.0   125547200.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10689.14     426.08    3716.39
  Min Ch El (ft)           571.79    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     9630.17     609.46    3819.79
  C & E Loss (ft)            0.00    Cum SA (acres)             76.87       3.34      28.41


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
```

```
RIVER: SQUAW CREEK
REACH: SC                  RS: 1475.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  591.22  680.59  602.38  679.98  985.37  676.15 1003.96  676.03
  1280.98  677.87 1305.15  677.92 1970.74  667.46 2007.92  667.12 2167.81  669.52
  2208.72     670 2759.04     670 2811.09  669.78 3744.41  651.11 3815.05     650
  4434.16     650 4517.83  648.22  4532.7  646.73 4618.22     640 4729.78     640
  4819.02  639.05 5123.92   623.8  5220.6  619.82 5813.68  614.74 5923.37     614
  7685.88     614 7784.42  614.21  7830.9  614.21  7931.3     615 8277.11     615
  8277.11  613.95 8433.28  613.95 8433.28     610  9065.4     610 9236.45  609.57
  9656.62  604.67 9838.82  602.42  9853.7  602.1910039.62    60010641.99     600
 10762.99  571.7910862.99  571.7911062.99    60011497.16  602.5512973.31  608.68
 13146.98  609.2813355.38  616.7213407.48   626.313563.78  651.1313841.64  661.05
 13980.57  664.1614015.31  663.5114275.81  660.2214293.17  660.2914501.57  663.82
 14709.97     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1510641.99     .1511062.99     .15

Bank Sta: Left   Right     Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10641.9911062.99                .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1301533.00   74658.76   489657.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1301533.00   74658.76   489657.70
  Q Total (cfs)           206224.30    Flow (cfs)              140330.30   10258.21   55635.82
  Top Width (ft)          14709.97    Top Width (ft)          10641.99     421.00    3646.98
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.09    Hydr. Depth (ft)          122.30     177.34     134.26
  Conv. Total (cfs)       465458700.0    Conv. (cfs)            316732500.0   23153290.0   125572900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10689.44     426.22    3717.44
  Min Ch El (ft)            571.79    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9615.23     608.60    3814.17
  C & E Loss (ft)             0.00    Cum SA (acres)             76.75       3.34      28.37


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1475.*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  591.24  680.58  602.39  679.98   985.4  676.15 1003.99  676.03
  1281.02  677.87 1305.19  677.92  1970.8  667.46 2007.98  667.12 2167.88  669.52
  2208.78     670 2759.11     670 2811.17  669.78 3744.51  651.11 3815.16     650
  4434.29     650 4517.96   648.2 4532.83  646.72 4618.35     640 4729.91     640
  4819.15  639.04 5124.07   623.8 5220.75  619.82 5813.85  614.74 5923.54     614
   7686.1     614 7784.64  614.21 7831.12  614.21 7931.52     615 8277.34     615
  8277.34  613.94 8433.52  613.94 8433.52     610 9065.66     610 9236.71  609.57
   9656.9  604.67  9839.1  602.41 9853.98  602.19 10039.9     600 10642.3     600
 10763.44  571.7910863.44  571.7911063.44    60011497.73  602.5512974.32  608.69
 13148.04  609.28 13356.5  616.7713408.61  626.3413564.96  651.14 13842.9  661.06
 13981.87  664.1514016.62   663.514277.19  660.2214294.56   660.314503.02  663.85
 14711.48     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .15 10642.3     .1511063.44     .15

Bank Sta: Left   Right     Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10642.311063.44                .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1301580.00   74683.23   489771.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1301580.00   74683.23   489771.80
  Q Total (cfs)           206224.30    Flow (cfs)              140322.20   10260.60   55641.48
  Top Width (ft)          14711.48    Top Width (ft)          10642.30     421.14    3648.04
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.09    Hydr. Depth (ft)          122.30     177.34     134.26
  Conv. Total (cfs)       465504500.0    Conv. (cfs)            316745500.0   23160980.0   125598000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10689.75     426.36    3718.49
  Min Ch El (ft)            571.79    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9600.29     607.74    3808.55
  C & E Loss (ft)             0.00    Cum SA (acres)             76.63       3.33      28.33


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1474.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  591.26  680.58  602.41  679.98  985.43  676.15 1004.02  676.03
  1281.05  677.87 1305.22  677.92 1970.85  667.46 2008.04  667.12 2167.94  669.52
  2208.84     670 2759.19     670 2811.25  669.77 3744.62  651.11 3815.27     650
  4434.42     650 4518.08  648.19 4532.96   646.7 4618.49     640 4730.04     640
  4819.29  639.04 5124.21  623.79  5220.9  619.82 5814.01  614.74 5923.71     614
```

```
 7686.32     614 7784.86  614.21 7831.35  614.21 7931.75     615 8277.58     615
 8277.58  613.94 8433.76  613.94 8433.76     610 9065.92     610 9236.97  609.57
 9657.17  604.67 9839.38  602.41 9854.26  602.1910040.19     600 10642.6     600
 10763.9  571.79 10863.9  571.79 11063.9     60011498.31  602.5612975.33  608.69
13149.09  609.2813357.61  616.8213409.74  626.3913566.13  651.1513844.16  661.06
13983.17  664.1514017.92   663.514278.58  660.2214295.95   660.314504.47  663.88
14712.99     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10642.6     .15 11063.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10642.6 11063.9               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1301625.00   74711.09   489882.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1301625.00   74711.09   489882.70
  Q Total (cfs)           206224.30    Flow (cfs)              140314.10   10263.49   55646.71
  Top Width (ft)          14712.99    Top Width (ft)          10642.60     421.30    3649.09
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.09    Hydr. Depth (ft)          122.30     177.33     134.25
  Conv. Total (cfs)       465549600.0    Conv. (cfs)             316757900.0   23169740.0   125622000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10690.04     426.52    3719.53
  Min Ch El (ft)            571.79    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9585.35     606.89    3802.92
  C & E Loss (ft)             0.00    Cum SA (acres)             76.51       3.33      28.29


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1474.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.27  680.58  602.43  679.98  985.45  676.15 1004.05  676.03
 1281.09  677.87 1305.26  677.92 1970.91  667.46 2008.09  667.12    2168  669.52
  2208.9     670 2759.27     670 2811.33  669.77 3744.72  651.11 3815.38     650
 4434.54     650 4518.21  648.18 4533.09  646.69 4618.62     640 4730.18     640
 4819.43  639.03 5124.36  623.78 5221.05  619.82 5814.18  614.74 5923.88     614
 7686.54     614 7785.08  614.21 7831.57  614.21 7931.97     615 8277.81     615
 8277.81  613.93    8434  613.93    8434     610 9066.17     610 9237.23  609.57
 9657.45  604.66 9839.66  602.41 9854.54  602.1810040.47     600 10642.9     600
10764.35  571.7910864.35  571.7911064.35     60011498.89  602.5612976.33  608.69
13150.15  609.2913358.73  616.8613410.88  626.4413567.31  651.1613845.42  661.07
13984.47  664.1414019.23  663.4914279.96  660.2214297.34   660.314505.92   663.9
 14714.5     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10642.9     .1511064.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10642.911064.35               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1301672.00   74736.91   490006.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1301672.00   74736.91   490006.90
  Q Total (cfs)           206224.30    Flow (cfs)              140304.70   10265.96   55653.67
  Top Width (ft)          14714.50    Top Width (ft)          10642.90     421.45    3650.15
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.09    Hydr. Depth (ft)          122.30     177.33     134.24
  Conv. Total (cfs)       465600400.0    Conv. (cfs)             316771100.0   23177850.0   125651400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10690.34     426.66    3720.58
  Min Ch El (ft)            571.79    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9570.41     606.03    3797.30
  C & E Loss (ft)             0.00    Cum SA (acres)             76.39       3.32      28.25


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1473.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.29  680.58  602.45  679.98  985.48  676.15 1004.08  676.03
 1281.13  677.87  1305.3  677.92 1970.96  667.46 2008.15  667.12 2168.06  669.52
 2208.97     670 2759.35     670 2811.41  669.77 3744.83   651.1 3815.49     650
 4434.67     650 4518.34  648.17 4533.22  646.68 4618.75     640 4730.31     640
 4819.56  639.02  5124.5  623.77 5221.19  619.82 5814.34  614.73 5924.05     614
 7686.76     614 7785.31  614.22 7831.79  614.22  7932.2     615 8278.05     615
 8278.05  613.92 8434.24  613.92 8434.24     610 9066.43     610  9237.5  609.56
 9657.72  604.66 9839.94   602.4 9854.82  602.1810040.76     600 10643.2     600
 10764.8  571.78 10864.8  571.78 11064.8     60011499.47  602.5612977.34  608.69
13151.21  609.2913359.85  616.9113412.01  626.4813568.49  651.1713846.68  661.08
13985.77  664.1414020.54  663.4814281.34  660.2214298.73   660.314507.37  663.93
14716.01     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10643.2     .15 11064.8     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10643.2 11064.8               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1301727.00   74765.68   490129.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1301727.00   74765.68   490129.60
  Q Total (cfs)           206224.30    Flow (cfs)              140295.40   10268.94   55659.93
  Top Width (ft)          14716.01    Top Width (ft)          10643.20     421.60    3651.21
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.10    Hydr. Depth (ft)          122.31     177.34     134.24
  Conv. Total (cfs)       465654700.0    Conv. (cfs)            316787300.0   23187280.0   125680200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10690.64     426.81    3721.63
  Min Ch El (ft)            571.78    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9555.47     605.17    3791.67
  C & E Loss (ft)             0.00    Cum SA (acres)             76.26       3.32      28.21


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1473.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.31  680.58  602.46  679.98  985.51  676.14  1004.1  676.03
 1281.16  677.87 1305.34  677.92 1971.02  667.46 2008.21  667.12 2168.12  669.52
 2209.03     670 2759.43     670 2811.49  669.77 3744.94   651.1  3815.6     650
 4434.79     650 4518.47  648.15 4533.34  646.67 4618.88     640 4730.45     640
  4819.7  639.02 5124.65  623.77 5221.34  619.82 5814.51  614.73 5924.21     614
 7686.98     614 7785.53  614.22 7832.01  614.22 7932.42     615 8278.28     615
 8278.28  613.91 8434.48  613.91 8434.48     610 9066.69     610 9237.76  609.56
    9658  604.66 9840.22   602.4  9855.1  602.1710041.04     600 10643.5     600
10765.26  571.7810865.26  571.7811065.26     60011500.05  602.5712978.35   608.7
13152.27  609.2913360.97  616.9613413.14  626.5313569.67  651.1713847.94  661.09
13987.07  664.1314021.85  663.4814282.73  660.2214300.12   660.314508.82  663.96
14717.52     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10643.5     .1511065.26     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10643.511065.26               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1301769.00   74793.55   490233.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1301769.00   74793.55   490233.30
  Q Total (cfs)           206224.30    Flow (cfs)              140288.00   10271.91   55664.32
  Top Width (ft)          14717.52    Top Width (ft)          10643.50     421.76    3652.26
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.10    Hydr. Depth (ft)          122.31     177.34     134.23
  Conv. Total (cfs)       465695700.0    Conv. (cfs)            316798500.0   23196030.0   125701200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10690.94     426.97    3722.67
  Min Ch El (ft)            571.78    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9540.52     604.31    3786.05
  C & E Loss (ft)             0.00    Cum SA (acres)             76.14       3.31      28.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1472.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.32  680.58  602.48  679.98  985.54  676.14 1004.13  676.03
  1281.2  677.87 1305.37  677.92 1971.08  667.45 2008.27  667.12 2168.18  669.52
 2209.09     670 2759.51     670 2811.57  669.77 3745.04   651.1  3815.7     650
 4434.92     650  4518.6  648.14 4533.47  646.65 4619.01     640 4730.58     640
 4819.84  639.01  5124.8  623.76 5221.49  619.82 5814.67  614.73 5924.38     614
 7687.19     614 7785.75  614.22 7832.23  614.22 7932.65     615 8278.52     615
 8278.52   613.9 8434.71   613.9 8434.71     610 9066.95     610 9238.02  609.56
 9658.27  604.65  9840.5  602.39 9855.38  602.1710041.33     60010643.81     600
10765.71  571.7810865.71  571.7811065.71     60011500.63  602.5712979.36   608.7
13153.32  609.2913362.08  617.0113414.28  626.5713570.85  651.1813849.19   661.1
13988.37  664.1214023.16  663.4714284.11  660.2214301.51  660.3114510.27  663.99
14719.03     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510643.81     .1511065.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10643.8111065.71               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1301822.00   74818.01   490355.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1301822.00   74818.01   490355.80
  Q Total (cfs)           206224.30    Flow (cfs)              140279.30   10274.17   55670.84
  Top Width (ft)          14719.03    Top Width (ft)          10643.81     421.90    3653.32
```

```
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.10    Hydr. Depth (ft)          122.31     177.34     134.22
  Conv. Total (cfs)       465747500.0    Conv. (cfs)            316813900.0   23203710.0   125729900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10691.25     427.11    3723.72
  Min Ch El (ft)            571.78    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9525.58     603.45    3780.42
  C & E Loss (ft)             0.00    Cum SA (acres)             76.02       3.31      28.12


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1472.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.34  680.58   602.5  679.98  985.57  676.14 1004.16  676.03
 1281.24  677.87 1305.41  677.91 1971.13  667.45 2008.32  667.12 2168.24  669.52
 2209.15     670 2759.58     670 2811.65  669.77 3745.15   651.1 3815.81     650
 4435.05     650 4518.73  648.13  4533.6  646.64 4619.14     640 4730.72     640
 4819.97     639 5124.94  623.75 5221.64  619.81 5814.84  614.73 5924.55     614
 7687.41     614 7785.97  614.22 7832.46  614.22 7932.87     615 8278.75     615
 8278.75   613.9 8434.95   613.9 8434.95     610  9067.2     610 9238.28  609.55
 9658.54  604.65 9840.78  602.39 9855.66  602.1710041.61     60010644.11     600
10766.16  571.7810866.16  571.7811066.16     60011501.21  602.5812980.36   608.7
13154.38  609.29 13363.2  617.0613415.41  626.6213572.02  651.1913850.45   661.1
13989.67  664.1214024.47  663.46 14285.5  660.22 14302.9  660.3114511.72  664.01
14720.54     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510644.11     .1511066.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10644.1111066.16               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1301874.00   74844.01   490471.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1301874.00   74844.01   490471.80
  Q Total (cfs)           206224.30    Flow (cfs)              140271.20   10276.70   55676.44
  Top Width (ft)          14720.54    Top Width (ft)          10644.11     422.05    3654.38
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.10    Hydr. Depth (ft)          122.31     177.33     134.21
  Conv. Total (cfs)       465796600.0    Conv. (cfs)            316829000.0   23211880.0   125755800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10691.55     427.25    3724.77
  Min Ch El (ft)            571.78    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9510.64     602.59    3774.79
  C & E Loss (ft)             0.00    Cum SA (acres)             75.90       3.30      28.08


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1471.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.36  680.58  602.51  679.97  985.59  676.14 1004.19  676.03
 1281.27  677.88 1305.45  677.91 1971.19  667.45 2008.38  667.13 2168.31  669.52
 2209.22     670 2759.66     670 2811.73  669.77 3745.26  651.09 3815.92     650
 4435.17     650 4518.85  648.11 4533.73  646.63 4619.27     640 4730.85     640
 4820.11  638.99 5125.09  623.75 5221.79  619.81    5815  614.73 5924.72     614
 7687.63     614 7786.19  614.22 7832.68  614.22  7933.1     615 8278.99     615
 8278.99  613.89 8435.19  613.89 8435.19     610 9067.46     610 9238.54  609.55
 9658.82  604.65 9841.06  602.38 9855.94  602.16 10041.9     60010644.41     600
10766.62  571.7810866.62  571.7811066.62     60011501.79  602.5812981.37   608.7
13155.44  609.2913364.32  617.1113416.54  626.66 13573.2   651.213851.71  661.11
13990.97  664.1114025.78  663.4614286.88  660.2214304.29  660.3114513.17  664.04
14722.05     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510644.41     .1511066.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10644.4111066.62               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1301922.00   74871.88   490592.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1301922.00   74871.88   490592.30
  Q Total (cfs)           206224.30    Flow (cfs)              140262.00   10279.47   55682.86
  Top Width (ft)          14722.05    Top Width (ft)          10644.41     422.21    3655.43
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.10    Hydr. Depth (ft)          122.31     177.33     134.21
  Conv. Total (cfs)       465847000.0    Conv. (cfs)            316842500.0   23220630.0   125783900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10691.85     427.41    3725.81
  Min Ch El (ft)            571.78    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9495.69     601.74    3769.16
  C & E Loss (ft)             0.00    Cum SA (acres)             75.77       3.30      28.04


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1471.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.37  680.58  602.53  679.97  985.62  676.14 1004.22  676.03
 1281.31  677.88 1305.48  677.91 1971.24  667.45 2008.44  667.13 2168.37  669.53
 2209.28     670 2759.74     670 2811.81  669.76 3745.36  651.09 3816.03     650
  4435.3     650 4518.98   648.1 4533.86  646.61  4619.4     640 4730.98     640
 4820.25  638.99 5125.23  623.74 5221.93  619.81 5815.17  614.73 5924.89     614
 7687.85     614 7786.41  614.22  7832.9  614.22 7933.32     615 8279.22     615
 8279.22  613.88 8435.43  613.88 8435.43     610 9067.72     610 9238.81  609.55
 9659.09  604.64 9841.34  602.38 9856.22  602.1610042.18     60010644.71     600
10767.07  571.7810867.07  571.7811067.07     60011502.37  602.5912982.38  608.71
 13156.5  609.2913365.44  617.1513417.67  626.7113574.38  651.2113852.97  661.12
13992.27  664.1114027.09  663.4514288.27  660.2214305.68  660.3114514.62  664.07
14723.57     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510644.71     .1511067.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10644.7111067.07               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1301970.00   74898.04   490698.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1301970.00   74898.04   490698.00
  Q Total (cfs)           206224.30    Flow (cfs)              140255.00   10282.15   55687.10
  Top Width (ft)          14723.57    Top Width (ft)          10644.71     422.36    3656.50
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.10    Hydr. Depth (ft)          122.31     177.33     134.20
  Conv. Total (cfs)       465890300.0    Conv. (cfs)            316856300.0   23228850.0   125805200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10692.15     427.55    3726.87
  Min Ch El (ft)            571.78    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9480.75     600.88    3763.53
  C & E Loss (ft)             0.00    Cum SA (acres)             75.65       3.29      28.00


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1470.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.39  680.57  602.55  679.97  985.65  676.14 1004.25  676.03
 1281.34  677.88 1305.52  677.91  1971.3  667.45 2008.49  667.13 2168.43  669.53
 2209.34     670 2759.82     670 2811.89  669.76 3745.47  651.09 3816.14     650
 4435.42     650 4519.11  648.09 4533.99   646.6 4619.53     640 4731.12     640
 4820.38  638.98 5125.38  623.73 5222.08  619.81 5815.33  614.73 5925.06     614
 7688.07     614 7786.63  614.23 7833.12  614.23 7933.55     615 8279.46     615
 8279.46  613.87 8435.67  613.87 8435.67     610 9067.98     610 9239.07  609.54
 9659.37  604.64 9841.62  602.38  9856.5  602.1510042.47     60010645.01     600
10767.52  571.7710867.52  571.7711067.52     60011502.95  602.5912983.38  608.71
13157.55   609.313366.56   617.213418.81  626.7513575.56  651.2213854.23  661.13
13993.57   664.1 14028.4  663.4414289.65  660.2214307.07  660.3214516.07   664.1
14725.08     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510645.01     .1511067.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10645.0111067.52               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1302019.00   74926.65   490818.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1302019.00   74926.65   490818.60
  Q Total (cfs)           206224.30    Flow (cfs)              140245.80   10285.18   55693.37
  Top Width (ft)          14725.08    Top Width (ft)          10645.01     422.51    3657.56
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.11    Hydr. Depth (ft)          122.31     177.34     134.19
  Conv. Total (cfs)       465941200.0    Conv. (cfs)            316870000.0   23238230.0   125833100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10692.45     427.70    3727.92
  Min Ch El (ft)            571.77    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9465.80     600.02    3757.90
  C & E Loss (ft)             0.00    Cum SA (acres)             75.53       3.29      27.95


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1470.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.41  680.57  602.57  679.97  985.68  676.14 1004.28  676.03
 1281.38  677.88 1305.56  677.91 1971.36  667.45 2008.55  667.13 2168.49  669.53
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 2209.41     670  2759.9     670 2811.97  669.76 3745.57  651.09 3816.25     650
 4435.55     650 4519.24  648.08 4534.12  646.59 4619.67     640 4731.25     640
 4820.52  638.97 5125.52  623.72 5222.23  619.81  5815.5  614.72 5925.22     614
 7688.28     614 7786.85  614.23 7833.35  614.23 7933.77     615 8279.69     615
 8279.69  613.87 8435.91  613.87 8435.91     610 9068.23     610 9239.33  609.54
 9659.64  604.64  9841.9  602.37 9856.78  602.1510042.75     60010645.32     600
10767.98  571.7710867.98  571.7711067.98     60011503.53   602.612984.39  608.71
13158.61   609.313367.67  617.2513419.94   626.813576.74  651.2213855.49  661.13
13994.86  664.0914029.71  663.4414291.04  660.2114308.46  660.3214517.52  664.12
14726.59     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510645.32     .1511067.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10645.3211067.98               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1302066.00   74952.82   490936.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1302066.00   74952.82   490936.00
  Q Total (cfs)           206224.30    Flow (cfs)              140237.10   10287.75   55699.45
  Top Width (ft)          14726.59    Top Width (ft)          10645.32     422.66    3658.61
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.11    Hydr. Depth (ft)          122.31     177.34     134.19
  Conv. Total (cfs)       465989600.0    Conv. (cfs)            316883300.0   23246450.0   125859900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10692.76     427.85    3728.96
  Min Ch El (ft)            571.77    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9450.86     599.16    3752.26
  C & E Loss (ft)             0.00    Cum SA (acres)             75.41       3.28      27.91


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1469.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.42  680.57  602.58  679.97  985.71  676.14  1004.3  676.03
 1281.42  677.88 1305.59  677.91 1971.41  667.45 2008.61  667.13 2168.55  669.53
 2209.47     670 2759.98     670 2812.05  669.76 3745.68  651.09 3816.35     650
 4435.67     650 4519.37  648.06 4534.25  646.58  4619.8     640 4731.39     640
 4820.66  638.97 5125.67  623.72 5222.38  619.81 5815.66  614.72 5925.39     614
  7688.5     614 7787.07  614.23 7833.57  614.23    7934     615 8279.93     615
 8279.93  613.86 8436.15  613.86 8436.15     610 9068.49     610 9239.59  609.54
 9659.91  604.63 9842.18  602.37 9857.05  602.1410043.04     60010645.62     600
10768.43  571.7710868.43  571.7711068.43     600 11504.1   602.6 12985.4  608.71
13159.67   609.313368.79   617.313421.07  626.8413577.92  651.2313856.75  661.14
13996.16  664.0914031.02  663.4314292.42  660.2114309.85  660.3214518.97  664.15
 14728.1     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510645.62     .1511068.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10645.6211068.43               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1302110.00   74978.81   491058.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1302110.00   74978.81   491058.70
  Q Total (cfs)           206224.30    Flow (cfs)              140227.70   10290.28   55706.35
  Top Width (ft)          14728.10    Top Width (ft)          10645.62     422.81    3659.67
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.11    Hydr. Depth (ft)          122.31     177.33     134.18
  Conv. Total (cfs)       466038300.0    Conv. (cfs)            316895100.0   23254610.0   125888600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10693.06     427.99    3730.01
  Min Ch El (ft)            571.77    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9435.91     598.29    3746.62
  C & E Loss (ft)             0.00    Cum SA (acres)             75.29       3.28      27.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1469.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.44  680.57   602.6  679.97  985.73  676.14 1004.33  676.03
 1281.45  677.88 1305.63  677.91 1971.47  667.45 2008.66  667.13 2168.61  669.53
 2209.53     670 2760.05     670 2812.13  669.76 3745.79  651.08 3816.46     650
  4435.8     650  4519.5  648.05 4534.37  646.56 4619.93     640 4731.52     640
 4820.79  638.96 5125.81  623.71 5222.53  619.81 5815.83  614.72 5925.56     614
 7688.72     614 7787.29  614.23 7833.79  614.23 7934.22     615 8280.16     615
 8280.16  613.85 8436.39  613.85 8436.39     610 9068.75     610 9239.86  609.54
 9660.19  604.63 9842.46  602.36 9857.33  602.1410043.32     60010645.92     600
10768.88  571.7710868.88  571.7711068.88     60011504.68   602.61 12986.4  608.72
13160.72   609.313369.91  617.3513422.21  626.8913579.09  651.2413858.01  661.15
13997.46  664.0814032.33  663.4214293.81  660.2114311.24  660.3214520.42  664.18
14729.61     695

Manning's n Values        num=       3
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     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510645.92     .1511068.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10645.9211068.88               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1302160.00   75004.98   491163.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1302160.00   75004.98   491163.20
  Q Total (cfs)           206224.30    Flow (cfs)              140220.90   10292.96   55710.45
  Top Width (ft)          14729.61    Top Width (ft)          10645.92     422.96    3660.73
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.11    Hydr. Depth (ft)          122.32     177.33     134.17
  Conv. Total (cfs)       466081900.0    Conv. (cfs)            316909400.0   23262830.0   125909700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10693.35     428.14    3731.06
  Min Ch El (ft)            571.77    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9420.97     597.43    3740.99
  C & E Loss (ft)             0.00    Cum SA (acres)             75.16       3.28      27.83


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1468.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.46  680.57  602.62  679.97  985.76  676.14 1004.36  676.03
 1281.49  677.88 1305.67  677.91 1971.52  667.45 2008.72  667.13 2168.68  669.53
 2209.59     670 2760.13     670 2812.21  669.76 3745.89  651.08 3816.57     650
 4435.93     650 4519.62  648.04  4534.5  646.55 4620.06     640 4731.66     640
 4820.93  638.95 5125.96   623.7 5222.68  619.81 5815.99  614.72 5925.73     614
 7688.94     614 7787.52  614.23 7834.01  614.23 7934.45     615  8280.4     615
  8280.4  613.84 8436.63  613.84 8436.63     610 9069.01     610 9240.12  609.53
 9660.46  604.63 9842.74  602.36 9857.61  602.1410043.61     60010646.22     600
10769.33  571.7710869.33  571.7711069.33     60011505.26  602.6112987.41  608.72
13161.78   609.313371.03   617.413423.34  626.9313580.27  651.2513859.26  661.16
13998.76  664.0814033.63  663.4214295.19  660.2114312.63  660.3214521.87  664.21
14731.12     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510646.22     .1511069.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10646.2211069.33               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1302206.00   75031.15   491284.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1302206.00   75031.15   491284.20
  Q Total (cfs)           206224.30    Flow (cfs)              140211.80   10295.51   55717.01
  Top Width (ft)          14731.12    Top Width (ft)          10646.22     423.11    3661.79
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.11    Hydr. Depth (ft)          122.32     177.33     134.17
  Conv. Total (cfs)       466130900.0    Conv. (cfs)            316922100.0   23271050.0   125937700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10693.65     428.29    3732.11
  Min Ch El (ft)            571.77    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9406.02     596.57    3735.35
  C & E Loss (ft)             0.00    Cum SA (acres)             75.04       3.27      27.79


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1468.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.47  680.57  602.63  679.97  985.79  676.14 1004.39  676.03
 1281.53  677.88 1305.71  677.91 1971.58  667.45 2008.78  667.13 2168.74  669.53
 2209.66     670 2760.21     670 2812.29  669.75    3746  651.08 3816.68     650
 4436.05     650 4519.75  648.02 4534.63  646.54 4620.19     640 4731.79     640
 4821.07  638.95  5126.1  623.69 5222.82   619.8 5816.16  614.72  5925.9     614
 7689.16     614 7787.74  614.23 7834.24  614.23 7934.67     615 8280.63     615
 8280.63  613.84 8436.87  613.84 8436.87     610 9069.26     610 9240.38  609.53
 9660.74  604.62 9843.01  602.35 9857.89  602.1310043.89     60010646.53     600
10769.79  571.7710869.79  571.7711069.79     60011505.84  602.6212988.42  608.72
13162.84   609.313372.14  617.4413424.47  626.9813581.45  651.2613860.52  661.16
14000.06  664.0714034.94  663.4114296.58  660.2114314.02  660.3314523.32  664.23
14732.63     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510646.53     .1511069.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10646.5311069.79               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1302261.00   75057.15   491399.70
```

```
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1302261.00   75057.15   491399.70
  Q Total (cfs)           206224.30    Flow (cfs)              140203.80   10298.01   55722.45
  Top Width (ft)          14732.63    Top Width (ft)          10646.53     423.26    3662.84
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.11    Hydr. Depth (ft)          122.32     177.33     134.16
  Conv. Total (cfs)       466181300.0    Conv. (cfs)            316938400.0   23279210.0   125963600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10693.96     428.43    3733.15
  Min Ch El (ft)            571.77    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9391.07     595.71    3729.71
  C & E Loss (ft)             0.00    Cum SA (acres)             74.92       3.27      27.74


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1467.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.49  680.57  602.65  679.97  985.82  676.14 1004.42  676.03
 1281.56  677.88 1305.74  677.91 1971.63  667.45 2008.84  667.13  2168.8  669.53
 2209.72     670 2760.29     670 2812.37  669.75 3746.11  651.08 3816.79     650
 4436.18     650 4519.88  648.01 4534.76  646.52 4620.32     640 4731.92     640
 4821.21  638.94 5126.25  623.69 5222.97   619.8 5816.32  614.72 5926.06     614
 7689.38     614 7787.96  614.23 7834.46  614.23  7934.9     615 8280.87     615
 8280.87  613.83 8437.11  613.83 8437.11     610 9069.52     610 9240.64  609.53
 9661.01  604.62 9843.29  602.35 9858.17  602.1310044.18     60010646.83     600
10770.24  571.7710870.24  571.7711070.24     60011506.42  602.6212989.43  608.72
 13163.9   609.313373.26  617.49 13425.6  627.0213582.63  651.2613861.78  661.17
14001.36  664.0614036.25   663.414297.96  660.2114315.41  660.3314524.77  664.26
14734.14     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510646.83     .1511070.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10646.8311070.24               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1302303.00   75083.31   491525.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1302303.00   75083.31   491525.10
  Q Total (cfs)           206224.30    Flow (cfs)              140193.90   10300.56   55729.85
  Top Width (ft)          14734.14    Top Width (ft)          10646.83     423.41    3663.90
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.11    Hydr. Depth (ft)          122.32     177.33     134.15
  Conv. Total (cfs)       466230500.0    Conv. (cfs)            316949400.0   23287430.0   125993700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10694.26     428.58    3734.20
  Min Ch El (ft)            571.77    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9376.12     594.85    3724.07
  C & E Loss (ft)             0.00    Cum SA (acres)             74.80       3.26      27.70


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1467.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.51  680.57  602.67  679.97  985.85  676.14 1004.45  676.03
  1281.6  677.88 1305.78  677.91 1971.69  667.44 2008.89  667.13 2168.86  669.53
 2209.78     670 2760.37     670 2812.45  669.75 3746.21  651.08  3816.9     650
  4436.3     650 4520.01     648 4534.89  646.51 4620.45     640 4732.06     640
 4821.34  638.93  5126.4  623.68 5223.12   619.8 5816.49  614.72 5926.23     614
 7689.59     614 7788.18  614.24 7834.68  614.24 7935.12     615  8281.1     615
  8281.1  613.82 8437.35  613.82 8437.35     610 9069.78     610 9240.91  609.52
 9661.28  604.62 9843.57  602.35 9858.45  602.1210044.46     60010647.13     600
 10770.7  571.76 10870.7  571.76 11070.7     600   11507  602.6312990.43  608.73
13164.96  609.3113374.38  617.5413426.74  627.0713583.81  651.2713863.04  661.18
14002.66  664.0614037.56   663.414299.34  660.21 14316.8  660.3314526.22  664.29
14735.65     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510647.13     .15 11070.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10647.13 11070.7               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1302352.00   75113.80   491624.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1302352.00   75113.80   491624.00
  Q Total (cfs)           206224.30    Flow (cfs)              140187.20   10304.02   55733.05
  Top Width (ft)          14735.65    Top Width (ft)          10647.13     423.57    3664.95
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.12    Hydr. Depth (ft)          122.32     177.33     134.14
  Conv. Total (cfs)       466273300.0    Conv. (cfs)            316963500.0   23297400.0   126012500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10694.56     428.74    3735.24
  Min Ch El (ft)            571.76    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9361.18     593.99    3718.43
  C & E Loss (ft)             0.00    Cum SA (acres)             74.68       3.26      27.66
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1466.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.52  680.57  602.68  679.97  985.87  676.14 1004.47  676.03
 1281.64  677.88 1305.82  677.91 1971.75  667.44 2008.95  667.13 2168.92  669.53
 2209.84     670 2760.45     670 2812.53  669.75 3746.32  651.07    3817     650
 4436.43     650 4520.14  647.99 4535.02   646.5 4620.58     640 4732.19     640
 4821.48  638.93 5126.54  623.67 5223.27   619.8 5816.65  614.71  5926.4     614
 7689.81     614  7788.4  614.24  7834.9  614.24 7935.35     615 8281.34     615
 8281.34  613.81 8437.59  613.81 8437.59     610 9070.04     610 9241.17  609.52
 9661.56  604.62 9843.85  602.34 9858.73  602.1210044.75     60010647.43     600
10771.15  571.7610871.15  571.7611071.15     60011507.58  602.6312991.44  608.73
13166.01  609.31 13375.5  617.5913427.87  627.1113584.99  651.28 13864.3  661.19
14003.96  664.0514038.87  663.3914300.73  660.2114318.19  660.3314527.67  664.32
14737.16     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510647.43     .1511071.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10647.4311071.15               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1302402.00   75139.97   491747.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1302402.00   75139.97   491747.30
  Q Total (cfs)           206224.30    Flow (cfs)              140178.10   10306.51   55739.72
  Top Width (ft)          14737.16    Top Width (ft)          10647.43     423.72    3666.01
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.12    Hydr. Depth (ft)          122.32     177.33     134.14
  Conv. Total (cfs)       466325100.0    Conv. (cfs)            316978000.0   23305610.0   126041600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10694.86     428.89    3736.29
  Min Ch El (ft)            571.76    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9346.23     593.13    3712.78
  C & E Loss (ft)             0.00    Cum SA (acres)             74.55       3.25      27.62


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1466.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.54  680.56   602.7  679.97   985.9  676.14  1004.5  676.03
 1281.67  677.88 1305.85  677.91  1971.8  667.44 2009.01  667.14 2168.98  669.53
 2209.91     670 2760.52     670 2812.61  669.75 3746.43  651.07 3817.11     650
 4436.56     650 4520.26  647.97 4535.15  646.49 4620.71     640 4732.33     640
 4821.62  638.92 5126.69  623.67 5223.42   619.8 5816.82  614.71 5926.57     614
 7690.03     614 7788.62  614.24 7835.12  614.24 7935.58     615 8281.57     615
 8281.57  613.81 8437.83  613.81 8437.83     610 9070.29     610 9241.43  609.52
 9661.83  604.61 9844.13  602.34 9859.01  602.1110045.03     60010647.73     600
 10771.6  571.76 10871.6  571.76 11071.6     60011508.16  602.6412992.45  608.73
13167.07  609.3113376.62  617.64   13429  627.1613586.16  651.2913865.56  661.19
14005.26  664.0514040.18  663.3814302.11  660.2114319.58  660.3314529.12  664.34
14738.67     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510647.73     .15 11071.6     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10647.73 11071.6               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1302449.00   75165.80   491863.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1302449.00   75165.80   491863.30
  Q Total (cfs)           206224.30    Flow (cfs)              140169.70   10309.06   55745.55
  Top Width (ft)          14738.67    Top Width (ft)          10647.73     423.87    3667.07
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.12    Hydr. Depth (ft)          122.32     177.33     134.13
  Conv. Total (cfs)       466372100.0    Conv. (cfs)            316990900.0   23313720.0   126067400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10695.16     429.03    3737.34
  Min Ch El (ft)            571.76    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9331.28     592.26    3707.14
  C & E Loss (ft)             0.00    Cum SA (acres)             74.43       3.25      27.58


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1465.5*

INPUT
Description:
Station Elevation Data    num=      56
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```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.56  680.56  602.72  679.97  985.93  676.14 1004.53  676.03
 1281.71  677.88 1305.89  677.91 1971.86  667.44 2009.06  667.14 2169.04  669.54
 2209.97     670  2760.6     670 2812.69  669.75 3746.53  651.07 3817.22     650
 4436.68     650 4520.39  647.96 4535.27  646.47 4620.85     640 4732.46     640
 4821.75  638.91 5126.83  623.66 5223.56   619.8 5816.98  614.71 5926.74     614
 7690.25     614 7788.84  614.24 7835.35  614.24  7935.8     615 8281.81     615
 8281.81   613.8 8438.07   613.8 8438.07     610 9070.55     610 9241.69  609.51
 9662.11  604.61 9844.41  602.33 9859.29  602.1110045.32     60010648.04     600
10772.05  571.7610872.05  571.7611072.05     60011508.74  602.6412993.45  608.73
13168.13  609.3113377.73  617.6913430.14  627.2113587.34   651.313866.82   661.2
14006.56  664.0414041.49  663.38 14303.5  660.2114320.97  660.3414530.57  664.37
14740.18     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510648.04     .1511072.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10648.0411072.05               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1302497.00   75190.27   491982.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1302497.00   75190.27   491982.90
  Q Total (cfs)           206224.30    Flow (cfs)              140161.00   10311.38   55751.91
  Top Width (ft)          14740.18    Top Width (ft)          10648.04     424.01    3668.13
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.12    Hydr. Depth (ft)          122.32     177.33     134.12
  Conv. Total (cfs)       466420600.0    Conv. (cfs)            317004300.0   23321410.0   126094900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10695.47     429.17    3738.39
  Min Ch El (ft)            571.76    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9316.33     591.40    3701.49
  C & E Loss (ft)             0.00    Cum SA (acres)             74.31       3.24      27.53


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1465.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.57  680.56  602.74  679.97  985.96  676.14 1004.56  676.03
 1281.74  677.88 1305.93  677.91 1971.91  667.44 2009.12  667.14 2169.11  669.54
 2210.03     670 2760.68     670 2812.77  669.74 3746.64  651.07 3817.33     650
 4436.81     650 4520.52  647.95  4535.4  646.46 4620.98     640  4732.6     640
 4821.89  638.91 5126.98  623.65 5223.71   619.8 5817.15  614.71 5926.91     614
 7690.47     614 7789.06  614.24 7835.57  614.24 7936.03     615 8282.04     615
 8282.04  613.79 8438.31  613.79 8438.31     610 9070.81     610 9241.95  609.51
 9662.38  604.61 9844.69  602.33 9859.57  602.11 10045.6     60010648.34     600
10772.51  571.7610872.51  571.7611072.51     60011509.32  602.6412994.46  608.74
13169.18  609.3113378.85  617.7313431.27  627.2513588.52  651.3113868.08  661.21
14007.86  664.03 14042.8  663.3714304.88  660.2114322.36  660.3414532.02   664.4
14741.69     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510648.34     .1511072.51     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10648.3411072.51               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1302543.00   75218.13   492097.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1302543.00   75218.13   492097.70
  Q Total (cfs)           206224.30    Flow (cfs)              140152.50   10314.20   55757.58
  Top Width (ft)          14741.69    Top Width (ft)          10648.34     424.17    3669.18
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.12    Hydr. Depth (ft)          122.32     177.33     134.12
  Conv. Total (cfs)       466467800.0    Conv. (cfs)            317017100.0   23330150.0   126120500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10695.77     429.32    3739.43
  Min Ch El (ft)            571.76    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9301.37     590.54    3695.84
  C & E Loss (ft)             0.00    Cum SA (acres)             74.19       3.24      27.49


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1464.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.59  680.56  602.75  679.97  985.99  676.14 1004.59  676.03
 1281.78  677.88 1305.97  677.91 1971.97  667.44 2009.18  667.14 2169.17  669.54
  2210.1     670 2760.76     670 2812.85  669.74 3746.74  651.07 3817.44     650
 4436.93     650 4520.65  647.94 4535.53  646.45 4621.11     640 4732.73     640
 4822.03   638.9 5127.12  623.64 5223.86   619.8 5817.31  614.71 5927.07     614
 7690.69     614 7789.28  614.24 7835.79  614.24 7936.25     615 8282.28     615
 8282.28  613.78 8438.54  613.78 8438.54     610 9071.06     610 9242.22  609.51
 9662.66   604.6 9844.97  602.33 9859.85   602.110045.89     60010648.64     600
10772.96  571.7610872.96  571.7611072.96     60011509.89  602.6512995.47  608.74
13170.24  609.3113379.97  617.78 13432.4   627.3 13589.7  651.3113869.34  661.22
14009.15  664.0314044.11  663.3614306.27  660.2114323.75  660.3414533.47  664.43
```

```
 14743.2     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510648.64     .1511072.96     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10648.6411072.96               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1302590.00   75244.30   492211.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1302590.00   75244.30   492211.50
  Q Total (cfs)           206224.30    Flow (cfs)              140144.40   10316.81   55763.11
  Top Width (ft)          14743.20    Top Width (ft)           10648.64     424.32    3670.24
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.12    Hydr. Depth (ft)           122.32     177.33     134.11
  Conv. Total (cfs)       466514200.0    Conv. (cfs)            317030300.0   23338370.0   126145600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         10696.07     429.47    3740.48
  Min Ch El (ft)            571.76    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9286.42     589.67    3690.19
  C & E Loss (ft)             0.00    Cum SA (acres)             74.06       3.23      27.45


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1464.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.61  680.56  602.77  679.97  986.01  676.14 1004.62  676.03
 1281.82  677.88    1306  677.91 1972.03  667.44 2009.23  667.14 2169.23  669.54
 2210.16     670 2760.84     670 2812.93  669.74 3746.85  651.06 3817.55     650
 4437.06     650 4520.78  647.92 4535.66  646.43 4621.24     640 4732.86     640
 4822.16  638.89 5127.27  623.64 5224.01  619.79 5817.48  614.71 5927.24     614
  7690.9     614  7789.5  614.24 7836.01  614.24 7936.48     615 8282.51     615
 8282.51  613.78 8438.78  613.78 8438.78     610 9071.32     610 9242.48   609.5
 9662.93   604.6 9845.25  602.32 9860.13   602.110046.17     60010648.94     600
10773.41  571.7610873.41  571.7611073.41     60011510.47  602.6512996.47  608.74
 13171.3  609.3113381.09  617.8313433.54  627.3413590.88  651.3213870.59  661.22
14010.45  664.0214045.42  663.3614307.65  660.2114325.14  660.3414534.92  664.45
14744.71     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510648.94     .1511073.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10648.9411073.41               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1302643.00   75270.30   492337.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1302643.00   75270.30   492337.60
  Q Total (cfs)           206224.30    Flow (cfs)              140135.10   10319.22   55770.02
  Top Width (ft)          14744.71    Top Width (ft)           10648.94     424.47    3671.30
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.12    Hydr. Depth (ft)           122.33     177.33     134.10
  Conv. Total (cfs)       466568200.0    Conv. (cfs)            317045900.0   23346530.0   126175800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         10696.37     429.62    3741.53
  Min Ch El (ft)            571.76    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9271.47     588.81    3684.54
  C & E Loss (ft)             0.00    Cum SA (acres)             73.94       3.23      27.41


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1463.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.62  680.56  602.79  679.97  986.04  676.14 1004.65  676.03
 1281.85  677.88 1306.04  677.91 1972.08  667.44 2009.29  667.14 2169.29  669.54
 2210.22     670 2760.92     670 2813.01  669.74 3746.96  651.06 3817.65     650
 4437.19     650 4520.91  647.91 4535.79  646.42 4621.37     640    4733     640
  4822.3  638.89 5127.41  623.63 5224.16  619.79 5817.64  614.71 5927.41     614
 7691.12     614 7789.73  614.25 7836.24  614.25  7936.7     615 8282.75     615
 8282.75  613.77 8439.02  613.77 8439.02     610 9071.58     610 9242.74   609.5
  9663.2   604.6 9845.53  602.32 9860.41  602.0910046.46     60010649.25     600
10773.87  571.7510873.87  571.7511073.87     60011511.05  602.6612997.48  608.74
13172.36  609.3113382.21  617.8813434.67  627.3913592.05  651.3313871.85  661.23
14011.75  664.0214046.73  663.3514309.04  660.2114326.53  660.3414536.38  664.48
14746.22     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510649.25     .1511073.87     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10649.2511073.87               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
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```
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1302686.00   75299.09   492447.80
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1302686.00   75299.09   492447.80
  Q Total (cfs)          206224.30    Flow (cfs)              140126.70   10322.42   55775.19
  Top Width (ft)         14746.22    Top Width (ft)          10649.25     424.62    3672.35
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        188.13    Hydr. Depth (ft)          122.33     177.33     134.10
  Conv. Total (cfs)      466612600.0    Conv. (cfs)            317057100.0   23355970.0   126199500.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10696.67     429.77    3742.57
  Min Ch El (ft)           571.75    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     9256.52     587.95    3678.89
  C & E Loss (ft)            0.00    Cum SA (acres)             73.82       3.22      27.36


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1463.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.64  680.56   602.8  679.97  986.07  676.14 1004.67  676.03
 1281.89  677.88 1306.08   677.9 1972.14  667.44 2009.35  667.14 2169.35  669.54
 2210.28     670 2760.99     670 2813.09  669.74 3747.06  651.06 3817.76     650
 4437.31     650 4521.03   647.9 4535.92  646.41  4621.5     640 4733.13     640
 4822.44  638.88 5127.56  623.62 5224.31  619.79 5817.81   614.7 5927.58     614
 7691.34     614 7789.95  614.25 7836.46  614.25 7936.93     615 8282.98     615
 8282.98  613.76 8439.26  613.76 8439.26     610 9071.84     610    9243   609.5
 9663.48  604.59 9845.81  602.31 9860.69  602.0910046.74     60010649.55     600
10774.32  571.7510874.32  571.7511074.32     60011511.63  602.6612998.49  608.75
13173.41  609.3213383.32  617.93 13435.8  627.4313593.23  651.3413873.11  661.24
14013.05  664.0114048.04  663.3414310.42  660.2114327.92  660.3514537.83  664.51
14747.73     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510649.55     .1511074.32     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10649.5511074.32               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1302740.00   75325.27   492559.70
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1302740.00   75325.27   492559.70
  Q Total (cfs)          206224.30    Flow (cfs)              140119.20   10324.98   55780.11
  Top Width (ft)         14747.73    Top Width (ft)          10649.55     424.77    3673.41
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        188.13    Hydr. Depth (ft)          122.33     177.33     134.09
  Conv. Total (cfs)      466660800.0    Conv. (cfs)            317073000.0   23364190.0   126223700.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10696.97     429.91    3743.62
  Min Ch El (ft)           571.75    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     9241.57     587.08    3673.24
  C & E Loss (ft)            0.00    Cum SA (acres)             73.70       3.22      27.32


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1462.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.66  680.56  602.82  679.97   986.1  676.14  1004.7  676.03
 1281.93  677.88 1306.11   677.9 1972.19  667.44 2009.41  667.14 2169.41  669.54
 2210.35     670 2761.07     670 2813.17  669.74 3747.17  651.06 3817.87     650
 4437.44     650 4521.16  647.88 4536.05   646.4 4621.63     640 4733.27     640
 4822.57  638.87 5127.71  623.61 5224.45  619.79 5817.97   614.7 5927.75     614
 7691.56     614 7790.17  614.25 7836.68  614.25 7937.15     615 8283.22     615
 8283.22  613.75  8439.5  613.75  8439.5     610 9072.09     610 9243.26   609.5
 9663.75  604.59 9846.09  602.31 9860.97  602.0910047.03     60010649.85     600
10774.77  571.7510874.77  571.7511074.77     60011512.21  602.67 12999.5  608.75
13174.47  609.3213384.44  617.9813436.93  627.4813594.41  651.3513874.37  661.25
14014.35     66414049.34  663.3414311.81  660.21 14329.3  660.3514539.28  664.54
14749.25     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510649.85     .1511074.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10649.8511074.77               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1302783.00   75351.27   492671.70
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1302783.00   75351.27   492671.70
  Q Total (cfs)          206224.30    Flow (cfs)              140111.20   10327.61   55785.47
  Top Width (ft)         14749.25    Top Width (ft)          10649.85     424.92    3674.48
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        188.13    Hydr. Depth (ft)          122.33     177.33     134.08
  Conv. Total (cfs)      466704700.0    Conv. (cfs)            317084700.0   23372350.0   126247700.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10697.27     430.06    3744.68
  Min Ch El (ft)           571.75    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
```

```
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     9226.61     586.22    3667.58
  C & E Loss (ft)            0.00    Cum SA (acres)             73.57       3.21      27.28


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1462.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.68  680.55  602.84  679.97  986.13  676.14 1004.73  676.03
 1281.96  677.88 1306.15   677.9 1972.25  667.44 2009.46  667.14 2169.48  669.54
 2210.41     670 2761.15     670 2813.25  669.74 3747.28  651.05 3817.98     650
 4437.56     650 4521.29  647.87 4536.18  646.38 4621.76     640  4733.4     640
 4822.71  638.86 5127.85  623.61  5224.6  619.79 5818.14   614.7 5927.91     614
 7691.78     614 7790.39  614.25  7836.9  614.25 7937.38     615 8283.45     615
 8283.45  613.75 8439.74  613.75 8439.74     610 9072.35     610 9243.53  609.49
 9664.03  604.59 9846.37   602.3 9861.25  602.0810047.31     60010650.15     600
10775.23  571.7510875.23  571.7511075.23     60011512.79  602.67 13000.5  608.75
13175.53  609.3213385.56  618.0213438.07  627.5213595.59  651.3513875.63  661.25
14015.65     66414050.65  663.3314313.19  660.21 14330.7  660.3514540.72  664.56
14750.75     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510650.15     .1511075.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10650.1511075.23               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1302836.00   75379.13   492799.30
  E.G. Slope (ft/ft)      0.000000   Area (sq ft)            1302836.00   75379.13   492799.30
  Q Total (cfs)           206224.30   Flow (cfs)              140101.40   10330.25   55792.63
  Top Width (ft)          14750.75   Top Width (ft)          10650.15     425.08    3675.52
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)           0.11       0.14       0.11
  Max Chl Dpth (ft)        188.13    Hydr. Depth (ft)          122.33     177.33     134.08
  Conv. Total (cfs)       466760400.0   Conv. (cfs)            317100400.0   23381090.0   126279000.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10697.57     430.22    3745.71
  Min Ch El (ft)           571.75    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     9211.66     585.35    3661.93
  C & E Loss (ft)            0.00    Cum SA (acres)             73.45       3.21      27.24


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1461.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.69  680.55  602.86  679.97  986.15  676.14 1004.76  676.03
    1282  677.88 1306.19   677.9 1972.31  667.44 2009.52  667.14 2169.54  669.54
 2210.47     670 2761.23     670 2813.33  669.73 3747.38  651.05 3818.09     650
 4437.69     650 4521.42  647.86  4536.3  646.37  4621.9     640 4733.53     640
 4822.85  638.86    5128   623.6 5224.75  619.79  5818.3   614.7 5928.08     614
 7691.99     614 7790.61  614.25 7837.13  614.25  7937.6     615 8283.69     615
 8283.69  613.74 8439.98  613.74 8439.98     610 9072.61     610 9243.79  609.49
  9664.3  604.58 9846.65   602.3 9861.53  602.08 10047.6     60010650.45     600
10775.68  571.7510875.68  571.7511075.68     60011513.37  602.6813001.51  608.75
13176.59  609.3213386.68  618.07 13439.2  627.5713596.77  651.3613876.89  661.26
14016.95  663.9914051.96  663.3214314.58  660.2114332.08  660.3514542.17  664.59
14752.27     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510650.45     .1511075.68     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10650.4511075.68               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1302885.00   75405.13   492912.60
  E.G. Slope (ft/ft)      0.000000   Area (sq ft)            1302885.00   75405.13   492912.60
  Q Total (cfs)           206224.30   Flow (cfs)              140093.60   10332.81   55797.91
  Top Width (ft)          14752.27   Top Width (ft)          10650.45     425.23    3676.59
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)           0.11       0.14       0.11
  Max Chl Dpth (ft)        188.13    Hydr. Depth (ft)          122.33     177.33     134.07
  Conv. Total (cfs)       466807200.0   Conv. (cfs)            317114300.0   23389250.0   126303600.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10697.87     430.36    3746.77
  Min Ch El (ft)           571.75    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     9196.70     584.49    3656.27
  C & E Loss (ft)            0.00    Cum SA (acres)             73.33       3.20      27.20


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1461.*
```

```
INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.71  680.55  602.87  679.97  986.18  676.14 1004.79  676.03
 1282.04  677.88 1306.22   677.9 1972.36  667.43 2009.58  667.14  2169.6  669.54
 2210.53     670 2761.31     670 2813.41  669.73 3747.49  651.05  3818.2     650
 4437.81     650 4521.55  647.85 4536.43  646.36 4622.03     640 4733.67     640
 4822.98  638.85 5128.14  623.59  5224.9  619.79 5818.47   614.7 5928.25     614
 7692.21     614 7790.83  614.25 7837.35  614.25 7937.83     615 8283.92     615
 8283.92  613.73 8440.22  613.73 8440.22     610 9072.87     610 9244.05  609.49
 9664.57  604.58 9846.92   602.3 9861.81  602.0710047.88     60010650.75     600
10776.13  571.7510876.13  571.7511076.13     60011513.95  602.6813002.52  608.76
13177.64  609.3213387.79  618.1213440.33  627.6113597.95  651.3713878.15  661.27
14018.25  663.9814053.27  663.3214315.96  660.2114333.47  660.3614543.62  664.62
14753.78     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510650.75     .1511076.13     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10650.7511076.13               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1302933.00   75431.30   493024.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1302933.00   75431.30   493024.80
  Q Total (cfs)           206224.30    Flow (cfs)              140085.70   10335.42   55803.16
  Top Width (ft)          14753.78    Top Width (ft)          10650.75     425.38    3677.65
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.13    Hydr. Depth (ft)          122.33     177.33     134.06
  Conv. Total (cfs)       466853200.0    Conv. (cfs)            317127800.0   23397460.0   126327900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10698.17     430.51    3747.82
  Min Ch El (ft)            571.75    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9181.75     583.62    3650.61
  C & E Loss (ft)             0.00    Cum SA (acres)             73.21       3.20      27.15


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1460.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.73  680.55  602.89  679.97  986.21  676.14 1004.82  676.03
 1282.07  677.88 1306.26   677.9 1972.42  667.43 2009.63  667.14 2169.66  669.54
  2210.6     670 2761.39     670 2813.49  669.73 3747.59  651.05  3818.3     650
 4437.94     650 4521.68  647.83 4536.56  646.34 4622.16     640  4733.8     640
 4823.12  638.84 5128.29  623.59 5225.05  619.79 5818.63   614.7 5928.42     614
 7692.43     614 7791.05  614.26 7837.57  614.26 7938.05     615 8284.16     615
 8284.16  613.72 8440.46  613.72 8440.46     610 9073.12     610 9244.31  609.48
 9664.85  604.58  9847.2  602.29 9862.09  602.0710048.17     60010651.06     600
10776.59  571.7410876.59  571.7411076.59     60011514.53  602.6913003.52  608.76
 13178.7  609.3213388.91  618.1713441.46  627.6613599.12  651.3813879.41  661.28
14019.55  663.9814054.58  663.3114317.35  660.2114334.86  660.3614545.08  664.65
14755.29     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510651.06     .1511076.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10651.0611076.59               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1302979.00   75460.10   493134.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1302979.00   75460.10   493134.90
  Q Total (cfs)           206224.30    Flow (cfs)              140077.60   10338.58   55808.12
  Top Width (ft)          14755.29    Top Width (ft)          10651.06     425.53    3678.70
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.14    Hydr. Depth (ft)          122.33     177.33     134.05
  Conv. Total (cfs)       466898900.0    Conv. (cfs)            317140500.0   23406910.0   126351500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10698.48     430.66    3748.86
  Min Ch El (ft)            571.74    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9166.79     582.75    3644.95
  C & E Loss (ft)             0.00    Cum SA (acres)             73.09       3.19      27.11


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1460.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.74  680.55  602.91  679.97  986.24  676.14 1004.85  676.03
 1282.11  677.88  1306.3   677.9 1972.47  667.43 2009.69  667.15 2169.72  669.55
 2210.66     670 2761.46     670 2813.57  669.73  3747.7  651.05 3818.41     650
 4438.07     650  4521.8  647.82 4536.69  646.33 4622.29     640 4733.94     640
 4823.26  638.84 5128.43  623.58  5225.2  619.78  5818.8   614.7 5928.59     614
 7692.65     614 7791.27  614.26 7837.79  614.26 7938.28     615 8284.39     615
 8284.39  613.72  8440.7  613.72  8440.7     610 9073.38     610 9244.58  609.48
 9665.12  604.57 9847.48  602.29 9862.37  602.0610048.45     60010651.36     600
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10777.04  571.7410877.04  571.7411077.04     60011515.11  602.6913004.53  608.76
13179.76  609.3213390.03  618.22 13442.6   627.7 13600.3  651.3913880.67  661.28
14020.85  663.9714055.89   663.314318.73  660.2114336.25  660.3614546.53  664.67
 14756.8     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510651.36     .1511077.04     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10651.3611077.04               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1303025.00   75486.10   493262.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1303025.00   75486.10   493262.40
  Q Total (cfs)           206224.30    Flow (cfs)              140067.70   10341.05   55815.58
  Top Width (ft)          14756.80    Top Width (ft)          10651.36     425.68    3679.76
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.14    Hydr. Depth (ft)          122.33     177.33     134.05
  Conv. Total (cfs)       466950400.0    Conv. (cfs)            317153000.0   23415070.0   126382300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10698.78     430.80    3749.91
  Min Ch El (ft)            571.74    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9151.84     581.89    3639.29
  C & E Loss (ft)             0.00    Cum SA (acres)             72.96       3.19      27.07


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1459.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.76  680.55  602.92  679.97  986.27  676.14 1004.87  676.03
 1282.14  677.88 1306.34   677.9 1972.53  667.43 2009.75  667.15 2169.78  669.55
 2210.72     670 2761.54     670 2813.65  669.73 3747.81  651.04 3818.52     650
 4438.19     650 4521.93  647.81 4536.82  646.32 4622.42     640 4734.07     640
 4823.39  638.83 5128.58  623.57 5225.34  619.78 5818.96  614.69 5928.75     614
 7692.87     614 7791.49  614.26 7838.02  614.26  7938.5     615 8284.63     615
 8284.63  613.71 8440.94  613.71 8440.94     610 9073.64     610 9244.84  609.48
  9665.4  604.57 9847.76  602.28 9862.65  602.0610048.74     60010651.66     600
10777.49  571.7410877.49  571.7411077.49     60011515.68   602.713005.54  608.76
13180.82  609.3313391.15  618.2713443.73  627.7513601.48  651.3913881.92  661.29
14022.14  663.97 14057.2   663.314320.12  660.2114337.64  660.3614547.98   664.7
14758.31     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510651.66     .1511077.49     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10651.6611077.49               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1303077.00   75512.27   493372.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1303077.00   75512.27   493372.70
  Q Total (cfs)           206224.30    Flow (cfs)              140060.30   10343.63   55820.36
  Top Width (ft)          14758.31    Top Width (ft)          10651.66     425.83    3680.82
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.14    Hydr. Depth (ft)          122.34     177.33     134.04
  Conv. Total (cfs)       466997400.0    Conv. (cfs)            317168300.0   23423280.0   126405900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10699.08     430.95    3750.96
  Min Ch El (ft)            571.74    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9136.88     581.02    3633.63
  C & E Loss (ft)             0.00    Cum SA (acres)             72.84       3.18      27.03


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1459.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.78  680.55  602.94  679.97  986.29  676.14  1004.9  676.03
 1282.18  677.88 1306.37   677.9 1972.59  667.43  2009.8  667.15 2169.84  669.55
 2210.78     670 2761.62     670 2813.73  669.73 3747.91  651.04 3818.63     650
 4438.32     650 4522.06  647.79 4536.95  646.31 4622.55     640 4734.21     640
 4823.53  638.82 5128.72  623.56 5225.49  619.78 5819.13  614.69 5928.92     614
 7693.08     614 7791.71  614.26 7838.24  614.26 7938.73     615 8284.86     615
 8284.86   613.7 8441.18   613.7 8441.18     610  9073.9     610  9245.1  609.47
 9665.67  604.57 9848.04  602.28 9862.93  602.0610049.02     60010651.96     600
10777.95  571.7410877.95  571.7411077.95     60011516.26   602.713006.55  608.77
13181.87  609.3313392.27  618.3113444.86  627.7913602.66   651.413883.18   661.3
14023.44  663.9614058.51  663.29 14321.5  660.2114339.03  660.3614549.43  664.73
14759.82     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510651.96     .1511077.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10651.9611077.95               .5      .5      .5             .1       .3
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```
CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1303124.00   75540.14   493487.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1303124.00   75540.14   493487.30
  Q Total (cfs)           206224.30    Flow (cfs)              140051.90   10346.45   55825.95
  Top Width (ft)          14759.82    Top Width (ft)          10651.96     425.99    3681.87
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.11       0.14       0.11
  Max Chl Dpth (ft)         188.14    Hydr. Depth (ft)          122.34     177.33     134.03
  Conv. Total (cfs)       467044700.0    Conv. (cfs)            317181300.0   23432030.0   126431400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10699.38     431.11    3752.01
  Min Ch El (ft)            571.74    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9121.92     580.15    3627.96
  C & E Loss (ft)             0.00    Cum SA (acres)             72.72       3.18      26.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1458.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.79  680.55  602.96  679.97  986.32  676.14 1004.93  676.03
 1282.22  677.88 1306.41   677.9 1972.64  667.43 2009.86  667.15 2169.91  669.55
 2210.85     670  2761.7     670 2813.81  669.72 3748.02  651.04 3818.74     650
 4438.44     650 4522.19  647.78 4537.08  646.29 4622.68     640 4734.34     640
 4823.67  638.82 5128.87  623.56 5225.64  619.78 5819.29  614.69 5929.09     614
  7693.3     614 7791.94  614.26 7838.46  614.26 7938.95     615  8285.1     615
  8285.1  613.69 8441.42  613.69 8441.42     610 9074.15     610 9245.36  609.47
 9665.95  604.56 9848.32  602.28 9863.21  602.0510049.31     60010652.27     600
 10778.4  571.74 10878.4  571.74 11078.4     60011516.84  602.7113007.55  608.77
13182.93  609.3313393.38  618.36   13446  627.8413603.84  651.4113884.44  661.31
14024.74  663.9514059.82  663.2814322.88  660.2114340.42  660.3714550.88  664.76
14761.33     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510652.27     .15 11078.4     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10652.27 11078.4               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1303174.00   75564.61   493598.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1303174.00   75564.61   493598.60
  Q Total (cfs)           206224.30    Flow (cfs)              140044.40   10348.82   55831.06
  Top Width (ft)          14761.33    Top Width (ft)          10652.27     426.13    3682.93
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.11       0.14       0.11
  Max Chl Dpth (ft)         188.14    Hydr. Depth (ft)          122.34     177.33     134.02
  Conv. Total (cfs)       467090600.0    Conv. (cfs)            317195600.0   23439710.0   126455300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10699.69     431.24    3753.06
  Min Ch El (ft)            571.74    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9106.96     579.29    3622.30
  C & E Loss (ft)             0.00    Cum SA (acres)             72.60       3.17      26.94


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1458.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.81  680.55  602.98  679.97  986.35  676.14 1004.96  676.03
 1282.25  677.88 1306.45   677.9  1972.7  667.43 2009.92  667.15 2169.97  669.55
 2210.91     670 2761.78     670 2813.89  669.72 3748.13  651.04 3818.85     650
 4438.57     650 4522.32  647.77 4537.21  646.28 4622.81     640 4734.47     640
  4823.8  638.81 5129.01  623.55 5225.79  619.78 5819.46  614.69 5929.26     614
 7693.52     614 7792.16  614.26 7838.68  614.26 7939.18     615 8285.33     615
 8285.33  613.69 8441.66  613.69 8441.66     610 9074.41     610 9245.62  609.47
 9666.22  604.56  9848.6  602.27 9863.49  602.0510049.59     60010652.57     600
10778.85  571.7410878.85  571.7411078.85     60011517.42  602.7113008.56  608.77
13183.99  609.33 13394.5  618.4113447.13  627.8913605.01  651.42 13885.7  661.31
14026.04  663.9514061.13  663.2814324.27   660.214341.81  660.3714552.33  664.78
14762.84     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510652.57     .1511078.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10652.5711078.85               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1303217.00   75590.44   493723.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1303217.00   75590.44   493723.90
  Q Total (cfs)           206224.30    Flow (cfs)              140034.70   10351.30   55838.33
  Top Width (ft)          14762.84    Top Width (ft)          10652.57     426.28    3683.99
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.11       0.14       0.11
  Max Chl Dpth (ft)         188.14    Hydr. Depth (ft)          122.34     177.33     134.02
  Conv. Total (cfs)       467140100.0    Conv. (cfs)            317207100.0   23447810.0   126485200.0
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```
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10699.99     431.39    3754.11
  Min Ch El (ft)           571.74    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     9092.00     578.42    3616.63
  C & E Loss (ft)            0.00    Cum SA (acres)             72.47       3.17      26.90


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1457.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.83  680.54  602.99  679.97  986.38  676.14 1004.99  676.03
 1282.29  677.88 1306.48   677.9 1972.75  667.43 2009.98  667.15 2170.03  669.55
 2210.97     670 2761.86     670 2813.97  669.72 3748.23  651.04 3818.95     650
  4438.7     650 4522.44  647.76 4537.33  646.27 4622.94     640 4734.61     640
 4823.94   638.8 5129.16  623.54 5225.94  619.78 5819.62  614.69 5929.43     614
 7693.74     614 7792.38  614.26  7838.9  614.26  7939.4     615 8285.57     615
 8285.57  613.68  8441.9  613.68  8441.9     610 9074.67     610 9245.89  609.46
 9666.49  604.56 9848.88  602.27 9863.77  602.0410049.88     60010652.87     600
 10779.3  571.74 10879.3  571.74 11079.3     600   11518  602.7213009.57  608.77
13185.04  609.3313395.62  618.4613448.26  627.9313606.19  651.4313886.96  661.32
14027.34  663.9414062.44  663.2714325.65   660.2 14343.2  660.3714553.78  664.81
14764.35     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510652.87     .15 11079.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10652.87 11079.3               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1303267.00   75616.61   493837.40
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1303267.00   75616.61   493837.40
  Q Total (cfs)          206224.30    Flow (cfs)              140026.80   10353.88   55843.63
  Top Width (ft)         14764.35    Top Width (ft)           10652.87     426.43    3685.05
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        188.14    Hydr. Depth (ft)           122.34     177.32     134.01
  Conv. Total (cfs)      467187500.0    Conv. (cfs)            317221400.0   23456020.0   126510100.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10700.28     431.54    3755.16
  Min Ch El (ft)           571.74    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     9077.04     577.55    3610.96
  C & E Loss (ft)            0.00    Cum SA (acres)             72.35       3.16      26.86


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1457.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.84  680.54  603.01  679.97   986.4  676.14 1005.02  676.03
 1282.33  677.88 1306.52   677.9 1972.81  667.43 2010.03  667.15 2170.09  669.55
 2211.04     670 2761.93     670 2814.05  669.72 3748.34  651.03 3819.06     650
 4438.82     650 4522.57  647.74 4537.46  646.25 4623.07     640 4734.74     640
 4824.08   638.8 5129.31  623.53 5226.08  619.78 5819.79  614.69  5929.6     614
 7693.96     614  7792.6  614.27 7839.13  614.27 7939.63     615  8285.8     615
  8285.8  613.67 8442.14  613.67 8442.14     610 9074.92     610 9246.15  609.46
 9666.77  604.55 9849.16  602.26 9864.05  602.0410050.16     60010653.17     600
10779.76  571.7310879.76  571.7311079.76     60011518.58  602.7213010.57  608.78
 13186.1  609.3313396.74  618.51 13449.4  627.9813607.37  651.4413888.22  661.33
14028.64  663.9414063.75  663.2614327.04   660.214344.59  660.3714555.23  664.84
14765.86     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510653.17     .1511079.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10653.1711079.76               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1303317.00   75647.11   493948.80
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1303317.00   75647.11   493948.80
  Q Total (cfs)          206224.30    Flow (cfs)              140018.60   10357.20   55848.51
  Top Width (ft)         14765.86    Top Width (ft)           10653.17     426.59    3686.10
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        188.15    Hydr. Depth (ft)           122.34     177.33     134.00
  Conv. Total (cfs)      467236000.0    Conv. (cfs)            317235800.0   23466000.0   126534200.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10700.58     431.70    3756.20
  Min Ch El (ft)           571.73    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     9062.08     576.68    3605.30
  C & E Loss (ft)            0.00    Cum SA (acres)             72.23       3.16      26.82


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 1456.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  591.86  680.54  603.03  679.97  986.43  676.14 1005.04  676.03
  1282.36  677.88 1306.56   677.9 1972.87  667.43 2010.09  667.15 2170.15  669.55
   2211.1     670 2762.01     670 2814.13  669.72 3748.44  651.03 3819.17     650
  4438.95     650  4522.7  647.73 4537.59  646.24 4623.21     640 4734.88     640
  4824.21  638.79 5129.45  623.53 5226.23  619.78 5819.95  614.69 5929.76     614
  7694.18     614 7792.82  614.27 7839.35  614.27 7939.85     615 8286.04     615
  8286.04  613.66 8442.38  613.66 8442.38     610 9075.18     610 9246.41  609.46
  9667.04  604.55 9849.44  602.26 9864.33  602.0410050.45     60010653.47     600
 10780.21  571.7310880.21  571.7311080.21     60011519.16  602.7213011.58  608.78
 13187.16  609.3313397.86  618.5613450.53  628.0213608.55  651.4413889.48  661.34
 14029.94  663.9314065.05  663.2614328.42   660.214345.98  660.3714556.68  664.87
 14767.37     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1510653.47     .1511080.21     .15

Bank Sta: Left   Right     Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10653.4711080.21                .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1303358.00   75673.28   494072.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1303358.00   75673.28   494072.70
  Q Total (cfs)           206224.30    Flow (cfs)              140008.90   10359.76   55855.67
  Top Width (ft)          14767.37    Top Width (ft)          10653.47     426.74    3687.16
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.15    Hydr. Depth (ft)          122.34     177.33     134.00
  Conv. Total (cfs)       467284300.0    Conv. (cfs)            317246600.0   23474210.0   126563600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10700.88     431.84    3757.25
  Min Ch El (ft)            571.73    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9047.12     575.82    3599.63
  C & E Loss (ft)             0.00    Cum SA (acres)             72.11       3.15      26.77


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1456.*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  591.88  680.54  603.04  679.97  986.46  676.14 1005.07  676.03
   1282.4  677.88  1306.6   677.9 1972.92  667.43 2010.15  667.15 2170.21  669.55
  2211.16     670 2762.09     670 2814.21  669.72 3748.55  651.03 3819.28     650
  4439.07     650 4522.83  647.72 4537.72  646.23 4623.34     640 4735.01     640
  4824.35  638.78  5129.6  623.52 5226.38  619.77 5820.12  614.68 5929.93     614
  7694.39     614 7793.04  614.27 7839.57  614.27 7940.08     615 8286.27     615
  8286.27  613.66 8442.62  613.66 8442.62     610 9075.44     610 9246.67  609.46
  9667.32  604.55 9849.72  602.25 9864.61  602.0310050.73     60010653.78     600
 10780.67  571.7310880.67  571.7311080.67     60011519.74  602.7313012.59  608.78
 13188.22  609.3413398.97   618.613451.66  628.0713609.73  651.4513890.74  661.34
 14031.24  663.9214066.36  663.2514329.81   660.214347.37  660.3814558.13  664.89
 14768.88     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1510653.78     .1511080.67     .15

Bank Sta: Left   Right     Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10653.7811080.67                .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1303410.00   75699.28   494185.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1303410.00   75699.28   494185.80
  Q Total (cfs)           206224.30    Flow (cfs)              140001.10   10362.29   55860.93
  Top Width (ft)          14768.88    Top Width (ft)          10653.78     426.89    3688.21
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.15    Hydr. Depth (ft)          122.34     177.33     133.99
  Conv. Total (cfs)       467332300.0    Conv. (cfs)            317261500.0   23482370.0   126588500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10701.19     431.99    3758.29
  Min Ch El (ft)            571.73    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9032.16     574.95    3593.95
  C & E Loss (ft)             0.00    Cum SA (acres)             71.99       3.15      26.73


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1455.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  591.89  680.54  603.06  679.97  986.49  676.14  1005.1  676.03
  1282.44  677.88 1306.63   677.9 1972.98  667.42  2010.2  667.15 2170.28  669.55
  2211.22     670 2762.17     670 2814.28  669.71 3748.66  651.03 3819.39     650
   4439.2     650 4522.96   647.7 4537.85  646.22 4623.47     640 4735.15     640
  4824.49  638.78 5129.74  623.51 5226.53  619.77 5820.28  614.68  5930.1     614
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 7694.61     614 7793.26  614.27 7839.79  614.27  7940.3     615 8286.51     615
 8286.51  613.65 8442.85  613.65 8442.85     610  9075.7     610 9246.94  609.45
 9667.59  604.54    9850  602.25 9864.89  602.0310051.02     60010654.08     600
10781.12  571.7310881.12  571.7311081.12     60011520.32  602.7313013.59  608.78
13189.28  609.3413400.09  618.6513452.79  628.1113610.91  651.4613891.99  661.35
14032.54  663.9214067.67  663.2414331.19   660.214348.76  660.3814559.58  664.92
14770.39     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510654.08     .1511081.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10654.0811081.12               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1303466.00   75725.45   494308.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1303466.00   75725.45   494308.00
  Q Total (cfs)           206224.30    Flow (cfs)              139992.50   10364.73   55867.11
  Top Width (ft)          14770.39    Top Width (ft)          10654.08     427.04    3689.27
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.15    Hydr. Depth (ft)          122.34     177.33     133.99
  Conv. Total (cfs)       467386000.0    Conv. (cfs)             317278400.0   23490580.0   126617000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10701.49     432.14    3759.34
  Min Ch El (ft)            571.73    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9017.20     574.08    3588.28
  C & E Loss (ft)             0.00    Cum SA (acres)             71.86       3.14      26.69


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1455.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.91  680.54  603.08  679.97  986.52  676.13 1005.13  676.03
 1282.47  677.88 1306.67   677.9 1973.03  667.42 2010.26  667.15 2170.34  669.56
 2211.29     670 2762.25     670 2814.36  669.71 3748.76  651.02 3819.49     650
 4439.33     650 4523.09  647.69 4537.98   646.2  4623.6     640 4735.28     640
 4824.62  638.77 5129.89  623.51 5226.68  619.77 5820.45  614.68 5930.27     614
 7694.83     614 7793.48  614.27 7840.02  614.27 7940.53     615 8286.74     615
 8286.74  613.64 8443.09  613.64 8443.09     610 9075.95     610  9247.2  609.45
 9667.86  604.54 9850.28  602.25 9865.17  602.02 10051.3     60010654.38     600
10781.57  571.7310881.57  571.7311081.57     600 11520.9  602.74 13014.6  608.79
13190.33  609.3413401.21   618.713453.93  628.1613612.08  651.4713893.25  661.36
14033.84  663.9114068.98  663.2414332.58   660.214350.15  660.3814561.03  664.95
 14771.9     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510654.38     .1511081.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10654.3811081.57               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1303515.00   75751.63   494410.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1303515.00   75751.63   494410.50
  Q Total (cfs)           206224.30    Flow (cfs)              139985.90   10367.41   55870.95
  Top Width (ft)          14771.90    Top Width (ft)          10654.38     427.19    3690.33
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.15    Hydr. Depth (ft)          122.35     177.33     133.97
  Conv. Total (cfs)       467428200.0    Conv. (cfs)             317292300.0   23498790.0   126637200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10701.79     432.28    3760.39
  Min Ch El (ft)            571.73    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9002.24     573.21    3582.61
  C & E Loss (ft)             0.00    Cum SA (acres)             71.74       3.14      26.65


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1454.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.93  680.54   603.1  679.97  986.54  676.13 1005.16  676.03
 1282.51  677.88 1306.71  677.89 1973.09  667.42 2010.32  667.15  2170.4  669.56
 2211.35     670 2762.33     670 2814.44  669.71 3748.87  651.02  3819.6     650
 4439.45     650 4523.21  647.68 4538.11  646.19 4623.73     640 4735.41     640
 4824.76  638.76 5130.03   623.5 5226.83  619.77 5820.61  614.68 5930.44     614
 7695.05     614  7793.7  614.27 7840.24  614.27 7940.75     615 8286.98     615
 8286.98  613.63 8443.33  613.63 8443.33     610 9076.21     610 9247.46  609.45
 9668.14  604.54 9850.56  602.24 9865.45  602.0210051.59     60010654.68     600
10782.02  571.7310882.02  571.7311082.02     60011521.48  602.7413015.61  608.79
13191.39  609.3413402.33  618.7513455.06   628.213613.26  651.4813894.51  661.37
14035.14  663.9114070.29  663.2314333.96   660.214351.54  660.3814562.48  664.98
14773.41     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510654.68     .1511082.02     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10654.6811082.02               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1303562.00   75777.63   494532.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1303562.00   75777.63   494532.80
  Q Total (cfs)           206224.30    Flow (cfs)              139976.80   10369.90   55877.58
  Top Width (ft)          14773.41    Top Width (ft)          10654.68     427.34    3691.39
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.15    Hydr. Depth (ft)          122.35     177.32     133.97
  Conv. Total (cfs)       467478300.0    Conv. (cfs)            317305600.0   23506940.0   126665800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10702.09     432.43    3761.44
  Min Ch El (ft)            571.73    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8987.28     572.34    3576.93
  C & E Loss (ft)             0.00    Cum SA (acres)             71.62       3.13      26.60


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1454.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.94  680.54  603.11  679.97  986.57  676.13 1005.19  676.03
 1282.54  677.88 1306.74  677.89 1973.15  667.42 2010.37  667.16 2170.46  669.56
 2211.41     670  2762.4     670 2814.52  669.71 3748.98  651.02 3819.71     650
 4439.58     650 4523.34  647.67 4538.23  646.18 4623.86     640 4735.55     640
  4824.9  638.76 5130.18  623.49 5226.97  619.77 5820.78  614.68  5930.6     614
 7695.27     614 7793.92  614.27 7840.46  614.27 7940.98     615 8287.21     615
 8287.21  613.63 8443.57  613.63 8443.57     610 9076.47     610 9247.72  609.44
 9668.41  604.54 9850.83  602.24 9865.73  602.0110051.87     60010654.99     600
10782.48  571.7310882.48  571.7311082.48     60011522.05  602.7513016.62  608.79
13192.45  609.3413403.44   618.813456.19  628.2513614.44  651.4813895.77  661.37
14036.43   663.9 14071.6  663.2214335.35   660.214352.93  660.3814563.93     665
14774.92     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510654.99     .1511082.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10654.9911082.48               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1303607.00   75803.80   494649.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1303607.00   75803.80   494649.70
  Q Total (cfs)           206224.30    Flow (cfs)              139968.10   10372.49   55883.73
  Top Width (ft)          14774.92    Top Width (ft)          10654.99     427.49    3692.44
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.15    Hydr. Depth (ft)          122.35     177.32     133.96
  Conv. Total (cfs)       467525000.0    Conv. (cfs)            317317500.0   23515150.0   126692300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10702.40     432.58    3762.48
  Min Ch El (ft)            571.73    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8972.31     571.47    3571.25
  C & E Loss (ft)             0.00    Cum SA (acres)             71.50       3.13      26.56


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1453.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.96  680.54  603.13  679.97   986.6  676.13 1005.22  676.03
 1282.58  677.88 1306.78  677.89  1973.2  667.42 2010.43  667.16 2170.52  669.56
 2211.47     670 2762.48     670  2814.6  669.71 3749.08  651.02 3819.82     650
  4439.7     650 4523.47  647.65 4538.36  646.16 4623.99     640 4735.68     640
 4825.04  638.75 5130.32  623.48 5227.12  619.77 5820.94  614.68 5930.77     614
 7695.49     614 7794.15  614.28 7840.68  614.28  7941.2     615 8287.45     615
 8287.45  613.62 8443.81  613.62 8443.81     610 9076.73     610 9247.99  609.44
 9668.69  604.53 9851.11  602.23 9866.01  602.0110052.16     60010655.29     600
10782.93  571.7210882.93  571.7211082.93     60011522.63  602.7513017.62  608.79
 13193.5  609.3413404.56  618.8513457.33  628.2913615.62  651.4913897.03  661.38
14037.73  663.8914072.91  663.2214336.73   660.214354.32  660.3914565.38  665.03
14776.43     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510655.29     .1511082.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10655.2911082.93               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1303653.00   75832.44   494770.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1303653.00   75832.44   494770.30
  Q Total (cfs)           206224.30    Flow (cfs)              139958.80   10375.51   55890.00
  Top Width (ft)          14776.43    Top Width (ft)          10655.29     427.64    3693.50
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  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.16    Hydr. Depth (ft)          122.35     177.33     133.96
  Conv. Total (cfs)       467575300.0    Conv. (cfs)            317330600.0   23524550.0   126720200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10702.70     432.72    3763.54
  Min Ch El (ft)            571.72    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8957.35     570.60    3565.57
  C & E Loss (ft)             0.00    Cum SA (acres)             71.37       3.12      26.52


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1453.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.98  680.53  603.15  679.97  986.63  676.13 1005.24  676.03
 1282.62  677.88 1306.82  677.89 1973.26  667.42 2010.49  667.16 2170.58  669.56
 2211.54     670 2762.56     670 2814.68  669.71 3749.19  651.02 3819.93     650
 4439.83     650  4523.6  647.64 4538.49  646.15 4624.12     640 4735.82     640
 4825.17  638.74 5130.47  623.48 5227.27  619.77 5821.11  614.68 5930.94     614
  7695.7     614 7794.37  614.28 7840.91  614.28 7941.43     615 8287.68     615
 8287.68  613.61 8444.05  613.61 8444.05     610 9076.98     610 9248.25  609.44
 9668.96  604.53 9851.39  602.23 9866.29  602.0110052.44     60010655.59     600
10783.38  571.7210883.38  571.7211083.38     60011523.21  602.7613018.63   608.8
13194.56  609.3413405.68  618.8913458.46  628.34 13616.8   651.513898.29  661.39
14039.03  663.8914074.22  663.2114338.12   660.214355.71  660.3914566.83  665.06
14777.95     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510655.59     .1511083.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10655.5911083.38               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1303698.00   75858.61   494875.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1303698.00   75858.61   494875.40
  Q Total (cfs)           206224.30    Flow (cfs)              139951.70   10378.22   55894.35
  Top Width (ft)          14777.95    Top Width (ft)          10655.59     427.79    3694.57
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.16    Hydr. Depth (ft)          122.35     177.33     133.95
  Conv. Total (cfs)       467616600.0    Conv. (cfs)            317342600.0   23532760.0   126741300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10703.00     432.87    3764.60
  Min Ch El (ft)            571.72    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8942.39     569.73    3559.89
  C & E Loss (ft)             0.00    Cum SA (acres)             71.25       3.12      26.48


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1452.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.99  680.53  603.16  679.97  986.66  676.13 1005.27  676.04
 1282.65  677.88 1306.85  677.89 1973.31  667.42 2010.55  667.16 2170.64  669.56
  2211.6     670 2762.64     670 2814.76   669.7  3749.3  651.01 3820.04     650
 4439.95     650 4523.73  647.63 4538.62  646.14 4624.25     640 4735.95     640
 4825.31  638.73 5130.61  623.47 5227.42  619.77 5821.27  614.67 5931.11     614
 7695.92     614 7794.59  614.28 7841.13  614.28 7941.65     615 8287.92     615
 8287.92   613.6 8444.29   613.6 8444.29     610 9077.24     610 9248.51  609.43
 9669.23  604.53 9851.67  602.22 9866.57     60210052.73     60010655.89     600
10783.84  571.7210883.84  571.7211083.84     60011523.79  602.7613019.64   608.8
13195.62  609.34 13406.8  618.9413459.59  628.3813617.98  651.5113899.55   661.4
14040.33  663.8814075.53   663.2 14339.5   660.2 14357.1  660.3914568.28  665.09
14779.46     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510655.89     .1511083.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10655.8911083.84               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1303758.00   75886.48   494996.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1303758.00   75886.48   494996.80
  Q Total (cfs)           206224.30    Flow (cfs)              139943.20   10380.84   55900.25
  Top Width (ft)          14779.46    Top Width (ft)          10655.89     427.95    3695.62
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.16    Hydr. Depth (ft)          122.35     177.33     133.94
  Conv. Total (cfs)       467672200.0    Conv. (cfs)            317361000.0   23541500.0   126769700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10703.30     433.03    3765.64
  Min Ch El (ft)            571.72    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8927.42     568.86    3554.21
  C & E Loss (ft)             0.00    Cum SA (acres)             71.13       3.11      26.43


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1452.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.01  680.53  603.18  679.97  986.68  676.13  1005.3  676.04
 1282.69  677.88 1306.89  677.89 1973.37  667.42  2010.6  667.16 2170.71  669.56
 2211.66     670 2762.72     670 2814.84   669.7  3749.4  651.01 3820.14     650
 4440.08     650 4523.86  647.61 4538.75  646.13 4624.39     640 4736.09     640
 4825.45  638.73 5130.76  623.46 5227.57  619.76 5821.44  614.67 5931.28     614
 7696.14     614 7794.81  614.28 7841.35  614.28 7941.88     615 8288.15     615
 8288.15   613.6 8444.53   613.6 8444.53     610  9077.5     610 9248.77  609.43
 9669.51  604.52 9851.95  602.22 9866.85     60210053.01     60010656.19     600
10784.29  571.7210884.29  571.7211084.29     60011524.37  602.7713020.64   608.8
13196.68  609.3513407.92  618.9913460.72  628.4313619.15  651.5213900.81   661.4
14041.63  663.8814076.84   663.214340.89   660.214358.49  660.3914569.73  665.11
14780.97     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510656.19     .1511084.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10656.1911084.29               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1303804.00   75912.48   495108.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1303804.00   75912.48   495108.80
  Q Total (cfs)           206224.30    Flow (cfs)             139935.40   10383.42   55905.50
  Top Width (ft)          14780.97    Top Width (ft)          10656.19     428.10    3696.68
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.16    Hydr. Depth (ft)          122.35     177.32     133.93
  Conv. Total (cfs)       467717600.0    Conv. (cfs)            317374000.0   23549650.0   126793900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10703.60     433.17    3766.69
  Min Ch El (ft)            571.72    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8912.46     567.99    3548.53
  C & E Loss (ft)             0.00    Cum SA (acres)             71.01       3.11      26.39


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1451.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.03  680.53   603.2  679.97  986.71  676.13 1005.33  676.04
 1282.73  677.88 1306.93  677.89 1973.43  667.42 2010.66  667.16 2170.77  669.56
 2211.73     670  2762.8     670 2814.92   669.7 3749.51  651.01 3820.25     650
 4440.21     650 4523.98   647.6 4538.88  646.11 4624.52     640 4736.22     640
 4825.58  638.72 5130.91  623.45 5227.71  619.76  5821.6  614.67 5931.45     614
 7696.36     614 7795.03  614.28 7841.57  614.28  7942.1     615 8288.39     615
 8288.39  613.59 8444.77  613.59 8444.77     610 9077.76     610 9249.03  609.43
 9669.78  604.52 9852.23  602.22 9867.12  601.99 10053.3     600 10656.5     600
10784.74  571.7210884.74  571.7211084.74     60011524.95  602.7713021.65   608.8
13197.73  609.3513409.03  619.0413461.86  628.4713620.33  651.5313902.06  661.41
14042.93  663.8714078.15  663.1914342.27   660.214359.88   660.414571.18  665.14
14782.48     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10656.5     .1511084.74     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10656.511084.74               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1303850.00   75936.95   495230.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1303850.00   75936.95   495230.70
  Q Total (cfs)           206224.30    Flow (cfs)             139926.40   10385.73   55912.21
  Top Width (ft)          14782.48    Top Width (ft)          10656.50     428.24    3697.74
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.16    Hydr. Depth (ft)          122.35     177.32     133.93
  Conv. Total (cfs)       467766200.0    Conv. (cfs)            317386600.0   23557330.0   126822300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10703.91     433.31    3767.74
  Min Ch El (ft)            571.72    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8897.49     567.11    3542.85
  C & E Loss (ft)             0.00    Cum SA (acres)             70.88       3.10      26.35


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1451.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.04  680.53  603.21  679.97  986.74  676.13 1005.36  676.04
 1282.76  677.89 1306.97  677.89 1973.48  667.42 2010.72  667.16 2170.83  669.56
```

```
 2211.79     670 2762.87     670    2815   669.7 3749.61  651.01 3820.36     650
 4440.33     650 4524.11  647.59 4539.01   646.1 4624.65     640 4736.35     640
 4825.72  638.71 5131.05  623.45 5227.86  619.76 5821.77  614.67 5931.61     614
 7696.58     614 7795.25  614.28 7841.79  614.28 7942.33     615 8288.62     615
 8288.62  613.58 8445.01  613.58 8445.01     610 9078.01     610  9249.3  609.42
 9670.06  604.52 9852.51  602.21 9867.41  601.9910053.58     600 10656.8     600
 10785.2  571.72 10885.2  571.72 11085.2     60011525.53  602.7813022.66  608.81
13198.79  609.3513410.15  619.0913462.99  628.5213621.51  651.5313903.32  661.42
14044.23  663.8614079.46  663.1814343.66   660.214361.27   660.414572.63  665.17
14783.99     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10656.8     .15 11085.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10656.8 11085.2               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1303894.00   75964.82   495335.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1303894.00   75964.82   495335.10
  Q Total (cfs)           206224.30    Flow (cfs)              139919.10   10388.65   55916.57
  Top Width (ft)          14783.99    Top Width (ft)          10656.80     428.40    3698.79
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.16    Hydr. Depth (ft)          122.35     177.32     133.92
  Conv. Total (cfs)       467808100.0    Conv. (cfs)            317398500.0   23566070.0   126843600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10704.20     433.47    3768.78
  Min Ch El (ft)            571.72    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8882.52     566.24    3537.16
  C & E Loss (ft)             0.00    Cum SA (acres)             70.76       3.10      26.31


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1450.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.06  680.53  603.23  679.97  986.77  676.13 1005.39  676.04
  1282.8  677.89    1307  677.89 1973.54  667.42 2010.77  667.16 2170.89  669.56
 2211.85     670 2762.95     670 2815.08   669.7 3749.72  651.01 3820.47     650
 4440.46     650 4524.24  647.58 4539.14  646.09 4624.78     640 4736.49     640
 4825.86  638.71  5131.2  623.44 5228.01  619.76 5821.93  614.67 5931.78     614
 7696.79     614 7795.47  614.29 7842.02  614.29 7942.56     615 8288.86     615
 8288.86  613.57 8445.25  613.57 8445.25     610 9078.27     610 9249.56  609.42
 9670.33  604.51 9852.79  602.21 9867.68  601.9810053.87     600 10657.1     600
10785.65  571.7110885.65  571.7111085.65     60011526.11  602.7813023.67  608.81
13199.85  609.3513411.27  619.1413464.12  628.5613622.69  651.5413904.58  661.43
14045.53  663.8614080.76  663.1814345.04   660.214362.66   660.414574.08   665.2
 14785.5     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10657.1     .1511085.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10657.111085.65               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1303938.00   75993.62   495455.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1303938.00   75993.62   495455.70
  Q Total (cfs)           206224.30    Flow (cfs)              139909.60   10391.72   55923.01
  Top Width (ft)          14785.50    Top Width (ft)          10657.10     428.55    3699.85
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.17    Hydr. Depth (ft)          122.35     177.33     133.91
  Conv. Total (cfs)       467857200.0    Conv. (cfs)            317410200.0   23575510.0   126871500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10704.50     433.62    3769.83
  Min Ch El (ft)            571.71    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8867.56     565.37    3531.48
  C & E Loss (ft)             0.00    Cum SA (acres)             70.64       3.09      26.26


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1450.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.08  680.53  603.25  679.97   986.8  676.13 1005.42  676.04
 1282.84  677.89 1307.04  677.89 1973.59  667.41 2010.83  667.16 2170.95  669.56
 2211.91     670 2763.03     670 2815.16   669.7 3749.83     651 3820.58     650
 4440.58     650 4524.37  647.56 4539.26  646.07 4624.91     640 4736.62     640
 4825.99   638.7 5131.34  623.43 5228.16  619.76  5822.1  614.67 5931.95     614
 7697.01     614 7795.69  614.29 7842.24  614.29 7942.78     615 8289.09     615
 8289.09  613.56 8445.49  613.56 8445.49     610 9078.53     610 9249.82  609.42
 9670.61  604.51 9853.07   602.2 9867.96  601.9810054.15     600 10657.4     600
 10786.1  571.71 10886.1  571.71 11086.1     60011526.69  602.7913024.67  608.81
13200.91  609.3513412.39  619.1813465.26  628.6113623.87  651.5513905.84  661.44
14046.83  663.8514082.07  663.1714346.42   660.214364.05   660.414575.53  665.22
14787.01     695

Manning's n Values        num=       3
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```
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10657.4     .15 11086.1     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10657.4 11086.1               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1303991.00   76019.45   495571.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1303991.00   76019.45   495571.70
  Q Total (cfs)           206224.30    Flow (cfs)              139901.70   10394.19   55928.43
  Top Width (ft)          14787.01    Top Width (ft)          10657.40     428.70    3700.91
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.17    Hydr. Depth (ft)          122.36     177.33     133.91
  Conv. Total (cfs)       467907000.0    Conv. (cfs)            317426100.0   23583610.0   126897300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10704.80     433.76    3770.89
  Min Ch El (ft)            571.71    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8852.59     564.50    3525.79
  C & E Loss (ft)             0.00    Cum SA (acres)             70.52       3.09      26.22


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1449.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.09  680.53  603.27  679.97  986.82  676.13 1005.44  676.04
 1282.87  677.89 1307.08  677.89 1973.65  667.41 2010.89  667.16 2171.01  669.57
 2211.98     670 2763.11     670 2815.24   669.7 3749.93     651 3820.69     650
 4440.71     650  4524.5  647.55 4539.39  646.06 4625.04     640 4736.76     640
 4826.13  638.69 5131.49  623.43 5228.31  619.76 5822.26  614.67 5932.12     614
 7697.23     614 7795.91  614.29 7842.46  614.29 7943.01     615 8289.33     615
 8289.33  613.56 8445.73  613.56 8445.73     610 9078.79     610 9250.08  609.42
 9670.88  604.51 9853.35   602.2 9868.24  601.9810054.44     600 10657.7     600
10786.56  571.7110886.56  571.7111086.56     60011527.27  602.7913025.68  608.81
13201.96  609.35 13413.5  619.2313466.39  628.6613625.04  651.56 13907.1  661.44
14048.13  663.8514083.38  663.1614347.81   660.214365.44   660.414576.98  665.25
14788.52     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10657.7     .1511086.56     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10657.711086.56               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1304030.00   76047.33   495692.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1304030.00   76047.33   495692.90
  Q Total (cfs)           206224.30    Flow (cfs)              139892.00   10397.00   55935.34
  Top Width (ft)          14788.52    Top Width (ft)          10657.70     428.86    3701.96
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.17    Hydr. Depth (ft)          122.36     177.32     133.90
  Conv. Total (cfs)       467954000.0    Conv. (cfs)            317435900.0   23592360.0   126925700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10705.10     433.92    3771.93
  Min Ch El (ft)            571.71    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8837.62     563.62    3520.10
  C & E Loss (ft)             0.00    Cum SA (acres)             70.40       3.08      26.18


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1449.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.11  680.53  603.28  679.97  986.85  676.13 1005.47  676.04
 1282.91  677.89 1307.11  677.89  1973.7  667.41 2010.94  667.16 2171.08  669.57
 2212.04     670 2763.19     670 2815.32  669.69 3750.04     651 3820.79     650
 4440.84     650 4524.62  647.54 4539.52  646.05 4625.17     640 4736.89     640
 4826.27  638.69 5131.63  623.42 5228.46  619.76 5822.43  614.66 5932.29     614
 7697.45     614 7796.13  614.29 7842.68  614.29 7943.23     615 8289.56     615
 8289.56  613.55 8445.97  613.55 8445.97     610 9079.04     610 9250.34  609.41
 9671.15   604.5 9853.63   602.2 9868.52  601.9710054.72     60010658.01     600
10787.01  571.7110887.01  571.7111087.01     60011527.84  602.7913026.69  608.82
13203.02  609.3513414.62  619.2813467.52   628.713626.22  651.5713908.36  661.45
14049.43  663.8414084.69  663.1614349.19   660.214366.83  660.4114578.43  665.28
14790.03     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510658.01     .1511087.01     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10658.0111087.01               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1304088.00   76071.80   495804.80
```

```
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1304088.00   76071.80   495804.80
  Q Total (cfs)           206224.30    Flow (cfs)              139884.90   10399.29   55940.09
  Top Width (ft)          14790.03    Top Width (ft)          10658.01     429.00    3703.02
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.17    Hydr. Depth (ft)          122.36     177.32     133.89
  Conv. Total (cfs)       468003200.0    Conv. (cfs)             317453300.0   23600030.0   126949800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10705.41     434.06    3772.98
  Min Ch El (ft)            571.71    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8822.65     562.75    3514.41
  C & E Loss (ft)             0.00    Cum SA (acres)             70.27       3.08      26.14


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1448.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.13  680.52   603.3  679.97  986.88  676.13  1005.5  676.04
 1282.94  677.89 1307.15  677.89 1973.76  667.41    2011  667.17 2171.14  669.57
  2212.1     670 2763.27     670  2815.4  669.69 3750.15     651  3820.9     650
 4440.96     650 4524.75  647.52 4539.65  646.04  4625.3     640 4737.03     640
  4826.4  638.68 5131.78  623.41  5228.6  619.75 5822.59  614.66 5932.45     614
 7697.67     614 7796.35  614.29 7842.91  614.29 7943.46     615 8289.79     615
 8289.79  613.54 8446.21  613.54 8446.21     610  9079.3     610 9250.61  609.41
 9671.43   604.5 9853.91  602.19  9868.8  601.9710055.01     60010658.31     600
10787.46  571.7110887.46  571.7111087.46     60011528.42   602.813027.69  608.82
13204.08  609.3613415.74  619.3313468.66  628.75 13627.4  651.5713909.62  661.46
14050.72  663.83   14086  663.1514350.58   660.214368.22  660.4114579.88  665.31
14791.54     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510658.31     .1511087.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10658.3111087.46               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1304138.00   76097.97   495917.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1304138.00   76097.97   495917.30
  Q Total (cfs)           206224.30    Flow (cfs)              139877.20   10401.86   55945.25
  Top Width (ft)          14791.54    Top Width (ft)          10658.31     429.15    3704.08
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.17    Hydr. Depth (ft)          122.36     177.32     133.88
  Conv. Total (cfs)       468050300.0    Conv. (cfs)             317467800.0   23608240.0   126974300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10705.71     434.20    3774.03
  Min Ch El (ft)            571.71    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8807.68     561.88    3508.72
  C & E Loss (ft)             0.00    Cum SA (acres)             70.15       3.07      26.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1448.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.15  680.52  603.32  679.97  986.91  676.13 1005.53  676.04
 1282.98  677.89 1307.19  677.89 1973.82  667.41 2011.06  667.17  2171.2  669.57
 2212.16     670 2763.34     670 2815.48  669.69 3750.25  650.99 3821.01     650
 4441.09     650 4524.88  647.51 4539.78  646.02 4625.43     640 4737.16     640
 4826.54  638.67 5131.92   623.4 5228.75  619.75 5822.76  614.66 5932.62     614
 7697.89     614 7796.58  614.29 7843.13  614.29 7943.68     615 8290.03     615
 8290.03  613.53 8446.45  613.53 8446.45     610 9079.56     610 9250.87  609.41
  9671.7   604.5 9854.19  602.19 9869.08  601.9610055.29     60010658.61     600
10787.92  571.7110887.92  571.7111087.92     600   11529   602.8 13028.7  608.82
13205.14  609.3613416.86  619.3813469.79  628.7913628.58  651.5813910.88  661.47
14052.02  663.8314087.31  663.1414351.96   660.214369.61  660.4114581.33  665.33
14793.05     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510658.61     .1511087.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10658.6111087.92               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1304188.00   76125.67   496039.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1304188.00   76125.67   496039.80
  Q Total (cfs)           206224.30    Flow (cfs)              139868.00   10404.53   55951.79
  Top Width (ft)          14793.05    Top Width (ft)          10658.61     429.31    3705.13
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.17    Hydr. Depth (ft)          122.36     177.32     133.88
  Conv. Total (cfs)       468102100.0    Conv. (cfs)             317482000.0   23616920.0   127003200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10706.01     434.36    3775.07
  Min Ch El (ft)            571.71    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8792.71     561.00    3503.02
  C & E Loss (ft)             0.00    Cum SA (acres)             70.03       3.07      26.05
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1447.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.16  680.52  603.33  679.97  986.94  676.13 1005.56  676.04
 1283.02  677.89 1307.23  677.89 1973.87  667.41 2011.12  667.17 2171.26  669.57
 2212.23     670 2763.42     670 2815.56  669.69 3750.36  650.99 3821.12     650
 4441.21     650 4525.01   647.5 4539.91  646.01 4625.57     640 4737.29     640
 4826.68  638.67 5132.07   623.4  5228.9  619.75 5822.92  614.66 5932.79     614
  7698.1     614  7796.8  614.29 7843.35  614.29 7943.91     615 8290.26     615
 8290.26  613.53 8446.69  613.53 8446.69     610 9079.81     610 9251.13   609.4
 9671.98  604.49 9854.47  602.18 9869.36  601.9610055.58     60010658.91     600
10788.37  571.7110888.37  571.7111088.37     60011529.58  602.8113029.71  608.82
13206.19  609.3613417.98  619.4313470.92  628.8413629.76  651.5913912.13  661.47
14053.32  663.8214088.62  663.1414353.35   660.2   14371  660.4114582.78  665.36
14794.56     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510658.91     .1511088.37     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10658.9111088.37               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1304233.00   76151.84   496152.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1304233.00   76151.84   496152.40
  Q Total (cfs)           206224.30    Flow (cfs)              139860.00   10407.15   55957.20
  Top Width (ft)          14794.56    Top Width (ft)          10658.91     429.46    3706.19
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.17    Hydr. Depth (ft)          122.36     177.32     133.87
  Conv. Total (cfs)       468147100.0    Conv. (cfs)            317494300.0   23625130.0   127027700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10706.31     434.51    3776.12
  Min Ch El (ft)            571.71    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8777.74     560.13    3497.33
  C & E Loss (ft)             0.00    Cum SA (acres)             69.91       3.06      26.01


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1447.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.18  680.52  603.35  679.97  986.96  676.13 1005.59  676.04
 1283.05  677.89 1307.26  677.89 1973.93  667.41 2011.17  667.17 2171.32  669.57
 2212.29     670  2763.5     670 2815.64  669.69 3750.46  650.99 3821.23     650
 4441.34     650 4525.14  647.49 4540.04     646  4625.7     640 4737.43     640
 4826.81  638.66 5132.21  623.39 5229.05  619.75 5823.09  614.66 5932.96     614
 7698.32     614 7797.02   614.3 7843.57   614.3 7944.13     615  8290.5     615
  8290.5  613.52 8446.92  613.52 8446.92     610 9080.07     610 9251.39   609.4
 9672.25  604.49 9854.75  602.18 9869.64  601.9610055.86     60010659.21     600
10788.82   571.710888.82   571.711088.82     60011530.16  602.8113030.71  608.83
13207.25  609.3613419.09  619.4713472.05  628.8813630.94   651.613913.39  661.48
14054.62  663.8214089.93  663.1314354.73   660.214372.39  660.4114584.23  665.39
14796.07     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510659.21     .1511088.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10659.2111088.82               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1304275.00   76180.66   496267.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1304275.00   76180.66   496267.30
  Q Total (cfs)           206224.30    Flow (cfs)              139851.10   10410.29   55962.89
  Top Width (ft)          14796.07    Top Width (ft)          10659.21     429.61    3707.25
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.18    Hydr. Depth (ft)          122.36     177.33     133.86
  Conv. Total (cfs)       468193000.0    Conv. (cfs)            317505300.0   23634580.0   127053100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10706.61     434.66    3777.17
  Min Ch El (ft)            571.70    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8762.77     559.26    3491.63
  C & E Loss (ft)             0.00    Cum SA (acres)             69.78       3.06      25.97


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1446.5*

INPUT
Description:
Station Elevation Data    num=      56
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   592.2  680.52  603.37  679.97  986.99  676.13 1005.61  676.04
 1283.09  677.89  1307.3  677.89 1973.98  667.41 2011.23  667.17 2171.38  669.57
 2212.35     670 2763.58     670 2815.72  669.69 3750.57  650.99 3821.34     650
 4441.47     650 4525.27  647.47 4540.16  645.98 4625.83     640 4737.56     640
 4826.95  638.65 5132.36  623.38  5229.2  619.75 5823.25  614.66 5933.13     614
 7698.54     614 7797.24   614.3  7843.8   614.3 7944.36     615 8290.74     615
 8290.74  613.51 8447.16  613.51 8447.16     610 9080.33     610 9251.66   609.4
 9672.52  604.49 9855.02  602.17 9869.92  601.9510056.15     60010659.52     600
10789.28   571.710889.28   571.711089.28     60011530.74  602.8213031.72  608.83
13208.31  609.3613420.21  619.5213473.19  628.9313632.12  651.6113914.65  661.49
14055.92  663.8114091.24  663.1214356.12   660.214373.78  660.4214585.68  665.42
14797.58     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510659.52     .1511089.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10659.5211089.28               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1304322.00   76206.84   496376.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1304322.00   76206.84   496376.80
  Q Total (cfs)           206224.30    Flow (cfs)              139843.50   10412.91   55967.84
  Top Width (ft)          14797.58    Top Width (ft)          10659.52     429.76    3708.30
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.18    Hydr. Depth (ft)          122.36     177.32     133.86
  Conv. Total (cfs)       468237800.0    Conv. (cfs)            317518500.0   23642780.0   127076500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10706.92     434.80    3778.22
  Min Ch El (ft)            571.70    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8747.80     558.38    3485.94
  C & E Loss (ft)             0.00    Cum SA (acres)             69.66       3.05      25.92


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1446.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.21  680.52  603.39  679.97  987.02  676.13 1005.64  676.04
 1283.13  677.89 1307.34  677.88 1974.04  667.41 2011.29  667.17 2171.44  669.57
 2212.42     670 2763.66     670  2815.8  669.68 3750.68  650.99 3821.44     650
 4441.59     650 4525.39  647.46 4540.29  645.97 4625.96     640  4737.7     640
 4827.09  638.65 5132.51  623.37 5229.35  619.75 5823.42  614.66  5933.3     614
 7698.76     614 7797.46   614.3 7844.02   614.3 7944.58     615 8290.97     615
 8290.97   613.5  8447.4   613.5  8447.4     610 9080.59     610 9251.92  609.39
  9672.8  604.48  9855.3  602.17  9870.2  601.9510056.43     60010659.82     600
10789.73   571.710889.73   571.711089.73     60011531.32  602.8213032.73  608.83
13209.37  609.3613421.33  619.5713474.32  628.9713633.29  651.6213915.91   661.5
14057.22   663.814092.55  663.12 14357.5  660.1914375.17  660.4214587.13  665.44
14799.09     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510659.82     .1511089.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10659.8211089.73               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1304378.00   76232.84   496501.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1304378.00   76232.84   496501.50
  Q Total (cfs)           206224.30    Flow (cfs)              139834.60   10415.29   55974.39
  Top Width (ft)          14799.09    Top Width (ft)          10659.82     429.91    3709.36
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.18    Hydr. Depth (ft)          122.36     177.32     133.85
  Conv. Total (cfs)       468292100.0    Conv. (cfs)            317535000.0   23650940.0   127106100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10707.22     434.95    3779.27
  Min Ch El (ft)            571.70    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8732.83     557.51    3480.24
  C & E Loss (ft)             0.00    Cum SA (acres)             69.54       3.05      25.88


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1445.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.23  680.52   603.4  679.97  987.05  676.13 1005.67  676.04
 1283.16  677.89 1307.37  677.88  1974.1  667.41 2011.34  667.17 2171.51  669.57
 2212.48     670 2763.74     670 2815.88  669.68 3750.78  650.98 3821.55     650
 4441.72     650 4525.52  647.45 4540.42  645.96 4626.09     640 4737.83     640
 4827.22  638.64 5132.65  623.37 5229.49  619.75 5823.58  614.66 5933.46     614
 7698.98     614 7797.68   614.3 7844.24   614.3 7944.81     615 8291.21     615
 8291.21   613.5 8447.64   613.5 8447.64     610 9080.84     610 9252.18  609.39
 9673.07  604.48 9855.58  602.17 9870.48  601.9410056.72     60010660.12     600
10790.18   571.710890.18   571.711090.18     600 11531.9  602.8313033.74  608.83
13210.42  609.3613422.45  619.6213475.45  629.0213634.47  651.6213917.17   661.5
14058.52   663.814093.86  663.1114358.89  660.1914376.56  660.4214588.58  665.47
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 14800.6     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510660.12     .1511090.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10660.1211090.18               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1304423.00   76258.84   496617.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1304423.00   76258.84   496617.00
  Q Total (cfs)           206224.30    Flow (cfs)              139826.30   10417.84   55980.16
  Top Width (ft)          14800.60    Top Width (ft)           10660.12     430.06    3710.42
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.18    Hydr. Depth (ft)           122.36     177.32     133.84
  Conv. Total (cfs)       468338700.0    Conv. (cfs)            317547800.0   23659090.0   127131800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         10707.51     435.10    3780.32
  Min Ch El (ft)            571.70    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8717.86     556.63    3474.54
  C & E Loss (ft)             0.00    Cum SA (acres)             69.42       3.05      25.84


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1445.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.25  680.52  603.42  679.97  987.08  676.13  1005.7  676.04
  1283.2  677.89 1307.41  677.88 1974.15  667.41  2011.4  667.17 2171.57  669.57
 2212.54     670 2763.81     670 2815.96  669.68 3750.89  650.98 3821.66     650
 4441.84     650 4525.65  647.43 4540.55  645.94 4626.22     640 4737.97     640
 4827.36  638.63  5132.8  623.36 5229.64  619.75 5823.75  614.65 5933.63     614
 7699.19     614  7797.9   614.3 7844.46   614.3 7945.03     615 8291.44     615
 8291.44  613.49 8447.88  613.49 8447.88     610  9081.1     610 9252.44  609.39
 9673.35  604.48 9855.86  602.16 9870.76  601.94   10057     60010660.42     600
10790.63   571.710890.63   571.711090.63     60011532.48  602.8313034.74  608.84
13211.48  609.3713423.57  619.6713476.59  629.0613635.65  651.6313918.43  661.51
14059.82  663.7914095.17   663.114360.27  660.1914377.95  660.4214590.03   665.5
14802.12     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510660.42     .1511090.63     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10660.4211090.63               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1304472.00   76285.02   496730.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1304472.00   76285.02   496730.40
  Q Total (cfs)           206224.30    Flow (cfs)              139818.40   10420.42   55985.43
  Top Width (ft)          14802.12    Top Width (ft)           10660.42     430.21    3711.49
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.18    Hydr. Depth (ft)           122.37     177.32     133.84
  Conv. Total (cfs)       468385200.0    Conv. (cfs)            317561500.0   23667300.0   127156400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         10707.81     435.24    3781.38
  Min Ch El (ft)            571.70    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8702.88     555.76    3468.84
  C & E Loss (ft)             0.00    Cum SA (acres)             69.29       3.04      25.80


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1444.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.26  680.52  603.44  679.97   987.1  676.13 1005.73  676.04
 1283.24  677.89 1307.45  677.88 1974.21  667.41 2011.46  667.17 2171.63  669.57
  2212.6     670 2763.89     670 2816.04  669.68    3751  650.98 3821.77     650
 4441.97     650 4525.78  647.42 4540.68  645.93 4626.35     640  4738.1     640
  4827.5  638.63 5132.94  623.35 5229.79  619.74 5823.91  614.65  5933.8     614
 7699.41     614 7798.12   614.3 7844.68   614.3 7945.26     615 8291.67     615
 8291.67  613.48 8448.12  613.48 8448.12     610 9081.36     610 9252.71  609.39
 9673.62  604.47 9856.14  602.16 9871.04  601.9310057.29     60010660.72     600
10791.09   571.710891.09   571.711091.09     60011533.06  602.8413035.75  608.84
13212.54  609.3713424.68  619.7213477.72  629.1113636.83  651.6413919.69  661.52
14061.12  663.7914096.48   663.114361.66  660.1914379.33  660.4314591.48  665.53
14803.62     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510660.72     .1511091.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10660.7211091.09               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
```

```
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1304521.00   76312.89   496836.40
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1304521.00   76312.89   496836.40
  Q Total (cfs)          206224.30    Flow (cfs)              139811.20   10423.28   55989.80
  Top Width (ft)         14803.62    Top Width (ft)          10660.72     430.37    3712.53
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        188.18    Hydr. Depth (ft)          122.37     177.32     133.83
  Conv. Total (cfs)      468429900.0    Conv. (cfs)            317575400.0   23676040.0   127178500.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10708.11     435.40    3782.41
  Min Ch El (ft)           571.70    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     8687.91     554.88    3463.14
  C & E Loss (ft)            0.00    Cum SA (acres)             69.17       3.04      25.75


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1444.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.28  680.51  603.45  679.97  987.13  676.13 1005.76  676.04
 1283.27  677.89 1307.48  677.88 1974.26   667.4 2011.51  667.17 2171.69  669.58
 2212.67     670 2763.97     670 2816.12  669.68  3751.1  650.98 3821.88     650
 4442.09     650 4525.91  647.41 4540.81  645.92 4626.48     640 4738.23     640
 4827.63  638.62 5133.09  623.35 5229.94  619.74 5824.08  614.65 5933.97     614
 7699.63     614 7798.34  614.31 7844.91  614.31 7945.48     615 8291.91     615
 8291.91  613.47 8448.36  613.47 8448.36     610 9081.62     610 9252.97  609.38
  9673.9  604.47 9856.42  602.15 9871.32  601.9310057.57     60010661.03     600
10791.54  571.6910891.54  571.6911091.54     60011533.64  602.8413036.76  608.84
13213.59  609.37 13425.8  619.7613478.85  629.1513638.01  651.6513920.95  661.53
14062.42  663.7814097.78  663.0914363.04  660.1914380.72  660.4314592.93  665.55
14805.14     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510661.03     .1511091.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10661.0311091.54               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1304572.00   76339.84   496963.30
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1304572.00   76339.84   496963.30
  Q Total (cfs)          206224.30    Flow (cfs)              139801.60   10425.98   55996.73
  Top Width (ft)         14805.14    Top Width (ft)          10661.03     430.51    3713.60
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        188.19    Hydr. Depth (ft)          122.37     177.32     133.82
  Conv. Total (cfs)      468483600.0    Conv. (cfs)            317589900.0   23684900.0   127208800.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10708.42     435.54    3783.47
  Min Ch El (ft)           571.69    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     8672.94     554.00    3457.43
  C & E Loss (ft)            0.00    Cum SA (acres)             69.05       3.03      25.71


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1443.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   592.3  680.51  603.47  679.97  987.16  676.13 1005.79  676.04
 1283.31  677.89 1307.52  677.88 1974.32   667.4 2011.57  667.17 2171.75  669.58
 2212.73     670 2764.05     670  2816.2  669.68 3751.21  650.98 3821.99     650
 4442.22     650 4526.04   647.4 4540.94  645.91 4626.61     640 4738.37     640
 4827.77  638.61 5133.23  623.34 5230.09  619.74 5824.24  614.65 5934.14     614
 7699.85     614 7798.56  614.31 7845.13  614.31 7945.71     615 8292.14     615
 8292.14  613.47  8448.6  613.47  8448.6     610 9081.87     610 9253.23  609.38
 9674.17  604.47  9856.7  602.15  9871.6  601.9310057.86     60010661.33     600
10791.99  571.6910891.99  571.6911091.99     60011534.21  602.8513037.76  608.84
13214.65  609.3713426.92  619.8113479.99   629.213639.18  651.6613922.21  661.53
14063.72  663.7714099.09  663.0814364.43  660.1914382.12  660.4314594.38  665.58
14806.65     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510661.33     .1511091.99     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10661.3311091.99               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1304613.00   76366.02   497077.50
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1304613.00   76366.02   497077.50
  Q Total (cfs)          206224.30    Flow (cfs)              139793.20   10428.61   56002.51
  Top Width (ft)         14806.65    Top Width (ft)          10661.33     430.66    3714.66
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        188.19    Hydr. Depth (ft)          122.37     177.32     133.82
  Conv. Total (cfs)      468527800.0    Conv. (cfs)            317600800.0   23693100.0   127234000.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10708.72     435.69    3784.53
  Min Ch El (ft)           571.69    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
```

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  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     8657.96     553.13    3451.73
  C & E Loss (ft)            0.00    Cum SA (acres)             68.93       3.03      25.67


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1443.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.31  680.51  603.49  679.97  987.19  676.13 1005.81  676.04
 1283.34  677.89 1307.56  677.88 1974.38   667.4 2011.63  667.17 2171.81  669.58
 2212.79     670 2764.13     670 2816.28  669.67 3751.31  650.97 3822.09     650
 4442.35     650 4526.16  647.38 4541.07  645.89 4626.75     640  4738.5     640
 4827.91   638.6 5133.38  623.33 5230.23  619.74 5824.41  614.65  5934.3     614
 7700.07     614 7798.79  614.31 7845.35  614.31 7945.93     615 8292.38     615
 8292.38  613.46 8448.84  613.46 8448.84     610 9082.13     610 9253.49  609.38
 9674.44  604.46 9856.98  602.15 9871.88  601.9210058.14     60010661.63     600
10792.45  571.6910892.45  571.6911092.45     60011534.79  602.8513038.77  608.85
13215.71  609.3713428.04  619.8613481.12  629.2413640.36  651.6613923.46  661.54
14065.01  663.77 14100.4  663.0714365.81  660.19 14383.5  660.4314595.83  665.61
14808.16     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510661.63     .1511092.45     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10661.6311092.45               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1304671.00   76393.89   497191.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1304671.00   76393.89   497191.70
  Q Total (cfs)           206224.30    Flow (cfs)              139785.50   10431.30   56007.47
  Top Width (ft)          14808.16    Top Width (ft)          10661.63     430.82    3715.71
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.19    Hydr. Depth (ft)          122.37     177.32     133.81
  Conv. Total (cfs)       468579800.0    Conv. (cfs)             317618600.0   23701840.0   127259400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10709.02     435.84    3785.57
  Min Ch El (ft)            571.69    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8642.99     552.25    3446.02
  C & E Loss (ft)             0.00    Cum SA (acres)             68.80       3.02      25.63


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1442.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.33  680.51  603.51  679.96  987.22  676.13 1005.84  676.04
 1283.38  677.89  1307.6  677.88 1974.43   667.4 2011.69  667.18 2171.88  669.58
 2212.85     670 2764.21     670 2816.36  669.67 3751.42  650.97  3822.2     650
 4442.47     650 4526.29  647.37 4541.19  645.88 4626.88     640 4738.64     640
 4828.05   638.6 5133.52  623.32 5230.38  619.74 5824.57  614.65 5934.47     614
 7700.29     614 7799.01  614.31 7845.57  614.31 7946.16     615 8292.62     615
 8292.62  613.45 8449.08  613.45 8449.08     610 9082.39     610 9253.75  609.37
 9674.72  604.46 9857.26  602.14 9872.16  601.9210058.43     60010661.93     600
 10792.9  571.69 10892.9  571.69 11092.9     60011535.37  602.8613039.78  608.85
13216.77  609.3713429.15  619.9113482.25  629.2913641.54  651.6713924.72  661.55
14066.31  663.7614101.71  663.07 14367.2  660.1914384.89  660.4314597.28  665.64
14809.67     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510661.93     .15 11092.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10661.93 11092.9               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1304717.00   76420.06   497301.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1304717.00   76420.06   497301.90
  Q Total (cfs)           206224.30    Flow (cfs)              139777.90   10433.92   56012.49
  Top Width (ft)          14809.67    Top Width (ft)          10661.93     430.97    3716.77
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.19    Hydr. Depth (ft)          122.37     177.32     133.80
  Conv. Total (cfs)       468624200.0    Conv. (cfs)             317631300.0   23710050.0   127282800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10709.32     435.99    3786.62
  Min Ch El (ft)            571.69    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8628.01     551.37    3440.31
  C & E Loss (ft)             0.00    Cum SA (acres)             68.68       3.02      25.58


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1442.*
```

```
INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.35  680.51  603.52  679.96  987.24  676.13 1005.87  676.04
 1283.42  677.89 1307.63  677.88 1974.49   667.4 2011.74  667.18 2171.94  669.58
 2212.92     670 2764.28     670 2816.44  669.67 3751.53  650.97 3822.31     650
  4442.6     650 4526.42  647.36 4541.32  645.87 4627.01     640 4738.77     640
 4828.18  638.59 5133.67  623.32 5230.53  619.74 5824.74  614.65 5934.64     614
  7700.5     614 7799.23  614.31  7845.8  614.31 7946.38     615 8292.85     615
 8292.85  613.44 8449.32  613.44 8449.32     610 9082.65     610 9254.02  609.37
 9674.99  604.46 9857.54  602.14 9872.44  601.9110058.71     60010662.24     600
10793.35  571.6910893.35  571.6911093.35     60011535.95  602.8613040.79  608.85
13217.83  609.3713430.27  619.9613483.38  629.3413642.72  651.6813925.98  661.56
14067.61  663.7614103.02  663.0614368.58  660.1914386.28  660.4414598.73  665.66
14811.18     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510662.24     .1511093.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10662.2411093.35               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1304761.00   76444.20   497423.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1304761.00   76444.20   497423.80
  Q Total (cfs)           206224.30    Flow (cfs)              139768.80   10436.19   56019.31
  Top Width (ft)          14811.18    Top Width (ft)          10662.24     431.11    3717.83
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.19    Hydr. Depth (ft)          122.37     177.32     133.79
  Conv. Total (cfs)       468671700.0    Conv. (cfs)            317642900.0   23717610.0   127311200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10709.63     436.12    3787.67
  Min Ch El (ft)            571.69    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8613.03     550.50    3434.60
  C & E Loss (ft)             0.00    Cum SA (acres)             68.56       3.01      25.54


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1441.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.36  680.51  603.54  679.96  987.27  676.13  1005.9  676.04
 1283.45  677.89 1307.67  677.88 1974.54   667.4  2011.8  667.18    2172  669.58
 2212.98     670 2764.36     670 2816.52  669.67 3751.63  650.97 3822.42     650
 4442.72     650 4526.55  647.35 4541.45  645.85 4627.14     640 4738.91     640
 4828.32  638.58 5133.81  623.31 5230.68  619.74  5824.9  614.64 5934.81     614
 7700.72     614 7799.45  614.31 7846.02  614.31 7946.61     615 8293.08     615
 8293.08  613.44 8449.56  613.44 8449.56     610  9082.9     610 9254.28  609.37
 9675.27  604.46 9857.82  602.13 9872.72  601.91   10059     60010662.54     600
10793.81  571.6910893.81  571.6911093.81     60011536.53  602.8713041.79  608.85
13218.88  609.3813431.39  620.0113484.52  629.38 13643.9  651.6913927.24  661.56
14068.91  663.7514104.33  663.0514369.96  660.1914387.67  660.4414600.18  665.69
14812.69     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510662.54     .1511093.81     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10662.5411093.81               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1304808.00   76472.07   497535.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1304808.00   76472.07   497535.50
  Q Total (cfs)           206224.30    Flow (cfs)              139760.80   10439.01   56024.49
  Top Width (ft)          14812.69    Top Width (ft)          10662.54     431.27    3718.88
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.19    Hydr. Depth (ft)          122.37     177.32     133.79
  Conv. Total (cfs)       468717900.0    Conv. (cfs)            317656000.0   23726350.0   127335500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10709.93     436.28    3788.71
  Min Ch El (ft)            571.69    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8598.06     549.62    3428.89
  C & E Loss (ft)             0.00    Cum SA (acres)             68.44       3.01      25.50


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1441.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.38  680.51  603.56  679.96   987.3  676.13 1005.93  676.04
 1283.49  677.89 1307.71  677.88  1974.6   667.4 2011.86  667.18 2172.06  669.58
 2213.04     670 2764.44     670  2816.6  669.67 3751.74  650.97 3822.53     650
 4442.85     650 4526.68  647.33 4541.58  645.84 4627.27     640 4739.04     640
 4828.46  638.58 5133.96   623.3 5230.83  619.74 5825.07  614.64 5934.98     614
 7700.94     614 7799.67  614.31 7846.24  614.31 7946.83     615 8293.32     615
 8293.32  613.43  8449.8  613.43  8449.8     610 9083.16     610 9254.54  609.36
 9675.54  604.45  9858.1  602.13    9873   601.910059.28     60010662.84     600
```

```
10794.26  571.6910894.26  571.6911094.26     60011537.11  602.87 13042.8  608.86
13219.94  609.3813432.51  620.0513485.65  629.4313645.08   651.7 13928.5  661.57
14070.21  663.7414105.64  663.0514371.35  660.1914389.06  660.4414601.63  665.72
 14814.2     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510662.84     .1511094.26     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10662.8411094.26               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1304856.00   76498.24   497648.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1304856.00   76498.24   497648.60
  Q Total (cfs)           206224.30    Flow (cfs)              139753.00   10441.58   56029.76
  Top Width (ft)          14814.20    Top Width (ft)          10662.84     431.42    3719.94
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.19    Hydr. Depth (ft)          122.37     177.32     133.78
  Conv. Total (cfs)       468764400.0    Conv. (cfs)            317669700.0   23734550.0   127360200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10710.23     436.43    3789.77
  Min Ch El (ft)            571.69    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8583.08     548.74    3423.18
  C & E Loss (ft)             0.00    Cum SA (acres)             68.32       3.00      25.46


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1440.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   592.4  680.51  603.57  679.96  987.33  676.13 1005.96  676.04
 1283.53  677.89 1307.74  677.88 1974.66   667.4 2011.91  667.18 2172.12  669.58
  2213.1     670 2764.52     670 2816.68  669.67 3751.85  650.96 3822.64     650
 4442.98     650 4526.81  647.32 4541.71  645.83  4627.4     640 4739.17     640
 4828.59  638.57 5134.11  623.29 5230.98  619.73 5825.23  614.64 5935.15     614
 7701.16     614 7799.89  614.32 7846.46  614.32 7947.06     615 8293.55     615
 8293.55  613.42 8450.04  613.42 8450.04     610 9083.42     610  9254.8  609.36
 9675.81  604.45 9858.38  602.12 9873.28   601.910059.57     60010663.14     600
10794.71  571.6810894.71  571.6811094.71     60011537.69  602.8713043.81  608.86
   13221  609.3813433.62   620.113486.78  629.4713646.25   651.713929.76  661.58
14071.51  663.7414106.95  663.0414372.73  660.1914390.45  660.4414603.08  665.75
14815.71     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510663.14     .1511094.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10663.1411094.71               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1304908.00   76527.09   497772.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1304908.00   76527.09   497772.30
  Q Total (cfs)           206224.30    Flow (cfs)              139743.50   10444.55   56036.22
  Top Width (ft)          14815.71    Top Width (ft)          10663.14     431.57    3721.00
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.20    Hydr. Depth (ft)          122.38     177.32     133.77
  Conv. Total (cfs)       468818000.0    Conv. (cfs)            317684600.0   23744010.0   127389400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10710.53     436.58    3790.82
  Min Ch El (ft)            571.68    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8568.10     547.86    3417.47
  C & E Loss (ft)             0.00    Cum SA (acres)             68.19       3.00      25.41


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1440.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.41  680.51  603.59  679.96  987.36  676.13 1005.99  676.04
 1283.56  677.89 1307.78  677.88 1974.71   667.4 2011.97  667.18 2172.18  669.58
 2213.17     670  2764.6     670 2816.76  669.66 3751.95  650.96 3822.74     650
  4443.1     650 4526.93  647.31 4541.84  645.82 4627.53     640 4739.31     640
 4828.73  638.56 5134.25  623.29 5231.12  619.73  5825.4  614.64 5935.31     614
 7701.38     614 7800.11  614.32 7846.69  614.32 7947.28     615 8293.79     615
 8293.79  613.41 8450.28  613.41 8450.28     610 9083.67     610 9255.06  609.36
 9676.09  604.45 9858.66  602.12 9873.56   601.910059.85     60010663.44     600
10795.17  571.6810895.17  571.6811095.17     60011538.27  602.8813044.81  608.86
13222.05  609.3813434.74  620.1513487.92  629.5213647.43  651.7113931.02  661.59
14072.81  663.7314108.26  663.0314374.12  660.1914391.84  660.4414604.53  665.77
14817.22     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510663.44     .1511095.17     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10663.4411095.17               .5      .5      .5             .1       .3
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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1304954.00   76554.79   497884.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1304954.00   76554.79   497884.80
  Q Total (cfs)           206224.30    Flow (cfs)              139735.40   10447.34   56041.52
  Top Width (ft)          14817.22    Top Width (ft)          10663.44     431.73    3722.05
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.20    Hydr. Depth (ft)          122.38     177.32     133.77
  Conv. Total (cfs)       468864300.0    Conv. (cfs)            317697500.0   23752700.0   127414000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10710.83     436.73    3791.86
  Min Ch El (ft)            571.68    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8553.12     546.98    3411.75
  C & E Loss (ft)             0.00    Cum SA (acres)             68.07       2.99      25.37


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1439.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.43   680.5  603.61  679.96  987.38  676.13 1006.01  676.04
  1283.6  677.89 1307.82  677.88 1974.77   667.4 2012.03  667.18 2172.24  669.58
 2213.23     670 2764.68     670 2816.84  669.66 3752.06  650.96 3822.85     650
 4443.23     650 4527.06  647.29 4541.97   645.8 4627.66     640 4739.44     640
 4828.87  638.56  5134.4  623.28 5231.27  619.73 5825.56  614.64 5935.48     614
 7701.59     614 7800.33  614.32 7846.91  614.32 7947.51     615 8294.02     615
 8294.02  613.41 8450.52  613.41 8450.52     610 9083.93     610 9255.33  609.35
 9676.36  604.44 9858.94  602.12 9873.84  601.8910060.14     60010663.75     600
10795.62  571.6810895.62  571.6811095.62     60011538.85  602.8813045.82  608.86
13223.11  609.3813435.86   620.213489.05  629.5613648.61  651.7213932.28  661.59
14074.11  663.7314109.57  663.03 14375.5  660.1914393.23  660.4514605.98   665.8
14818.73     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510663.75     .1511095.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10663.7511095.62               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1305006.00   76579.26   498006.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1305006.00   76579.26   498006.20
  Q Total (cfs)           206224.30    Flow (cfs)              139726.80   10449.58   56047.88
  Top Width (ft)          14818.73    Top Width (ft)          10663.75     431.87    3723.11
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.20    Hydr. Depth (ft)          122.38     177.32     133.76
  Conv. Total (cfs)       468914900.0    Conv. (cfs)            317712400.0   23760360.0   127442200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10711.14     436.87    3792.91
  Min Ch El (ft)            571.68    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8538.14     546.11    3406.04
  C & E Loss (ft)             0.00    Cum SA (acres)             67.95       2.99      25.33


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1439.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.45   680.5  603.63  679.96  987.41  676.13 1006.04  676.04
 1283.64  677.89 1307.85  677.88 1974.82   667.4 2012.08  667.18 2172.31  669.58
 2213.29     670 2764.75     670 2816.92  669.66 3752.17  650.96 3822.96     650
 4443.35     650 4527.19  647.28 4542.09  645.79 4627.79     640 4739.58     640
    4829  638.55 5134.54  623.27 5231.42  619.73 5825.73  614.64 5935.65     614
 7701.81     614 7800.55  614.32 7847.13  614.32 7947.73     615 8294.26     615
 8294.26   613.4 8450.75   613.4 8450.75     610 9084.19     610 9255.59  609.35
 9676.64  604.44 9859.21  602.11 9874.12  601.8910060.42     60010664.05     600
10796.07  571.6810896.07  571.6811096.07     60011539.43  602.8913046.83  608.87
13224.17  609.3813436.98  620.2513490.18  629.6113649.79  651.7313933.54   661.6
14075.41  663.7214110.88  663.0214376.89  660.1914394.62  660.4514607.43  665.83
14820.24     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510664.05     .1511096.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10664.0511096.07               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1305050.00   76605.44   498109.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1305050.00   76605.44   498109.50
  Q Total (cfs)           206224.30    Flow (cfs)              139720.00   10452.28   56052.02
  Top Width (ft)          14820.24    Top Width (ft)          10664.05     432.02    3724.17
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.20    Hydr. Depth (ft)          122.38     177.32     133.75
  Conv. Total (cfs)       468955700.0    Conv. (cfs)            317724400.0   23768570.0   127462800.0
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  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10711.44     437.02    3793.96
  Min Ch El (ft)            571.68    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8523.16     545.23    3400.32
  C & E Loss (ft)             0.00    Cum SA (acres)             67.83       2.98      25.28


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1438.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.46   680.5  603.64  679.96  987.44  676.13 1006.07  676.04
 1283.67  677.89 1307.89  677.88 1974.88  667.39 2012.14  667.18 2172.37  669.59
 2213.36     670 2764.83     670    2817  669.66 3752.27  650.95 3823.07     650
 4443.48     650 4527.32  647.27 4542.22  645.78 4627.93     640 4739.71     640
 4829.14  638.54 5134.69  623.27 5231.57  619.73  5825.9  614.64 5935.82     614
 7702.03     614 7800.77  614.32 7847.35  614.32 7947.96     615  8294.5     615
  8294.5  613.39 8450.99  613.39 8450.99     610 9084.45     610 9255.85  609.35
 9676.91  604.44 9859.49  602.11  9874.4  601.8810060.71     60010664.35     600
10796.53  571.6810896.53  571.6811096.53     600   11540  602.8913047.83  608.87
13225.23  609.38 13438.1   620.313491.31  629.6513650.97  651.7413934.79  661.61
14076.71  663.7114112.19  663.0114378.27  660.1914396.01  660.4514608.88  665.86
14821.75     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510664.35     .1511096.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10664.3511096.53               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1305100.00   76633.31   498230.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1305100.00   76633.31   498230.50
  Q Total (cfs)           206224.30    Flow (cfs)              139711.00   10454.98   56058.31
  Top Width (ft)          14821.75    Top Width (ft)          10664.35     432.18    3725.22
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.20    Hydr. Depth (ft)          122.38     177.32     133.75
  Conv. Total (cfs)       469007100.0    Conv. (cfs)            317738800.0   23777310.0   127491000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10711.74     437.18    3795.00
  Min Ch El (ft)            571.68    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8508.18     544.35    3394.60
  C & E Loss (ft)             0.00    Cum SA (acres)             67.70       2.98      25.24


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1438.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.48   680.5  603.66  679.96  987.47  676.13  1006.1  676.04
 1283.71  677.89 1307.93  677.88 1974.94  667.39  2012.2  667.18 2172.43  669.59
 2213.42     670 2764.91     670 2817.08  669.66 3752.38  650.95 3823.18     650
  4443.6     650 4527.45  647.26 4542.35  645.76 4628.06     640 4739.85     640
 4829.28  638.54 5134.83  623.26 5231.72  619.73 5826.06  614.63 5935.99     614
 7702.25     614    7801  614.32 7847.57  614.32 7948.18     615 8294.73     615
 8294.73  613.38 8451.23  613.38 8451.23     610  9084.7     610 9256.11  609.35
 9677.18  604.43 9859.77   602.1 9874.68  601.8810060.99     60010664.65     600
10796.98  571.6810896.98  571.6811096.98     60011540.58   602.913048.84  608.87
13226.28  609.3813439.21  620.3413492.45   629.713652.14  651.7513936.05  661.62
14078.01  663.7114113.49  663.0114379.66  660.19 14397.4  660.4514610.33  665.88
14823.26     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510664.65     .1511096.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10664.6511096.98               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1305149.00   76659.31   498343.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1305149.00   76659.31   498343.20
  Q Total (cfs)           206224.30    Flow (cfs)              139703.30   10457.52   56063.48
  Top Width (ft)          14823.26    Top Width (ft)          10664.65     432.33    3726.28
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.20    Hydr. Depth (ft)          122.38     177.32     133.74
  Conv. Total (cfs)       469053700.0    Conv. (cfs)            317752800.0   23785450.0   127515400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10712.04     437.32    3796.06
  Min Ch El (ft)            571.68    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8493.20     543.47    3388.88
  C & E Loss (ft)             0.00    Cum SA (acres)             67.58       2.97      25.20


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
```

```
RIVER: SQUAW CREEK
REACH: SC                  RS: 1437.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720   592.5   680.5  603.68  679.96   987.5  676.13 1006.13  676.04
  1283.74  677.89 1307.97  677.87 1974.99  667.39 2012.26  667.18 2172.49  669.59
  2213.48     670 2764.99     670 2817.16  669.66 3752.48  650.95 3823.29     650
  4443.73     650 4527.58  647.24 4542.48  645.75 4628.19     640 4739.98     640
  4829.41  638.53 5134.98  623.25 5231.86  619.73 5826.23  614.63 5936.15     614
  7702.47     614 7801.22  614.32  7847.8  614.32 7948.41     615 8294.96     615
  8294.96  613.38 8451.47  613.38 8451.47     610 9084.96     610 9256.38  609.34
  9677.46  604.43 9860.05   602.1 9874.96  601.8810061.28     60010664.96     600
 10797.43  571.6810897.43  571.6811097.43     60011541.16   602.913049.85  608.87
 13227.34  609.3913440.33  620.3913493.58  629.7413653.32  651.7513937.31  661.62
  14079.3   663.7 14114.8     66314381.04  660.1914398.79  660.4514611.78  665.91
 14824.77     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1510664.96     .1511097.43     .15

Bank Sta: Left   Right     Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10664.9611097.43                .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1305199.00   76683.62   498468.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1305199.00   76683.62   498468.40
  Q Total (cfs)           206224.30    Flow (cfs)              139694.10   10459.72   56070.44
  Top Width (ft)          14824.77    Top Width (ft)          10664.96     432.47    3727.34
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.20    Hydr. Depth (ft)          122.38     177.32     133.73
  Conv. Total (cfs)       469105400.0    Conv. (cfs)            317767000.0   23793070.0   127545300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10712.35     437.46    3797.11
  Min Ch El (ft)            571.68    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8478.22     542.59    3383.16
  C & E Loss (ft)             0.00    Cum SA (acres)             67.46       2.97      25.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1437.*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  592.51   680.5  603.69  679.96  987.52  676.12 1006.16  676.04
  1283.78  677.89    1308  677.87 1975.05  667.39 2012.31  667.18 2172.55  669.59
  2213.54     670 2765.07     670 2817.24  669.66 3752.59  650.95 3823.39     650
  4443.86     650  4527.7  647.23 4542.61  645.74 4628.32     640 4740.11     640
  4829.55  638.52 5135.12  623.24 5232.01  619.73 5826.39  614.63 5936.32     614
  7702.69     614 7801.44  614.33 7848.02  614.33 7948.63     615  8295.2     615
   8295.2  613.37 8451.71  613.37 8451.71     610 9085.22     610 9256.64  609.34
  9677.73  604.43 9860.33   602.1 9875.24  601.8710061.56     60010665.26     600
 10797.88  571.6710897.88  571.6711097.88     60011541.74  602.9113050.86  608.88
  13228.4  609.3913441.45  620.4413494.71  629.79 13654.5  651.7613938.57  661.63
  14080.6  663.6914116.11  662.9914382.43  660.1914400.18  660.4614613.23  665.94
 14826.28     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1510665.26     .1511097.88     .15

Bank Sta: Left   Right     Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10665.2611097.88                .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1305244.00   76712.45   498570.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1305244.00   76712.45   498570.60
  Q Total (cfs)           206224.30    Flow (cfs)              139687.10   10462.94   56074.25
  Top Width (ft)          14826.28    Top Width (ft)          10665.26     432.62    3728.40
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.21    Hydr. Depth (ft)          122.38     177.32     133.72
  Conv. Total (cfs)       469147200.0    Conv. (cfs)            317779300.0   23802520.0   127565400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10712.64     437.61    3798.16
  Min Ch El (ft)            571.67    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8463.24     541.71    3377.44
  C & E Loss (ft)             0.00    Cum SA (acres)             67.34       2.96      25.11


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1436.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  592.53   680.5  603.71  679.96  987.55  676.12 1006.18  676.04
  1283.82  677.89 1308.04  677.87  1975.1  667.39 2012.37  667.19 2172.61  669.59
  2213.61     670 2765.15     670 2817.32  669.65  3752.7  650.95  3823.5     650
  4443.98     650 4527.83  647.22 4542.74  645.73 4628.45     640 4740.25     640
  4829.69  638.52 5135.27  623.24 5232.16  619.72 5826.56  614.63 5936.49     614
```

```
  7702.9     614 7801.66  614.33 7848.24  614.33 7948.86     615 8295.43     615
 8295.43  613.36 8451.95  613.36 8451.95     610 9085.48     610  9256.9  609.34
 9678.01  604.42 9860.61  602.09 9875.52  601.8710061.85     60010665.56     600
10798.34  571.6710898.34  571.6711098.34     60011542.32  602.9113051.86  608.88
13229.46  609.3913442.57  620.4913495.85  629.8313655.68  651.7713939.83  661.64
 14081.9  663.6914117.42  662.9914383.81  660.1914401.57  660.4614614.68  665.97
14827.79     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510665.56     .1511098.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10665.5611098.34               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1305294.00   76740.33   498689.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1305294.00   76740.33   498689.30
  Q Total (cfs)           206224.30    Flow (cfs)              139678.40   10465.65   56080.21
  Top Width (ft)          14827.79    Top Width (ft)          10665.56     432.78    3729.45
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.21    Hydr. Depth (ft)          122.38     177.32     133.72
  Conv. Total (cfs)       469197800.0    Conv. (cfs)             317793800.0   23811260.0   127592700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10712.94     437.77    3799.20
  Min Ch El (ft)            571.67    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8448.26     540.83    3371.72
  C & E Loss (ft)             0.00    Cum SA (acres)             67.21       2.96      25.07


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1436.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.55   680.5  603.73  679.96  987.58  676.12 1006.21  676.04
 1283.85  677.89 1308.08  677.87 1975.16  667.39 2012.43  667.19 2172.68  669.59
 2213.67     670 2765.22     670  2817.4  669.65  3752.8  650.94 3823.61     650
 4444.11     650 4527.96   647.2 4542.87  645.71 4628.58     640 4740.38     640
 4829.82  638.51 5135.41  623.23 5232.31  619.72 5826.72  614.63 5936.66     614
 7703.12     614 7801.88  614.33 7848.46  614.33 7949.08     615 8295.67     615
 8295.67  613.35 8452.19  613.35 8452.19     610 9085.73     610 9257.16  609.33
 9678.28  604.42 9860.89  602.09  9875.8  601.8610062.13     60010665.86     600
10798.79  571.6710898.79  571.6711098.79     600 11542.9  602.9213052.87  608.88
13230.51  609.3913443.69  620.5413496.98  629.8813656.86  651.7813941.09  661.65
 14083.2  663.6814118.73  662.98 14385.2  660.1914402.96  660.4614616.13  665.99
 14829.3     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510665.86     .1511098.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10665.8611098.79               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1305348.00   76766.34   498803.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1305348.00   76766.34   498803.20
  Q Total (cfs)           206224.30    Flow (cfs)              139670.80   10468.14   56085.34
  Top Width (ft)          14829.30    Top Width (ft)          10665.86     432.93    3730.51
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.21    Hydr. Depth (ft)          122.39     177.32     133.71
  Conv. Total (cfs)       469246600.0    Conv. (cfs)             317809500.0   23819410.0   127617600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10713.24     437.91    3800.26
  Min Ch El (ft)            571.67    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8433.27     539.95    3365.99
  C & E Loss (ft)             0.00    Cum SA (acres)             67.09       2.95      25.03


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1435.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.56   680.5  603.75  679.96  987.61  676.12 1006.24  676.04
 1283.89  677.89 1308.11  677.87 1975.22  667.39 2012.48  667.19 2172.74  669.59
 2213.73     670  2765.3     670 2817.48  669.65 3752.91  650.94 3823.72     650
 4444.23     650 4528.09  647.19    4543   645.7 4628.71     640 4740.52     640
 4829.96   638.5 5135.56  623.22 5232.46  619.72 5826.89  614.63 5936.83     614
 7703.34     614  7802.1  614.33 7848.69  614.33 7949.31     615  8295.9     615
  8295.9  613.35 8452.43  613.35 8452.43     610 9085.99     610 9257.42  609.33
 9678.56  604.42 9861.17  602.08 9876.08  601.8610062.42     60010666.16     600
10799.25  571.6710899.25  571.6711099.25     60011543.48  602.9213053.88  608.88
13231.57  609.39 13444.8  620.5913498.11  629.9213658.04  651.7913942.35  661.65
 14084.5  663.6814120.04  662.9714386.58  660.1914404.35  660.4614617.58  666.02
14830.82     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510666.16     .1511099.25     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10666.1611099.25               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1305390.00   76794.21   498926.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1305390.00   76794.21   498926.10
  Q Total (cfs)           206224.30    Flow (cfs)              139661.20   10470.89   56092.18
  Top Width (ft)          14830.82    Top Width (ft)          10666.16     433.09    3731.57
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.21    Hydr. Depth (ft)          122.39     177.32     133.70
  Conv. Total (cfs)       469295600.0    Conv. (cfs)            317820900.0   23828150.0   127646500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10713.54     438.07    3801.31
  Min Ch El (ft)            571.67    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8418.29     539.06    3360.27
  C & E Loss (ft)             0.00    Cum SA (acres)             66.97       2.95      24.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1435.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.58  680.49  603.76  679.96  987.64  676.12 1006.27  676.04
 1283.93  677.89 1308.15  677.87 1975.27  667.39 2012.54  667.19  2172.8  669.59
 2213.79     670 2765.38     670 2817.56  669.65 3753.02  650.94 3823.83     650
 4444.36     650 4528.22  647.18 4543.12  645.69 4628.84     640 4740.65     640
  4830.1   638.5 5135.71  623.21 5232.61  619.72 5827.05  614.63 5936.99     614
 7703.56     614 7802.32  614.33 7848.91  614.33 7949.54     615 8296.14     615
 8296.14  613.34 8452.67  613.34 8452.67     610 9086.25     610 9257.69  609.33
 9678.83  604.41 9861.45  602.08 9876.36  601.85 10062.7     60010666.46     600
 10799.7  571.67 10899.7  571.67 11099.7     60011544.06  602.9313054.88  608.89
13232.63  609.3913445.92  620.6313499.25  629.9713659.21  651.7913943.61  661.66
 14085.8  663.6714121.35  662.9714387.97  660.1914405.74  660.4714619.03  666.05
14832.33     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510666.46     .15 11099.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10666.46 11099.7               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1305438.00   76820.38   499030.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1305438.00   76820.38   499030.30
  Q Total (cfs)           206224.30    Flow (cfs)              139654.50   10473.54   56096.26
  Top Width (ft)          14832.33    Top Width (ft)          10666.46     433.24    3732.63
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.21    Hydr. Depth (ft)          122.39     177.32     133.69
  Conv. Total (cfs)       469338200.0    Conv. (cfs)            317834500.0   23836350.0   127667400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10713.84     438.22    3802.36
  Min Ch El (ft)            571.67    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8403.31     538.18    3354.54
  C & E Loss (ft)             0.00    Cum SA (acres)             66.85       2.94      24.94


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1434.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   592.6  680.49  603.78  679.96  987.66  676.12  1006.3  676.04
 1283.96  677.89 1308.19  677.87 1975.33  667.39  2012.6  667.19 2172.86  669.59
 2213.86     670 2765.46     670 2817.64  669.65 3753.12  650.94 3823.94     650
 4444.49     650 4528.34  647.17 4543.25  645.67 4628.97     640 4740.79     640
 4830.23  638.49 5135.85  623.21 5232.75  619.72 5827.22  614.62 5937.16     614
 7703.78     614 7802.54  614.33 7849.13  614.33 7949.76     615 8296.38     615
 8296.38  613.33 8452.91  613.33 8452.91     610 9086.51     610 9257.95  609.32
  9679.1  604.41 9861.73  602.07 9876.64  601.8510062.99     60010666.77     600
10800.15  571.6710900.15  571.6711100.15     60011544.64  602.9313055.89  608.89
13233.69  609.3913447.04  620.6813500.38  630.0213660.39   651.813944.86  661.67
 14087.1  663.6614122.66  662.9614389.35  660.1914407.13  660.4714620.48  666.08
14833.84     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510666.77     .1511100.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10666.7711100.15               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1305489.00   76844.86   499151.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1305489.00   76844.86   499151.60
  Q Total (cfs)           206224.30    Flow (cfs)              139645.90   10475.79   56102.61
  Top Width (ft)          14833.84    Top Width (ft)          10666.77     433.38    3733.69
```

```
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.21    Hydr. Depth (ft)          122.39     177.31     133.69
  Conv. Total (cfs)       469388700.0    Conv. (cfs)            317849100.0   23844020.0   127695600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10714.15     438.35    3803.41
  Min Ch El (ft)            571.67    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8388.32     537.30    3348.81
  C & E Loss (ft)             0.00    Cum SA (acres)             66.72       2.94      24.90


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1434.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.61  680.49   603.8  679.96  987.69  676.12 1006.33  676.04
    1284  677.89 1308.23  677.87 1975.38  667.39 2012.65  667.19 2172.92  669.59
 2213.92     670 2765.54     670 2817.72  669.65 3753.23  650.94 3824.04     650
 4444.61     650 4528.47  647.15 4543.38  645.66 4629.11     640 4740.92     640
 4830.37  638.48    5136   623.2  5232.9  619.72 5827.38  614.62 5937.33     614
 7703.99     614 7802.76  614.34 7849.35  614.34 7949.99     615 8296.61     615
 8296.61  613.32 8453.15  613.32 8453.15     610 9086.76     610 9258.21  609.32
 9679.38  604.41 9862.01  602.07 9876.92  601.8510063.27     60010667.07     600
 10800.6  571.66 10900.6  571.66 11100.6     60011545.22  602.94 13056.9  608.89
13234.74   609.413448.16  620.7313501.51  630.0613661.57  651.8113946.12  661.68
 14088.4  663.6614123.97  662.9514390.74  660.1814408.52  660.4714621.93   666.1
14835.35     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510667.07     .15 11100.6     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10667.07 11100.6               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1305532.00   76873.37   499265.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1305532.00   76873.37   499265.20
  Q Total (cfs)           206224.30    Flow (cfs)              139637.30   10478.88   56108.09
  Top Width (ft)          14835.35    Top Width (ft)          10667.07     433.53    3734.75
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.22    Hydr. Depth (ft)          122.39     177.32     133.68
  Conv. Total (cfs)       469434100.0    Conv. (cfs)            317860400.0   23853370.0   127720400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10714.45     438.50    3804.47
  Min Ch El (ft)            571.66    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8373.34     536.42    3343.08
  C & E Loss (ft)             0.00    Cum SA (acres)             66.60       2.93      24.86


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1433.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.63  680.49  603.81  679.96  987.72  676.12 1006.36  676.04
 1284.04  677.89 1308.26  677.87 1975.44  667.39 2012.71  667.19 2172.98  669.59
 2213.98     670 2765.61     670  2817.8  669.64 3753.33  650.93 3824.15     650
 4444.74     650  4528.6  647.14 4543.51  645.65 4629.24     640 4741.05     640
 4830.51  638.47 5136.14  623.19 5233.05  619.72 5827.55  614.62  5937.5     614
 7704.21     614 7802.98  614.34 7849.58  614.34 7950.21     615 8296.84     615
 8296.84  613.32 8453.39  613.32 8453.39     610 9087.02     610 9258.47  609.32
 9679.65   604.4 9862.29  602.07  9877.2  601.8410063.56     60010667.37     600
10801.06  571.6610901.06  571.6611101.06     600 11545.8  602.9413057.91  608.89
 13235.8   609.413449.28  620.7813502.64  630.1113662.75  651.8213947.38  661.68
 14089.7  663.6514125.28  662.9514392.12  660.1814409.91  660.4714623.38  666.13
14836.86     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510667.37     .1511101.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10667.3711101.06               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1305587.00   76901.24   499385.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1305587.00   76901.24   499385.80
  Q Total (cfs)           206224.30    Flow (cfs)              139628.70   10481.52   56114.04
  Top Width (ft)          14836.86    Top Width (ft)          10667.37     433.69    3735.80
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.22    Hydr. Depth (ft)          122.39     177.32     133.68
  Conv. Total (cfs)       469487600.0    Conv. (cfs)            317877000.0   23862100.0   127748500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10714.75     438.66    3805.51
  Min Ch El (ft)            571.66    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8358.35     535.54    3337.35
  C & E Loss (ft)             0.00    Cum SA (acres)             66.48       2.93      24.81


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1433.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.65  680.49  603.83  679.96  987.75  676.12 1006.38  676.04
 1284.07  677.89  1308.3  677.87  1975.5  667.39 2012.77  667.19 2173.04   669.6
 2214.05     670 2765.69     670 2817.88  669.64 3753.44  650.93 3824.26     650
 4444.86     650 4528.73  647.13 4543.64  645.64 4629.37     640 4741.19     640
 4830.64  638.47 5136.29  623.19  5233.2  619.72 5827.71  614.62 5937.67     614
 7704.43     614 7803.21  614.34  7849.8  614.34 7950.44     615 8297.08     615
 8297.08  613.31 8453.63  613.31 8453.63     610 9087.28     610 9258.74  609.31
 9679.93   604.4 9862.57  602.06 9877.48  601.8410063.84     60010667.67     600
10801.51  571.6610901.51  571.6611101.51     60011546.38  602.9413058.91   608.9
13236.86   609.413450.39  620.8313503.78  630.1513663.93  651.8313948.64  661.69
   14091  663.6514126.59  662.94 14393.5  660.18 14411.3  660.4714624.83  666.16
14838.37     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510667.67     .1511101.51     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10667.6711101.51               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1305629.00   76927.41   499498.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1305629.00   76927.41   499498.90
  Q Total (cfs)           206224.30    Flow (cfs)              139620.50   10484.15   56119.64
  Top Width (ft)          14838.37    Top Width (ft)          10667.67     433.84    3736.86
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.22    Hydr. Depth (ft)          122.39     177.32     133.67
  Conv. Total (cfs)       469531400.0    Conv. (cfs)            317887900.0   23870300.0   127773200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10715.05     438.81    3806.56
  Min Ch El (ft)            571.66    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8343.37     534.65    3331.62
  C & E Loss (ft)             0.00    Cum SA (acres)             66.36       2.92      24.77


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1432.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.67  680.49  603.85  679.96  987.78  676.12 1006.41  676.04
 1284.11  677.89 1308.34  677.87 1975.55  667.38 2012.83  667.19 2173.11   669.6
 2214.11     670 2765.77     670 2817.96  669.64 3753.55  650.93 3824.37     650
 4444.99     650 4528.86  647.11 4543.77  645.62  4629.5     640 4741.32     640
 4830.78  638.46 5136.43  623.18 5233.35  619.71 5827.88  614.62 5937.84     614
 7704.65     614 7803.43  614.34 7850.02  614.34 7950.66     615 8297.31     615
 8297.31   613.3 8453.87   613.3 8453.87     610 9087.54     610    9259  609.31
  9680.2   604.4 9862.85  602.06 9877.75  601.8310064.13     60010667.98     600
10801.96  571.6610901.96  571.6611101.96     60011546.95  602.9513059.92   608.9
13237.92   609.413451.51  620.8813504.91   630.213665.11  651.84 13949.9   661.7
 14092.3  663.64 14127.9  662.9314394.89  660.1814412.69  660.4814626.28  666.19
14839.88     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510667.98     .1511101.96     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10667.9811101.96               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1305683.00   76951.72   499609.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1305683.00   76951.72   499609.30
  Q Total (cfs)           206224.30    Flow (cfs)              139613.50   10486.44   56124.36
  Top Width (ft)          14839.88    Top Width (ft)          10667.98     433.98    3737.92
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.22    Hydr. Depth (ft)          122.39     177.32     133.66
  Conv. Total (cfs)       469578400.0    Conv. (cfs)            317903800.0   23877920.0   127796700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10715.36     438.94    3807.61
  Min Ch El (ft)            571.66    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8328.38     533.77    3325.88
  C & E Loss (ft)             0.00    Cum SA (acres)             66.23       2.92      24.73


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1432.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.68  680.49  603.86  679.96   987.8  676.12 1006.44  676.04
 1284.14  677.89 1308.37  677.87 1975.61  667.38 2012.88  667.19 2173.17   669.6
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 2214.17     670 2765.85     670 2818.04  669.64 3753.65  650.93 3824.48     650
 4445.12     650 4528.99   647.1  4543.9  645.61 4629.63     640 4741.46     640
 4830.92  638.45 5136.58  623.17 5233.49  619.71 5828.04  614.62    5938     614
 7704.87     614 7803.65  614.34 7850.24  614.34 7950.89     615 8297.55     615
 8297.55  613.29 8454.11  613.29 8454.11     610 9087.79     610 9259.26  609.31
 9680.47  604.39 9863.12  602.05 9878.04  601.8310064.41     60010668.28     600
10802.42  571.6610902.42  571.6611102.42     60011547.53  602.9513060.93   608.9
13238.97   609.413452.63  620.9213506.04  630.2413666.28  651.8413951.16  661.71
14093.59  663.63 14129.2  662.9314396.27  660.1814414.08  660.4814627.73  666.21
14841.39     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510668.28     .1511102.42     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10668.2811102.42               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1305731.00   76979.59   499734.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1305731.00   76979.59   499734.20
  Q Total (cfs)           206224.30    Flow (cfs)              139603.90   10489.12   56131.28
  Top Width (ft)          14841.39    Top Width (ft)          10668.28     434.14    3738.97
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.22    Hydr. Depth (ft)          122.39     177.32     133.66
  Conv. Total (cfs)       469630400.0    Conv. (cfs)            317917100.0   23886650.0   127826600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10715.66     439.10    3808.66
  Min Ch El (ft)            571.66    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8313.39     532.89    3320.15
  C & E Loss (ft)             0.00    Cum SA (acres)             66.11       2.91      24.68


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1431.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   592.7  680.49  603.88  679.96  987.83  676.12 1006.47  676.04
 1284.18  677.89 1308.41  677.87 1975.66  667.38 2012.94  667.19 2173.23   669.6
 2214.23     670 2765.93     670 2818.12  669.64 3753.76  650.92 3824.59     650
 4445.24     650 4529.11  647.09 4544.02   645.6 4629.76     640 4741.59     640
 4831.06  638.45 5136.72  623.16 5233.64  619.71 5828.21  614.62 5938.17     614
 7705.09     614 7803.87  614.34 7850.46  614.34 7951.11     615 8297.78     615
 8297.78  613.29 8454.35  613.29 8454.35     610 9088.05     610 9259.52  609.31
 9680.75  604.39  9863.4  602.05 9878.31  601.83 10064.7     60010668.58     600
10802.87  571.6610902.87  571.6611102.87     60011548.11  602.9613061.93   608.9
13240.03   609.413453.75  620.9713507.17  630.2913667.46  651.8513952.42  661.71
14094.89  663.6314130.51  662.9214397.66  660.1814415.47  660.4814629.18  666.24
 14842.9     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510668.58     .1511102.87     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10668.5811102.87               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1305775.00   77005.77   499847.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1305775.00   77005.77   499847.00
  Q Total (cfs)           206224.30    Flow (cfs)              139595.90   10491.72   56136.68
  Top Width (ft)          14842.90    Top Width (ft)          10668.58     434.29    3740.03
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.22    Hydr. Depth (ft)          122.39     177.31     133.65
  Conv. Total (cfs)       469675200.0    Conv. (cfs)            317929200.0   23894850.0   127851100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10715.96     439.25    3809.71
  Min Ch El (ft)            571.66    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8298.40     532.00    3314.41
  C & E Loss (ft)             0.00    Cum SA (acres)             65.99       2.91      24.64


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1431.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.72  680.49   603.9  679.96  987.86  676.12  1006.5  676.04
 1284.22  677.89 1308.45  677.87 1975.72  667.38    2013  667.19 2173.29   669.6
  2214.3     670 2766.01     670  2818.2  669.64 3753.87  650.92 3824.69     650
 4445.37     650 4529.24  647.08 4544.15  645.58 4629.89     640 4741.73     640
 4831.19  638.44 5136.87  623.16 5233.79  619.71 5828.37  614.61 5938.34     614
  7705.3     614 7804.09  614.34 7850.69  614.34 7951.34     615 8298.02     615
 8298.02  613.28 8454.59  613.28 8454.59     610 9088.31     610 9259.78   609.3
 9681.02  604.39 9863.68  602.04 9878.59  601.8210064.98     60010668.88     600
10803.32  571.6610903.32  571.6611103.32     60011548.69  602.9613062.94  608.91
13241.09   609.413454.86  621.0213508.31  630.3313668.64  651.8613953.68  661.72
14096.19  663.6214131.82  662.9114399.04  660.1814416.86  660.4814630.63  666.27
14844.41     695

Manning's n Values        num=       3
```

```
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510668.88     .1511103.32     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10668.8811103.32               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1305825.00   77031.95   499961.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1305825.00   77031.95   499961.10
  Q Total (cfs)           206224.30    Flow (cfs)              139588.00   10494.25   56142.01
  Top Width (ft)          14844.41    Top Width (ft)          10668.88     434.44    3741.09
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.22    Hydr. Depth (ft)          122.40     177.31     133.64
  Conv. Total (cfs)       469723000.0    Conv. (cfs)            317943700.0   23903050.0   127876300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10716.26     439.39    3810.76
  Min Ch El (ft)            571.66    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8283.41     531.12    3308.67
  C & E Loss (ft)             0.00    Cum SA (acres)             65.87       2.90      24.60


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1430.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.73  680.48  603.92  679.96  987.89  676.12 1006.53  676.04
 1284.25   677.9 1308.48  677.87 1975.77  667.38 2013.05   667.2 2173.35   669.6
 2214.36     670 2766.08     670 2818.28  669.63 3753.97  650.92  3824.8     650
 4445.49     650 4529.37  647.06 4544.28  645.57 4630.02     640 4741.86     640
 4831.33  638.43 5137.01  623.15 5233.94  619.71 5828.54  614.61 5938.51     614
 7705.52     614 7804.31  614.35 7850.91  614.35 7951.56     615 8298.25     615
 8298.25  613.27 8454.83  613.27 8454.83     610 9088.56     610 9260.05   609.3
  9681.3  604.38 9863.96  602.04 9878.87  601.8210065.27     60010669.18     600
10803.78  571.6510903.78  571.6511103.78     60011549.27  602.9713063.95  608.91
13242.14  609.4113455.98  621.0713509.44  630.3813669.82  651.8713954.93  661.73
14097.49  663.6214133.13  662.9114400.43  660.1814418.25  660.4814632.08   666.3
14845.92     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510669.18     .1511103.78     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10669.1811103.78               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1305876.00   77062.48   500066.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1305876.00   77062.48   500066.70
  Q Total (cfs)           206224.30    Flow (cfs)              139580.70   10497.60   56145.99
  Top Width (ft)          14845.92    Top Width (ft)          10669.18     434.60    3742.14
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.23    Hydr. Depth (ft)          122.40     177.32     133.63
  Conv. Total (cfs)       469769400.0    Conv. (cfs)            317958400.0   23913040.0   127898000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10716.55     439.55    3811.80
  Min Ch El (ft)            571.65    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8268.43     530.23    3302.93
  C & E Loss (ft)             0.00    Cum SA (acres)             65.74       2.90      24.56


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1430.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.75  680.48  603.93  679.96  987.92  676.12 1006.56  676.04
 1284.29   677.9 1308.52  677.87 1975.83  667.38 2013.11   667.2 2173.41   669.6
 2214.42     670 2766.16     670 2818.35  669.63 3754.08  650.92 3824.91     650
 4445.62     650  4529.5  647.05 4544.41  645.56 4630.15     640 4741.99     640
 4831.47  638.43 5137.16  623.14 5234.09  619.71  5828.7  614.61 5938.68     614
 7705.74     614 7804.53  614.35 7851.13  614.35 7951.79     615 8298.49     615
 8298.49  613.26 8455.06  613.26 8455.06     610 9088.82     610 9260.31   609.3
 9681.57  604.38 9864.24  602.04 9879.15  601.8110065.55     60010669.49     600
10804.23  571.6510904.23  571.6511104.23     60011549.85  602.9713064.95  608.91
 13243.2  609.41 13457.1  621.1213510.57  630.42   13671  651.8813956.19  661.74
14098.79  663.6114134.44   662.914401.81  660.1814419.64  660.4914633.54  666.32
14847.43     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510669.49     .1511104.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10669.4911104.23               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1305920.00   77086.79   500190.30
```

```
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1305920.00   77086.79   500190.30
  Q Total (cfs)           206224.30    Flow (cfs)              139571.50   10499.86   56152.99
  Top Width (ft)          14847.43    Top Width (ft)          10669.49     434.74    3743.20
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.23    Hydr. Depth (ft)          122.40     177.32     133.63
  Conv. Total (cfs)       469817800.0    Conv. (cfs)            317970000.0   23920650.0   127927100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10716.87     439.69    3812.86
  Min Ch El (ft)            571.65    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8253.44     529.35    3297.19
  C & E Loss (ft)             0.00    Cum SA (acres)             65.62       2.89      24.51


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1429.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.77  680.48  603.95  679.96  987.94  676.12 1006.58  676.04
 1284.33   677.9 1308.56  677.87 1975.89  667.38 2013.17   667.2 2173.48   669.6
 2214.48     670 2766.24     670 2818.43  669.63 3754.18  650.92 3825.02     650
 4445.75     650 4529.63  647.04 4544.54  645.55 4630.29     640 4742.13     640
  4831.6  638.42 5137.31  623.13 5234.24  619.71 5828.87  614.61 5938.84     614
 7705.96     614 7804.75  614.35 7851.35  614.35 7952.01     615 8298.72     615
 8298.72  613.26  8455.3  613.26  8455.3     610 9089.08     610 9260.57  609.29
 9681.84  604.38 9864.52  602.03 9879.43  601.8110065.84     60010669.79     600
10804.68  571.6510904.68  571.6511104.68     60011550.43  602.9813065.96  608.91
13244.26  609.4113458.22  621.1713511.71  630.4713672.17  651.8813957.45  661.74
14100.09   663.614135.75  662.89 14403.2  660.1814421.03  660.4914634.99  666.35
14848.94     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510669.79     .1511104.68     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10669.7911104.68               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1305965.00   77112.80   500306.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1305965.00   77112.80   500306.30
  Q Total (cfs)           206224.30    Flow (cfs)              139563.10   10502.39   56158.79
  Top Width (ft)          14848.94    Top Width (ft)          10669.79     434.89    3744.26
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.23    Hydr. Depth (ft)          122.40     177.32     133.62
  Conv. Total (cfs)       469864400.0    Conv. (cfs)            317982600.0   23928800.0   127953000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10717.17     439.84    3813.91
  Min Ch El (ft)            571.65    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8238.45     528.46    3291.45
  C & E Loss (ft)             0.00    Cum SA (acres)             65.50       2.89      24.47


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1429.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.78  680.48  603.97  679.96  987.97  676.12 1006.61  676.04
 1284.36   677.9  1308.6  677.86 1975.94  667.38 2013.22   667.2 2173.54   669.6
 2214.55     670 2766.32     670 2818.51  669.63 3754.29  650.91 3825.13     650
 4445.87     650 4529.76  647.02 4544.67  645.53 4630.42     640 4742.26     640
 4831.74  638.41 5137.45  623.13 5234.38  619.71 5829.03  614.61 5939.01     614
 7706.18     614 7804.97  614.35 7851.58  614.35 7952.24     615 8298.96     615
 8298.96  613.25 8455.54  613.25 8455.54     610 9089.34     610 9260.83  609.29
 9682.12  604.38  9864.8  602.03 9879.71   601.810066.12     60010670.09     600
10805.14  571.6510905.14  571.6511105.14     60011551.01  602.9813066.97  608.92
13245.32  609.4113459.33  621.2113512.84  630.5113673.35  651.8913958.71  661.75
14101.39   663.614137.06  662.8914404.58  660.1814422.42  660.4914636.43  666.38
14850.45     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510670.09     .1511105.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10670.0911105.14               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1306017.00   77140.67   500417.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1306017.00   77140.67   500417.30
  Q Total (cfs)           206224.30    Flow (cfs)              139555.50   10505.15   56163.60
  Top Width (ft)          14850.45    Top Width (ft)          10670.09     435.05    3745.31
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.23    Hydr. Depth (ft)          122.40     177.31     133.61
  Conv. Total (cfs)       469912200.0    Conv. (cfs)            317997700.0   23937530.0   127977000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10717.46     439.99    3814.95
  Min Ch El (ft)            571.65    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8223.46     527.58    3285.71
  C & E Loss (ft)             0.00    Cum SA (acres)             65.38       2.88      24.43
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1428.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   592.8  680.48  603.98  679.96     988  676.12 1006.64  676.04
  1284.4   677.9 1308.63  677.86    1976  667.38 2013.28   667.2  2173.6   669.6
 2214.61     670  2766.4     670 2818.59  669.63  3754.4  650.91 3825.24     650
    4446     650 4529.88  647.01  4544.8  645.52 4630.55     640  4742.4     640
 4831.88  638.41  5137.6  623.12 5234.53   619.7  5829.2  614.61 5939.18     614
  7706.4     614 7805.19  614.35  7851.8  614.35 7952.46     615 8299.19     615
 8299.19  613.24 8455.78  613.24 8455.78     610 9089.59     610  9261.1  609.29
 9682.39  604.37 9865.08  602.02 9879.99   601.810066.41     60010670.39     600
10805.59  571.6510905.59  571.6511105.59     60011551.59  602.9913067.98  608.92
13246.38  609.4113460.45  621.2613513.97  630.5613674.53   651.913959.97  661.76
14102.69  663.5914138.37  662.8814405.97  660.1814423.81  660.4914637.88  666.41
14851.96     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510670.39     .1511105.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10670.3911105.59               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1306066.00   77166.85   500528.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1306066.00   77166.85   500528.90
  Q Total (cfs)           206224.30    Flow (cfs)              139547.90   10507.73   56168.65
  Top Width (ft)          14851.96    Top Width (ft)          10670.39     435.20    3746.37
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.23    Hydr. Depth (ft)          122.40     177.31     133.60
  Conv. Total (cfs)       469958100.0    Conv. (cfs)            318011400.0   23945730.0   128001000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10717.76     440.14    3816.00
  Min Ch El (ft)            571.65    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8208.46     526.69    3279.96
  C & E Loss (ft)             0.00    Cum SA (acres)             65.25       2.88      24.38


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1428.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.82  680.48     604  679.96  988.03  676.12 1006.67  676.04
 1284.44   677.9 1308.67  677.86 1976.05  667.38 2013.34   667.2 2173.66   669.6
 2214.67     670 2766.48     670 2818.67  669.63  3754.5  650.91 3825.34     650
 4446.12     650 4530.01     647 4544.93  645.51 4630.68     640 4742.53     640
 4832.01   638.4 5137.74  623.11 5234.68   619.7 5829.36  614.61 5939.35     614
 7706.61     614 7805.42  614.35 7852.02  614.35 7952.69     615 8299.43     615
 8299.43  613.23 8456.02  613.23 8456.02     610 9089.85     610 9261.36  609.28
 9682.67  604.37 9865.36  602.02 9880.27   601.810066.69     600 10670.7     600
10806.04  571.6510906.04  571.6511106.04     60011552.17  602.9913068.98  608.92
13247.43  609.4113461.57  621.3113515.11   630.613675.71  651.9113961.23  661.77
14103.99  663.5914139.68  662.8714407.35  660.18 14425.2  660.4914639.33  666.43
14853.47     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10670.7     .1511106.04     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10670.711106.04               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1306114.00   77191.16   500652.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1306114.00   77191.16   500652.50
  Q Total (cfs)           206224.30    Flow (cfs)              139538.90   10509.95   56175.45
  Top Width (ft)          14853.47    Top Width (ft)          10670.70     435.34    3747.43
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.23    Hydr. Depth (ft)          122.40     177.31     133.60
  Conv. Total (cfs)       470008300.0    Conv. (cfs)            318024800.0   23953340.0   128030100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10718.08     440.28    3817.06
  Min Ch El (ft)            571.65    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8193.47     525.81    3274.22
  C & E Loss (ft)             0.00    Cum SA (acres)             65.13       2.87      24.34


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1427.5*

INPUT
Description:
Station Elevation Data    num=      56
```

```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.83  680.48  604.02  679.96  988.06  676.12  1006.7  676.04
 1284.47   677.9 1308.71  677.86 1976.11  667.38  2013.4   667.2 2173.72  669.61
 2214.74     670 2766.55     670 2818.75  669.62 3754.61  650.91 3825.45     650
 4446.25     650 4530.14  646.99 4545.05  645.49 4630.81     640 4742.67     640
 4832.15  638.39 5137.89  623.11 5234.83   619.7 5829.53   614.6 5939.52     614
 7706.83     614 7805.64  614.35 7852.24  614.35 7952.91     615 8299.66     615
 8299.66  613.23 8456.26  613.23 8456.26     610 9090.11     610 9261.62  609.28
 9682.94  604.37 9865.64  602.02 9880.55  601.7910066.98     600   10671     600
 10806.5  571.65 10906.5  571.65 11106.5     60011552.74     60313069.99  608.92
13248.49  609.4113462.69  621.3613516.24  630.6513676.89  651.9213962.49  661.77
14105.29  663.5814140.99  662.8714408.74  660.1814426.59   660.514640.79  666.46
14854.99     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10671     .15 11106.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10671 11106.5               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1306162.00   77219.03   500762.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1306162.00   77219.03   500762.90
  Q Total (cfs)           206224.30    Flow (cfs)              139531.30   10512.75   56180.26
  Top Width (ft)          14854.99    Top Width (ft)          10671.00     435.50    3748.49
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.23    Hydr. Depth (ft)          122.40     177.31     133.59
  Conv. Total (cfs)       470054200.0    Conv. (cfs)            318038500.0   23962070.0   128053600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10718.38     440.43    3818.11
  Min Ch El (ft)            571.65    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8178.48     524.92    3268.47
  C & E Loss (ft)             0.00    Cum SA (acres)             65.01       2.87      24.30


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1427.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.85  680.48  604.04  679.96  988.08  676.12 1006.73  676.04
 1284.51   677.9 1308.74  677.86 1976.17  667.37 2013.45   667.2 2173.78  669.61
  2214.8     670 2766.63     670 2818.83  669.62 3754.72  650.91 3825.56     650
 4446.37     650 4530.27  646.97 4545.18  645.48 4630.94     640  4742.8     640
 4832.29  638.39 5138.03   623.1 5234.98   619.7 5829.69   614.6 5939.69     614
 7707.05     614 7805.86  614.36 7852.47  614.36 7953.14     615  8299.9     615
  8299.9  613.22  8456.5  613.22  8456.5     610 9090.37     610 9261.88  609.28
 9683.22  604.36 9865.92  602.01 9880.83  601.7910067.26     600 10671.3     600
10806.95  571.6410906.95  571.6411106.95     60011553.32     603   13071  608.93
13249.55  609.4113463.81  621.4113517.37  630.6913678.07  651.9313963.75  661.78
14106.59  663.57 14142.3  662.8614410.12  660.1814427.98   660.514642.24  666.49
 14856.5     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10671.3     .1511106.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10671.311106.95               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1306210.00   77247.89   500876.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1306210.00   77247.89   500876.80
  Q Total (cfs)           206224.30    Flow (cfs)              139523.00   10515.83   56185.50
  Top Width (ft)          14856.50    Top Width (ft)          10671.30     435.65    3749.55
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.24    Hydr. Depth (ft)          122.40     177.32     133.58
  Conv. Total (cfs)       470102100.0    Conv. (cfs)            318052000.0   23971530.0   128078600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10718.67     440.58    3819.16
  Min Ch El (ft)            571.64    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8163.49     524.03    3262.72
  C & E Loss (ft)             0.00    Cum SA (acres)             64.89       2.86      24.25


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1426.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.87  680.48  604.05  679.96  988.11  676.12 1006.75  676.05
 1284.54   677.9 1308.78  677.86 1976.22  667.37 2013.51   667.2 2173.84  669.61
 2214.86     670 2766.71     670 2818.91  669.62 3754.82   650.9 3825.67     650
  4446.5     650  4530.4  646.96 4545.31  645.47 4631.07     640 4742.93     640
 4832.42  638.38 5138.18  623.09 5235.12   619.7 5829.86   614.6 5939.85     614
 7707.27     614 7806.08  614.36 7852.69  614.36 7953.36     615 8300.13     615
 8300.13  613.21 8456.74  613.21 8456.74     610 9090.62     610 9262.14  609.27
 9683.49  604.36  9866.2  602.01 9881.11  601.7810067.55     600 10671.6     600
 10807.4  571.64 10907.4  571.64 11107.4     600 11553.9  603.01   13072  608.93
 13250.6  609.4213464.92  621.46 13518.5  630.7413679.25  651.93   13965  661.79
14107.88  663.5714143.61  662.85 14411.5  660.1814429.37   660.514643.69  666.52
```

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14858.01     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10671.6     .15 11107.4     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10671.6 11107.4               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1306260.00   77274.07   500987.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1306260.00   77274.07   500987.20
  Q Total (cfs)           206224.30    Flow (cfs)              139515.60   10518.39   56190.30
  Top Width (ft)          14858.01    Top Width (ft)          10671.60     435.80    3750.61
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.24    Hydr. Depth (ft)          122.41     177.32     133.57
  Conv. Total (cfs)       470148500.0    Conv. (cfs)            318066600.0   23979730.0   128102200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10718.97     440.73    3820.21
  Min Ch El (ft)            571.64    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8148.49     523.15    3256.97
  C & E Loss (ft)             0.00    Cum SA (acres)             64.76       2.86      24.21


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1426.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.88  680.47  604.07  679.96  988.14  676.12 1006.78  676.05
 1284.58   677.9 1308.82  677.86 1976.28  667.37 2013.57   667.2 2173.91  669.61
 2214.92     670 2766.79     670 2818.99  669.62 3754.93   650.9 3825.78     650
 4446.63     650 4530.52  646.95 4545.44  645.46  4631.2     640 4743.07     640
 4832.56  638.37 5138.32  623.08 5235.27   619.7 5830.02   614.6 5940.02     614
 7707.49     614  7806.3  614.36 7852.91  614.36 7953.59     615 8300.37     615
 8300.37   613.2 8456.98   613.2 8456.98     610 9090.88     610 9262.41  609.27
 9683.76  604.36 9866.48     602 9881.39  601.7810067.83     600 10671.9     600
10807.86  571.6410907.86  571.6411107.86     60011554.48  603.0113073.01  608.93
13251.66  609.4213466.04   621.513519.64  630.7913680.42  651.9413966.26   661.8
14109.18  663.5614144.91  662.8514412.89  660.1814430.75   660.514645.14  666.54
14859.52     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10671.9     .1511107.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10671.911107.86               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1306308.00   77301.77   501108.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1306308.00   77301.77   501108.80
  Q Total (cfs)           206224.30    Flow (cfs)              139506.50   10521.06   56196.75
  Top Width (ft)          14859.52    Top Width (ft)          10671.90     435.96    3751.66
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.24    Hydr. Depth (ft)          122.41     177.31     133.57
  Conv. Total (cfs)       470199000.0    Conv. (cfs)            318079900.0   23988410.0   128130700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10719.27     440.89    3821.26
  Min Ch El (ft)            571.64    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8133.50     522.26    3251.22
  C & E Loss (ft)             0.00    Cum SA (acres)             64.64       2.85      24.17


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1425.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   592.9  680.47  604.09  679.96  988.17  676.12 1006.81  676.05
 1284.62   677.9 1308.86  677.86 1976.33  667.37 2013.62   667.2 2173.97  669.61
 2214.99     670 2766.87     670 2819.07  669.62 3755.04   650.9 3825.89     650
 4446.75     650 4530.65  646.93 4545.57  645.44 4631.33     640  4743.2     640
  4832.7  638.37 5138.47  623.08 5235.42   619.7 5830.19   614.6 5940.19     614
  7707.7     614 7806.52  614.36 7853.13  614.36 7953.81     615  8300.6     615
  8300.6  613.19 8457.22  613.19 8457.22     610 9091.14     610 9262.67  609.27
 9684.04  604.35 9866.76     602 9881.67  601.7710068.12     60010672.21     600
10808.31  571.6410908.31  571.6411108.31     60011555.06  603.0213074.02  608.94
13252.72  609.4213467.16  621.5513520.77  630.83 13681.6  651.9513967.52  661.81
14110.48  663.5614146.22  662.8414414.27  660.1814432.14  660.5114646.59  666.57
14861.03     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510672.21     .1511108.31     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10672.2111108.31               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
```

```
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1306353.00   77326.08   501211.00
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1306353.00   77326.08   501211.00
  Q Total (cfs)          206224.30    Flow (cfs)              139500.10   10523.51   56200.74
  Top Width (ft)         14861.03    Top Width (ft)          10672.21     436.10    3752.72
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        188.24    Hydr. Depth (ft)          122.41     177.31     133.56
  Conv. Total (cfs)      470238900.0    Conv. (cfs)            318092300.0   23996020.0   128150600.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10719.58     441.02    3822.31
  Min Ch El (ft)           571.64    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     8118.50     521.37    3245.47
  C & E Loss (ft)            0.00    Cum SA (acres)             64.52       2.85      24.13


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1425.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.92  680.47   604.1  679.96   988.2  676.12 1006.84  676.05
 1284.65   677.9 1308.89  677.86 1976.39  667.37 2013.68  667.21 2174.03  669.61
 2215.05     670 2766.95     670 2819.15  669.62 3755.14   650.9 3825.99     650
 4446.88     650 4530.78  646.92  4545.7  645.43 4631.47     640 4743.34     640
 4832.83  638.36 5138.61  623.07 5235.57   619.7 5830.35   614.6 5940.36     614
 7707.92     614 7806.74  614.36 7853.35  614.36 7954.04     615 8300.84     615
 8300.84  613.19 8457.46  613.19 8457.46     610  9091.4     610 9262.93  609.27
 9684.31  604.35 9867.04  601.99 9881.95  601.77 10068.4     60010672.51     600
10808.76  571.6410908.76  571.6411108.76     60011555.64  603.0213075.03  608.94
13253.78  609.4213468.28   621.6 13521.9  630.8813682.78  651.9613968.78  661.81
14111.78  663.5514147.53  662.8314415.66  660.1814433.54  660.5114648.04   666.6
14862.54     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510672.51     .1511108.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10672.5111108.76               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1306395.00   77352.26   501334.30
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1306395.00   77352.26   501334.30
  Q Total (cfs)          206224.30    Flow (cfs)              139490.60   10526.02   56207.70
  Top Width (ft)         14862.54    Top Width (ft)          10672.51     436.25    3753.78
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        188.24    Hydr. Depth (ft)          122.41     177.31     133.55
  Conv. Total (cfs)      470287300.0    Conv. (cfs)            318103400.0   24004220.0   128179700.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10719.88     441.17    3823.36
  Min Ch El (ft)           571.64    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     8103.51     520.49    3239.71
  C & E Loss (ft)            0.00    Cum SA (acres)             64.40       2.84      24.08


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1424.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.93  680.47  604.12  679.96  988.22  676.12 1006.87  676.05
 1284.69   677.9 1308.93  677.86 1976.45  667.37 2013.74  667.21 2174.09  669.61
 2215.11     670 2767.02     670 2819.23  669.62 3755.25   650.9  3826.1     650
    4447     650 4530.91  646.91 4545.83  645.42  4631.6     640 4743.47     640
 4832.97  638.35 5138.76  623.06 5235.72  619.69 5830.52   614.6 5940.53     614
 7708.14     614 7806.96  614.36 7853.58  614.36 7954.26     615 8301.07     615
 8301.07  613.18  8457.7  613.18  8457.7     610 9091.65     610 9263.19  609.26
 9684.59  604.35 9867.31  601.99 9882.23  601.7710068.69     60010672.81     600
10809.21  571.6410909.21  571.6411109.21     60011556.22  603.0213076.03  608.94
13254.83  609.42 13469.4  621.6513523.04  630.9213683.96  651.9713970.04  661.82
14113.08  663.5414148.84  662.8314417.04  660.1814434.92  660.5114649.49  666.63
14864.05     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510672.81     .1511109.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10672.8111109.21               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1306445.00   77378.44   501455.20
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1306445.00   77378.44   501455.20
  Q Total (cfs)          206224.30    Flow (cfs)              139481.80   10528.49   56213.96
  Top Width (ft)         14864.05    Top Width (ft)          10672.81     436.40    3754.84
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        188.24    Hydr. Depth (ft)          122.41     177.31     133.55
  Conv. Total (cfs)      470337600.0    Conv. (cfs)            318117500.0   24012420.0   128207700.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10720.18     441.32    3824.42
  Min Ch El (ft)           571.64    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
```

```
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     8088.51     519.60    3233.96
  C & E Loss (ft)            0.00    Cum SA (acres)             64.27       2.84      24.04

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1424.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.95  680.47  604.14  679.96  988.25  676.12  1006.9  676.05
 1284.73   677.9 1308.97  677.86  1976.5  667.37 2013.79  667.21 2174.15  669.61
 2215.17     670  2767.1     670 2819.31  669.61 3755.35  650.89 3826.21     650
 4447.13     650 4531.04   646.9 4545.96   645.4 4631.73     640 4743.61     640
 4833.11  638.34 5138.91  623.05 5235.87  619.69 5830.68  614.59 5940.69     614
 7708.36     614 7807.18  614.37  7853.8  614.37 7954.49     615 8301.31     615
 8301.31  613.17 8457.94  613.17 8457.94     610 9091.91     610 9263.46  609.26
 9684.86  604.34 9867.59  601.99 9882.51  601.7610068.97     60010673.11     600
10809.67  571.6310909.67  571.6311109.67     600 11556.8  603.0313077.04  608.94
13255.89  609.4213470.51   621.713524.17  630.9713685.14  651.97 13971.3  661.83
14114.38  663.5414150.15  662.8214418.43  660.1814436.31  660.5114650.94  666.65
14865.56     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510673.11     .1511109.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10673.1111109.67               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1306505.00   77408.83   501568.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1306505.00   77408.83   501568.30
  Q Total (cfs)           206224.30    Flow (cfs)              139474.10   10531.66   56218.52
  Top Width (ft)          14865.56    Top Width (ft)          10673.11     436.56    3755.89
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.25    Hydr. Depth (ft)          122.41     177.32     133.54
  Conv. Total (cfs)       470390800.0    Conv. (cfs)             318135900.0   24022360.0   128232600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10720.48     441.48    3825.46
  Min Ch El (ft)            571.63    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8073.52     518.71    3228.20
  C & E Loss (ft)             0.00    Cum SA (acres)             64.15       2.83      24.00

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1423.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.97  680.47  604.16  679.96  988.28  676.12 1006.93  676.05
 1284.76   677.9    1309  677.86 1976.56  667.37 2013.85  667.21 2174.21  669.61
 2215.24     670 2767.18     670 2819.39  669.61 3755.46  650.89 3826.32     650
 4447.26     650 4531.17  646.88 4546.08  645.39 4631.86     640 4743.74     640
 4833.24  638.34 5139.05  623.05 5236.01  619.69 5830.85  614.59 5940.86     614
 7708.58     614  7807.4  614.37 7854.02  614.37 7954.71     615 8301.54     615
 8301.54  613.16 8458.18  613.16 8458.18     610 9092.17     610 9263.72  609.26
 9685.13  604.34 9867.87  601.98 9882.79  601.7610069.26     60010673.41     600
10810.12  571.6310910.12  571.6311110.12     60011557.38  603.0313078.05  608.95
13256.95  609.4213471.63  621.75 13525.3  631.0113686.31  651.9813972.56  661.84
14115.68  663.5314151.46  662.8114419.81  660.18 14437.7  660.5114652.39  666.68
14867.07     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510673.41     .1511110.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10673.4111110.12               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1306545.00   77435.01   501682.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1306545.00   77435.01   501682.00
  Q Total (cfs)           206224.30    Flow (cfs)              139465.80   10534.27   56224.21
  Top Width (ft)          14867.07    Top Width (ft)          10673.41     436.71    3756.95
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.25    Hydr. Depth (ft)          122.41     177.31     133.53
  Conv. Total (cfs)       470434400.0    Conv. (cfs)             318146400.0   24030560.0   128257500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10720.78     441.62    3826.51
  Min Ch El (ft)            571.63    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8058.52     517.82    3222.44
  C & E Loss (ft)             0.00    Cum SA (acres)             64.03       2.83      23.95

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1423.*
```

```
INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.98  680.47  604.17  679.96  988.31  676.12 1006.95  676.05
  1284.8   677.9 1309.04  677.86 1976.61  667.37 2013.91  667.21 2174.28  669.61
  2215.3     670 2767.26     670 2819.47  669.61 3755.57  650.89 3826.43     650
 4447.38     650 4531.29  646.87 4546.21  645.38 4631.99     640 4743.87     640
 4833.38  638.33  5139.2  623.04 5236.16  619.69 5831.01  614.59 5941.03     614
 7708.79     614 7807.63  614.37 7854.24  614.37 7954.94     615 8301.78     615
 8301.78  613.16 8458.42  613.16 8458.42     610 9092.42     610 9263.98  609.25
 9685.41  604.34 9868.15  601.98 9883.07  601.7510069.54     60010673.72     600
10810.57  571.6310910.57  571.6311110.57     60011557.96  603.0413079.05  608.95
13258.01  609.4313472.75  621.7913526.43  631.0613687.49  651.9913973.82  661.84
14116.98  663.5314152.77  662.81 14421.2  660.1814439.09  660.5214653.84  666.71
14868.58     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510673.72     .1511110.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10673.7211110.57               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1306593.00   77459.48   501791.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1306593.00   77459.48   501791.30
  Q Total (cfs)           206224.30    Flow (cfs)              139458.60   10536.65   56229.07
  Top Width (ft)          14868.58    Top Width (ft)          10673.72     436.85    3758.01
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.25    Hydr. Depth (ft)          122.41     177.31     133.53
  Conv. Total (cfs)       470478200.0    Conv. (cfs)            318159500.0   24038220.0   128280500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10721.09     441.76    3827.57
  Min Ch El (ft)            571.63    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8043.52     516.93    3216.68
  C & E Loss (ft)             0.00    Cum SA (acres)             63.91       2.82      23.91


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1422.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     593  680.47  604.19  679.96  988.34  676.12 1006.98  676.05
 1284.84   677.9 1309.08  677.86 1976.67  667.37 2013.97  667.21 2174.34  669.62
 2215.36     670 2767.34     670 2819.55  669.61 3755.67  650.89 3826.53     650
 4447.51     650 4531.42  646.86 4546.34  645.37 4632.12     640 4744.01     640
 4833.52  638.32 5139.34  623.03 5236.31  619.69 5831.18  614.59  5941.2     614
 7709.01     614 7807.85  614.37 7854.47  614.37 7955.16     615 8302.01     615
 8302.01  613.15 8458.66  613.15 8458.66     610 9092.68     610 9264.24  609.25
 9685.68  604.33 9868.43  601.97 9883.35  601.7510069.83     60010674.02     600
10811.03  571.6310911.03  571.6311111.03     60011558.54  603.0413080.06  608.95
13259.06  609.4313473.87  621.8413527.57   631.113688.67     65213975.08  661.85
14118.28  663.5214154.08   662.814422.58  660.1714440.48  660.5214655.29  666.74
14870.09     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510674.02     .1511111.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10674.0211111.03               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1306639.00   77487.36   501913.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1306639.00   77487.36   501913.50
  Q Total (cfs)           206224.30    Flow (cfs)              139449.30   10539.35   56235.68
  Top Width (ft)          14870.09    Top Width (ft)          10674.02     437.01    3759.06
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.25    Hydr. Depth (ft)          122.41     177.31     133.52
  Conv. Total (cfs)       470528500.0    Conv. (cfs)            318172300.0   24046950.0   128309300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10721.39     441.92    3828.61
  Min Ch El (ft)            571.63    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8028.52     516.04    3210.92
  C & E Loss (ft)             0.00    Cum SA (acres)             63.78       2.82      23.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1422.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.02  680.47  604.21  679.96  988.36  676.12 1007.01  676.05
 1284.87   677.9 1309.11  677.86 1976.73  667.37 2014.02  667.21  2174.4  669.62
 2215.43     670 2767.42     670 2819.63  669.61 3755.78  650.88 3826.64     650
 4447.63     650 4531.55  646.84 4546.47  645.35 4632.25     640 4744.14     640
 4833.65  638.32 5139.49  623.03 5236.46  619.69 5831.34  614.59 5941.37     614
 7709.23     614 7808.07  614.37 7854.69  614.37 7955.39     615 8302.25     615
 8302.25  613.14  8458.9  613.14  8458.9     610 9092.94     610  9264.5  609.25
 9685.96  604.33 9868.71  601.97 9883.63  601.7510070.11     60010674.32     600
```

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10811.48  571.6310911.48  571.6311111.48     60011559.11  603.0513081.07  608.95
13260.12  609.4313474.99  621.89 13528.7  631.1513689.85  652.0113976.33  661.86
14119.58  663.5114155.39  662.7914423.97  660.1714441.87  660.5214656.74  666.76
 14871.6     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510674.32     .1511111.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10674.3211111.48               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1306684.00   77513.37   502026.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1306684.00   77513.37   502026.80
  Q Total (cfs)           206224.30    Flow (cfs)              139441.30   10541.91   56241.11
  Top Width (ft)          14871.60    Top Width (ft)          10674.32     437.16    3760.12
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.25    Hydr. Depth (ft)          122.41     177.31     133.51
  Conv. Total (cfs)       470573800.0    Conv. (cfs)            318184700.0   24055100.0   128334000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10721.69     442.07    3829.66
  Min Ch El (ft)            571.63    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8013.53     515.15    3205.16
  C & E Loss (ft)             0.00    Cum SA (acres)             63.66       2.81      23.82


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1421.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.03  680.46  604.22  679.96  988.39  676.12 1007.04  676.05
 1284.91   677.9 1309.15  677.86 1976.78  667.36 2014.08  667.21 2174.46  669.62
 2215.49     670 2767.49     670 2819.71  669.61 3755.89  650.88 3826.75     650
 4447.76     650 4531.68  646.83  4546.6  645.34 4632.38     640 4744.28     640
 4833.79  638.31 5139.63  623.02 5236.61  619.69 5831.51  614.59 5941.54     614
 7709.45     614 7808.29  614.37 7854.91  614.37 7955.61     615 8302.48     615
 8302.48  613.13 8459.13  613.13 8459.13     610  9093.2     610 9264.77  609.24
 9686.23  604.33 9868.99  601.97 9883.91  601.74 10070.4     60010674.62     600
10811.93  571.6310911.93  571.6311111.93     60011559.69  603.0513082.07  608.96
13261.18  609.43 13476.1  621.9413529.83  631.1913691.03  652.0113977.59  661.87
14120.88  663.51 14156.7  662.7914425.35  660.1714443.26  660.5214658.19  666.79
14873.11     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510674.62     .1511111.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10674.6211111.93               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1306738.00   77539.38   502140.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1306738.00   77539.38   502140.40
  Q Total (cfs)           206224.30    Flow (cfs)              139433.80   10544.38   56246.15
  Top Width (ft)          14873.11    Top Width (ft)          10674.62     437.31    3761.18
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.25    Hydr. Depth (ft)          122.42     177.31     133.51
  Conv. Total (cfs)       470622800.0    Conv. (cfs)            318200700.0   24063240.0   128358900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10721.99     442.21    3830.72
  Min Ch El (ft)            571.63    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7998.53     514.26    3199.40
  C & E Loss (ft)             0.00    Cum SA (acres)             63.54       2.81      23.78


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1421.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.05  680.46  604.24  679.96  988.42  676.12 1007.07  676.05
 1284.94   677.9 1309.19  677.86 1976.84  667.36 2014.14  667.21 2174.52  669.62
 2215.55     670 2767.57     670 2819.79   669.6 3755.99  650.88 3826.86     650
 4447.89     650 4531.81  646.82 4546.73  645.33 4632.51     640 4744.41     640
 4833.93   638.3 5139.78  623.01 5236.76  619.68 5831.67  614.59  5941.7     614
 7709.67     614 7808.51  614.37 7855.13  614.37 7955.84     615 8302.72     615
 8302.72  613.13 8459.37  613.13 8459.37     610 9093.45     610 9265.03  609.24
 9686.51  604.32 9869.27  601.96 9884.19  601.7410070.68     60010674.92     600
10812.39  571.6310912.39  571.6311112.39     60011560.27  603.0613083.08  608.96
13262.24  609.4313477.22  621.9913530.97  631.2413692.21  652.0213978.85  661.87
14122.17   663.514158.01  662.7814426.74  660.1714444.65  660.5214659.64  666.82
14874.62     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510674.92     .1511112.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10674.9211112.39               .5      .5      .5             .1       .3
```

```
CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1306792.00   77567.26   502252.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1306792.00   77567.26   502252.30
  Q Total (cfs)           206224.30    Flow (cfs)              139426.20   10547.11   56250.98
  Top Width (ft)          14874.62    Top Width (ft)          10674.92     437.47    3762.23
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.25    Hydr. Depth (ft)          122.42     177.31     133.50
  Conv. Total (cfs)       470671800.0    Conv. (cfs)            318216600.0   24071970.0   128383300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10722.29     442.37    3831.76
  Min Ch El (ft)            571.63    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7983.53     513.37    3193.63
  C & E Loss (ft)             0.00    Cum SA (acres)             63.42       2.80      23.74


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1420.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.07  680.46  604.26  679.96  988.45  676.12  1007.1  676.05
 1284.98   677.9 1309.23  677.86 1976.89  667.36 2014.19  667.21 2174.58  669.62
 2215.61     670 2767.65     670 2819.87   669.6  3756.1  650.88 3826.97     650
 4448.01     650 4531.94  646.81 4546.86  645.31 4632.65     640 4744.55     640
 4834.06   638.3 5139.92     623  5236.9  619.68 5831.84  614.58 5941.87     614
 7709.89     614 7808.73  614.38 7855.36  614.38 7956.06     615 8302.95     615
 8302.95  613.12 8459.61  613.12 8459.61     610 9093.71     610 9265.29  609.24
 9686.78  604.32 9869.55  601.96 9884.47  601.7310070.97     60010675.23     600
10812.84  571.6210912.84  571.6211112.84     60011560.85  603.0613084.09  608.96
13263.29  609.4313478.34  622.04 13532.1  631.2813693.38  652.0313980.11  661.88
14123.47   663.514159.32  662.7714428.12  660.1714446.04  660.5314661.09  666.85
14876.13     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510675.23     .1511112.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10675.2311112.84               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1306838.00   77594.26   502372.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1306838.00   77594.26   502372.20
  Q Total (cfs)           206224.30    Flow (cfs)              139417.20   10549.89   56257.18
  Top Width (ft)          14876.13    Top Width (ft)          10675.23     437.61    3763.29
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.26    Hydr. Depth (ft)          122.42     177.31     133.49
  Conv. Total (cfs)       470721000.0    Conv. (cfs)            318229300.0   24080850.0   128410800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10722.60     442.51    3832.81
  Min Ch El (ft)            571.62    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7968.53     512.48    3187.87
  C & E Loss (ft)             0.00    Cum SA (acres)             63.29       2.80      23.69


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1420.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.08  680.46  604.28  679.96  988.47  676.12 1007.13  676.05
 1285.02   677.9 1309.26  677.85 1976.95  667.36 2014.25  667.21 2174.64  669.62
 2215.68     670 2767.73     670 2819.95   669.6  3756.2  650.88 3827.08     650
 4448.14     650 4532.06  646.79 4546.98   645.3 4632.78     640 4744.68     640
  4834.2  638.29 5140.07     623 5237.05  619.68    5832  614.58 5942.04     614
  7710.1     614 7808.95  614.38 7855.58  614.38 7956.29     615 8303.19     615
 8303.19  613.11 8459.85  613.11 8459.85     610 9093.97     610 9265.55  609.24
 9687.05  604.32 9869.83  601.95 9884.75  601.7310071.25     60010675.53     600
10813.29  571.6210913.29  571.6211113.29     60011561.43  603.07 13085.1  608.96
13264.35  609.4313479.46  622.0813533.23  631.3313694.56  652.0413981.37  661.89
14124.77  663.4914160.62  662.7714429.51  660.1714447.43  660.5314662.54  666.87
14877.64     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510675.53     .1511113.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10675.5311113.29               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1306884.00   77620.44   502485.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1306884.00   77620.44   502485.40
  Q Total (cfs)           206224.30    Flow (cfs)              139409.30   10552.46   56262.52
  Top Width (ft)          14877.64    Top Width (ft)          10675.53     437.76    3764.35
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.26    Hydr. Depth (ft)          122.42     177.31     133.49
  Conv. Total (cfs)       470766800.0    Conv. (cfs)            318242200.0   24089050.0   128435500.0
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  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10722.90     442.66    3833.87
  Min Ch El (ft)           571.62    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     7953.53     511.59    3182.10
  C & E Loss (ft)            0.00    Cum SA (acres)             63.17       2.79      23.65


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1419.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   593.1  680.46  604.29  679.96   988.5  676.11 1007.15  676.05
 1285.05   677.9  1309.3  677.85 1977.01  667.36 2014.31  667.21 2174.71  669.62
 2215.74     670 2767.81     670 2820.03   669.6 3756.31  650.87 3827.18     650
 4448.26     650 4532.19  646.78 4547.11  645.29 4632.91     640 4744.81     640
 4834.34  638.28 5140.21  622.99  5237.2  619.68 5832.17  614.58 5942.21     614
 7710.32     614 7809.17  614.38  7855.8  614.38 7956.52     615 8303.42     615
 8303.42   613.1 8460.09   613.1 8460.09     610 9094.23     610 9265.82  609.23
 9687.33  604.31 9870.11  601.95 9885.03  601.7210071.54     60010675.83     600
10813.75  571.6210913.75  571.6211113.75     60011562.01  603.07 13086.1  608.97
13265.41  609.4413480.57  622.1313534.37  631.3713695.74  652.0513982.63   661.9
14126.07  663.4814161.93  662.7614430.89  660.1714448.82  660.5314663.99   666.9
14879.15     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510675.83     .1511113.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10675.8311113.75               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1306941.00   77648.31   502595.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)           1306941.00   77648.31   502595.70
  Q Total (cfs)           206224.30    Flow (cfs)             139402.20   10555.17   56266.96
  Top Width (ft)          14879.15    Top Width (ft)          10675.83     437.92    3765.40
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.26    Hydr. Depth (ft)          122.42     177.31     133.48
  Conv. Total (cfs)       470816300.0    Conv. (cfs)           318259400.0   24097780.0   128459200.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10723.20     442.81    3834.91
  Min Ch El (ft)           571.62    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     7938.53     510.70    3176.33
  C & E Loss (ft)            0.00    Cum SA (acres)             63.05       2.79      23.61


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1419.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.12  680.46  604.31  679.96  988.53  676.11 1007.18  676.05
 1285.09   677.9 1309.34  677.85 1977.06  667.36 2014.36  667.22 2174.77  669.62
  2215.8     670 2767.89     670 2820.11   669.6 3756.42  650.87 3827.29     650
 4448.39     650 4532.32  646.77 4547.24  645.28 4633.04     640 4744.95     640
 4834.48  638.28 5140.36  622.98 5237.35  619.68 5832.33  614.58 5942.38     614
 7710.54     614 7809.39  614.38 7856.02  614.38 7956.74     615 8303.66     615
 8303.66   613.1 8460.33   613.1 8460.33     610 9094.48     610 9266.08  609.23
  9687.6  604.31 9870.39  601.94 9885.31  601.7210071.82     60010676.13     600
 10814.2  571.62 10914.2  571.62 11114.2     60011562.59  603.0813087.11  608.97
13266.46  609.4413481.69  622.18 13535.5  631.4213696.92  652.0613983.89   661.9
14127.37  663.4814163.24  662.7514432.28  660.1714450.21  660.5314665.44  666.93
14880.67     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510676.13     .15 11114.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10676.13 11114.2               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1306981.00   77674.49   502708.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)           1306981.00   77674.49   502708.80
  Q Total (cfs)           206224.30    Flow (cfs)             139393.90   10557.80   56272.56
  Top Width (ft)          14880.67    Top Width (ft)          10676.13     438.07    3766.47
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.26    Hydr. Depth (ft)          122.42     177.31     133.47
  Conv. Total (cfs)       470859100.0    Conv. (cfs)           318269500.0   24105970.0   128483600.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10723.50     442.96    3835.97
  Min Ch El (ft)           571.62    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     7923.52     509.81    3170.56
  C & E Loss (ft)            0.00    Cum SA (acres)             62.93       2.78      23.56


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 1418.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  593.14  680.46  604.33  679.96  988.56  676.11 1007.21  676.05
  1285.13   677.9 1309.37  677.85 1977.12  667.36 2014.42  667.22 2174.83  669.62
  2215.86     670 2767.96     670 2820.19   669.6 3756.52  650.87  3827.4     650
  4448.51     650 4532.45  646.76 4547.37  645.26 4633.17     640 4745.08     640
  4834.61  638.27 5140.51  622.97  5237.5  619.68  5832.5  614.58 5942.54     614
  7710.76     614 7809.61  614.38 7856.24  614.38 7956.97     615 8303.89     615
  8303.89  613.09 8460.57  613.09 8460.57     610 9094.74     610 9266.34  609.23
  9687.88  604.31 9870.67  601.94 9885.59  601.7210072.11     60010676.43     600
 10814.65  571.6210914.65  571.6211114.65     60011563.17  603.0813088.12  608.97
 13267.52  609.4413482.81  622.2313536.63  631.47 13698.1  652.0613985.15  661.91
 14128.67  663.4714164.55  662.7514433.66  660.17 14451.6  660.5414666.89  666.96
 14882.17     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1510676.43     .1511114.65     .15

Bank Sta: Left   Right     Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10676.4311114.65                .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1307025.00   77700.67   502828.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1307025.00   77700.67   502828.70
  Q Total (cfs)           206224.30    Flow (cfs)              139385.00   10560.32   56279.02
  Top Width (ft)          14882.17    Top Width (ft)          10676.43     438.22    3767.52
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.26    Hydr. Depth (ft)          122.42     177.31     133.46
  Conv. Total (cfs)       470906900.0    Conv. (cfs)            318281300.0   24114170.0   128511400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10723.80     443.11    3837.01
  Min Ch El (ft)            571.62    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7908.52     508.92    3164.79
  C & E Loss (ft)             0.00    Cum SA (acres)             62.80       2.78      23.52


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1418.*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  593.15  680.46  604.34  679.96  988.59  676.11 1007.24  676.05
  1285.16   677.9 1309.41  677.85 1977.17  667.36 2014.48  667.22 2174.89  669.62
  2215.93     670 2768.04     670 2820.27  669.59 3756.63  650.87 3827.51     650
  4448.64     650 4532.58  646.74  4547.5  645.25  4633.3     640 4745.22     640
  4834.75  638.26 5140.65  622.97 5237.64  619.68 5832.66  614.58 5942.71     614
  7710.98     614 7809.84  614.38 7856.47  614.38 7957.19     615 8304.13     615
  8304.13  613.08 8460.81  613.08 8460.81     610    9095     610  9266.6  609.22
  9688.15   604.3 9870.95  601.94 9885.87  601.7110072.39     60010676.74     600
 10815.11  571.6210915.11  571.6211115.11     60011563.75  603.0913089.12  608.97
 13268.58  609.4413483.93  622.2813537.76  631.5113699.28  652.0713986.41  661.92
 14129.97  663.4714165.86  662.7414435.04  660.1714452.99  660.5414668.34  666.98
 14883.69     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1510676.74     .1511115.11     .15

Bank Sta: Left   Right     Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10676.7411115.11                .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1307080.00   77726.68   502941.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1307080.00   77726.68   502941.40
  Q Total (cfs)           206224.30    Flow (cfs)              139377.60   10562.79   56283.88
  Top Width (ft)          14883.69    Top Width (ft)          10676.74     438.37    3768.58
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.26    Hydr. Depth (ft)          122.42     177.31     133.46
  Conv. Total (cfs)       470956000.0    Conv. (cfs)            318297800.0   24122310.0   128535900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10724.11     443.25    3838.07
  Min Ch El (ft)            571.62    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7893.52     508.02    3159.02
  C & E Loss (ft)             0.00    Cum SA (acres)             62.68       2.77      23.48


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1417.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  593.17  680.46  604.36  679.96  988.61  676.11 1007.27  676.05
   1285.2   677.9 1309.45  677.85 1977.23  667.36 2014.54  667.22 2174.95  669.62
  2215.99     670 2768.12     670 2820.35  669.59 3756.74  650.87 3827.62     650
  4448.77     650 4532.71  646.73 4547.63  645.24 4633.43     640 4745.35     640
  4834.89  638.26  5140.8  622.96 5237.79  619.68 5832.83  614.58 5942.88     614
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  7711.2     614 7810.06  614.39 7856.69  614.39 7957.42     615 8304.36     615
 8304.36  613.07 8461.05  613.07 8461.05     610 9095.26     610 9266.86  609.22
 9688.42   604.3 9871.22  601.93 9886.15  601.7110072.68     60010677.04     600
10815.56  571.6110915.56  571.6111115.56     60011564.33  603.0913090.13  608.98
13269.64  609.4413485.04  622.33 13538.9  631.5613700.45  652.0813987.66  661.93
14131.27  663.4614167.17  662.7314436.43  660.1714454.38  660.5414669.79  667.01
 14885.2     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510677.04     .1511115.56     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10677.0411115.56               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1307121.00   77755.38   503053.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1307121.00   77755.38   503053.80
  Q Total (cfs)           206224.30    Flow (cfs)              139369.10   10565.91   56289.25
  Top Width (ft)          14885.20    Top Width (ft)          10677.04     438.52    3769.64
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.27    Hydr. Depth (ft)          122.42     177.31     133.45
  Conv. Total (cfs)       471000300.0    Conv. (cfs)             318308300.0   24131730.0   128560300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10724.41     443.40    3839.12
  Min Ch El (ft)            571.61    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7878.51     507.13    3153.25
  C & E Loss (ft)             0.00    Cum SA (acres)             62.56       2.77      23.43


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1417.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.19  680.45  604.38  679.96  988.64  676.11  1007.3  676.05
 1285.24   677.9 1309.49  677.85 1977.29  667.36 2014.59  667.22 2175.01  669.63
 2216.05     670  2768.2     670 2820.43  669.59 3756.84  650.86 3827.73     650
 4448.89     650 4532.83  646.72 4547.76  645.22 4633.56     640 4745.49     640
 4835.02  638.25 5140.94  622.95 5237.94  619.67 5832.99  614.57 5943.05     614
 7711.41     614 7810.28  614.39 7856.91  614.39 7957.64     615  8304.6     615
  8304.6  613.07 8461.29  613.07 8461.29     610 9095.51     610 9267.13  609.22
  9688.7   604.3  9871.5  601.93 9886.43   601.710072.96     60010677.34     600
10816.01  571.6110916.01  571.6111116.01     600 11564.9   603.113091.14  608.98
 13270.7  609.4413486.16  622.3713540.03   631.613701.63  652.0913988.92  661.93
14132.57  663.4514168.48  662.7314437.81  660.1714455.77  660.5414671.24  667.04
14886.71     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510677.34     .1511116.01     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10677.3411116.01               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1307178.00   77781.56   503168.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1307178.00   77781.56   503168.00
  Q Total (cfs)           206224.30    Flow (cfs)              139361.70   10568.37   56294.21
  Top Width (ft)          14886.71    Top Width (ft)          10677.34     438.67    3770.70
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.27    Hydr. Depth (ft)          122.43     177.31     133.44
  Conv. Total (cfs)       471050800.0    Conv. (cfs)             318325500.0   24139920.0   128585400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10724.71     443.55    3840.18
  Min Ch El (ft)            571.61    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7863.51     506.24    3147.47
  C & E Loss (ft)             0.00    Cum SA (acres)             62.44       2.76      23.39


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1416.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   593.2  680.45  604.39  679.96  988.67  676.11 1007.32  676.05
 1285.27   677.9 1309.52  677.85 1977.34  667.36 2014.65  667.22 2175.08  669.63
 2216.11     670 2768.28     670 2820.51  669.59 3756.95  650.86 3827.83     650
 4449.02     650 4532.96   646.7 4547.89  645.21 4633.69     640 4745.62     640
 4835.16  638.24 5141.09  622.95 5238.09  619.67 5833.16  614.57 5943.22     614
 7711.63     614  7810.5  614.39 7857.13  614.39 7957.87     615 8304.83     615
 8304.83  613.06 8461.53  613.06 8461.53     610 9095.77     610 9267.39  609.21
 9688.97   604.3 9871.78  601.92 9886.71   601.710073.25     60010677.64     600
10816.46  571.6110916.46  571.6111116.46     60011565.48   603.113092.14  608.98
13271.75  609.4413487.28  622.4213541.16  631.6513702.81   652.113990.18  661.94
14133.87  663.4514169.79  662.72 14439.2  660.1714457.16  660.5414672.69  667.07
14888.22     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510677.64     .1511116.46     .15
```

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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10677.6411116.46               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1307224.00   77807.74   503288.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1307224.00   77807.74   503288.00
  Q Total (cfs)           206224.30    Flow (cfs)              139352.90   10570.87   56300.50
  Top Width (ft)          14888.22    Top Width (ft)          10677.64     438.82    3771.76
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.11       0.14       0.11
  Max Chl Dpth (ft)         188.27    Hydr. Depth (ft)          122.43     177.31     133.44
  Conv. Total (cfs)       471099300.0    Conv. (cfs)            318338200.0   24148120.0   128613000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10725.00     443.70    3841.23
  Min Ch El (ft)            571.61    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    7848.51     505.35    3141.69
  C & E Loss (ft)             0.00    Cum SA (acres)            62.31       2.76      23.35


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1416.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.22  680.45  604.41  679.96   988.7  676.11 1007.35  676.05
 1285.31   677.9 1309.56  677.85  1977.4  667.36 2014.71  667.22 2175.14  669.63
 2216.18     670 2768.36     670 2820.59  669.59 3757.05  650.86 3827.94     650
 4449.14     650 4533.09  646.69 4548.01   645.2 4633.83     640 4745.75     640
  4835.3  638.24 5141.23  622.94 5238.24  619.67 5833.32  614.57 5943.38     614
 7711.85     614 7810.72  614.39 7857.36  614.39 7958.09     615 8305.07     615
 8305.07  613.05 8461.77  613.05 8461.77     610 9096.03     610 9267.65  609.21
 9689.25  604.29 9872.06  601.92 9886.99   601.710073.53     60010677.95     600
10816.92  571.6110916.92  571.6111116.92     60011566.06   603.113093.15  608.98
13272.81  609.45 13488.4  622.47 13542.3  631.6913703.99   652.113991.44  661.95
14135.17  663.44 14171.1  662.7114440.58  660.1714458.55  660.5514674.14  667.09
14889.73     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510677.95     .1511116.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10677.9511116.92               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1307270.00   77833.75   503410.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1307270.00   77833.75   503410.00
  Q Total (cfs)           206224.30    Flow (cfs)              139343.80   10573.33   56307.14
  Top Width (ft)          14889.73    Top Width (ft)          10677.95     438.97    3772.81
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.11       0.14       0.11
  Max Chl Dpth (ft)         188.27    Hydr. Depth (ft)          122.43     177.31     133.43
  Conv. Total (cfs)       471148600.0    Conv. (cfs)            318350700.0   24156260.0   128641600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10725.31     443.84    3842.27
  Min Ch El (ft)            571.61    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    7833.50     504.45    3135.92
  C & E Loss (ft)             0.00    Cum SA (acres)            62.19       2.75      23.31


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1415.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.24  680.45  604.43  679.96  988.73  676.11 1007.38  676.05
 1285.34   677.9  1309.6  677.85 1977.45  667.35 2014.76  667.22  2175.2  669.63
 2216.24     670 2768.43     670 2820.67  669.59 3757.16  650.86 3828.05     650
 4449.27     650 4533.22  646.68 4548.14  645.19 4633.96     640 4745.89     640
 4835.43  638.23 5141.38  622.93 5238.39  619.67 5833.49  614.57 5943.55     614
 7712.07     614 7810.94  614.39 7857.58  614.39 7958.32     615  8305.3     615
  8305.3  613.04 8462.01  613.04 8462.01     610 9096.29     610 9267.91  609.21
 9689.52  604.29 9872.34  601.91 9887.27  601.6910073.82     60010678.25     600
10817.37  571.6110917.37  571.6111117.37     60011566.64  603.1113094.16  608.99
13273.87  609.4513489.52  622.5213543.43  631.7413705.17  652.11 13992.7  661.96
14136.46  663.4414172.41  662.7114441.97  660.1714459.94  660.5514675.59  667.12
14891.24     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510678.25     .1511117.37     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10678.2511117.37               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1307318.00   77859.93   503510.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1307318.00   77859.93   503510.10
  Q Total (cfs)           206224.30    Flow (cfs)              139337.70   10575.99   56310.60
  Top Width (ft)          14891.24    Top Width (ft)          10678.25     439.12    3773.87
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  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.27    Hydr. Depth (ft)          122.43     177.31     133.42
  Conv. Total (cfs)       471189800.0    Conv. (cfs)            318364500.0   24164450.0   128660800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10725.61     443.99    3843.32
  Min Ch El (ft)            571.61    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7818.50     503.56    3130.14
  C & E Loss (ft)             0.00    Cum SA (acres)             62.07       2.75      23.26


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1415.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.25  680.45  604.45  679.96  988.75  676.11 1007.41  676.05
 1285.38   677.9 1309.63  677.85 1977.51  667.35 2014.82  667.22 2175.26  669.63
  2216.3     670 2768.51     670 2820.75  669.59 3757.27  650.85 3828.16     650
  4449.4     650 4533.35  646.67 4548.27  645.17 4634.09     640 4746.02     640
 4835.57  638.22 5141.52  622.92 5238.53  619.67 5833.65  614.57 5943.72     614
 7712.29     614 7811.16  614.39  7857.8  614.39 7958.54     615 8305.54     615
 8305.54  613.04 8462.25  613.04 8462.25     610 9096.54     610 9268.18   609.2
 9689.79  604.29 9872.62  601.91 9887.55  601.69 10074.1     60010678.55     600
10817.83  571.6110917.83  571.6111117.83     60011567.22  603.1113095.17  608.99
13274.92  609.4513490.63  622.5713544.56  631.7813706.34  652.1213993.96  661.96
14137.76  663.4314173.72   662.714443.35  660.1714461.33  660.5514677.04  667.15
14892.75     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510678.55     .1511117.83     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10678.5511117.83               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1307368.00   77887.81   503632.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1307368.00   77887.81   503632.30
  Q Total (cfs)           206224.30    Flow (cfs)              139328.70   10578.64   56317.00
  Top Width (ft)          14892.75    Top Width (ft)          10678.55     439.28    3774.92
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.27    Hydr. Depth (ft)          122.43     177.31     133.42
  Conv. Total (cfs)       471241700.0    Conv. (cfs)            318378900.0   24173180.0   128689600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10725.92     444.15    3844.37
  Min Ch El (ft)            571.61    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7803.49     502.67    3124.36
  C & E Loss (ft)             0.00    Cum SA (acres)             61.95       2.74      23.22


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1414.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.27  680.45  604.46  679.96  988.78  676.11 1007.44  676.05
 1285.42   677.9 1309.67  677.85 1977.57  667.35 2014.88  667.22 2175.32  669.63
 2216.37     670 2768.59     670 2820.83  669.58 3757.37  650.85 3828.27     650
 4449.52     650 4533.48  646.65  4548.4  645.16 4634.22     640 4746.16     640
 4835.71  638.21 5141.67  622.92 5238.68  619.67 5833.82  614.57 5943.89     614
  7712.5     614 7811.38  614.39 7858.02  614.39 7958.77     615 8305.77     615
 8305.77  613.03 8462.49  613.03 8462.49     610  9096.8     610 9268.44   609.2
 9690.07  604.28  9872.9  601.91 9887.83  601.6810074.39     60010678.85     600
10818.28  571.6110918.28  571.6111118.28     600 11567.8  603.1213096.17  608.99
13275.98  609.4513491.75  622.62 13545.7  631.8313707.52  652.1313995.22  661.97
14139.06  663.4214175.03  662.6914444.74  660.1714462.72  660.5514678.49  667.18
14894.26     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510678.85     .1511118.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10678.8511118.28               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1307419.00   77913.99   503743.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1307419.00   77913.99   503743.60
  Q Total (cfs)           206224.30    Flow (cfs)              139321.20   10581.18   56321.88
  Top Width (ft)          14894.26    Top Width (ft)          10678.85     439.43    3775.98
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.27    Hydr. Depth (ft)          122.43     177.31     133.41
  Conv. Total (cfs)       471288300.0    Conv. (cfs)            318393400.0   24181380.0   128713400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10726.21     444.30    3845.42
  Min Ch El (ft)            571.61    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7788.48     501.77    3118.58
  C & E Loss (ft)             0.00    Cum SA (acres)             61.82       2.74      23.18


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1414.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.29  680.45  604.48  679.96  988.81  676.11 1007.47  676.05
 1285.45   677.9 1309.71  677.85 1977.62  667.35 2014.93  667.22 2175.38  669.63
 2216.43     670 2768.67     670 2820.91  669.58 3757.48  650.85 3828.38     650
 4449.65     650  4533.6  646.64 4548.53  645.15 4634.35     640 4746.29     640
 4835.84  638.21 5141.81  622.91 5238.83  619.67 5833.98  614.57 5944.06     614
 7712.72     614  7811.6   614.4 7858.25   614.4 7958.99     615 8306.01     615
 8306.01  613.02 8462.73  613.02 8462.73     610 9097.06     610  9268.7   609.2
 9690.34  604.28 9873.18   601.9 9888.11  601.6810074.67     60010679.15     600
10818.73   571.610918.73   571.611118.73     60011568.38  603.1213097.18  608.99
13277.04  609.4513492.87  622.6613546.83  631.87 13708.7  652.1413996.48  661.98
14140.36  663.4214176.33  662.6914446.12  660.1714464.11  660.5514679.94   667.2
14895.77     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510679.15     .1511118.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10679.1511118.73                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1307460.00   77942.70   503866.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1307460.00   77942.70   503866.70
  Q Total (cfs)           206224.30    Flow (cfs)             139311.40   10584.20   56328.66
  Top Width (ft)          14895.77    Top Width (ft)          10679.15     439.58    3777.04
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.28    Hydr. Depth (ft)          122.43     177.31     133.40
  Conv. Total (cfs)       471337200.0    Conv. (cfs)            318404100.0   24190790.0   128742300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10726.51     444.45    3846.48
  Min Ch El (ft)            571.60    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7773.48     500.88    3112.79
  C & E Loss (ft)             0.00    Cum SA (acres)             61.70       2.73      23.13


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1413.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   593.3  680.45   604.5  679.96  988.84  676.11  1007.5  676.05
 1285.49   677.9 1309.74  677.85 1977.68  667.35 2014.99  667.22 2175.44  669.63
 2216.49     670 2768.75     670 2820.99  669.58 3757.59  650.85 3828.48     650
 4449.77     650 4533.73  646.63 4548.66  645.13 4634.48     640 4746.43     640
 4835.98   638.2 5141.96   622.9 5238.98  619.67 5834.15  614.56 5944.23     614
 7712.94     614 7811.82   614.4 7858.47   614.4 7959.22     615 8306.24     615
 8306.24  613.01 8462.96  613.01 8462.96     610 9097.31     610 9268.96   609.2
 9690.62  604.28 9873.46   601.9 9888.38  601.6710074.96     60010679.46     600
10819.18   571.610919.18   571.611119.18     60011568.96  603.1313098.19     609
 13278.1  609.4513493.99  622.7113547.96  631.9213709.88  652.1513997.73  661.99
14141.66  663.4114177.64  662.6814447.51  660.17 14465.5  660.5614681.39  667.23
14897.28     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510679.46     .1511119.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10679.4611119.18                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1307510.00   77967.01   503968.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1307510.00   77967.01   503968.10
  Q Total (cfs)           206224.30    Flow (cfs)             139305.40   10586.60   56332.31
  Top Width (ft)          14897.28    Top Width (ft)          10679.46     439.72    3778.10
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.28    Hydr. Depth (ft)          122.43     177.31     133.39
  Conv. Total (cfs)       471378600.0    Conv. (cfs)            318418200.0   24198400.0   128762000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10726.82     444.58    3847.53
  Min Ch El (ft)            571.60    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7758.47     499.98    3107.01
  C & E Loss (ft)             0.00    Cum SA (acres)             61.58       2.73      23.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1413.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.32  680.45  604.51  679.95  988.87  676.11 1007.52  676.05
 1285.53   677.9 1309.78  677.85 1977.73  667.35 2015.05  667.23 2175.51  669.63
```

```
 2216.55     670 2768.83     670 2821.07  669.58 3757.69  650.85 3828.59     650
  4449.9     650 4533.86  646.61 4548.79  645.12 4634.61     640 4746.56     640
 4836.12  638.19 5142.11  622.89 5239.13  619.66 5834.31  614.56 5944.39     614
 7713.16     614 7812.05   614.4 7858.69   614.4 7959.44     615 8306.48     615
 8306.48  613.01  8463.2  613.01  8463.2     610 9097.57     610 9269.22  609.19
 9690.89  604.27 9873.74  601.89 9888.67  601.6710075.24     60010679.76     600
10819.64   571.610919.64   571.611119.64     60011569.54  603.1313099.19     609
13279.15  609.4513495.11  622.7613549.09  631.9613711.06  652.1513998.99  661.99
14142.96   663.414178.95  662.6714448.89  660.1714466.89  660.5614682.84  667.26
14898.79     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510679.76     .1511119.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10679.7611119.64               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1307563.00   77994.89   504092.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1307563.00   77994.89   504092.80
  Q Total (cfs)           206224.30    Flow (cfs)              139296.20   10589.20   56338.88
  Top Width (ft)          14898.79    Top Width (ft)          10679.76     439.88    3779.15
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.28    Hydr. Depth (ft)          122.43     177.31     133.39
  Conv. Total (cfs)       471433000.0    Conv. (cfs)            318434000.0   24207130.0   128791800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10727.12     444.74    3848.57
  Min Ch El (ft)            571.60    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7743.46     499.09    3101.22
  C & E Loss (ft)             0.00    Cum SA (acres)             61.46       2.72      23.05


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1412.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.34  680.44  604.53  679.95  988.89  676.11 1007.55  676.05
 1285.56   677.9 1309.82  677.85 1977.79  667.35 2015.11  667.23 2175.57  669.63
 2216.62     670  2768.9     670 2821.15  669.58  3757.8  650.84  3828.7     650
 4450.02     650 4533.99  646.6 4548.91  645.11 4634.74     640 4746.69     640
 4836.25  638.19 5142.25  622.89 5239.27  619.66 5834.48  614.56 5944.56     614
 7713.38     614 7812.27   614.4 7858.91   614.4 7959.67     615 8306.71     615
 8306.71     613 8463.44     613 8463.44     610 9097.83     610 9269.49  609.19
 9691.17  604.27 9874.02  601.89 9888.94  601.6710075.53     60010680.06     600
10820.09   571.610920.09   571.611120.09     60011570.12  603.14 13100.2     609
13280.21  609.4513496.22  622.8113550.23  632.0113712.24  652.1614000.25     662
14144.26   663.414180.26  662.6714450.28  660.1714468.28  660.5614684.29  667.29
 14900.3     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510680.06     .1511120.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10680.0611120.09               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1307610.00   78021.07   504201.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1307610.00   78021.07   504201.40
  Q Total (cfs)           206224.30    Flow (cfs)              139289.00   10591.79   56343.56
  Top Width (ft)          14900.30    Top Width (ft)          10680.06     440.03    3780.21
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.28    Hydr. Depth (ft)          122.43     177.31     133.38
  Conv. Total (cfs)       471477100.0    Conv. (cfs)            318447200.0   24215320.0   128814600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10727.42     444.89    3849.63
  Min Ch El (ft)            571.60    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7728.45     498.19    3095.44
  C & E Loss (ft)             0.00    Cum SA (acres)             61.33       2.72      23.00


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1412.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.35  680.44  604.55  679.95  988.92  676.11 1007.58  676.05
  1285.6   677.9 1309.86  677.85 1977.84  667.35 2015.16  667.23 2175.63  669.63
 2216.68     670 2768.98     670 2821.23  669.58 3757.91  650.84 3828.81     650
 4450.15     650 4534.12  646.59 4549.04   645.1 4634.87     640 4746.83     640
 4836.39  638.18  5142.4  622.88 5239.42  619.66 5834.64  614.56 5944.73     614
  7713.6     614 7812.49   614.4 7859.13   614.4 7959.89     615 8306.95     615
 8306.95  612.99 8463.68  612.99 8463.68     610 9098.09     610 9269.75  609.19
 9691.44  604.27  9874.3  601.89 9889.22  601.6610075.81     60010680.36     600
10820.54   571.610920.54   571.611120.54     600 11570.7  603.1413101.21     609
13281.27  609.4613497.34  622.8613551.36  632.0513713.41  652.1714001.51  662.01
14145.56  663.3914181.57  662.6614451.66  660.1714469.67  660.5614685.74  667.31
14901.81     695

Manning's n Values        num=       3
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```
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510680.36     .1511120.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10680.3611120.54               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1307655.00   78047.08   504323.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1307655.00   78047.08   504323.40
  Q Total (cfs)           206224.30    Flow (cfs)              139279.80   10594.26   56350.18
  Top Width (ft)          14901.81    Top Width (ft)          10680.36     440.18    3781.27
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.28    Hydr. Depth (ft)          122.44     177.31     133.37
  Conv. Total (cfs)       471525800.0    Conv. (cfs)            318459300.0   24223460.0   128843000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10727.72     445.03    3850.68
  Min Ch El (ft)            571.60    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7713.44     497.30    3089.65
  C & E Loss (ft)             0.00    Cum SA (acres)             61.21       2.71      22.96


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1411.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.37  680.44  604.57  679.95  988.95  676.11 1007.61  676.05
 1285.64   677.9 1309.89  677.84  1977.9  667.35 2015.22  667.23 2175.69  669.64
 2216.74     670 2769.06     670 2821.31  669.57 3758.01  650.84 3828.92     650
 4450.28     650 4534.24  646.58 4549.17  645.08 4635.01     640 4746.96     640
 4836.53  638.17 5142.54  622.87 5239.57  619.66 5834.81  614.56  5944.9     614
 7713.81     614 7812.71   614.4 7859.36   614.4 7960.12     615 8307.18     615
 8307.18  612.98 8463.92  612.98 8463.92     610 9098.34     610 9270.01  609.18
 9691.71  604.26 9874.58  601.88  9889.5  601.66 10076.1     60010680.67     600
   10821   571.6   10921   571.6   11121    60011571.27  603.1513102.21  609.01
13282.33  609.4613498.46  622.9113552.49   632.113714.59  652.1814002.77  662.02
14146.86  663.3914182.88  662.6514453.05  660.1714471.06  660.5614687.19  667.34
14903.32     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510680.67     .15   11121     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10680.67   11121          .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1307714.00   78073.26   504423.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1307714.00   78073.26   504423.40
  Q Total (cfs)           206224.30    Flow (cfs)              139274.30   10596.82   56353.15
  Top Width (ft)          14903.32    Top Width (ft)          10680.67     440.33    3782.32
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.28    Hydr. Depth (ft)          122.44     177.31     133.36
  Conv. Total (cfs)       471571300.0    Conv. (cfs)            318477400.0   24231660.0   128862300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10728.03     445.18    3851.72
  Min Ch El (ft)            571.60    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7698.43     496.40    3083.86
  C & E Loss (ft)             0.00    Cum SA (acres)             61.09       2.71      22.91


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1411.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.39  680.44  604.58  679.95  988.98  676.11 1007.64  676.05
 1285.67   677.9 1309.93  677.84 1977.96  667.35 2015.28  667.23 2175.75  669.64
  2216.8     670 2769.14     670 2821.39  669.57 3758.12  650.84 3829.03     650
  4450.4     650 4534.37  646.56  4549.3  645.07 4635.14     640  4747.1     640
 4836.66  638.17 5142.69  622.87 5239.72  619.66 5834.97  614.56 5945.07     614
 7714.03     614 7812.93   614.4 7859.58   614.4 7960.34     615 8307.42     615
 8307.42  612.98 8464.16  612.98 8464.16     610  9098.6     610 9270.27  609.18
 9691.99  604.26 9874.86  601.88 9889.78  601.6510076.38     60010680.97     600
10821.45   571.610921.45   571.611121.45    60011571.85  603.1513103.22  609.01
13283.38  609.4613499.58  622.9513553.62  632.1513715.77  652.1914004.03  662.02
14148.16  663.3814184.19  662.6514454.43  660.1714472.45  660.5714688.64  667.37
14904.83     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510680.97     .1511121.45     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10680.9711121.45               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1307753.00   78099.44   504544.90
```

```
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1307753.00   78099.44   504544.90
  Q Total (cfs)           206224.30    Flow (cfs)              139265.00   10599.36   56359.96
  Top Width (ft)          14904.83    Top Width (ft)          10680.97     440.48    3783.38
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.28    Hydr. Depth (ft)          122.44     177.31     133.36
  Conv. Total (cfs)       471617700.0    Conv. (cfs)             318487400.0   24239850.0   128890500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10728.33     445.33    3852.78
  Min Ch El (ft)            571.60    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7683.42     495.50    3078.07
  C & E Loss (ft)             0.00    Cum SA (acres)             60.97       2.70      22.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1410.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   593.4  680.44   604.6  679.95  989.01  676.11 1007.67  676.05
 1285.71   677.9 1309.97  677.84 1978.01  667.35 2015.33  667.23 2175.81  669.64
 2216.87     670 2769.22     670 2821.47  669.57 3758.22  650.84 3829.13     650
 4450.53     650  4534.5  646.55 4549.43  645.06 4635.27     640 4747.23     640
  4836.8  638.16 5142.83  622.86 5239.87  619.66 5835.14  614.56 5945.23     614
 7714.25     614 7813.15  614.41  7859.8  614.41 7960.57     615 8307.65     615
 8307.65  612.97  8464.4  612.97  8464.4     610 9098.86     610 9270.54  609.18
 9692.26  604.26 9875.13  601.87 9890.06  601.6510076.67     60010681.27     600
 10821.9  571.59 10921.9  571.59 11121.9     60011572.43  603.1613104.23  609.01
13284.44  609.46 13500.7     62313554.76  632.1913716.95  652.1914005.29  662.03
14149.46  663.37 14185.5  662.6414455.82  660.1614473.84  660.5714690.09   667.4
14906.34     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510681.27     .15 11121.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10681.27 11121.9               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1307796.00   78128.31   504660.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1307796.00   78128.31   504660.80
  Q Total (cfs)           206224.30    Flow (cfs)              139256.20   10602.45   56365.67
  Top Width (ft)          14906.34    Top Width (ft)          10681.27     440.63    3784.44
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.29    Hydr. Depth (ft)          122.44     177.31     133.35
  Conv. Total (cfs)       471664600.0    Conv. (cfs)             318498900.0   24249310.0   128916400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10728.63     445.48    3853.83
  Min Ch El (ft)            571.59    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7668.41     494.61    3072.28
  C & E Loss (ft)             0.00    Cum SA (acres)             60.84       2.70      22.83


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1410.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.42  680.44  604.62  679.95  989.03  676.11  1007.7  676.05
 1285.74   677.9    1310  677.84 1978.07  667.34 2015.39  667.23 2175.88  669.64
 2216.93     670  2769.3     670 2821.55  669.57 3758.33  650.83 3829.24     650
 4450.65     650 4534.63  646.54 4549.56  645.04  4635.4     640 4747.37     640
 4836.94  638.15 5142.98  622.85 5240.02  619.66  5835.3  614.55  5945.4     614
 7714.47     614 7813.37  614.41 7860.02  614.41 7960.79     615 8307.89     615
 8307.89  612.96 8464.64  612.96 8464.64     610 9099.12     610  9270.8  609.17
 9692.54  604.25 9875.41  601.87 9890.34  601.6410076.95     60010681.57     600
10822.36  571.5910922.36  571.5911122.36     60011573.01  603.1613105.24  609.01
 13285.5  609.4613501.81  623.0513555.89  632.2413718.13   652.214006.55  662.04
14150.75  663.3714186.81  662.63 14457.2  660.1614475.23  660.5714691.54  667.42
14907.86     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510681.57     .1511122.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10681.5711122.36               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1307859.00   78156.02   504782.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1307859.00   78156.02   504782.00
  Q Total (cfs)           206224.30    Flow (cfs)              139248.10   10604.97   56371.23
  Top Width (ft)          14907.86    Top Width (ft)          10681.57     440.79    3785.50
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.29    Hydr. Depth (ft)          122.44     177.31     133.35
  Conv. Total (cfs)       471720800.0    Conv. (cfs)             318518400.0   24257990.0   128944500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10728.93     445.64    3854.89
  Min Ch El (ft)            571.59    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7653.40     493.71    3066.48
  C & E Loss (ft)             0.00    Cum SA (acres)             60.72       2.69      22.78
```

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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1409.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.44  680.44  604.63  679.95  989.06  676.11 1007.72  676.05
 1285.78  677.91 1310.04  677.84 1978.12  667.34 2015.45  667.23 2175.94  669.64
 2216.99     670 2769.37     670 2821.63  669.57 3758.44  650.83 3829.35     650
 4450.78     650 4534.76  646.52 4549.69  645.03 4635.53     640  4747.5     640
 4837.07  638.15 5143.12  622.84 5240.16  619.66 5835.47  614.55 5945.57     614
 7714.69     614 7813.59  614.41 7860.25  614.41 7961.02     615 8308.12     615
 8308.12  612.95 8464.88  612.95 8464.88     610 9099.37     610 9271.06  609.17
 9692.81  604.25 9875.69  601.86 9890.62  601.6410077.24     60010681.87     600
10822.81  571.5910922.81  571.5911122.81     60011573.59  603.1713106.24  609.02
13286.56  609.4613502.93   623.113557.02  632.28 13719.3  652.21 14007.8  662.05
14152.05  663.3614188.12  662.6314458.58  660.1614476.62  660.5714692.99  667.45
14909.37     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510681.87     .1511122.81     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10681.8711122.81               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1307900.00   78182.03   504883.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1307900.00   78182.03   504883.80
  Q Total (cfs)           206224.30    Flow (cfs)              139241.40   10607.66   56375.28
  Top Width (ft)          14909.37    Top Width (ft)          10681.87     440.94    3786.56
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.29    Hydr. Depth (ft)          122.44     177.31     133.34
  Conv. Total (cfs)       471759500.0    Conv. (cfs)            318529100.0   24266120.0   128964300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10729.23     445.78    3855.94
  Min Ch El (ft)            571.59    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7638.38     492.81    3060.69
  C & E Loss (ft)             0.00    Cum SA (acres)             60.60       2.69      22.74


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1409.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.45  680.44  604.65  679.95  989.09  676.11 1007.75  676.05
 1285.82  677.91 1310.08  677.84 1978.18  667.34  2015.5  667.23    2176  669.64
 2217.06     670 2769.45     670 2821.71  669.57 3758.54  650.83 3829.46     650
 4450.91     650 4534.89  646.51 4549.82  645.02 4635.66     640 4747.63     640
 4837.21  638.14 5143.27  622.84 5240.31  619.65 5835.63  614.55 5945.74     614
  7714.9     614 7813.81  614.41 7860.47  614.41 7961.24     615 8308.36     615
 8308.36  612.95 8465.12  612.95 8465.12     610 9099.63     610 9271.32  609.17
 9693.08  604.25 9875.97  601.86  9890.9  601.6410077.52     60010682.17     600
10823.26  571.5910923.26  571.5911123.26     60011574.17  603.1713107.25  609.02
13287.61  609.4613504.05  623.1513558.16  632.3313720.48  652.2214009.06  662.05
14153.35  663.3614189.43  662.6214459.97  660.1614478.01  660.5814694.44  667.48
14910.88     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510682.17     .1511123.26     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10682.1711123.26               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1307943.00   78208.21   505004.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1307943.00   78208.21   505004.80
  Q Total (cfs)           206224.30    Flow (cfs)              139232.30   10610.16   56381.80
  Top Width (ft)          14910.88    Top Width (ft)          10682.17     441.09    3787.62
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.29    Hydr. Depth (ft)          122.44     177.31     133.33
  Conv. Total (cfs)       471807400.0    Conv. (cfs)            318540800.0   24274320.0   128992300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10729.53     445.93    3856.99
  Min Ch El (ft)            571.59    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7623.37     491.92    3054.89
  C & E Loss (ft)             0.00    Cum SA (acres)             60.48       2.68      22.70


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1408.5*

INPUT
Description:
Station Elevation Data    num=      56
```

```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.47  680.44  604.67  679.95  989.12  676.11 1007.78  676.05
 1285.85  677.91 1310.12  677.84 1978.24  667.34 2015.56  667.23 2176.06  669.64
 2217.12     670 2769.53     670 2821.79  669.56 3758.65  650.83 3829.57     650
 4451.03     650 4535.01   646.5 4549.94  645.01 4635.79     640 4747.77     640
 4837.35  638.13 5143.42  622.83 5240.46  619.65  5835.8  614.55 5945.91     614
 7715.12     614 7814.03  614.41 7860.69  614.41 7961.47     615 8308.59     615
 8308.59  612.94 8465.36  612.94 8465.36     610 9099.89     610 9271.58  609.16
 9693.36  604.24 9876.25  601.86 9891.18  601.6310077.81     60010682.48     600
10823.72  571.5910923.72  571.5911123.72     60011574.75  603.1713108.26  609.02
13288.67  609.4713505.17   623.213559.29  632.3713721.66  652.2314010.32  662.06
14154.65  663.3514190.74  662.6114461.35  660.16 14479.4  660.5814695.89  667.51
14912.39     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510682.48     .1511123.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10682.4811123.72               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1308000.00   78234.23   505123.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1308000.00   78234.23   505123.10
  Q Total (cfs)           206224.30    Flow (cfs)              139224.30   10612.55   56387.42
  Top Width (ft)          14912.39    Top Width (ft)          10682.48     441.24    3788.67
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.29    Hydr. Depth (ft)          122.44     177.31     133.32
  Conv. Total (cfs)       471859500.0    Conv. (cfs)            318557600.0   24282460.0   129019400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10729.84     446.08    3858.04
  Min Ch El (ft)            571.59    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7608.36     491.02    3049.10
  C & E Loss (ft)             0.00    Cum SA (acres)             60.35       2.68      22.65


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1408.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.49  680.43  604.69  679.95  989.15  676.11 1007.81  676.05
 1285.89  677.91 1310.15  677.84 1978.29  667.34 2015.62  667.23 2176.12  669.64
 2217.18     670 2769.61     670 2821.87  669.56 3758.76  650.82 3829.68     650
 4451.16     650 4535.14  646.49 4550.07  644.99 4635.92     640  4747.9     640
 4837.48  638.13 5143.56  622.82 5240.61  619.65 5835.96  614.55 5946.08     614
 7715.34     614 7814.26  614.41 7860.91  614.41 7961.69     615 8308.83     615
 8308.83  612.93  8465.6  612.93  8465.6     610 9100.15     610 9271.85  609.16
 9693.63  604.24 9876.53  601.85 9891.46  601.6310078.09     60010682.78     600
10824.17  571.5910924.17  571.5911124.17     60011575.33  603.1813109.26  609.02
13289.73  609.4713506.28  623.2413560.42  632.4213722.84  652.2414011.58  662.07
14155.95  663.3414192.04   662.614462.74  660.1614480.79  660.5814697.34  667.53
 14913.9     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510682.78     .1511124.17     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10682.7811124.17               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1308051.00   78260.41   505237.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1308051.00   78260.41   505237.30
  Q Total (cfs)           206224.30    Flow (cfs)              139216.60   10615.05   56392.65
  Top Width (ft)          14913.90    Top Width (ft)          10682.78     441.39    3789.73
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.29    Hydr. Depth (ft)          122.44     177.30     133.32
  Conv. Total (cfs)       471907500.0    Conv. (cfs)            318572300.0   24290650.0   129044500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10730.14     446.22    3859.09
  Min Ch El (ft)            571.59    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7593.34     490.12    3043.30
  C & E Loss (ft)             0.00    Cum SA (acres)             60.23       2.67      22.61


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1407.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   593.5  680.43   604.7  679.95  989.17  676.11 1007.84  676.05
 1285.93  677.91 1310.19  677.84 1978.35  667.34 2015.68  667.24 2176.18  669.64
 2217.24     670 2769.69     670 2821.95  669.56 3758.86  650.82 3829.78     650
 4451.28     650 4535.27  646.47  4550.2  644.98 4636.05     640 4748.04     640
 4837.62  638.12 5143.71  622.81 5240.76  619.65 5836.13  614.55 5946.24     614
 7715.56     614 7814.48  614.42 7861.14  614.42 7961.92     615 8309.06     615
 8309.06  612.92 8465.84  612.92 8465.84     610  9100.4     610 9272.11  609.16
 9693.91  604.24 9876.81  601.85 9891.74  601.6210078.38     60010683.08     600
10824.62  571.5810924.62  571.5811124.62     60011575.91  603.1813110.27  609.03
13290.79  609.47 13507.4  623.2913561.56  632.4613724.02  652.2414012.84  662.08
14157.25  663.3414193.35   662.614464.12  660.1614482.17  660.5814698.79  667.56
```

```
14915.41     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510683.08     .1511124.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10683.0811124.62               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1308093.00   78289.30   505350.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1308093.00   78289.30   505350.60
  Q Total (cfs)           206224.30    Flow (cfs)              139208.10   10618.17   56398.03
  Top Width (ft)          14915.41    Top Width (ft)          10683.08     441.54    3790.79
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.30    Hydr. Depth (ft)          122.45     177.31     133.31
  Conv. Total (cfs)       471952900.0    Conv. (cfs)            318583500.0   24300120.0   129069200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10730.44     446.37    3860.15
  Min Ch El (ft)            571.58    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7578.33     489.22    3037.50
  C & E Loss (ft)             0.00    Cum SA (acres)             60.11       2.66      22.57


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1407.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.52  680.43  604.72  679.95   989.2  676.11 1007.87  676.05
 1285.96  677.91 1310.23  677.84  1978.4  667.34 2015.73  667.24 2176.24  669.64
 2217.31     670 2769.77     670 2822.03  669.56 3758.97  650.82 3829.89     650
 4451.41     650  4535.4  646.46 4550.33  644.97 4636.19     640 4748.17     640
 4837.76  638.11 5143.85  622.81 5240.91  619.65 5836.29  614.55 5946.41     614
 7715.78     614  7814.7  614.42 7861.36  614.42 7962.14     615  8309.3     615
  8309.3  612.92 8466.08  612.92 8466.08     610 9100.66     610 9272.37  609.16
 9694.18  604.23 9877.09  601.84 9892.02  601.6210078.66     60010683.38     600
10825.08  571.5810925.08  571.5811125.08     60011576.49  603.1913111.28  609.03
13291.84  609.4713508.52  623.3413562.69  632.51 13725.2  652.25 14014.1  662.08
14158.55  663.3314194.66  662.5914465.51  660.1614483.57  660.5814700.24  667.59
14916.92     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510683.38     .1511125.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10683.3811125.08               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1308137.00   78317.18   505462.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1308137.00   78317.18   505462.00
  Q Total (cfs)           206224.30    Flow (cfs)              139200.10   10620.98   56403.26
  Top Width (ft)          14916.92    Top Width (ft)          10683.38     441.70    3791.84
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.30    Hydr. Depth (ft)          122.45     177.31     133.30
  Conv. Total (cfs)       471997400.0    Conv. (cfs)            318595200.0   24308850.0   129093400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10730.74     446.53    3861.19
  Min Ch El (ft)            571.58    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7563.31     488.32    3031.70
  C & E Loss (ft)             0.00    Cum SA (acres)             59.98       2.66      22.52


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1406.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.54  680.43  604.74  679.95  989.23  676.11 1007.89  676.05
    1286  677.91 1310.26  677.84 1978.46  667.34 2015.79  667.24 2176.31  669.64
 2217.37     670 2769.84     670 2822.11  669.56 3759.07  650.82    3830     650
 4451.54     650 4535.53  646.45 4550.46  644.95 4636.32     640  4748.3     640
  4837.9  638.11    5144   622.8 5241.05  619.65 5836.46  614.54 5946.58     614
    7716     614 7814.92  614.42 7861.58  614.42 7962.37     615 8309.53     615
 8309.53  612.91 8466.32  612.91 8466.32     610 9100.92     610 9272.63  609.15
 9694.46  604.23 9877.37  601.84  9892.3  601.6210078.95     60010683.69     600
10825.53  571.5810925.53  571.5811125.53     60011577.06  603.1913112.29  609.03
 13292.9  609.4713509.64  623.3913563.82  632.5513726.38  652.2614015.36  662.09
14159.85  663.3314195.97  662.5814466.89  660.1614484.96  660.5914701.69  667.62
14918.43     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510683.69     .1511125.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10683.6911125.53               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
```

```
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1308187.00   78341.49   505581.70
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1308187.00   78341.49   505581.70
  Q Total (cfs)          206224.30    Flow (cfs)              139191.70   10623.19   56409.38
  Top Width (ft)         14918.43    Top Width (ft)          10683.69     441.84    3792.90
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        188.30    Hydr. Depth (ft)          122.45     177.31     133.30
  Conv. Total (cfs)      472046700.0    Conv. (cfs)            318609400.0   24316460.0   129120900.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10731.05     446.67    3862.24
  Min Ch El (ft)           571.58    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     7548.30     487.42    3025.89
  C & E Loss (ft)            0.00    Cum SA (acres)             59.86       2.65      22.48


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                RS: 1406.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.55  680.43  604.75  679.95  989.26  676.11 1007.92  676.05
 1286.04  677.91  1310.3  677.84 1978.52  667.34 2015.85  667.24 2176.37  669.65
 2217.43     670 2769.92     670 2822.19  669.56 3759.18  650.82 3830.11     650
 4451.66     650 4535.66  646.43 4550.59  644.94 4636.45     640 4748.44     640
 4838.03   638.1 5144.14  622.79  5241.2  619.65 5836.62  614.54 5946.75     614
 7716.21     614 7815.14  614.42  7861.8  614.42 7962.59     615 8309.77     615
 8309.77   612.9 8466.56   612.9 8466.56     610 9101.17     610  9272.9  609.15
 9694.73  604.23 9877.65  601.84 9892.58  601.6110079.23     60010683.99     600
10825.98  571.5810925.98  571.5811125.98     60011577.64   603.213113.29  609.03
13293.96  609.4713510.75  623.4413564.96   632.613727.55  652.2714016.62   662.1
14161.15  663.3214197.28  662.5814468.28  660.1614486.34  660.5914703.14  667.64
14919.94     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510683.99     .1511125.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10683.9911125.98               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1308230.00   78367.67   505692.90
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1308230.00   78367.67   505692.90
  Q Total (cfs)          206224.30    Flow (cfs)              139184.00   10625.79   56414.55
  Top Width (ft)         14919.94    Top Width (ft)          10683.99     441.99    3793.96
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        188.30    Hydr. Depth (ft)          122.45     177.31     133.29
  Conv. Total (cfs)      472090600.0    Conv. (cfs)            318621200.0   24324650.0   129144700.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10731.35     446.82    3863.30
  Min Ch El (ft)           571.58    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     7533.28     486.52    3020.09
  C & E Loss (ft)            0.00    Cum SA (acres)             59.74       2.65      22.44


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                RS: 1405.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.57  680.43  604.77  679.95  989.29  676.11 1007.95  676.05
 1286.07  677.91 1310.34  677.84 1978.57  667.34  2015.9  667.24 2176.43  669.65
 2217.49     670    2770     670 2822.27  669.55 3759.29  650.81 3830.22     650
 4451.79     650 4535.78  646.42 4550.72  644.93 4636.58     640 4748.57     640
 4838.17  638.09 5144.29  622.79 5241.35  619.65 5836.79  614.54 5946.92     614
 7716.43     614 7815.36  614.42 7862.02  614.42 7962.82     615    8310     615
    8310  612.89  8466.8  612.89  8466.8     610 9101.43     610 9273.16  609.15
    9695  604.22 9877.93  601.83 9892.86  601.6110079.52     60010684.29     600
10826.43  571.5810926.43  571.5811126.43     60011578.22   603.2 13114.3  609.04
13295.01  609.4713511.87  623.4913566.09  632.6413728.73  652.2814017.88  662.11
14162.45  663.3114198.59  662.5714469.66  660.1614487.73  660.5914704.59  667.67
14921.45     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510684.29     .1511126.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10684.2911126.43               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1308285.00   78393.68   505806.30
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1308285.00   78393.68   505806.30
  Q Total (cfs)          206224.30    Flow (cfs)              139176.60   10628.23   56419.47
  Top Width (ft)         14921.45    Top Width (ft)          10684.29     442.14    3795.02
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        188.30    Hydr. Depth (ft)          122.45     177.31     133.28
  Conv. Total (cfs)      472139900.0    Conv. (cfs)            318637600.0   24332780.0   129169500.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10731.65     446.96    3864.35
  Min Ch El (ft)           571.58    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
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  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     7518.27     485.62    3014.28
  C & E Loss (ft)            0.00    Cum SA (acres)             59.62       2.64      22.39


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1405.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.59  680.43  604.79  679.95  989.31  676.11 1007.98  676.05
 1286.11  677.91 1310.37  677.84 1978.63  667.34 2015.96  667.24 2176.49  669.65
 2217.56     670 2770.08     670 2822.34  669.55 3759.39  650.81 3830.33     650
 4451.91     650 4535.91  646.41 4550.84  644.92 4636.71     640 4748.71     640
 4838.31  638.08 5144.43  622.78  5241.5  619.64 5836.95  614.54 5947.08     614
 7716.65     614 7815.58  614.42 7862.25  614.42 7963.04     615 8310.24     615
 8310.24  612.89 8467.04  612.89 8467.04     610 9101.69     610 9273.42  609.14
 9695.28  604.22 9878.21  601.83 9893.14   601.6 10079.8     60010684.59     600
10826.89  571.5810926.89  571.5811126.89     600 11578.8  603.2113115.31  609.04
13296.07  609.4813512.99  623.5313567.22  632.6913729.91  652.2814019.13  662.11
14163.75  663.31 14199.9  662.5614471.05  660.1614489.12  660.5914706.04   667.7
14922.96     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510684.59     .1511126.89     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10684.5911126.89               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1308335.00   78421.56   505918.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)           1308335.00   78421.56   505918.30
  Q Total (cfs)           206224.30    Flow (cfs)             139168.80   10630.98   56424.49
  Top Width (ft)          14922.96    Top Width (ft)         10684.59     442.30    3796.07
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.11       0.14       0.11
  Max Chl Dpth (ft)         188.30    Hydr. Depth (ft)          122.45     177.30     133.27
  Conv. Total (cfs)       472187100.0    Conv. (cfs)            318651700.0   24341510.0   129193900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10731.95     447.12    3865.40
  Min Ch El (ft)            571.58    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     7503.25     484.72    3008.48
  C & E Loss (ft)            0.00    Cum SA (acres)             59.49       2.64      22.35


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1404.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.61  680.43  604.81  679.95  989.34  676.11 1008.01  676.05
 1286.14  677.91 1310.41  677.84 1978.68  667.33 2016.02  667.24 2176.55  669.65
 2217.62     670 2770.16     670 2822.42  669.55  3759.5  650.81 3830.43     650
 4452.04     650 4536.04   646.4 4550.97   644.9 4636.84     640 4748.84     640
 4838.44  638.08 5144.58  622.77 5241.65  619.64 5837.12  614.54 5947.25     614
 7716.87     614  7815.8  614.42 7862.47  614.42 7963.27     615 8310.47     615
 8310.47  612.88 8467.27  612.88 8467.27     610 9101.95     610 9273.68  609.14
 9695.55  604.22 9878.49  601.82 9893.42   601.610080.09     60010684.89     600
10827.34  571.5810927.34  571.5811127.34     60011579.38  603.2113116.31  609.04
13297.13  609.4813514.11  623.5813568.35  632.7313731.09  652.2914020.39  662.12
14165.04   663.314201.21  662.5614472.43  660.1614490.51  660.5914707.49  667.73
14924.47     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510684.89     .1511127.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10684.8911127.34               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1308381.00   78447.75   506038.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)           1308381.00   78447.75   506038.50
  Q Total (cfs)           206224.30    Flow (cfs)             139160.10   10633.46   56430.75
  Top Width (ft)          14924.47    Top Width (ft)         10684.89     442.45    3797.13
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.11       0.14       0.11
  Max Chl Dpth (ft)         188.30    Hydr. Depth (ft)          122.45     177.30     133.27
  Conv. Total (cfs)       472235900.0    Conv. (cfs)            318664600.0   24349700.0   129221600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10732.25     447.27    3866.45
  Min Ch El (ft)            571.58    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     7488.23     483.82    3002.67
  C & E Loss (ft)            0.00    Cum SA (acres)             59.37       2.63      22.31


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1404.*
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```
INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.62  680.43  604.82  679.95  989.37  676.11 1008.04  676.05
 1286.18  677.91 1310.45  677.84 1978.74  667.33 2016.07  667.24 2176.61  669.65
 2217.68     670 2770.24     670  2822.5  669.55 3759.61  650.81 3830.54     650
 4452.17     650 4536.17  646.38  4551.1  644.89 4636.97     640 4748.98     640
 4838.58  638.07 5144.72  622.76 5241.79  619.64 5837.28  614.54 5947.42     614
 7717.09     614 7816.02  614.43 7862.69  614.43  7963.5     615 8310.71     615
 8310.71  612.87 8467.51  612.87 8467.51     610  9102.2     610 9273.94  609.14
 9695.83  604.22 9878.77  601.82  9893.7  601.5910080.37     600 10685.2     600
10827.79  571.5710927.79  571.5711127.79     60011579.96  603.2213117.32  609.04
13298.19  609.4813515.23  623.6313569.49  632.7813732.27   652.314021.65  662.13
14166.34   663.314202.52  662.5514473.82  660.16 14491.9   660.614708.94  667.75
14925.98     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10685.2     .1511127.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10685.211127.79               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1308426.00   78474.77   506149.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1308426.00   78474.77   506149.70
  Q Total (cfs)           206224.30    Flow (cfs)              139152.20   10636.33   56435.80
  Top Width (ft)          14925.98    Top Width (ft)          10685.20     442.59    3798.19
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.31    Hydr. Depth (ft)          122.45     177.31     133.26
  Conv. Total (cfs)       472280600.0    Conv. (cfs)            318676600.0   24358590.0   129245300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10732.56     447.41    3867.51
  Min Ch El (ft)            571.57    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7473.21     482.92    2996.86
  C & E Loss (ft)             0.00    Cum SA (acres)             59.25       2.63      22.26


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1403.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.64  680.42  604.84  679.95   989.4  676.11 1008.07  676.05
 1286.22  677.91 1310.49  677.84  1978.8  667.33 2016.13  667.24 2176.68  669.65
 2217.75     670 2770.31     670 2822.58  669.55 3759.71  650.81 3830.65     650
 4452.29     650  4536.3  646.37 4551.23  644.88  4637.1     640 4749.11     640
 4838.72  638.06 5144.87  622.76 5241.94  619.64 5837.45  614.54 5947.59     614
  7717.3     614 7816.24  614.43 7862.91  614.43 7963.72     615 8310.94     615
 8310.94  612.86 8467.75  612.86 8467.75     610 9102.46     610 9274.21  609.13
  9696.1  604.21 9879.05  601.81 9893.98  601.5910080.66     600 10685.5     600
10828.25  571.5710928.25  571.5711128.25     60011580.54  603.2213118.33  609.05
13299.25  609.4813516.34  623.6813570.62  632.8213733.44  652.3114022.91  662.14
14167.64  663.2914203.83  662.54 14475.2  660.1614493.29   660.614710.39  667.78
14927.49     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10685.5     .1511128.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10685.511128.25               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1308477.00   78502.66   506260.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1308477.00   78502.66   506260.90
  Q Total (cfs)           206224.30    Flow (cfs)              139144.60   10639.07   56440.63
  Top Width (ft)          14927.49    Top Width (ft)          10685.50     442.75    3799.24
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.31    Hydr. Depth (ft)          122.45     177.31     133.25
  Conv. Total (cfs)       472328200.0    Conv. (cfs)            318691500.0   24367320.0   129269400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10732.86     447.56    3868.55
  Min Ch El (ft)            571.57    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7458.19     482.02    2991.05
  C & E Loss (ft)             0.00    Cum SA (acres)             59.13       2.62      22.22


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1403.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.66  680.42  604.86  679.95  989.43  676.11 1008.09  676.05
 1286.25  677.91 1310.52  677.83 1978.85  667.33 2016.19  667.24 2176.74  669.65
 2217.81     670 2770.39     670 2822.66  669.55 3759.82   650.8 3830.76     650
 4452.42     650 4536.42  646.36 4551.36  644.86 4637.23     640 4749.24     640
 4838.85  638.06 5145.02  622.75 5242.09  619.64 5837.61  614.53 5947.76     614
 7717.52     614 7816.47  614.43 7863.14  614.43 7963.95     615 8311.18     615
 8311.18  612.85 8467.99  612.85 8467.99     610 9102.72     610 9274.47  609.13
 9696.38  604.21 9879.33  601.81 9894.26  601.5910080.94     600 10685.8     600
```

```
 10828.7  571.57 10928.7  571.57 11128.7     60011581.12  603.2313119.33  609.05
 13300.3  609.4813517.46  623.7313571.75  632.8713734.62  652.3214024.17  662.15
14168.94  663.2814205.14  662.5414476.59  660.1614494.68   660.614711.84  667.81
   14929     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10685.8     .15 11128.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10685.8 11128.7               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1308531.00   78528.84   506369.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1308531.00   78528.84   506369.90
  Q Total (cfs)           206224.30    Flow (cfs)              139137.70   10641.59   56445.02
  Top Width (ft)          14929.00    Top Width (ft)          10685.80     442.90    3800.30
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.31    Hydr. Depth (ft)          122.46     177.31     133.24
  Conv. Total (cfs)       472375200.0    Conv. (cfs)            318707300.0   24375500.0   129292400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10733.16     447.71    3869.60
  Min Ch El (ft)            571.57    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7443.17     481.12    2985.24
  C & E Loss (ft)             0.00    Cum SA (acres)             59.00       2.62      22.18


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1402.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.67  680.42  604.87  679.95  989.45  676.11 1008.12  676.05
 1286.29  677.91 1310.56  677.83 1978.91  667.33 2016.25  667.24  2176.8  669.65
 2217.87     670 2770.47     670 2822.74  669.55 3759.93   650.8 3830.87     650
 4452.54     650 4536.55  646.34 4551.49  644.85 4637.37     640 4749.38     640
 4838.99  638.05 5145.16  622.74 5242.24  619.64 5837.78  614.53 5947.93     614
 7717.74     614 7816.69  614.43 7863.36  614.43 7964.17     615 8311.41     615
 8311.41  612.85 8468.23  612.85 8468.23     610 9102.98     610 9274.73  609.13
 9696.65  604.21  9879.6  601.81 9894.54  601.5810081.23     600 10686.1     600
10829.15  571.5710929.15  571.5711129.15     600 11581.7  603.2313120.34  609.05
13301.36  609.4813518.58  623.7813572.88  632.92 13735.8  652.3214025.43  662.15
14170.24  663.2814206.45  662.5314477.97  660.1614496.07   660.614713.29  667.84
14930.51     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10686.1     .1511129.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10686.111129.15               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1308574.00   78555.02   506494.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1308574.00   78555.02   506494.10
  Q Total (cfs)           206224.30    Flow (cfs)              139128.30   10644.05   56451.96
  Top Width (ft)          14930.51    Top Width (ft)          10686.10     443.05    3801.36
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.31    Hydr. Depth (ft)          122.46     177.30     133.24
  Conv. Total (cfs)       472424400.0    Conv. (cfs)            318719000.0   24383700.0   129321700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10733.45     447.86    3870.66
  Min Ch El (ft)            571.57    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7428.15     480.22    2979.43
  C & E Loss (ft)             0.00    Cum SA (acres)             58.88       2.61      22.13


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1402.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.69  680.42  604.89  679.95  989.48  676.11 1008.15  676.05
 1286.33  677.91  1310.6  677.83 1978.96  667.33  2016.3  667.24 2176.86  669.65
 2217.93     670 2770.55     670 2822.82  669.54 3760.03   650.8 3830.98     650
 4452.67     650 4536.68  646.33 4551.62  644.84  4637.5     640 4749.51     640
 4839.13  638.04 5145.31  622.73 5242.39  619.64 5837.94  614.53 5948.09     614
 7717.96     614 7816.91  614.43 7863.58  614.43  7964.4     615 8311.65     615
 8311.65  612.84 8468.47  612.84 8468.47     610 9103.23     610 9274.99  609.13
 9696.92   604.2 9879.88   601.8 9894.82  601.5810081.51     60010686.41     600
10829.61  571.5710929.61  571.5711129.61     60011582.28  603.2413121.35  609.05
13302.42  609.48 13519.7  623.8213574.02  632.9613736.98  652.3314026.69  662.16
14171.54  663.2714207.75  662.5214479.36  660.1614497.46   660.614714.74  667.86
14932.02     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510686.41     .1511129.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10686.4111129.61               .5      .5      .5             .1       .3
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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1308628.00   78581.03   506608.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1308628.00   78581.03   506608.00
  Q Total (cfs)           206224.30    Flow (cfs)              139120.70   10646.50   56457.09
  Top Width (ft)          14932.02    Top Width (ft)          10686.41     443.20    3802.41
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.11       0.14       0.11
  Max Chl Dpth (ft)         188.31    Hydr. Depth (ft)          122.46     177.30     133.23
  Conv. Total (cfs)       472473300.0    Conv. (cfs)            318734600.0   24391830.0   129346900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10733.76     448.01    3871.70
  Min Ch El (ft)            571.57    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7413.13     479.32    2973.61
  C & E Loss (ft)             0.00    Cum SA (acres)             58.76       2.61      22.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1401.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.71  680.42  604.91  679.95  989.51   676.1 1008.18  676.05
 1286.36  677.91 1310.63  677.83 1979.02  667.33 2016.36  667.25 2176.92  669.65
    2218     670 2770.63     670  2822.9  669.54 3760.14   650.8 3831.08     650
 4452.79     650 4536.81  646.32 4551.75  644.83 4637.63     640 4749.65     640
 4839.26  638.04 5145.45  622.73 5242.54  619.64 5838.11  614.53 5948.26     614
 7718.18     614 7817.13  614.43  7863.8  614.43 7964.62     615 8311.88     615
 8311.88  612.83 8468.71  612.83 8468.71     610 9103.49     610 9275.25  609.12
  9697.2   604.2 9880.16   601.8  9895.1  601.57 10081.8     60010686.71     600
10830.06  571.5710930.06  571.5711130.06     60011582.86  603.2413122.36  609.06
13303.47  609.4813520.82  623.8713575.15  633.0113738.16  652.3414027.95  662.17
14172.84  663.2714209.06  662.5214480.74  660.1614498.85  660.6114716.19  667.89
14933.54     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510686.71     .1511130.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10686.7111130.06               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1308672.00   78607.05   506717.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1308672.00   78607.05   506717.30
  Q Total (cfs)           206224.30    Flow (cfs)              139113.30   10649.09   56461.91
  Top Width (ft)          14933.54    Top Width (ft)          10686.71     443.35    3803.48
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.11       0.14       0.11
  Max Chl Dpth (ft)         188.31    Hydr. Depth (ft)          122.46     177.30     133.22
  Conv. Total (cfs)       472516300.0    Conv. (cfs)            318746700.0   24399970.0   129369700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10734.06     448.15    3872.77
  Min Ch El (ft)            571.57    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7398.11     478.42    2967.80
  C & E Loss (ft)             0.00    Cum SA (acres)             58.64       2.60      22.04


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1401.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.72  680.42  604.93  679.95  989.54   676.1 1008.21  676.05
  1286.4  677.91 1310.67  677.83 1979.08  667.33 2016.42  667.25 2176.98  669.65
 2218.06     670 2770.71     670 2822.98  669.54 3760.24   650.8 3831.19     650
 4452.92     650 4536.94  646.31 4551.87  644.81 4637.76     640 4749.78     640
  4839.4  638.03  5145.6  622.72 5242.68  619.63 5838.27  614.53 5948.43     614
  7718.4     614 7817.35  614.44 7864.03  614.44 7964.85     615 8312.12     615
 8312.12  612.82 8468.95  612.82 8468.95     610 9103.75     610 9275.52  609.12
 9697.47   604.2 9880.44  601.79 9895.38  601.5710082.08     60010687.01     600
10830.51  571.5610930.51  571.5611130.51     60011583.43  603.2513123.36  609.06
13304.53  609.4913521.93  623.9213576.28  633.0513739.33  652.3514029.21  662.18
14174.14  663.2614210.37  662.5114482.12  660.1614500.24  660.6114717.64  667.92
14935.04     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510687.01     .1511130.51     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10687.0111130.51               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1308719.00   78635.95   506825.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1308719.00   78635.95   506825.90
  Q Total (cfs)           206224.30    Flow (cfs)              139105.60   10652.20   56466.49
  Top Width (ft)          14935.04    Top Width (ft)          10687.01     443.50    3804.53
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.11       0.14       0.11
  Max Chl Dpth (ft)         188.32    Hydr. Depth (ft)          122.46     177.31     133.22
  Conv. Total (cfs)       472561900.0    Conv. (cfs)            318759800.0   24409450.0   129392700.0
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  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10734.36     448.30    3873.81
  Min Ch El (ft)           571.56    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     7383.09     477.51    2961.98
  C & E Loss (ft)            0.00    Cum SA (acres)             58.51       2.60      22.00


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1400.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.74  680.42  604.94  679.95  989.57   676.1 1008.24  676.05
 1286.44  677.91 1310.71  677.83 1979.13  667.33 2016.47  667.25 2177.04  669.66
 2218.12     670 2770.78     670 2823.06  669.54 3760.35  650.79  3831.3     650
 4453.05     650 4537.07  646.29    4552   644.8 4637.89     640 4749.92     640
 4839.54  638.02 5145.74  622.71 5242.83  619.63 5838.44  614.53  5948.6     614
 7718.61     614 7817.57  614.44 7864.25  614.44 7965.07     615 8312.35     615
 8312.35  612.82 8469.19  612.82 8469.19     610 9104.01     610 9275.78  609.12
 9697.75  604.19 9880.72  601.79 9895.66  601.5710082.37     60010687.31     600
10830.97  571.5610930.97  571.5611130.97     60011584.01  603.2513124.37  609.06
13305.59  609.4913523.05  623.9713577.42   633.113740.51  652.3614030.46  662.18
14175.44  663.2514211.68   662.514483.51  660.1614501.63  660.6114719.09  667.95
14936.56     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510687.31     .1511130.97     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10687.3111130.97               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1308768.00   78663.84   506947.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)           1308768.00   78663.84   506947.90
  Q Total (cfs)           206224.30    Flow (cfs)             139096.70   10654.85   56472.79
  Top Width (ft)          14936.56    Top Width (ft)          10687.31     443.66    3805.59
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)           0.11       0.14       0.11
  Max Chl Dpth (ft)        188.32    Hydr. Depth (ft)          122.46     177.31     133.21
  Conv. Total (cfs)       472613100.0    Conv. (cfs)          318773800.0   24418170.0   129421100.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10734.66     448.46    3874.86
  Min Ch El (ft)           571.56    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     7368.07     476.61    2956.16
  C & E Loss (ft)            0.00    Cum SA (acres)             58.39       2.59      21.96


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1400.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.76  680.42  604.96  679.95  989.59   676.1 1008.27  676.06
 1286.47  677.91 1310.74  677.83 1979.19  667.33 2016.53  667.25 2177.11  669.66
 2218.18     670 2770.86     670 2823.14  669.54 3760.46  650.79 3831.41     650
 4453.17     650 4537.19  646.28 4552.13  644.79 4638.02     640 4750.05     640
 4839.67  638.02 5145.89  622.71 5242.98  619.63  5838.6  614.53 5948.77     614
 7718.83     614 7817.79  614.44 7864.47  614.44  7965.3     615 8312.59     615
 8312.59  612.81 8469.43  612.81 8469.43     610 9104.26     610 9276.04  609.11
 9698.02  604.19    9881  601.78 9895.94  601.5610082.65     60010687.61     600
10831.42  571.5610931.42  571.5611131.42     60011584.59  603.2513125.38  609.06
13306.65  609.4913524.17  624.0213578.55  633.1413741.69  652.3714031.72  662.19
14176.74  663.2514212.99   662.514484.89  660.1614503.02  660.6114720.54  667.97
14938.07     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510687.61     .1511131.42     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10687.6111131.42               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1308811.00   78689.84   507069.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)           1308811.00   78689.84   507069.40
  Q Total (cfs)           206224.30    Flow (cfs)             139087.60   10657.32   56479.38
  Top Width (ft)          14938.07    Top Width (ft)          10687.61     443.81    3806.65
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)           0.11       0.14       0.11
  Max Chl Dpth (ft)        188.32    Hydr. Depth (ft)          122.46     177.31     133.21
  Conv. Total (cfs)       472660900.0    Conv. (cfs)          318785200.0   24426310.0   129449300.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10734.96     448.61    3875.92
  Min Ch El (ft)           571.56    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     7353.04     475.71    2950.34
  C & E Loss (ft)            0.00    Cum SA (acres)             58.27       2.59      21.91


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 1399.5*

INPUT
Description:
Station Elevation Data    num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  593.77  680.42  604.98  679.95  989.62   676.1 1008.29  676.06
  1286.51  677.91 1310.78  677.83 1979.24  667.33 2016.59  667.25 2177.17  669.66
  2218.25     670 2770.94     670 2823.22  669.54 3760.56  650.79 3831.52     650
   4453.3     650 4537.32  646.27 4552.26  644.77 4638.15     640 4750.18     640
  4839.81  638.01 5146.03   622.7 5243.13  619.63 5838.77  614.52 5948.93     614
  7719.05     614 7818.01  614.44 7864.69  614.44 7965.52     615 8312.82     615
  8312.82   612.8 8469.67   612.8 8469.67     610 9104.52     610  9276.3  609.11
  9698.29  604.19 9881.28  601.78 9896.22  601.5610082.94     60010687.92     600
10831.87  571.5610931.87  571.5611131.87     60011585.17  603.2613126.38  609.07
 13307.7  609.4913525.29  624.0713579.68  633.1913742.87  652.3714032.98   662.2
14178.04  663.24 14214.3  662.4914486.28  660.1614504.41  660.6214721.99     668
14939.58     695

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1510687.92     .1511131.87     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10687.9211131.87               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1308860.00   78714.33   507172.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1308860.00   78714.33   507172.30
  Q Total (cfs)           206224.30    Flow (cfs)              139081.30   10659.72   56483.27
  Top Width (ft)          14939.58    Top Width (ft)          10687.92     443.95    3807.71
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.32    Hydr. Depth (ft)          122.46     177.30     133.20
  Conv. Total (cfs)       472702600.0    Conv. (cfs)            318798900.0   24433970.0   129469600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10735.27     448.74    3876.97
  Min Ch El (ft)            571.56    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7338.02     474.80    2944.52
  C & E Loss (ft)             0.00    Cum SA (acres)             58.14       2.58      21.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1399.*

INPUT
Description:
Station Elevation Data    num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  593.79  680.41  604.99  679.95  989.65   676.1 1008.32  676.06
  1286.54  677.91 1310.82  677.83  1979.3  667.33 2016.64  667.25 2177.23  669.66
  2218.31     670 2771.02     670  2823.3  669.53 3760.67  650.79 3831.62     650
  4453.42     650 4537.45  646.25 4552.39  644.76 4638.28     640 4750.32     640
  4839.95     638 5146.18  622.69 5243.28  619.63 5838.93  614.52  5949.1     614
  7719.27     614 7818.23  614.44 7864.92  614.44 7965.75     615 8313.06     615
  8313.06  612.79 8469.91  612.79 8469.91     610 9104.78     610 9276.57  609.11
  9698.57  604.18 9881.56  601.78  9896.5  601.5510083.22     60010688.22     600
10832.33  571.5610932.33  571.5611132.33     60011585.75  603.2613127.39  609.07
13308.76  609.4913526.41  624.1113580.82  633.2313744.05  652.3814034.24  662.21
14179.33  663.2414215.61  662.4814487.66  660.16 14505.8  660.6214723.44  668.03
14941.09     695

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1510688.22     .1511132.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10688.2211132.33               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1308915.00   78742.21   507292.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1308915.00   78742.21   507292.90
  Q Total (cfs)           206224.30    Flow (cfs)              139072.80   10662.33   56489.14
  Top Width (ft)          14941.09    Top Width (ft)          10688.22     444.11    3808.76
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.32    Hydr. Depth (ft)          122.46     177.30     133.19
  Conv. Total (cfs)       472755800.0    Conv. (cfs)            318815500.0   24442690.0   129497700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10735.57     448.90    3878.02
  Min Ch El (ft)            571.56    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7323.00     473.90    2938.70
  C & E Loss (ft)             0.00    Cum SA (acres)             58.02       2.58      21.83


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1398.5*

INPUT
Description:
Station Elevation Data    num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  593.81  680.41  605.01  679.95  989.68   676.1 1008.35  676.06
  1286.58  677.91 1310.86  677.83 1979.36  667.32  2016.7  667.25 2177.29  669.66
  2218.37     670  2771.1     670 2823.38  669.53 3760.78  650.78 3831.73     650
  4453.55     650 4537.58  646.24 4552.52  644.75 4638.41     640 4750.45     640
  4840.08     638 5146.32  622.68 5243.42  619.63  5839.1  614.52 5949.27     614
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 7719.49     614 7818.45  614.44 7865.14  614.44 7965.97     615 8313.29     615
 8313.29  612.79 8470.15  612.79 8470.15     610 9105.04     610 9276.83   609.1
 9698.84  604.18 9881.84  601.77 9896.78  601.5510083.51     60010688.52     600
10832.78  571.5610932.78  571.5611132.78     60011586.33  603.27 13128.4  609.07
13309.82  609.4913527.52  624.1613581.95  633.2813745.23  652.39 14035.5  662.21
14180.63  663.2314216.92  662.4814489.05  660.1514507.19  660.6214724.89  668.06
 14942.6     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510688.52     .1511132.78     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10688.5211132.78               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1308967.00   78768.40   507405.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1308967.00   78768.40   507405.40
  Q Total (cfs)           206224.30    Flow (cfs)              139065.40   10664.82   56494.07
  Top Width (ft)          14942.60    Top Width (ft)          10688.52     444.26    3809.82
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.32    Hydr. Depth (ft)          122.46     177.30     133.18
  Conv. Total (cfs)       472803700.0    Conv. (cfs)             318830700.0   24450880.0   129522100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10735.87     449.05    3879.07
  Min Ch El (ft)            571.56    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7307.97     473.00    2932.87
  C & E Loss (ft)             0.00    Cum SA (acres)             57.90       2.57      21.78


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1398.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.82  680.41  605.03  679.95  989.71   676.1 1008.38  676.06
 1286.62  677.91 1310.89  677.83 1979.41  667.32 2016.76  667.25 2177.35  669.66
 2218.43     670 2771.18     670 2823.46  669.53 3760.88  650.78 3831.84     650
 4453.68     650 4537.71  646.23 4552.65  644.74 4638.55     640 4750.59     640
 4840.22  637.99 5146.47  622.68 5243.57  619.63 5839.26  614.52 5949.44     614
  7719.7     614 7818.68  614.44 7865.36  614.44  7966.2     615 8313.53     615
 8313.53  612.78 8470.39  612.78 8470.39     610 9105.29     610 9277.09   609.1
 9699.12  604.18 9882.12  601.77 9897.06  601.5410083.79     60010688.82     600
10833.23  571.5610933.23  571.5611133.23     60011586.91  603.2713129.41  609.07
13310.88  609.4913528.64  624.2113583.08  633.3213746.41   652.414036.76  662.22
14181.93  663.2214218.23  662.4714490.43  660.1514508.58  660.6214726.34  668.08
14944.11     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510688.82     .1511133.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10688.8211133.23               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1309010.00   78794.41   507529.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1309010.00   78794.41   507529.30
  Q Total (cfs)           206224.30    Flow (cfs)              139056.00   10667.27   56500.98
  Top Width (ft)          14944.11    Top Width (ft)          10688.82     444.41    3810.88
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.32    Hydr. Depth (ft)          122.47     177.30     133.18
  Conv. Total (cfs)       472852400.0    Conv. (cfs)             318842000.0   24459020.0   129551300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10736.17     449.20    3880.13
  Min Ch El (ft)            571.56    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7292.95     472.09    2927.05
  C & E Loss (ft)             0.00    Cum SA (acres)             57.78       2.57      21.74


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1397.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.84  680.41  605.04  679.95  989.73   676.1 1008.41  676.06
 1286.65  677.91 1310.93  677.83 1979.47  667.32 2016.82  667.25 2177.41  669.66
  2218.5     670 2771.25     670 2823.54  669.53 3760.99  650.78 3831.95     650
  4453.8     650 4537.84  646.22 4552.77  644.72 4638.68     640 4750.72     640
 4840.36  637.98 5146.62  622.67 5243.72  619.63 5839.43  614.52 5949.61     614
 7719.92     614  7818.9  614.45 7865.58  614.45 7966.42     615 8313.76     615
 8313.76  612.77 8470.63  612.77 8470.63     610 9105.55     610 9277.35   609.1
 9699.39  604.17  9882.4  601.76 9897.34  601.5410084.08     60010689.12     600
10833.69  571.5510933.69  571.5511133.69     60011587.49  603.2813130.41  609.08
13311.93   609.513529.76  624.2613584.21  633.3713747.58  652.4114038.02  662.23
14183.23  663.2214219.54  662.4614491.82  660.1514509.97  660.6214727.79  668.11
14945.62     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510689.12     .1511133.69     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10689.1211133.69               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1309056.00   78825.02   507626.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1309056.00   78825.02   507626.50
  Q Total (cfs)           206224.30    Flow (cfs)              139049.60   10670.71   56504.00
  Top Width (ft)          14945.62    Top Width (ft)          10689.12     444.57    3811.93
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.33    Hydr. Depth (ft)          122.47     177.31     133.17
  Conv. Total (cfs)       472893200.0    Conv. (cfs)            318854800.0   24469030.0   129569400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10736.47     449.36    3881.17
  Min Ch El (ft)            571.55    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7277.92     471.19    2921.22
  C & E Loss (ft)             0.00    Cum SA (acres)             57.65       2.56      21.69


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1397.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.86  680.41  605.06  679.95  989.76   676.1 1008.44  676.06
 1286.69  677.91 1310.97  677.83 1979.52  667.32 2016.87  667.25 2177.48  669.66
 2218.56     670 2771.33     670 2823.62  669.53 3761.09  650.78 3832.06     650
 4453.93     650 4537.96   646.2  4552.9  644.71 4638.81     640 4750.86     640
 4840.49  637.98 5146.76  622.66 5243.87  619.62 5839.59  614.52 5949.77     614
 7720.14     614 7819.12  614.45  7865.8  614.45 7966.65     615    8314     615
    8314  612.76 8470.87  612.76 8470.87     610 9105.81     610 9277.62  609.09
 9699.66  604.17 9882.68  601.76 9897.62  601.5410084.36     60010689.43     600
10834.14  571.5510934.14  571.5511134.14     60011588.07  603.2813131.42  609.08
13312.99   609.513530.88  624.3113585.35  633.4113748.76  652.4114039.28  662.24
14184.53  663.2114220.85  662.46 14493.2  660.1514511.36  660.6314729.25  668.14
14947.13     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510689.43     .1511134.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10689.4311134.14               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1309106.00   78849.33   507748.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1309106.00   78849.33   507748.00
  Q Total (cfs)           206224.30    Flow (cfs)              139041.00   10672.90   56510.35
  Top Width (ft)          14947.13    Top Width (ft)          10689.43     444.71    3812.99
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.33    Hydr. Depth (ft)          122.47     177.31     133.16
  Conv. Total (cfs)       472943200.0    Conv. (cfs)            318868900.0   24476630.0   129597600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10736.78     449.49    3882.23
  Min Ch El (ft)            571.55    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7262.90     470.28    2915.40
  C & E Loss (ft)             0.00    Cum SA (acres)             57.53       2.56      21.65


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1396.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.87  680.41  605.08  679.95  989.79   676.1 1008.46  676.06
 1286.73  677.91    1311  677.83 1979.58  667.32 2016.93  667.25 2177.54  669.66
 2218.62     670 2771.41     670  2823.7  669.53  3761.2  650.78 3832.17     650
 4454.05     650 4538.09  646.19 4553.03   644.7 4638.94     640 4750.99     640
 4840.63  637.97 5146.91  622.65 5244.02  619.62 5839.76  614.52 5949.94     614
 7720.36     614 7819.34  614.45 7866.03  614.45 7966.87     615 8314.23     615
 8314.23  612.76 8471.11  612.76 8471.11     610 9106.06     610 9277.88  609.09
 9699.94  604.17 9882.96  601.76  9897.9  601.5310084.65     60010689.73     600
10834.59  571.5510934.59  571.5511134.59     60011588.65  603.2913132.43  609.08
13314.05   609.513531.99  624.3613586.48  633.4613749.94  652.4214040.53  662.24
14185.83  663.2114222.16  662.4514494.59  660.1514512.75  660.63 14730.7  668.17
14948.64     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510689.73     .1511134.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10689.7311134.59               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1309148.00   78875.34   507859.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1309148.00   78875.34   507859.70
  Q Total (cfs)           206224.30    Flow (cfs)              139033.20   10675.46   56515.61
  Top Width (ft)          14948.64    Top Width (ft)          10689.73     444.86    3814.05
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  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.33    Hydr. Depth (ft)          122.47     177.30     133.16
  Conv. Total (cfs)       472986800.0    Conv. (cfs)            318880400.0   24484770.0   129621700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10737.08     449.64    3883.28
  Min Ch El (ft)            571.55    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7247.87     469.38    2909.57
  C & E Loss (ft)             0.00    Cum SA (acres)             57.41       2.55      21.61


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1396.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.89  680.41   605.1  679.95  989.82   676.1 1008.49  676.06
 1286.76  677.91 1311.04  677.83 1979.64  667.32 2016.99  667.25  2177.6  669.66
 2218.69     670 2771.49     670 2823.78  669.52 3761.31  650.77 3832.27     650
 4454.18     650 4538.22  646.18 4553.16  644.68 4639.07     640 4751.12     640
 4840.77  637.96 5147.05  622.65 5244.17  619.62 5839.92  614.51 5950.11     614
 7720.58     614 7819.56  614.45 7866.25  614.45  7967.1     615 8314.47     615
 8314.47  612.75 8471.34  612.75 8471.34     610 9106.32     610 9278.14  609.09
 9700.21  604.16 9883.24  601.75 9898.18  601.5310084.93     60010690.03     600
10835.04  571.5510935.04  571.5511135.04     60011589.22  603.2913133.43  609.08
13315.11   609.513533.11   624.413587.61   633.513751.12  652.4314041.79  662.25
14187.13   663.214223.46  662.4414495.97  660.1514514.14  660.6314732.14  668.19
14950.15     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510690.03     .1511135.04     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10690.0311135.04               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1309207.00   78901.53   507984.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1309207.00   78901.53   507984.60
  Q Total (cfs)           206224.30    Flow (cfs)              139024.70   10677.78   56521.86
  Top Width (ft)          14950.15    Top Width (ft)          10690.03     445.01    3815.11
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.33    Hydr. Depth (ft)          122.47     177.30     133.15
  Conv. Total (cfs)       473042700.0    Conv. (cfs)            318898400.0   24492960.0   129651300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10737.38     449.79    3884.34
  Min Ch El (ft)            571.55    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7232.84     468.47    2903.74
  C & E Loss (ft)             0.00    Cum SA (acres)             57.29       2.55      21.56


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1395.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.91  680.41  605.11  679.95  989.85   676.1 1008.52  676.06
  1286.8  677.91 1311.08  677.83 1979.69  667.32 2017.04  667.26 2177.66  669.66
 2218.75     670 2771.57     670 2823.86  669.52 3761.41  650.77 3832.38     650
 4454.31     650 4538.35  646.17 4553.29  644.67  4639.2     640 4751.26     640
 4840.91  637.95  5147.2  622.64 5244.31  619.62 5840.09  614.51 5950.28     614
  7720.8     614 7819.78  614.45 7866.47  614.45 7967.32     615  8314.7     615
  8314.7  612.74 8471.58  612.74 8471.58     610 9106.58     610  9278.4  609.09
 9700.49  604.16 9883.51  601.75 9898.46  601.5210085.22     60010690.33     600
 10835.5  571.55 10935.5  571.55 11135.5     600 11589.8  603.313134.44  609.09
13316.16   609.513534.23  624.4513588.75  633.55 13752.3  652.4414043.05  662.26
14188.43  663.1914224.77  662.4414497.36  660.1514515.53  660.6314733.59  668.22
14951.66     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510690.33     .15 11135.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10690.33 11135.5               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1309251.00   78929.41   508083.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1309251.00   78929.41   508083.40
  Q Total (cfs)           206224.30    Flow (cfs)              139018.30   10680.69   56525.36
  Top Width (ft)          14951.66    Top Width (ft)          10690.33     445.17    3816.16
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.33    Hydr. Depth (ft)          122.47     177.30     133.14
  Conv. Total (cfs)       473081900.0    Conv. (cfs)            318910100.0   24501680.0   129670100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10737.68     449.94    3885.38
  Min Ch El (ft)            571.55    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7217.81     467.57    2897.90
  C & E Loss (ft)             0.00    Cum SA (acres)             57.16       2.54      21.52


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1395.*

INPUT
Description:
Station Elevation Data     num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.92  680.41  605.13  679.95  989.87   676.1 1008.55  676.06
 1286.84  677.91 1311.12  677.83 1979.75  667.32  2017.1  667.26 2177.72  669.67
 2218.81     670 2771.65     670 2823.94  669.52 3761.52  650.77 3832.49     650
 4454.43     650 4538.48  646.15 4553.42  644.66 4639.33     640 4751.39     640
 4841.04  637.95 5147.34  622.63 5244.46  619.62 5840.25  614.51 5950.45     614
 7721.01     614    7820  614.45 7866.69  614.45 7967.55     615 8314.94     615
 8314.94  612.73 8471.82  612.73 8471.82     610 9106.84     610 9278.66  609.08
 9700.76  604.16 9883.79  601.74 9898.74  601.52 10085.5     60010690.63     600
10835.95  571.5510935.95  571.5511135.95     60011590.38  603.313135.45  609.09
13317.22   609.513535.35   624.513589.88   633.613753.47  652.4514044.31  662.27
14189.73  663.1914226.08  662.4314498.74  660.1514516.92  660.6314735.04  668.25
14953.17     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510690.63     .1511135.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10690.6311135.95               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1309296.00   78955.59   508202.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1309296.00   78955.59   508202.70
  Q Total (cfs)           206224.30    Flow (cfs)              139009.60   10683.18   56531.55
  Top Width (ft)          14953.17    Top Width (ft)           10690.63     445.32    3817.22
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.33    Hydr. Depth (ft)           122.47     177.30     133.13
  Conv. Total (cfs)       473129600.0    Conv. (cfs)            318922400.0   24509870.0   129697400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         10737.98     450.09    3886.44
  Min Ch El (ft)            571.55    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7202.79     466.66    2892.07
  C & E Loss (ft)             0.00    Cum SA (acres)             57.04       2.54      21.48


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1394.5*

INPUT
Description:
Station Elevation Data     num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.94   680.4  605.15  679.95   989.9   676.1 1008.58  676.06
 1286.87  677.91 1311.15  677.82  1979.8  667.32 2017.16  667.26 2177.78  669.67
 2218.87     670 2771.72     670 2824.02  669.52 3761.63  650.77  3832.6     650
 4454.56     650  4538.6  646.14 4553.55  644.65 4639.46     640 4751.53     640
 4841.18  637.94 5147.49  622.63 5244.61  619.62 5840.42  614.51 5950.62     614
 7721.23     614 7820.22  614.45 7866.92  614.45 7967.77     615 8315.17     615
 8315.17  612.73 8472.06  612.73 8472.06     610 9107.09     610 9278.93  609.08
 9701.04  604.15 9884.07  601.74 9899.01  601.5110085.79     60010690.94     600
10836.41  571.5510936.41  571.5511136.41     60011590.96  603.3113136.46  609.09
13318.28   609.513536.46  624.5513591.01  633.6413754.65  652.4614045.57  662.27
14191.03  663.1814227.39  662.4214500.13  660.1514518.31  660.64 14736.5  668.28
14954.68     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510690.94     .1511136.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10690.9411136.41               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1309347.00   78981.61   508313.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1309347.00   78981.61   508313.70
  Q Total (cfs)           206224.30    Flow (cfs)              139002.20   10685.67   56536.39
  Top Width (ft)          14954.68    Top Width (ft)           10690.94     445.47    3818.27
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.33    Hydr. Depth (ft)           122.47     177.30     133.13
  Conv. Total (cfs)       473176500.0    Conv. (cfs)            318937100.0   24518000.0   129721300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         10738.29     450.24    3887.48
  Min Ch El (ft)            571.55    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7187.76     465.75    2886.24
  C & E Loss (ft)             0.00    Cum SA (acres)             56.92       2.53      21.43


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1394.*

INPUT
Description:
Station Elevation Data     num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.96   680.4  605.16  679.95  989.93   676.1 1008.61  676.06
 1286.91  677.91 1311.19  677.82 1979.86  667.32 2017.21  667.26 2177.84  669.67
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 2218.94     670  2771.8     670  2824.1  669.52 3761.73  650.77 3832.71     650
 4454.68     650 4538.73  646.13 4553.68  644.63 4639.59     640 4751.66     640
 4841.32  637.93 5147.63  622.62 5244.76  619.62 5840.58  614.51 5950.78     614
 7721.45     614 7820.44  614.46 7867.14  614.46    7968     615 8315.41     615
 8315.41  612.72  8472.3  612.72  8472.3     610 9107.35     610 9279.19  609.08
 9701.31  604.15 9884.35  601.73 9899.29  601.5110086.07     60010691.24     600
10836.86  571.5410936.86  571.5411136.86     60011591.54  603.3113137.46  609.09
13319.33  609.5113537.58   624.613592.14  633.6913755.83  652.4614046.83  662.28
14192.33  663.18 14228.7  662.4214501.51  660.15 14519.7  660.6414737.95   668.3
14956.19     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510691.24     .1511136.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10691.2411136.86               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1309390.00   79010.52   508434.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1309390.00   79010.52   508434.10
  Q Total (cfs)           206224.30    Flow (cfs)              138992.90   10688.70   56542.66
  Top Width (ft)          14956.19    Top Width (ft)          10691.24     445.62    3819.33
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.34    Hydr. Depth (ft)          122.47     177.30     133.12
  Conv. Total (cfs)       473225300.0    Conv. (cfs)            318948700.0   24527480.0   129749100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10738.59     450.39    3888.53
  Min Ch El (ft)            571.54    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7172.73     464.85    2880.40
  C & E Loss (ft)             0.00    Cum SA (acres)             56.80       2.53      21.39


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1393.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.97   680.4  605.18  679.95  989.96   676.1 1008.64  676.06
 1286.94  677.91 1311.23  677.82 1979.92  667.32 2017.27  667.26 2177.91  669.67
    2219     670 2771.88     670 2824.18  669.52 3761.84  650.76 3832.82     650
 4454.81     650 4538.86  646.11  4553.8  644.62 4639.73     640  4751.8     640
 4841.45  637.93 5147.78  622.61 5244.91  619.62 5840.75  614.51 5950.95     614
 7721.67     614 7820.66  614.46 7867.36  614.46 7968.22     615 8315.64     615
 8315.64  612.71 8472.54  612.71 8472.54     610 9107.61     610 9279.45  609.07
 9701.58  604.15 9884.63  601.73 9899.57  601.5110086.36     60010691.54     600
10837.31  571.5410937.31  571.5411137.31     60011592.12  603.3213138.47   609.1
13320.39  609.51 13538.7  624.6513593.28  633.7313757.01  652.4714048.09  662.29
14193.62  663.1714230.01  662.41 14502.9  660.1514521.09  660.64 14739.4  668.33
 14957.7     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510691.54     .1511137.31     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10691.5411137.31               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1309440.00   79036.54   508537.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1309440.00   79036.54   508537.30
  Q Total (cfs)           206224.30    Flow (cfs)              138986.60   10691.27   56546.42
  Top Width (ft)          14957.70    Top Width (ft)          10691.54     445.77    3820.39
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.34    Hydr. Depth (ft)          122.47     177.30     133.11
  Conv. Total (cfs)       473268300.0    Conv. (cfs)            318963100.0   24535620.0   129769500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10738.89     450.54    3889.59
  Min Ch El (ft)            571.54    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7157.70     463.94    2874.57
  C & E Loss (ft)             0.00    Cum SA (acres)             56.67       2.52      21.34


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1393.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.99   680.4   605.2  679.95  989.99   676.1 1008.66  676.06
 1286.98  677.91 1311.26  677.82 1979.97  667.31 2017.33  667.26 2177.97  669.67
 2219.06     670 2771.96     670 2824.26  669.51 3761.94  650.76 3832.92     650
 4454.93     650 4538.99   646.1 4553.93  644.61 4639.86     640 4751.93     640
 4841.59  637.92 5147.92   622.6 5245.06  619.61 5840.91  614.51 5951.12     614
 7721.89     614 7820.89  614.46 7867.58  614.46 7968.45     615 8315.88     615
 8315.88   612.7 8472.78   612.7 8472.78     610 9107.87     610 9279.71  609.07
 9701.86  604.15 9884.91  601.73 9899.85   601.510086.64     60010691.84     600
10837.76  571.5410937.76  571.5411137.76     600 11592.7  603.3213139.48   609.1
13321.45  609.5113539.82  624.6913594.41  633.7813758.19  652.4814049.35   662.3
14194.92  663.1614231.32   662.414504.28  660.1514522.48  660.6414740.85  668.36
14959.21     695

Manning's n Values        num=       3
```

```
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510691.84     .1511137.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10691.8411137.76               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1309496.00   79062.73   508659.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1309496.00   79062.73   508659.00
  Q Total (cfs)           206224.30    Flow (cfs)              138978.30   10693.64   56552.39
  Top Width (ft)          14959.21    Top Width (ft)          10691.84     445.92    3821.45
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.34    Hydr. Depth (ft)          122.48     177.30     133.11
  Conv. Total (cfs)       473321600.0    Conv. (cfs)            318979900.0   24543810.0   129797800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10739.19     450.68    3890.65
  Min Ch El (ft)            571.54    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7142.67     463.03    2868.73
  C & E Loss (ft)             0.00    Cum SA (acres)             56.55       2.52      21.30


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1392.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.01   680.4  605.22  679.95  990.01   676.1 1008.69  676.06
 1287.02  677.91  1311.3  677.82 1980.03  667.31 2017.39  667.26 2178.03  669.67
 2219.12     670 2772.04     670 2824.34  669.51 3762.05  650.76 3833.03     650
 4455.06     650 4539.12  646.09 4554.06  644.59 4639.99     640 4752.06     640
 4841.73  637.91 5148.07   622.6  5245.2  619.61 5841.08  614.51 5951.29     614
  7722.1     614 7821.11  614.46  7867.8  614.46 7968.67     615 8316.11     615
 8316.11   612.7 8473.02   612.7 8473.02     610 9108.12     610 9279.97  609.07
 9702.13  604.14 9885.19  601.72 9900.13   601.510086.93     60010692.14     600
10838.22  571.5410938.22  571.5411138.22     60011593.28  603.3213140.48   609.1
13322.51  609.5113540.94  624.7413595.54  633.8213759.37  652.49 14050.6   662.3
14196.22  663.1614232.63   662.414505.66  660.1514523.87  660.65 14742.3  668.39
14960.72     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510692.14     .1511138.22     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10692.1411138.22               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1309541.00   79090.61   508777.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1309541.00   79090.61   508777.40
  Q Total (cfs)           206224.30    Flow (cfs)              138969.40   10696.36   56558.50
  Top Width (ft)          14960.72    Top Width (ft)          10692.14     446.08    3822.50
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.34    Hydr. Depth (ft)          122.48     177.30     133.10
  Conv. Total (cfs)       473369300.0    Conv. (cfs)            318991900.0   24552530.0   129825000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10739.49     450.84    3891.69
  Min Ch El (ft)            571.54    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7127.64     462.12    2862.89
  C & E Loss (ft)             0.00    Cum SA (acres)             56.43       2.51      21.26


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1392.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.02   680.4  605.23  679.95  990.04   676.1 1008.72  676.06
 1287.05  677.91 1311.34  677.82 1980.08  667.31 2017.44  667.26 2178.09  669.67
 2219.19     670 2772.12     670 2824.42  669.51 3762.16  650.76 3833.14     650
 4455.19     650 4539.25  646.08 4554.19  644.58 4640.12     640  4752.2     640
 4841.86  637.91 5148.22  622.59 5245.35  619.61 5841.24   614.5 5951.46     614
 7722.32     614 7821.33  614.46 7868.03  614.46  7968.9     615 8316.35     615
 8316.35  612.69 8473.26  612.69 8473.26     610 9108.38     610 9280.24  609.06
 9702.41  604.14 9885.47  601.72 9900.41  601.4910087.21     60010692.45     600
10838.67  571.5410938.67  571.5411138.67     60011593.86  603.3313141.49   609.1
13323.57  609.5113542.05  624.7913596.68  633.8713760.54   652.514051.86  662.31
14197.52  663.1514233.94  662.3914507.05  660.1514525.26  660.6514743.75  668.41
14962.24     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510692.45     .1511138.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10692.4511138.67               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1309591.00   79114.92   508890.60
```

```
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1309591.00   79114.92   508890.60
  Q Total (cfs)           206224.30    Flow (cfs)              138962.10   10698.62   56563.60
  Top Width (ft)          14962.24    Top Width (ft)          10692.45     446.22    3823.57
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.34    Hydr. Depth (ft)          122.48     177.30     133.09
  Conv. Total (cfs)       473415700.0    Conv. (cfs)             319006200.0   24560130.0   129849400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10739.80     450.98    3892.76
  Min Ch El (ft)            571.54    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7112.60     461.22    2857.05
  C & E Loss (ft)             0.00    Cum SA (acres)             56.30       2.51      21.21


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1391.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.04   680.4  605.25  679.95  990.07   676.1 1008.75  676.06
 1287.09  677.91 1311.37  677.82 1980.14  667.31  2017.5  667.26 2178.15  669.67
 2219.25     670 2772.19     670  2824.5  669.51 3762.26  650.75 3833.25     650
 4455.31     650 4539.37  646.06 4554.32  644.57 4640.25     640 4752.33     640
    4842   637.9 5148.36  622.58  5245.5  619.61 5841.41   614.5 5951.62     614
 7722.54     614 7821.55  614.46 7868.25  614.46 7969.12     615 8316.58     615
 8316.58  612.68  8473.5  612.68  8473.5     610 9108.64     610  9280.5  609.06
 9702.68  604.14 9885.75  601.71 9900.69  601.49 10087.5     60010692.75     600
10839.12  571.5410939.12  571.5411139.12     60011594.44  603.33 13142.5  609.11
13324.62  609.5113543.17  624.8413597.81  633.9113761.72   652.514053.12  662.32
14198.82  663.1514235.25  662.3814508.43  660.1514526.65  660.65 14745.2  668.44
14963.75     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510692.75     .1511139.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10692.7511139.12               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1309640.00   79141.11   509004.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1309640.00   79141.11   509004.60
  Q Total (cfs)           206224.30    Flow (cfs)              138954.30   10701.12   56568.85
  Top Width (ft)          14963.75    Top Width (ft)          10692.75     446.37    3824.63
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.34    Hydr. Depth (ft)          122.48     177.30     133.09
  Conv. Total (cfs)       473463100.0    Conv. (cfs)             319020400.0   24568320.0   129874400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10740.10     451.13    3893.81
  Min Ch El (ft)            571.54    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7097.57     460.31    2851.21
  C & E Loss (ft)             0.00    Cum SA (acres)             56.18       2.50      21.17


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1391.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.06   680.4  605.27  679.95   990.1   676.1 1008.78  676.06
 1287.13  677.91 1311.41  677.82 1980.19  667.31 2017.56  667.26 2178.21  669.67
 2219.31     670 2772.27     670 2824.58  669.51 3762.37  650.75 3833.36     650
 4455.44     650  4539.5  646.05 4554.45  644.56 4640.38     640 4752.47     640
 4842.14  637.89 5148.51  622.57 5245.65  619.61 5841.57   614.5 5951.79     614
 7722.76     614 7821.77  614.47 7868.47  614.47 7969.35     615 8316.82     615
 8316.82  612.67 8473.74  612.67 8473.74     610  9108.9     610 9280.76  609.06
 9702.95  604.13 9886.03  601.71 9900.97  601.4910087.78     60010693.05     600
10839.58  571.5310939.58  571.5311139.58     60011595.02  603.34 13143.5  609.11
13325.68  609.5113544.29  624.8913598.94  633.96 13762.9  652.5114054.38  662.33
14200.12  663.1414236.56  662.3814509.82  660.1514528.04  660.6514746.65  668.47
14965.26     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510693.05     .1511139.58     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10693.0511139.58               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1309685.00   79171.71   509111.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1309685.00   79171.71   509111.80
  Q Total (cfs)           206224.30    Flow (cfs)              138946.60   10704.47   56573.26
  Top Width (ft)          14965.26    Top Width (ft)          10693.05     446.53    3825.68
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.35    Hydr. Depth (ft)          122.48     177.30     133.08
  Conv. Total (cfs)       473507700.0    Conv. (cfs)             319032600.0   24578330.0   129896800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10740.40     451.29    3894.85
  Min Ch El (ft)            571.53    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7082.54     459.40    2845.36
  C & E Loss (ft)             0.00    Cum SA (acres)             56.06       2.50      21.12
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1390.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.08  680.39  605.28  679.95  990.13   676.1 1008.81  676.06
 1287.16  677.91 1311.45  677.82 1980.25  667.31 2017.61  667.26 2178.28  669.67
 2219.38     670 2772.35     670 2824.66  669.51 3762.48  650.75 3833.47     650
 4455.56     650 4539.63  646.04 4554.58  644.54 4640.51     640  4752.6     640
 4842.27  637.89 5148.65  622.57  5245.8  619.61 5841.74   614.5 5951.96     614
 7722.98     614 7821.99  614.47 7868.69  614.47 7969.57     615 8317.05     615
 8317.05  612.67 8473.98  612.67 8473.98     610 9109.15     610 9281.02  609.05
 9703.23  604.13 9886.31  601.71 9901.25  601.4810088.07     60010693.35     600
10840.03  571.5310940.03  571.5311140.03     60011595.59  603.3413144.51  609.11
13326.74  609.5213545.41  624.9413600.08     63413764.08  652.5214055.64  662.33
14201.42  663.1314237.87  662.37 14511.2  660.1514529.43  660.65 14748.1   668.5
14966.77     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510693.35     .1511140.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10693.3511140.03               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1309731.00   79197.90   509233.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1309731.00   79197.90   509233.50
  Q Total (cfs)           206224.30    Flow (cfs)              138937.60   10706.93   56579.74
  Top Width (ft)          14966.77    Top Width (ft)          10693.35     446.68    3826.74
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.35    Hydr. Depth (ft)          122.48     177.30     133.07
  Conv. Total (cfs)       473556700.0    Conv. (cfs)            319045100.0   24586520.0   129925100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10740.70     451.43    3895.91
  Min Ch El (ft)            571.53    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7067.51     458.49    2839.52
  C & E Loss (ft)             0.00    Cum SA (acres)             55.94       2.49      21.08


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1390.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.09  680.39   605.3  679.95  990.15   676.1 1008.84  676.06
  1287.2  677.91 1311.49  677.82 1980.31  667.31 2017.67  667.27 2178.34  669.68
 2219.44     670 2772.43     670 2824.74  669.51 3762.58  650.75 3833.57     650
 4455.69     650 4539.76  646.02 4554.71  644.53 4640.64     640 4752.74     640
 4842.41  637.88  5148.8  622.56 5245.94  619.61  5841.9   614.5 5952.13     614
  7723.2     614 7822.21  614.47 7868.92  614.47  7969.8     615 8317.29     615
 8317.29  612.66 8474.22  612.66 8474.22     610 9109.41     610 9281.29  609.05
  9703.5  604.13 9886.59   601.7 9901.53  601.4810088.35     60010693.66     600
10840.48  571.5310940.48  571.5311140.48     60011596.17  603.3513145.52  609.11
13327.79  609.5213546.53  624.9813601.21  634.0513765.26  652.53 14056.9  662.34
14202.72  663.1314239.17  662.3614512.59  660.1514530.82  660.6614749.55  668.52
14968.28     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510693.66     .1511140.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10693.6611140.48               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1309775.00   79222.21   509345.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1309775.00   79222.21   509345.30
  Q Total (cfs)           206224.30    Flow (cfs)              138930.00   10709.25   56584.99
  Top Width (ft)          14968.28    Top Width (ft)          10693.66     446.82    3827.80
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.35    Hydr. Depth (ft)          122.48     177.30     133.06
  Conv. Total (cfs)       473600300.0    Conv. (cfs)            319057100.0   24594120.0   129949100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10741.01     451.57    3896.96
  Min Ch El (ft)            571.53    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7052.47     457.58    2833.67
  C & E Loss (ft)             0.00    Cum SA (acres)             55.81       2.49      21.04


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1389.5*

INPUT
Description:
Station Elevation Data    num=      56
```

```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.11  680.39  605.32  679.95  990.18   676.1 1008.86  676.06
 1287.24  677.91 1311.52  677.82 1980.36  667.31 2017.73  667.27  2178.4  669.68
  2219.5     670 2772.51     670 2824.82   669.5 3762.69  650.75 3833.68     650
 4455.82     650 4539.89  646.01 4554.83  644.52 4640.77     640 4752.87     640
 4842.55  637.87 5148.94  622.55 5246.09   619.6 5842.07   614.5  5952.3     614
 7723.41     614 7822.43  614.47 7869.14  614.47 7970.02     615 8317.52     615
 8317.52  612.65 8474.46  612.65 8474.46     610 9109.67     610 9281.55  609.05
 9703.78  604.12 9886.87   601.7 9901.81  601.4710088.64     60010693.96     600
10840.94  571.5310940.94  571.5311140.94     60011596.75  603.3513146.53  609.12
13328.85  609.5213547.64  625.0313602.34  634.0913766.43  652.5414058.16  662.35
14204.02  663.1214240.48  662.3614513.97  660.1514532.21  660.66   14751  668.55
14969.79     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510693.96     .1511140.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10693.9611140.94               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1309831.00   79250.10   509454.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1309831.00   79250.10   509454.70
  Q Total (cfs)           206224.30    Flow (cfs)              138923.00   10711.95   56589.33
  Top Width (ft)          14969.79    Top Width (ft)          10693.96     446.98    3828.85
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.35    Hydr. Depth (ft)          122.48     177.30     133.06
  Conv. Total (cfs)       473648900.0    Conv. (cfs)            319073600.0   24602840.0   129972400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10741.31     451.73    3898.01
  Min Ch El (ft)            571.53    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7037.44     456.67    2827.83
  C & E Loss (ft)             0.00    Cum SA (acres)             55.69       2.48      20.99


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1389.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.13  680.39  605.34  679.95  990.21   676.1 1008.89  676.06
 1287.27  677.92 1311.56  677.82 1980.42  667.31 2017.78  667.27 2178.46  669.68
 2219.56     670 2772.59     670  2824.9   669.5  3762.8  650.74 3833.79     650
 4455.94     650 4540.02     646 4554.96   644.5 4640.91     640    4753     640
 4842.68  637.87 5149.09  622.55 5246.24   619.6 5842.23   614.5 5952.47     614
 7723.63     614 7822.65  614.47 7869.36  614.47 7970.25     615 8317.76     615
 8317.76  612.64  8474.7  612.64  8474.7     610 9109.92     610 9281.81  609.05
 9704.05  604.12 9887.15  601.69 9902.09  601.4710088.92     60010694.26     600
10841.39  571.5310941.39  571.5311141.39     60011597.33  603.3613147.53  609.12
13329.91  609.5213548.76  625.0813603.47  634.1413767.61  652.5514059.42  662.36
14205.32  663.1114241.79  662.3514515.36  660.1514533.59  660.6614752.45  668.58
 14971.3     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510694.26     .1511141.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10694.2611141.39               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1309875.00   79276.12   509564.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1309875.00   79276.12   509564.90
  Q Total (cfs)           206224.30    Flow (cfs)              138915.50   10714.51   56594.34
  Top Width (ft)          14971.30    Top Width (ft)          10694.26     447.13    3829.91
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.35    Hydr. Depth (ft)          122.48     177.30     133.05
  Conv. Total (cfs)       473692400.0    Conv. (cfs)            319085500.0   24610980.0   129995900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10741.61     451.88    3899.06
  Min Ch El (ft)            571.53    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7022.40     455.76    2821.98
  C & E Loss (ft)             0.00    Cum SA (acres)             55.57       2.48      20.95


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1388.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.14  680.39  605.35  679.95  990.24   676.1 1008.92  676.06
 1287.31  677.92  1311.6  677.82 1980.47  667.31 2017.84  667.27 2178.52  669.68
 2219.63     670 2772.66     670 2824.98   669.5  3762.9  650.74  3833.9     650
 4456.07     650 4540.14  645.99 4555.09  644.49 4641.04     640 4753.14     640
 4842.82  637.86 5149.23  622.54 5246.39   619.6  5842.4  614.49 5952.63     614
 7723.85     614 7822.87  614.47 7869.58  614.47 7970.48     615 8317.99     615
 8317.99  612.64 8474.94  612.64 8474.94     610 9110.18     610 9282.07  609.04
 9704.33  604.12 9887.42  601.69 9902.37  601.4610089.21     60010694.56     600
10841.84  571.5310941.84  571.5311141.84     60011597.91  603.3613148.54  609.12
13330.97  609.5213549.88  625.1313604.61  634.1813768.79  652.5514060.67  662.36
14206.62  663.11 14243.1  662.3414516.74  660.1514534.99  660.66 14753.9  668.61
```

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14972.81     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510694.56     .1511141.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10694.5611141.84               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1309924.00   79302.30   509690.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1309924.00   79302.30   509690.00
  Q Total (cfs)           206224.30    Flow (cfs)              138906.30   10716.89   56601.06
  Top Width (ft)          14972.81    Top Width (ft)           10694.56     447.28    3830.97
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.35    Hydr. Depth (ft)           122.49     177.30     133.04
  Conv. Total (cfs)       473744500.0    Conv. (cfs)            319099700.0   24619160.0   130025600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         10741.91     452.02    3900.12
  Min Ch El (ft)            571.53    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7007.37     454.85    2816.13
  C & E Loss (ft)             0.00    Cum SA (acres)             55.44       2.47      20.90


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1388.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.16  680.39  605.37  679.95  990.27   676.1 1008.95  676.06
 1287.34  677.92 1311.63  677.82 1980.53  667.31  2017.9  667.27 2178.58  669.68
 2219.69     670 2772.74     670 2825.06   669.5 3763.01  650.74 3834.01     650
 4456.19     650 4540.27  645.97 4555.22  644.48 4641.17     640 4753.27     640
 4842.96  637.85 5149.38  622.53 5246.54   619.6 5842.56  614.49  5952.8     614
 7724.07     614 7823.09  614.47 7869.81  614.47  7970.7     615 8318.23     615
 8318.23  612.63 8475.17  612.63 8475.17     610 9110.44     610 9282.33  609.04
  9704.6  604.11  9887.7  601.68 9902.65  601.4610089.49     60010694.86     600
 10842.3  571.53 10942.3  571.53 11142.3     60011598.49  603.3713149.55  609.12
13332.02  609.52   13551  625.1813605.74  634.2313769.97  652.5614061.93  662.37
14207.92   663.114244.41  662.3414518.13  660.1514536.38  660.6614755.35  668.63
14974.32     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510694.86     .15 11142.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10694.86 11142.3               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1309972.00   79330.02   509799.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1309972.00   79330.02   509799.30
  Q Total (cfs)           206224.30    Flow (cfs)              138898.90   10719.64   56605.76
  Top Width (ft)          14974.32    Top Width (ft)           10694.86     447.44    3832.02
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.35    Hydr. Depth (ft)           122.49     177.30     133.04
  Conv. Total (cfs)       473789600.0    Conv. (cfs)            319113000.0   24627830.0   130048800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         10742.21     452.18    3901.17
  Min Ch El (ft)            571.53    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6992.33     453.94    2810.28
  C & E Loss (ft)             0.00    Cum SA (acres)             55.32       2.47      20.86


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1387.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.18  680.39  605.39  679.95  990.29   676.1 1008.98  676.06
 1287.38  677.92 1311.67  677.82 1980.59  667.31 2017.96  667.27 2178.65  669.68
 2219.75     670 2772.82     670 2825.14   669.5 3763.11  650.74 3834.12     650
 4456.32     650  4540.4  645.96 4555.35  644.47  4641.3     640 4753.41     640
 4843.09  637.85 5149.52  622.52 5246.69   619.6 5842.73  614.49 5952.97     614
 7724.29     614 7823.32  614.48 7870.03  614.48 7970.93     615 8318.46     615
 8318.46  612.62 8475.41  612.62 8475.41     610  9110.7     610  9282.6  609.04
 9704.87  604.11 9887.98  601.68 9902.93  601.4610089.78     60010695.17     600
10842.75  571.5210942.75  571.5211142.75     60011599.07  603.3713150.55  609.13
13333.08  609.5213552.12  625.2313606.87  634.2713771.15  652.5714063.19  662.38
14209.21   663.114245.72  662.3314519.51  660.1514537.76  660.67 14756.8  668.66
14975.83     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510695.17     .1511142.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10695.1711142.75               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
```

```
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1310013.00   79357.24   509909.80
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1310013.00   79357.24   509909.80
  Q Total (cfs)          206224.30    Flow (cfs)              138890.90   10722.56   56610.84
  Top Width (ft)         14975.83    Top Width (ft)          10695.17     447.58    3833.08
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        188.36    Hydr. Depth (ft)          122.49     177.30     133.03
  Conv. Total (cfs)      473832900.0    Conv. (cfs)            319123800.0   24636780.0   130072300.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10742.52     452.32    3902.22
  Min Ch El (ft)           571.52    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     6977.29     453.03    2804.42
  C & E Loss (ft)            0.00    Cum SA (acres)             55.20       2.46      20.82


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1387.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.19  680.39   605.4  679.95  990.32   676.1 1009.01  676.06
 1287.42  677.92 1311.71  677.82 1980.64   667.3 2018.01  667.27 2178.71  669.68
 2219.81     670  2772.9     670 2825.22   669.5 3763.22  650.74 3834.22     650
 4456.44     650 4540.53  645.95 4555.48  644.45 4641.43     640 4753.54     640
 4843.23  637.84 5149.67  622.52 5246.83   619.6 5842.89  614.49 5953.14     614
  7724.5     614 7823.54  614.48 7870.25  614.48 7971.15     615  8318.7     615
  8318.7  612.61 8475.65  612.61 8475.65     610 9110.96     610 9282.86  609.03
 9705.15  604.11 9888.26  601.68 9903.21  601.4510090.06     60010695.47     600
 10843.2  571.52 10943.2  571.52 11143.2     60011599.65  603.3813151.56  609.13
13334.14  609.5213553.23  625.2713608.01  634.3213772.33  652.5814064.45  662.39
14210.51  663.0914247.03  662.32 14520.9  660.1514539.15  660.6714758.25  668.69
14977.34     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510695.47     .15 11143.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10695.47 11143.2               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1310062.00   79383.43   510021.30
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1310062.00   79383.43   510021.30
  Q Total (cfs)          206224.30    Flow (cfs)              138883.50   10725.08   56615.75
  Top Width (ft)         14977.34    Top Width (ft)          10695.47     447.73    3834.14
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        188.36    Hydr. Depth (ft)          122.49     177.30     133.02
  Conv. Total (cfs)      473879000.0    Conv. (cfs)            319137800.0   24644970.0   130096300.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10742.82     452.47    3903.28
  Min Ch El (ft)           571.52    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     6962.26     452.12    2798.57
  C & E Loss (ft)            0.00    Cum SA (acres)             55.08       2.46      20.77


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1386.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.21  680.39  605.42  679.95  990.35   676.1 1009.03  676.06
 1287.45  677.92 1311.75  677.82  1980.7   667.3 2018.07  667.27 2178.77  669.68
 2219.88     670 2772.98     670  2825.3  669.49 3763.33  650.73 3834.33     650
 4456.57     650 4540.66  645.93 4555.61  644.44 4641.56     640 4753.68     640
 4843.37  637.83 5149.82  622.51 5246.98   619.6 5843.06  614.49 5953.31     614
 7724.72     614 7823.76  614.48 7870.47  614.48 7971.38     615 8318.93     615
 8318.93  612.61 8475.89  612.61 8475.89     610 9111.21     610 9283.12  609.03
 9705.42   604.1 9888.54  601.67 9903.49  601.4510090.35     60010695.77     600
10843.66  571.5210943.66  571.5211143.66     60011600.23  603.3813152.57  609.13
 13335.2  609.5313554.35  625.3213609.14  634.37 13773.5  652.5914065.71  662.39
14211.81  663.0814248.34  662.3214522.28  660.1414540.54  660.67 14759.7  668.72
14978.85     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510695.77     .1511143.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10695.7711143.66               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1310119.00   79411.31   510139.80
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1310119.00   79411.31   510139.80
  Q Total (cfs)          206224.30    Flow (cfs)              138875.30   10727.68   56621.27
  Top Width (ft)         14978.85    Top Width (ft)          10695.77     447.89    3835.19
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)        188.36    Hydr. Depth (ft)          122.49     177.30     133.02
  Conv. Total (cfs)      473931900.0    Conv. (cfs)            319154700.0   24653680.0   130123500.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10743.12     452.63    3904.32
  Min Ch El (ft)           571.52    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
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  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     6947.22     451.21    2792.72
  C & E Loss (ft)            0.00    Cum SA (acres)             54.95       2.45      20.73


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1386.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.23  680.38  605.44  679.95  990.38   676.1 1009.06  676.06
 1287.49  677.92 1311.78  677.81 1980.75   667.3 2018.13  667.27 2178.83  669.68
 2219.94     670 2773.06     670 2825.38  669.49 3763.43  650.73 3834.44     650
  4456.7     650 4540.79  645.92 4555.73  644.43 4641.69     640 4753.81     640
  4843.5  637.82 5149.96   622.5 5247.13   619.6 5843.22  614.49 5953.47     614
 7724.94     614 7823.98  614.48 7870.69  614.48  7971.6     615 8319.17     615
 8319.17   612.6 8476.13   612.6 8476.13     610 9111.47     610 9283.38  609.03
  9705.7   604.1 9888.82  601.67 9903.77  601.4410090.63     60010696.07     600
10844.11  571.5210944.11  571.5211144.11     60011600.81  603.3913153.58  609.13
13336.25  609.5313555.47  625.3713610.27  634.4113774.68  652.5914066.97   662.4
14213.11  663.0814249.65  662.3114523.67  660.1414541.93  660.6714761.15  668.74
14980.36     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510696.07     .1511144.11     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10696.0711144.11               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1310170.00   79437.33   510254.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1310170.00   79437.33   510254.60
  Q Total (cfs)           206224.30    Flow (cfs)              138867.60   10730.13   56626.54
  Top Width (ft)          14980.36    Top Width (ft)          10696.07     448.04    3836.25
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.36    Hydr. Depth (ft)          122.49     177.30     133.01
  Conv. Total (cfs)       473980100.0    Conv. (cfs)             319169400.0   24661820.0   130148800.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10743.42     452.77    3905.38
  Min Ch El (ft)           571.52    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     6932.18     450.30    2786.86
  C & E Loss (ft)            0.00    Cum SA (acres)             54.83       2.45      20.68


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1385.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.24  680.38  605.46  679.95  990.41   676.1 1009.09  676.06
 1287.53  677.92 1311.82  677.81 1980.81   667.3 2018.18  667.27 2178.89  669.68
    2220     670 2773.13     670 2825.46  669.49 3763.54  650.73 3834.55     650
 4456.82     650 4540.91  645.91 4555.86  644.41 4641.82     640 4753.94     640
 4843.64  637.82 5150.11  622.49 5247.28  619.59 5843.39  614.49 5953.64     614
 7725.16     614  7824.2  614.48 7870.92  614.48 7971.83     615  8319.4     615
  8319.4  612.59 8476.37  612.59 8476.37     610 9111.73     610 9283.65  609.02
 9705.97   604.1  9889.1  601.66 9904.05  601.4410090.92     60010696.38     600
10844.56  571.5210944.56  571.5211144.56     60011601.38  603.3913154.58  609.14
13337.31  609.5313556.59  625.4213611.41  634.4613775.86   652.614068.23  662.41
14214.41  663.0714250.96   662.314525.05  660.1414543.32  660.67 14762.6  668.77
14981.87     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510696.38     .1511144.56     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10696.3811144.56               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1310220.00   79461.65   510366.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1310220.00   79461.65   510366.30
  Q Total (cfs)           206224.30    Flow (cfs)              138860.40   10732.39   56631.49
  Top Width (ft)          14981.87    Top Width (ft)          10696.38     448.18    3837.31
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.36    Hydr. Depth (ft)          122.49     177.30     133.00
  Conv. Total (cfs)       474026100.0    Conv. (cfs)             319183900.0   24669420.0   130172900.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10743.73     452.91    3906.43
  Min Ch El (ft)           571.52    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     6917.14     449.39    2781.00
  C & E Loss (ft)            0.00    Cum SA (acres)             54.71       2.44      20.64


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1385.*
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INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.26  680.38  605.47  679.95  990.43   676.1 1009.12  676.06
 1287.56  677.92 1311.86  677.81 1980.87   667.3 2018.24  667.27 2178.95  669.68
 2220.06     670 2773.21     670 2825.54  669.49 3763.65  650.73 3834.66     650
 4456.95     650 4541.04  645.9 4555.99   644.4 4641.95     640 4754.08     640
 4843.78  637.81 5150.25  622.49 5247.43  619.59 5843.55  614.48 5953.81     614
 7725.38     614 7824.42  614.48 7871.14  614.48 7972.05     615 8319.64     615
 8319.64  612.58 8476.61  612.58 8476.61     610 9111.98     610 9283.91  609.02
 9706.24  604.09 9889.38  601.66 9904.33  601.4410091.21     60010696.68     600
10845.01  571.5210945.01  571.5211145.01     60011601.96  603.413155.59  609.14
13338.37  609.53 13557.7  625.4713612.54   634.513777.04  652.6114069.49  662.42
14215.71  663.0714252.27   662.314526.43  660.1414544.71  660.6814764.05   668.8
14983.38     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510696.68     .1511145.01     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10696.6811145.01               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1310268.00   79487.83   510473.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1310268.00   79487.83   510473.80
  Q Total (cfs)           206224.30    Flow (cfs)              138853.40   10734.96   56635.94
  Top Width (ft)          14983.38    Top Width (ft)          10696.68     448.33    3838.37
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.36    Hydr. Depth (ft)          122.49     177.30     132.99
  Conv. Total (cfs)       474070000.0    Conv. (cfs)            319197200.0   24677610.0   130195100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10744.03     453.06    3907.49
  Min Ch El (ft)            571.52    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6902.10     448.47    2775.14
  C & E Loss (ft)             0.00    Cum SA (acres)             54.59       2.44      20.60


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1384.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.28  680.38  605.49  679.95  990.46   676.1 1009.15  676.06
  1287.6  677.92 1311.89  677.81 1980.92   667.3  2018.3  667.27 2179.01  669.69
 2220.13     670 2773.29     670 2825.62  669.49 3763.75  650.72 3834.77     650
 4457.07     650 4541.17  645.88 4556.12  644.39 4642.08     640 4754.21     640
 4843.92   637.8  5150.4  622.48 5247.57  619.59 5843.72  614.48 5953.98     614
  7725.6     614 7824.64  614.48 7871.36  614.48 7972.28     615 8319.87     615
 8319.87  612.58 8476.85  612.58 8476.85     610 9112.24     610 9284.17  609.02
 9706.52  604.09 9889.66  601.66 9904.61  601.4310091.49     60010696.98     600
10845.47  571.5210945.47  571.5211145.47     60011602.54   603.4 13156.6  609.14
13339.43  609.5313558.82  625.5213613.67  634.5513778.22  652.6214070.75  662.42
14217.01  663.0614253.58  662.2914527.82  660.14 14546.1  660.68 14765.5  668.83
14984.89     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510696.98     .1511145.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10696.9811145.47               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1310315.00   79515.55   510594.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1310315.00   79515.55   510594.60
  Q Total (cfs)           206224.30    Flow (cfs)              138844.50   10737.59   56642.19
  Top Width (ft)          14984.89    Top Width (ft)          10696.98     448.49    3839.42
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.36    Hydr. Depth (ft)          122.49     177.30     132.99
  Conv. Total (cfs)       474120100.0    Conv. (cfs)            319210500.0   24686270.0   130223300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10744.33     453.21    3908.53
  Min Ch El (ft)            571.52    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6887.06     447.56    2769.28
  C & E Loss (ft)             0.00    Cum SA (acres)             54.46       2.43      20.55


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1384.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.29  680.38  605.51  679.94  990.49   676.1 1009.18  676.06
 1287.64  677.92 1311.93  677.81 1980.98   667.3 2018.35  667.28 2179.08  669.69
 2220.19     670 2773.37     670  2825.7  669.49 3763.86  650.72 3834.87     650
  4457.2     650  4541.3  645.87 4556.25  644.38 4642.22     640 4754.35     640
 4844.05   637.8 5150.54  622.47 5247.72  619.59 5843.88  614.48 5954.15     614
 7725.81     614 7824.86  614.49 7871.58  614.49  7972.5     615 8320.11     615
 8320.11  612.57 8477.09  612.57 8477.09     610  9112.5     610 9284.43  609.01
 9706.79  604.09 9889.94  601.65 9904.89  601.4310091.77     60010697.28     600
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10845.92  571.5110945.92  571.5111145.92     60011603.12   603.4 13157.6  609.14
13340.48  609.5313559.94  625.56 13614.8  634.59 13779.4  652.63   14072  662.43
14218.31  663.0514254.88  662.28 14529.2  660.1414547.49  660.6814766.95  668.85
14986.41     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510697.28     .1511145.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10697.2811145.92               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1310360.00   79544.48   510720.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1310360.00   79544.48   510720.10
  Q Total (cfs)           206224.30    Flow (cfs)              138834.80   10740.56   56648.95
  Top Width (ft)          14986.41    Top Width (ft)          10697.28     448.64    3840.49
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.37    Hydr. Depth (ft)          122.49     177.30     132.98
  Conv. Total (cfs)       474171500.0    Conv. (cfs)            319222800.0   24695760.0   130252900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10744.63     453.36    3909.60
  Min Ch El (ft)            571.51    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6872.02     446.65    2763.42
  C & E Loss (ft)             0.00    Cum SA (acres)             54.34       2.42      20.51


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1383.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.31  680.38  605.52  679.94  990.52  676.09 1009.21  676.06
 1287.67  677.92 1311.97  677.81 1981.03   667.3 2018.41  667.28 2179.14  669.69
 2220.25     670 2773.45     670 2825.78  669.48 3763.96  650.72 3834.98     650
 4457.33     650 4541.43  645.86 4556.38  644.36 4642.35     640 4754.48     640
 4844.19  637.79 5150.69  622.47 5247.87  619.59 5844.05  614.48 5954.31     614
 7726.03     614 7825.08  614.49 7871.81  614.49 7972.73     615 8320.34     615
 8320.34  612.56 8477.33  612.56 8477.33     610 9112.76     610 9284.69  609.01
 9707.07  604.08 9890.22  601.65 9905.17  601.4210092.06     60010697.58     600
10846.38  571.5110946.38  571.5111146.38     600 11603.7  603.4113158.61  609.15
13341.54  609.5313561.06  625.6113615.94  634.6413780.57  652.6314073.26  662.44
14219.61  663.0514256.19  662.2814530.59  660.1414548.88  660.68 14768.4  668.88
14987.92     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510697.58     .1511146.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10697.5811146.38               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1310412.00   79572.37   510819.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1310412.00   79572.37   510819.80
  Q Total (cfs)           206224.30    Flow (cfs)              138828.80   10743.37   56652.13
  Top Width (ft)          14987.92    Top Width (ft)          10697.58     448.80    3841.54
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.14       0.11
  Max Chl Dpth (ft)         188.37    Hydr. Depth (ft)          122.50     177.30     132.97
  Conv. Total (cfs)       474214600.0    Conv. (cfs)            319238100.0   24704480.0   130272100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10744.93     453.52    3910.64
  Min Ch El (ft)            571.51    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6856.98     445.73    2757.56
  C & E Loss (ft)             0.00    Cum SA (acres)             54.22       2.42      20.46


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1383.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.33  680.38  605.54  679.94  990.54  676.09 1009.23  676.06
 1287.71  677.92    1312  677.81 1981.09   667.3 2018.47  667.28  2179.2  669.69
 2220.32     670 2773.53     670 2825.86  669.48 3764.07  650.72 3835.09     650
 4457.45     650 4541.56  645.84 4556.51  644.35 4642.48     640 4754.62     640
 4844.33  637.78 5150.83  622.46 5248.02  619.59 5844.21  614.48 5954.48     614
 7726.25     614  7825.3  614.49 7872.03  614.49 7972.95     615 8320.58     615
 8320.58  612.55 8477.57  612.55 8477.57     610 9113.01     610 9284.96  609.01
 9707.34  604.08  9890.5  601.64 9905.45  601.4210092.34     60010697.88     600
10846.83  571.5110946.83  571.5111146.83     60011604.28  603.4113159.62  609.15
 13342.6  609.5413562.17  625.6613617.07  634.6813781.75  652.6414074.52  662.45
14220.91  663.04 14257.5  662.2714531.97  660.1414550.27  660.6914769.85  668.91
14989.43     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510697.88     .1511146.83     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10697.8811146.83               .5      .5      .5             .1       .3
```

```
CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1310457.00   79598.55   510937.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1310457.00   79598.55   510937.60
  Q Total (cfs)           206224.30    Flow (cfs)              138820.30   10745.86   56658.10
  Top Width (ft)          14989.43    Top Width (ft)          10697.88     448.95    3842.60
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.11       0.14       0.11
  Max Chl Dpth (ft)         188.37    Hydr. Depth (ft)          122.50     177.30     132.97
  Conv. Total (cfs)       474261800.0    Conv. (cfs)            319250300.0   24712660.0   130298800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10745.23     453.67    3911.70
  Min Ch El (ft)            571.51    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6841.94     444.82    2751.69
  C & E Loss (ft)             0.00    Cum SA (acres)             54.09       2.41      20.42


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1382.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.34  680.38  605.56  679.94  990.57  676.09 1009.26  676.06
 1287.74  677.92 1312.04  677.81 1981.15   667.3 2018.53  667.28 2179.26  669.69
 2220.38     670  2773.6     670 2825.94  669.48 3764.18  650.72  3835.2     650
 4457.58     650 4541.68  645.83 4556.64  644.34 4642.61     640 4754.75     640
 4844.46  637.78 5150.98  622.45 5248.17  619.59 5844.38  614.48 5954.65     614
 7726.47     614 7825.53  614.49 7872.25  614.49 7973.18     615 8320.81     615
 8320.81  612.55 8477.81  612.55 8477.81     610 9113.27     610 9285.22  609.01
 9707.61  604.08 9890.78  601.64 9905.73  601.4110092.63     60010698.19     600
10847.28  571.5110947.28  571.5111147.28     60011604.86  603.4213160.62  609.15
13343.66  609.5413563.29  625.71 13618.2  634.7313782.93  652.6514075.78  662.45
14222.21  663.0414258.81  662.2614533.36  660.1414551.66  660.69 14771.3  668.94
14990.94     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510698.19     .1511147.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10698.1911147.28               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1310500.00   79622.87   511049.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1310500.00   79622.87   511049.00
  Q Total (cfs)           206224.30    Flow (cfs)              138812.70   10748.20   56663.39
  Top Width (ft)          14990.94    Top Width (ft)          10698.19     449.09    3843.66
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.11       0.13       0.11
  Max Chl Dpth (ft)         188.37    Hydr. Depth (ft)          122.50     177.30     132.96
  Conv. Total (cfs)       474304400.0    Conv. (cfs)            319261500.0   24720260.0   130322700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10745.54     453.81    3912.75
  Min Ch El (ft)            571.51    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6826.90     443.91    2745.83
  C & E Loss (ft)             0.00    Cum SA (acres)             53.97       2.41      20.38


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1382.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.36  680.38  605.57  679.94   990.6  676.09 1009.29  676.06
 1287.78  677.92 1312.08  677.81  1981.2   667.3 2018.58  667.28 2179.32  669.69
 2220.44     670 2773.68     670 2826.02  669.48 3764.28  650.71 3835.31     650
  4457.7     650 4541.81  645.82 4556.76  644.32 4642.74     640 4754.88     640
  4844.6  637.77 5151.12  622.44 5248.32  619.59 5844.54  614.48 5954.82     614
 7726.69     614 7825.75  614.49 7872.47  614.49  7973.4     615 8321.05     615
 8321.05  612.54 8478.05  612.54 8478.05     610 9113.53     610 9285.48     609
 9707.89  604.07 9891.06  601.63 9906.01  601.4110092.92     60010698.49     600
10847.73  571.5110947.73  571.5111147.73     60011605.44  603.4213161.63  609.15
13344.71  609.5413564.41  625.7613619.33  634.7713784.11  652.6614077.04  662.46
 14223.5  663.0314260.12  662.2614534.74  660.1414553.05  660.6914772.75  668.96
14992.45     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510698.49     .1511147.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10698.4911147.73               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1310555.00   79649.05   511170.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1310555.00   79649.05   511170.80
  Q Total (cfs)           206224.30    Flow (cfs)              138804.40   10750.55   56669.36
  Top Width (ft)          14992.45    Top Width (ft)          10698.49     449.24    3844.72
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.11       0.13       0.11
  Max Chl Dpth (ft)         188.37    Hydr. Depth (ft)          122.50     177.30     132.95
  Conv. Total (cfs)       474357600.0    Conv. (cfs)            319278100.0   24728450.0   130351000.0
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  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10745.84     453.95    3913.81
  Min Ch El (ft)           571.51    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     6811.85     442.99    2739.96
  C & E Loss (ft)            0.00    Cum SA (acres)             53.85       2.40      20.33


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1381.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.38  680.37  605.59  679.94  990.63  676.09 1009.32  676.06
 1287.82  677.92 1312.12  677.81 1981.26  667.29 2018.64  667.28 2179.38  669.69
  2220.5     670 2773.76     670  2826.1  669.48 3764.39  650.71 3835.42     650
 4457.83     650 4541.94  645.81 4556.89  644.31 4642.87     640 4755.02     640
 4844.74  637.76 5151.27  622.44 5248.46  619.58 5844.71  614.47 5954.99     614
 7726.91     614 7825.97  614.49  7872.7  614.49 7973.63     615 8321.28     615
 8321.28  612.53 8478.29  612.53 8478.29     610 9113.79     610 9285.74     609
 9708.16  604.07 9891.33  601.63 9906.29  601.41 10093.2     60010698.79     600
10848.19  571.5110948.19  571.5111148.19     60011606.02  603.4313162.64  609.16
13345.77  609.5413565.53  625.8113620.47  634.8213785.29  652.67 14078.3  662.47
 14224.8  663.0214261.43  662.2514536.13  660.1414554.44  660.69 14774.2  668.99
14993.96     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510698.79     .1511148.19     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10698.7911148.19               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1310610.00   79676.95   511270.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)           1310610.00   79676.95   511270.70
  Q Total (cfs)           206224.30    Flow (cfs)             138798.50   10753.34   56672.43
  Top Width (ft)          14993.96    Top Width (ft)          10698.79     449.40    3845.77
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.37    Hydr. Depth (ft)          122.50     177.30     132.94
  Conv. Total (cfs)       474401700.0    Conv. (cfs)           319294400.0   24737170.0   130370200.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10746.14     454.11    3914.85
  Min Ch El (ft)           571.51    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     6796.81     442.08    2734.09
  C & E Loss (ft)            0.00    Cum SA (acres)             53.73       2.40      20.29


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1381.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.39  680.37  605.61  679.94  990.66  676.09 1009.35  676.06
 1287.85  677.92 1312.15  677.81 1981.31  667.29  2018.7  667.28 2179.45  669.69
 2220.57     670 2773.84     670 2826.18  669.48  3764.5  650.71 3835.52     650
 4457.96     650 4542.07  645.79 4557.02   644.3    4643     640 4755.15     640
 4844.87  637.76 5151.42  622.43 5248.61  619.58 5844.88  614.47 5955.16     614
 7727.12     614 7826.19   614.5 7872.92   614.5 7973.85     615 8321.52     615
 8321.52  612.52 8478.53  612.52 8478.53     610 9114.04     610 9286.01     609
 9708.44  604.07 9891.61  601.63 9906.57  601.410093.48     60010699.09     600
10848.64   571.510948.64   571.511148.64     600 11606.6  603.4313163.65  609.16
13346.83  609.5413566.65  625.85 13621.6  634.8613786.46  652.6814079.56  662.48
 14226.1  663.0214262.74  662.2414537.51  660.1414555.83  660.6914775.65  669.02
14995.47     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510699.09     .1511148.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10699.0911148.64               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1310651.00   79705.72   511392.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)           1310651.00   79705.72   511392.30
  Q Total (cfs)           206224.30    Flow (cfs)             138789.00   10756.35   56678.91
  Top Width (ft)          14995.47    Top Width (ft)          10699.09     449.55    3846.83
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.38    Hydr. Depth (ft)          122.50     177.30     132.94
  Conv. Total (cfs)       474450300.0    Conv. (cfs)           319305200.0   24746610.0   130398400.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10746.44     454.26    3915.91
  Min Ch El (ft)           571.50    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     6781.77     441.16    2728.22
  C & E Loss (ft)            0.00    Cum SA (acres)             53.60       2.39      20.24


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 1380.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.41  680.37  605.63  679.94  990.68  676.09 1009.38  676.06
 1287.89  677.92 1312.19  677.81 1981.37  667.29 2018.75  667.28 2179.51  669.69
 2220.63     670 2773.92     670 2826.26  669.47  3764.6  650.71 3835.63     650
 4458.08     650  4542.2  645.78 4557.15  644.28 4643.13     640 4755.29     640
 4845.01  637.75 5151.56  622.42 5248.76  619.58 5845.04  614.47 5955.32     614
 7727.34     614 7826.41   614.5 7873.14   614.5 7974.08     615 8321.75     615
 8321.75  612.52 8478.77  612.52 8478.77     610  9114.3     610 9286.27  608.99
 9708.71  604.07 9891.89  601.62 9906.85  601.410093.77     600 10699.4     600
10849.09   571.510949.09   571.511149.09    60011607.18  603.4413164.65  609.16
13347.88  609.5413567.76   625.913622.73  634.9113787.64  652.6814080.82  662.48
 14227.4  663.0114264.05  662.24 14538.9  660.1414557.22   660.7 14777.1  669.05
14996.98     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10699.4     .1511149.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10699.411149.09               .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1310704.00   79730.03   511503.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1310704.00   79730.03   511503.80
  Q Total (cfs)           206224.30    Flow (cfs)              138782.00   10758.58   56683.73
  Top Width (ft)          14996.98    Top Width (ft)          10699.40     449.69    3847.89
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.38    Hydr. Depth (ft)          122.50     177.30     132.93
  Conv. Total (cfs)       474497200.0    Conv. (cfs)            319320600.0   24754210.0   130422400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10746.75     454.40    3916.97
  Min Ch El (ft)            571.50    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6766.72     440.25    2722.35
  C & E Loss (ft)             0.00    Cum SA (acres)             53.48       2.39      20.20


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1380.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.43  680.37  605.64  679.94  990.71  676.09 1009.41  676.06
 1287.93  677.92 1312.23  677.81 1981.43  667.29 2018.81  667.28 2179.57  669.69
 2220.69     670    2774     670 2826.34  669.47 3764.71  650.71 3835.74     650
 4458.21     650 4542.32  645.77 4557.28  644.27 4643.27     640 4755.42     640
 4845.15  637.74 5151.71  622.41 5248.91  619.58 5845.21  614.47 5955.49     614
 7727.56     614 7826.63   614.5 7873.36   614.5  7974.3     615 8321.99     615
 8321.99  612.51 8479.01  612.51 8479.01     610 9114.56     610 9286.53  608.99
 9708.99  604.06 9892.17  601.62 9907.13  601.3910094.05     600 10699.7     600
10849.55   571.510949.55   571.511149.55    60011607.75  603.4413165.66  609.16
13348.94  609.5413568.88  625.9513623.87  634.9513788.82  652.6914082.07  662.49
 14228.7  663.0114265.36  662.2314540.28  660.1414558.61   660.714778.55  669.07
14998.49     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10699.7     .1511149.55     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10699.711149.55               .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1310751.00   79757.92   511624.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1310751.00   79757.92   511624.80
  Q Total (cfs)           206224.30    Flow (cfs)              138773.10   10761.24   56690.00
  Top Width (ft)          14998.49    Top Width (ft)          10699.70     449.85    3848.94
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.38    Hydr. Depth (ft)          122.50     177.30     132.93
  Conv. Total (cfs)       474547200.0    Conv. (cfs)            319333700.0   24762920.0   130450600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10747.05     454.56    3918.01
  Min Ch El (ft)            571.50    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6751.68     439.33    2716.48
  C & E Loss (ft)             0.00    Cum SA (acres)             53.36       2.38      20.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1379.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.44  680.37  605.66  679.94  990.74  676.09 1009.43  676.06
 1287.96  677.92 1312.26  677.81 1981.48  667.29 2018.87  667.28 2179.63  669.69
 2220.75     670 2774.07     670 2826.42  669.47 3764.81   650.7 3835.85     650
 4458.33     650 4542.45  645.75 4557.41  644.26  4643.4     640 4755.56     640
 4845.28  637.74 5151.85  622.41 5249.06  619.58 5845.37  614.47 5955.66     614
```

```
 7727.78     614 7826.85   614.5 7873.58   614.5 7974.53     615 8322.22     615
 8322.22   612.5 8479.25   612.5 8479.25     610 9114.81     610 9286.79  608.99
 9709.26  604.06 9892.45  601.61 9907.41  601.3910094.34     600   10700     600
   10850   571.5   10950   571.5   11150     60011608.33  603.4513166.67  609.17
   13350  609.55   13570     626   13625     635   13790   652.714083.33   662.5
   14230     66314266.67  662.2214541.67  660.14   14560   660.7   14780   669.1
   15000     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10700     .15   11150     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10700   11150                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1310797.00   79784.11   511724.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1310797.00   79784.11   511724.00
  Q Total (cfs)           206224.30    Flow (cfs)              138767.00   10763.90   56693.40
  Top Width (ft)          15000.00    Top Width (ft)          10700.00     450.00    3850.00
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.38    Hydr. Depth (ft)          122.50     177.30     132.92
  Conv. Total (cfs)       474586900.0    Conv. (cfs)             319346500.0   24771110.0   130469300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10747.35     454.70    3919.07
  Min Ch El (ft)            571.50    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6736.63     438.42    2710.61
  C & E Loss (ft)             0.00    Cum SA (acres)             53.23       2.38      20.11


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1379.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.46  680.37  605.68  679.94  990.77  676.09 1009.46  676.06
    1288  677.92  1312.3  677.81 1981.54  667.29 2018.92  667.28 2179.69   669.7
 2220.82     670 2774.15     670 2826.49  669.47 3764.92   650.7 3835.96     650
 4458.46     650 4542.58  645.74 4557.54  644.25 4643.53     640 4755.69     640
 4845.42  637.73    5152   622.4 5249.21  619.58 5845.54  614.47 5955.83     614
    7728     614 7827.07   614.5 7873.81   614.5 7974.75     615 8322.46     615
 8322.46  612.49 8479.48  612.49 8479.48     610 9115.07     610 9287.05  608.98
 9709.53  604.06 9892.73  601.61 9907.69  601.3810094.62     600 10700.3     600
10850.45   571.510950.45   571.511150.45     60011608.91  603.4513167.67  609.17
13351.06  609.5513571.12  626.0513626.13  635.0513791.18  652.7114084.59  662.51
 14231.3  662.9914267.98  662.2214543.05  660.1414561.39   660.714781.45  669.13
15001.51     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10700.3     .1511150.45     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10700.311150.45                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1310843.00   79810.30   511842.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1310843.00   79810.30   511842.30
  Q Total (cfs)           206224.30    Flow (cfs)              138758.60   10766.37   56699.36
  Top Width (ft)          15001.51    Top Width (ft)          10700.30     450.15    3851.06
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.38    Hydr. Depth (ft)          122.51     177.30     132.91
  Conv. Total (cfs)       474634800.0    Conv. (cfs)             319359300.0   24779290.0   130496200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10747.65     454.85    3920.12
  Min Ch El (ft)            571.50    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6721.59     437.50    2704.73
  C & E Loss (ft)             0.00    Cum SA (acres)             53.11       2.37      20.07


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1378.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.48  680.37  605.69  679.94   990.8  676.09 1009.49  676.06
 1288.04  677.92 1312.34  677.81 1981.59  667.29 2018.98  667.28 2179.75   669.7
 2220.88     670 2774.23     670 2826.57  669.47 3765.03   650.7 3836.07     650
 4458.58     650 4542.71  645.73 4557.67  644.23 4643.66     640 4755.82     640
 4845.56  637.72 5152.14  622.39 5249.35  619.58  5845.7  614.47    5956     614
 7728.21     614 7827.29   614.5 7874.03   614.5 7974.98     615 8322.69     615
 8322.69  612.48 8479.72  612.48 8479.72     610 9115.33     610 9287.32  608.98
 9709.81  604.05 9893.01   601.6 9907.97  601.3810094.91     600 10700.6     600
10850.91   571.510950.91   571.511150.91     60011609.49  603.4613168.68  609.17
13352.12  609.5513572.24  626.113627.27  635.0913792.36  652.7214085.85  662.52
 14232.6  662.9914269.29  662.2114544.44  660.1414562.78   660.7 14782.9  669.15
15003.02     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10700.6     .1511150.91     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10700.611150.91               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1310891.00   79838.19   511953.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1310891.00   79838.19   511953.30
  Q Total (cfs)           206224.30    Flow (cfs)              138750.90   10769.11   56704.24
  Top Width (ft)          15003.02    Top Width (ft)          10700.60     450.31    3852.11
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.38    Hydr. Depth (ft)          122.51     177.30     132.90
  Conv. Total (cfs)       474680900.0    Conv. (cfs)            319372700.0   24788010.0   130520100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10747.95     455.01    3921.17
  Min Ch El (ft)            571.50    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6706.54     436.59    2698.86
  C & E Loss (ft)             0.00    Cum SA (acres)             52.99       2.37      20.02


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1378.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.49  680.37  605.71  679.94  990.82  676.09 1009.52  676.06
 1288.07  677.92 1312.38  677.81 1981.65  667.29 2019.04  667.29 2179.81   669.7
 2220.94     670 2774.31     670 2826.65  669.47 3765.13   650.7 3836.17     650
 4458.71     650 4542.84  645.72 4557.79  644.22 4643.79     640 4755.96     640
 4845.69  637.72 5152.29  622.39  5249.5  619.58 5845.87  614.46 5956.17     614
 7728.43     614 7827.51   614.5 7874.25   614.5  7975.2     615 8322.93     615
 8322.93  612.48 8479.96  612.48 8479.96     610 9115.59     610 9287.58  608.98
 9710.08  604.05 9893.29   601.6 9908.25  601.38 10095.2     60010700.91     600
10851.36   571.510951.36   571.511151.36     60011610.07  603.4613169.69  609.17
13353.17  609.5513573.35  626.15 13628.4  635.1413793.54  652.7214087.11  662.52
 14233.9  662.9814270.59   662.214545.82  660.1414564.17  660.7114784.35  669.18
15004.53     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510700.91     .1511151.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10700.9111151.36               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1310933.00   79862.50   512076.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1310933.00   79862.50   512076.40
  Q Total (cfs)           206224.30    Flow (cfs)              138741.80   10771.33   56711.14
  Top Width (ft)          15004.53    Top Width (ft)          10700.91     450.45    3853.17
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.38    Hydr. Depth (ft)          122.51     177.29     132.90
  Conv. Total (cfs)       474728300.0    Conv. (cfs)            319383700.0   24795610.0   130549000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10748.26     455.15    3922.22
  Min Ch El (ft)            571.50    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6691.49     435.67    2692.98
  C & E Loss (ft)             0.00    Cum SA (acres)             52.87       2.36      19.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1377.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.51  680.37  605.73  679.94  990.85  676.09 1009.55  676.06
 1288.11  677.92 1312.41   677.8 1981.71  667.29  2019.1  667.29 2179.88   669.7
 2221.01     670 2774.39     670 2826.73  669.47 3765.24   650.7 3836.28     650
 4458.84     650 4542.97   645.7 4557.92  644.21 4643.92     640 4756.09     640
 4845.83  637.71 5152.43  622.38 5249.65  619.57 5846.03  614.46 5956.33     614
 7728.65     614 7827.74  614.51 7874.47  614.51 7975.43     615 8323.16     615
 8323.16  612.47  8480.2  612.47  8480.2     610 9115.84     610 9287.84  608.98
 9710.36  604.05 9893.57   601.6 9908.53  601.3710095.48     60010701.21     600
10851.81  571.4910951.81  571.4911151.81     60011610.65  603.4713170.69  609.18
13354.23  609.5513574.47  626.1913629.53  635.1813794.71  652.7314088.37  662.53
 14235.2  662.98 14271.9   662.214547.21  660.1414565.56  660.71 14785.8  669.21
15006.04     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510701.21     .1511151.81     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10701.2111151.81               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1310983.00   79891.27   512177.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1310983.00   79891.27   512177.70
  Q Total (cfs)           206224.30    Flow (cfs)              138735.40   10774.45   56714.45
  Top Width (ft)          15006.04    Top Width (ft)          10701.21     450.60    3854.23
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  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.39    Hydr. Depth (ft)          122.51     177.30     132.89
  Conv. Total (cfs)       474771700.0    Conv. (cfs)            319398100.0   24805050.0   130568600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10748.56     455.30    3923.28
  Min Ch El (ft)            571.49    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6676.44     434.75    2687.10
  C & E Loss (ft)             0.00    Cum SA (acres)             52.74       2.36      19.93


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1377.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.53  680.36  605.75  679.94  990.88  676.09 1009.58  676.06
 1288.14  677.92 1312.45   677.8 1981.76  667.29 2019.15  667.29 2179.94   669.7
 2221.07     670 2774.47     670 2826.81  669.46 3765.35  650.69 3836.39     650
 4458.96     650 4543.09  645.69 4558.05  644.19 4644.05     640 4756.23     640
 4845.97   637.7 5152.58  622.37  5249.8  619.57  5846.2  614.46  5956.5     614
 7728.87     614 7827.96  614.51  7874.7  614.51 7975.65     615  8323.4     615
  8323.4  612.46 8480.44  612.46 8480.44     610  9116.1     610  9288.1  608.97
 9710.63  604.04 9893.85  601.59 9908.81  601.3710095.76     60010701.51     600
10852.27  571.4910952.27  571.4911152.27     60011611.23  603.47 13171.7  609.18
13355.29  609.5513575.59  626.2413630.67  635.2313795.89  652.7414089.63  662.54
 14236.5  662.9714273.21  662.1914548.59  660.1414566.95  660.7114787.25  669.24
15007.55     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510701.51     .1511152.27     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10701.5111152.27               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1311047.00   79919.16   512296.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1311047.00   79919.16   512296.20
  Q Total (cfs)           206224.30    Flow (cfs)              138727.70   10776.97   56719.61
  Top Width (ft)          15007.55    Top Width (ft)          10701.51     450.76    3855.28
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.39    Hydr. Depth (ft)          122.51     177.30     132.88
  Conv. Total (cfs)       474827400.0    Conv. (cfs)            319417900.0   24813760.0   130595800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10748.86     455.45    3924.33
  Min Ch El (ft)            571.49    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6661.40     433.83    2681.22
  C & E Loss (ft)             0.00    Cum SA (acres)             52.62       2.35      19.89


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1376.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.55  680.36  605.76  679.94  990.91  676.09  1009.6  676.06
 1288.18  677.92 1312.49   677.8 1981.82  667.29 2019.21  667.29    2180   669.7
 2221.13     670 2774.54     670 2826.89  669.46 3765.45  650.69  3836.5     650
 4459.09     650 4543.22  645.68 4558.18  644.18 4644.18     640 4756.36     640
  4846.1  637.69 5152.72  622.36 5249.95  619.57 5846.36  614.46 5956.67     614
 7729.09     614 7828.18  614.51 7874.92  614.51 7975.88     615 8323.63     615
 8323.63  612.45 8480.68  612.45 8480.68     610 9116.36     610 9288.37  608.97
  9710.9  604.04 9894.13  601.59 9909.09  601.3610096.05     60010701.81     600
10852.72  571.4910952.72  571.4911152.72     60011611.81  603.4813172.71  609.18
13356.34  609.5513576.71  626.29 13631.8  635.2713797.07  652.7514090.89  662.55
14237.79  662.9614274.52  662.1814549.97  660.1414568.34  660.71 14788.7  669.26
15009.06     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510701.81     .1511152.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10701.8111152.72               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1311091.00   79945.35   512409.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1311091.00   79945.35   512409.30
  Q Total (cfs)           206224.30    Flow (cfs)              138719.90   10779.51   56724.92
  Top Width (ft)          15009.06    Top Width (ft)          10701.81     450.91    3856.34
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.39    Hydr. Depth (ft)          122.51     177.30     132.87
  Conv. Total (cfs)       474872300.0    Conv. (cfs)            319430000.0   24821950.0   130620400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10749.16     455.60    3925.38
  Min Ch El (ft)            571.49    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6646.35     432.92    2675.34
  C & E Loss (ft)             0.00    Cum SA (acres)             52.50       2.35      19.85


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1376.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.56  680.36  605.78  679.94  990.94  676.09 1009.63  676.06
 1288.22  677.92 1312.52   677.8 1981.87  667.28 2019.27  667.29 2180.06   669.7
 2221.19     670 2774.62     670 2826.97  669.46 3765.56  650.69 3836.61     650
 4459.21     650 4543.35  645.66 4558.31  644.17 4644.31     640  4756.5     640
 4846.24  637.69 5152.87  622.36 5250.09  619.57 5846.53  614.46 5956.84     614
 7729.31     614  7828.4  614.51 7875.14  614.51  7976.1     615 8323.87     615
 8323.87  612.45 8480.92  612.45 8480.92     610 9116.62     610 9288.63  608.97
 9711.18  604.04 9894.41  601.58 9909.37  601.3610096.33     60010702.12     600
10853.17  571.4910953.17  571.4911153.17     60011612.39  603.4813173.72  609.18
 13357.4  609.5613577.83  626.3413632.93  635.3213798.25  652.7614092.15  662.55
14239.09  662.9614275.83  662.1814551.36  660.1414569.73  660.7114790.15  669.29
15010.57     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510702.12     .1511153.17     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10702.1211153.17               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1311136.00   79969.67   512527.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1311136.00   79969.67   512527.00
  Q Total (cfs)           206224.30    Flow (cfs)              138711.60   10781.76   56730.97
  Top Width (ft)          15010.57    Top Width (ft)          10702.12     451.05    3857.40
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.39    Hydr. Depth (ft)          122.51     177.30     132.87
  Conv. Total (cfs)       474918400.0    Conv. (cfs)            319441900.0   24829550.0   130647000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10749.47     455.74    3926.44
  Min Ch El (ft)            571.49    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6631.30     432.00    2669.46
  C & E Loss (ft)             0.00    Cum SA (acres)             52.37       2.34      19.80


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1375.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.58  680.36   605.8  679.94  990.96  676.09 1009.66  676.06
 1288.25  677.92 1312.56   677.8 1981.93  667.28 2019.32  667.29 2180.12   669.7
 2221.26     670  2774.7     670 2827.05  669.46 3765.67  650.69 3836.72     650
 4459.34     650 4543.48  645.65 4558.44  644.16 4644.45     640 4756.63     640
 4846.38  637.68 5153.02  622.35 5250.24  619.57 5846.69  614.46 5957.01     614
 7729.52     614 7828.62  614.51 7875.36  614.51 7976.33     615  8324.1     615
  8324.1  612.44 8481.16  612.44 8481.16     610 9116.87     610 9288.89  608.96
 9711.45  604.03 9894.69  601.58 9909.65  601.3610096.62     60010702.42     600
10853.62  571.4910953.62  571.4911153.62     60011612.97  603.4813174.72  609.19
13358.46  609.5613578.94  626.3913634.06  635.3613799.43  652.77 14093.4  662.56
14240.39  662.9514277.14  662.1714552.74  660.1414571.12  660.72 14791.6  669.32
15012.08     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510702.42     .1511153.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10702.4211153.62               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1311185.00   79995.86   512637.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1311185.00   79995.86   512637.70
  Q Total (cfs)           206224.30    Flow (cfs)              138704.30   10784.27   56735.75
  Top Width (ft)          15012.08    Top Width (ft)          10702.42     451.20    3858.46
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.39    Hydr. Depth (ft)          122.51     177.30     132.86
  Conv. Total (cfs)       474964300.0    Conv. (cfs)            319455900.0   24837730.0   130670600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10749.77     455.89    3927.49
  Min Ch El (ft)            571.49    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6616.25     431.08    2663.58
  C & E Loss (ft)             0.00    Cum SA (acres)             52.25       2.34      19.76


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1375.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   594.6  680.36  605.81  679.94  990.99  676.09 1009.69  676.06
 1288.29  677.92  1312.6   677.8 1981.98  667.28 2019.38  667.29 2180.18   669.7
```

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 2221.32     670 2774.78     670 2827.13  669.46 3765.77  650.68 3836.82     650
 4459.47     650 4543.61  645.64 4558.57  644.14 4644.58     640 4756.76     640
 4846.51  637.67 5153.16  622.34 5250.39  619.57 5846.86  614.46 5957.17     614
 7729.74     614 7828.84  614.51 7875.59  614.51 7976.55     615 8324.34     615
 8324.34  612.43  8481.4  612.43  8481.4     610 9117.13     610 9289.15  608.96
 9711.73  604.03 9894.97  601.58 9909.92  601.3510096.91     60010702.72     600
10854.08  571.4910954.08  571.4911154.08     60011613.54  603.4913175.73  609.19
13359.52  609.5613580.06  626.44 13635.2  635.41 13800.6  652.7714094.66  662.57
14241.69  662.9514278.45  662.1614554.13  660.1414572.51  660.7214793.05  669.35
15013.59     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510702.72     .1511154.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10702.7211154.08               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1311234.00   80023.75   512747.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1311234.00   80023.75   512747.30
  Q Total (cfs)           206224.30    Flow (cfs)              138696.90   10787.00   56740.38
  Top Width (ft)          15013.59    Top Width (ft)          10702.72     451.36    3859.51
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.39    Hydr. Depth (ft)          122.51     177.29     132.85
  Conv. Total (cfs)       475010600.0    Conv. (cfs)            319470100.0   24846450.0   130694000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10750.07     456.04    3928.54
  Min Ch El (ft)            571.49    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6601.20     430.16    2657.69
  C & E Loss (ft)             0.00    Cum SA (acres)             52.13       2.33      19.71


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1374.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.61  680.36  605.83  679.94  991.02  676.09 1009.72  676.06
 1288.33  677.92 1312.63   677.8 1982.04  667.28 2019.44  667.29 2180.25   669.7
 2221.38     670 2774.86     670 2827.21  669.46 3765.88  650.68 3836.93     650
 4459.59     650 4543.74  645.63 4558.69  644.13 4644.71     640  4756.9     640
 4846.65  637.67 5153.31  622.33 5250.54  619.57 5847.02  614.45 5957.34     614
 7729.96     614 7829.06  614.52 7875.81  614.52 7976.78     615 8324.57     615
 8324.57  612.42 8481.64  612.42 8481.64     610 9117.39     610 9289.42  608.96
    9712  604.03 9895.25  601.57 9910.21  601.3510097.19     60010703.02     600
10854.53  571.4810954.53  571.4811154.53     60011614.12  603.4913176.74  609.19
13360.57  609.5613581.18  626.4813636.33  635.4513801.78  652.7814095.92  662.58
14242.99  662.9414279.76  662.1614555.51  660.13 14573.9  660.72 14794.5  669.37
15015.11     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510703.02     .1511154.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10703.0211154.53               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1311279.00   80052.70   512872.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1311279.00   80052.70   512872.60
  Q Total (cfs)           206224.30    Flow (cfs)              138687.20   10789.96   56747.09
  Top Width (ft)          15015.11    Top Width (ft)          10703.02     451.51    3860.58
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.40    Hydr. Depth (ft)          122.51     177.30     132.85
  Conv. Total (cfs)       475061700.0    Conv. (cfs)            319482200.0   24855940.0   130723500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10750.37     456.19    3929.61
  Min Ch El (ft)            571.48    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6586.15     429.24    2651.81
  C & E Loss (ft)             0.00    Cum SA (acres)             52.01       2.33      19.67


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1374.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.63  680.36  605.85  679.94  991.05  676.09 1009.75  676.07
 1288.36  677.92 1312.67   677.8  1982.1  667.28 2019.49  667.29 2180.31   669.7
 2221.44     670 2774.94     670 2827.29  669.45 3765.98  650.68 3837.04     650
 4459.72     650 4543.86  645.61 4558.82  644.12 4644.84     640 4757.03     640
 4846.79  637.66 5153.45  622.33 5250.69  619.57 5847.19  614.45 5957.51     614
 7730.18     614 7829.28  614.52 7876.03  614.52    7977     615 8324.81     615
 8324.81  612.42 8481.88  612.42 8481.88     610 9117.65     610 9289.68  608.95
 9712.27  604.02 9895.53  601.57 9910.48  601.3410097.47     60010703.32     600
10854.99  571.4810954.99  571.4811154.99     600 11614.7   603.513177.74  609.19
13361.63  609.56 13582.3  626.5313637.46   635.513802.96  652.7914097.18  662.58
14244.29  662.9314281.07  662.15 14556.9  660.1314575.29  660.7214795.95   669.4
15016.62     695

Manning's n Values        num=       3
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     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510703.32     .1511154.99     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10703.3211154.99               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1311330.00   80080.41   512983.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1311330.00   80080.41   512983.00
  Q Total (cfs)           206224.30    Flow (cfs)              138679.90   10792.66   56751.76
  Top Width (ft)          15016.62    Top Width (ft)          10703.32     451.67    3861.63
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.40    Hydr. Depth (ft)          122.52     177.30     132.84
  Conv. Total (cfs)       475108700.0    Conv. (cfs)            319496900.0   24864600.0   130747200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10750.67     456.35    3930.65
  Min Ch El (ft)            571.48    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6571.09     428.33    2645.92
  C & E Loss (ft)             0.00    Cum SA (acres)             51.88       2.32      19.62


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1373.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.65  680.36  605.87  679.94  991.08  676.09 1009.78  676.07
  1288.4  677.92 1312.71   677.8 1982.15  667.28 2019.55  667.29 2180.37  669.71
 2221.51     670 2775.01     670 2827.37  669.45 3766.09  650.68 3837.15     650
 4459.84     650 4543.99   645.6 4558.95   644.1 4644.97     640 4757.17     640
 4846.92  637.65  5153.6  622.32 5250.83  619.56 5847.35  614.45 5957.68     614
  7730.4     614  7829.5  614.52 7876.25  614.52 7977.23     615 8325.04     615
 8325.04  612.41 8482.12  612.41 8482.12     610  9117.9     610 9289.94  608.95
 9712.55  604.02  9895.8  601.56 9910.76  601.3410097.76     60010703.62     600
10855.44  571.4810955.44  571.4811155.44     60011615.28  603.513178.75   609.2
13362.69  609.5613583.41  626.5813638.59  635.5413804.14  652.814098.44  662.59
14245.59  662.9314282.38  662.1414558.28  660.1314576.68  660.73 14797.4  669.43
15018.13     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510703.62     .1511155.44     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10703.6211155.44               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1311377.00   80106.60   513093.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1311377.00   80106.60   513093.00
  Q Total (cfs)           206224.30    Flow (cfs)              138672.60   10795.19   56756.55
  Top Width (ft)          15018.13    Top Width (ft)          10703.62     451.82    3862.69
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.40    Hydr. Depth (ft)          122.52     177.30     132.83
  Conv. Total (cfs)       475153400.0    Conv. (cfs)            319510000.0   24872790.0   130770600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10750.97     456.50    3931.71
  Min Ch El (ft)            571.48    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6556.04     427.41    2640.03
  C & E Loss (ft)             0.00    Cum SA (acres)             51.76       2.32      19.58


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1373.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.66  680.36  605.88  679.94   991.1  676.09  1009.8  676.07
 1288.44  677.92 1312.75   677.8 1982.21  667.28 2019.61  667.29 2180.43  669.71
 2221.57     670 2775.09     670 2827.45  669.45  3766.2  650.68 3837.26     650
 4459.97     650 4544.12  645.59 4559.08  644.09  4645.1     640  4757.3     640
 4847.06  637.65 5153.74  622.31 5250.98  619.56 5847.52  614.45 5957.85     614
 7730.61     614 7829.72  614.52 7876.48  614.52 7977.46     615 8325.28     615
 8325.28   612.4 8482.36   612.4 8482.36     610 9118.16     610  9290.2  608.95
 9712.82  604.02 9896.08  601.56 9911.04  601.3310098.04     60010703.93     600
10855.89  571.4810955.89  571.4811155.89     60011615.86  603.5113179.76   609.2
13363.75  609.5613584.53  626.6313639.73  635.5913805.32  652.81 14099.7   662.6
14246.89  662.9214283.69  662.1314559.67  660.1314578.07  660.7314798.85  669.46
15019.64     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510703.93     .1511155.89     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10703.9311155.89               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1311421.00   80130.92   513203.00
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  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1311421.00   80130.92   513203.00
  Q Total (cfs)           206224.30    Flow (cfs)              138665.20   10797.52   56761.56
  Top Width (ft)          15019.64    Top Width (ft)          10703.93     451.96    3863.75
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.40    Hydr. Depth (ft)          122.52     177.30     132.83
  Conv. Total (cfs)       475196000.0    Conv. (cfs)            319521800.0   24880390.0   130793800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10751.28     456.64    3932.76
  Min Ch El (ft)            571.48    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6540.99     426.49    2634.14
  C & E Loss (ft)             0.00    Cum SA (acres)             51.64       2.31      19.54


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1372.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.68  680.35   605.9  679.94  991.13  676.09 1009.83  676.07
 1288.47  677.92 1312.78   677.8 1982.26  667.28 2019.67  667.29 2180.49  669.71
 2221.63     670 2775.17     670 2827.53  669.45  3766.3  650.67 3837.37     650
  4460.1     650 4544.25  645.58 4559.21  644.08 4645.23     640 4757.44     640
  4847.2  637.64 5153.89  622.31 5251.13  619.56 5847.68  614.45 5958.01     614
 7730.83     614 7829.95  614.52  7876.7  614.52 7977.68     615 8325.51     615
 8325.51  612.39  8482.6  612.39  8482.6     610 9118.42     610 9290.46  608.94
  9713.1  604.01 9896.36  601.55 9911.32  601.3310098.33     60010704.23     600
10856.34  571.4810956.34  571.4811156.34     60011616.44  603.5113180.77   609.2
 13364.8  609.5613585.65  626.6813640.86  635.63 13806.5  652.8114100.96  662.61
14248.19  662.92   14285  662.1314561.05  660.1314579.46  660.73 14800.3  669.48
15021.15     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510704.23     .1511156.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10704.2311156.34               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1311477.00   80156.95   513325.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1311477.00   80156.95   513325.90
  Q Total (cfs)           206224.30    Flow (cfs)              138656.80   10799.83   56767.64
  Top Width (ft)          15021.15    Top Width (ft)          10704.23     452.11    3864.81
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.40    Hydr. Depth (ft)          122.52     177.30     132.82
  Conv. Total (cfs)       475249800.0    Conv. (cfs)            319538600.0   24888520.0   130822600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10751.58     456.78    3933.82
  Min Ch El (ft)            571.48    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6525.94     425.57    2628.25
  C & E Loss (ft)             0.00    Cum SA (acres)             51.52       2.31      19.49


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1372.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   594.7  680.35  605.92  679.94  991.16  676.09 1009.86  676.07
 1288.51  677.92 1312.82   677.8 1982.32  667.28 2019.72   667.3 2180.55  669.71
  2221.7     670 2775.25     670 2827.61  669.45 3766.41  650.67 3837.47     650
 4460.22     650 4544.38  645.56 4559.34  644.07 4645.36     640 4757.57     640
 4847.33  637.63 5154.03  622.3 5251.28  619.56 5847.85  614.45 5958.18     614
 7731.05     614 7830.17  614.52 7876.92  614.52 7977.91     615 8325.75     615
 8325.75  612.39 8482.84  612.39 8482.84     610 9118.67     610 9290.73  608.94
 9713.37  604.01 9896.64  601.55  9911.6  601.3310098.62     60010704.53     600
 10856.8  571.48 10956.8  571.48 11156.8     60011617.02  603.5213181.77   609.2
13365.86  609.5713586.77  626.7313641.99  635.6813807.67  652.8214102.22  662.61
14249.49  662.91 14286.3  662.1214562.44  660.1314580.85  660.7314801.75  669.51
15022.66     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510704.53     .15 11156.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10704.53 11156.8               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1311518.00   80184.84   513434.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1311518.00   80184.84   513434.10
  Q Total (cfs)           206224.30    Flow (cfs)              138649.20   10802.65   56772.46
  Top Width (ft)          15022.66    Top Width (ft)          10704.53     452.27    3865.86
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.40    Hydr. Depth (ft)          122.52     177.29     132.81
  Conv. Total (cfs)       475292100.0    Conv. (cfs)            319549400.0   24897240.0   130845400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10751.88     456.94    3934.87
  Min Ch El (ft)            571.48    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6510.88     424.65    2622.35
  C & E Loss (ft)             0.00    Cum SA (acres)             51.39       2.30      19.45
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1371.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.71  680.35  605.93  679.94  991.19  676.09 1009.89  676.07
 1288.54  677.92 1312.86   677.8 1982.38  667.28 2019.78   667.3 2180.61  669.71
 2221.76     670 2775.33     670 2827.69  669.45 3766.52  650.67 3837.58     650
 4460.35     650  4544.5  645.55 4559.47  644.05 4645.49     640  4757.7     640
 4847.47  637.63 5154.18  622.29 5251.43  619.56 5848.01  614.45 5958.35     614
 7731.27     614 7830.39  614.52 7877.14  614.52 7978.13     615 8325.98     615
 8325.98  612.38 8483.08  612.38 8483.08     610 9118.93     610 9290.99  608.94
 9713.65  604.01 9896.92  601.55 9911.88  601.32 10098.9     60010704.83     600
10857.25  571.4810957.25  571.4811157.25     600 11617.6  603.5213182.78  609.21
13366.92  609.5713587.88  626.7713643.13  635.7313808.85  652.8314103.47  662.62
14250.79   662.914287.61  662.1114563.82  660.1314582.24  660.73 14803.2  669.54
15024.17     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510704.83     .1511157.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10704.8311157.25               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1311561.00   80211.02   513546.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1311561.00   80211.02   513546.50
  Q Total (cfs)           206224.30    Flow (cfs)              138641.30   10805.20   56777.77
  Top Width (ft)          15024.17    Top Width (ft)          10704.83     452.42    3866.92
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.40    Hydr. Depth (ft)          122.52     177.29     132.81
  Conv. Total (cfs)       475336000.0    Conv. (cfs)            319560800.0   24905420.0   130869700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10752.18     457.09    3935.92
  Min Ch El (ft)            571.48    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6495.83     423.73    2616.46
  C & E Loss (ft)             0.00    Cum SA (acres)             51.27       2.30      19.40


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1371.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.73  680.35  605.95  679.94  991.22  676.09 1009.92  676.07
 1288.58  677.92 1312.89   677.8 1982.43  667.28 2019.84   667.3 2180.68  669.71
 2221.82     670 2775.41     670 2827.77  669.44 3766.62  650.67 3837.69     650
 4460.47     650 4544.63  645.54  4559.6  644.04 4645.62     640 4757.84     640
 4847.61  637.62 5154.32  622.28 5251.58  619.56 5848.18  614.44 5958.52     614
 7731.49     614 7830.61  614.53 7877.36  614.53 7978.36     615 8326.22     615
 8326.22  612.37 8483.32  612.37 8483.32     610 9119.19     610 9291.25  608.94
 9713.92     604  9897.2  601.54 9912.16  601.3210099.19     60010705.14     600
 10857.7  571.47 10957.7  571.47 11157.7     60011618.18  603.5313183.79  609.21
13367.98  609.57   13589  626.8213644.26  635.7713810.03  652.8414104.73  662.63
14252.08   662.914288.92  662.1114565.21  660.1314583.62  660.7414804.65  669.57
15025.68     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510705.14     .15 11157.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10705.14 11157.7               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1311617.00   80238.27   513653.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1311617.00   80238.27   513653.60
  Q Total (cfs)           206224.30    Flow (cfs)              138634.60   10808.01   56781.67
  Top Width (ft)          15025.68    Top Width (ft)          10705.14     452.56    3867.98
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.41    Hydr. Depth (ft)          122.52     177.30     132.80
  Conv. Total (cfs)       475383600.0    Conv. (cfs)            319577400.0   24914380.0   130891800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10752.49     457.23    3936.98
  Min Ch El (ft)            571.47    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6480.77     422.80    2610.56
  C & E Loss (ft)             0.00    Cum SA (acres)             51.15       2.29      19.36


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1370.5*

INPUT
Description:
Station Elevation Data    num=      56
```

```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.75  680.35  605.97  679.94  991.24  676.09 1009.95  676.07
 1288.62  677.92 1312.93   677.8 1982.49  667.28 2019.89   667.3 2180.74  669.71
 2221.88     670 2775.48     670 2827.85  669.44 3766.73  650.67  3837.8     650
  4460.6     650 4544.76  645.52 4559.72  644.03 4645.76     640 4757.97     640
 4847.75  637.61 5154.47  622.28 5251.72  619.56 5848.34  614.44 5958.69     614
 7731.71     614 7830.83  614.53 7877.59  614.53 7978.58     615 8326.45     615
 8326.45  612.36 8483.55  612.36 8483.55     610 9119.45     610 9291.51  608.93
 9714.19     604 9897.48  601.54 9912.44  601.3110099.47     60010705.44     600
10858.16  571.4710958.16  571.4711158.16     60011618.76  603.5313184.79  609.21
13369.03  609.5713590.12  626.8713645.39  635.8213811.21  652.8514105.99  662.64
14253.38  662.8914290.23   662.114566.59  660.1314585.01  660.74 14806.1  669.59
15027.19     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510705.44     .1511158.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10705.4411158.16               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1311663.00   80265.99   513773.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1311663.00   80265.99   513773.90
  Q Total (cfs)           206224.30    Flow (cfs)              138625.80   10810.65   56787.89
  Top Width (ft)          15027.19    Top Width (ft)          10705.44     452.72    3869.03
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.41    Hydr. Depth (ft)          122.52     177.30     132.79
  Conv. Total (cfs)       475432800.0    Conv. (cfs)             319590000.0   24923040.0   130919700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10752.79     457.39    3938.03
  Min Ch El (ft)            571.47    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6465.72     421.88    2604.67
  C & E Loss (ft)             0.00    Cum SA (acres)             51.02       2.29      19.31


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1370.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.76  680.35  605.99  679.94  991.27  676.09 1009.98  676.07
 1288.65  677.92 1312.97   677.8 1982.54  667.27 2019.95   667.3  2180.8  669.71
 2221.95     670 2775.56     670 2827.93  669.44 3766.83  650.66 3837.91     650
 4460.73     650 4544.89  645.51 4559.85  644.01 4645.89     640 4758.11     640
 4847.88  637.61 5154.62  622.27 5251.87  619.56 5848.51  614.44 5958.86     614
 7731.92     614 7831.05  614.53 7877.81  614.53 7978.81     615 8326.69     615
 8326.69  612.36 8483.79  612.36 8483.79     610 9119.71     610 9291.77  608.93
 9714.47     604 9897.76  601.53 9912.72  601.3110099.75     60010705.74     600
10858.61  571.4710958.61  571.4711158.61     60011619.34  603.54 13185.8  609.21
13370.09  609.5713591.24  626.9213646.53  635.8613812.39  652.8514107.25  662.64
14254.68  662.8914291.54  662.0914567.98  660.1314586.41  660.7414807.55  669.62
 15028.7     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510705.74     .1511158.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10705.7411158.61               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1311713.00   80292.19   513888.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1311713.00   80292.19   513888.50
  Q Total (cfs)           206224.30    Flow (cfs)              138618.00   10813.11   56793.14
  Top Width (ft)          15028.70    Top Width (ft)          10705.74     452.87    3870.09
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.41    Hydr. Depth (ft)          122.52     177.30     132.78
  Conv. Total (cfs)       475480600.0    Conv. (cfs)             319604400.0   24931230.0   130945000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10753.09     457.53    3939.08
  Min Ch El (ft)            571.47    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6450.66     420.96    2598.77
  C & E Loss (ft)             0.00    Cum SA (acres)             50.90       2.28      19.27


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1369.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.78  680.35     606  679.94   991.3  676.09    1010  676.07
 1288.69  677.92 1313.01   677.8  1982.6  667.27 2020.01   667.3 2180.86  669.71
 2222.01     670 2775.64     670 2828.01  669.44 3766.94  650.66 3838.02     650
 4460.85     650 4545.02   645.5 4559.98     644 4646.02     640 4758.24     640
 4848.02   637.6 5154.76  622.26 5252.02  619.55 5848.67  614.44 5959.02     614
 7732.14     614 7831.27  614.53 7878.03  614.53 7979.03     615 8326.92     615
 8326.92  612.35 8484.03  612.35 8484.03     610 9119.96     610 9292.04  608.93
 9714.74  603.99 9898.04  601.53    9913  601.310100.04     60010706.04     600
10859.06  571.4710959.06  571.4711159.06     60011619.92  603.5413186.81  609.22
13371.15  609.5713592.36  626.9713647.66  635.9113813.57  652.8614108.51  662.65
14255.98  662.8814292.85  662.0914569.36  660.1314587.79  660.74   14809  669.65
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```
15030.21     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510706.04     .1511159.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10706.0411159.06               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1311763.00   80318.20   513998.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1311763.00   80318.20   513998.10
  Q Total (cfs)           206224.30    Flow (cfs)              138611.00   10815.59   56797.71
  Top Width (ft)          15030.21    Top Width (ft)           10706.04     453.02    3871.15
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.41    Hydr. Depth (ft)           122.53     177.30     132.78
  Conv. Total (cfs)       475526400.0    Conv. (cfs)            319618900.0   24939350.0   130968100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         10753.39     457.68    3940.14
  Min Ch El (ft)            571.47    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6435.60     420.04    2592.87
  C & E Loss (ft)             0.00    Cum SA (acres)             50.78       2.27      19.23


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1369.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   594.8  680.35  606.02  679.94  991.33  676.09 1010.03  676.07
 1288.73  677.92 1313.04   677.8 1982.66  667.27 2020.06   667.3 2180.92  669.71
 2222.07     670 2775.72     670 2828.09  669.44 3767.05  650.66 3838.12     650
 4460.98     650 4545.15  645.49 4560.11  643.99 4646.15     640 4758.38     640
 4848.16  637.59 5154.91  622.25 5252.17  619.55 5848.84  614.44 5959.19     614
 7732.36     614 7831.49  614.53 7878.25  614.53 7979.26     615 8327.16     615
 8327.16  612.34 8484.27  612.34 8484.27     610 9120.22     610  9292.3  608.92
 9715.02  603.99 9898.32  601.53 9913.28   601.310100.33     60010706.34     600
10859.52  571.4710959.52  571.4711159.52     60011620.49  603.5513187.81  609.22
13372.21  609.5713593.47  627.0213648.79  635.9513814.74  652.8714109.77  662.66
14257.28  662.8714294.16  662.0814570.75  660.1314589.18  660.7414810.45  669.68
15031.72     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510706.34     .1511159.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10706.3411159.52               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1311809.00   80346.09   514106.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1311809.00   80346.09   514106.90
  Q Total (cfs)           206224.30    Flow (cfs)              138603.60   10818.36   56802.38
  Top Width (ft)          15031.72    Top Width (ft)           10706.34     453.18    3872.20
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.41    Hydr. Depth (ft)           122.53     177.29     132.77
  Conv. Total (cfs)       475570900.0    Conv. (cfs)            319631700.0   24948070.0   130991200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         10753.69     457.84    3941.18
  Min Ch El (ft)            571.47    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6420.55     419.12    2586.97
  C & E Loss (ft)             0.00    Cum SA (acres)             50.65       2.27      19.18


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1368.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.81  680.35  606.04  679.94  991.36  676.09 1010.06  676.07
 1288.76  677.93 1313.08  677.79 1982.71  667.27 2020.12   667.3 2180.98  669.71
 2222.13     670  2775.8     670 2828.17  669.44 3767.15  650.66 3838.23     650
  4461.1     650 4545.27  645.47 4560.24  643.98 4646.28     640 4758.51     640
 4848.29  637.59 5155.05  622.25 5252.32  619.55    5849  614.44 5959.36     614
 7732.58     614 7831.71  614.53 7878.48  614.53 7979.48     615 8327.39     615
 8327.39  612.33 8484.51  612.33 8484.51     610 9120.48     610 9292.56  608.92
 9715.29  603.99  9898.6  601.52 9913.56   601.310100.61     60010706.65     600
10859.97  571.4710959.97  571.4711159.97     60011621.07  603.5513188.82  609.22
13373.26  609.5813594.59  627.0613649.92     63613815.92  652.8814111.03  662.67
14258.58  662.8714295.47  662.0714572.13  660.1314590.57  660.75 14811.9   669.7
15033.23     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510706.65     .1511159.97     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10706.6511159.97               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
```

```
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1311854.00   80370.41   514226.10
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1311854.00   80370.41   514226.10
  Q Total (cfs)          206224.30    Flow (cfs)              138595.20   10820.59   56808.56
  Top Width (ft)         15033.23    Top Width (ft)          10706.65     453.32    3873.26
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)        188.41    Hydr. Depth (ft)          122.53     177.29     132.76
  Conv. Total (cfs)      475617800.0    Conv. (cfs)            319643800.0   24955670.0   131018300.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10754.00     457.98    3942.24
  Min Ch El (ft)           571.47    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     6405.49     418.20    2581.07
  C & E Loss (ft)            0.00    Cum SA (acres)             50.53       2.26      19.14


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                RS: 1368.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.83  680.34  606.05  679.94  991.38  676.09 1010.09  676.07
  1288.8  677.93 1313.12  677.79 1982.77  667.27 2020.18   667.3 2181.05  669.72
  2222.2     670 2775.88     670 2828.25  669.43 3767.26  650.65 3838.34     650
 4461.23     650  4545.4  645.46 4560.37  643.96 4646.41     640 4758.64     640
 4848.43  637.58  5155.2  622.24 5252.47  619.55 5849.17  614.44 5959.53     614
  7732.8     614 7831.93  614.53  7878.7  614.53 7979.71     615 8327.63     615
 8327.63  612.33 8484.75  612.33 8484.75     610 9120.73     610 9292.82  608.92
 9715.56  603.99 9898.88  601.52 9913.84  601.29 10100.9     60010706.95     600
10860.42  571.4710960.42  571.4711160.42     60011621.65  603.5513189.83  609.22
13374.32  609.5813595.71  627.1113651.06  636.04 13817.1  652.8914112.29  662.67
14259.88  662.8614296.78  662.0714573.51  660.1314591.96  660.7514813.35  669.73
15034.74     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510706.95     .1511160.42     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10706.9511160.42               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1311909.00   80396.60   514347.70
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1311909.00   80396.60   514347.70
  Q Total (cfs)          206224.30    Flow (cfs)              138586.80   10822.94   56814.52
  Top Width (ft)         15034.74    Top Width (ft)          10706.95     453.47    3874.32
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)        188.41    Hydr. Depth (ft)          122.53     177.29     132.76
  Conv. Total (cfs)      475670500.0    Conv. (cfs)            319660100.0   24963850.0   131046600.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10754.30     458.12    3943.30
  Min Ch El (ft)           571.47    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     6390.43     417.27    2575.17
  C & E Loss (ft)            0.00    Cum SA (acres)             50.41       2.26      19.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                RS: 1367.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.85  680.34  606.07  679.94  991.41  676.09 1010.12  676.07
 1288.84  677.93 1313.15  677.79 1982.82  667.27 2020.24   667.3 2181.11  669.72
 2222.26     670 2775.95     670 2828.33  669.43 3767.37  650.65 3838.45     650
 4461.35     650 4545.53  645.45  4560.5  643.95 4646.54     640 4758.78     640
 4848.57  637.57 5155.34  622.23 5252.61  619.55 5849.33  614.43  5959.7     614
 7733.01     614 7832.16  614.54 7878.92  614.54 7979.93     615 8327.86     615
 8327.86  612.32 8484.99  612.32 8484.99     610 9120.99     610 9293.09  608.91
 9715.84  603.98 9899.16  601.51 9914.12  601.2910101.18     60010707.25     600
10860.88  571.4610960.88  571.4611160.88     60011622.23  603.5613190.84  609.23
13375.38  609.5813596.83  627.1613652.19  636.0913818.28   652.914113.54  662.68
14261.18  662.8514298.09  662.06 14574.9  660.1314593.35  660.75 14814.8  669.76
15036.25     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510707.25     .1511160.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10707.2511160.88               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1311961.00   80427.25   514446.90
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1311961.00   80427.25   514446.90
  Q Total (cfs)          206224.30    Flow (cfs)              138580.60   10826.28   56817.45
  Top Width (ft)         15036.25    Top Width (ft)          10707.25     453.63    3875.37
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)        188.42    Hydr. Depth (ft)          122.53     177.30     132.75
  Conv. Total (cfs)      475714800.0    Conv. (cfs)            319675400.0   24973870.0   131065500.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10754.60     458.28    3944.34
  Min Ch El (ft)           571.46    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
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  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     6375.37     416.35    2569.26
  C & E Loss (ft)            0.00    Cum SA (acres)             50.29       2.25      19.05


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1367.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.86  680.34  606.09  679.94  991.44  676.09 1010.15  676.07
 1288.87  677.93 1313.19  677.79 1982.88  667.27 2020.29   667.3 2181.17  669.72
 2222.32     670 2776.03     670 2828.41  669.43 3767.47  650.65 3838.56     650
 4461.48     650 4545.66  645.43 4560.62  643.94 4646.67     640 4758.91     640
  4848.7  637.56 5155.49  622.23 5252.76  619.55  5849.5  614.43 5959.86     614
 7733.23     614 7832.38  614.54 7879.14  614.54 7980.16     615  8328.1     615
  8328.1  612.31 8485.23  612.31 8485.23     610 9121.25     610 9293.35  608.91
 9716.11  603.98 9899.44  601.51  9914.4  601.2810101.46     60010707.55     600
10861.33  571.4610961.33  571.4611161.33     60011622.81  603.5613191.84  609.23
13376.43  609.5813597.95  627.2113653.32  636.1313819.46   652.9 14114.8  662.69
14262.48  662.85 14299.4  662.0514576.28  660.1314594.74  660.7514816.25  669.79
15037.76     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510707.55     .1511161.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10707.5511161.33               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1312004.00   80453.44   514569.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1312004.00   80453.44   514569.00
  Q Total (cfs)           206224.30    Flow (cfs)              138571.50   10828.72   56824.03
  Top Width (ft)          15037.76    Top Width (ft)          10707.55     453.78    3876.43
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.42    Hydr. Depth (ft)          122.53     177.30     132.74
  Conv. Total (cfs)       475763000.0    Conv. (cfs)             319686900.0   24982050.0   131094000.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10754.90     458.43    3945.40
  Min Ch El (ft)            571.46    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     6360.31     415.43    2563.36
  C & E Loss (ft)            0.00    Cum SA (acres)             50.16       2.25      19.00


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1366.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.88  680.34   606.1  679.94  991.47  676.09 1010.17  676.07
 1288.91  677.93 1313.23  677.79 1982.94  667.27 2020.35  667.31 2181.23  669.72
 2222.39     670 2776.11     670 2828.49  669.43 3767.58  650.65 3838.67     650
 4461.61     650 4545.79  645.42 4560.75  643.92 4646.81     640 4759.05     640
 4848.84  637.56 5155.63  622.22 5252.91  619.55 5849.66  614.43 5960.03     614
 7733.45     614  7832.6  614.54 7879.37  614.54 7980.38     615 8328.33     615
 8328.33   612.3 8485.47   612.3 8485.47     610 9121.51     610 9293.61  608.91
 9716.39  603.98 9899.71   601.5 9914.68  601.2810101.75     60010707.86     600
10861.78  571.4610961.78  571.4611161.78     60011623.39  603.5713192.85  609.23
13377.49  609.5813599.06  627.2613654.46  636.1813820.63  652.9114116.06   662.7
14263.78  662.8414300.71  662.0514577.67  660.1314596.13  660.76 14817.7  669.81
15039.28     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510707.86     .1511161.78     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10707.8611161.78               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1312047.00   80477.76   514678.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1312047.00   80477.76   514678.60
  Q Total (cfs)           206224.30    Flow (cfs)              138564.30   10831.06   56828.94
  Top Width (ft)          15039.28    Top Width (ft)          10707.86     453.92    3877.50
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.42    Hydr. Depth (ft)          122.53     177.30     132.73
  Conv. Total (cfs)       475804900.0    Conv. (cfs)             319698400.0   24989650.0   131116900.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10755.21     458.57    3946.46
  Min Ch El (ft)            571.46    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     6345.25     414.50    2557.45
  C & E Loss (ft)            0.00    Cum SA (acres)             50.04       2.24      18.96


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1366.*
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```
INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   594.9  680.34  606.12  679.94   991.5  676.09  1010.2  676.07
 1288.94  677.93 1313.26  677.79 1982.99  667.27 2020.41  667.31 2181.29  669.72
 2222.45     670 2776.19     670 2828.57  669.43 3767.68  650.65 3838.77     650
 4461.73     650 4545.92  645.41 4560.88  643.91 4646.94     640 4759.18     640
 4848.98  637.55 5155.78  622.21 5253.06  619.55 5849.83  614.43  5960.2     614
 7733.67     614 7832.82  614.54 7879.59  614.54 7980.61     615 8328.57     615
 8328.57   612.3 8485.71   612.3 8485.71     610 9121.76     610 9293.87   608.9
 9716.66  603.97 9899.99   601.5 9914.96  601.2810102.04     60010708.16     600
10862.24  571.4610962.24  571.4611162.24     60011623.97  603.5713193.86  609.23
13378.55  609.5813600.18  627.3113655.59  636.2213821.81  652.9214117.32   662.7
14265.08  662.8414302.01  662.0414579.05  660.1314597.52  660.7614819.15  669.84
15040.79     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510708.16     .1511162.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10708.1611162.24               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1312095.00   80505.65   514799.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1312095.00   80505.65   514799.20
  Q Total (cfs)           206224.30    Flow (cfs)              138555.50   10833.70   56835.11
  Top Width (ft)          15040.79    Top Width (ft)          10708.16     454.08    3878.55
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.42    Hydr. Depth (ft)          122.53     177.29     132.73
  Conv. Total (cfs)       475855000.0    Conv. (cfs)            319711700.0   24998360.0   131144900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10755.51     458.73    3947.51
  Min Ch El (ft)            571.46    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6330.19     413.58    2551.54
  C & E Loss (ft)             0.00    Cum SA (acres)             49.92       2.24      18.91


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1365.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.91  680.34  606.14  679.94  991.52  676.08 1010.23  676.07
 1288.98  677.93  1313.3  677.79 1983.05  667.27 2020.46  667.31 2181.35  669.72
 2222.51     670 2776.27     670 2828.65  669.43 3767.79  650.64 3838.88     650
 4461.86     650 4546.04   645.4 4561.01   643.9 4647.07     640 4759.32     640
 4849.11  637.54 5155.92   622.2 5253.21  619.54 5849.99  614.43 5960.37     614
 7733.89     614 7833.04  614.54 7879.81  614.54 7980.83     615  8328.8     615
  8328.8  612.29 8485.95  612.29 8485.95     610 9122.02     610 9294.13   608.9
 9716.94  603.97 9900.27   601.5 9915.24  601.2710102.32     60010708.46     600
10862.69  571.4610962.69  571.4611162.69     60011624.55  603.5813194.86  609.24
13379.61  609.58 13601.3  627.3513656.72  636.2713822.99  652.9314118.58  662.71
14266.38  662.8314303.32  662.0314580.44  660.1314598.91  660.76 14820.6  669.87
 15042.3     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510708.46     .1511162.69     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10708.4611162.69               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1312150.00   80531.84   514901.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1312150.00   80531.84   514901.20
  Q Total (cfs)           206224.30    Flow (cfs)              138549.60   10836.23   56838.43
  Top Width (ft)          15042.30    Top Width (ft)          10708.46     454.23    3879.61
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.42    Hydr. Depth (ft)          122.53     177.29     132.72
  Conv. Total (cfs)       475899500.0    Conv. (cfs)            319728100.0   25006550.0   131164800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10755.81     458.87    3948.57
  Min Ch El (ft)            571.46    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6315.13     412.66    2545.63
  C & E Loss (ft)             0.00    Cum SA (acres)             49.79       2.23      18.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1365.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.93  680.34  606.16  679.94  991.55  676.08 1010.26  676.07
 1289.02  677.93 1313.34  677.79  1983.1  667.27 2020.52  667.31 2181.41  669.72
 2222.57     670 2776.35     670 2828.73  669.43  3767.9  650.64 3838.99     650
 4461.98     650 4546.17  645.38 4561.14  643.89  4647.2     640 4759.45     640
 4849.25  637.54 5156.07   622.2 5253.35  619.54 5850.16  614.43 5960.54     614
 7734.11     614 7833.26  614.54 7880.03  614.54 7981.06     615 8329.04     615
 8329.04  612.28 8486.19  612.28 8486.19     610 9122.28     610  9294.4   608.9
 9717.21  603.97 9900.55  601.49 9915.52  601.2710102.61     60010708.76     600
```

```
10863.14  571.4610963.14  571.4611163.14     60011625.13  603.5813195.87  609.24
13380.67  609.5913602.42   627.413657.86  636.3113824.17  652.9414119.84  662.72
14267.67  662.8214304.63  662.0314581.82  660.13 14600.3  660.7614822.05   669.9
15043.81     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510708.76     .1511163.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10708.7611163.14               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1312191.00   80557.86   515018.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1312191.00   80557.86   515018.60
  Q Total (cfs)           206224.30    Flow (cfs)              138541.10   10838.73   56844.50
  Top Width (ft)          15043.81    Top Width (ft)          10708.76     454.38    3880.67
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.42    Hydr. Depth (ft)          122.53     177.29     132.71
  Conv. Total (cfs)       475944600.0    Conv. (cfs)            319738700.0   25014670.0   131191300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10756.11     459.02    3949.62
  Min Ch El (ft)            571.46    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6300.07     411.73    2539.72
  C & E Loss (ft)             0.00    Cum SA (acres)             49.67       2.23      18.82


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1364.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.95  680.34  606.17  679.94  991.58  676.08 1010.29  676.07
 1289.05  677.93 1313.38  677.79 1983.16  667.26 2020.58  667.31 2181.48  669.72
 2222.64     670 2776.42     670 2828.81  669.42    3768  650.64  3839.1     650
 4462.11     650  4546.3  645.37 4561.27  643.87 4647.33     640 4759.58     640
 4849.39  637.53 5156.22  622.19  5253.5  619.54 5850.32  614.43 5960.71     614
 7734.32     614 7833.48  614.55 7880.25  614.55 7981.28     615 8329.27     615
 8329.27  612.27 8486.43  612.27 8486.43     610 9122.54     610 9294.66   608.9
 9717.48  603.96 9900.83  601.49  9915.8  601.2610102.89     60010709.06     600
10863.59  571.4510963.59  571.4511163.59     60011625.71  603.5913196.88  609.24
13381.72  609.5913603.54  627.4513658.99  636.3613825.35  652.94 14121.1  662.73
14268.97  662.8214305.94  662.0214583.21  660.1314601.69  660.76 14823.5  669.92
15045.32     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510709.06     .1511163.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10709.0611163.59               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1312245.00   80586.83   515131.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1312245.00   80586.83   515131.70
  Q Total (cfs)           206224.30    Flow (cfs)              138533.50   10841.70   56849.16
  Top Width (ft)          15045.32    Top Width (ft)          10709.06     454.53    3881.73
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.43    Hydr. Depth (ft)          122.54     177.30     132.71
  Conv. Total (cfs)       475994900.0    Conv. (cfs)            319754800.0   25024180.0   131215900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10756.41     459.17    3950.68
  Min Ch El (ft)            571.45    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6285.01     410.81    2533.81
  C & E Loss (ft)             0.00    Cum SA (acres)             49.55       2.22      18.78


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1364.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.96  680.34  606.19  679.94  991.61  676.08 1010.32  676.07
 1289.09  677.93 1313.41  677.79 1983.22  667.26 2020.64  667.31 2181.54  669.72
  2222.7     670  2776.5     670 2828.89  669.42 3768.11  650.64 3839.21     650
 4462.24     650 4546.43  645.36  4561.4  643.86 4647.46     640 4759.72     640
 4849.52  637.52 5156.36  622.18 5253.65  619.54 5850.49  614.42 5960.87     614
 7734.54     614  7833.7  614.55 7880.48  614.55 7981.51     615 8329.51     615
 8329.51  612.27 8486.67  612.27 8486.67     610 9122.79     610 9294.92  608.89
 9717.76  603.96 9901.11  601.48 9916.08  601.2610103.18     60010709.37     600
10864.05  571.4510964.05  571.4511164.05     60011626.28  603.5913197.88  609.24
13382.78  609.5913604.65   627.513660.12   636.413826.53  652.9514122.36  662.73
14270.27  662.8114307.25  662.0114584.59  660.1314603.08  660.7714824.96  669.95
15046.83     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510709.37     .1511164.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10709.3711164.05               .5      .5      .5             .1       .3
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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1312296.00   80612.85   515251.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1312296.00   80612.85   515251.80
  Q Total (cfs)           206224.30    Flow (cfs)              138525.00   10844.07   56855.17
  Top Width (ft)          15046.83    Top Width (ft)          10709.37     454.68    3882.78
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.43    Hydr. Depth (ft)          122.54     177.30     132.70
  Conv. Total (cfs)       476045500.0    Conv. (cfs)             319769400.0   25032310.0   131243700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10756.72     459.32    3951.73
  Min Ch El (ft)            571.45    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6269.94     409.88    2527.89
  C & E Loss (ft)             0.00    Cum SA (acres)             49.43       2.22      18.74


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1363.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.98  680.33  606.21  679.94  991.64  676.08 1010.35  676.07
 1289.13  677.93 1313.45  677.79 1983.27  667.26 2020.69  667.31  2181.6  669.72
 2222.76     670 2776.58     670 2828.97  669.42 3768.22  650.64 3839.31     650
 4462.36     650 4546.56  645.34 4561.53  643.85 4647.59     640 4759.85     640
 4849.66  637.52 5156.51  622.17  5253.8  619.54 5850.65  614.42 5961.04     614
 7734.76     614 7833.92  614.55  7880.7  614.55 7981.73     615 8329.74     615
 8329.74  612.26 8486.91  612.26 8486.91     610 9123.05     610 9295.18  608.89
 9718.03  603.96 9901.39  601.48 9916.36  601.2510103.46     60010709.67     600
 10864.5  571.45 10964.5  571.45 11164.5     60011626.86   603.613198.89  609.25
13383.84  609.5913605.77  627.5513661.25  636.45 13827.7  652.9614123.62  662.74
14271.57  662.8114308.56  662.0114585.98  660.1314604.47  660.7714826.41  669.98
15048.34     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510709.67     .15 11164.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10709.67 11164.5               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1312342.00   80639.04   515349.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1312342.00   80639.04   515349.90
  Q Total (cfs)           206224.30    Flow (cfs)              138519.20   10846.72   56858.41
  Top Width (ft)          15048.34    Top Width (ft)          10709.67     454.83    3883.84
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.43    Hydr. Depth (ft)          122.54     177.29     132.69
  Conv. Total (cfs)       476084500.0    Conv. (cfs)             319782000.0   25040490.0   131262000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10757.02     459.47    3952.78
  Min Ch El (ft)            571.45    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6254.88     408.96    2521.98
  C & E Loss (ft)             0.00    Cum SA (acres)             49.30       2.21      18.69


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1363.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     595  680.33  606.22  679.94  991.66  676.08 1010.37  676.07
 1289.16  677.93 1313.49  677.79 1983.33  667.26 2020.75  667.31 2181.66  669.72
 2222.82     670 2776.66     670 2829.05  669.42 3768.32  650.63 3839.42     650
 4462.49     650 4546.69  645.33 4561.65  643.83 4647.72     640 4759.99     640
  4849.8  637.51 5156.65  622.17 5253.95  619.54 5850.82  614.42 5961.21     614
 7734.98     614 7834.14  614.55 7880.92  614.55 7981.96     615 8329.98     615
 8329.98  612.25 8487.15  612.25 8487.15     610 9123.31     610 9295.45  608.89
 9718.31  603.95 9901.67  601.47 9916.64  601.2510103.75     60010709.97     600
10864.96  571.4510964.96  571.4511164.96     60011627.44   603.6 13199.9  609.25
13384.89  609.5913606.89   627.613662.39   636.513828.88  652.9714124.87  662.75
14272.87   662.814309.87     66214587.36  660.1314605.86  660.7714827.86  670.01
15049.85     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510709.97     .1511164.96     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10709.9711164.96               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1312393.00   80666.93   515467.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1312393.00   80666.93   515467.90
  Q Total (cfs)           206224.30    Flow (cfs)              138510.90   10849.35   56864.07
  Top Width (ft)          15049.85    Top Width (ft)          10709.97     454.99    3884.89
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.43    Hydr. Depth (ft)          122.54     177.29     132.69
  Conv. Total (cfs)       476134800.0    Conv. (cfs)             319796700.0   25049200.0   131288900.0
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  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10757.32     459.63    3953.83
  Min Ch El (ft)           571.45    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     6239.82     408.03    2516.06
  C & E Loss (ft)            0.00    Cum SA (acres)             49.18       2.21      18.65


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1362.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.02  680.33  606.24  679.94  991.69  676.08  1010.4  676.07
  1289.2  677.93 1313.52  677.79 1983.38  667.26 2020.81  667.31 2181.72  669.73
 2222.89     670 2776.74     670 2829.13  669.42 3768.43  650.63 3839.53     650
 4462.61     650 4546.81  645.32 4561.78  643.82 4647.85     640 4760.12     640
 4849.93   637.5  5156.8  622.16  5254.1  619.54 5850.98  614.42 5961.38     614
  7735.2     614 7834.37  614.55 7881.14  614.55 7982.18     615 8330.21     615
 8330.21  612.24 8487.38  612.24 8487.38     610 9123.57     610 9295.71  608.88
 9718.58  603.95 9901.95  601.47 9916.92  601.2510104.03     60010710.27     600
10865.41  571.4510965.41  571.4511165.41     60011628.02  603.6113200.91  609.25
13385.95  609.5913608.01  627.6413663.52  636.5413830.06  652.9814126.13  662.76
14274.17  662.7914311.18  661.9914588.75  660.1214607.25  660.77 14829.3  670.03
15051.36     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510710.27     .1511165.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10710.2711165.41               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1312438.00   80693.13   515583.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)           1312438.00   80693.13   515583.30
  Q Total (cfs)           206224.30    Flow (cfs)             138502.80   10851.84   56869.63
  Top Width (ft)          15051.36    Top Width (ft)          10710.27     455.14    3885.95
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)        188.43    Hydr. Depth (ft)          122.54     177.29     132.68
  Conv. Total (cfs)       476181000.0    Conv. (cfs)           319809100.0   25057380.0   131314500.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10757.62     459.77    3954.89
  Min Ch El (ft)           571.45    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     6224.75     407.10    2510.15
  C & E Loss (ft)            0.00    Cum SA (acres)             49.06       2.20      18.60


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1362.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.03  680.33  606.26  679.94  991.72  676.08 1010.43  676.07
 1289.24  677.93 1313.56  677.79 1983.44  667.26 2020.86  667.31 2181.78  669.73
 2222.95     670 2776.82     670 2829.21  669.42 3768.54  650.63 3839.64     650
 4462.74     650 4546.94  645.31 4561.91  643.81 4647.98     640 4760.26     640
 4850.07   637.5 5156.94  622.15 5254.24  619.54 5851.15  614.42 5961.55     614
 7735.41     614 7834.59  614.55 7881.37  614.55 7982.41     615 8330.45     615
 8330.45  612.24 8487.62  612.24 8487.62     610 9123.82     610 9295.97  608.88
 9718.85  603.95 9902.23  601.47  9917.2  601.2410104.32     60010710.57     600
10865.86  571.4510965.86  571.4511165.86     600 11628.6  603.6113201.91  609.25
13387.01  609.5913609.12  627.6913664.65  636.5913831.24  652.9914127.39  662.76
14275.47  662.7914312.49  661.9914590.13  660.1214608.64  660.7714830.75  670.06
15052.87     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510710.57     .1511165.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10710.5711165.86               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1312479.00   80719.15   515702.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)           1312479.00   80719.15   515702.60
  Q Total (cfs)           206224.30    Flow (cfs)             138494.10   10854.31   56875.92
  Top Width (ft)          15052.87    Top Width (ft)          10710.57     455.29    3887.01
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)        188.43    Hydr. Depth (ft)          122.54     177.29     132.67
  Conv. Total (cfs)       476227000.0    Conv. (cfs)           319819800.0   25065510.0   131341700.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10757.92     459.92    3955.94
  Min Ch El (ft)           571.45    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     6209.69     406.18    2504.23
  C & E Loss (ft)            0.00    Cum SA (acres)             48.93       2.20      18.56


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 1361.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  595.05  680.33  606.28  679.94  991.75  676.08 1010.46  676.07
 1289.27  677.93  1313.6  677.79  1983.5  667.26 2020.92  667.31 2181.85  669.73
 2223.01     670 2776.89     670 2829.29  669.41 3768.64  650.63 3839.75     650
 4462.86     650 4547.07  645.29 4562.04   643.8 4648.12     640 4760.39     640
 4850.21  637.49 5157.09  622.15 5254.39  619.53 5851.31  614.42 5961.71     614
 7735.63     614 7834.81  614.55 7881.59  614.55 7982.63     615 8330.68     615
 8330.68  612.23 8487.86  612.23 8487.86     610 9124.08     610 9296.23  608.88
 9719.13  603.94 9902.51  601.46 9917.48  601.24 10104.6     60010710.88     600
10866.31  571.4510966.31  571.4511166.31     60011629.18  603.6213202.92  609.26
13388.07  609.5913610.24  627.7413665.79  636.6313832.42  652.9914128.65  662.77
14276.77  662.78 14313.8  661.9814591.52  660.1214610.03  660.7814832.21  670.09
15054.38     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1510710.88     .1511166.31     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10710.8811166.31               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1312534.00   80743.47   515805.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1312534.00   80743.47   515805.80
  Q Total (cfs)           206224.30    Flow (cfs)              138488.30   10856.59   56879.45
  Top Width (ft)          15054.38    Top Width (ft)          10710.88     455.43    3888.07
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.43    Hydr. Depth (ft)          122.54     177.29     132.66
  Conv. Total (cfs)       476271600.0    Conv. (cfs)             319836300.0   25073110.0   131362100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10758.23     460.06    3957.00
  Min Ch El (ft)            571.45    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6194.62     405.25    2498.31
  C & E Loss (ft)             0.00    Cum SA (acres)             48.81       2.19      18.51


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1361.*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  595.07  680.33  606.29  679.94  991.78  676.08 1010.49  676.07
 1289.31  677.93 1313.64  677.79 1983.55  667.26 2020.98  667.31 2181.91  669.73
 2223.07     670 2776.97     670 2829.37  669.41 3768.75  650.63 3839.86     650
 4462.99     650  4547.2  645.28 4562.17  643.78 4648.25     640 4760.52     640
 4850.34  637.48 5157.23  622.14 5254.54  619.53 5851.48  614.42 5961.88     614
 7735.85     614 7835.03  614.56 7881.81  614.56 7982.86     615 8330.92     615
 8330.92  612.22  8488.1  612.22  8488.1     610 9124.34     610 9296.49  608.87
  9719.4  603.94 9902.79  601.46 9917.76  601.2310104.89     60010711.18     600
10866.77  571.4410966.77  571.4411166.77     60011629.76  603.6213203.93  609.26
13389.12   609.613611.36  627.7913666.92  636.6813833.59     65314129.91  662.78
14278.07  662.7814315.11  661.97 14592.9  660.1214611.42  660.7814833.66  670.12
15055.89     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1510711.18     .1511166.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10711.1811166.77               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1312581.00   80774.14   515920.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1312581.00   80774.14   515920.50
  Q Total (cfs)           206224.30    Flow (cfs)              138479.70   10859.83   56884.73
  Top Width (ft)          15055.89    Top Width (ft)          10711.18     455.59    3889.12
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.44    Hydr. Depth (ft)          122.54     177.30     132.66
  Conv. Total (cfs)       476320000.0    Conv. (cfs)             319849200.0   25083140.0   131387700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10758.54     460.22    3958.05
  Min Ch El (ft)            571.44    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6179.56     404.32    2492.39
  C & E Loss (ft)             0.00    Cum SA (acres)             48.69       2.19      18.47


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1360.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  595.08  680.33  606.31  679.94   991.8  676.08 1010.52  676.07
 1289.34  677.93 1313.67  677.79 1983.61  667.26 2021.03  667.32 2181.97  669.73
 2223.14     670 2777.05     670 2829.45  669.41 3768.85  650.62 3839.96     650
 4463.12     650 4547.33  645.27  4562.3  643.77 4648.38     640 4760.66     640
 4850.48  637.48 5157.38  622.13 5254.69  619.53 5851.64  614.41 5962.05     614
```

```
 7736.07     614 7835.25  614.56 7882.03  614.56 7983.08     615 8331.15     615
 8331.15  612.21 8488.34  612.21 8488.34     610 9124.59     610 9296.76  608.87
 9719.68  603.94 9903.07  601.45 9918.04  601.2310105.17     60010711.48     600
10867.22  571.4410967.22  571.4411167.22     60011630.34  603.6313204.93  609.26
13390.18   609.613612.48  627.8413668.05  636.7213834.77  653.0114131.17  662.79
14279.37  662.7714316.42  661.9714594.29  660.1214612.81  660.7814835.11  670.14
 15057.4     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510711.48     .1511167.22     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10711.4811167.22               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1312631.00   80800.16   516031.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1312631.00   80800.16   516031.70
  Q Total (cfs)           206224.30    Flow (cfs)              138472.50   10862.29   56889.50
  Top Width (ft)          15057.40    Top Width (ft)          10711.48     455.74    3890.18
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.44    Hydr. Depth (ft)          122.54     177.29     132.65
  Conv. Total (cfs)       476366300.0    Conv. (cfs)             319863600.0   25091270.0   131411500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10758.84     460.37    3959.10
  Min Ch El (ft)            571.44    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6164.49     403.40    2486.46
  C & E Loss (ft)             0.00    Cum SA (acres)             48.57       2.18      18.42


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1360.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   595.1  680.33  606.33  679.94  991.83  676.08 1010.55  676.07
 1289.38  677.93 1313.71  677.78 1983.66  667.26 2021.09  667.32 2182.03  669.73
  2223.2     670 2777.13     670 2829.53  669.41 3768.96  650.62 3840.07     650
 4463.24     650 4547.46  645.25 4562.43  643.76 4648.51     640 4760.79     640
 4850.62  637.47 5157.52  622.12 5254.84  619.53 5851.81  614.41 5962.22     614
 7736.29     614 7835.47  614.56 7882.25  614.56 7983.31     615 8331.39     615
 8331.39  612.21 8488.58  612.21 8488.58     610 9124.85     610 9297.02  608.87
 9719.95  603.93 9903.35  601.45 9918.32  601.2310105.46     60010711.78     600
10867.67  571.4410967.67  571.4411167.67     60011630.92  603.6313205.94  609.26
13391.24   609.613613.59  627.8913669.18  636.7713835.95  653.0214132.43  662.79
14280.67  662.7614317.72  661.9614595.67  660.12 14614.2  660.7814836.56  670.17
15058.91     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510711.78     .1511167.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10711.7811167.67               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1312679.00   80826.35   516153.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1312679.00   80826.35   516153.30
  Q Total (cfs)           206224.30    Flow (cfs)              138463.80   10864.69   56895.75
  Top Width (ft)          15058.91    Top Width (ft)          10711.78     455.89    3891.24
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.44    Hydr. Depth (ft)          122.55     177.29     132.64
  Conv. Total (cfs)       476416400.0    Conv. (cfs)             319877200.0   25099450.0   131439700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10759.14     460.51    3960.16
  Min Ch El (ft)            571.44    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6149.42     402.47    2480.54
  C & E Loss (ft)             0.00    Cum SA (acres)             48.44       2.18      18.38


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1359.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.12  680.33  606.34  679.94  991.86  676.08 1010.57  676.07
 1289.42  677.93 1313.75  677.78 1983.72  667.26 2021.15  667.32 2182.09  669.73
 2223.26     670 2777.21     670 2829.61  669.41 3769.07  650.62 3840.18     650
 4463.37     650 4547.58  645.24 4562.55  643.74 4648.64     640 4760.93     640
 4850.76  637.46 5157.67  622.12 5254.98  619.53 5851.97  614.41 5962.39     614
 7736.51     614 7835.69  614.56 7882.48  614.56 7983.53     615 8331.62     615
 8331.62   612.2 8488.82   612.2 8488.82     610 9125.11     610 9297.28  608.87
 9720.22  603.93 9903.62  601.45  9918.6  601.2210105.74     60010712.08     600
10868.13  571.4410968.13  571.4411168.13     600 11631.5  603.6313206.95  609.27
 13392.3   609.613614.71  627.9313670.32  636.8113837.13  653.0314133.69   662.8
14281.96  662.7614319.03  661.9514597.05  660.1214615.59  660.7814838.01   670.2
15060.42     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510712.08     .1511168.13     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10712.0811168.13               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1312722.00   80854.24   516264.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1312722.00   80854.24   516264.20
  Q Total (cfs)           206224.30    Flow (cfs)              138456.00   10867.46   56900.83
  Top Width (ft)          15060.42    Top Width (ft)          10712.08     456.05    3892.29
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.44    Hydr. Depth (ft)          122.55     177.29     132.64
  Conv. Total (cfs)       476460400.0    Conv. (cfs)            319888600.0   25108160.0   131463600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10759.44     460.67    3961.21
  Min Ch El (ft)            571.44    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6134.35     401.54    2474.61
  C & E Loss (ft)             0.00    Cum SA (acres)             48.32       2.17      18.33


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1359.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.13  680.32  606.36  679.94  991.89  676.08  1010.6  676.07
 1289.45  677.93 1313.78  677.78 1983.78  667.25 2021.21  667.32 2182.15  669.73
 2223.33     670 2777.29     670 2829.69  669.41 3769.17  650.62 3840.29     650
 4463.49     650 4547.71  645.23 4562.68  643.73 4648.77     640 4761.06     640
 4850.89  637.46 5157.82  622.11 5255.13  619.53 5852.14  614.41 5962.55     614
 7736.72     614 7835.91  614.56  7882.7  614.56 7983.76     615 8331.86     615
 8331.86  612.19 8489.06  612.19 8489.06     610 9125.37     610 9297.54  608.86
  9720.5  603.93  9903.9  601.44 9918.88  601.2210106.03     60010712.39     600
10868.58  571.4410968.58  571.4411168.58     60011632.07  603.6413207.96  609.27
13393.35   609.613615.83  627.9813671.45  636.8613838.31  653.0314134.94  662.81
14283.26  662.7514320.34  661.9514598.44  660.1214616.98  660.7914839.46  670.23
15061.93     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510712.39     .1511168.58     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10712.3911168.58               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1312775.00   80878.73   516372.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1312775.00   80878.73   516372.80
  Q Total (cfs)           206224.30    Flow (cfs)              138449.40   10869.72   56905.18
  Top Width (ft)          15061.93    Top Width (ft)          10712.39     456.19    3893.35
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.44    Hydr. Depth (ft)          122.55     177.29     132.63
  Conv. Total (cfs)       476506300.0    Conv. (cfs)            319904200.0   25115810.0   131486300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10759.75     460.81    3962.26
  Min Ch El (ft)            571.44    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6119.29     400.61    2468.69
  C & E Loss (ft)             0.00    Cum SA (acres)             48.20       2.17      18.29


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1358.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.15  680.32  606.38  679.94  991.92  676.08 1010.63  676.07
 1289.49  677.93 1313.82  677.78 1983.83  667.25 2021.26  667.32 2182.21  669.73
 2223.39     670 2777.36     670 2829.77   669.4 3769.28  650.61  3840.4     650
 4463.62     650 4547.84  645.22 4562.81  643.72  4648.9     640  4761.2     640
 4851.03  637.45 5157.96   622.1 5255.28  619.53  5852.3  614.41 5962.72     614
 7736.94     614 7836.13  614.56 7882.92  614.56 7983.98     615 8332.09     615
 8332.09  612.18  8489.3  612.18  8489.3     610 9125.62     610 9297.81  608.86
 9720.77  603.92 9904.18  601.44 9919.16  601.2110106.31     60010712.69     600
10869.03  571.4410969.03  571.4411169.03     60011632.65  603.6413208.96  609.27
13394.41   609.613616.95  628.0313672.58   636.913839.49  653.04 14136.2  662.82
14284.56  662.7514321.65  661.9414599.82  660.1214618.37  660.7914840.91  670.25
15063.44     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510712.69     .1511169.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10712.6911169.03               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1312833.00   80904.76   516494.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1312833.00   80904.76   516494.80
  Q Total (cfs)           206224.30    Flow (cfs)              138441.30   10872.01   56911.02
  Top Width (ft)          15063.44    Top Width (ft)          10712.69     456.34    3894.41
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  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.44    Hydr. Depth (ft)          122.55     177.29     132.62
  Conv. Total (cfs)       476560200.0    Conv. (cfs)            319921500.0   25123940.0   131514700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10760.05     460.96    3963.32
  Min Ch El (ft)            571.44    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6104.22     399.68    2462.76
  C & E Loss (ft)             0.00    Cum SA (acres)             48.07       2.16      18.24


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1358.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.17  680.32   606.4  679.94  991.94  676.08 1010.66  676.07
 1289.53  677.93 1313.86  677.78 1983.89  667.25 2021.32  667.32 2182.28  669.73
 2223.45     670 2777.44     670 2829.85   669.4 3769.39  650.61 3840.51     650
 4463.75     650 4547.97   645.2 4562.94  643.71 4649.03     640 4761.33     640
 4851.17  637.44 5158.11  622.09 5255.43  619.52 5852.47  614.41 5962.89     614
 7737.16     614 7836.35  614.56 7883.14  614.56 7984.21     615 8332.33     615
 8332.33  612.18 8489.54  612.18 8489.54     610 9125.88     610 9298.07  608.86
 9721.05  603.92 9904.46  601.43 9919.44  601.21 10106.6     60010712.99     600
10869.49  571.4410969.49  571.4411169.49     60011633.23  603.6513209.97  609.27
13395.47   609.613618.07  628.0813673.72  636.9513840.67  653.0514137.46  662.82
14285.86  662.7414322.96  661.9314601.21  660.1214619.76  660.7914842.36  670.28
15064.96     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510712.99     .1511169.49     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10712.9911169.49               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1312879.00   80932.65   516605.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1312879.00   80932.65   516605.60
  Q Total (cfs)           206224.30    Flow (cfs)              138433.70   10874.74   56915.86
  Top Width (ft)          15064.96    Top Width (ft)          10712.99     456.50    3895.47
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.44    Hydr. Depth (ft)          122.55     177.29     132.62
  Conv. Total (cfs)       476605400.0    Conv. (cfs)            319934400.0   25132650.0   131538400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10760.35     461.11    3964.38
  Min Ch El (ft)            571.44    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6089.15     398.75    2456.83
  C & E Loss (ft)             0.00    Cum SA (acres)             47.95       2.15      18.20


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1357.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.18  680.32  606.41  679.94  991.97  676.08 1010.69  676.07
 1289.56  677.93 1313.89  677.78 1983.94  667.25 2021.38  667.32 2182.34  669.74
 2223.51     670 2777.52     670 2829.93   669.4 3769.49  650.61 3840.61     650
 4463.87     650  4548.1  645.19 4563.07  643.69 4649.17     640 4761.46     640
  4851.3  637.43 5158.25  622.09 5255.58  619.52 5852.63  614.41 5963.06     614
 7737.38     614 7836.58  614.57 7883.37  614.57 7984.44     615 8332.56     615
 8332.56  612.17 8489.78  612.17 8489.78     610 9126.14     610 9298.33  608.85
 9721.32  603.92 9904.74  601.43 9919.72  601.210106.88     60010713.29     600
10869.94  571.4310969.94  571.4311169.94     60011633.81  603.6513210.98  609.28
13396.53  609.6113619.18  628.1313674.85  636.9913841.84  653.0614138.72  662.83
14287.16  662.7314324.27  661.9314602.59  660.1214621.15  660.7914843.81  670.31
15066.46     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510713.29     .1511169.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10713.2911169.94               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1312923.00   80961.63   516712.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1312923.00   80961.63   516712.60
  Q Total (cfs)           206224.30    Flow (cfs)              138426.10   10877.86   56920.30
  Top Width (ft)          15066.46    Top Width (ft)          10713.29     456.65    3896.52
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.45    Hydr. Depth (ft)          122.55     177.29     132.61
  Conv. Total (cfs)       476649100.0    Conv. (cfs)            319946200.0   25142160.0   131560700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10760.65     461.26    3965.42
  Min Ch El (ft)            571.43    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6074.08     397.83    2450.90
  C & E Loss (ft)             0.00    Cum SA (acres)             47.83       2.15      18.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1357.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   595.2  680.32  606.43  679.94     992  676.08 1010.72  676.07
  1289.6  677.93 1313.93  677.78    1984  667.25 2021.43  667.32  2182.4  669.74
 2223.58     670  2777.6     670 2830.01   669.4  3769.6  650.61 3840.72     650
    4464     650 4548.22  645.18  4563.2  643.68  4649.3     640  4761.6     640
 4851.44  637.43  5158.4  622.08 5255.73  619.52  5852.8   614.4 5963.23     614
  7737.6     614  7836.8  614.57 7883.59  614.57 7984.66     615  8332.8     615
  8332.8  612.16 8490.02  612.16 8490.02     610  9126.4     610 9298.59  608.85
  9721.6  603.91 9905.02  601.42    9920  601.210107.17     60010713.59     600
10870.39  571.4310970.39  571.4311170.39     60011634.39  603.6613211.98  609.28
13397.58  609.61 13620.3  628.1813675.98  637.0413843.02  653.0714139.98  662.84
14288.46  662.7314325.58  661.9214603.98  660.1214622.54   660.814845.26  670.34
15067.98     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510713.59     .1511170.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10713.5911170.39               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1312971.00   80987.66   516820.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1312971.00   80987.66   516820.70
  Q Total (cfs)           206224.30    Flow (cfs)              138419.30   10880.37   56924.64
  Top Width (ft)          15067.98    Top Width (ft)          10713.59     456.80    3897.59
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.45    Hydr. Depth (ft)          122.55     177.29     132.60
  Conv. Total (cfs)       476693100.0    Conv. (cfs)            319960000.0   25150280.0   131582900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10760.95     461.41    3966.49
  Min Ch El (ft)            571.43    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6059.01     396.90    2444.97
  C & E Loss (ft)             0.00    Cum SA (acres)             47.70       2.14      18.11


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1356.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   595.22  680.32  606.45  679.94  992.03  676.08 1010.74  676.07
 1289.64  677.93 1313.97  677.78 1984.06  667.25 2021.49  667.32 2182.46  669.74
 2223.64     670 2777.68     670 2830.09   669.4  3769.7  650.61 3840.83     650
 4464.12     650 4548.35  645.16 4563.33  643.67 4649.43     640 4761.73     640
 4851.58  637.42 5158.54  622.07 5255.87  619.52 5852.96   614.4  5963.4     614
 7737.81     614 7837.02  614.57 7883.81  614.57 7984.89     615 8333.03     615
 8333.03  612.15 8490.26  612.15 8490.26     610 9126.65     610 9298.85  608.85
 9721.87  603.91  9905.3  601.42 9920.28   601.210107.45     600 10713.9     600
10870.85  571.4310970.85  571.4311170.85     60011634.97  603.6613212.99  609.28
13398.64  609.6113621.42  628.2213677.12  637.08 13844.2  653.0814141.24  662.85
14289.76  662.7214326.89  661.9114605.36  660.1214623.93   660.814846.71  670.36
15069.49     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10713.9     .1511170.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10713.911170.85               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1313017.00   81013.68   516943.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1313017.00   81013.68   516943.40
  Q Total (cfs)           206224.30    Flow (cfs)              138410.30   10882.76   56931.24
  Top Width (ft)          15069.49    Top Width (ft)          10713.90     456.95    3898.64
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.45    Hydr. Depth (ft)          122.55     177.29     132.60
  Conv. Total (cfs)       476742600.0    Conv. (cfs)            319972400.0   25158410.0   131611800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10761.26     461.56    3967.54
  Min Ch El (ft)            571.43    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6043.94     395.97    2439.03
  C & E Loss (ft)             0.00    Cum SA (acres)             47.58       2.14      18.07


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1356.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   595.23  680.32  606.46  679.94  992.06  676.08 1010.77  676.07
 1289.67  677.93 1314.01  677.78 1984.11  667.25 2021.55  667.32 2182.52  669.74
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  2223.7     670 2777.76     670 2830.17   669.4 3769.81   650.6 3840.94     650
 4464.25     650 4548.48  645.15 4563.46  643.65 4649.56     640 4761.87     640
 4851.71  637.41 5158.69  622.07 5256.02  619.52 5853.13   614.4 5963.56     614
 7738.03     614 7837.24  614.57 7884.03  614.57 7985.11     615 8333.27     615
 8333.27  612.15  8490.5  612.15  8490.5     610 9126.91     610 9299.12  608.84
 9722.14  603.91 9905.58  601.42 9920.55  601.1910107.74     600 10714.2     600
 10871.3  571.43 10971.3  571.43 11171.3     60011635.55  603.67   13214  609.28
 13399.7  609.6113622.54  628.2713678.25  637.1313845.38  653.08 14142.5  662.85
14291.06  662.72 14328.2  661.9114606.75  660.1214625.32   660.814848.16  670.39
   15071     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10714.2     .15 11171.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10714.2 11171.3               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1313066.00   81039.88   517054.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1313066.00   81039.88   517054.70
  Q Total (cfs)           206224.30    Flow (cfs)              138403.00   10885.25   56936.07
  Top Width (ft)          15071.00    Top Width (ft)          10714.20     457.10    3899.70
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.45    Hydr. Depth (ft)          122.55     177.29     132.59
  Conv. Total (cfs)       476788600.0    Conv. (cfs)            319986400.0   25166590.0   131635600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10761.56     461.71    3968.59
  Min Ch El (ft)            571.43    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6028.86     395.04    2433.10
  C & E Loss (ft)             0.00    Cum SA (acres)             47.46       2.13      18.02


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1355.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.25  680.32  606.48  679.94  992.08  676.08  1010.8  676.07
 1289.71  677.93 1314.04  677.78 1984.17  667.25  2021.6  667.32 2182.58  669.74
 2223.76     670 2777.83     670 2830.25   669.4 3769.92   650.6 3841.05     650
 4464.38     650 4548.61  645.14 4563.58  643.64 4649.69     640    4762     640
 4851.85  637.41 5158.83  622.06 5256.17  619.52 5853.29   614.4 5963.73     614
 7738.25     614 7837.46  614.57 7884.26  614.57 7985.34     615  8333.5     615
  8333.5  612.14 8490.74  612.14 8490.74     610 9127.17     610 9299.38  608.84
 9722.42  603.91 9905.86  601.41 9920.83  601.1910108.02     600 10714.5     600
10871.75  571.4310971.75  571.4311171.75     60011636.13  603.67   13215  609.29
13400.75  609.6113623.66  628.3213679.38  637.1813846.56  653.0914143.76  662.86
14292.36  662.7114329.51   661.914608.13  660.1214626.71   660.814849.61  670.42
15072.51     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10714.5     .1511171.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10714.511171.75               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1313108.00   81066.06   517165.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1313108.00   81066.06   517165.10
  Q Total (cfs)           206224.30    Flow (cfs)              138395.40   10887.81   56941.10
  Top Width (ft)          15072.51    Top Width (ft)          10714.50     457.25    3900.76
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.45    Hydr. Depth (ft)          122.55     177.29     132.58
  Conv. Total (cfs)       476831500.0    Conv. (cfs)            319997600.0   25174770.0   131659100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10761.86     461.85    3969.65
  Min Ch El (ft)            571.43    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6013.79     394.11    2427.16
  C & E Loss (ft)             0.00    Cum SA (acres)             47.34       2.13      17.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1355.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.27  680.32   606.5  679.93  992.11  676.08 1010.83  676.07
 1289.74  677.93 1314.08  677.78 1984.22  667.25 2021.66  667.32 2182.65  669.74
 2223.83     670 2777.91     670 2830.33  669.39 3770.02   650.6 3841.16     650
  4464.5     650 4548.74  645.13 4563.71  643.63 4649.82     640 4762.14     640
 4851.99   637.4 5158.98  622.05 5256.32  619.52 5853.46   614.4  5963.9     614
 7738.47     614 7837.68  614.57 7884.48  614.57 7985.56     615 8333.74     615
 8333.74  612.13 8490.98  612.13 8490.98     610 9127.43     610 9299.64  608.84
 9722.69   603.9 9906.14  601.41 9921.11  601.1810108.31     600 10714.8     600
10872.21  571.4310972.21  571.4311172.21     60011636.71  603.6813216.01  609.29
13401.81  609.6113624.77  628.3713680.51  637.2213847.73   653.114145.02  662.87
14293.66   662.714330.82  661.8914609.52  660.12 14628.1   660.814851.06  670.45
15074.02     695

Manning's n Values        num=       3
```

```
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10714.8     .1511172.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10714.811172.21               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1313163.00   81093.96   517273.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1313163.00   81093.96   517273.60
  Q Total (cfs)           206224.30    Flow (cfs)              138388.50   10890.49   56945.32
  Top Width (ft)          15074.02    Top Width (ft)          10714.80     457.41    3901.81
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)           0.11       0.13       0.11
  Max Chl Dpth (ft)         188.45    Hydr. Depth (ft)          122.56     177.29     132.57
  Conv. Total (cfs)       476879100.0    Conv. (cfs)            320013600.0   25183480.0   131682000.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10762.16     462.01    3970.70
  Min Ch El (ft)            571.43    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5998.72     393.18    2421.23
  C & E Loss (ft)             0.00    Cum SA (acres)             47.21       2.12      17.93


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1354.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.28  680.31  606.52  679.93  992.14  676.08 1010.86  676.07
 1289.78  677.93 1314.12  677.78 1984.28  667.25 2021.72  667.33 2182.71  669.74
 2223.89     670 2777.99     670 2830.41  669.39 3770.13   650.6 3841.26     650
 4464.63     650 4548.87  645.11 4563.84  643.62 4649.95     640 4762.27     640
 4852.12  637.39 5159.12  622.04 5256.47  619.52 5853.62   614.4 5964.07     614
 7738.69     614  7837.9  614.58  7884.7  614.58 7985.79     615 8333.97     615
 8333.97  612.12 8491.22  612.12 8491.22     610 9127.68     610  9299.9  608.83
 9722.97   603.9 9906.42   601.4 9921.39  601.1810108.59     60010715.11     600
10872.66  571.4210972.66  571.4211172.66     60011637.29  603.6813217.02  609.29
13402.87  609.6113625.89  628.4213681.65  637.2713848.91  653.1114146.27  662.88
14294.96   662.714332.12  661.89 14610.9  660.1214629.49  660.8114852.51  670.47
15075.53     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510715.11     .1511172.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10715.1111172.66               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1313213.00   81121.07   517391.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1313213.00   81121.07   517391.60
  Q Total (cfs)           206224.30    Flow (cfs)              138380.20   10893.21   56950.91
  Top Width (ft)          15075.53    Top Width (ft)          10715.11     457.55    3902.87
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)           0.11       0.13       0.11
  Max Chl Dpth (ft)         188.46    Hydr. Depth (ft)          122.56     177.29     132.57
  Conv. Total (cfs)       476928900.0    Conv. (cfs)            320027800.0   25192400.0   131708700.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10762.47     462.15    3971.76
  Min Ch El (ft)            571.42    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5983.65     392.24    2415.29
  C & E Loss (ft)             0.00    Cum SA (acres)             47.09       2.12      17.89


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1354.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   595.3  680.31  606.53  679.93  992.17  676.08 1010.89  676.07
 1289.82  677.93 1314.15  677.78 1984.33  667.25 2021.78  667.33 2182.77  669.74
 2223.95     670 2778.07     670 2830.49  669.39 3770.24   650.6 3841.37     650
 4464.75     650 4548.99   645.1 4563.97   643.6 4650.08     640  4762.4     640
 4852.26  637.39 5159.27  622.04 5256.62  619.51 5853.79   614.4 5964.24     614
 7738.91     614 7838.12  614.58 7884.92  614.58 7986.01     615 8334.21     615
 8334.21  612.11 8491.46  612.11 8491.46     610 9127.94     610 9300.17  608.83
 9723.24   603.9  9906.7   601.4 9921.67  601.1710108.88     60010715.41     600
10873.11  571.4210973.11  571.4211173.11     60011637.87  603.6913218.03   609.3
13403.93  609.6213627.01  628.4713682.78  637.3113850.09  653.1214147.53  662.89
14296.25  662.6914333.43  661.8814612.29  660.1214630.88  660.8114853.96   670.5
15077.04     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510715.41     .1511173.11     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10715.4111173.11               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1313257.00   81147.27   517491.00
```

```
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1313257.00   81147.27   517491.00
  Q Total (cfs)           206224.30    Flow (cfs)              138374.00   10895.86   56954.39
  Top Width (ft)          15077.04    Top Width (ft)          10715.41     457.70    3903.93
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.46    Hydr. Depth (ft)          122.56     177.29     132.56
  Conv. Total (cfs)       476967900.0    Conv. (cfs)             320039800.0   25200590.0   131727500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10762.77     462.30    3972.81
  Min Ch El (ft)            571.42    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5968.57     391.31    2409.35
  C & E Loss (ft)             0.00    Cum SA (acres)             46.97       2.11      17.84


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1353.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.32  680.31  606.55  679.93   992.2  676.08 1010.92  676.07
 1289.85  677.93 1314.19  677.78 1984.39  667.25 2021.83  667.33 2182.83  669.74
 2224.02     670 2778.15     670 2830.56  669.39 3770.34  650.59 3841.48     650
 4464.88     650 4549.12  645.09  4564.1  643.59 4650.21     640 4762.54     640
  4852.4  637.38 5159.42  622.03 5256.76  619.51 5853.95  614.39  5964.4     614
 7739.12     614 7838.34  614.58 7885.15  614.58 7986.24     615 8334.44     615
 8334.44  612.11 8491.69  612.11 8491.69     610  9128.2     610 9300.43  608.83
 9723.51  603.89 9906.98   601.4 9921.95  601.1710109.16     60010715.71     600
10873.57  571.4210973.57  571.4211173.57     60011638.44  603.6913219.03   609.3
13404.99  609.6213628.13  628.5113683.91  637.3613851.27  653.1214148.79  662.89
14297.55  662.6914334.74  661.8714613.67  660.1214632.27  660.8114855.41  670.53
15078.55     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510715.71     .1511173.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10715.7111173.57               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1313310.00   81175.16   517613.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1313310.00   81175.16   517613.70
  Q Total (cfs)           206224.30    Flow (cfs)              138365.40   10898.40   56960.52
  Top Width (ft)          15078.55    Top Width (ft)          10715.71     457.86    3904.98
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.46    Hydr. Depth (ft)          122.56     177.29     132.55
  Conv. Total (cfs)       477021300.0    Conv. (cfs)             320055600.0   25209290.0   131756400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10763.07     462.46    3973.86
  Min Ch El (ft)            571.42    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5953.50     390.38    2403.41
  C & E Loss (ft)             0.00    Cum SA (acres)             46.84       2.11      17.80


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1353.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.33  680.31  606.57  679.93  992.22  676.08 1010.94  676.07
 1289.89  677.93 1314.23  677.78 1984.45  667.24 2021.89  667.33 2182.89  669.74
 2224.08     670 2778.23     670 2830.64  669.39 3770.45  650.59 3841.59     650
    4465     650 4549.25  645.07 4564.23  643.58 4650.34     640 4762.67     640
 4852.53  637.37 5159.56  622.02 5256.91  619.51 5854.12  614.39 5964.57     614
 7739.34     614 7838.56  614.58 7885.37  614.58 7986.46     615 8334.68     615
 8334.68   612.1 8491.93   612.1 8491.93     610 9128.46     610 9300.69  608.83
 9723.79  603.89 9907.26  601.39 9922.23  601.1710109.45     60010716.01     600
10874.02  571.4210974.02  571.4211174.02     60011639.02  603.713220.04   609.3
13406.04  609.6213629.25  628.5613685.04   637.413852.45  653.1314150.05   662.9
14298.85  662.6814336.05  661.8714615.06  660.1214633.66  660.8114856.86  670.56
15080.06     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510716.01     .1511174.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10716.0111174.02               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1313358.00   81201.18   517722.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1313358.00   81201.18   517722.40
  Q Total (cfs)           206224.30    Flow (cfs)              138358.40   10900.90   56965.04
  Top Width (ft)          15080.06    Top Width (ft)          10716.01     458.01    3906.04
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.46    Hydr. Depth (ft)          122.56     177.29     132.54
  Conv. Total (cfs)       477065800.0    Conv. (cfs)             320069200.0   25217420.0   131779200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10763.37     462.61    3974.92
  Min Ch El (ft)            571.42    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5938.42     389.45    2397.47
  C & E Loss (ft)             0.00    Cum SA (acres)             46.72       2.10      17.75
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1352.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.35  680.31  606.58  679.93  992.25  676.08 1010.97  676.07
 1289.93  677.93 1314.27  677.78  1984.5  667.24 2021.95  667.33 2182.95  669.74
 2224.14     670  2778.3     670 2830.72  669.39 3770.55  650.59  3841.7     650
 4465.13     650 4549.38  645.06 4564.36  643.56 4650.48     640 4762.81     640
 4852.67  637.37 5159.71  622.01 5257.06  619.51 5854.28  614.39 5964.74     614
 7739.56     614 7838.79  614.58 7885.59  614.58 7986.69     615 8334.91     615
 8334.91  612.09 8492.17  612.09 8492.17     610 9128.71     610 9300.95  608.82
 9724.06  603.89 9907.54  601.39 9922.51  601.1610109.73     60010716.31     600
10874.47  571.4210974.47  571.4211174.47     600 11639.6   603.713221.05   609.3
 13407.1  609.6213630.36  628.6113686.18  637.4513853.62  653.1414151.31  662.91
14300.15  662.6714337.36  661.8614616.44  660.1214635.04  660.8114858.31  670.58
15081.57     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510716.31     .1511174.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10716.3111174.47               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1313404.00   81227.38   517843.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1313404.00   81227.38   517843.80
  Q Total (cfs)           206224.30    Flow (cfs)              138349.60   10903.32   56971.35
  Top Width (ft)          15081.57    Top Width (ft)          10716.31     458.16    3907.10
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.46    Hydr. Depth (ft)          122.56     177.29     132.54
  Conv. Total (cfs)       477114700.0    Conv. (cfs)            320081800.0   25225600.0   131807300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10763.67     462.75    3975.98
  Min Ch El (ft)            571.42    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5923.35     388.52    2391.52
  C & E Loss (ft)             0.00    Cum SA (acres)             46.60       2.10      17.71


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1352.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.37  680.31   606.6  679.93  992.28  676.08    1011  676.07
 1289.96  677.93  1314.3  677.78 1984.56  667.24    2022  667.33 2183.01  669.75
  2224.2     670 2778.38     670  2830.8  669.38 3770.66  650.59 3841.81     650
 4465.26     650 4549.51  645.05 4564.48  643.55 4650.61     640 4762.94     640
 4852.81  637.36 5159.85  622.01 5257.21  619.51 5854.45  614.39 5964.91     614
 7739.78     614 7839.01  614.58 7885.81  614.58 7986.91     615 8335.15     615
 8335.15  612.08 8492.41  612.08 8492.41     610 9128.97     610 9301.21  608.82
 9724.34  603.88 9907.81  601.38 9922.79  601.1610110.02     60010716.62     600
10874.92  571.4210974.92  571.4211174.92     60011640.18  603.7113222.05  609.31
13408.16  609.6213631.48  628.6613687.31  637.49 13854.8  653.1514152.57  662.92
14301.45  662.6714338.67  661.8514617.82  660.1214636.43  660.8214859.76  670.61
15083.08     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510716.62     .1511174.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10716.6211174.92               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1313455.00   81251.70   517943.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1313455.00   81251.70   517943.00
  Q Total (cfs)           206224.30    Flow (cfs)              138344.10   10905.67   56974.57
  Top Width (ft)          15083.08    Top Width (ft)          10716.62     458.30    3908.16
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.46    Hydr. Depth (ft)          122.56     177.29     132.53
  Conv. Total (cfs)       477155500.0    Conv. (cfs)            320096300.0   25233200.0   131826000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10763.98     462.89    3977.03
  Min Ch El (ft)            571.42    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5908.27     387.58    2385.58
  C & E Loss (ft)             0.00    Cum SA (acres)             46.47       2.09      17.66


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1351.5*

INPUT
Description:
Station Elevation Data    num=      56
```

```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.38  680.31  606.62  679.93  992.31  676.08 1011.03  676.07
    1290  677.93 1314.34  677.77 1984.61  667.24 2022.06  667.33 2183.08  669.75
 2224.27     670 2778.46     670 2830.88  669.38 3770.77  650.58 3841.91     650
 4465.38     650 4549.64  645.04 4564.61  643.54 4650.74     640 4763.07     640
 4852.94  637.35    5160     622 5257.36  619.51 5854.61  614.39 5965.08     614
    7740     614 7839.23  614.58 7886.03  614.58 7987.14     615 8335.38     615
 8335.38  612.08 8492.65  612.08 8492.65     610 9129.23     610 9301.48  608.82
 9724.61  603.88 9908.09  601.38 9923.07  601.15 10110.3     60010716.92     600
10875.38  571.4210975.38  571.4211175.38     60011640.76  603.7113223.06  609.31
13409.21  609.62 13632.6  628.7113688.44  637.5413855.98  653.1614153.83  662.92
14302.75  662.6614339.98  661.8514619.21  660.1214637.83  660.8214861.21  670.64
15084.59     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510716.92     .1511175.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10716.9211175.38               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1313506.00   81279.59   518061.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1313506.00   81279.59   518061.40
  Q Total (cfs)           206224.30    Flow (cfs)              138335.80   10908.27   56980.21
  Top Width (ft)          15084.59    Top Width (ft)          10716.92     458.46    3909.21
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.46    Hydr. Depth (ft)          122.56     177.29     132.52
  Conv. Total (cfs)       477206200.0    Conv. (cfs)             320111200.0   25241910.0   131853100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10764.28     463.05    3978.08
  Min Ch El (ft)            571.42    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5893.19     386.65    2379.63
  C & E Loss (ft)             0.00    Cum SA (acres)             46.35       2.09      17.62


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1351.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   595.4  680.31  606.64  679.93  992.34  676.08 1011.06  676.07
 1290.04  677.93 1314.38  677.77 1984.67  667.24 2022.12  667.33 2183.14  669.75
 2224.33     670 2778.54     670 2830.96  669.38 3770.87  650.58 3842.02     650
 4465.51     650 4549.76  645.02 4564.74  643.53 4650.87     640 4763.21     640
 4853.08  637.35 5160.14  621.99  5257.5  619.51 5854.78  614.39 5965.25     614
 7740.21     614 7839.45  614.59 7886.26  614.59 7987.36     615 8335.62     615
 8335.62  612.07 8492.89  612.07 8492.89     610 9129.48     610 9301.74  608.81
 9724.89  603.88 9908.37  601.37 9923.35  601.1510110.59     60010717.22     600
10875.83  571.4110975.83  571.4111175.83     60011641.34  603.7113224.07  609.31
13410.27  609.6213633.72  628.7613689.58  637.5813857.16  653.1614155.09  662.93
14304.05  662.6614341.29  661.8414620.59  660.1114639.21  660.8214862.66  670.67
 15086.1     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510717.22     .1511175.83     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10717.2211175.83               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1313551.00   81308.59   518184.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1313551.00   81308.59   518184.60
  Q Total (cfs)           206224.30    Flow (cfs)              138326.40   10911.23   56986.70
  Top Width (ft)          15086.10    Top Width (ft)          10717.22     458.61    3910.27
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.47    Hydr. Depth (ft)          122.56     177.29     132.52
  Conv. Total (cfs)       477256700.0    Conv. (cfs)             320123200.0   25251420.0   131882000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10764.58     463.20    3979.14
  Min Ch El (ft)            571.41    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5878.12     385.72    2373.69
  C & E Loss (ft)             0.00    Cum SA (acres)             46.23       2.08      17.57


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1350.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.42  680.31  606.65  679.93  992.36  676.08 1011.09  676.07
 1290.07  677.93 1314.41  677.77 1984.73  667.24 2022.17  667.33  2183.2  669.75
 2224.39     670 2778.62     670 2831.04  669.38 3770.98  650.58 3842.13     650
 4465.63     650 4549.89  645.01 4564.87  643.51    4651     640 4763.34     640
 4853.22  637.34 5160.29  621.99 5257.65  619.51 5854.94  614.39 5965.41     614
 7740.43     614 7839.67  614.59 7886.48  614.59 7987.59     615 8335.85     615
 8335.85  612.06 8493.13  612.06 8493.13     610 9129.74     610    9302  608.81
 9725.16  603.87 9908.65  601.37 9923.63  601.1510110.87     60010717.52     600
10876.28  571.4110976.28  571.4111176.28     60011641.92  603.7213225.08  609.31
13411.33  609.6313634.83   628.813690.71  637.6313858.34  653.1714156.34  662.94
14305.35  662.65 14342.6  661.8314621.98  660.11 14640.6  660.8214864.11  670.69
```

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15087.61     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510717.52     .1511176.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10717.5211176.28               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1313595.00   81334.78   518295.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1313595.00   81334.78   518295.30
  Q Total (cfs)           206224.30    Flow (cfs)              138318.90   10913.76   56991.63
  Top Width (ft)          15087.61    Top Width (ft)           10717.52     458.76    3911.33
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.47    Hydr. Depth (ft)           122.57     177.29     132.51
  Conv. Total (cfs)       477300500.0    Conv. (cfs)            320135400.0   25259600.0   131905600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         10764.88     463.35    3980.19
  Min Ch El (ft)            571.41    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5863.04     384.79    2367.74
  C & E Loss (ft)             0.00    Cum SA (acres)             46.11       2.08      17.53


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1350.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.43   680.3  606.67  679.93  992.39  676.08 1011.12  676.07
 1290.11  677.93 1314.45  677.77 1984.78  667.24 2022.23  667.33 2183.26  669.75
 2224.45     670  2778.7     670 2831.12  669.38 3771.09  650.58 3842.24     650
 4465.76     650 4550.02     645    4565   643.5 4651.13     640 4763.48     640
 4853.35  637.33 5160.43  621.98  5257.8   619.5 5855.11  614.38 5965.58     614
 7740.65     614 7839.89  614.59  7886.7  614.59 7987.81     615 8336.09     615
 8336.09  612.05 8493.37  612.05 8493.37     610    9130     610 9302.26  608.81
 9725.43  603.87 9908.93  601.37 9923.91  601.1410111.16     60010717.83     600
10876.74  571.4110976.74  571.4111176.74     600 11642.5  603.7213226.08  609.32
13412.39  609.6313635.95  628.8513691.84  637.6713859.52  653.18 14157.6  662.95
14306.65  662.6414343.91  661.8314623.36  660.1114641.99  660.8214865.56  670.72
15089.12     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510717.83     .1511176.74     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10717.8311176.74               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1313651.00   81360.80   518403.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1313651.00   81360.80   518403.60
  Q Total (cfs)           206224.30    Flow (cfs)              138312.30   10916.18   56995.80
  Top Width (ft)          15089.12    Top Width (ft)           10717.83     458.91    3912.38
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.47    Hydr. Depth (ft)           122.57     177.29     132.50
  Conv. Total (cfs)       477348200.0    Conv. (cfs)            320152000.0   25267720.0   131928400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         10765.19     463.49    3981.24
  Min Ch El (ft)            571.41    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5847.96     383.85    2361.79
  C & E Loss (ft)             0.00    Cum SA (acres)             45.98       2.07      17.48


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1349.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.45   680.3  606.69  679.93  992.42  676.08 1011.14  676.07
 1290.14  677.93 1314.49  677.77 1984.84  667.24 2022.29  667.33 2183.32  669.75
 2224.52     670 2778.77     670  2831.2  669.38 3771.19  650.58 3842.35     650
 4465.89     650 4550.15  644.99 4565.13  643.49 4651.26     640 4763.61     640
 4853.49  637.33 5160.58  621.97 5257.95   619.5 5855.27  614.38 5965.75     614
 7740.87     614 7840.11  614.59 7886.92  614.59 7988.04     615 8336.32     615
 8336.32  612.05 8493.61  612.05 8493.61     610 9130.26     610 9302.53   608.8
 9725.71  603.87 9909.21  601.36 9924.19  601.1410111.44     60010718.13     600
10877.19  571.4110977.19  571.4111177.19     60011643.08  603.7313227.09  609.32
13413.44  609.6313637.07   628.913692.98  637.72 13860.7  653.1914158.86  662.95
14307.95  662.6414345.22  661.8214624.75  660.1114643.38  660.8314867.01  670.75
15090.63     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510718.13     .1511177.19     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10718.1311177.19               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
```

```
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1313695.00   81387.00   518512.70
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1313695.00   81387.00   518512.70
  Q Total (cfs)          206224.30    Flow (cfs)              138305.00   10918.73   57000.59
  Top Width (ft)         15090.63    Top Width (ft)          10718.13     459.06    3913.44
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)        188.47    Hydr. Depth (ft)          122.57     177.29     132.50
  Conv. Total (cfs)      477391000.0    Conv. (cfs)            320163800.0   25275900.0   131951300.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10765.49     463.64    3982.30
  Min Ch El (ft)           571.41    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     5832.88     382.92    2355.84
  C & E Loss (ft)            0.00    Cum SA (acres)             45.86       2.07      17.44


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1349.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.47   680.3   606.7  679.93  992.45  676.08 1011.17  676.07
 1290.18  677.93 1314.52  677.77 1984.89  667.24 2022.35  667.34 2183.38  669.75
 2224.58     670 2778.85     670 2831.28  669.37  3771.3  650.57 3842.46     650
 4466.01     650 4550.28  644.97 4565.26  643.47 4651.39     640 4763.75     640
 4853.63  637.32 5160.73  621.96  5258.1   619.5 5855.44  614.38 5965.92     614
 7741.09     614 7840.33  614.59 7887.15  614.59 7988.26     615 8336.56     615
 8336.56  612.04 8493.85  612.04 8493.85     610 9130.51     610 9302.79   608.8
 9725.98  603.86 9909.49  601.36 9924.47  601.1310111.73     60010718.43     600
10877.64  571.4110977.64  571.4111177.64     60011643.66  603.73 13228.1  609.32
 13414.5  609.6313638.19  628.9513694.11  637.7613861.87   653.214160.12  662.96
14309.25  662.6314346.53  661.8114626.13  660.1114644.77  660.8314868.46  670.78
15092.14     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510718.43     .1511177.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10718.4311177.64               .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1313752.00   81413.02   518633.10
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1313752.00   81413.02   518633.10
  Q Total (cfs)          206224.30    Flow (cfs)              138297.10   10921.03   57006.20
  Top Width (ft)         15092.14    Top Width (ft)          10718.43     459.21    3914.50
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)        188.47    Hydr. Depth (ft)          122.57     177.29     132.49
  Conv. Total (cfs)      477444200.0    Conv. (cfs)            320181200.0   25284030.0   131979000.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10765.79     463.79    3983.35
  Min Ch El (ft)           571.41    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     5817.80     381.98    2349.88
  C & E Loss (ft)            0.00    Cum SA (acres)             45.74       2.06      17.39


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1348.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.49   680.3  606.72  679.93  992.48  676.08  1011.2  676.07
 1290.22  677.93 1314.56  677.77 1984.95  667.24  2022.4  667.34 2183.45  669.75
 2224.64     670 2778.93     670 2831.36  669.37 3771.41  650.57 3842.56     650
 4466.14     650  4550.4  644.96 4565.39  643.46 4651.52     640 4763.88     640
 4853.77  637.31 5160.87  621.96 5258.25   619.5  5855.6  614.38 5966.09     614
 7741.31     614 7840.55  614.59 7887.37  614.59 7988.49     615 8336.79     615
 8336.79  612.03 8494.09  612.03 8494.09     610 9130.77     610 9303.05   608.8
 9726.26  603.86 9909.77  601.35 9924.75  601.1310112.01     60010718.73     600
 10878.1  571.41 10978.1  571.41 11178.1     60011644.23  603.74 13229.1  609.32
13415.56  609.63 13639.3     62913695.24  637.8113863.05  653.2114161.38  662.97
14310.54  662.6314347.83  661.8114627.52  660.1114646.16  660.8314869.91   670.8
15093.66     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510718.73     .15 11178.1     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10718.73 11178.1               .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1313794.00   81440.75   518740.70
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1313794.00   81440.75   518740.70
  Q Total (cfs)          206224.30    Flow (cfs)              138289.70   10923.81   57010.81
  Top Width (ft)         15093.66    Top Width (ft)          10718.73     459.37    3915.56
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)        188.47    Hydr. Depth (ft)          122.57     177.29     132.48
  Conv. Total (cfs)      477486200.0    Conv. (cfs)            320192200.0   25292690.0   132001300.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10766.09     463.95    3984.41
  Min Ch El (ft)           571.41    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
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  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     5802.72     381.05    2343.93
  C & E Loss (ft)            0.00    Cum SA (acres)             45.61       2.05      17.35


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1348.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev    Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   595.5   680.3  606.74  679.93   992.5  676.07 1011.23  676.07
 1290.25  677.93  1314.6  677.77 1985.01  667.24 2022.46  667.34 2183.51  669.75
 2224.71     670 2779.01     670 2831.44  669.37 3771.51  650.57 3842.67     650
 4466.26     650 4550.53  644.95 4565.51  643.45 4651.66     640 4764.01     640
  4853.9   637.3 5161.02  621.95 5258.39   619.5 5855.77  614.38 5966.25     614
 7741.52     614 7840.77   614.6 7887.59   614.6 7988.71     615 8337.03     615
 8337.03  612.02 8494.33  612.02 8494.33     610 9131.03     610 9303.31  608.79
 9726.53  603.86 9910.05  601.35 9925.03  601.12 10112.3     60010719.03     600
10878.55   571.410978.55   571.411178.55     60011644.81  603.7413230.11  609.33
13416.62  609.6313640.42  629.0513696.38  637.8513864.23  653.2114162.64  662.98
14311.84  662.6214349.14   661.8 14628.9  660.1114647.55  660.8314871.36  670.83
15095.17     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510719.03     .1511178.55     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10719.0311178.55               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1313842.00   81469.73   518854.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1313842.00   81469.73   518854.70
  Q Total (cfs)           206224.30    Flow (cfs)              138281.60   10926.81   57015.87
  Top Width (ft)          15095.17    Top Width (ft)          10719.03     459.52    3916.62
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.48    Hydr. Depth (ft)          122.57     177.29     132.48
  Conv. Total (cfs)       477534300.0    Conv. (cfs)             320205800.0   25302190.0   132026300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10766.39     464.10    3985.47
  Min Ch El (ft)            571.40    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5787.64     380.11    2337.98
  C & E Loss (ft)             0.00    Cum SA (acres)             45.49       2.05      17.30


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1347.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.52   680.3  606.75  679.93  992.53  676.07 1011.26  676.08
 1290.29  677.94 1314.64  677.77 1985.06  667.23 2022.52  667.34 2183.57  669.75
 2224.77     670 2779.09     670 2831.52  669.37 3771.62  650.57 3842.78     650
 4466.39     650 4550.66  644.93 4565.64  643.44 4651.79     640 4764.15     640
 4854.04   637.3 5161.16  621.94 5258.54   619.5 5855.93  614.38 5966.42     614
 7741.74     614    7841   614.6 7887.81   614.6 7988.94     615 8337.26     615
 8337.26  612.02 8494.57  612.02 8494.57     610 9131.29     610 9303.57  608.79
  9726.8  603.85 9910.33  601.35 9925.31  601.1210112.58     60010719.33     600
   10879   571.4   10979   571.4   11179     60011645.39  603.7513231.12  609.33
13417.67  609.6313641.54  629.0913697.51  637.913865.41  653.22 14163.9  662.98
14313.14  662.6114350.45  661.7914630.29  660.1114648.94  660.8414872.81  670.86
15096.68     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510719.33     .15   11179     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10719.33   11179               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1313886.00   81495.92   518965.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1313886.00   81495.92   518965.90
  Q Total (cfs)           206224.30    Flow (cfs)              138274.00   10929.34   57020.91
  Top Width (ft)          15096.68    Top Width (ft)          10719.33     459.67    3917.68
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.48    Hydr. Depth (ft)          122.57     177.29     132.47
  Conv. Total (cfs)       477578200.0    Conv. (cfs)             320217700.0   25310370.0   132050100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10766.69     464.25    3986.53
  Min Ch El (ft)            571.40    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5772.56     379.18    2332.02
  C & E Loss (ft)             0.00    Cum SA (acres)             45.37       2.04      17.26


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1347.*
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INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.54   680.3  606.77  679.93  992.56  676.07 1011.29  676.08
 1290.33  677.94 1314.67  677.77 1985.12  667.23 2022.57  667.34 2183.63  669.75
 2224.83     670 2779.17     670  2831.6  669.37 3771.72  650.57 3842.89     650
 4466.52     650 4550.79  644.92 4565.77  643.42 4651.92     640 4764.28     640
 4854.18  637.29 5161.31  621.93 5258.69   619.5  5856.1  614.38 5966.59     614
 7741.96     614 7841.22   614.6 7888.04   614.6 7989.16     615  8337.5     615
  8337.5  612.01 8494.81  612.01 8494.81     610 9131.54     610 9303.84  608.79
 9727.08  603.85 9910.61  601.34 9925.59  601.1210112.87     60010719.64     600
10879.46   571.410979.46   571.411179.46     60011645.97  603.7513232.12  609.33
13418.73  609.6313642.66  629.1413698.64  637.9513866.59  653.2314165.16  662.99
14314.44  662.6114351.76  661.7914631.67  660.1114650.33  660.8414874.26  670.89
15098.19     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510719.64     .1511179.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10719.6411179.46               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1313932.00   81522.12   519081.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1313932.00   81522.12   519081.10
  Q Total (cfs)           206224.30    Flow (cfs)              138266.00   10931.81   57026.48
  Top Width (ft)          15098.19    Top Width (ft)          10719.64     459.82    3918.73
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.48    Hydr. Depth (ft)          122.57     177.29     132.46
  Conv. Total (cfs)       477624500.0    Conv. (cfs)            320230200.0   25318550.0   132075800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10767.00     464.39    3987.58
  Min Ch El (ft)            571.40    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5757.48     378.24    2326.06
  C & E Loss (ft)             0.00    Cum SA (acres)             45.24       2.04      17.21


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1346.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.55   680.3  606.79  679.93  992.59  676.07 1011.32  676.08
 1290.36  677.94 1314.71  677.77 1985.17  667.23 2022.63  667.34 2183.69  669.76
 2224.89     670 2779.24     670 2831.68  669.37 3771.83  650.56    3843     650
 4466.64     650 4550.92  644.91  4565.9  643.41 4652.05     640 4764.42     640
 4854.31  637.28 5161.45  621.93 5258.84   619.5 5856.26  614.37 5966.76     614
 7742.18     614 7841.44   614.6 7888.26   614.6 7989.39     615 8337.73     615
 8337.73     612 8495.05     612 8495.05     610  9131.8     610  9304.1  608.79
 9727.35  603.85 9910.89  601.34 9925.87  601.1110113.15     60010719.94     600
10879.91   571.410979.91   571.411179.91     60011646.55  603.7613233.13  609.33
13419.79  609.6413643.78  629.1913699.77  637.9913867.76  653.2414166.42     663
14315.74   662.614353.07  661.7814633.06  660.1114651.72  660.8414875.71  670.91
 15099.7     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510719.94     .1511179.91     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10719.9411179.91               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1313983.00   81548.14   519191.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1313983.00   81548.14   519191.20
  Q Total (cfs)           206224.30    Flow (cfs)              138259.00   10934.26   57031.06
  Top Width (ft)          15099.70    Top Width (ft)          10719.94     459.97    3919.79
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.48    Hydr. Depth (ft)          122.57     177.29     132.45
  Conv. Total (cfs)       477670500.0    Conv. (cfs)            320244700.0   25326670.0   132099200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10767.30     464.54    3988.63
  Min Ch El (ft)            571.40    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5742.40     377.31    2320.10
  C & E Loss (ft)             0.00    Cum SA (acres)             45.12       2.03      17.17


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1346.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.57   680.3  606.81  679.93  992.61  676.07 1011.34  676.08
  1290.4  677.94 1314.75  677.77 1985.23  667.23 2022.69  667.34 2183.75  669.76
 2224.96     670 2779.32     670 2831.76  669.36 3771.94  650.56 3843.11     650
 4466.77     650 4551.05   644.9 4566.03   643.4 4652.18     640 4764.55     640
 4854.45  637.28  5161.6  621.92 5258.99  619.49 5856.43  614.37 5966.93     614
  7742.4     614 7841.66   614.6 7888.48   614.6 7989.61     615 8337.97     615
 8337.97  611.99 8495.29  611.99 8495.29     610 9132.06     610 9304.36  608.78
 9727.63  603.84 9911.17  601.33 9926.15  601.1110113.44     60010720.24     600
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10880.36   571.410980.36   571.411180.36     60011647.13  603.7613234.14  609.34
13420.85  609.6413644.89  629.2413700.91  638.0413868.94  653.2514167.67  663.01
14317.04   662.614354.38  661.7714634.44  660.1114653.11  660.8414877.16  670.94
15101.21     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510720.24     .1511180.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10720.2411180.36               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1314039.00   81574.34   519300.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1314039.00   81574.34   519300.40
  Q Total (cfs)           206224.30    Flow (cfs)              138252.40   10936.69   57035.24
  Top Width (ft)          15101.21    Top Width (ft)          10720.24     460.12    3920.85
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.48    Hydr. Depth (ft)          122.58     177.29     132.45
  Conv. Total (cfs)       477718700.0    Conv. (cfs)            320261700.0   25334850.0   132122200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10767.60     464.69    3989.69
  Min Ch El (ft)            571.40    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5727.31     376.37    2314.14
  C & E Loss (ft)             0.00    Cum SA (acres)             45.00       2.03      17.12


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1345.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.59  680.29  606.82  679.93  992.64  676.07 1011.37  676.08
 1290.44  677.94 1314.78  677.77 1985.29  667.23 2022.74  667.34 2183.81  669.76
 2225.02     670  2779.4     670 2831.84  669.36 3772.04  650.56 3843.21     650
 4466.89     650 4551.17  644.88 4566.16  643.38 4652.31     640 4764.69     640
 4854.59  637.27 5161.74  621.91 5259.13  619.49 5856.59  614.37  5967.1     614
 7742.62     614 7841.88   614.6  7888.7   614.6 7989.84     615  8338.2     615
  8338.2  611.99 8495.53  611.99 8495.53     610 9132.32     610 9304.62  608.78
  9727.9  603.84 9911.45  601.33 9926.43   601.110113.72     60010720.54     600
10880.82   571.410980.82   571.411180.82     60011647.71  603.7713235.15  609.34
 13421.9  609.6413646.01  629.2913702.04  638.0813870.12  653.2514168.93  663.01
14318.34  662.5914355.69  661.7714635.83  660.11 14654.5  660.8414878.61  670.97
15102.72     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510720.54     .1511180.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10720.5411180.82               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1314086.00   81602.23   519411.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1314086.00   81602.23   519411.80
  Q Total (cfs)           206224.30    Flow (cfs)              138244.70   10939.40   57040.17
  Top Width (ft)          15102.72    Top Width (ft)          10720.54     460.28    3921.90
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.48    Hydr. Depth (ft)          122.58     177.29     132.44
  Conv. Total (cfs)       477764500.0    Conv. (cfs)            320274700.0   25343560.0   132146300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10767.91     464.85    3990.74
  Min Ch El (ft)            571.40    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5712.23     375.43    2308.18
  C & E Loss (ft)             0.00    Cum SA (acres)             44.88       2.02      17.08


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1345.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   595.6  680.29  606.84  679.93  992.67  676.07  1011.4  676.08
 1290.47  677.94 1314.82  677.77 1985.34  667.23  2022.8  667.34 2183.88  669.76
 2225.08     670 2779.48     670 2831.92  669.36 3772.15  650.56 3843.32     650
 4467.02     650  4551.3  644.87 4566.29  643.37 4652.44     640 4764.82     640
 4854.72  637.26 5161.89  621.91 5259.28  619.49 5856.76  614.37 5967.26     614
 7742.83     614  7842.1   614.6 7888.92   614.6 7990.06     615 8338.44     615
 8338.44  611.98 8495.76  611.98 8495.76     610 9132.57     610 9304.88  608.78
 9728.17  603.84 9911.73  601.32 9926.71   601.110114.01     60010720.85     600
10881.27   571.410981.27   571.411181.27     60011648.29  603.7713236.15  609.34
13422.96  609.6413647.13  629.3413703.17  638.13 13871.3  653.2614170.19  663.02
14319.64  662.58   14357  661.7614637.21  660.1114655.89  660.8514880.06     671
15104.23     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510720.85     .1511181.27     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10720.8511181.27               .5      .5      .5             .1       .3
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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1314130.00   81626.55   519529.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1314130.00   81626.55   519529.80
  Q Total (cfs)           206224.30    Flow (cfs)              138236.50   10941.63   57046.18
  Top Width (ft)          15104.23    Top Width (ft)          10720.85     460.42    3922.96
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.11       0.13       0.11
  Max Chl Dpth (ft)         188.48    Hydr. Depth (ft)          122.58     177.29     132.43
  Conv. Total (cfs)       477810500.0    Conv. (cfs)            320286500.0   25351150.0   132172900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10768.21     464.98    3991.80
  Min Ch El (ft)            571.40    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5697.15     374.50    2302.22
  C & E Loss (ft)             0.00    Cum SA (acres)             44.75       2.02      17.03


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1344.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.62  680.29  606.86  679.93   992.7  676.07 1011.43  676.08
 1290.51  677.94 1314.86  677.77  1985.4  667.23 2022.86  667.34 2183.94  669.76
 2225.14     670 2779.56     670    2832  669.36 3772.26  650.55 3843.43     650
 4467.15     650 4551.43  644.86 4566.42  643.36 4652.57     640 4764.95     640
 4854.86  637.26 5162.03   621.9 5259.43  619.49 5856.92  614.37 5967.43     614
 7743.05     614 7842.32  614.61 7889.15  614.61 7990.29     615 8338.67     615
 8338.67  611.97    8496  611.97    8496     610 9132.83     610 9305.15  608.77
 9728.45  603.83    9912  601.32 9926.99   601.110114.29     60010721.15     600
10881.72  571.3910981.72  571.3911181.72     60011648.87  603.7813237.16  609.34
13424.02  609.6413648.25  629.38 13704.3  638.1713872.48  653.2714171.45  663.03
14320.94  662.5814358.31  661.7514638.59  660.1114657.28  660.8514881.51  671.02
15105.74     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510721.15     .1511181.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10721.1511181.72               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1314181.00   81655.38   519642.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1314181.00   81655.38   519642.50
  Q Total (cfs)           206224.30    Flow (cfs)              138228.80   10944.60   57050.93
  Top Width (ft)          15105.74    Top Width (ft)          10721.15     460.57    3924.02
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.11       0.13       0.11
  Max Chl Dpth (ft)         188.49    Hydr. Depth (ft)          122.58     177.29     132.43
  Conv. Total (cfs)       477859100.0    Conv. (cfs)            320301100.0   25360610.0   132197400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10768.51     465.13    3992.85
  Min Ch El (ft)            571.39    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5682.06     373.56    2296.25
  C & E Loss (ft)             0.00    Cum SA (acres)             44.63       2.01      16.99


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1344.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.64  680.29  606.87  679.93  992.73  676.07 1011.46  676.08
 1290.54  677.94 1314.89  677.77 1985.45  667.23 2022.92  667.34    2184  669.76
 2225.21     670 2779.64     670 2832.08  669.36 3772.36  650.55 3843.54     650
 4467.27     650 4551.56  644.84 4566.54  643.35  4652.7     640 4765.09     640
    4855  637.25 5162.18  621.89 5259.58  619.49 5857.09  614.37  5967.6     614
 7743.27     614 7842.54  614.61 7889.37  614.61 7990.51     615 8338.91     615
 8338.91  611.96 8496.24  611.96 8496.24     610 9133.09     610 9305.41  608.77
 9728.72  603.83 9912.28  601.32 9927.27  601.0910114.58     60010721.45     600
10882.17  571.3910982.17  571.3911182.17     60011649.45  603.7813238.17  609.35
13425.08  609.6413649.37  629.4313705.44  638.2213873.66  653.2814172.71  663.04
14322.24  662.5714359.62  661.7514639.98  660.1114658.67  660.8514882.96  671.05
15107.25     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510721.45     .1511182.17     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10721.4511182.17               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1314226.00   81681.59   519751.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1314226.00   81681.59   519751.30
  Q Total (cfs)           206224.30    Flow (cfs)              138221.60   10947.13   57055.59
  Top Width (ft)          15107.25    Top Width (ft)          10721.45     460.72    3925.08
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.11       0.13       0.11
  Max Chl Dpth (ft)         188.49    Hydr. Depth (ft)          122.58     177.29     132.42
  Conv. Total (cfs)       477902400.0    Conv. (cfs)            320313500.0   25368790.0   132220200.0
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  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10768.81     465.28    3993.91
  Min Ch El (ft)           571.39    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     5666.98     372.62    2290.29
  C & E Loss (ft)            0.00    Cum SA (acres)             44.51       2.01      16.94


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1343.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.65  680.29  606.89  679.93  992.75  676.07 1011.49  676.08
 1290.58  677.94 1314.93  677.77 1985.51  667.23 2022.97  667.34 2184.06  669.76
 2225.27     670 2779.71     670 2832.16  669.36 3772.47  650.55 3843.65     650
  4467.4     650 4551.69  644.83 4566.67  643.33 4652.84     640 4765.22     640
 4855.13  637.24 5162.33  621.88 5259.73  619.49 5857.25  614.37 5967.77     614
 7743.49     614 7842.76  614.61 7889.59  614.61 7990.74     615 8339.14     615
 8339.14  611.96 8496.48  611.96 8496.48     610 9133.34     610 9305.67  608.77
    9729  603.83 9912.56  601.31 9927.55  601.0910114.86     60010721.75     600
10882.63  571.3910982.63  571.3911182.63     60011650.03  603.7813239.17  609.35
13426.13  609.6413650.48  629.4813706.57  638.2613874.83  653.2914173.97  663.04
14323.54  662.5614360.93  661.7414641.36  660.1114660.06  660.8514884.41  671.08
15108.76     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510721.75     .1511182.63     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10721.7511182.63               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1314269.00   81709.48   519871.80
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1314269.00   81709.48   519871.80
  Q Total (cfs)          206224.30    Flow (cfs)              138212.60   10949.79   57061.93
  Top Width (ft)         15108.76    Top Width (ft)          10721.75     460.88    3926.13
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)        188.49    Hydr. Depth (ft)          122.58     177.29     132.41
  Conv. Total (cfs)      477950600.0    Conv. (cfs)            320324900.0   25377500.0   132248200.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10769.12     465.44    3994.96
  Min Ch El (ft)           571.39    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     5651.89     371.69    2284.32
  C & E Loss (ft)            0.00    Cum SA (acres)             44.38       2.00      16.90


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1343.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.67  680.29  606.91  679.93  992.78  676.07 1011.51  676.08
 1290.62  677.94 1314.97  677.76 1985.57  667.23 2023.03  667.35 2184.12  669.76
 2225.33     670 2779.79     670 2832.24  669.36 3772.57  650.55 3843.76     650
 4467.52     650 4551.82  644.82  4566.8  643.32 4652.97     640 4765.36     640
 4855.27  637.24 5162.47  621.88 5259.88  619.49 5857.42  614.36 5967.94     614
 7743.71     614 7842.98  614.61 7889.81  614.61 7990.96     615 8339.38     615
 8339.38  611.95 8496.72  611.95 8496.72     610  9133.6     610 9305.93  608.76
 9729.27  603.83 9912.84  601.31 9927.83  601.0810115.15     60010722.05     600
10883.08  571.3910983.08  571.3911183.08     600 11650.6  603.7913240.18  609.35
13427.19  609.65 13651.6  629.53 13707.7  638.3113876.01   653.314175.23  663.05
14324.83  662.5614362.24  661.7314642.75  660.1114661.45  660.8514885.86  671.11
15110.27     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510722.05     .1511183.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10722.0511183.08               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1314318.00   81735.67   519977.60
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1314318.00   81735.67   519977.60
  Q Total (cfs)          206224.30    Flow (cfs)              138206.00   10952.31   57065.98
  Top Width (ft)         15110.27    Top Width (ft)          10722.05     461.03    3927.19
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)        188.49    Hydr. Depth (ft)          122.58     177.29     132.40
  Conv. Total (cfs)      477994400.0    Conv. (cfs)            320339000.0   25385680.0   132269700.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10769.42     465.59    3996.02
  Min Ch El (ft)           571.39    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     5636.81     370.75    2278.35
  C & E Loss (ft)            0.00    Cum SA (acres)             44.26       2.00      16.85


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 1342.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  595.69  680.29  606.93  679.93  992.81  676.07 1011.54  676.08
  1290.65  677.94 1315.01  677.76 1985.62  667.23 2023.09  667.35 2184.18  669.76
  2225.39     670 2779.87     670 2832.32  669.35 3772.68  650.55 3843.86     650
  4467.65     650 4551.94  644.81 4566.93  643.31  4653.1     640 4765.49     640
  4855.41  637.23 5162.62  621.87 5260.02  619.49 5857.58  614.36  5968.1     614
  7743.92     614 7843.21  614.61 7890.04  614.61 7991.19     615 8339.61     615
  8339.61  611.94 8496.96  611.94 8496.96     610 9133.86     610  9306.2  608.76
  9729.55  603.82 9913.12   601.3 9928.11  601.0810115.43     60010722.36     600
 10883.54  571.3910983.54  571.3911183.54     60011651.18  603.7913241.19  609.35
 13428.25  609.6513652.72  629.5813708.84  638.3513877.19   653.314176.49  663.06
 14326.13  662.5514363.54  661.7314644.13  660.1114662.84  660.8614887.31  671.13
 15111.78     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1510722.36     .1511183.54     .15

Bank Sta: Left   Right     Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10722.3611183.54                .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1314372.00   81761.70   520098.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1314372.00   81761.70   520098.30
  Q Total (cfs)           206224.30    Flow (cfs)              138197.80   10954.63   57071.88
  Top Width (ft)          15111.78    Top Width (ft)          10722.36     461.18    3928.24
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.49    Hydr. Depth (ft)          122.58     177.29     132.40
  Conv. Total (cfs)       478046200.0    Conv. (cfs)            320354700.0   25393800.0   132297700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10769.73     465.74    3997.06
  Min Ch El (ft)            571.39    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5621.72     369.81    2272.39
  C & E Loss (ft)             0.00    Cum SA (acres)             44.14       1.99      16.81


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1342.*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720   595.7  680.29  606.94  679.93  992.84  676.07 1011.57  676.08
  1290.69  677.94 1315.04  677.76 1985.68  667.23 2023.14  667.35 2184.25  669.76
  2225.46     670 2779.95     670  2832.4  669.35 3772.79  650.54 3843.97     650
  4467.77     650 4552.07  644.79 4567.06  643.29 4653.23     640 4765.63     640
  4855.54  637.22 5162.76  621.86 5260.17  619.48 5857.75  614.36 5968.27     614
  7744.14     614 7843.43  614.61 7890.26  614.61 7991.42     615 8339.85     615
  8339.85  611.93  8497.2  611.93  8497.2     610 9134.12     610 9306.46  608.76
  9729.82  603.82  9913.4   601.3 9928.39  601.0710115.72     60010722.66     600
 10883.99  571.3910983.99  571.3911183.99     60011651.76   603.8 13242.2  609.36
  13429.3  609.6513653.84  629.6313709.97   638.413878.37  653.3114177.74  663.07
 14327.43  662.5514364.85  661.7214645.52  660.1114664.23  660.8614888.76  671.16
 15113.29     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1510722.66     .1511183.99     .15

Bank Sta: Left   Right     Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10722.6611183.99                .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1314426.00   81787.90   520197.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1314426.00   81787.90   520197.00
  Q Total (cfs)           206224.30    Flow (cfs)              138192.30   10957.18   57074.78
  Top Width (ft)          15113.29    Top Width (ft)          10722.66     461.33    3929.30
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.49    Hydr. Depth (ft)          122.58     177.29     132.39
  Conv. Total (cfs)       478088900.0    Conv. (cfs)            320370700.0   25401980.0   132316200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10770.03     465.88    3998.12
  Min Ch El (ft)            571.39    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5606.63     368.87    2266.42
  C & E Loss (ft)             0.00    Cum SA (acres)             44.01       1.99      16.76


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1341.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  595.72  680.29  606.96  679.93  992.87  676.07  1011.6  676.08
  1290.73  677.94 1315.08  677.76 1985.73  667.22  2023.2  667.35 2184.31  669.76
  2225.52     670 2780.03     670 2832.48  669.35 3772.89  650.54 3844.08     650
   4467.9     650  4552.2  644.78 4567.19  643.28 4653.36     640 4765.76     640
  4855.68  637.22 5162.91  621.85 5260.32  619.48 5857.91  614.36 5968.44     614
```

```
 7744.36     614 7843.65  614.61 7890.48  614.61 7991.64     615 8340.08     615
 8340.08  611.93 8497.44  611.93 8497.44     610 9134.37     610 9306.72  608.75
 9730.09  603.82 9913.68  601.29 9928.67  601.07   10116     60010722.96     600
10884.44  571.3910984.44  571.3911184.44     60011652.34   603.8 13243.2  609.36
13430.36  609.6513654.96  629.67 13711.1  638.4413879.55  653.32   14179  663.07
14328.73  662.5414366.16  661.71 14646.9  660.1114665.62  660.8614890.21  671.19
 15114.8     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510722.96     .1511184.44     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10722.9611184.44               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1314473.00   81814.09   520320.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1314473.00   81814.09   520320.80
  Q Total (cfs)           206224.30    Flow (cfs)              138183.40   10959.55   57081.31
  Top Width (ft)          15114.80    Top Width (ft)          10722.96     461.48    3930.36
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.49    Hydr. Depth (ft)          122.58     177.29     132.39
  Conv. Total (cfs)       478139500.0    Conv. (cfs)             320384000.0   25410160.0   132345400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10770.33     466.03    3999.18
  Min Ch El (ft)            571.39    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5591.54     367.93    2260.44
  C & E Loss (ft)             0.00    Cum SA (acres)             43.89       1.98      16.72


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1341.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.74  680.28  606.98  679.93  992.89  676.07 1011.63  676.08
 1290.76  677.94 1315.12  677.76 1985.79  667.22 2023.26  667.35 2184.37  669.77
 2225.58     670 2780.11     670 2832.56  669.35    3773  650.54 3844.19     650
 4468.03     650 4552.33  644.77 4567.32  643.27 4653.49     640 4765.89     640
 4855.82  637.21 5163.05  621.85 5260.47  619.48 5858.08  614.36 5968.61     614
 7744.58     614 7843.87  614.62  7890.7  614.62 7991.87     615 8340.32     615
 8340.32  611.92 8497.68  611.92 8497.68     610 9134.63     610 9306.98  608.75
 9730.37  603.81 9913.96  601.29 9928.95  601.0710116.29     60010723.26     600
10884.89  571.3810984.89  571.3811184.89     60011652.92  603.8113244.21  609.36
13431.42  609.6513656.07  629.7213712.24  638.4913880.72  653.3314180.26  663.08
14330.03  662.5314367.47  661.7114648.29  660.1114667.01  660.8614891.66  671.22
15116.31     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510723.26     .1511184.89     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10723.2611184.89               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1314518.00   81842.93   520427.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1314518.00   81842.93   520427.90
  Q Total (cfs)           206224.30    Flow (cfs)              138176.10   10962.63   57085.61
  Top Width (ft)          15116.31    Top Width (ft)          10723.26     461.63    3931.42
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.50    Hydr. Depth (ft)          122.59     177.29     132.38
  Conv. Total (cfs)       478183100.0    Conv. (cfs)             320396100.0   25419620.0   132367400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10770.63     466.18    4000.24
  Min Ch El (ft)            571.38    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5576.46     366.99    2254.47
  C & E Loss (ft)             0.00    Cum SA (acres)             43.77       1.98      16.67


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1340.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.75  680.28  606.99  679.93  992.92  676.07 1011.66  676.08
  1290.8  677.94 1315.15  677.76 1985.85  667.22 2023.31  667.35 2184.43  669.77
 2225.65     670 2780.18     670 2832.64  669.35 3773.11  650.54  3844.3     650
 4468.15     650 4552.46  644.75 4567.44  643.26 4653.62     640 4766.03     640
 4855.95   637.2  5163.2  621.84 5260.62  619.48 5858.24  614.36 5968.78     614
  7744.8     614 7844.09  614.62 7890.93  614.62 7992.09     615 8340.55     615
 8340.55  611.91 8497.92  611.91 8497.92     610 9134.89     610 9307.25  608.75
 9730.64  603.81 9914.24  601.29 9929.23  601.0610116.57     60010723.57     600
10885.35  571.3810985.35  571.3811185.35     600 11653.5  603.8113245.22  609.36
13432.48  609.6513657.19  629.7713713.37  638.53 13881.9  653.3414181.52  663.09
14331.33  662.5314368.78   661.714649.67  660.11 14668.4  660.8614893.11  671.24
15117.83     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510723.57     .1511185.35     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10723.5711185.35               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1314564.00   81868.95   520548.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1314564.00   81868.95   520548.70
  Q Total (cfs)           206224.30    Flow (cfs)              138167.50   10965.01   57091.79
  Top Width (ft)          15117.83    Top Width (ft)          10723.57     461.78    3932.48
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.50    Hydr. Depth (ft)          122.59     177.29     132.37
  Conv. Total (cfs)       478231900.0    Conv. (cfs)            320408900.0   25427750.0   132395200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10770.94     466.33    4001.30
  Min Ch El (ft)            571.38    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5561.37     366.05    2248.50
  C & E Loss (ft)             0.00    Cum SA (acres)             43.64       1.97      16.63


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1340.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.77  680.28  607.01  679.93  992.95  676.07 1011.69  676.08
 1290.84  677.94 1315.19  677.76  1985.9  667.22 2023.37  667.35 2184.49  669.77
 2225.71     670 2780.26     670 2832.72  669.35 3773.21  650.54 3844.41     650
 4468.28     650 4552.58  644.74 4567.57  643.24 4653.75     640 4766.16     640
 4856.09   637.2 5163.34  621.83 5260.77  619.48 5858.41  614.36 5968.94     614
 7745.02     614 7844.31  614.62 7891.15  614.62 7992.32     615 8340.79     615
 8340.79   611.9 8498.16   611.9 8498.16     610 9135.15     610 9307.51  608.75
 9730.92  603.81 9914.52  601.28 9929.51  601.0610116.86     60010723.87     600
 10885.8  571.38 10985.8  571.38 11185.8     60011654.08  603.8213246.22  609.37
13433.54  609.6513658.31  629.82 13714.5  638.5813883.08  653.3414182.78   663.1
14332.63  662.5214370.09  661.6914651.06  660.1114669.79  660.8714894.56  671.27
15119.33     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510723.87     .15 11185.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10723.87 11185.8               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1314607.00   81895.15   520648.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1314607.00   81895.15   520648.70
  Q Total (cfs)           206224.30    Flow (cfs)              138161.20   10967.65   57095.48
  Top Width (ft)          15119.33    Top Width (ft)          10723.87     461.93    3933.53
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.50    Hydr. Depth (ft)          122.59     177.29     132.36
  Conv. Total (cfs)       478270700.0    Conv. (cfs)            320420200.0   25435920.0   132414500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10771.24     466.48    4002.34
  Min Ch El (ft)            571.38    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5546.28     365.11    2242.52
  C & E Loss (ft)             0.00    Cum SA (acres)             43.52       1.96      16.58


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1339.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.79  680.28  607.03  679.93  992.98  676.07 1011.71  676.08
 1290.87  677.94 1315.23  677.76 1985.96  667.22 2023.43  667.35 2184.55  669.77
 2225.77     670 2780.34     670  2832.8  669.34 3773.32  650.53 3844.51     650
  4468.4     650 4552.71  644.73  4567.7  643.23 4653.88     640  4766.3     640
 4856.23  637.19 5163.49  621.83 5260.91  619.48 5858.57  614.36 5969.11     614
 7745.23     614 7844.53  614.62 7891.37  614.62 7992.54     615 8341.02     615
 8341.02   611.9  8498.4   611.9  8498.4     610  9135.4     610 9307.77  608.74
 9731.19   603.8  9914.8  601.28 9929.79  601.0510117.14     60010724.17     600
10886.25  571.3810986.25  571.3811186.25     60011654.66  603.8213247.23  609.37
13434.59  609.6613659.43  629.8713715.63  638.6313884.26  653.3514184.04   663.1
14333.93  662.52 14371.4  661.6914652.44  660.1114671.18  660.8714896.01   671.3
15120.85     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510724.17     .1511186.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10724.1711186.25               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1314664.00   81921.35   520766.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1314664.00   81921.35   520766.00
  Q Total (cfs)           206224.30    Flow (cfs)              138153.70   10970.00   57100.64
  Top Width (ft)          15120.85    Top Width (ft)          10724.17     462.08    3934.60
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  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.50    Hydr. Depth (ft)          122.59     177.29     132.36
  Conv. Total (cfs)       478322200.0    Conv. (cfs)            320437300.0   25444100.0   132440800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10771.54     466.62    4003.41
  Min Ch El (ft)            571.38    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5531.19     364.17    2236.54
  C & E Loss (ft)             0.00    Cum SA (acres)             43.40       1.96      16.54


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1339.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   595.8  680.28  607.05  679.93  993.01  676.07 1011.74  676.08
 1290.91  677.94 1315.27  677.76 1986.01  667.22 2023.49  667.35 2184.61  669.77
 2225.83     670 2780.42     670 2832.88  669.34 3773.43  650.53 3844.62     650
 4468.53     650 4552.84  644.72 4567.83  643.22 4654.02     640 4766.43     640
 4856.36  637.18 5163.63  621.82 5261.06  619.48 5858.74  614.35 5969.28     614
 7745.45     614 7844.75  614.62 7891.59  614.62 7992.77     615 8341.26     615
 8341.26  611.89 8498.64  611.89 8498.64     610 9135.66     610 9308.03  608.74
 9731.46   603.8 9915.08  601.27 9930.07  601.0510117.43     60010724.47     600
10886.71  571.3810986.71  571.3811186.71     60011655.24  603.8313248.24  609.37
13435.65  609.6613660.54  629.9213716.77  638.6713885.44  653.36 14185.3  663.11
14335.23  662.5114372.71  661.6814653.83   660.114672.57  660.8714897.46  671.33
15122.36     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510724.47     .1511186.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10724.4711186.71               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1314711.00   81949.24   520875.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1314711.00   81949.24   520875.80
  Q Total (cfs)           206224.30    Flow (cfs)              138146.30   10972.70   57105.29
  Top Width (ft)          15122.36    Top Width (ft)          10724.47     462.24    3935.65
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.50    Hydr. Depth (ft)          122.59     177.29     132.35
  Conv. Total (cfs)       478367700.0    Conv. (cfs)            320450800.0   25452810.0   132464200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10771.84     466.78    4004.46
  Min Ch El (ft)            571.38    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5516.10     363.23    2230.57
  C & E Loss (ft)             0.00    Cum SA (acres)             43.28       1.95      16.49


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1338.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.82  680.28  607.06  679.93  993.03  676.07 1011.77  676.08
 1290.94  677.94  1315.3  677.76 1986.07  667.22 2023.54  667.35 2184.68  669.77
  2225.9     670  2780.5     670 2832.96  669.34 3773.53  650.53 3844.73     650
 4468.66     650 4552.97   644.7 4567.96   643.2 4654.15     640 4766.57     640
  4856.5  637.17 5163.78  621.81 5261.21  619.48  5858.9  614.35 5969.45     614
 7745.67     614 7844.97  614.62 7891.81  614.62 7992.99     615 8341.49     615
 8341.49  611.88 8498.88  611.88 8498.88     610 9135.92     610 9308.29  608.74
 9731.74   603.8 9915.36  601.27 9930.35  601.0410117.71     60010724.77     600
10887.16  571.3810987.16  571.3811187.16     60011655.82  603.8313249.24  609.37
13436.71  609.6613661.66  629.96 13717.9  638.7213886.62  653.3714186.56  663.12
14336.53   662.514374.02  661.6714655.21   660.114673.96  660.8714898.91  671.35
15123.87     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510724.77     .1511187.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10724.7711187.16               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1314757.00   81975.45   520998.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1314757.00   81975.45   520998.40
  Q Total (cfs)           206224.30    Flow (cfs)              138137.50   10975.10   57111.74
  Top Width (ft)          15123.87    Top Width (ft)          10724.77     462.39    3936.71
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.50    Hydr. Depth (ft)          122.59     177.29     132.34
  Conv. Total (cfs)       478417000.0    Conv. (cfs)            320463200.0   25460990.0   132492800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10772.14     466.93    4005.52
  Min Ch El (ft)            571.38    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5501.01     362.29    2224.59
  C & E Loss (ft)             0.00    Cum SA (acres)             43.15       1.95      16.45


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1338.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.84  680.28  607.08  679.93  993.06  676.07  1011.8  676.08
 1290.98  677.94 1315.34  677.76 1986.13  667.22  2023.6  667.35 2184.74  669.77
 2225.96     670 2780.58     670 2833.04  669.34 3773.64  650.53 3844.84     650
 4468.78     650  4553.1  644.69 4568.09  643.19 4654.28     640  4766.7     640
 4856.64  637.17 5163.93   621.8 5261.36  619.47 5859.07  614.35 5969.62     614
 7745.89     614 7845.19  614.63 7892.04  614.63 7993.22     615 8341.73     615
 8341.73  611.87 8499.12  611.87 8499.12     610 9136.18     610 9308.56  608.73
 9732.01  603.79 9915.64  601.27 9930.62  601.04   10118     60010725.08     600
10887.61  571.3710987.61  571.3711187.61     60011656.39  603.8413250.25  609.38
13437.76  609.6613662.78  630.0113719.03  638.7613887.79  653.3814187.81  663.13
14337.83   662.514375.33  661.66 14656.6   660.114675.35  660.8814900.36  671.38
15125.38     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510725.08     .1511187.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10725.0811187.61               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1314807.00   82002.59   521096.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1314807.00   82002.59   521096.70
  Q Total (cfs)           206224.30    Flow (cfs)              138131.60   10977.99   57114.68
  Top Width (ft)          15125.38    Top Width (ft)          10725.08     462.53    3937.77
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.51    Hydr. Depth (ft)          122.59     177.29     132.33
  Conv. Total (cfs)       478458700.0    Conv. (cfs)            320477600.0   25469920.0   132511100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10772.45     467.07    4006.57
  Min Ch El (ft)            571.37    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5485.91     361.35    2218.61
  C & E Loss (ft)             0.00    Cum SA (acres)             43.03       1.94      16.40


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1337.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.85  680.28   607.1  679.93  993.09  676.07 1011.83  676.08
 1291.02  677.94 1315.38  677.76 1986.18  667.22 2023.66  667.35  2184.8  669.77
 2226.02     670 2780.65     670 2833.12  669.34 3773.74  650.53 3844.95     650
 4468.91     650 4553.23  644.68 4568.22  643.18 4654.41     640 4766.83     640
 4856.77  637.16 5164.07   621.8 5261.51  619.47 5859.23  614.35 5969.79     614
 7746.11     614 7845.42  614.63 7892.26  614.63 7993.44     615 8341.96     615
 8341.96  611.87 8499.36  611.87 8499.36     610 9136.43     610 9308.82  608.73
 9732.29  603.79 9915.92  601.26 9930.91  601.0410118.28     60010725.38     600
10888.07  571.3710988.07  571.3711188.07     60011656.97  603.8413251.26  609.38
13438.82  609.66 13663.9  630.0613720.17  638.8113888.97  653.3914189.07  663.13
14339.12  662.4914376.64  661.6614657.98   660.114676.74  660.8814901.81  671.41
15126.89     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510725.38     .1511188.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10725.3811188.07               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1314848.00   82030.48   521214.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1314848.00   82030.48   521214.90
  Q Total (cfs)           206224.30    Flow (cfs)              138122.80   10980.68   57120.77
  Top Width (ft)          15126.89    Top Width (ft)          10725.38     462.69    3938.82
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.51    Hydr. Depth (ft)          122.59     177.29     132.33
  Conv. Total (cfs)       478505100.0    Conv. (cfs)            320488400.0   25478630.0   132538100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10772.75     467.23    4007.62
  Min Ch El (ft)            571.37    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5470.82     360.41    2212.62
  C & E Loss (ft)             0.00    Cum SA (acres)             42.91       1.94      16.36


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1337.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.87  680.28  607.11  679.93  993.12  676.07 1011.86  676.08
 1291.05  677.94 1315.41  677.76 1986.24  667.22 2023.71  667.36 2184.86  669.77
```

```
 2226.08     670 2780.73     670  2833.2  669.34 3773.85  650.52 3845.05     650
 4469.03     650 4553.35  644.66 4568.35  643.17 4654.54     640 4766.97     640
 4856.91  637.15 5164.22  621.79 5261.65  619.47  5859.4  614.35 5969.95     614
 7746.32     614 7845.64  614.63 7892.48  614.63 7993.67     615  8342.2     615
  8342.2  611.86 8499.59  611.86 8499.59     610 9136.69     610 9309.08  608.73
 9732.56  603.79 9916.19  601.26 9931.18  601.0310118.57     60010725.68     600
10888.52  571.3710988.52  571.3711188.52     60011657.55  603.8513252.27  609.38
13439.88  609.6613665.01  630.11 13721.3  638.8513890.15  653.3914190.33  663.14
14340.42  662.4914377.95  661.6514659.37   660.114678.13  660.8814903.26  671.44
 15128.4     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510725.68     .1511188.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10725.6811188.52               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1314897.00   82056.52   521326.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1314897.00   82056.52   521326.10
  Q Total (cfs)           206224.30    Flow (cfs)              138115.60   10983.13   57125.55
  Top Width (ft)          15128.40    Top Width (ft)          10725.68     462.84    3939.88
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.51    Hydr. Depth (ft)          122.59     177.29     132.32
  Conv. Total (cfs)       478550900.0    Conv. (cfs)            320502200.0   25486760.0   132561900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10773.05     467.38    4008.68
  Min Ch El (ft)            571.37    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5455.73     359.47    2206.64
  C & E Loss (ft)             0.00    Cum SA (acres)             42.78       1.93      16.31


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1336.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.89  680.27  607.13  679.93  993.15  676.07 1011.89  676.08
 1291.09  677.94 1315.45  677.76 1986.29  667.22 2023.77  667.36 2184.92  669.77
 2226.15     670 2780.81     670 2833.28  669.33 3773.96  650.52 3845.16     650
 4469.16     650 4553.48  644.65 4568.47  643.15 4654.67     640  4767.1     640
 4857.05  637.15 5164.36  621.78  5261.8  619.47 5859.56  614.35 5970.12     614
 7746.54     614 7845.86  614.63  7892.7  614.63 7993.89     615 8342.43     615
 8342.43  611.85 8499.83  611.85 8499.83     610 9136.95     610 9309.34  608.72
 9732.83  603.78 9916.47  601.25 9931.46  601.0310118.85     60010725.98     600
10888.97  571.3710988.97  571.3711188.97     60011658.13  603.8513253.27  609.38
13440.94  609.6613666.13  630.1613722.43   638.913891.33   653.414191.59  663.15
14341.72  662.4814379.25  661.6414660.75   660.114679.52  660.8814904.71  671.46
15129.91     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510725.98     .1511188.97     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10725.9811188.97               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1314954.00   82082.54   521447.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1314954.00   82082.54   521447.20
  Q Total (cfs)           206224.30    Flow (cfs)              138107.60   10985.41   57131.25
  Top Width (ft)          15129.91    Top Width (ft)          10725.98     462.99    3940.94
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.51    Hydr. Depth (ft)          122.60     177.29     132.32
  Conv. Total (cfs)       478604200.0    Conv. (cfs)            320519400.0   25494880.0   132589900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10773.35     467.52    4009.74
  Min Ch El (ft)            571.37    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5440.64     358.52    2200.66
  C & E Loss (ft)             0.00    Cum SA (acres)             42.66       1.93      16.27


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1336.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   595.9  680.27  607.15  679.93  993.17  676.07 1011.91  676.08
 1291.13  677.94 1315.49  677.76 1986.35  667.21 2023.83  667.36 2184.98  669.77
 2226.21     670 2780.89     670 2833.36  669.33 3774.06  650.52 3845.27     650
 4469.29     650 4553.61  644.64  4568.6  643.14  4654.8     640 4767.24     640
 4857.19  637.14 5164.51  621.77 5261.95  619.47 5859.73  614.35 5970.29     614
 7746.76     614 7846.08  614.63 7892.93  614.63 7994.12     615 8342.67     615
 8342.67  611.84 8500.07  611.84 8500.07     610 9137.21     610 9309.61  608.72
 9733.11  603.78 9916.75  601.25 9931.74  601.0210119.14     60010726.28     600
10889.43  571.3710989.43  571.3711189.43     60011658.71  603.8613254.28  609.39
13441.99  609.6613667.25  630.2113723.57  638.9413892.51  653.4114192.85  663.16
14343.02  662.4714380.56  661.6414662.13   660.114680.91  660.8814906.16  671.49
15131.42     695

Manning's n Values        num=       3
```

```
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510726.28     .1511189.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10726.2811189.43               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1315002.00   82110.44   521544.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1315002.00   82110.44   521544.90
  Q Total (cfs)           206224.30    Flow (cfs)              138101.80   10988.23   57134.31
  Top Width (ft)          15131.42    Top Width (ft)          10726.28     463.15    3941.99
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.51    Hydr. Depth (ft)          122.60     177.29     132.31
  Conv. Total (cfs)       478644600.0    Conv. (cfs)            320532800.0   25503590.0   132608200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10773.65     467.68    4010.79
  Min Ch El (ft)            571.37    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5425.54     357.58    2194.67
  C & E Loss (ft)             0.00    Cum SA (acres)             42.54       1.92      16.22


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1335.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.92  680.27  607.17  679.93   993.2  676.07 1011.94  676.08
 1291.16  677.94 1315.52  677.76  1986.4  667.21 2023.88  667.36 2185.05  669.78
 2226.27     670 2780.97     670 2833.44  669.33 3774.17  650.52 3845.38     650
 4469.41     650 4553.74  644.63 4568.73  643.13 4654.93     640 4767.37     640
 4857.32  637.13 5164.65  621.77  5262.1  619.47 5859.89  614.34 5970.46     614
 7746.98     614  7846.3  614.63 7893.15  614.63 7994.34     615  8342.9     615
  8342.9  611.84 8500.31  611.84 8500.31     610 9137.46     610 9309.87  608.72
 9733.38  603.78 9917.03  601.24 9932.02  601.0210119.42     60010726.59     600
10889.88  571.3710989.88  571.3711189.88     60011659.29  603.8613255.29  609.39
13443.05  609.6713668.37  630.25 13724.7  638.9913893.69  653.4214194.11  663.16
14344.32  662.4714381.87  661.6314663.52   660.1 14682.3  660.8914907.61  671.52
15132.93     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510726.59     .1511189.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10726.5911189.88               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1315047.00   82134.94   521663.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1315047.00   82134.94   521663.20
  Q Total (cfs)           206224.30    Flow (cfs)              138093.50   10990.46   57140.33
  Top Width (ft)          15132.93    Top Width (ft)          10726.59     463.29    3943.05
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.51    Hydr. Depth (ft)          122.60     177.29     132.30
  Conv. Total (cfs)       478691100.0    Conv. (cfs)            320544800.0   25511230.0   132635000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10773.96     467.82    4011.84
  Min Ch El (ft)            571.37    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5410.45     356.64    2188.68
  C & E Loss (ft)             0.00    Cum SA (acres)             42.41       1.92      16.18


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1335.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.94  680.27  607.18  679.93  993.23  676.07 1011.97  676.08
  1291.2  677.94 1315.56  677.76 1986.46  667.21 2023.94  667.36 2185.11  669.78
 2226.34     670 2781.05     670 2833.52  669.33 3774.28  650.51 3845.49     650
 4469.54     650 4553.87  644.61 4568.86  643.11 4655.06     640 4767.51     640
 4857.46  637.13  5164.8  621.76 5262.25  619.47 5860.06  614.34 5970.63     614
  7747.2     614 7846.52  614.63 7893.37  614.63 7994.57     615 8343.13     615
 8343.13  611.83 8500.55  611.83 8500.55     610 9137.72     610 9310.13  608.72
 9733.66  603.77 9917.31  601.24  9932.3  601.0210119.71     60010726.89     600
10890.33  571.3710990.33  571.3711190.33     60011659.87  603.8613256.29  609.39
13444.11  609.6713669.49   630.313725.83  639.0313894.86  653.4314195.37  663.17
14345.62  662.4614383.18  661.62 14664.9   660.114683.69  660.8914909.06  671.55
15134.44     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510726.89     .1511190.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10726.8911190.33               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1315097.00   82161.13   521783.10
```

```
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1315097.00   82161.13   521783.10
  Q Total (cfs)           206224.30    Flow (cfs)              138085.30   10992.83   57146.17
  Top Width (ft)          15134.44    Top Width (ft)          10726.89     463.44    3944.11
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         188.51    Hydr. Depth (ft)          122.60     177.29     132.29
  Conv. Total (cfs)       478741300.0    Conv. (cfs)             320559400.0   25519410.0   132662500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10774.26     467.97    4012.90
  Min Ch El (ft)            571.37    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5395.35     355.70    2182.69
  C & E Loss (ft)             0.00    Cum SA (acres)             42.29       1.91      16.13


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1334.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.96  680.27   607.2  679.93  993.26  676.07    1012  676.08
 1291.24  677.94  1315.6  677.75 1986.52  667.21    2024  667.36 2185.17  669.78
  2226.4     670 2781.12     670  2833.6  669.33 3774.38  650.51  3845.6     650
 4469.66     650    4554  644.6 4568.99   643.1  4655.2     640 4767.64     640
  4857.6  637.12 5164.94  621.75  5262.4  619.47 5860.22  614.34 5970.79     614
 7747.42     614 7846.74  614.64 7893.59  614.64 7994.79     615 8343.37     615
 8343.37  611.82 8500.79  611.82 8500.79     610 9137.98     610 9310.39  608.71
 9733.93  603.77 9917.59  601.24 9932.58  601.0110119.99     60010727.19     600
10890.79  571.3610990.79  571.3611190.79     60011660.45  603.87 13257.3  609.39
13445.17  609.67 13670.6  630.3513726.96  639.0813896.04  653.4314196.63  663.18
14346.92  662.4614384.49  661.6214666.29   660.114685.08  660.8914910.51  671.57
15135.95     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510727.19     .1511190.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10727.1911190.79               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1315146.00   82191.68   521891.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1315146.00   82191.68   521891.90
  Q Total (cfs)           206224.30    Flow (cfs)              138077.80   10996.06   57150.47
  Top Width (ft)          15135.95    Top Width (ft)          10727.19     463.60    3945.16
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.52    Hydr. Depth (ft)          122.60     177.29     132.29
  Conv. Total (cfs)       478788300.0    Conv. (cfs)             320573400.0   25529410.0   132685500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10774.56     468.13    4013.95
  Min Ch El (ft)            571.36    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5380.26     354.75    2176.70
  C & E Loss (ft)             0.00    Cum SA (acres)             42.17       1.91      16.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1334.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.97  680.27  607.22  679.93  993.29  676.07 1012.03  676.08
 1291.27  677.94 1315.64  677.75 1986.57  667.21 2024.06  667.36 2185.23  669.78
 2226.46     670  2781.2     670 2833.68  669.33 3774.49  650.51  3845.7     650
 4469.79     650 4554.12  644.59 4569.12  643.09 4655.33     640 4767.77     640
 4857.73  637.11 5165.09  621.75 5262.54  619.46 5860.39  614.34 5970.96     614
 7747.63     614 7846.96  614.64 7893.82  614.64 7995.02     615 8343.61     615
 8343.61  611.81 8501.03  611.81 8501.03     610 9138.23     610 9310.65  608.71
 9734.21  603.77 9917.87  601.23 9932.86  601.0110120.28     60010727.49     600
10891.24  571.3610991.24  571.3611191.24     60011661.03  603.8713258.31   609.4
13446.22  609.6713671.72   630.4 13728.1  639.1213897.22  653.4414197.89  663.19
14348.22  662.45 14385.8  661.6114667.67   660.114686.46  660.8914911.96   671.6
15137.46     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510727.49     .1511191.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10727.4911191.24               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1315192.00   82217.88   522002.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1315192.00   82217.88   522002.90
  Q Total (cfs)           206224.30    Flow (cfs)              138070.40   10998.56   57155.38
  Top Width (ft)          15137.46    Top Width (ft)          10727.49     463.75    3946.22
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.52    Hydr. Depth (ft)          122.60     177.29     132.28
  Conv. Total (cfs)       478832800.0    Conv. (cfs)             320586000.0   25537580.0   132709200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10774.86     468.28    4015.01
  Min Ch El (ft)            571.36    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5365.16     353.81    2170.71
  C & E Loss (ft)             0.00    Cum SA (acres)             42.04       1.90      16.04
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1333.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.99  680.27  607.23  679.93  993.31  676.07 1012.06  676.08
 1291.31  677.94 1315.67  677.75 1986.63  667.21 2024.11  667.36 2185.29  669.78
 2226.52     670 2781.28     670 2833.76  669.32 3774.59  650.51 3845.81     650
 4469.91     650 4554.25  644.57 4569.25  643.08 4655.46     640 4767.91     640
 4857.87  637.11 5165.23  621.74 5262.69  619.46 5860.55  614.34 5971.13     614
 7747.85     614 7847.18  614.64 7894.04  614.64 7995.24     615 8343.84     615
 8343.84  611.81 8501.27  611.81 8501.27     610 9138.49     610 9310.92  608.71
 9734.48  603.76 9918.15  601.23 9933.14     60110120.56     60010727.79     600
10891.69  571.3610991.69  571.3611191.69     60011661.61  603.8813259.32   609.4
13447.28  609.6713672.84  630.4513729.23  639.17 13898.4  653.4514199.14  663.19
14349.52  662.4414387.11   661.614669.06   660.114687.86  660.8914913.41  671.63
15138.97     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510727.79     .1511191.69     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10727.7911191.69               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1315241.00   82244.08   522113.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1315241.00   82244.08   522113.70
  Q Total (cfs)           206224.30    Flow (cfs)              138063.20   11001.03   57160.07
  Top Width (ft)          15138.97    Top Width (ft)          10727.79     463.90    3947.28
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.52    Hydr. Depth (ft)          122.60     177.29     132.27
  Conv. Total (cfs)       478878700.0    Conv. (cfs)            320600100.0   25545760.0   132732900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10775.16     468.42    4016.07
  Min Ch El (ft)            571.36    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5350.06     352.87    2164.72
  C & E Loss (ft)             0.00    Cum SA (acres)             41.92       1.90      15.99


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1333.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.01  680.27  607.25  679.93  993.34  676.07 1012.08  676.08
 1291.34  677.94 1315.71  677.75 1986.68  667.21 2024.17  667.36 2185.35  669.78
 2226.59     670 2781.36     670 2833.84  669.32  3774.7  650.51 3845.92     650
 4470.04     650 4554.38  644.56 4569.37  643.06 4655.59     640 4768.04     640
 4858.01   637.1 5165.38  621.73 5262.84  619.46 5860.72  614.34  5971.3     614
 7748.07     614  7847.4  614.64 7894.26  614.64 7995.47     615 8344.08     615
 8344.08   611.8 8501.51   611.8 8501.51     610 9138.75     610 9311.18   608.7
 9734.75  603.76 9918.43  601.22 9933.42     60110120.85     600 10728.1     600
10892.14  571.3610992.14  571.3611192.14     60011662.19  603.8813260.32   609.4
13448.34  609.6713673.96   630.513730.36  639.2113899.58  653.46 14200.4   663.2
14350.82  662.4414388.42   661.614670.44   660.114689.25   660.914914.86  671.66
15140.48     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10728.1     .1511192.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10728.111192.14               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1315290.00   82268.41   522230.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1315290.00   82268.41   522230.10
  Q Total (cfs)           206224.30    Flow (cfs)              138055.50   11003.20   57165.60
  Top Width (ft)          15140.48    Top Width (ft)          10728.10     464.04    3948.34
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.52    Hydr. Depth (ft)          122.60     177.29     132.27
  Conv. Total (cfs)       478926100.0    Conv. (cfs)            320613900.0   25553350.0   132758900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10775.47     468.56    4017.13
  Min Ch El (ft)            571.36    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5334.97     351.92    2158.73
  C & E Loss (ft)             0.00    Cum SA (acres)             41.80       1.89      15.95


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1332.5*

INPUT
Description:
Station Elevation Data    num=      56
```

```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.02  680.27  607.27  679.93  993.37  676.07 1012.11  676.08
 1291.38  677.94 1315.75  677.75 1986.74  667.21 2024.23  667.36 2185.41  669.78
 2226.65     670 2781.44     670 2833.92  669.32 3774.81   650.5 3846.03     650
 4470.17     650 4554.51  644.55  4569.5  643.05 4655.72     640 4768.18     640
 4858.14  637.09 5165.53  621.72 5262.99  619.46 5860.88  614.34 5971.47     614
 7748.29     614 7847.62  614.64 7894.48  614.64 7995.69     615 8344.31     615
 8344.31  611.79 8501.75  611.79 8501.75     610 9139.01     610 9311.44   608.7
 9735.03  603.76 9918.71  601.22  9933.7  600.9910121.13     600 10728.4     600
 10892.6  571.36 10992.6  571.36 11192.6     60011662.76  603.8913261.33   609.4
 13449.4  609.6713675.08  630.54 13731.5  639.2613900.75  653.4714201.66  663.21
14352.12  662.4314389.73  661.5914671.83   660.114690.63   660.914916.31  671.68
15141.99     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10728.4     .15 11192.6     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10728.4 11192.6               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1315340.00   82296.13   522340.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1315340.00   82296.13   522340.50
  Q Total (cfs)           206224.30    Flow (cfs)              138048.20   11005.86   57170.23
  Top Width (ft)          15141.99    Top Width (ft)          10728.40     464.20    3949.39
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.52    Hydr. Depth (ft)          122.60     177.29     132.26
  Conv. Total (cfs)       478972700.0    Conv. (cfs)             320628200.0   25562010.0   132782500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10775.77     468.72    4018.18
  Min Ch El (ft)            571.36    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5319.87     350.98    2152.73
  C & E Loss (ft)             0.00    Cum SA (acres)             41.67       1.89      15.90


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1332.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.04  680.26  607.28  679.93   993.4  676.07 1012.14  676.08
 1291.42  677.94 1315.78  677.75  1986.8  667.21 2024.28  667.36 2185.48  669.78
 2226.71     670 2781.52     670    2834  669.32 3774.91   650.5 3846.14     650
 4470.29     650 4554.64  644.54 4569.63  643.04 4655.85     640 4768.31     640
 4858.28  637.09 5165.67  621.72 5263.14  619.46 5861.05  614.33 5971.64     614
 7748.51     614 7847.85  614.64  7894.7  614.64 7995.92     615 8344.54     615
 8344.54  611.78 8501.99  611.78 8501.99     610 9139.26     610  9311.7   608.7
  9735.3  603.75 9918.99  601.22 9933.98  600.9910121.42     600 10728.7     600
10893.05  571.3610993.05  571.3611193.05     60011663.34  603.8913262.34  609.41
13450.45  609.6813676.19  630.5913732.63  639.3113901.93  653.4714202.92  663.22
14353.41  662.4314391.04  661.5814673.21   660.114692.02   660.914917.76  671.71
 15143.5     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10728.7     .1511193.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10728.711193.05               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1315389.00   82322.33   522449.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1315389.00   82322.33   522449.50
  Q Total (cfs)           206224.30    Flow (cfs)              138041.20   11008.35   57174.73
  Top Width (ft)          15143.50    Top Width (ft)          10728.70     464.35    3950.45
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.52    Hydr. Depth (ft)          122.60     177.29     132.25
  Conv. Total (cfs)       479017600.0    Conv. (cfs)             320642000.0   25570180.0   132805400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10776.08     468.87    4019.23
  Min Ch El (ft)            571.36    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5304.77     350.03    2146.73
  C & E Loss (ft)             0.00    Cum SA (acres)             41.55       1.88      15.86


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1331.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.06  680.26   607.3  679.93  993.43  676.07 1012.17  676.08
 1291.45  677.94 1315.82  677.75 1986.85  667.21 2024.34  667.37 2185.54  669.78
 2226.77     670 2781.59     670 2834.08  669.32 3775.02   650.5 3846.25     650
 4470.42     650 4554.77  644.52 4569.76  643.02 4655.98     640 4768.45     640
 4858.42  637.08 5165.82  621.71 5263.28  619.46 5861.21  614.33  5971.8     614
 7748.72     614 7848.07  614.65 7894.93  614.65 7996.14     615 8344.78     615
 8344.78  611.77 8502.23  611.77 8502.23     610 9139.52     610 9311.96  608.69
 9735.58  603.75 9919.27  601.21 9934.26  600.99 10121.7     600   10729     600
 10893.5  571.35 10993.5  571.35 11193.5     60011663.92  603.913263.34  609.41
13451.51  609.6813677.31  630.6413733.76  639.3513903.11  653.4814204.18  663.23
14354.71  662.4214392.35  661.58 14674.6   660.114693.41   660.914919.21  671.74
```

```
15145.01     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10729     .15 11193.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10729 11193.5               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1315434.00   82351.35   522557.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1315434.00   82351.35   522557.40
  Q Total (cfs)           206224.30    Flow (cfs)              138033.80   11011.43   57179.07
  Top Width (ft)          15145.01    Top Width (ft)          10729.00     464.50    3951.51
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.53    Hydr. Depth (ft)          122.61     177.29     132.24
  Conv. Total (cfs)       479062000.0    Conv. (cfs)            320654500.0   25579700.0   132827800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10776.37     469.02    4020.29
  Min Ch El (ft)            571.35    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5289.67     349.09    2140.74
  C & E Loss (ft)             0.00    Cum SA (acres)             41.43       1.87      15.81


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1331.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.07  680.26  607.32  679.93  993.45  676.07  1012.2  676.08
 1291.49  677.94 1315.86  677.75 1986.91  667.21  2024.4  667.37  2185.6  669.78
 2226.84     670 2781.67     670 2834.16  669.32 3775.13   650.5 3846.35     650
 4470.54     650 4554.89  644.51 4569.89  643.01 4656.11     640 4768.58     640
 4858.55  637.07 5165.96   621.7 5263.43  619.46 5861.38  614.33 5971.97     614
 7748.94     614 7848.29  614.65 7895.15  614.65 7996.37     615 8345.01     615
 8345.01  611.77 8502.47  611.77 8502.47     610 9139.78     610 9312.23  608.69
 9735.85  603.75 9919.55  601.21 9934.54  600.9810121.99     600 10729.3     600
10893.96  571.3510993.96  571.3511193.96     600 11664.5  603.913264.35  609.41
13452.57  609.6813678.43  630.6913734.89   639.413904.29  653.4914205.44  663.23
14356.01  662.4114393.66  661.5714675.98   660.1 14694.8  660.9114920.67  671.77
15146.53     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10729.3     .1511193.96     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10729.311193.96               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1315477.00   82379.26   522676.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1315477.00   82379.26   522676.70
  Q Total (cfs)           206224.30    Flow (cfs)              138025.10   11014.09   57185.12
  Top Width (ft)          15146.53    Top Width (ft)          10729.30     464.66    3952.57
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.53    Hydr. Depth (ft)          122.61     177.29     132.24
  Conv. Total (cfs)       479109500.0    Conv. (cfs)            320666000.0   25588410.0   132855000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10776.68     469.18    4021.35
  Min Ch El (ft)            571.35    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5274.57     348.14    2134.74
  C & E Loss (ft)             0.00    Cum SA (acres)             41.31       1.87      15.77


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1330.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.09  680.26  607.34  679.93  993.48  676.07 1012.23  676.08
 1291.53  677.94  1315.9  677.75 1986.96   667.2 2024.45  667.37 2185.66  669.78
  2226.9     670 2781.75     670 2834.24  669.32 3775.23   650.5 3846.46     650
 4470.67     650 4555.02   644.5 4570.02     643 4656.24     640 4768.71     640
 4858.69  637.07 5166.11  621.69 5263.58  619.46 5861.54  614.33 5972.14     614
 7749.16     614 7848.51  614.65 7895.37  614.65 7996.59     615 8345.25     615
 8345.25  611.76 8502.71  611.76 8502.71     610 9140.04     610 9312.49  608.69
 9736.12  603.75 9919.83   601.2 9934.82  600.9810122.27    60010729.61     600
10894.41  571.3510994.41  571.3511194.41    60011665.08  603.9113265.36  609.41
13453.62  609.6813679.55  630.7413736.03  639.4413905.47   653.5 14206.7  663.24
14357.31  662.4114394.96  661.5614677.37   660.114696.19  660.9114922.12  671.79
15148.04     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510729.61     .1511194.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10729.6111194.41               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
```

```
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1315525.00   82403.59   522787.60
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1315525.00   82403.59   522787.60
  Q Total (cfs)          206224.30    Flow (cfs)              138017.90   11016.33   57190.02
  Top Width (ft)         15148.04    Top Width (ft)          10729.61     464.80    3953.63
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.53    Hydr. Depth (ft)          122.61     177.29     132.23
  Conv. Total (cfs)      479153900.0    Conv. (cfs)            320679100.0   25596010.0   132878700.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10776.99     469.31    4022.41
  Min Ch El (ft)           571.35    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     5259.47     347.20    2128.74
  C & E Loss (ft)            0.00    Cum SA (acres)             41.18       1.86      15.72


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                RS: 1330.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.11  680.26  607.35  679.93  993.51  676.06 1012.26  676.08
 1291.56  677.94 1315.93  677.75 1987.02   667.2 2024.51  667.37 2185.72  669.79
 2226.96     670 2781.83     670 2834.32  669.31 3775.34  650.49 3846.57     650
  4470.8     650 4555.15  644.48 4570.15  642.99 4656.38     640 4768.85     640
 4858.83  637.06 5166.25  621.69 5263.73  619.45 5861.71  614.33 5972.31     614
 7749.38     614 7848.73  614.65 7895.59  614.65 7996.82     615 8345.49     615
 8345.49  611.75 8502.95  611.75 8502.95     610 9140.29     610 9312.75  608.68
  9736.4  603.74  9920.1   601.2  9935.1  600.9710122.56     60010729.91     600
10894.86  571.3510994.86  571.3511194.86     60011665.66  603.9113266.36  609.42
13454.68  609.6813680.67  630.7913737.16  639.4913906.65  653.5114207.96  663.25
14358.61   662.414396.27  661.5614678.75   660.114697.58  660.9114923.57  671.82
15149.55     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510729.91     .1511194.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10729.9111194.86               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1315588.00   82429.78   522895.70
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1315588.00   82429.78   522895.70
  Q Total (cfs)          206224.30    Flow (cfs)              138011.90   11018.69   57193.69
  Top Width (ft)         15149.55    Top Width (ft)          10729.91     464.95    3954.69
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.53    Hydr. Depth (ft)          122.61     177.29     132.22
  Conv. Total (cfs)      479204200.0    Conv. (cfs)            320698800.0   25604180.0   132901200.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10777.29     469.46    4023.47
  Min Ch El (ft)           571.35    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     5244.37     346.25    2122.74
  C & E Loss (ft)            0.00    Cum SA (acres)             41.06       1.86      15.68


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                RS: 1329.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.12  680.26  607.37  679.93  993.54  676.06 1012.28  676.08
  1291.6  677.94 1315.97  677.75 1987.08   667.2 2024.57  667.37 2185.78  669.79
 2227.03     670 2781.91     670  2834.4  669.31 3775.44  650.49 3846.68     650
 4470.92     650 4555.28  644.47 4570.28  642.97 4656.51     640 4768.98     640
 4858.96  637.05  5166.4  621.68 5263.88  619.45 5861.88  614.33 5972.48     614
  7749.6     614 7848.95  614.65 7895.82  614.65 7997.04     615 8345.72     615
 8345.72  611.74 8503.19  611.74 8503.19     610 9140.55     610 9313.01  608.68
 9736.67  603.74 9920.38  601.19 9935.38  600.9710122.84     60010730.21     600
10895.32  571.3510995.32  571.3511195.32     60011666.24  603.9213267.37  609.42
13455.74  609.6813681.78  630.8313738.29  639.5313907.83  653.5214209.21  663.26
14359.91   662.414397.58  661.5514680.14   660.114698.97  660.9114925.01  671.85
15151.06     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510730.21     .1511195.32     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10730.2111195.32               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1315633.00   82457.68   523003.80
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1315633.00   82457.68   523003.80
  Q Total (cfs)          206224.30    Flow (cfs)              138004.60   11021.43   57198.23
  Top Width (ft)         15151.06    Top Width (ft)          10730.21     465.11    3955.74
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.53    Hydr. Depth (ft)          122.61     177.29     132.21
  Conv. Total (cfs)      479248000.0    Conv. (cfs)            320711200.0   25612890.0   132923900.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10777.59     469.62    4024.51
  Min Ch El (ft)           571.35    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
```

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  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     5229.27     345.30    2116.73
  C & E Loss (ft)            0.00    Cum SA (acres)             40.94       1.85      15.63


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1329.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.14  680.26  607.39  679.93  993.57  676.06 1012.31  676.08
 1291.64  677.94 1316.01  677.75 1987.13   667.2 2024.63  667.37 2185.85  669.79
 2227.09     670 2781.99     670 2834.48  669.31 3775.55  650.49 3846.79     650
 4471.05     650 4555.41  644.46  4570.4  642.96 4656.64     640 4769.12     640
  4859.1  637.04 5166.54  621.67 5264.03  619.45 5862.04  614.33 5972.64     614
 7749.82     614 7849.17  614.65 7896.04  614.65 7997.27     615 8345.96     615
 8345.96  611.74 8503.43  611.74 8503.43     610 9140.81     610 9313.28  608.68
 9736.95  603.74 9920.66  601.19 9935.66  600.9710123.13     60010730.51     600
10895.77  571.3510995.77  571.3511195.77     60011666.82  603.9213268.38  609.42
 13456.8  609.68 13682.9  630.8813739.43  639.58   13909  653.5214210.47  663.26
14361.21  662.3914398.89  661.5414681.52   660.114700.36  660.9114926.46  671.88
15152.57     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510730.51     .1511195.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10730.5111195.77               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1315675.00   82483.71   523127.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)           1315675.00   82483.71   523127.30
  Q Total (cfs)           206224.30    Flow (cfs)             137995.50   11023.82   57204.97
  Top Width (ft)          15152.57    Top Width (ft)         10730.51     465.26    3956.80
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.53    Hydr. Depth (ft)          122.61     177.29     132.21
  Conv. Total (cfs)       479296100.0    Conv. (cfs)            320722100.0   25621010.0   132952900.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10777.89     469.77    4025.57
  Min Ch El (ft)           571.35    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     5214.17     344.36    2110.73
  C & E Loss (ft)            0.00    Cum SA (acres)             40.81       1.85      15.59


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1328.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.16  680.26   607.4  679.93  993.59  676.06 1012.34  676.08
 1291.67  677.94 1316.04  677.75 1987.19   667.2 2024.68  667.37 2185.91  669.79
 2227.15     670 2782.06     670 2834.55  669.31 3775.66  650.49  3846.9     650
 4471.17     650 4555.54  644.45 4570.53  642.95 4656.77     640 4769.25     640
 4859.24  637.04 5166.69  621.67 5264.17  619.45 5862.21  614.32 5972.81     614
 7750.03     614 7849.39  614.65 7896.26  614.65 7997.49     615 8346.19     615
 8346.19  611.73 8503.67  611.73 8503.67     610 9141.07     610 9313.54  608.68
 9737.22  603.73 9920.94  601.19 9935.94  600.9610123.41     60010730.82     600
10896.22  571.3510996.22  571.3511196.22     600 11667.4  603.9313269.39  609.42
13457.86  609.6913684.02  630.9313740.56  639.6213910.18  653.5314211.73  663.27
14362.51  662.38 14400.2  661.5414682.91   660.114701.75  660.9214927.92   671.9
15154.08     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510730.82     .1511196.22     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10730.8211196.22               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1315723.00   82508.04   523234.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)           1315723.00   82508.04   523234.30
  Q Total (cfs)           206224.30    Flow (cfs)             137988.90   11026.10   57209.31
  Top Width (ft)          15154.08    Top Width (ft)         10730.82     465.40    3957.86
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.53    Hydr. Depth (ft)          122.61     177.28     132.20
  Conv. Total (cfs)       479339100.0    Conv. (cfs)            320735600.0   25628600.0   132974900.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10778.20     469.90    4026.63
  Min Ch El (ft)           571.35    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     5199.07     343.41    2104.72
  C & E Loss (ft)            0.00    Cum SA (acres)             40.69       1.84      15.54


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1328.*
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```
INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.17  680.26  607.42  679.93  993.62  676.06 1012.37  676.08
 1291.71  677.94 1316.08  677.75 1987.24   667.2 2024.74  667.37 2185.97  669.79
 2227.21     670 2782.14     670 2834.63  669.31 3775.76  650.48    3847     650
  4471.3     650 4555.66  644.43 4570.66  642.93  4656.9     640 4769.39     640
 4859.37  637.03 5166.83  621.66 5264.32  619.45 5862.37  614.32 5972.98     614
 7750.25     614 7849.61  614.66 7896.48  614.66 7997.72     615 8346.42     615
 8346.42  611.72  8503.9  611.72  8503.9     610 9141.32     610  9313.8  608.67
  9737.5  603.73 9921.22  601.18 9936.22  600.96 10123.7     60010731.12     600
10896.68  571.3410996.68  571.3411196.68     60011667.98  603.9313270.39  609.43
13458.91  609.6913685.14  630.9813741.69  639.6713911.36  653.5414212.99  663.28
14363.81  662.3814401.51  661.5314684.29   660.114703.14  660.9214929.37  671.93
15155.59     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510731.12     .1511196.68     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10731.1211196.68               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1315775.00   82538.75   523341.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1315775.00   82538.75   523341.40
  Q Total (cfs)           206224.30    Flow (cfs)              137981.80   11029.32   57213.20
  Top Width (ft)          15155.59    Top Width (ft)          10731.12     465.56    3958.91
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.54    Hydr. Depth (ft)          122.61     177.29     132.19
  Conv. Total (cfs)       479386800.0    Conv. (cfs)            320750900.0   25638650.0   132997200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10778.50     470.07    4027.68
  Min Ch El (ft)            571.34    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5183.97     342.46    2098.72
  C & E Loss (ft)             0.00    Cum SA (acres)             40.57       1.84      15.50


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1327.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.19  680.25  607.44  679.93  993.65  676.06  1012.4  676.08
 1291.74  677.94 1316.12  677.75  1987.3   667.2  2024.8  667.37 2186.03  669.79
 2227.28     670 2782.22     670 2834.71  669.31 3775.87  650.48 3847.11     650
 4471.42     650 4555.79  644.42 4570.79  642.92 4657.03     640 4769.52     640
 4859.51  637.02 5166.98  621.65 5264.47  619.45 5862.54  614.32 5973.15     614
 7750.47     614 7849.83  614.66 7896.71  614.66 7997.95     615 8346.66     615
 8346.66  611.71 8504.14  611.71 8504.14     610 9141.58     610 9314.06  608.67
 9737.77  603.73  9921.5  601.18  9936.5  600.9510123.98     60010731.42     600
10897.13  571.3410997.13  571.3411197.13     60011668.55  603.93 13271.4  609.43
13459.97  609.6913686.25  631.0313742.83  639.7113912.54  653.5514214.25  663.29
14365.11  662.3714402.82  661.5214685.67   660.114704.53  660.9214930.82  671.96
 15157.1     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510731.42     .1511197.13     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10731.4211197.13               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1315822.00   82564.95   523461.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1315822.00   82564.95   523461.10
  Q Total (cfs)           206224.30    Flow (cfs)              137973.40   11031.72   57219.18
  Top Width (ft)          15157.10    Top Width (ft)          10731.42     465.71    3959.97
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.54    Hydr. Depth (ft)          122.61     177.29     132.19
  Conv. Total (cfs)       479435500.0    Conv. (cfs)            320764100.0   25646830.0   133024600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10778.80     470.21    4028.74
  Min Ch El (ft)            571.34    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5168.86     341.52    2092.71
  C & E Loss (ft)             0.00    Cum SA (acres)             40.44       1.83      15.45


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1327.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.21  680.25  607.46  679.93  993.68  676.06 1012.43  676.08
 1291.78  677.95 1316.15  677.75 1987.36   667.2 2024.85  667.37 2186.09  669.79
 2227.34     670  2782.3     670 2834.79   669.3 3775.98  650.48 3847.22     650
 4471.55     650 4555.92  644.41 4570.92  642.91 4657.16     640 4769.65     640
 4859.65  637.02 5167.13  621.64 5264.62  619.45  5862.7  614.32 5973.32     614
 7750.69     614 7850.06  614.66 7896.93  614.66 7998.17     615 8346.89     615
 8346.89  611.71 8504.38  611.71 8504.38     610 9141.84     610 9314.33  608.67
 9738.04  603.72 9921.78  601.17 9936.78  600.9510124.27     60010731.72     600
```

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10897.58  571.3410997.58  571.3411197.58     60011669.13  603.9413272.41  609.43
13461.03  609.6913687.37  631.0813743.96  639.7613913.72  653.5614215.51  663.29
14366.41  662.3714404.13  661.5214687.06  660.0914705.92  660.9214932.27  671.99
15158.61     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510731.72     .1511197.58     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10731.7211197.58               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1315870.00   82591.16   523570.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1315870.00   82591.16   523570.70
  Q Total (cfs)           206224.30    Flow (cfs)              137966.30   11034.21   57223.80
  Top Width (ft)          15158.61    Top Width (ft)          10731.72     465.86    3961.03
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.54    Hydr. Depth (ft)          122.62     177.29     132.18
  Conv. Total (cfs)       479480000.0    Conv. (cfs)            320777300.0   25655000.0   133047700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10779.10     470.36    4029.80
  Min Ch El (ft)            571.34    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5153.76     340.57    2086.70
  C & E Loss (ft)             0.00    Cum SA (acres)             40.32       1.83      15.40


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1326.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.22  680.25  607.47  679.93  993.71  676.06 1012.46  676.08
 1291.82  677.95 1316.19  677.75 1987.41   667.2 2024.91  667.37 2186.15  669.79
  2227.4     670 2782.38     670 2834.87   669.3 3776.08  650.48 3847.33     650
 4471.68     650 4556.05   644.4 4571.05   642.9 4657.29     640 4769.79     640
 4859.78  637.01 5167.27  621.64 5264.77  619.44 5862.87  614.32 5973.49     614
 7750.91     614 7850.28  614.66 7897.15  614.66  7998.4     615 8347.13     615
 8347.13   611.7 8504.62   611.7 8504.62     610 9142.09     610 9314.59  608.66
 9738.32  603.72 9922.06  601.17 9937.06  600.9410124.55     60010732.02     600
10898.04  571.3410998.04  571.3411198.04     60011669.71  603.9413273.41  609.43
13462.08  609.6913688.49  631.1213745.09   639.813914.89  653.5614216.77   663.3
 14367.7  662.3614405.44  661.5114688.44  660.0914707.31  660.9214933.72  672.01
15160.12     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510732.02     .1511198.04     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10732.0211198.04               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1315919.00   82619.05   523694.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1315919.00   82619.05   523694.70
  Q Total (cfs)           206224.30    Flow (cfs)              137957.30   11036.76   57230.25
  Top Width (ft)          15160.12    Top Width (ft)          10732.02     466.02    3962.08
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.54    Hydr. Depth (ft)          122.62     177.29     132.18
  Conv. Total (cfs)       479532100.0    Conv. (cfs)            320791300.0   25663710.0   133077200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10779.40     470.52    4030.85
  Min Ch El (ft)            571.34    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5138.65     339.62    2080.69
  C & E Loss (ft)             0.00    Cum SA (acres)             40.20       1.82      15.36


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1326.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.24  680.25  607.49  679.93  993.73  676.06 1012.48  676.08
 1291.85  677.95 1316.23  677.74 1987.47   667.2 2024.97  667.37 2186.21  669.79
 2227.46     670 2782.46     670 2834.95   669.3 3776.19  650.48 3847.44     650
  4471.8     650 4556.18  644.38 4571.18  642.88 4657.42     640 4769.92     640
 4859.92     637 5167.42  621.63 5264.92  619.44 5863.03  614.32 5973.65     614
 7751.12     614  7850.5  614.66 7897.37  614.66 7998.62     615 8347.37     615
 8347.37  611.69 8504.86  611.69 8504.86     610 9142.35     610 9314.85  608.66
 9738.59  603.72 9922.34  601.16 9937.34  600.9410124.84     60010732.33     600
10898.49  571.3410998.49  571.3411198.49     60011670.29  603.9513274.42  609.44
13463.14  609.6913689.61  631.1713746.22  639.8513916.07  653.5714218.03  663.31
   14369  662.3514406.75   661.514689.83  660.09 14708.7  660.9314935.17  672.04
15161.63     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510732.33     .1511198.49     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10732.3311198.49               .5      .5      .5             .1       .3
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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1315969.00   82643.38   523792.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1315969.00   82643.38   523792.70
  Q Total (cfs)           206224.30    Flow (cfs)              137951.90   11039.10   57233.31
  Top Width (ft)          15161.63    Top Width (ft)          10732.33     466.16    3963.14
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.54    Hydr. Depth (ft)          122.62     177.29     132.17
  Conv. Total (cfs)       479572100.0    Conv. (cfs)            320805400.0   25671300.0   133095400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10779.71     470.66    4031.90
  Min Ch El (ft)            571.34    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5123.55     338.67    2074.68
  C & E Loss (ft)             0.00    Cum SA (acres)             40.07       1.82      15.31


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1325.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.26  680.25  607.51  679.92  993.76  676.06 1012.51  676.08
 1291.89  677.95 1316.27  677.74 1987.52   667.2 2025.02  667.38 2186.28  669.79
 2227.53     670 2782.53     670 2835.03   669.3  3776.3  650.47 3847.55     650
 4471.93     650  4556.3  644.37  4571.3  642.87 4657.56     640 4770.06     640
 4860.06     637 5167.56  621.62 5265.06  619.44  5863.2  614.32 5973.82     614
 7751.34     614 7850.72  614.66 7897.59  614.66 7998.85     615  8347.6     615
  8347.6  611.68  8505.1  611.68  8505.1     610 9142.61     610 9315.11  608.66
 9738.87  603.71 9922.62  601.16 9937.62  600.9410125.12     60010732.63     600
10898.94  571.3410998.94  571.3411198.94     60011670.87  603.9513275.43  609.44
 13464.2  609.6913690.72  631.2213747.36  639.8913917.25  653.5814219.29  663.32
 14370.3  662.3514408.06   661.514691.21  660.0914710.09  660.9314936.62  672.07
15163.14     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510732.63     .1511198.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10732.6311198.94               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1316019.00   82669.58   523909.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1316019.00   82669.58   523909.80
  Q Total (cfs)           206224.30    Flow (cfs)              137944.00   11041.49   57238.77
  Top Width (ft)          15163.14    Top Width (ft)          10732.63     466.31    3964.20
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.54    Hydr. Depth (ft)          122.62     177.28     132.16
  Conv. Total (cfs)       479621100.0    Conv. (cfs)            320820000.0   25679470.0   133121700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10780.01     470.81    4032.96
  Min Ch El (ft)            571.34    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5108.44     337.72    2068.67
  C & E Loss (ft)             0.00    Cum SA (acres)             39.95       1.81      15.27


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1325.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.27  680.25  607.52  679.92  993.79  676.06 1012.54  676.08
 1291.93  677.95  1316.3  677.74 1987.58   667.2 2025.08  667.38 2186.34   669.8
 2227.59     670 2782.61     670 2835.11   669.3  3776.4  650.47 3847.65     650
 4472.05     650 4556.43  644.36 4571.43  642.86 4657.69     640 4770.19     640
 4860.19  636.99 5167.71  621.61 5265.21  619.44 5863.36  614.31 5973.99     614
 7751.56     614 7850.94  614.66 7897.82  614.66 7999.07     615 8347.83     615
 8347.83  611.68 8505.34  611.68 8505.34     610 9142.87     610 9315.37  608.65
 9739.14  603.71  9922.9  601.16  9937.9  600.9310125.41     60010732.93     600
 10899.4  571.34 10999.4  571.34 11199.4     60011671.45  603.9613276.43  609.44
13465.26   609.713691.84  631.2713748.49  639.9413918.43  653.5914220.54  663.32
 14371.6  662.3414409.37  661.49 14692.6  660.0914711.48  660.9314938.07   672.1
15164.65     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510732.93     .15 11199.4     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10732.93 11199.4               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1316068.00   82697.48   524016.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1316068.00   82697.48   524016.80
  Q Total (cfs)           206224.30    Flow (cfs)              137937.10   11044.20   57242.98
  Top Width (ft)          15164.65    Top Width (ft)          10732.93     466.47    3965.25
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.54    Hydr. Depth (ft)          122.62     177.28     132.15
  Conv. Total (cfs)       479665800.0    Conv. (cfs)            320833800.0   25688180.0   133143900.0
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  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10780.31     470.96    4034.01
  Min Ch El (ft)           571.34    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     5093.34     336.77    2062.65
  C & E Loss (ft)            0.00    Cum SA (acres)             39.83       1.81      15.22


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1324.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.29  680.25  607.54  679.92  993.82  676.06 1012.57  676.08
 1291.96  677.95 1316.34  677.74 1987.64  667.19 2025.14  667.38  2186.4   669.8
 2227.65     670 2782.69     670 2835.19   669.3 3776.51  650.47 3847.76     650
 4472.18     650 4556.56  644.34 4571.56  642.84 4657.82     640 4770.33     640
 4860.33  636.98 5167.85  621.61 5265.36  619.44 5863.53  614.31 5974.16     614
 7751.78     614 7851.16  614.67 7898.04  614.67  7999.3     615 8348.07     615
 8348.07  611.67 8505.58  611.67 8505.58     610 9143.12     610 9315.64  608.65
 9739.42  603.71 9923.18  601.15 9938.18  600.9310125.69     60010733.23     600
10899.85  571.3310999.85  571.3311199.85     60011672.03  603.9613277.44  609.44
13466.31   609.713692.96  631.3213749.62  639.9813919.61   653.6 14221.8  663.33
 14372.9  662.3414410.67  661.4814693.98  660.0914712.87  660.9314939.52  672.12
15166.16     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510733.23     .1511199.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10733.2311199.85               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1316113.00   82726.18   524137.80
  E.G. Slope (ft/ft)      0.000000   Area (sq ft)            1316113.00   82726.18   524137.80
  Q Total (cfs)           206224.30   Flow (cfs)              137928.10   11047.11   57249.07
  Top Width (ft)          15166.16   Top Width (ft)          10733.23     466.62    3966.31
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.55    Hydr. Depth (ft)          122.62     177.29     132.15
  Conv. Total (cfs)       479715600.0    Conv. (cfs)            320846100.0   25697600.0   133171900.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10780.61     471.11    4035.07
  Min Ch El (ft)           571.33    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     5078.23     335.82    2056.64
  C & E Loss (ft)            0.00    Cum SA (acres)             39.70       1.80      15.18


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1324.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.31  680.25  607.56  679.92  993.85  676.06  1012.6  676.08
    1292  677.95 1316.38  677.74 1987.69  667.19  2025.2  667.38 2186.46   669.8
 2227.71     670 2782.77     670 2835.27  669.29 3776.61  650.47 3847.87     650
 4472.31     650 4556.69  644.33 4571.69  642.83 4657.95     640 4770.46     640
 4860.47  636.98    5168   621.6 5265.51  619.44 5863.69  614.31 5974.33     614
    7752     614 7851.38  614.67 7898.26  614.67 7999.52     615  8348.3     615
  8348.3  611.66 8505.82  611.66 8505.82     610 9143.38     610  9315.9  608.65
 9739.69   603.7 9923.46  601.15 9938.46  600.9210125.98     60010733.54     600
 10900.3  571.33 11000.3  571.33 11200.3     60011672.61  603.9713278.45  609.45
13467.37   609.713694.08  631.3713750.75  640.0313920.79  653.6114223.06  663.34
 14374.2  662.3314411.98  661.4814695.37  660.0914714.26  660.9314940.97  672.15
15167.67     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510733.54     .15 11200.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10733.54 11200.3               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1316165.00   82750.68   524235.50
  E.G. Slope (ft/ft)      0.000000   Area (sq ft)            1316165.00   82750.68   524235.50
  Q Total (cfs)           206224.30   Flow (cfs)              137922.80   11049.46   57252.00
  Top Width (ft)          15167.67   Top Width (ft)          10733.54     466.76    3967.37
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.55    Hydr. Depth (ft)          122.62     177.29     132.14
  Conv. Total (cfs)       479756100.0    Conv. (cfs)            320860900.0   25705250.0   133189900.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10780.92     471.25    4036.13
  Min Ch El (ft)           571.33    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     5063.12     334.87    2050.62
  C & E Loss (ft)            0.00    Cum SA (acres)             39.58       1.79      15.13


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 1323.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  596.32  680.25  607.58  679.92  993.87  676.06 1012.63  676.08
  1292.04  677.95 1316.41  677.74 1987.75  667.19 2025.25  667.38 2186.52   669.8
  2227.78     670 2782.85     670 2835.35  669.29 3776.72  650.47 3847.98     650
  4472.43     650 4556.82  644.32 4571.82  642.82 4658.08     640 4770.59     640
  4860.61  636.97 5168.14  621.59 5265.66  619.44 5863.86  614.31 5974.49     614
  7752.22     614  7851.6  614.67 7898.48  614.67 7999.75     615 8348.54     615
  8348.54  611.65 8506.06  611.65 8506.06     610 9143.64     610 9316.16  608.64
  9739.96   603.7 9923.74  601.14 9938.74  600.9210126.26     60010733.84     600
 10900.75  571.3311000.75  571.3311200.75     60011673.19  603.9713279.46  609.45
 13468.43   609.7 13695.2  631.4113751.89  640.0813921.96  653.6114224.32  663.35
  14375.5  662.3214413.29  661.4714696.75  660.0914715.65  660.9414942.42  672.18
 15169.18     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1510733.84     .1511200.75     .15

Bank Sta: Left   Right     Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10733.8411200.75                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1316212.00   82776.88   524356.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1316212.00   82776.88   524356.50
  Q Total (cfs)           206224.30    Flow (cfs)              137914.40   11051.83   57258.11
  Top Width (ft)          15169.18    Top Width (ft)          10733.84     466.91    3968.43
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.55    Hydr. Depth (ft)          122.62     177.29     132.13
  Conv. Total (cfs)       479805600.0    Conv. (cfs)             320874300.0   25713420.0   133217900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10781.22     471.40    4037.19
  Min Ch El (ft)            571.33    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5048.02     333.92    2044.60
  C & E Loss (ft)             0.00    Cum SA (acres)             39.46       1.79      15.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1323.*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  596.34  680.24  607.59  679.92   993.9  676.06 1012.65  676.08
  1292.07  677.95 1316.45  677.74  1987.8  667.19 2025.31  667.38 2186.58   669.8
  2227.84     670 2782.93     670 2835.43  669.29 3776.83  650.46 3848.09     650
  4472.56     650 4556.95  644.31 4571.95  642.81 4658.21     640 4770.73     640
  4860.74  636.96 5168.29  621.59  5265.8  619.44 5864.02  614.31 5974.66     614
  7752.43     614 7851.82  614.67 7898.71  614.67 7999.97     615 8348.77     615
  8348.77  611.65  8506.3  611.65  8506.3     610  9143.9     610 9316.42  608.64
  9740.24   603.7 9924.01  601.14 9939.02  600.9110126.55     60010734.14     600
 10901.21  571.3311001.21  571.3311201.21     60011673.77  603.9813280.46  609.45
 13469.49   609.713696.31  631.4613753.02  640.1213923.14  653.6214225.58  663.35
  14376.8  662.32 14414.6  661.4614698.14  660.0914717.04  660.9414943.87  672.21
  15170.7     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1510734.14     .1511201.21     .15

Bank Sta: Left   Right     Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10734.1411201.21                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1316261.00   82804.78   524466.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1316261.00   82804.78   524466.30
  Q Total (cfs)           206224.30    Flow (cfs)              137907.20   11054.53   57262.61
  Top Width (ft)          15170.70    Top Width (ft)          10734.14     467.07    3969.49
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.55    Hydr. Depth (ft)          122.62     177.29     132.12
  Conv. Total (cfs)       479851300.0    Conv. (cfs)             320888100.0   25722130.0   133241000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10781.52     471.56    4038.25
  Min Ch El (ft)            571.33    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5032.91     332.97    2038.58
  C & E Loss (ft)             0.00    Cum SA (acres)             39.33       1.78      15.04


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1322.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  596.36  680.24  607.61  679.92  993.93  676.06 1012.68  676.08
  1292.11  677.95 1316.49  677.74 1987.86  667.19 2025.37  667.38 2186.65   669.8
   2227.9     670    2783     670 2835.51  669.29 3776.93  650.46  3848.2     650
  4472.68     650 4557.07  644.29 4572.08  642.79 4658.34     640 4770.86     640
  4860.88  636.96 5168.43  621.58 5265.95  619.43 5864.19  614.31 5974.83     614
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 7752.65     614 7852.04  614.67 7898.93  614.67  8000.2     615 8349.01     615
 8349.01  611.64 8506.54  611.64 8506.54     610 9144.15     610 9316.68  608.64
 9740.51  603.69 9924.29  601.14  9939.3  600.9110126.83     60010734.44     600
10901.66  571.3311001.66  571.3311201.66     60011674.35  603.9813281.47  609.45
13470.54   609.713697.43  631.5113754.15  640.1713924.32  653.6314226.84  663.36
 14378.1  662.3114415.91  661.4614699.52  660.0914718.43  660.9414945.32  672.23
15172.21     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510734.44     .1511201.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10734.4411201.66               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1316310.00   82830.81   524585.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1316310.00   82830.81   524585.30
  Q Total (cfs)           206224.30    Flow (cfs)              137899.00   11056.88   57268.40
  Top Width (ft)          15172.21    Top Width (ft)          10734.44     467.22    3970.55
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.55    Hydr. Depth (ft)          122.62     177.28     132.12
  Conv. Total (cfs)       479900400.0    Conv. (cfs)             320902000.0   25730250.0   133268200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10781.83     471.70    4039.31
  Min Ch El (ft)            571.33    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5017.80     332.02    2032.56
  C & E Loss (ft)             0.00    Cum SA (acres)             39.21       1.78      14.99


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1322.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.37  680.24  607.63  679.92  993.96  676.06 1012.71  676.08
 1292.15  677.95 1316.53  677.74 1987.92  667.19 2025.42  667.38 2186.71   669.8
 2227.97     670 2783.08     670 2835.59  669.29 3777.04  650.46  3848.3     650
 4472.81     650  4557.2  644.28 4572.21  642.78 4658.47     640    4771     640
 4861.02  636.95 5168.58  621.57  5266.1  619.43 5864.35  614.31    5975     614
 7752.87     614 7852.27  614.67 7899.15  614.67 8000.42     615 8349.25     615
 8349.25  611.63 8506.78  611.63 8506.78     610 9144.41     610 9316.95  608.64
 9740.79  603.69 9924.57  601.13 9939.58  600.9110127.12     60010734.74     600
10902.12  571.3311002.12  571.3311202.12     60011674.92  603.9913282.48  609.46
 13471.6   609.713698.55  631.5613755.29  640.21 13925.5  653.64 14228.1  663.37
 14379.4  662.3114417.22  661.4514700.91  660.0914719.82  660.9414946.77  672.26
15173.72     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510734.74     .1511202.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10734.7411202.12               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1316354.00   82858.71   524683.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1316354.00   82858.71   524683.10
  Q Total (cfs)           206224.30    Flow (cfs)              137893.00   11059.72   57271.63
  Top Width (ft)          15173.72    Top Width (ft)          10734.74     467.38    3971.60
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.55    Hydr. Depth (ft)          122.63     177.28     132.11
  Conv. Total (cfs)       479939500.0    Conv. (cfs)             320914000.0   25738950.0   133286500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10782.13     471.86    4040.35
  Min Ch El (ft)            571.33    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5002.69     331.07    2026.54
  C & E Loss (ft)             0.00    Cum SA (acres)             39.09       1.77      14.95


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1321.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.39  680.24  607.64  679.92  993.99  676.06 1012.74  676.08
 1292.18  677.95 1316.56  677.74 1987.97  667.19 2025.48  667.38 2186.77   669.8
 2228.03     670 2783.16     670 2835.67  669.29 3777.15  650.46 3848.41     650
 4472.94     650 4557.33  644.27 4572.33  642.77  4658.6     640 4771.13     640
 4861.15  636.94 5168.73  621.56 5266.25  619.43 5864.52   614.3 5975.17     614
 7753.09     614 7852.49  614.68 7899.37  614.68 8000.65     615 8349.48     615
 8349.48  611.62 8507.02  611.62 8507.02     610 9144.67     610 9317.21  608.63
 9741.06  603.69 9924.85  601.13 9939.86   600.9 10127.4     60010735.04     600
10902.57  571.3211002.57  571.3211202.57     600 11675.5  603.9913283.48  609.46
13472.66   609.713699.67  631.6113756.42  640.2613926.68  653.6514229.36  663.38
 14380.7   662.314418.53  661.4414702.29  660.0914721.21  660.9514948.22  672.29
15175.23     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510735.04     .1511202.57     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10735.0411202.57               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1316403.00   82887.75   524800.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1316403.00   82887.75   524800.50
  Q Total (cfs)           206224.30    Flow (cfs)              137884.60   11062.67   57277.00
  Top Width (ft)          15175.23    Top Width (ft)          10735.04     467.53    3972.66
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.56    Hydr. Depth (ft)          122.63     177.29     132.10
  Conv. Total (cfs)       479989500.0    Conv. (cfs)            320928100.0   25748480.0   133312900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10782.43     472.01    4041.41
  Min Ch El (ft)            571.32    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4987.58     330.12    2020.52
  C & E Loss (ft)             0.00    Cum SA (acres)             38.96       1.77      14.90


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1321.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.41  680.24  607.66  679.92  994.01  676.06 1012.77  676.09
 1292.22  677.95  1316.6  677.74 1988.03  667.19 2025.54  667.38 2186.83   669.8
 2228.09     670 2783.24     670 2835.75  669.28 3777.25  650.45 3848.52     650
 4473.06     650 4557.46  644.25 4572.46  642.75 4658.74     640 4771.27     640
 4861.29  636.94 5168.87  621.56  5266.4  619.43 5864.68   614.3 5975.33     614
 7753.31     614 7852.71  614.68  7899.6  614.68 8000.87     615 8349.71     615
 8349.71  611.62 8507.26  611.62 8507.26     610 9144.93     610 9317.47  608.63
 9741.33  603.68 9925.13  601.12 9940.14  600.910127.69     60010735.35     600
10903.02  571.3211003.02  571.3211203.02     60011676.08     60413284.49  609.46
13473.72  609.7113700.79  631.6613757.55   640.313927.86  653.6514230.61  663.38
14381.99  662.2914419.84  661.4414703.68  660.09 14722.6  660.9514949.67  672.32
15176.74     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510735.35     .1511203.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10735.3511203.02               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1316456.00   82912.08   524910.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1316456.00   82912.08   524910.80
  Q Total (cfs)           206224.30    Flow (cfs)              137877.90   11064.86   57281.54
  Top Width (ft)          15176.74    Top Width (ft)          10735.35     467.67    3973.72
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.56    Hydr. Depth (ft)          122.63     177.29     132.10
  Conv. Total (cfs)       480035800.0    Conv. (cfs)            320943400.0   25756070.0   133336300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10782.74     472.15    4042.47
  Min Ch El (ft)            571.32    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4972.47     329.17    2014.49
  C & E Loss (ft)             0.00    Cum SA (acres)             38.84       1.76      14.86


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1320.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.42  680.24  607.68  679.92  994.04  676.06  1012.8  676.09
 1292.25  677.95 1316.64  677.74 1988.08  667.19 2025.59  667.38 2186.89   669.8
 2228.15     670 2783.32     670 2835.83  669.28 3777.36  650.45 3848.63     650
 4473.19     650 4557.59  644.24 4572.59  642.74 4658.87     640  4771.4     640
 4861.43  636.93 5169.02  621.55 5266.54  619.43 5864.85   614.3  5975.5     614
 7753.52     614 7852.93  614.68 7899.82  614.68  8001.1     615 8349.95     615
 8349.95  611.61  8507.5  611.61  8507.5     610 9145.18     610 9317.73  608.63
 9741.61  603.68 9925.41  601.12 9940.42  600.8910127.97     60010735.65     600
10903.47  571.3211003.47  571.3211203.47     60011676.66     604 13285.5  609.46
13474.77  609.71 13701.9   631.713758.69  640.3513929.03  653.6614231.87  663.39
14383.29  662.2914421.15  661.4314705.06  660.0914723.99  660.9514951.12  672.34
15178.25     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510735.65     .1511203.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10735.6511203.47               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1316500.00   82938.11   525031.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1316500.00   82938.11   525031.80
  Q Total (cfs)           206224.30    Flow (cfs)              137869.30   11067.24   57287.80
  Top Width (ft)          15178.25    Top Width (ft)          10735.65     467.82    3974.78
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  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.56    Hydr. Depth (ft)          122.63     177.29     132.09
  Conv. Total (cfs)       480083900.0    Conv. (cfs)            320955500.0   25764190.0   133364200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10783.04     472.30    4043.53
  Min Ch El (ft)            571.32    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4957.36     328.22    2008.47
  C & E Loss (ft)             0.00    Cum SA (acres)             38.72       1.76      14.81


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1320.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.44  680.24   607.7  679.92  994.07  676.06 1012.83  676.09
 1292.29  677.95 1316.67  677.74 1988.14  667.19 2025.65  667.38 2186.95   669.8
 2228.22     670 2783.39     670 2835.91  669.28 3777.46  650.45 3848.74     650
 4473.31     650 4557.72  644.23 4572.72  642.73    4659     640 4771.53     640
 4861.56  636.92 5169.16  621.54 5266.69  619.43 5865.01   614.3 5975.67     614
 7753.74     614 7853.15  614.68 7900.04  614.68 8001.32     615 8350.18     615
 8350.18   611.6 8507.74   611.6 8507.74     610 9145.44     610    9318  608.62
 9741.88  603.68 9925.69  601.11  9940.7  600.8910128.26     60010735.95     600
10903.93  571.3211003.93  571.3211203.93     60011677.24  604.0113286.51  609.47
13475.83  609.7113703.02  631.7513759.82  640.3913930.21  653.6714233.13   663.4
14384.59  662.2814422.46  661.4214706.45  660.0914725.38  660.9514952.57  672.37
15179.76     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510735.95     .1511203.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10735.9511203.93               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1316548.00   82966.02   525130.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1316548.00   82966.02   525130.40
  Q Total (cfs)           206224.30    Flow (cfs)              137863.30   11070.04   57290.98
  Top Width (ft)          15179.76    Top Width (ft)          10735.95     467.98    3975.83
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.56    Hydr. Depth (ft)          122.63     177.29     132.08
  Conv. Total (cfs)       480124600.0    Conv. (cfs)            320968700.0   25772900.0   133383000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10783.34     472.46    4044.58
  Min Ch El (ft)            571.32    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4942.25     327.27    2002.44
  C & E Loss (ft)             0.00    Cum SA (acres)             38.59       1.75      14.77


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1319.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.46  680.24  607.71  679.92   994.1  676.06 1012.85  676.09
 1292.33  677.95 1316.71  677.74  1988.2  667.19 2025.71  667.39 2187.01  669.81
 2228.28     670 2783.47     670 2835.99  669.28 3777.57  650.45 3848.85     650
 4473.44     650 4557.84  644.22 4572.85  642.72 4659.13     640 4771.67     640
  4861.7  636.91 5169.31  621.53 5266.84  619.43 5865.18   614.3 5975.84     614
 7753.96     614 7853.37  614.68 7900.26  614.68 8001.55     615 8350.42     615
 8350.42  611.59 8507.97  611.59 8507.97     610  9145.7     610 9318.26  608.62
 9742.16  603.67 9925.97  601.11 9940.98  600.8910128.54     60010736.25     600
10904.38  571.3211004.38  571.3211204.38     60011677.82  604.0113287.51  609.47
13476.89  609.7113704.14   631.813760.95  640.4413931.39  653.6814234.39  663.41
14385.89  662.2714423.77  661.4214707.83  660.0914726.77  660.9514954.02   672.4
15181.27     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510736.25     .1511204.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10736.2511204.38               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1316592.00   82992.22   525247.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1316592.00   82992.22   525247.10
  Q Total (cfs)           206224.30    Flow (cfs)              137855.10   11072.49   57296.69
  Top Width (ft)          15181.27    Top Width (ft)          10736.25     468.13    3976.89
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.56    Hydr. Depth (ft)          122.63     177.28     132.07
  Conv. Total (cfs)       480170800.0    Conv. (cfs)            320980600.0   25781080.0   133409100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10783.64     472.60    4045.64
  Min Ch El (ft)            571.32    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4927.13     326.31    1996.41
  C & E Loss (ft)             0.00    Cum SA (acres)             38.47       1.75      14.72


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1319.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.48  680.23  607.73  679.92  994.13  676.06 1012.88  676.09
 1292.36  677.95 1316.75  677.74 1988.25  667.18 2025.77  667.39 2187.08  669.81
 2228.34     670 2783.55     670 2836.07  669.28 3777.68  650.45 3848.95     650
 4473.56     650 4557.97   644.2 4572.98   642.7 4659.26     640  4771.8     640
 4861.84  636.91 5169.45  621.53 5266.99  619.43 5865.34   614.3 5976.01     614
 7754.18     614 7853.59  614.68 7900.48  614.68 8001.77     615 8350.65     615
 8350.65  611.59 8508.21  611.59 8508.21     610 9145.96     610 9318.52  608.62
 9742.43  603.67 9926.25  601.11 9941.25  600.8810128.83     60010736.56     600
10904.83  571.3211004.83  571.3211204.83     600 11678.4  604.0113288.52  609.47
13477.95  609.7113705.26  631.8513762.08  640.4813932.57  653.6914235.65  663.41
14387.19  662.2714425.08  661.4114709.21  660.0914728.16  660.9614955.47  672.43
15182.78     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510736.56     .1511204.83     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10736.5611204.83               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1316640.00   83016.72   525367.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1316640.00   83016.72   525367.00
  Q Total (cfs)           206224.30    Flow (cfs)              137846.90   11074.65   57302.70
  Top Width (ft)          15182.78    Top Width (ft)          10736.56     468.27    3977.95
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.56    Hydr. Depth (ft)          122.63     177.28     132.07
  Conv. Total (cfs)       480219200.0    Conv. (cfs)            320993900.0   25788720.0   133436600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10783.95     472.74    4046.70
  Min Ch El (ft)            571.32    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4912.02     325.36    1990.38
  C & E Loss (ft)             0.00    Cum SA (acres)             38.35       1.74      14.68


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1318.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.49  680.23  607.75  679.92  994.15  676.06 1012.91  676.09
  1292.4  677.95 1316.78  677.74 1988.31  667.18 2025.82  667.39 2187.14  669.81
  2228.4     670 2783.63     670 2836.15  669.28 3777.78  650.44 3849.06     650
 4473.69     650  4558.1  644.19 4573.11  642.69 4659.39     640 4771.94     640
 4861.97   636.9  5169.6  621.52 5267.14  619.42 5865.51   614.3 5976.18     614
  7754.4     614 7853.81  614.68 7900.71  614.68    8002     615 8350.89     615
 8350.89  611.58 8508.45  611.58 8508.45     610 9146.21     610 9318.78  608.61
  9742.7  603.67 9926.53   601.1 9941.54  600.8810129.11     60010736.86     600
10905.29  571.3211005.29  571.3211205.29     60011678.98  604.0213289.53  609.47
   13479  609.7113706.38  631.913763.22  640.5313933.75   653.714236.91  663.42
14388.49  662.2614426.38   661.4 14710.6  660.0914729.55  660.9614956.92  672.45
15184.29     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510736.86     .1511205.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10736.8611205.29               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1316696.00   83044.45   525475.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1316696.00   83044.45   525475.70
  Q Total (cfs)           206224.30    Flow (cfs)              137840.30   11077.25   57306.77
  Top Width (ft)          15184.29    Top Width (ft)          10736.86     468.43    3979.00
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.56    Hydr. Depth (ft)          122.63     177.28     132.06
  Conv. Total (cfs)       480267700.0    Conv. (cfs)            321010800.0   25797370.0   133459500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10784.25     472.90    4047.75
  Min Ch El (ft)            571.32    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4896.91     324.41    1984.35
  C & E Loss (ft)             0.00    Cum SA (acres)             38.23       1.74      14.63


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1318.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.51  680.23  607.76  679.92  994.18  676.06 1012.94  676.09
 1292.44  677.95 1316.82  677.74 1988.36  667.18 2025.88  667.39  2187.2  669.81
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 2228.47     670 2783.71     670 2836.23  669.28 3777.89  650.44 3849.17     650
 4473.82     650 4558.23  644.18 4573.23  642.68 4659.52     640 4772.07     640
 4862.11  636.89 5169.74  621.51 5267.29  619.42 5865.67  614.29 5976.34     614
 7754.62     614 7854.03  614.69 7900.93  614.69 8002.22     615 8351.12     615
 8351.12  611.57 8508.69  611.57 8508.69     610 9146.47     610 9319.04  608.61
 9742.98  603.67 9926.81   601.1 9941.81  600.87 10129.4     60010737.16     600
10905.74  571.3111005.74  571.3111205.74     60011679.56  604.0213290.53  609.48
13480.06  609.7113707.49  631.9513764.35  640.5713934.92   653.714238.17  663.43
14389.79  662.2614427.69   661.414711.98  660.0914730.94  660.9614958.37  672.48
 15185.8     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510737.16     .1511205.74     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10737.1611205.74               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1316742.00   83073.50   525585.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1316742.00   83073.50   525585.80
  Q Total (cfs)           206224.30    Flow (cfs)              137832.70   11080.29   57311.34
  Top Width (ft)          15185.80    Top Width (ft)          10737.16     468.58    3980.06
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.57    Hydr. Depth (ft)          122.63     177.29     132.05
  Conv. Total (cfs)       480313400.0    Conv. (cfs)            321023700.0   25806910.0   133482800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10784.55     473.05    4048.80
  Min Ch El (ft)            571.31    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4881.79     323.45    1978.32
  C & E Loss (ft)             0.00    Cum SA (acres)             38.10       1.73      14.58


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1317.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.53  680.23  607.78  679.92  994.21  676.06 1012.97  676.09
 1292.47  677.95 1316.86  677.74 1988.42  667.18 2025.94  667.39 2187.26  669.81
 2228.53     670 2783.79     670 2836.31  669.27    3778  650.44 3849.28     650
 4473.94     650 4558.36  644.16 4573.36  642.66 4659.65     640 4772.21     640
 4862.25  636.89 5169.89  621.51 5267.43  619.42 5865.84  614.29 5976.51     614
 7754.83     614 7854.25  614.69 7901.15  614.69 8002.45     615 8351.36     615
 8351.36  611.56 8508.93  611.56 8508.93     610 9146.73     610 9319.31  608.61
 9743.25  603.66 9927.09  601.09 9942.09  600.8710129.68     60010737.46     600
10906.19  571.3111006.19  571.3111206.19     60011680.14  604.0313291.54  609.48
13481.12  609.7213708.61  631.9913765.48  640.62 13936.1  653.7114239.43  663.44
14391.09  662.25   14429  661.3914713.37  660.0914732.33  660.9614959.82  672.51
15187.31     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510737.46     .1511206.19     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10737.4611206.19               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1316791.00   83099.70   525693.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1316791.00   83099.70   525693.10
  Q Total (cfs)           206224.30    Flow (cfs)              137825.90   11082.78   57315.57
  Top Width (ft)          15187.31    Top Width (ft)          10737.46     468.73    3981.12
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.57    Hydr. Depth (ft)          122.64     177.29     132.05
  Conv. Total (cfs)       480357700.0    Conv. (cfs)            321037600.0   25815080.0   133505000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10784.85     473.20    4049.86
  Min Ch El (ft)            571.31    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4866.68     322.50    1972.28
  C & E Loss (ft)             0.00    Cum SA (acres)             37.98       1.72      14.54


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1317.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.54  680.23   607.8  679.92  994.24  676.06    1013  676.09
 1292.51  677.95  1316.9  677.73 1988.47  667.18 2025.99  667.39 2187.32  669.81
 2228.59     670 2783.86     670 2836.39  669.27  3778.1  650.44 3849.39     650
 4474.07     650 4558.48  644.15 4573.49  642.65 4659.78     640 4772.34     640
 4862.38  636.88 5170.03   621.5 5267.58  619.42    5866  614.29 5976.68     614
 7755.05     614 7854.48  614.69 7901.37  614.69 8002.67     615 8351.59     615
 8351.59  611.56 8509.17  611.56 8509.17     610 9146.98     610 9319.57  608.61
 9743.53  603.66 9927.37  601.09 9942.37  600.8610129.97     60010737.76     600
10906.65  571.3111006.65  571.3111206.65     60011680.71  604.0313292.55  609.48
13482.17  609.7213709.73  632.0413766.62  640.6613937.28  653.7214240.68  663.44
14392.39  662.2414430.31  661.3814714.75  660.0914733.72  660.9614961.27  672.54
15188.82     695

Manning's n Values        num=       3
```

```
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510737.76     .1511206.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10737.7611206.65               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1316838.00   83127.60   525813.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1316838.00   83127.60   525813.30
  Q Total (cfs)           206224.30    Flow (cfs)              137817.30   11085.37   57321.60
  Top Width (ft)          15188.82    Top Width (ft)          10737.76     468.89    3982.17
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.57    Hydr. Depth (ft)          122.64     177.29     132.04
  Conv. Total (cfs)       480407200.0    Conv. (cfs)            321050600.0   25823780.0   133532800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10785.15     473.36    4050.91
  Min Ch El (ft)            571.31    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4851.56     321.55    1966.25
  C & E Loss (ft)             0.00    Cum SA (acres)             37.86       1.72      14.49


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1316.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.56  680.23  607.82  679.92  994.27  676.06 1013.03  676.09
 1292.55  677.95 1316.93  677.73 1988.53  667.18 2026.05  667.39 2187.38  669.81
 2228.66     670 2783.94     670 2836.47  669.27 3778.21  650.44  3849.5     650
 4474.19     650 4558.61  644.14 4573.62  642.64 4659.92     640 4772.47     640
 4862.52  636.87 5170.18  621.49 5267.73  619.42 5866.17  614.29 5976.85     614
 7755.27     614  7854.7  614.69  7901.6  614.69  8002.9     615 8351.83     615
 8351.83  611.55 8509.41  611.55 8509.41     610 9147.24     610 9319.83   608.6
  9743.8  603.66 9927.65  601.09 9942.65  600.8610130.25     60010738.07     600
 10907.1  571.31 11007.1  571.31 11207.1     60011681.29  604.0413293.55  609.48
13483.23  609.7213710.85  632.0913767.75  640.7113938.46  653.7314241.94  663.45
14393.69  662.2414431.62  661.3814716.14  660.0914735.11  660.9714962.72  672.56
15190.33     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510738.07     .15 11207.1     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10738.07 11207.1               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1316886.00   83151.77   525919.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1316886.00   83151.77   525919.90
  Q Total (cfs)           206224.30    Flow (cfs)              137810.80   11087.62   57325.88
  Top Width (ft)          15190.33    Top Width (ft)          10738.07     469.03    3983.23
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.57    Hydr. Depth (ft)          122.64     177.28     132.03
  Conv. Total (cfs)       480449800.0    Conv. (cfs)            321063800.0   25831320.0   133554600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10785.46     473.49    4051.97
  Min Ch El (ft)            571.31    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4836.45     320.59    1960.21
  C & E Loss (ft)             0.00    Cum SA (acres)             37.73       1.71      14.45


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1316.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.58  680.23  607.83  679.92  994.29  676.06 1013.05  676.09
 1292.58  677.95 1316.97  677.73 1988.59  667.18 2026.11  667.39 2187.45  669.81
 2228.72     670 2784.02     670 2836.55  669.27 3778.31  650.43  3849.6     650
 4474.32     650 4558.74  644.13 4573.75  642.63 4660.05     640 4772.61     640
 4862.66  636.87 5170.33  621.48 5267.88  619.42 5866.33  614.29 5977.02     614
 7755.49     614 7854.92  614.69 7901.82  614.69 8003.12     615 8352.06     615
 8352.06  611.54 8509.65  611.54 8509.65     610  9147.5     610 9320.09   608.6
 9744.08  603.65 9927.93  601.08 9942.93  600.8610130.54     60010738.37     600
10907.55  571.3111007.55  571.3111207.55     60011681.87  604.0413294.56  609.49
13484.29  609.7213711.96  632.1413768.88  640.7613939.64  653.74 14243.2  663.46
14394.99  662.2314432.93  661.3714717.52  660.09 14736.5  660.9714964.17  672.59
15191.84     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510738.37     .1511207.55     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10738.3711207.55               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1316936.00   83177.97   526029.10
```

```
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1316936.00   83177.97   526029.10
  Q Total (cfs)           206224.30    Flow (cfs)              137803.90   11090.08   57330.28
  Top Width (ft)          15191.84    Top Width (ft)          10738.37     469.18    3984.29
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.57    Hydr. Depth (ft)          122.64     177.28     132.03
  Conv. Total (cfs)       480495500.0    Conv. (cfs)             321078400.0   25839500.0   133577600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10785.76     473.64    4053.03
  Min Ch El (ft)            571.31    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4821.33     319.64    1954.18
  C & E Loss (ft)             0.00    Cum SA (acres)             37.61       1.71      14.40


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1315.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.59  680.23  607.85  679.92  994.32  676.06 1013.08  676.09
 1292.62  677.95 1317.01  677.73 1988.64  667.18 2026.16  667.39 2187.51  669.81
 2228.78     670  2784.1     670 2836.63  669.27 3778.42  650.43 3849.71     650
 4474.45     650 4558.87  644.11 4573.88  642.61 4660.18     640 4772.74     640
 4862.79  636.86 5170.47  621.48 5268.03  619.42  5866.5  614.29 5977.18     614
 7755.71     614 7855.14  614.69 7902.04  614.69 8003.35     615  8352.3     615
  8352.3  611.53 8509.89  611.53 8509.89     610 9147.76     610 9320.36   608.6
 9744.35  603.65 9928.21  601.08 9943.21  600.8510130.82     60010738.67     600
10908.01  571.3111008.01  571.3111208.01     60011682.45  604.0513295.57  609.49
13485.35  609.7213713.08  632.1913770.01   640.813940.82  653.7414244.46  663.47
14396.28  662.2314434.24  661.3614718.91  660.0914737.88  660.9714965.62  672.62
15193.35     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510738.67     .1511208.01     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10738.6711208.01               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1316979.00   83205.87   526138.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1316979.00   83205.87   526138.00
  Q Total (cfs)           206224.30    Flow (cfs)              137796.50   11092.81   57335.01
  Top Width (ft)          15193.35    Top Width (ft)          10738.67     469.34    3985.34
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.57    Hydr. Depth (ft)          122.64     177.28     132.02
  Conv. Total (cfs)       480538700.0    Conv. (cfs)             321089900.0   25848200.0   133600600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10786.07     473.80    4054.08
  Min Ch El (ft)            571.31    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4806.22     318.68    1948.14
  C & E Loss (ft)             0.00    Cum SA (acres)             37.49       1.70      14.36


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1315.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.61  680.23  607.87  679.92  994.35  676.06 1013.11  676.09
 1292.65  677.95 1317.04  677.73  1988.7  667.18 2026.22  667.39 2187.57  669.81
 2228.84     670 2784.18     670 2836.71  669.27 3778.53  650.43 3849.82     650
 4474.57     650    4559   644.1 4574.01   642.6 4660.31     640 4772.88     640
 4862.93  636.85 5170.62  621.47 5268.18  619.42 5866.66  614.29 5977.35     614
 7755.92     614 7855.36  614.69 7902.26  614.69 8003.57     615 8352.53     615
 8352.53  611.53 8510.13  611.53 8510.13     610 9148.01     610 9320.62  608.59
 9744.62  603.65 9928.48  601.07 9943.49  600.8510131.11     60010738.97     600
10908.46  571.3111008.46  571.3111208.46     60011683.03  604.0513296.58  609.49
13486.41  609.72 13714.2  632.2413771.15  640.8513941.99  653.7514245.72  663.47
14397.58  662.2214435.55  661.3614720.29  660.0814739.28  660.9714967.07  672.65
15194.86     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510738.97     .1511208.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10738.9711208.46               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1317025.00   83232.07   526258.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1317025.00   83232.07   526258.70
  Q Total (cfs)           206224.30    Flow (cfs)              137788.00   11095.20   57341.14
  Top Width (ft)          15194.86    Top Width (ft)          10738.97     469.49    3986.40
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.57    Hydr. Depth (ft)          122.64     177.28     132.01
  Conv. Total (cfs)       480587300.0    Conv. (cfs)             321102500.0   25856370.0   133628400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10786.37     473.95    4055.14
  Min Ch El (ft)            571.31    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4791.10     317.73    1942.10
  C & E Loss (ft)             0.00    Cum SA (acres)             37.36       1.70      14.31
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1314.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.63  680.22  607.88  679.92  994.38  676.06 1013.14  676.09
 1292.69  677.95 1317.08  677.73 1988.75  667.18 2026.28  667.39 2187.63  669.81
 2228.91     670 2784.26     670 2836.79  669.26 3778.63  650.43 3849.93     650
  4474.7     650 4559.13  644.09 4574.14  642.59 4660.44     640 4773.01     640
 4863.07  636.85 5170.76  621.46 5268.32  619.41 5866.83  614.28 5977.52     614
 7756.14     614 7855.58   614.7 7902.49   614.7  8003.8     615 8352.77     615
 8352.77  611.52 8510.37  611.52 8510.37     610 9148.27     610 9320.88  608.59
  9744.9  603.64 9928.76  601.07 9943.77  600.8410131.39     60010739.28     600
10908.91   571.311008.91   571.311208.91     60011683.61  604.0613297.58  609.49
13487.46  609.7213715.32  632.2813772.28  640.8913943.17  653.7614246.98  663.48
14398.88  662.2114436.86  661.3514721.68  660.0814740.67  660.9714968.52  672.67
15196.38     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510739.28     .1511208.91     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10739.2811208.91               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1317086.00   83259.25   526372.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1317086.00   83259.25   526372.10
  Q Total (cfs)           206224.30    Flow (cfs)              137781.00   11097.84   57345.45
  Top Width (ft)          15196.38    Top Width (ft)          10739.28     469.63    3987.47
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.58    Hydr. Depth (ft)          122.64     177.29     132.01
  Conv. Total (cfs)       480639300.0    Conv. (cfs)            321121100.0   25865320.0   133652900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10786.68     474.09    4056.21
  Min Ch El (ft)            571.30    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4775.98     316.77    1936.06
  C & E Loss (ft)             0.00    Cum SA (acres)             37.24       1.69      14.26


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1314.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.64  680.22   607.9  679.92  994.41  676.06 1013.17  676.09
 1292.73  677.95 1317.12  677.73 1988.81  667.18 2026.34   667.4 2187.69  669.82
 2228.97     670 2784.33     670 2836.87  669.26 3778.74  650.43 3850.04     650
 4474.82     650 4559.25  644.07 4574.26  642.57 4660.57     640 4773.15     640
  4863.2  636.84 5170.91  621.45 5268.47  619.41 5866.99  614.28 5977.69     614
 7756.36     614  7855.8   614.7 7902.71   614.7 8004.02     615    8353     615
    8353  611.51 8510.61  611.51 8510.61     610 9148.53     610 9321.14  608.59
 9745.17  603.64 9929.04  601.06 9944.05  600.8410131.68     60010739.58     600
10909.37   571.311009.37   571.311209.37     60011684.19  604.0613298.59   609.5
13488.52  609.7313716.43  632.3313773.41  640.9413944.35  653.7714248.24  663.49
14400.18  662.2114438.17  661.3414723.06  660.0814742.05  660.9814969.97   672.7
15197.88     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510739.58     .1511209.37     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10739.5811209.37               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1317129.00   83287.16   526474.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1317129.00   83287.16   526474.40
  Q Total (cfs)           206224.30    Flow (cfs)              137774.30   11100.63   57349.39
  Top Width (ft)          15197.88    Top Width (ft)          10739.58     469.79    3988.51
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.58    Hydr. Depth (ft)          122.64     177.29     132.00
  Conv. Total (cfs)       480680000.0    Conv. (cfs)            321132600.0   25874030.0   133673400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10786.98     474.25    4057.25
  Min Ch El (ft)            571.30    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4760.86     315.82    1930.01
  C & E Loss (ft)             0.00    Cum SA (acres)             37.12       1.69      14.22


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1313.5*

INPUT
Description:
Station Elevation Data    num=      56
```

```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.66  680.22  607.92  679.92  994.43  676.06  1013.2  676.09
 1292.76  677.95 1317.16  677.73 1988.87  667.17 2026.39   667.4 2187.75  669.82
 2229.03     670 2784.41     670 2836.95  669.26 3778.85  650.42 3850.15     650
 4474.95     650 4559.38  644.06 4574.39  642.56  4660.7     640 4773.28     640
 4863.34  636.83 5171.05  621.45 5268.62  619.41 5867.16  614.28 5977.86     614
 7756.58     614 7856.02   614.7 7902.93   614.7 8004.25     615 8353.24     615
 8353.24   611.5 8510.85   611.5 8510.85     610 9148.79     610  9321.4  608.58
 9745.45  603.64 9929.32  601.06 9944.33  600.8410131.96     60010739.88     600
10909.82   571.311009.82   571.311209.82     60011684.77  604.07 13299.6   609.5
13489.58  609.7313717.55  632.3813774.55  640.9813945.53  653.78 14249.5   663.5
14401.48   662.214439.48  661.3414724.45  660.0814743.44  660.9814971.42  672.73
 15199.4     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510739.88     .1511209.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10739.8811209.82               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1317182.00   83313.36   526582.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1317182.00   83313.36   526582.80
  Q Total (cfs)           206224.30    Flow (cfs)              137767.70   11103.08   57353.48
  Top Width (ft)          15199.40    Top Width (ft)          10739.88     469.94    3989.58
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.58    Hydr. Depth (ft)          122.64     177.28     131.99
  Conv. Total (cfs)       480726100.0    Conv. (cfs)            321148100.0   25882200.0   133695800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10787.28     474.40    4058.32
  Min Ch El (ft)            571.30    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4745.74     314.86    1923.97
  C & E Loss (ft)             0.00    Cum SA (acres)             36.99       1.68      14.17


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1313.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.68  680.22  607.93  679.92  994.46  676.06 1013.22  676.09
  1292.8  677.95 1317.19  677.73 1988.92  667.17 2026.45   667.4 2187.81  669.82
 2229.09     670 2784.49     670 2837.03  669.26 3778.95  650.42 3850.25     650
 4475.08     650 4559.51  644.05 4574.52  642.55 4660.83     640 4773.41     640
 4863.48  636.83  5171.2  621.44 5268.77  619.41 5867.32  614.28 5978.03     614
  7756.8     614 7856.24   614.7 7903.15   614.7 8004.47     615 8353.47     615
 8353.47   611.5 8511.09   611.5 8511.09     610 9149.04     610 9321.67  608.58
 9745.72  603.63  9929.6  601.06 9944.61  600.8310132.25     60010740.18     600
10910.27   571.311010.27   571.311210.27     60011685.35  604.07 13300.6   609.5
13490.63  609.7313718.67  632.4313775.68  641.0313946.71  653.7814250.76   663.5
14402.78   662.214440.79  661.3314725.83  660.0814744.83  660.9814972.87  672.76
15200.91     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510740.18     .1511210.27     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10740.1811210.27               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1317225.00   83339.39   526704.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1317225.00   83339.39   526704.80
  Q Total (cfs)           206224.30    Flow (cfs)              137759.00   11105.44   57359.88
  Top Width (ft)          15200.91    Top Width (ft)          10740.18     470.09    3990.64
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.58    Hydr. Depth (ft)          122.64     177.28     131.99
  Conv. Total (cfs)       480774400.0    Conv. (cfs)            321160000.0   25890320.0   133724100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10787.58     474.54    4059.38
  Min Ch El (ft)            571.30    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4730.62     313.90    1917.92
  C & E Loss (ft)             0.00    Cum SA (acres)             36.87       1.68      14.13


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1312.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.69  680.22  607.95  679.92  994.49  676.06 1013.25  676.09
 1292.84  677.95 1317.23  677.73 1988.98  667.17 2026.51   667.4 2187.88  669.82
 2229.16     670 2784.57     670 2837.11  669.26 3779.06  650.42 3850.36     650
  4475.2     650 4559.64  644.04 4574.65  642.53 4660.96     640 4773.55     640
 4863.62  636.82 5171.34  621.43 5268.92  619.41 5867.49  614.28 5978.19     614
 7757.02     614 7856.46   614.7 7903.37   614.7  8004.7     615 8353.71     615
 8353.71  611.49 8511.33  611.49 8511.33     610  9149.3     610 9321.93  608.58
 9745.99  603.63 9929.88  601.05 9944.89  600.8310132.53     60010740.48     600
10910.72   571.311010.72   571.311210.72     60011685.93  604.0813301.61   609.5
13491.69  609.7313719.79  632.4813776.81  641.0713947.88  653.7914252.01  663.51
14404.08  662.1914442.09  661.3214727.22  660.0814746.22  660.9814974.32  672.78
```

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15202.42     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510740.48     .1511210.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10740.4811210.72               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1317270.00   83365.42   526815.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1317270.00   83365.42   526815.90
  Q Total (cfs)           206224.30    Flow (cfs)              137751.60   11107.91   57364.81
  Top Width (ft)          15202.42    Top Width (ft)          10740.48     470.24    3991.70
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.58    Hydr. Depth (ft)          122.65     177.28     131.98
  Conv. Total (cfs)       480818600.0    Conv. (cfs)            321172300.0   25898440.0   133747900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10787.88     474.69    4060.44
  Min Ch El (ft)            571.30    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4715.50     312.95    1911.88
  C & E Loss (ft)             0.00    Cum SA (acres)             36.75       1.67      14.08


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1312.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.71  680.22  607.97  679.92  994.52  676.05 1013.28  676.09
 1292.87  677.95 1317.27  677.73 1989.03  667.17 2026.56   667.4 2187.94  669.82
 2229.22     670 2784.65     670 2837.19  669.26 3779.17  650.42 3850.47     650
 4475.33     650 4559.77  644.02 4574.78  642.52  4661.1     640 4773.68     640
 4863.75  636.81 5171.49  621.43 5269.06  619.41 5867.65  614.28 5978.36     614
 7757.23     614 7856.69   614.7  7903.6   614.7 8004.93     615 8353.94     615
 8353.94  611.48 8511.57  611.48 8511.57     610 9149.56     610 9322.19  608.57
 9746.27  603.63 9930.16  601.05 9945.17  600.8210132.82     60010740.79     600
10911.18   571.311011.18   571.311211.18     60011686.51  604.0813302.62  609.51
13492.75  609.7313720.91  632.5313777.95  641.1213949.06   653.814253.27  663.52
14405.38  662.18 14443.4  661.32 14728.6  660.0814747.61  660.9914975.77  672.81
15203.93     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510740.79     .1511211.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10740.7911211.18               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1317320.00   83391.63   526920.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1317320.00   83391.63   526920.80
  Q Total (cfs)           206224.30    Flow (cfs)              137745.10   11110.41   57368.77
  Top Width (ft)          15203.93    Top Width (ft)          10740.79     470.39    3992.75
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.58    Hydr. Depth (ft)          122.65     177.28     131.97
  Conv. Total (cfs)       480862000.0    Conv. (cfs)            321186200.0   25906610.0   133769200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10788.19     474.84    4061.49
  Min Ch El (ft)            571.30    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4700.38     311.99    1905.83
  C & E Loss (ft)             0.00    Cum SA (acres)             36.62       1.67      14.03


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1311.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.73  680.22  607.99  679.92  994.55  676.05 1013.31  676.09
 1292.91  677.95  1317.3  677.73 1989.09  667.17 2026.62   667.4    2188  669.82
 2229.28     670 2784.73     670 2837.27  669.25 3779.27  650.41 3850.58     650
 4475.45     650  4559.9  644.01 4574.91  642.51 4661.23     640 4773.82     640
 4863.89  636.81 5171.63  621.42 5269.21  619.41 5867.82  614.28 5978.53     614
 7757.45     614 7856.91  614.71 7903.82  614.71 8005.15     615 8354.18     615
 8354.18  611.47  8511.8  611.47  8511.8     610 9149.82     610 9322.45  608.57
 9746.54  603.62 9930.44  601.04 9945.45  600.82 10133.1     60010741.09     600
10911.63  571.2911011.63  571.2911211.63     60011687.08  604.0913303.62  609.51
13493.81  609.7313722.02  632.5713779.08  641.1613950.24  653.8114254.53  663.53
14406.68  662.1814444.71  661.3114729.98  660.08   14749  660.9914977.22  672.84
15205.44     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510741.09     .1511211.63     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10741.0911211.63               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
```

```
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1317374.00   83420.69   527030.00
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1317374.00   83420.69   527030.00
  Q Total (cfs)          206224.30    Flow (cfs)              137738.10   11113.38   57372.84
  Top Width (ft)         15205.44    Top Width (ft)          10741.09     470.54    3993.81
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.59    Hydr. Depth (ft)          122.65     177.29     131.96
  Conv. Total (cfs)      480910300.0    Conv. (cfs)            321202000.0   25916160.0   133792200.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10788.49     474.99    4062.55
  Min Ch El (ft)           571.29    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     4685.26     311.03    1899.78
  C & E Loss (ft)            0.00    Cum SA (acres)             36.50       1.66      13.99


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                RS: 1311.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.74  680.22     608  679.92  994.57  676.05 1013.34  676.09
 1292.95  677.95 1317.34  677.73 1989.15  667.17 2026.68   667.4 2188.06  669.82
 2229.35     670  2784.8     670 2837.35  669.25 3779.38  650.41 3850.69     650
 4475.58     650 4560.02     644 4575.04   642.5 4661.36     640 4773.95     640
 4864.03   636.8 5171.78  621.41 5269.36  619.41 5867.98  614.27  5978.7     614
 7757.67     614 7857.13  614.71 7904.04  614.71 8005.38     615 8354.41     615
 8354.41  611.47 8512.04  611.47 8512.04     610 9150.07     610 9322.72  608.57
 9746.82  603.62 9930.72  601.04 9945.73  600.8110133.39    60010741.39     600
10912.08  571.2911012.08  571.2911212.08    60011687.66  604.0913304.63  609.51
13494.86  609.7313723.14  632.6213780.21  641.2113951.42  653.8214255.79  663.53
14407.98  662.1714446.02   661.314731.37  660.0814750.39  660.9914978.67  672.87
15206.95     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510741.39     .1511212.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10741.3911212.08               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1317420.00   83446.89   527150.40
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1317420.00   83446.89   527150.40
  Q Total (cfs)          206224.30    Flow (cfs)              137729.60   11115.76   57378.91
  Top Width (ft)         15206.95    Top Width (ft)          10741.39     470.69    3994.87
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.59    Hydr. Depth (ft)          122.65     177.29     131.96
  Conv. Total (cfs)      480959100.0    Conv. (cfs)            321214900.0   25924330.0   133819900.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10788.79     475.14    4063.60
  Min Ch El (ft)           571.29    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     4670.14     310.07    1893.73
  C & E Loss (ft)            0.00    Cum SA (acres)             36.38       1.65      13.94


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                RS: 1310.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.76  680.22  608.02  679.92   994.6  676.05 1013.37  676.09
 1292.98  677.95 1317.38  677.73  1989.2  667.17 2026.73   667.4 2188.12  669.82
 2229.41     670 2784.88     670 2837.43  669.25 3779.48  650.41  3850.8     650
 4475.71     650 4560.15  643.98 4575.17  642.48 4661.49     640 4774.09     640
 4864.16  636.79 5171.93   621.4 5269.51   619.4 5868.15  614.27 5978.87     614
 7757.89     614 7857.35  614.71 7904.26  614.71  8005.6     615 8354.65     615
 8354.65  611.46 8512.28  611.46 8512.28     610 9150.33     610 9322.98  608.57
 9747.09  603.62    9931  601.04 9946.01  600.8110133.67    60010741.69     600
10912.54  571.2911012.54  571.2911212.54    60011688.24  604.0913305.64  609.51
13495.92  609.7313724.26  632.6713781.34  641.25 13952.6  653.8314257.05  663.54
14409.28  662.1714447.33   661.314732.75  660.0814751.78  660.9914980.12  672.89
15208.46     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510741.69     .1511212.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10741.6911212.54               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1317468.00   83474.63   527268.00
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1317468.00   83474.63   527268.00
  Q Total (cfs)          206224.30    Flow (cfs)              137721.40   11118.34   57384.54
  Top Width (ft)         15208.46    Top Width (ft)          10741.69     470.85    3995.92
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.59    Hydr. Depth (ft)          122.65     177.29     131.95
  Conv. Total (cfs)      481007800.0    Conv. (cfs)            321228300.0   25932980.0   133846600.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10789.09     475.30    4064.65
  Min Ch El (ft)           571.29    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
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  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     4655.02     309.12    1887.68
  C & E Loss (ft)            0.00    Cum SA (acres)             36.25       1.65      13.90

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1310.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.78  680.21  608.04  679.92  994.63  676.05  1013.4  676.09
 1293.02  677.95 1317.41  677.73 1989.26  667.17 2026.79   667.4 2188.18  669.82
 2229.47     670 2784.96     670 2837.51  669.25 3779.59  650.41  3850.9     650
 4475.83     650 4560.28  643.97 4575.29  642.47 4661.62     640 4774.22     640
  4864.3  636.79 5172.07   621.4 5269.66   619.4 5868.31  614.27 5979.03     614
 7758.11     614 7857.57  614.71 7904.49  614.71 8005.83     615 8354.88     615
 8354.88  611.45 8512.52  611.45 8512.52     610 9150.59     610 9323.24  608.56
 9747.37  603.61 9931.28  601.03 9946.29  600.8110133.96     60010741.99     600
10912.99  571.2911012.99  571.2911212.99     60011688.82   604.113306.65  609.52
13496.98  609.7413725.38  632.7213782.48   641.313953.78  653.8314258.31  663.55
14410.57  662.1614448.64  661.2914734.14  660.0814753.17  660.9914981.57  672.92
15209.97     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510741.99     .1511212.99     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10741.9911212.99               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1317517.00   83500.83   527367.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1317517.00   83500.83   527367.10
  Q Total (cfs)           206224.30    Flow (cfs)              137715.70   11120.90   57387.66
  Top Width (ft)          15209.97    Top Width (ft)          10741.99     471.00    3996.98
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.59    Hydr. Depth (ft)          122.65     177.28     131.94
  Conv. Total (cfs)       481048900.0    Conv. (cfs)             321242500.0   25941150.0   133865300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10789.39     475.44    4065.71
  Min Ch El (ft)            571.29    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     4639.90     308.16    1881.63
  C & E Loss (ft)            0.00    Cum SA (acres)             36.13       1.64      13.85

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1309.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.79  680.21  608.05  679.92  994.66  676.05 1013.42  676.09
 1293.05  677.95 1317.45  677.73 1989.31  667.17 2026.85   667.4 2188.25  669.82
 2229.53     670 2785.04     670 2837.59  669.25  3779.7  650.41 3851.01     650
 4475.96     650 4560.41  643.96 4575.42  642.46 4661.75     640 4774.35     640
 4864.44  636.78 5172.22  621.39 5269.81   619.4 5868.48  614.27  5979.2     614
 7758.33     614 7857.79  614.71 7904.71  614.71 8006.05     615 8355.12     615
 8355.12  611.44 8512.76  611.44 8512.76     610 9150.84     610  9323.5  608.56
 9747.64  603.61 9931.56  601.03 9946.57   600.810134.24     600 10742.3     600
10913.44  571.2911013.44  571.2911213.44     600 11689.4   604.113307.65  609.52
13498.04  609.74 13726.5  632.7713783.61  641.3413954.96  653.8414259.57  663.56
14411.87  662.1514449.95  661.2814735.52  660.0814754.56     66114983.02  672.95
15211.48     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10742.3     .1511213.44     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10742.311213.44                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1317563.00   83525.33   527485.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1317563.00   83525.33   527485.20
  Q Total (cfs)           206224.30    Flow (cfs)              137707.70   11123.09   57393.53
  Top Width (ft)          15211.48    Top Width (ft)          10742.30     471.14    3998.04
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.59    Hydr. Depth (ft)          122.65     177.28     131.94
  Conv. Total (cfs)       481095600.0    Conv. (cfs)             321254900.0   25948790.0   133892000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10789.71     475.58    4066.77
  Min Ch El (ft)            571.29    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     4624.77     307.20    1875.57
  C & E Loss (ft)            0.00    Cum SA (acres)             36.01       1.64      13.81

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1309.*
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INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.81  680.21  608.07  679.92  994.68  676.05 1013.45  676.09
 1293.09  677.95 1317.49  677.73 1989.37  667.17 2026.91   667.4 2188.31  669.82
  2229.6     670 2785.12     670 2837.67  669.25  3779.8   650.4 3851.12     650
 4476.08     650 4560.54  643.95 4575.55  642.44 4661.88     640 4774.49     640
 4864.57  636.77 5172.36  621.38 5269.95   619.4 5868.64  614.27 5979.37     614
 7758.54     614 7858.01  614.71 7904.93  614.71 8006.28     615 8355.35     615
 8355.35  611.44    8513  611.44    8513     610  9151.1     610 9323.76  608.56
 9747.91  603.61 9931.84  601.02 9946.85   600.810134.53     600 10742.6     600
 10913.9  571.29 11013.9  571.29 11213.9     60011689.98  604.1113308.66  609.52
13499.09  609.7413727.61  632.8213784.74  641.3913956.13  653.8514260.83  663.56
14413.17  662.1514451.26  661.2814736.91  660.0814755.95     66114984.47  672.98
15212.99     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10742.6     .15 11213.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10742.6 11213.9               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1317611.00   83553.23   527590.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1317611.00   83553.23   527590.80
  Q Total (cfs)           206224.30    Flow (cfs)              137700.90   11125.81   57397.54
  Top Width (ft)          15212.99    Top Width (ft)          10742.60     471.30    3999.09
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.59    Hydr. Depth (ft)          122.65     177.28     131.93
  Conv. Total (cfs)       481139700.0    Conv. (cfs)            321268600.0   25957500.0   133913600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10790.01     475.74    4067.82
  Min Ch El (ft)            571.29    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4609.65     306.24    1869.52
  C & E Loss (ft)             0.00    Cum SA (acres)             35.88       1.63      13.76


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1308.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.83  680.21  608.09  679.92  994.71  676.05 1013.48  676.09
 1293.13  677.95 1317.53  677.72 1989.43  667.17 2026.96   667.4 2188.37  669.83
 2229.66     670  2785.2     670 2837.75  669.25 3779.91   650.4 3851.23     650
 4476.21     650 4560.67  643.93 4575.68  642.43 4662.01     640 4774.62     640
 4864.71  636.76 5172.51  621.37  5270.1   619.4 5868.81  614.27 5979.54     614
 7758.76     614 7858.23  614.71 7905.15  614.71  8006.5     615 8355.59     615
 8355.59  611.43 8513.24  611.43 8513.24     610 9151.36     610 9324.03  608.55
 9748.19   603.6 9932.12  601.02 9947.13  600.7910134.81     600 10742.9     600
10914.35  571.2911014.35  571.2911214.35     60011690.56  604.1113309.67  609.52
13500.15  609.7413728.73  632.8613785.88  641.4413957.31  653.8614262.08  663.57
14414.47  662.1414452.57  661.2714738.29  660.0814757.34     66114985.92     673
 15214.5     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10742.9     .1511214.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10742.911214.35               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1317664.00   83579.09   527712.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1317664.00   83579.09   527712.80
  Q Total (cfs)           206224.30    Flow (cfs)              137692.80   11128.06   57403.49
  Top Width (ft)          15214.50    Top Width (ft)          10742.90     471.45    4000.15
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.59    Hydr. Depth (ft)          122.65     177.28     131.92
  Conv. Total (cfs)       481191700.0    Conv. (cfs)            321284200.0   25965560.0   133942000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10790.31     475.89    4068.88
  Min Ch El (ft)            571.29    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4594.52     305.28    1863.46
  C & E Loss (ft)             0.00    Cum SA (acres)             35.76       1.63      13.71


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1308.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.84  680.21  608.11  679.92  994.74  676.05 1013.51  676.09
 1293.16  677.95 1317.56  677.72 1989.48  667.17 2027.02  667.41 2188.43  669.83
 2229.72     670 2785.27     670 2837.83  669.24 3780.02   650.4 3851.34     650
 4476.33     650 4560.79  643.92 4575.81  642.42 4662.14     640 4774.76     640
 4864.85  636.76 5172.65  621.37 5270.25   619.4 5868.97  614.27 5979.71     614
 7758.98     614 7858.45  614.72 7905.38  614.72 8006.73     615 8355.82     615
 8355.82  611.42 8513.48  611.42 8513.48     610 9151.62     610 9324.29  608.55
 9748.46   603.6 9932.39  601.01 9947.41  600.79 10135.1     600 10743.2     600
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 10914.8  571.28 11014.8  571.28 11214.8     60011691.14  604.1213310.67  609.53
13501.21  609.7413729.85  632.9113787.01  641.4813958.49  653.8714263.34  663.58
14415.77  662.1414453.88  661.2614739.68  660.0814758.73     66114987.37  673.03
15216.01     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10743.2     .15 11214.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10743.2 11214.8               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1317708.00   83608.14   527811.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1317708.00   83608.14   527811.60
  Q Total (cfs)           206224.30    Flow (cfs)              137686.40   11131.23   57406.70
  Top Width (ft)          15216.01    Top Width (ft)          10743.20     471.60    4001.21
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.60    Hydr. Depth (ft)          122.66     177.29     131.91
  Conv. Total (cfs)       481231300.0    Conv. (cfs)            321295800.0   25975090.0   133960500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10790.61     476.04    4069.94
  Min Ch El (ft)            571.28    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4579.40     304.32    1857.40
  C & E Loss (ft)             0.00    Cum SA (acres)             35.64       1.62      13.67


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1307.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.86  680.21  608.12  679.92  994.77  676.05 1013.54  676.09
  1293.2  677.95  1317.6  677.72 1989.54  667.16 2027.08  667.41 2188.49  669.83
 2229.78     670 2785.35     670 2837.91  669.24 3780.12   650.4 3851.44     650
 4476.46     650 4560.92  643.91 4575.94  642.41 4662.28     640 4774.89     640
 4864.98  636.75  5172.8  621.36  5270.4   619.4 5869.14  614.26 5979.88     614
  7759.2     614 7858.67  614.72  7905.6  614.72 8006.95     615 8356.06     615
 8356.06  611.41 8513.72  611.41 8513.72     610 9151.87     610 9324.55  608.55
 9748.74   603.6 9932.67  601.01 9947.69  600.7810135.38     600 10743.5     600
10915.26  571.2811015.26  571.2811215.26     60011691.72  604.1213311.68  609.53
13502.27  609.7413730.97  632.9613788.14  641.5313959.67  653.87 14264.6  663.59
14417.07  662.1314455.19  661.2614741.06  660.0814760.12     66114988.82  673.06
15217.52     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10743.5     .1511215.26     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10743.511215.26               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1317759.00   83636.05   527928.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1317759.00   83636.05   527928.90
  Q Total (cfs)           206224.30    Flow (cfs)              137678.40   11133.79   57412.12
  Top Width (ft)          15217.52    Top Width (ft)          10743.50     471.76    4002.26
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.60    Hydr. Depth (ft)          122.66     177.29     131.91
  Conv. Total (cfs)       481281600.0    Conv. (cfs)            321310700.0   25983800.0   133987100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10790.91     476.20    4070.99
  Min Ch El (ft)            571.28    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4564.27     303.36    1851.34
  C & E Loss (ft)             0.00    Cum SA (acres)             35.51       1.62      13.62


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1307.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.88  680.21  608.14  679.92   994.8  676.05 1013.57  676.09
 1293.24  677.95 1317.64  677.72 1989.59  667.16 2027.13  667.41 2188.55  669.83
 2229.85     670 2785.43     670 2837.99  669.24 3780.23   650.4 3851.55     650
 4476.59     650 4561.05   643.9 4576.07  642.39 4662.41     640 4775.03     640
 4865.12  636.74 5172.94  621.35 5270.55   619.4  5869.3  614.26 5980.04     614
 7759.42     614  7858.9  614.72 7905.82  614.72 8007.18     615 8356.29     615
 8356.29   611.4 8513.96   611.4 8513.96     610 9152.13     610 9324.81  608.54
 9749.01  603.59 9932.95  601.01 9947.97  600.7810135.67     60010743.81     600
10915.71  571.2811015.71  571.2811215.71     600 11692.3  604.1313312.69  609.53
13503.32  609.7413732.08  633.0113789.28  641.5713960.85  653.8814265.86   663.6
14418.37  662.12 14456.5  661.2514742.45  660.0814761.51  661.0114990.27  673.09
15219.03     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510743.81     .1511215.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10743.8111215.71               .5      .5      .5             .1       .3
```

```
CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1317810.00   83660.55   528036.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1317810.00   83660.55   528036.40
  Q Total (cfs)           206224.30    Flow (cfs)              137671.90   11136.04   57416.33
  Top Width (ft)          15219.03    Top Width (ft)          10743.81     471.90    4003.32
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.10       0.13       0.11
  Max Chl Dpth (ft)         188.60    Hydr. Depth (ft)          122.66     177.28     131.90
  Conv. Total (cfs)       481326000.0    Conv. (cfs)            321325200.0   25991440.0   134009300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10791.22     476.33    4072.05
  Min Ch El (ft)            571.28    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4549.15     302.40    1845.28
  C & E Loss (ft)             0.00    Cum SA (acres)             35.39       1.61      13.58


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1306.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.89  680.21  608.16  679.92  994.82  676.05  1013.6  676.09
 1293.27  677.96 1317.67  677.72 1989.65  667.16 2027.19  667.41 2188.61  669.83
 2229.91     670 2785.51     670 2838.07  669.24 3780.33  650.39 3851.66     650
 4476.71     650 4561.18  643.88 4576.19  642.38 4662.54     640 4775.16     640
 4865.26  636.74 5173.09  621.35 5270.69  619.39 5869.47  614.26 5980.21     614
 7759.63     614 7859.12  614.72 7906.04  614.72  8007.4     615 8356.53     615
 8356.53   611.4  8514.2   611.4  8514.2     610 9152.39     610 9325.08  608.54
 9749.28  603.59 9933.23     601 9948.25  600.7810135.95     60010744.11     600
10916.16  571.2811016.16  571.2811216.16     60011692.88  604.13 13313.7  609.53
13504.38  609.75 13733.2  633.0613790.41  641.6213962.02  653.8914267.12   663.6
14419.67  662.12 14457.8  661.2414743.83  660.08 14762.9  661.0114991.72  673.11
15220.54     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510744.11     .1511216.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10744.1111216.16               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1317857.00   83686.59   528155.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1317857.00   83686.59   528155.90
  Q Total (cfs)           206224.30    Flow (cfs)              137663.60   11138.40   57422.27
  Top Width (ft)          15220.54    Top Width (ft)          10744.11     472.05    4004.38
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.10       0.13       0.11
  Max Chl Dpth (ft)         188.60    Hydr. Depth (ft)          122.66     177.28     131.89
  Conv. Total (cfs)       481374400.0    Conv. (cfs)            321338200.0   25999560.0   134036600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10791.52     476.48    4073.11
  Min Ch El (ft)            571.28    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4534.02     301.44    1839.22
  C & E Loss (ft)             0.00    Cum SA (acres)             35.27       1.61      13.53


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1306.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.91  680.21  608.17  679.92  994.85  676.05 1013.62  676.09
 1293.31  677.96 1317.71  677.72 1989.71  667.16 2027.25  667.41 2188.68  669.83
 2229.97     670 2785.59     670 2838.15  669.24 3780.44  650.39 3851.77     650
 4476.84     650 4561.31  643.87 4576.32  642.37 4662.67     640 4775.29     640
 4865.39  636.73 5173.23  621.34 5270.84  619.39 5869.63  614.26 5980.38     614
 7759.85     614 7859.34  614.72 7906.26  614.72 8007.63     615 8356.76     615
 8356.76  611.39 8514.44  611.39 8514.44     610 9152.65     610 9325.34  608.54
 9749.56  603.59 9933.51     601 9948.53  600.7710136.24     60010744.41     600
10916.62  571.2811016.62  571.2811216.62     60011693.45  604.14 13314.7  609.54
13505.44  609.7513734.32  633.1113791.54  641.66 13963.2   653.914268.38  663.61
14420.97  662.1114459.11  661.2414745.22  660.0814764.29  661.0114993.17  673.14
15222.05     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510744.41     .1511216.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10744.4111216.62               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1317901.00   83714.49   528252.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1317901.00   83714.49   528252.50
  Q Total (cfs)           206224.30    Flow (cfs)              137657.80   11141.24   57425.31
  Top Width (ft)          15222.05    Top Width (ft)          10744.41     472.21    4005.43
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.10       0.13       0.11
  Max Chl Dpth (ft)         188.60    Hydr. Depth (ft)          122.66     177.28     131.88
  Conv. Total (cfs)       481413000.0    Conv. (cfs)            321350200.0   26008260.0   134054500.0
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  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10791.82     476.64    4074.16
  Min Ch El (ft)           571.28    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     4518.90     300.48    1833.16
  C & E Loss (ft)            0.00    Cum SA (acres)             35.14       1.60      13.48


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1305.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.93   680.2  608.19  679.92  994.88  676.05 1013.65  676.09
 1293.35  677.96 1317.75  677.72 1989.76  667.16  2027.3  667.41 2188.74  669.83
 2230.03     670 2785.67     670 2838.23  669.24 3780.55  650.39 3851.88     650
 4476.96     650 4561.44  643.86 4576.45  642.35  4662.8     640 4775.43     640
 4865.53  636.72 5173.38  621.33 5270.99  619.39  5869.8  614.26 5980.55     614
 7760.07     614 7859.56  614.72 7906.49  614.72 8007.85     615    8357     615
    8357  611.38 8514.68  611.38 8514.68     610  9152.9     610  9325.6  608.53
 9749.83  603.59 9933.79  600.99 9948.81  600.7710136.52     60010744.71     600
10917.07  571.2811017.07  571.2811217.07     60011694.03  604.1413315.71  609.54
 13506.5  609.7513735.44  633.1513792.67  641.7113964.38  653.9114269.64  663.62
14422.27  662.1114460.42  661.23 14746.6  660.0814765.68  661.0114994.62  673.17
15223.57     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510744.71     .1511217.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10744.7111217.07               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1317952.00   83740.70   528371.80
  E.G. Slope (ft/ft)      0.000000   Area (sq ft)            1317952.00   83740.70   528371.80
  Q Total (cfs)           206224.30   Flow (cfs)              137649.80   11143.58   57430.92
  Top Width (ft)          15223.57   Top Width (ft)           10744.71     472.36    4006.50
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.60    Hydr. Depth (ft)           122.66     177.28     131.88
  Conv. Total (cfs)       481462800.0    Conv. (cfs)           321364900.0   26016430.0   134081400.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10792.12     476.79    4075.23
  Min Ch El (ft)           571.28    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     4503.77     299.52    1827.09
  C & E Loss (ft)            0.00    Cum SA (acres)             35.02       1.59      13.44


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1305.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.95   680.2  608.21  679.92  994.91  676.05 1013.68  676.09
 1293.38  677.96 1317.78  677.72 1989.82  667.16 2027.36  667.41  2188.8  669.83
  2230.1     670 2785.74     670 2838.31  669.23 3780.65  650.39 3851.99     650
 4477.09     650 4561.56  643.84 4576.58  642.34 4662.93     640 4775.56     640
 4865.67  636.72 5173.53  621.32 5271.14  619.39 5869.96  614.26 5980.72     614
 7760.29     614 7859.78  614.73 7906.71  614.73 8008.08     615 8357.23     615
 8357.23  611.37 8514.92  611.37 8514.92     610 9153.16     610 9325.86  608.53
 9750.11  603.58 9934.07  600.99 9949.09  600.7610136.81     60010745.01     600
10917.52  571.2711017.52  571.2711217.52     60011694.61  604.1513316.72  609.54
13507.55  609.7513736.56   633.213793.81  641.7513965.56  653.92 14270.9  663.63
14423.57   662.114461.73  661.2214747.99  660.0814767.07  661.0214996.07   673.2
15225.08     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510745.01     .1511217.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10745.0111217.52               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1318001.00   83769.59   528479.40
  E.G. Slope (ft/ft)      0.000000   Area (sq ft)            1318001.00   83769.59   528479.40
  Q Total (cfs)           206224.30   Flow (cfs)              137642.70   11146.59   57434.99
  Top Width (ft)          15225.08   Top Width (ft)           10745.01     472.51    4007.56
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.61    Hydr. Depth (ft)           122.66     177.29     131.87
  Conv. Total (cfs)       481508600.0    Conv. (cfs)           321379000.0   26025930.0   134103700.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10792.42     476.94    4076.29
  Min Ch El (ft)           571.27    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     4488.64     298.56    1821.03
  C & E Loss (ft)            0.00    Cum SA (acres)             34.90       1.59      13.39


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 1304.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  596.96   680.2  608.23  679.92  994.94  676.05 1013.71  676.09
  1293.42  677.96 1317.82  677.72 1989.87  667.16 2027.42  667.41 2188.86  669.83
  2230.16     670 2785.82     670 2838.39  669.23 3780.76  650.38 3852.09     650
  4477.22     650 4561.69  643.83 4576.71  642.33 4663.06     640  4775.7     640
   4865.8  636.71 5173.67  621.32 5271.29  619.39 5870.13  614.26 5980.88     614
  7760.51     614    7860  614.73 7906.93  614.73  8008.3     615 8357.47     615
  8357.47  611.37 8515.16  611.37 8515.16     610 9153.42     610 9326.12  608.53
  9750.38  603.58 9934.35  600.98 9949.37  600.7610137.09     60010745.32     600
 10917.98  571.2711017.98  571.2711217.98     60011695.19  604.1513317.72  609.54
 13508.61  609.7513737.67  633.2513794.94   641.813966.74  653.9214272.16  663.63
 14424.86  662.0914463.04  661.2214749.37  660.0814768.46  661.0214997.52  673.22
 15226.59     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1510745.32     .1511217.98     .15

Bank Sta: Left   Right     Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10745.3211217.98                .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1318048.00   83795.80   528601.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1318048.00   83795.80   528601.00
  Q Total (cfs)           206224.30    Flow (cfs)              137634.10   11148.94   57441.23
  Top Width (ft)          15226.59    Top Width (ft)          10745.32     472.66    4008.61
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.61    Hydr. Depth (ft)          122.66     177.29     131.87
  Conv. Total (cfs)       481558300.0    Conv. (cfs)             321392100.0   26034100.0   134132100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10792.73     477.09    4077.34
  Min Ch El (ft)            571.27    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4473.51     297.60    1814.96
  C & E Loss (ft)             0.00    Cum SA (acres)             34.77       1.58      13.35


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1304.*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  596.98   680.2  608.24  679.92  994.96  676.05 1013.74  676.09
  1293.45  677.96 1317.86  677.72 1989.93  667.16 2027.48  667.41 2188.92  669.83
  2230.22     670  2785.9     670 2838.47  669.23 3780.87  650.38  3852.2     650
  4477.34     650 4561.82  643.82 4576.84  642.32 4663.19     640 4775.83     640
  4865.94   636.7 5173.82  621.31 5271.44  619.39 5870.29  614.25 5981.05     614
  7760.73     614 7860.22  614.73 7907.15  614.73 8008.53     615  8357.7     615
   8357.7  611.36  8515.4  611.36  8515.4     610 9153.68     610 9326.39  608.53
  9750.65  603.58 9934.63  600.98 9949.65  600.7610137.38     60010745.62     600
 10918.43  571.2711018.43  571.2711218.43     60011695.77  604.1613318.73  609.55
 13509.67  609.7513738.79   633.313796.07  641.8413967.92  653.9314273.41  663.64
 14426.16  662.0914464.35  661.2114750.75  660.0814769.85  661.0214998.97  673.25
  15228.1     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1510745.62     .1511218.43     .15

Bank Sta: Left   Right     Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10745.6211218.43                .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1318095.00   83821.84   528699.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1318095.00   83821.84   528699.80
  Q Total (cfs)           206224.30    Flow (cfs)              137628.40   11151.50   57444.42
  Top Width (ft)          15228.10    Top Width (ft)          10745.62     472.81    4009.67
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.61    Hydr. Depth (ft)          122.66     177.28     131.86
  Conv. Total (cfs)       481598000.0    Conv. (cfs)             321405200.0   26042220.0   134150600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10793.03     477.23    4078.40
  Min Ch El (ft)            571.27    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4458.38     296.63    1808.89
  C & E Loss (ft)             0.00    Cum SA (acres)             34.65       1.58      13.30


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1303.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720     597   680.2  608.26  679.92  994.99  676.05 1013.77  676.09
  1293.49  677.96  1317.9  677.72 1989.99  667.16 2027.53  667.41 2188.98  669.83
  2230.29     670 2785.98     670 2838.55  669.23 3780.97  650.38 3852.31     650
  4477.47     650 4561.95  643.81 4576.97   642.3 4663.32     640 4775.97     640
  4866.08   636.7 5173.96   621.3 5271.58  619.39 5870.46  614.25 5981.22     614
```

```
 7760.94     614 7860.44  614.73 7907.38  614.73 8008.75     615 8357.94     615
 8357.94  611.35 8515.64  611.35 8515.64     610 9153.93     610 9326.65  608.52
 9750.93  603.57 9934.91  600.98 9949.93  600.7510137.66     60010745.92     600
10918.88  571.2711018.88  571.2711218.88     60011696.35  604.1613319.74  609.55
13510.72  609.7513739.91  633.3513797.21  641.8913969.09  653.9414274.67  663.65
14427.46  662.0814465.66   661.214752.14  660.0814771.24  661.0215000.42  673.28
15229.61     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510745.92     .1511218.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10745.9211218.88               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1318144.00   83848.04   528817.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1318144.00   83848.04   528817.70
  Q Total (cfs)           206224.30    Flow (cfs)              137620.40   11153.87   57450.01
  Top Width (ft)          15229.61    Top Width (ft)          10745.92     472.96    4010.73
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.61    Hydr. Depth (ft)          122.66     177.28     131.85
  Conv. Total (cfs)       481646700.0    Conv. (cfs)             321419000.0   26050390.0   134177200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10793.33     477.38    4079.46
  Min Ch El (ft)            571.27    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4443.25     295.67    1802.83
  C & E Loss (ft)             0.00    Cum SA (acres)             34.53       1.57      13.25


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1303.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.01   680.2  608.28  679.92  995.02  676.05 1013.79  676.09
 1293.53  677.96 1317.93  677.72 1990.04  667.16 2027.59  667.41 2189.05  669.84
 2230.35     670 2786.06     670 2838.62  669.23 3781.08  650.38 3852.42     650
 4477.59     650 4562.08  643.79  4577.1  642.29 4663.46     640  4776.1     640
 4866.21  636.69 5174.11  621.29 5271.73  619.39 5870.62  614.25 5981.39     614
 7761.16     614 7860.66  614.73  7907.6  614.73 8008.98     615 8358.17     615
 8358.17  611.34 8515.88  611.34 8515.88     610 9154.19     610 9326.91  608.52
  9751.2  603.57 9935.19  600.97 9950.21  600.7510137.95     60010746.22     600
10919.33  571.2711019.33  571.2711219.33     60011696.93  604.1613320.75  609.55
13511.78  609.7613741.03   633.413798.34  641.9313970.27  653.9514275.93  663.66
14428.76  662.0814466.97   661.214753.52  660.0714772.63  661.0215001.87  673.31
15231.12     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510746.22     .1511219.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10746.2211219.33               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1318188.00   83874.24   528933.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1318188.00   83874.24   528933.80
  Q Total (cfs)           206224.30    Flow (cfs)              137612.40   11156.30   57455.61
  Top Width (ft)          15231.12    Top Width (ft)          10746.22     473.11    4011.79
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.61    Hydr. Depth (ft)          122.67     177.28     131.84
  Conv. Total (cfs)       481692600.0    Conv. (cfs)             321430900.0   26058560.0   134203100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10793.63     477.53    4080.52
  Min Ch El (ft)            571.27    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4428.12     294.71    1796.75
  C & E Loss (ft)             0.00    Cum SA (acres)             34.40       1.57      13.21


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1302.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.03   680.2  608.29  679.92  995.05  676.05 1013.82  676.09
 1293.56  677.96 1317.97  677.72  1990.1  667.16 2027.65  667.41 2189.11  669.84
 2230.41     670 2786.14     670  2838.7  669.23 3781.19  650.38 3852.53     650
 4477.72     650  4562.2  643.78 4577.22  642.28 4663.59     640 4776.23     640
 4866.35  636.68 5174.25  621.29 5271.88  619.38 5870.79  614.25 5981.56     614
 7761.38     614 7860.88  614.73 7907.82  614.73  8009.2     615 8358.41     615
 8358.41  611.34 8516.11  611.34 8516.11     610 9154.45     610 9327.17  608.52
 9751.48  603.57 9935.47  600.97 9950.49  600.7410138.23     60010746.53     600
10919.79  571.2711019.79  571.2711219.79     60011697.51  604.1713321.75  609.55
13512.84  609.7613742.14  633.4413799.47  641.9813971.45  653.9614277.19  663.66
14430.06  662.0714468.28  661.1914754.91  660.0714774.02  661.0315003.32  673.33
15232.63     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510746.53     .1511219.79     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10746.5311219.79               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1318234.00   83900.28   529044.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1318234.00   83900.28   529044.30
  Q Total (cfs)           206224.30    Flow (cfs)              137605.00   11158.75   57460.49
  Top Width (ft)          15232.63    Top Width (ft)          10746.53     473.26    4012.84
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.10       0.13       0.11
  Max Chl Dpth (ft)         188.61    Hydr. Depth (ft)          122.67     177.28     131.84
  Conv. Total (cfs)       481736900.0    Conv. (cfs)            321443300.0   26066680.0   134226800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10793.94     477.68    4081.57
  Min Ch El (ft)            571.27    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4412.99     293.75    1790.68
  C & E Loss (ft)             0.00    Cum SA (acres)             34.28       1.56      13.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1302.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.05   680.2  608.31  679.92  995.08  676.05 1013.85  676.09
  1293.6  677.96 1318.01  677.72 1990.15  667.15  2027.7  667.42 2189.17  669.84
 2230.47     670 2786.21     670 2838.78  669.22 3781.29  650.37 3852.64     650
 4477.84     650 4562.33  643.77 4577.35  642.26 4663.72     640 4776.37     640
 4866.49  636.68  5174.4  621.28 5272.03  619.38 5870.95  614.25 5981.73     614
  7761.6     614 7861.11  614.73 7908.04  614.73 8009.43     615 8358.64     615
 8358.64  611.33 8516.35  611.33 8516.35     610 9154.71     610 9327.44  608.51
 9751.75  603.56 9935.75  600.96 9950.77  600.7410138.52     60010746.83     600
10920.24  571.2711020.24  571.2711220.24     60011698.09  604.1713322.76  609.56
 13513.9  609.7613743.26  633.49 13800.6  642.0213972.63  653.9614278.45  663.67
14431.36  662.0614469.59  661.1814756.29  660.0714775.41  661.0315004.77  673.36
15234.14     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510746.83     .1511220.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10746.8311220.24               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1318295.00   83926.48   529156.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1318295.00   83926.48   529156.80
  Q Total (cfs)           206224.30    Flow (cfs)              137598.50   11161.06   57464.75
  Top Width (ft)          15234.14    Top Width (ft)          10746.83     473.41    4013.90
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.10       0.13       0.11
  Max Chl Dpth (ft)         188.61    Hydr. Depth (ft)          122.67     177.28     131.83
  Conv. Total (cfs)       481788400.0    Conv. (cfs)            321462400.0   26074850.0   134251200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10794.25     477.83    4082.63
  Min Ch El (ft)            571.27    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4397.86     292.78    1784.61
  C & E Loss (ft)             0.00    Cum SA (acres)             34.16       1.56      13.12


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1301.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.06   680.2  608.33  679.92   995.1  676.05 1013.88  676.09
 1293.64  677.96 1318.04  677.72 1990.21  667.15 2027.76  667.42 2189.23  669.84
 2230.54     670 2786.29     670 2838.86  669.22  3781.4  650.37 3852.74     650
 4477.97     650 4562.46  643.75 4577.48  642.25 4663.85     640  4776.5     640
 4866.62  636.67 5174.54  621.27 5272.18  619.38 5871.12  614.25 5981.89     614
 7761.82     614 7861.33  614.74 7908.27  614.74 8009.65     615 8358.88     615
 8358.88  611.32 8516.59  611.32 8516.59     610 9154.96     610  9327.7  608.51
 9752.03  603.56 9936.03  600.96 9951.05  600.73 10138.8     60010747.13     600
 10920.7  571.26 11020.7  571.26 11220.7     60011698.67  604.1813323.77  609.56
13514.96  609.7613744.38  633.5413801.74  642.0713973.81  653.9714279.71  663.68
14432.66  662.06 14470.9  661.1714757.68  660.07 14776.8  661.0315006.22  673.39
15235.65     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510747.13     .15 11220.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10747.13 11220.7               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1318339.00   83957.26   529261.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1318339.00   83957.26   529261.90
  Q Total (cfs)           206224.30    Flow (cfs)              137591.20   11164.37   57468.76
  Top Width (ft)          15235.65    Top Width (ft)          10747.13     473.57    4014.95
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```
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.62    Hydr. Depth (ft)          122.67     177.29     131.82
  Conv. Total (cfs)       481831600.0    Conv. (cfs)            321474100.0   26084930.0   134272600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10794.55     477.99    4083.68
  Min Ch El (ft)            571.26    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4382.73     291.82    1778.53
  C & E Loss (ft)             0.00    Cum SA (acres)             34.03       1.55      13.07


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1301.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.08  680.19  608.35  679.92  995.13  676.05 1013.91  676.09
 1293.67  677.96 1318.08  677.72 1990.27  667.15 2027.82  667.42 2189.29  669.84
  2230.6     670 2786.37     670 2838.94  669.22  3781.5  650.37 3852.85     650
  4478.1     650 4562.59  643.74 4577.61  642.24 4663.98     640 4776.64     640
 4866.76  636.66 5174.69  621.27 5272.33  619.38 5871.28  614.25 5982.06     614
 7762.03     614 7861.55  614.74 7908.49  614.74 8009.88     615 8359.11     615
 8359.11  611.31 8516.83  611.31 8516.83     610 9155.22     610 9327.96  608.51
  9752.3  603.56  9936.3  600.96 9951.33  600.7310139.09     60010747.43     600
10921.15  571.2611021.15  571.2611221.15     60011699.25  604.1813324.77  609.56
13516.01  609.76 13745.5  633.5913802.87  642.1113974.99  653.9814280.97  663.69
14433.96  662.0514472.21  661.1714759.06  660.0714778.19  661.0315007.67  673.42
15237.16     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510747.43     .1511221.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10747.4311221.15               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1318383.00   83983.47   529379.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1318383.00   83983.47   529379.30
  Q Total (cfs)           206224.30    Flow (cfs)              137583.00   11166.79   57474.50
  Top Width (ft)          15237.16    Top Width (ft)          10747.43     473.72    4016.01
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.62    Hydr. Depth (ft)          122.67     177.28     131.82
  Conv. Total (cfs)       481878300.0    Conv. (cfs)            321486200.0   26093100.0   134299000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10794.85     478.14    4084.74
  Min Ch El (ft)            571.26    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4367.59     290.86    1772.46
  C & E Loss (ft)             0.00    Cum SA (acres)             33.91       1.55      13.02


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1300.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   597.1  680.19  608.36  679.92  995.16  676.05 1013.94  676.09
 1293.71  677.96 1318.12  677.72 1990.32  667.15 2027.87  667.42 2189.35  669.84
 2230.66     670 2786.45     670 2839.02  669.22 3781.61  650.37 3852.96     650
 4478.22     650 4562.72  643.73 4577.74  642.23 4664.11     640 4776.77     640
  4866.9  636.66 5174.83  621.26 5272.47  619.38 5871.45  614.24 5982.23     614
 7762.25     614 7861.77  614.74 7908.71  614.74  8010.1     615 8359.35     615
 8359.35  611.31 8517.07  611.31 8517.07     610 9155.48     610 9328.22   608.5
 9752.57  603.55 9936.58  600.95 9951.61  600.7310139.37     60010747.73     600
 10921.6  571.26 11021.6  571.26 11221.6     60011699.82  604.1913325.78  609.56
13517.07  609.7613746.62  633.64   13804  642.1613976.16  653.9914282.23  663.69
14435.26  662.0514473.51  661.1614760.45  660.0714779.58  661.0315009.12  673.44
15238.67     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510747.73     .15 11221.6     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10747.73 11221.6               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1318433.00   84009.34   529490.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1318433.00   84009.34   529490.30
  Q Total (cfs)           206224.30    Flow (cfs)              137576.00   11169.17   57479.14
  Top Width (ft)          15238.67    Top Width (ft)          10747.73     473.87    4017.07
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.62    Hydr. Depth (ft)          122.67     177.28     131.81
  Conv. Total (cfs)       481924400.0    Conv. (cfs)            321500600.0   26101170.0   134322700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10795.15     478.28    4085.80
  Min Ch El (ft)            571.26    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4352.46     289.89    1766.38
  C & E Loss (ft)             0.00    Cum SA (acres)             33.79       1.54      12.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1300.*

INPUT
Description:
Station Elevation Data     num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.11  680.19  608.38  679.92  995.19  676.05 1013.97  676.09
 1293.75  677.96 1318.16  677.71 1990.38  667.15 2027.93  667.42 2189.41  669.84
 2230.72     670 2786.53     670  2839.1  669.22 3781.72  650.37 3853.07     650
 4478.35     650 4562.85  643.72 4577.87  642.21 4664.24     640 4776.91     640
 4867.04  636.65 5174.98  621.25 5272.62  619.38 5871.61  614.24  5982.4     614
 7762.47     614 7861.99  614.74 7908.93  614.74 8010.33     615 8359.58     615
 8359.58   611.3 8517.31   611.3 8517.31     610 9155.73     610 9328.48   608.5
 9752.85  603.55 9936.86  600.95 9951.89  600.7210139.66     60010748.04     600
10922.05  571.2611022.05  571.2611222.05     600 11700.4  604.1913326.79  609.57
13518.13  609.7613747.73  633.6913805.14  642.2113977.34     65414283.48   663.7
14436.56  662.0414474.82  661.1514761.83  660.0714780.97  661.0415010.57  673.47
15240.18     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510748.04     .1511222.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10748.0411222.05               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1318483.00   84033.84   529597.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1318483.00   84033.84   529597.80
  Q Total (cfs)           206224.30    Flow (cfs)              137569.50   11171.42   57483.40
  Top Width (ft)          15240.18    Top Width (ft)           10748.04     474.01    4018.13
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.62    Hydr. Depth (ft)           122.67     177.28     131.80
  Conv. Total (cfs)       481968400.0    Conv. (cfs)            321514700.0   26108810.0   134344900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         10795.46     478.42    4086.86
  Min Ch El (ft)            571.26    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4337.33     288.93    1760.30
  C & E Loss (ft)             0.00    Cum SA (acres)             33.66       1.54      12.93


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1299.5*

INPUT
Description:
Station Elevation Data     num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.13  680.19   608.4  679.92  995.22  676.05 1013.99  676.09
 1293.78  677.96 1318.19  677.71 1990.43  667.15 2027.99  667.42 2189.48  669.84
 2230.79     670 2786.61     670 2839.18  669.22 3781.82  650.36 3853.18     650
 4478.47     650 4562.97   643.7    4578   642.2 4664.37     640 4777.04     640
 4867.17  636.64 5175.13  621.24 5272.77  619.38 5871.78  614.24 5982.57     614
 7762.69     614 7862.21  614.74 7909.15  614.74 8010.55     615 8359.82     615
 8359.82  611.29 8517.55  611.29 8517.55     610 9155.99     610 9328.75   608.5
 9753.12  603.55 9937.14  600.94 9952.17  600.7210139.94     60010748.34     600
10922.51  571.2611022.51  571.2611222.51     60011700.98   604.213327.79  609.57
13519.18  609.7713748.85  633.7313806.27  642.2513978.52  654.0114284.74  663.71
14437.86  662.0314476.13  661.1514763.22  660.0714782.36  661.0415012.02   673.5
15241.69     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510748.34     .1511222.51     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10748.3411222.51               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1318533.00   84061.74   529702.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1318533.00   84061.74   529702.40
  Q Total (cfs)           206224.30    Flow (cfs)              137563.00   11174.12   57487.22
  Top Width (ft)          15241.69    Top Width (ft)           10748.34     474.17    4019.18
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.62    Hydr. Depth (ft)           122.67     177.28     131.79
  Conv. Total (cfs)       482012600.0    Conv. (cfs)            321529000.0   26117510.0   134366200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         10795.76     478.58    4087.91
  Min Ch El (ft)            571.26    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4322.19     287.96    1754.22
  C & E Loss (ft)             0.00    Cum SA (acres)             33.54       1.53      12.89


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1299.*

INPUT
Description:
Station Elevation Data     num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.15  680.19  608.41  679.92  995.24  676.05 1014.02  676.09
 1293.82  677.96 1318.23  677.71 1990.49  667.15 2028.05  667.42 2189.54  669.84
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 2230.85     670 2786.68     670 2839.26  669.21 3781.93  650.36 3853.29     650
  4478.6     650  4563.1  643.69 4578.12  642.19  4664.5     640 4777.17     640
 4867.31  636.63 5175.27  621.24 5272.92  619.38 5871.94  614.24 5982.73     614
 7762.91     614 7862.43  614.74 7909.38  614.74 8010.78     615 8360.05     615
 8360.05  611.28 8517.79  611.28 8517.79     610 9156.25     610 9329.01  608.49
  9753.4  603.54 9937.42  600.94 9952.44  600.7110140.23     60010748.64     600
10922.96  571.2611022.96  571.2611222.96     60011701.56   604.2 13328.8  609.57
13520.24  609.7713749.97  633.78 13807.4   642.3 13979.7  654.01   14286  663.72
14439.15  662.0314477.44  661.14 14764.6  660.0714783.75  661.0415013.47  673.53
 15243.2     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510748.64     .1511222.96     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10748.6411222.96               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1318586.00   84087.95   529821.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1318586.00   84087.95   529821.90
  Q Total (cfs)           206224.30    Flow (cfs)              137555.10   11176.43   57492.79
  Top Width (ft)          15243.20    Top Width (ft)          10748.64     474.32    4020.24
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.62    Hydr. Depth (ft)          122.67     177.28     131.79
  Conv. Total (cfs)       482063800.0    Conv. (cfs)            321544700.0   26125680.0   134393400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10796.06     478.73    4088.97
  Min Ch El (ft)            571.26    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4307.06     287.00    1748.14
  C & E Loss (ft)             0.00    Cum SA (acres)             33.42       1.52      12.84


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1298.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.16  680.19  608.43  679.92  995.27  676.05 1014.05  676.09
 1293.85  677.96 1318.27  677.71 1990.54  667.15  2028.1  667.42  2189.6  669.84
 2230.91     670 2786.76     670 2839.34  669.21 3782.04  650.36 3853.39     650
 4478.73     650 4563.23  643.68 4578.25  642.17 4664.64     640 4777.31     640
 4867.45  636.63 5175.42  621.23 5273.07  619.37 5872.11  614.24  5982.9     614
 7763.12     614 7862.65  614.74  7909.6  614.74    8011     615 8360.29     615
 8360.29  611.28 8518.03  611.28 8518.03     610 9156.51     610 9329.27  608.49
 9753.67  603.54  9937.7  600.93 9952.72  600.7110140.51     60010748.94     600
10923.41  571.2611023.41  571.2611223.41     60011702.14  604.2113329.81  609.57
 13521.3  609.7713751.09  633.8313808.54  642.3413980.88  654.0214287.26  663.72
14440.45  662.0214478.75  661.1314765.99  660.0714785.14  661.0415014.92  673.55
15244.71     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510748.94     .1511223.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10748.9411223.41               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1318631.00   84113.98   529935.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1318631.00   84113.98   529935.10
  Q Total (cfs)           206224.30    Flow (cfs)              137547.50   11178.86   57497.95
  Top Width (ft)          15244.71    Top Width (ft)          10748.94     474.47    4021.30
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.62    Hydr. Depth (ft)          122.68     177.28     131.78
  Conv. Total (cfs)       482108800.0    Conv. (cfs)            321556900.0   26133800.0   134418000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10796.36     478.88    4090.03
  Min Ch El (ft)            571.26    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4291.92     286.03    1742.06
  C & E Loss (ft)             0.00    Cum SA (acres)             33.29       1.52      12.79


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1298.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.18  680.19  608.45  679.92   995.3  676.05 1014.08  676.09
 1293.89  677.96  1318.3  677.71  1990.6  667.15 2028.16  667.42 2189.66  669.84
 2230.98     670 2786.84     670 2839.42  669.21 3782.14  650.36  3853.5     650
 4478.85     650 4563.36  643.66 4578.38  642.16 4664.77     640 4777.44     640
 4867.58  636.62 5175.56  621.22 5273.21  619.37 5872.27  614.24 5983.07     614
 7763.34     614 7862.87  614.75 7909.82  614.75 8011.23     615 8360.52     615
 8360.52  611.27 8518.27  611.27 8518.27     610 9156.76     610 9329.53  608.49
 9753.94  603.54 9937.98  600.93    9953   600.7 10140.8     60010749.25     600
10923.87  571.2511023.87  571.2511223.87     60011702.72  604.2113330.82  609.58
13522.36  609.7713752.21  633.8813809.67  642.3913982.05  654.0314288.52  663.73
14441.75  662.0214480.06  661.1314767.37  660.0714786.53  661.0415016.38  673.58
15246.22     695

Manning's n Values        num=       3
```

```
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510749.25     .1511223.87     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10749.2511223.87               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1318676.00   84143.06   530039.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1318676.00   84143.06   530039.70
  Q Total (cfs)           206224.30    Flow (cfs)              137540.40   11181.94   57501.91
  Top Width (ft)          15246.22    Top Width (ft)          10749.25     474.62    4022.35
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.63    Hydr. Depth (ft)          122.68     177.29     131.77
  Conv. Total (cfs)       482151700.0    Conv. (cfs)            321569100.0   26143350.0   134439300.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10796.67     479.03    4091.08
  Min Ch El (ft)            571.25    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4276.78     285.07    1735.98
  C & E Loss (ft)             0.00    Cum SA (acres)             33.17       1.51      12.75


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1297.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   597.2  680.19  608.46  679.92  995.33  676.05 1014.11  676.09
 1293.93  677.96 1318.34  677.71 1990.66  667.15 2028.22  667.42 2189.72  669.85
 2231.04     670 2786.92     670  2839.5  669.21 3782.25  650.36 3853.61     650
 4478.98     650 4563.49  643.65 4578.51  642.15  4664.9     640 4777.58     640
 4867.72  636.61 5175.71  621.21 5273.36  619.37 5872.44  614.24 5983.24     614
 7763.56     614 7863.09  614.75 7910.04  614.75 8011.45     615 8360.76     615
 8360.76  611.26 8518.51  611.26 8518.51     610 9157.02     610 9329.79  608.49
 9754.22  603.53 9938.26  600.93 9953.28   600.710141.08     60010749.55     600
10924.32  571.2511024.32  571.2511224.32     600 11703.3  604.2213331.82  609.58
13523.41  609.7713753.32  633.93 13810.8  642.4313983.23  654.0414289.78  663.74
14443.05  662.0114481.37  661.1214768.76  660.0714787.92  661.0515017.83  673.61
15247.73     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510749.55     .1511224.32     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10749.5511224.32               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1318721.00   84169.28   530146.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1318721.00   84169.28   530146.90
  Q Total (cfs)           206224.30    Flow (cfs)              137533.50   11184.46   57506.29
  Top Width (ft)          15247.73    Top Width (ft)          10749.55     474.77    4023.41
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.63    Hydr. Depth (ft)          122.68     177.28     131.77
  Conv. Total (cfs)       482194200.0    Conv. (cfs)            321581300.0   26151520.0   134461400.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10796.97     479.18    4092.14
  Min Ch El (ft)            571.25    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4261.65     284.10    1729.89
  C & E Loss (ft)             0.00    Cum SA (acres)             33.05       1.51      12.70


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1297.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.21  680.19  608.48  679.92  995.36  676.05 1014.14  676.09
 1293.96  677.96 1318.38  677.71 1990.71  667.15 2028.27  667.42 2189.78  669.85
  2231.1     670    2787     670 2839.58  669.21 3782.35  650.35 3853.72     650
  4479.1     650 4563.62  643.64 4578.64  642.14 4665.03     640 4777.71     640
 4867.86  636.61 5175.85  621.21 5273.51  619.37  5872.6  614.23 5983.41     614
 7763.78     614 7863.32  614.75 7910.27  614.75 8011.68     615 8360.99     615
 8360.99  611.25 8518.75  611.25 8518.75     610 9157.28     610 9330.06  608.48
 9754.49  603.53 9938.54  600.92 9953.56   600.710141.37     60010749.85     600
10924.77  571.2511024.77  571.2511224.77     60011703.88  604.2213332.83  609.58
13524.47  609.7713754.44  633.9813811.93  642.4813984.41  654.0514291.04  663.75
14444.35     66214482.68  661.1114770.14  660.07 14789.3  661.0515019.28  673.64
15249.25     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510749.85     .1511224.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10749.8511224.77               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1318773.00   84195.31   530265.60
```

```
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1318773.00   84195.31   530265.60
  Q Total (cfs)           206224.30    Flow (cfs)              137525.80   11186.76   57511.74
  Top Width (ft)          15249.25    Top Width (ft)          10749.85     474.92    4024.48
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.63    Hydr. Depth (ft)          122.68     177.28     131.76
  Conv. Total (cfs)       482244300.0    Conv. (cfs)             321596600.0   26159640.0   134488100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10797.27     479.32    4093.21
  Min Ch El (ft)            571.25    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4246.51     283.13    1723.81
  C & E Loss (ft)             0.00    Cum SA (acres)             32.92       1.50      12.65


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1296.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.23  680.18   608.5  679.91  995.38  676.05 1014.17  676.09
    1294  677.96 1318.41  677.71 1990.77  667.15 2028.33  667.42 2189.85  669.85
 2231.16     670 2787.08     670 2839.66  669.21 3782.46  650.35 3853.83     650
 4479.23     650 4563.74  643.63 4578.77  642.12 4665.16     640 4777.84     640
 4867.99   636.6    5176   621.2 5273.66  619.37 5872.77  614.23 5983.57     614
    7764     614 7863.54  614.75 7910.49  614.75 8011.91     615 8361.23     615
 8361.23  611.25 8518.99  611.25 8518.99     610 9157.54     610 9330.32  608.48
 9754.77  603.53 9938.82  600.92 9953.84  600.6910141.65     60010750.15     600
10925.23  571.2511025.23  571.2511225.23     60011704.46  604.2313333.84  609.58
13525.53  609.7713755.56  634.0213813.07  642.5213985.59  654.05 14292.3  663.75
14445.65     66214483.99  661.1114771.53  660.07 14790.7  661.0515020.72  673.66
15250.75     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510750.15     .1511225.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10750.1511225.23               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1318822.00   84223.22   530377.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1318822.00   84223.22   530377.40
  Q Total (cfs)           206224.30    Flow (cfs)              137518.30   11189.40   57516.63
  Top Width (ft)          15250.75    Top Width (ft)          10750.15     475.08    4025.52
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.63    Hydr. Depth (ft)          122.68     177.28     131.75
  Conv. Total (cfs)       482291200.0    Conv. (cfs)             321610300.0   26168340.0   134512600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10797.58     479.48    4094.25
  Min Ch El (ft)            571.25    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4231.37     282.17    1717.72
  C & E Loss (ft)             0.00    Cum SA (acres)             32.80       1.50      12.61


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1296.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.25  680.18  608.52  679.91  995.41  676.05 1014.19  676.09
 1294.04  677.96 1318.45  677.71 1990.82  667.14 2028.39  667.43 2189.91  669.85
 2231.23     670 2787.15     670 2839.74  669.21 3782.57  650.35 3853.94     650
 4479.36     650 4563.87  643.61  4578.9  642.11 4665.29     640 4777.98     640
 4868.13  636.59 5176.14  621.19 5273.81  619.37 5872.93  614.23 5983.74     614
 7764.22     614 7863.76  614.75 7910.71  614.75 8012.13     615 8361.46     615
 8361.46  611.24 8519.23  611.24 8519.23     610 9157.79     610 9330.58  608.48
 9755.04  603.52  9939.1  600.91 9954.12  600.6910141.94     60010750.45     600
10925.68  571.2511025.68  571.2511225.68     60011705.04  604.2313334.84  609.59
13526.59  609.7713756.68  634.07 13814.2  642.5713986.77  654.0614293.55  663.76
14446.95  661.99 14485.3   661.114772.91  660.0714792.08  661.0515022.17  673.69
15252.27     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510750.45     .1511225.68     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10750.4511225.68               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1318872.00   84249.25   530486.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1318872.00   84249.25   530486.90
  Q Total (cfs)           206224.30    Flow (cfs)              137511.50   11191.81   57520.96
  Top Width (ft)          15252.27    Top Width (ft)          10750.45     475.23    4026.59
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.63    Hydr. Depth (ft)          122.68     177.28     131.75
  Conv. Total (cfs)       482336700.0    Conv. (cfs)             321624800.0   26176460.0   134535400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10797.88     479.63    4095.32
  Min Ch El (ft)            571.25    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4216.23     281.20    1711.63
  C & E Loss (ft)             0.00    Cum SA (acres)             32.68       1.49      12.56
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1295.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.26  680.18  608.53  679.91  995.44  676.05 1014.22  676.09
 1294.07  677.96 1318.49  677.71 1990.88  667.14 2028.44  667.43 2189.97  669.85
 2231.29     670 2787.23     670 2839.82   669.2 3782.67  650.35 3854.04     650
 4479.48     650    4564   643.6 4579.03   642.1 4665.42     640 4778.11     640
 4868.27  636.59 5176.29  621.19 5273.96  619.37  5873.1  614.23 5983.91     614
 7764.43     614 7863.98  614.75 7910.93  614.75 8012.36     615  8361.7     615
  8361.7  611.23 8519.47  611.23 8519.47     610 9158.05     610 9330.84  608.47
 9755.32  603.52 9939.38  600.91  9954.4  600.6810142.22     60010750.75     600
10926.13  571.2511026.13  571.2511226.13     60011705.61  604.2413335.85  609.59
13527.64  609.7813757.79  634.1213815.33  642.6113987.95  654.0714294.81  663.77
14448.25  661.9814486.61  661.0914774.29  660.0714793.47  661.0615023.62  673.72
15253.78     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510750.75     .1511226.13     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10750.7511226.13               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1318920.00   84275.47   530591.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1318920.00   84275.47   530591.60
  Q Total (cfs)           206224.30    Flow (cfs)              137505.10   11194.31   57524.86
  Top Width (ft)          15253.78    Top Width (ft)          10750.75     475.38    4027.65
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.63    Hydr. Depth (ft)          122.68     177.28     131.74
  Conv. Total (cfs)       482379500.0    Conv. (cfs)            321638400.0   26184630.0   134556500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10798.18     479.78    4096.38
  Min Ch El (ft)            571.25    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4201.10     280.23    1705.54
  C & E Loss (ft)             0.00    Cum SA (acres)             32.55       1.49      12.52


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1295.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.28  680.18  608.55  679.91  995.47  676.05 1014.25   676.1
 1294.11  677.96 1318.53  677.71 1990.94  667.14  2028.5  667.43 2190.03  669.85
 2231.35     670 2787.31     670  2839.9   669.2 3782.78  650.34 3854.15     650
 4479.61     650 4564.13  643.59 4579.15  642.08 4665.55     640 4778.25     640
  4868.4  636.58 5176.44  621.18  5274.1  619.36 5873.26  614.23 5984.08     614
 7764.65     614  7864.2  614.76 7911.16  614.76 8012.58     615 8361.93     615
 8361.93  611.22 8519.71  611.22 8519.71     610 9158.31     610 9331.11  608.47
 9755.59  603.52 9939.66  600.91 9954.68  600.6810142.51     60010751.06     600
10926.59  571.2411026.59  571.2411226.59     60011706.19  604.2413336.86  609.59
 13528.7  609.7813758.91  634.1713816.46  642.6613989.12  654.0814296.07  663.78
14449.55  661.9814487.92  661.0914775.68  660.0714794.86  661.0615025.08  673.75
15255.29     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510751.06     .1511226.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10751.0611226.59               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1318971.00   84304.55   530705.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1318971.00   84304.55   530705.40
  Q Total (cfs)           206224.30    Flow (cfs)              137497.30   11197.25   57529.74
  Top Width (ft)          15255.29    Top Width (ft)          10751.06     475.53    4028.70
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.64    Hydr. Depth (ft)          122.68     177.29     131.73
  Conv. Total (cfs)       482428600.0    Conv. (cfs)            321652900.0   26194180.0   134581600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10798.49     479.93    4097.43
  Min Ch El (ft)            571.24    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4185.96     279.27    1699.45
  C & E Loss (ft)             0.00    Cum SA (acres)             32.43       1.48      12.47


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1294.5*

INPUT
Description:
Station Elevation Data    num=      56
```

```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   597.3  680.18  608.57  679.91   995.5  676.05 1014.28   676.1
 1294.15  677.96 1318.56  677.71 1990.99  667.14 2028.56  667.43 2190.09  669.85
 2231.41     670 2787.39     670 2839.98   669.2 3782.89  650.34 3854.26     650
 4479.73     650 4564.26  643.57 4579.28  642.07 4665.68     640 4778.38     640
 4868.54  636.57 5176.58  621.17 5274.25  619.36 5873.43  614.23 5984.25     614
 7764.87     614 7864.42  614.76 7911.38  614.76 8012.81     615 8362.17     615
 8362.17  611.22 8519.95  611.22 8519.95     610 9158.57     610 9331.37  608.47
 9755.86  603.51 9939.94   600.9 9954.96  600.6810142.79     60010751.36     600
10927.04  571.2411027.04  571.2411227.04     60011706.77  604.2413337.87  609.59
13529.76  609.7813760.03  634.22 13817.6   642.7 13990.3  654.0914297.33  663.78
14450.85  661.9714489.22  661.0814777.06  660.0714796.25  661.0615026.53  673.77
 15256.8     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510751.36     .1511227.04     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10751.3611227.04               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1319018.00   84330.59   530829.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1319018.00   84330.59   530829.10
  Q Total (cfs)           206224.30    Flow (cfs)              137488.50   11199.56   57536.18
  Top Width (ft)          15256.80    Top Width (ft)          10751.36     475.68    4029.76
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.64    Hydr. Depth (ft)          122.68     177.28     131.73
  Conv. Total (cfs)       482478700.0    Conv. (cfs)            321665700.0   26202300.0   134610600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10798.79     480.08    4098.49
  Min Ch El (ft)            571.24    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4170.82     278.30    1693.36
  C & E Loss (ft)             0.00    Cum SA (acres)             32.31       1.48      12.42


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1294.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.31  680.18  608.58  679.91  995.52  676.04 1014.31   676.1
 1294.18  677.96  1318.6  677.71 1991.05  667.14 2028.62  667.43 2190.15  669.85
 2231.48     670 2787.47     670 2840.06   669.2 3782.99  650.34 3854.37     650
 4479.86     650 4564.38  643.56 4579.41  642.06 4665.82     640 4778.52     640
 4868.68  636.57 5176.73  621.16  5274.4  619.36 5873.59  614.23 5984.42     614
 7765.09     614 7864.64  614.76  7911.6  614.76 8013.03     615  8362.4     615
  8362.4  611.21 8520.18  611.21 8520.18     610 9158.82     610 9331.63  608.46
 9756.14  603.51 9940.21   600.9 9955.24  600.6710143.08     60010751.66     600
10927.49  571.2411027.49  571.2411227.49     60011707.35  604.2513338.87   609.6
13530.82  609.7813761.15  634.2713818.73  642.7513991.48  654.0914298.59  663.79
14452.14  661.9714490.53  661.0714778.45  660.0714797.64  661.0615027.98   673.8
15258.31     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510751.66     .1511227.49     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10751.6611227.49               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1319065.00   84356.80   530928.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1319065.00   84356.80   530928.60
  Q Total (cfs)           206224.30    Flow (cfs)              137482.80   11202.12   57539.43
  Top Width (ft)          15258.31    Top Width (ft)          10751.66     475.83    4030.82
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.64    Hydr. Depth (ft)          122.68     177.28     131.72
  Conv. Total (cfs)       482519100.0    Conv. (cfs)            321679100.0   26210470.0   134629500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10799.09     480.22    4099.55
  Min Ch El (ft)            571.24    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4155.68     277.33    1687.26
  C & E Loss (ft)             0.00    Cum SA (acres)             32.18       1.47      12.38


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1293.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.33  680.18   608.6  679.91  995.55  676.04 1014.34   676.1
 1294.22  677.96 1318.64  677.71  1991.1  667.14 2028.67  667.43 2190.21  669.85
 2231.54     670 2787.55     670 2840.14   669.2  3783.1  650.34 3854.48     650
 4479.98     650 4564.51  643.55 4579.54  642.05 4665.95     640 4778.65     640
 4868.81  636.56 5176.87  621.16 5274.55  619.36 5873.76  614.22 5984.58     614
 7765.31     614 7864.86  614.76 7911.82  614.76 8013.26     615 8362.64     615
 8362.64   611.2 8520.42   611.2 8520.42     610 9159.08     610 9331.89  608.46
 9756.41  603.51 9940.49  600.89 9955.52  600.6710143.36     60010751.96     600
10927.95  571.2411027.95  571.2411227.95     60011707.93  604.2513339.88   609.6
13531.87  609.7813762.27  634.3113819.86  642.7913992.66   654.114299.85   663.8
14453.44  661.9614491.84  661.0714779.83  660.0714799.03  661.0615029.43  673.83
```

```
15259.82     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510751.96     .1511227.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10751.9611227.95               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1319111.00   84384.70   531045.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1319111.00   84384.70   531045.80
  Q Total (cfs)           206224.30    Flow (cfs)              137474.50   11204.73   57545.06
  Top Width (ft)          15259.82    Top Width (ft)          10751.96     475.99    4031.87
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.64    Hydr. Depth (ft)          122.69     177.28     131.71
  Conv. Total (cfs)       482566900.0    Conv. (cfs)            321691700.0   26219170.0   134656000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10799.39     480.38    4100.60
  Min Ch El (ft)            571.24    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4140.53     276.36    1681.17
  C & E Loss (ft)             0.00    Cum SA (acres)             32.06       1.46      12.33


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1293.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.35  680.18  608.62  679.91  995.58  676.04 1014.36   676.1
 1294.25  677.96 1318.67  677.71 1991.16  667.14 2028.73  667.43 2190.28  669.85
  2231.6     670 2787.62     670 2840.22   669.2  3783.2  650.34 3854.59     650
 4480.11     650 4564.64  643.54 4579.67  642.03 4666.08     640 4778.78     640
 4868.95  636.55 5177.02  621.15  5274.7  619.36 5873.92  614.22 5984.75     614
 7765.53     614 7865.08  614.76 7912.04  614.76 8013.48     615 8362.87     615
 8362.87  611.19 8520.66  611.19 8520.66     610 9159.34     610 9332.16  608.46
 9756.69  603.51 9940.77  600.89  9955.8  600.6610143.65     60010752.27     600
 10928.4  571.24 11028.4  571.24 11228.4     60011708.51  604.2613340.89   609.6
13532.93  609.7813763.38  634.36   13821  642.8413993.84  654.1114301.11  663.81
14454.74  661.9514493.15  661.0614781.22  660.0714800.42  661.0715030.88  673.86
15261.33     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510752.27     .15 11228.4     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10752.27 11228.4               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1319157.00   84409.21   531151.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1319157.00   84409.21   531151.80
  Q Total (cfs)           206224.30    Flow (cfs)              137468.00   11207.02   57549.28
  Top Width (ft)          15261.33    Top Width (ft)          10752.27     476.13    4032.93
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.64    Hydr. Depth (ft)          122.69     177.28     131.70
  Conv. Total (cfs)       482608800.0    Conv. (cfs)            321704400.0   26226810.0   134677600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10799.70     480.52    4101.66
  Min Ch El (ft)            571.24    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4125.39     275.39    1675.07
  C & E Loss (ft)             0.00    Cum SA (acres)             31.94       1.46      12.28


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1292.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.36  680.18  608.64  679.91  995.61  676.04 1014.39   676.1
 1294.29  677.96 1318.71  677.71 1991.22  667.14 2028.79  667.43 2190.34  669.86
 2231.67     670  2787.7     670  2840.3  669.19 3783.31  650.33 3854.69     650
 4480.24     650 4564.77  643.52  4579.8  642.02 4666.21     640 4778.92     640
 4869.09  636.55 5177.16  621.14 5274.84  619.36 5874.09  614.22 5984.92     614
 7765.74     614  7865.3  614.76 7912.27  614.76 8013.71     615 8363.11     615
 8363.11  611.19  8520.9  611.19  8520.9     610 9159.59     610 9332.42  608.46
 9756.96   603.5 9941.05  600.88 9956.08  600.6610143.93     60010752.57     600
10928.85  571.2411028.85  571.2411228.85     60011709.09  604.2613341.89   609.6
13533.99  609.78 13764.5  634.4113822.13  642.8913995.01  654.1214302.37  663.81
14456.04  661.9514494.46  661.05 14782.6  660.0714801.81  661.0715032.33  673.88
15262.84     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510752.57     .1511228.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10752.5711228.85               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
```

```
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1319211.00   84435.08   531273.10
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1319211.00   84435.08   531273.10
  Q Total (cfs)          206224.30    Flow (cfs)              137460.00   11209.26   57555.07
  Top Width (ft)         15262.84    Top Width (ft)          10752.57     476.28    4033.99
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.64    Hydr. Depth (ft)          122.69     177.28     131.70
  Conv. Total (cfs)      482660700.0    Conv. (cfs)            321720200.0   26234880.0   134705600.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10800.00     480.67    4102.72
  Min Ch El (ft)           571.24    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     4110.25     274.42    1668.98
  C & E Loss (ft)            0.00    Cum SA (acres)             31.81       1.45      12.24


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1292.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.38  680.17  608.65  679.91  995.64  676.04 1014.42   676.1
 1294.33  677.96 1318.75  677.71 1991.27  667.14 2028.84  667.43  2190.4  669.86
 2231.73     670 2787.78     670 2840.38  669.19 3783.42  650.33  3854.8     650
 4480.36     650  4564.9  643.51 4579.93  642.01 4666.34     640 4779.05     640
 4869.22  636.54 5177.31  621.13 5274.99  619.36 5874.25  614.22 5985.09     614
 7765.96     614 7865.53  614.76 7912.49  614.76 8013.93     615 8363.34     615
 8363.34  611.18 8521.14  611.18 8521.14     610 9159.85     610 9332.68  608.45
 9757.23   603.5 9941.33  600.88 9956.36  600.6510144.22     60010752.87     600
 10929.3  571.24 11029.3  571.24 11229.3     60011709.67  604.27 13342.9  609.61
13535.04  609.7913765.62  634.4613823.26  642.9313996.19  654.1314303.62  663.82
14457.34  661.9414495.77  661.0514783.99  660.07 14803.2  661.0715033.78  673.91
15264.35     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510752.87     .15 11229.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10752.87 11229.3               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1319261.00   84461.28   531368.40
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1319261.00   84461.28   531368.40
  Q Total (cfs)          206224.30    Flow (cfs)              137454.80   11211.83   57557.64
  Top Width (ft)         15264.35    Top Width (ft)          10752.87     476.43    4035.05
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.64    Hydr. Depth (ft)          122.69     177.28     131.69
  Conv. Total (cfs)      482700400.0    Conv. (cfs)            321734600.0   26243050.0   134722700.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10800.30     480.82    4103.78
  Min Ch El (ft)           571.24    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     4095.11     273.45    1662.88
  C & E Loss (ft)            0.00    Cum SA (acres)             31.69       1.45      12.19


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1291.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   597.4  680.17  608.67  679.91  995.66  676.04 1014.45   676.1
 1294.36  677.96 1318.79   677.7 1991.33  667.14  2028.9  667.43 2190.46  669.86
 2231.79     670 2787.86     670 2840.46  669.19 3783.52  650.33 3854.91     650
 4480.49     650 4565.03  643.5 4580.05  641.99 4666.47     640 4779.19     640
 4869.36  636.53 5177.45  621.13 5275.14  619.36 5874.42  614.22 5985.26     614
 7766.18     614 7865.75  614.77 7912.71  614.77 8014.16     615 8363.58     615
 8363.58  611.17 8521.38  611.17 8521.38     610 9160.11     610 9332.94  608.45
 9757.51   603.5 9941.61  600.88 9956.64  600.65 10144.5     60010753.17     600
10929.76  571.2311029.76  571.2311229.76     60011710.25  604.2713343.91  609.61
 13536.1  609.7913766.74  634.51 13824.4  642.9813997.37  654.1414304.88  663.83
14458.64  661.9414497.08  661.0414785.37  660.0714804.59  661.0715035.23  673.94
15265.86     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510753.17     .1511229.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10753.1711229.76               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1319305.00   84492.08   531483.80
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1319305.00   84492.08   531483.80
  Q Total (cfs)          206224.30    Flow (cfs)              137446.30   11215.03   57562.96
  Top Width (ft)         15265.86    Top Width (ft)          10753.17     476.59    4036.10
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.65    Hydr. Depth (ft)          122.69     177.28     131.68
  Conv. Total (cfs)      482748000.0    Conv. (cfs)            321746400.0   26253130.0   134748500.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10800.60     480.98    4104.83
  Min Ch El (ft)           571.23    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
```

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  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     4079.96     272.48    1656.78
  C & E Loss (ft)            0.00    Cum SA (acres)             31.56       1.44      12.15

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1291.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.42  680.17  608.69  679.91  995.69  676.04 1014.48   676.1
  1294.4  677.96 1318.82   677.7 1991.38  667.14 2028.96  667.43 2190.52  669.86
 2231.85     670 2787.94     670 2840.54  669.19 3783.63  650.33 3855.02     650
 4480.61     650 4565.15  643.48 4580.18  641.98  4666.6     640 4779.32     640
  4869.5  636.53  5177.6  621.12 5275.29  619.35 5874.58  614.22 5985.42     614
  7766.4     614 7865.97  614.77 7912.93  614.77 8014.38     615 8363.81     615
 8363.81  611.16 8521.62  611.16 8521.62     610 9160.37     610  9333.2  608.45
 9757.78  603.49 9941.89  600.87 9956.92  600.6510144.79     60010753.47     600
10930.21  571.2311030.21  571.2311230.21     60011710.83  604.2813344.91  609.61
13537.16  609.7913767.86  634.5613825.53  643.0213998.55  654.1414306.14  663.84
14459.94  661.9314498.39  661.0314786.76  660.0614805.98  661.0715036.68  673.97
15267.37     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510753.47     .1511230.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10753.4711230.21               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1319354.00   84518.29   531596.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1319354.00   84518.29   531596.00
  Q Total (cfs)           206224.30    Flow (cfs)              137439.10   11217.44   57567.77
  Top Width (ft)          15267.37    Top Width (ft)          10753.47     476.74    4037.16
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.65    Hydr. Depth (ft)          122.69     177.28     131.68
  Conv. Total (cfs)       482794500.0    Conv. (cfs)             321760500.0   26261310.0   134772700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10800.91     481.13    4105.89
  Min Ch El (ft)            571.23    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     4064.82     271.51    1650.68
  C & E Loss (ft)            0.00    Cum SA (acres)             31.44       1.44      12.10

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1290.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.43  680.17   608.7  679.91  995.72  676.04 1014.51   676.1
 1294.44  677.96 1318.86   677.7 1991.44  667.13 2029.01  667.44 2190.58  669.86
 2231.92     670 2788.02     670 2840.62  669.19 3783.74  650.33 3855.13     650
 4480.74     650 4565.28  643.47 4580.31  641.97 4666.73     640 4779.46     640
 4869.63  636.52 5177.74  621.11 5275.44  619.35 5874.75  614.22 5985.59     614
 7766.62     614 7866.19  614.77 7913.16  614.77 8014.61     615 8364.05     615
 8364.05  611.16 8521.86  611.16 8521.86     610 9160.62     610 9333.47  608.44
 9758.06  603.49 9942.17  600.87  9957.2  600.6410145.07     60010753.78     600
10930.67  571.2311030.67  571.2311230.67     60011711.41  604.2813345.92  609.61
13538.22  609.7913768.97   634.613826.66  643.0713999.73  654.15 14307.4  663.84
14461.24  661.92 14499.7  661.0314788.14  660.0614807.37  661.0815038.13  673.99
15268.88     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510753.78     .1511230.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10753.7811230.67               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1319404.00   84544.32   531715.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1319404.00   84544.32   531715.10
  Q Total (cfs)           206224.30    Flow (cfs)              137431.00   11219.75   57573.52
  Top Width (ft)          15268.88    Top Width (ft)          10753.78     476.89    4038.21
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.65    Hydr. Depth (ft)          122.69     177.28     131.67
  Conv. Total (cfs)       482844100.0    Conv. (cfs)             321774700.0   26269420.0   134800000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10801.22     481.27    4106.94
  Min Ch El (ft)            571.23    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     4049.68     270.54    1644.57
  C & E Loss (ft)            0.00    Cum SA (acres)             31.32       1.43      12.05

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1290.*
```

```
INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.45  680.17  608.72  679.91  995.75  676.04 1014.54   676.1
 1294.47  677.96  1318.9   677.7  1991.5  667.13 2029.07  667.44 2190.65  669.86
 2231.98     670 2788.09     670  2840.7  669.19 3783.84  650.32 3855.24     650
 4480.87     650 4565.41  643.46 4580.44  641.96 4666.86     640 4779.59     640
 4869.77  636.51 5177.89  621.11 5275.59  619.35 5874.91  614.22 5985.76     614
 7766.83     614 7866.41  614.77 7913.38  614.77 8014.83     615 8364.28     615
 8364.28  611.15  8522.1  611.15  8522.1     610 9160.88     610 9333.73  608.44
 9758.33  603.49 9942.45  600.86 9957.48  600.6410145.36     60010754.08     600
10931.12  571.2311031.12  571.2311231.12     60011711.98  604.2913346.93  609.62
13539.28  609.7913770.09  634.6513827.79  643.1114000.91  654.1614308.66  663.85
14462.54  661.9214501.01  661.0214789.53  660.0614808.76  661.0815039.58  674.02
15270.39     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510754.08     .1511231.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10754.0811231.12               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1319451.00   84570.53   531813.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1319451.00   84570.53   531813.30
  Q Total (cfs)           206224.30    Flow (cfs)              137425.40   11222.32   57576.60
  Top Width (ft)          15270.39    Top Width (ft)          10754.08     477.04    4039.27
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.65    Hydr. Depth (ft)          122.69     177.28     131.66
  Conv. Total (cfs)       482883800.0    Conv. (cfs)            321787900.0   26277590.0   134818300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10801.52     481.42    4108.00
  Min Ch El (ft)            571.23    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4034.53     269.57    1638.47
  C & E Loss (ft)             0.00    Cum SA (acres)             31.19       1.43      12.01


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1289.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.47  680.17  608.74  679.91  995.78  676.04 1014.56   676.1
 1294.51  677.96 1318.93   677.7 1991.55  667.13 2029.13  667.44 2190.71  669.86
 2232.04     670 2788.17     670 2840.78  669.18 3783.95  650.32 3855.34     650
 4480.99     650 4565.54  643.45 4580.57  641.94    4667     640 4779.72     640
 4869.91   636.5 5178.04   621.1 5275.73  619.35 5875.08  614.21 5985.93     614
 7767.05     614 7866.63  614.77  7913.6  614.77 8015.06     615 8364.52     615
 8364.52  611.14 8522.34  611.14 8522.34     610 9161.14     610 9333.99  608.44
  9758.6  603.48 9942.73  600.86 9957.76  600.6310145.64     60010754.38     600
10931.57  571.2311031.57  571.2311231.57     60011712.56  604.2913347.94  609.62
13540.33  609.7913771.21   634.713828.93  643.1614002.08  654.1714309.92  663.86
14463.84  661.9114502.32  661.0114790.91  660.0614810.15  661.0815041.03  674.05
 15271.9     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510754.38     .1511231.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10754.3811231.57               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1319508.00   84596.74   531930.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1319508.00   84596.74   531930.90
  Q Total (cfs)           206224.30    Flow (cfs)              137417.90   11224.61   57581.76
  Top Width (ft)          15271.90    Top Width (ft)          10754.38     477.19    4040.33
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.65    Hydr. Depth (ft)          122.69     177.28     131.66
  Conv. Total (cfs)       482935500.0    Conv. (cfs)            321804900.0   26285760.0   134844800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10801.82     481.57    4109.06
  Min Ch El (ft)            571.23    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4019.39     268.60    1632.36
  C & E Loss (ft)             0.00    Cum SA (acres)             31.07       1.42      11.96


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1289.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.48  680.17  608.76  679.91   995.8  676.04 1014.59   676.1
 1294.55  677.96 1318.97   677.7 1991.61  667.13 2029.19  667.44 2190.77  669.86
  2232.1     670 2788.25     670 2840.86  669.18 3784.06  650.32 3855.45     650
 4481.12     650 4565.67  643.43  4580.7  641.93 4667.13     640 4779.86     640
 4870.04   636.5 5178.18  621.09 5275.88  619.35 5875.24  614.21  5986.1     614
 7767.27     614 7866.85  614.77 7913.82  614.77 8015.28     615 8364.75     615
 8364.75  611.13 8522.58  611.13 8522.58     610  9161.4     610 9334.25  608.43
 9758.88  603.48 9943.01  600.85 9958.04  600.6310145.93     60010754.68     600
```

```
10932.02  571.2311032.02  571.2311232.02     60011713.14   604.313348.94  609.62
13541.39  609.7913772.33  634.7513830.06   643.214003.26  654.1814311.18  663.87
14465.14  661.9114503.62  661.01 14792.3  660.0614811.54  661.0815042.48  674.08
15273.41     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510754.68     .1511232.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10754.6811232.02               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1319554.00   84622.78   532036.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1319554.00   84622.78   532036.70
  Q Total (cfs)           206224.30    Flow (cfs)              137411.30   11227.10   57585.89
  Top Width (ft)          15273.41    Top Width (ft)          10754.68     477.34    4041.39
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.65    Hydr. Depth (ft)          122.70     177.28     131.65
  Conv. Total (cfs)       482977700.0    Conv. (cfs)            321817500.0   26293880.0   134866300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10802.12     481.72    4110.12
  Min Ch El (ft)            571.23    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4004.24     267.63    1626.26
  C & E Loss (ft)             0.00    Cum SA (acres)             30.95       1.42      11.91


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1288.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   597.5  680.17  608.77  679.91  995.83  676.04 1014.62   676.1
 1294.58  677.96 1319.01   677.7 1991.66  667.13 2029.24  667.44 2190.83  669.86
 2232.17     670 2788.33     670 2840.94  669.18 3784.16  650.32 3855.56     650
 4481.24     650  4565.8  643.42 4580.83  641.92 4667.26     640 4779.99     640
 4870.18  636.49 5178.33  621.08 5276.03  619.35 5875.41  614.21 5986.27     614
 7767.49     614 7867.07  614.77 7914.05  614.77 8015.51     615 8364.99     615
 8364.99  611.13 8522.82  611.13 8522.82     610 9161.65     610 9334.52  608.43
 9759.15  603.48 9943.29  600.85 9958.32  600.6310146.21     60010754.99     600
10932.48  571.2311032.48  571.2311232.48     60011713.72   604.313349.95  609.62
13542.45   609.813773.44   634.813831.19  643.2514004.44  654.1814312.44  663.87
14466.43   661.914504.93     66114793.68  660.0614812.93  661.0815043.93   674.1
15274.92     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510754.99     .1511232.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10754.9911232.48               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1319597.00   84648.98   532157.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1319597.00   84648.98   532157.40
  Q Total (cfs)           206224.30    Flow (cfs)              137402.60   11229.47   57592.18
  Top Width (ft)          15274.92    Top Width (ft)          10754.99     477.49    4042.44
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.65    Hydr. Depth (ft)          122.70     177.28     131.64
  Conv. Total (cfs)       483025400.0    Conv. (cfs)            321829100.0   26302050.0   134894300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10802.43     481.87    4111.17
  Min Ch El (ft)            571.23    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3989.09     266.66    1620.15
  C & E Loss (ft)             0.00    Cum SA (acres)             30.82       1.41      11.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1288.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.52  680.17  608.79  679.91  995.86  676.04 1014.65   676.1
 1294.62  677.96 1319.04   677.7 1991.72  667.13  2029.3  667.44 2190.89  669.86
 2232.23     670 2788.41     670 2841.02  669.18 3784.27  650.31 3855.67     650
 4481.37     650 4565.92  643.41 4580.96   641.9 4667.39     640 4780.13     640
 4870.32  636.48 5178.47  621.08 5276.18  619.35 5875.57  614.21 5986.43     614
 7767.71     614 7867.29  614.78 7914.27  614.78 8015.73     615 8365.22     615
 8365.22  611.12 8523.06  611.12 8523.06     610 9161.91     610 9334.78  608.43
 9759.43  603.47 9943.57  600.85  9958.6  600.62 10146.5     60010755.29     600
10932.93  571.2211032.93  571.2211232.93     600 11714.3  604.3113350.96  609.63
 13543.5   609.813774.56  634.8513832.33  643.2914005.62  654.19 14313.7  663.88
14467.73  661.8914506.24  660.9914795.07  660.0614814.32  661.0915045.38  674.13
15276.43     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510755.29     .1511232.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10755.2911232.93               .5      .5      .5             .1       .3
```

```
CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1319646.00   84677.91   532255.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1319646.00   84677.91   532255.30
  Q Total (cfs)           206224.30    Flow (cfs)              137396.80   11232.56   57594.96
  Top Width (ft)          15276.43    Top Width (ft)          10755.29     477.64    4043.50
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.10       0.13       0.11
  Max Chl Dpth (ft)         188.66    Hydr. Depth (ft)          122.70     177.28     131.63
  Conv. Total (cfs)       483067100.0    Conv. (cfs)            321843100.0   26311550.0   134912500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10802.73     482.02    4112.23
  Min Ch El (ft)            571.22    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3973.95     265.69    1614.04
  C & E Loss (ft)             0.00    Cum SA (acres)             30.70       1.40      11.82


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1287.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.53  680.16  608.81  679.91  995.89  676.04 1014.68   676.1
 1294.65  677.96 1319.08   677.7 1991.78  667.13 2029.36  667.44 2190.95  669.86
 2232.29     670 2788.49     670  2841.1  669.18 3784.37  650.31 3855.78     650
  4481.5     650 4566.05  643.39 4581.08  641.89 4667.52     640 4780.26     640
 4870.46  636.48 5178.62  621.07 5276.33  619.35 5875.74  614.21  5986.6     614
 7767.93     614 7867.51  614.78 7914.49  614.78 8015.96     615 8365.46     615
 8365.46  611.11  8523.3  611.11  8523.3     610 9162.17     610 9335.04  608.42
  9759.7  603.47 9943.85  600.84 9958.88  600.6210146.78     60010755.59     600
10933.38  571.2211033.38  571.2211233.38     60011714.88  604.3113351.96  609.63
13544.56   609.813775.68  634.8913833.46  643.34 14006.8   654.214314.96  663.89
14469.03  661.8914507.55  660.9914796.45  660.0614815.71  661.0915046.83  674.16
15277.95     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510755.59     .1511233.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10755.5911233.38               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1319695.00   84704.13   532372.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1319695.00   84704.13   532372.50
  Q Total (cfs)           206224.30    Flow (cfs)              137389.00   11234.93   57600.35
  Top Width (ft)          15277.95    Top Width (ft)          10755.59     477.79    4044.57
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.10       0.13       0.11
  Max Chl Dpth (ft)         188.66    Hydr. Depth (ft)          122.70     177.28     131.63
  Conv. Total (cfs)       483115300.0    Conv. (cfs)            321857000.0   26319730.0   134938600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10803.03     482.16    4113.30
  Min Ch El (ft)            571.22    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3958.80     264.72    1607.93
  C & E Loss (ft)             0.00    Cum SA (acres)             30.58       1.40      11.77


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1287.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.55  680.16  608.82  679.91  995.92  676.04 1014.71   676.1
 1294.69  677.96 1319.12   677.7 1991.83  667.13 2029.41  667.44 2191.01  669.87
 2232.35     670 2788.56     670 2841.18  669.18 3784.48  650.31 3855.89     650
 4481.62     650 4566.18  643.38 4581.21  641.88 4667.65     640  4780.4     640
 4870.59  636.47 5178.76  621.06 5276.48  619.34  5875.9  614.21 5986.77     614
 7768.14     614 7867.74  614.78 7914.71  614.78 8016.18     615 8365.69     615
 8365.69   611.1 8523.54   611.1 8523.54     610 9162.43     610  9335.3  608.42
 9759.98  603.47 9944.13  600.84 9959.16  600.6110147.07     60010755.89     600
10933.84  571.2211033.84  571.2211233.84     60011715.46  604.3213352.97  609.63
13545.62   609.8 13776.8  634.9413834.59  643.3814007.98  654.2114316.21   663.9
14470.33  661.8814508.86  660.9814797.83  660.06 14817.1  661.0915048.28  674.19
15279.46     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510755.89     .1511233.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10755.8911233.84               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1319742.00   84732.03   532479.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1319742.00   84732.03   532479.10
  Q Total (cfs)           206224.30    Flow (cfs)              137382.10   11237.62   57604.54
  Top Width (ft)          15279.46    Top Width (ft)          10755.89     477.95    4045.62
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.10       0.13       0.11
  Max Chl Dpth (ft)         188.66    Hydr. Depth (ft)          122.70     177.28     131.62
  Conv. Total (cfs)       483159200.0    Conv. (cfs)            321870100.0   26328420.0   134960600.0
```

```
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10803.33     482.32    4114.35
  Min Ch El (ft)           571.22    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     3943.65     263.74    1601.82
  C & E Loss (ft)            0.00    Cum SA (acres)             30.45       1.39      11.73


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1286.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.57  680.16  608.84  679.91  995.94  676.04 1014.74   676.1
 1294.73  677.96 1319.16   677.7 1991.89  667.13 2029.47  667.44 2191.08  669.87
 2232.42     670 2788.64     670 2841.26  669.17 3784.59  650.31 3855.99     650
 4481.75     650 4566.31  643.37 4581.34  641.87 4667.78     640 4780.53     640
 4870.73  636.46 5178.91  621.05 5276.62  619.34 5876.07  614.21 5986.94     614
 7768.36     614 7867.96  614.78 7914.94  614.78 8016.41     615 8365.93     615
 8365.93   611.1 8523.78   611.1 8523.78     610 9162.68     610 9335.56  608.42
 9760.25  603.46 9944.41  600.83 9959.44  600.6110147.35     60010756.19     600
10934.29  571.2211034.29  571.2211234.29     60011716.04  604.3213353.98  609.63
13546.68   609.813777.92  634.9913835.72  643.4314009.15  654.2214317.47   663.9
14471.63  661.8814510.17  660.9714799.22  660.0614818.49  661.0915049.73  674.21
15280.97     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510756.19     .1511234.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10756.1911234.29               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1319793.00   84758.07   532600.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)           1319793.00   84758.07   532600.30
  Q Total (cfs)           206224.30    Flow (cfs)             137373.90   11239.91   57610.45
  Top Width (ft)          15280.97    Top Width (ft)          10756.19     478.10    4046.68
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.66    Hydr. Depth (ft)          122.70     177.28     131.61
  Conv. Total (cfs)       483209800.0    Conv. (cfs)           321884600.0   26336540.0   134988600.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10803.63     482.47    4115.42
  Min Ch El (ft)           571.22    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     3928.50     262.77    1595.71
  C & E Loss (ft)            0.00    Cum SA (acres)             30.33       1.39      11.68


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1286.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.58  680.16  608.86  679.91  995.97  676.04 1014.76   676.1
 1294.76  677.97 1319.19   677.7 1991.94  667.13 2029.53  667.44 2191.14  669.87
 2232.48     670 2788.72     670 2841.34  669.17 3784.69  650.31  3856.1     650
 4481.87     650 4566.44  643.36 4581.47  641.85 4667.91     640 4780.66     640
 4870.87  636.46 5179.05  621.05 5276.77  619.34 5876.23   614.2 5987.11     614
 7768.58     614 7868.18  614.78 7915.16  614.78 8016.63     615 8366.16     615
 8366.16  611.09 8524.01  611.09 8524.01     610 9162.94     610 9335.83  608.42
 9760.52  603.46 9944.68  600.83 9959.72   600.610147.64     600 10756.5     600
10934.74  571.2211034.74  571.2211234.74     60011716.62  604.3213354.98  609.64
13547.73   609.813779.03  635.0413836.86  643.4714010.33  654.2314318.73  663.91
14472.93  661.8714511.48  660.97 14800.6  660.0614819.88   661.115051.18  674.24
15282.48     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10756.5     .1511234.74     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10756.511234.74               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1319838.00   84782.58   532706.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)           1319838.00   84782.58   532706.80
  Q Total (cfs)           206224.30    Flow (cfs)             137367.30   11242.21   57614.81
  Top Width (ft)          15282.48    Top Width (ft)          10756.50     478.24    4047.74
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.66    Hydr. Depth (ft)          122.70     177.28     131.61
  Conv. Total (cfs)       483251200.0    Conv. (cfs)           321896600.0   26344180.0   135010400.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10803.94     482.61    4116.48
  Min Ch El (ft)           571.22    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     3913.35     261.80    1589.59
  C & E Loss (ft)            0.00    Cum SA (acres)             30.21       1.38      11.64


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 1285.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720   597.6  680.16  608.88  679.91     996  676.04 1014.79   676.1
   1294.8  677.97 1319.23   677.7    1992  667.13 2029.58  667.44  2191.2  669.87
  2232.54     670  2788.8     670 2841.42  669.17  3784.8   650.3 3856.21     650
     4482     650 4566.56  643.34  4581.6  641.84 4668.04     640  4780.8     640
     4871  636.45  5179.2  621.04 5276.92  619.34  5876.4   614.2 5987.27     614
   7768.8     614  7868.4  614.78 7915.38  614.78 8016.86     615  8366.4     615
   8366.4  611.08 8524.25  611.08 8524.25     610  9163.2     610 9336.09  608.41
   9760.8  603.46 9944.96  600.83    9960  600.610147.92     600 10756.8     600
  10935.2  571.22 11035.2  571.22 11235.2     600 11717.2  604.3313355.99  609.64
13548.79   609.813780.15  635.0913837.99  643.5214011.51  654.2314319.99  663.92
14474.23  661.8614512.79  660.9614801.99  660.0614821.27   661.115052.63  674.27
15283.99     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .15 10756.8     .15 11235.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10756.8 11235.2               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1319889.00   84810.49   532814.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1319889.00   84810.49   532814.60
  Q Total (cfs)           206224.30    Flow (cfs)              137360.50   11244.84   57618.92
  Top Width (ft)          15283.99    Top Width (ft)          10756.80     478.40    4048.79
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.66    Hydr. Depth (ft)          122.70     177.28     131.60
  Conv. Total (cfs)       483297600.0    Conv. (cfs)            321911700.0   26352880.0   135033000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10804.24     482.77    4117.53
  Min Ch El (ft)            571.22    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3898.20     260.83    1583.48
  C & E Loss (ft)             0.00    Cum SA (acres)             30.08       1.38      11.59


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1285.*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  597.62  680.16  608.89  679.91  996.03  676.04 1014.82   676.1
  1294.84  677.97 1319.27   677.7 1992.06  667.12 2029.64  667.44 2191.26  669.87
  2232.61     670 2788.88     670  2841.5  669.17 3784.91   650.3 3856.32     650
  4482.12     650 4566.69  643.33 4581.73  641.83 4668.18     640 4780.93     640
  4871.14  636.44 5179.34  621.03 5277.07  619.34 5876.56   614.2 5987.44     614
  7769.02     614 7868.62  614.79  7915.6  614.79 8017.08     615 8366.63     615
  8366.63  611.07 8524.49  611.07 8524.49     610 9163.46     610 9336.35  608.41
  9761.07  603.45 9945.24  600.82 9960.28  600.610148.21     600 10757.1     600
 10935.65  571.2111035.65  571.2111235.65    60011717.77  604.33   13357  609.64
 13549.85   609.813781.27  635.1413839.12  643.5614012.69  654.2414321.25  663.93
 14475.53  661.86 14514.1  660.9514803.37  660.0614822.66   661.115054.08   674.3
  15285.5     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .15 10757.1     .1511235.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10757.111235.65               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1319939.00   84839.58   532932.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1319939.00   84839.58   532932.30
  Q Total (cfs)           206224.30    Flow (cfs)              137352.30   11247.75   57624.23
  Top Width (ft)          15285.50    Top Width (ft)          10757.10     478.55    4049.85
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.67    Hydr. Depth (ft)          122.70     177.28     131.59
  Conv. Total (cfs)       483347900.0    Conv. (cfs)            321925900.0   26362430.0   135059500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10804.54     482.92    4118.59
  Min Ch El (ft)            571.21    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3883.05     259.85    1577.36
  C & E Loss (ft)             0.00    Cum SA (acres)             29.96       1.37      11.54


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1284.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  597.63  680.16  608.91  679.91  996.06  676.04 1014.85   676.1
  1294.87  677.97  1319.3   677.7 1992.11  667.12  2029.7  667.45 2191.32  669.87
  2232.67     670 2788.96     670 2841.58  669.17 3785.01   650.3 3856.43     650
  4482.25     650 4566.82  643.32 4581.86  641.81 4668.31     640 4781.07     640
  4871.28  636.44 5179.49  621.03 5277.22  619.34 5876.73   614.2 5987.61     614
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 7769.23     614 7868.84  614.79 7915.82  614.79 8017.31     615 8366.87     615
 8366.87  611.06 8524.73  611.06 8524.73     610 9163.71     610 9336.61  608.41
 9761.35  603.45 9945.52  600.82 9960.56  600.5910148.49     600 10757.4     600
 10936.1  571.21 11036.1  571.21 11236.1     60011718.35  604.3413358.01  609.65
13550.91  609.8113782.39  635.1813840.26  643.6114013.87  654.2514322.51  663.94
14476.83  661.8514515.41  660.9514804.76  660.0614824.05   661.115055.53  674.32
15287.01     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10757.4     .15 11236.1     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10757.4 11236.1               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1319979.00   84865.45   533030.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1319979.00   84865.45   533030.30
  Q Total (cfs)           206224.30    Flow (cfs)              137346.30   11250.34   57627.67
  Top Width (ft)          15287.01    Top Width (ft)          10757.40     478.70    4050.91
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.67    Hydr. Depth (ft)          122.70     177.28     131.58
  Conv. Total (cfs)       483384200.0    Conv. (cfs)             321936000.0   26370500.0   135077700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10804.85     483.07    4119.65
  Min Ch El (ft)            571.21    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3867.90     258.88    1571.24
  C & E Loss (ft)             0.00    Cum SA (acres)             29.84       1.37      11.50


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1284.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.65  680.16  608.93  679.91  996.08  676.04 1014.88   676.1
 1294.91  677.97 1319.34   677.7 1992.17  667.12 2029.76  667.45 2191.38  669.87
 2232.73     670 2789.03     670 2841.66  669.17 3785.12   650.3 3856.54     650
 4482.38     650 4566.95  643.31 4581.98   641.8 4668.44     640  4781.2     640
 4871.41  636.43 5179.64  621.02 5277.36  619.34 5876.89   614.2 5987.78     614
 7769.45     614 7869.06  614.79 7916.05  614.79 8017.53     615  8367.1     615
  8367.1  611.06 8524.97  611.06 8524.97     610 9163.97     610 9336.88   608.4
 9761.62  603.45  9945.8  600.81 9960.84  600.5910148.78     600 10757.7     600
10936.56  571.2111036.56  571.2111236.56     60011718.93  604.3413359.01  609.65
13551.96  609.81 13783.5  635.2313841.39  643.6614015.04  654.2614323.77  663.94
14478.13  661.8514516.72  660.9414806.14  660.0614825.44   661.115056.98  674.35
15288.52     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10757.7     .1511236.56     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10757.711236.56               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1320025.00   84893.36   533147.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1320025.00   84893.36   533147.20
  Q Total (cfs)           206224.30    Flow (cfs)              137338.10   11252.94   57633.22
  Top Width (ft)          15288.52    Top Width (ft)          10757.70     478.86    4051.96
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.67    Hydr. Depth (ft)          122.71     177.28     131.58
  Conv. Total (cfs)       483432100.0    Conv. (cfs)             321948800.0   26379200.0   135104100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10805.15     483.22    4120.70
  Min Ch El (ft)            571.21    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3852.75     257.90    1565.13
  C & E Loss (ft)             0.00    Cum SA (acres)             29.71       1.36      11.45


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1283.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.67  680.16  608.94  679.91  996.11  676.04 1014.91   676.1
 1294.95  677.97 1319.38   677.7 1992.22  667.12 2029.81  667.45 2191.45  669.87
 2232.79     670 2789.11     670 2841.74  669.17 3785.22   650.3 3856.64     650
  4482.5     650 4567.08  643.29 4582.11  641.79 4668.57     640 4781.34     640
 4871.55  636.42 5179.78  621.01 5277.51  619.34 5877.06   614.2 5987.95     614
 7769.67     614 7869.28  614.79 7916.27  614.79 8017.76     615 8367.34     615
 8367.34  611.05 8525.21  611.05 8525.21     610 9164.23     610 9337.14   608.4
 9761.89  603.44 9946.08  600.81 9961.12  600.5810149.06     60010758.01     600
10937.01  571.2111037.01  571.2111237.01     60011719.51  604.3513360.02  609.65
13553.02  609.8113784.62  635.2813842.52   643.714016.22  654.2714325.03  663.95
14479.43  661.8414518.03  660.9314807.53  660.0614826.83  661.1115058.43  674.38
15290.03     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510758.01     .1511237.01     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10758.0111237.01               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1320074.00   84917.87   533254.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1320074.00   84917.87   533254.10
  Q Total (cfs)           206224.30    Flow (cfs)              137331.70   11255.18   57637.42
  Top Width (ft)          15290.03    Top Width (ft)          10758.01     479.00    4053.02
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.67    Hydr. Depth (ft)          122.71     177.28     131.57
  Conv. Total (cfs)       483475600.0    Conv. (cfs)            321962700.0   26386840.0   135126100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10805.46     483.36    4121.76
  Min Ch El (ft)            571.21    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3837.60     256.93    1559.00
  C & E Loss (ft)             0.00    Cum SA (acres)             29.59       1.35      11.40


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1283.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.68  680.15  608.96  679.91  996.14  676.04 1014.93   676.1
 1294.98  677.97 1319.42  677.69 1992.28  667.12 2029.87  667.45 2191.51  669.87
 2232.86     670 2789.19     670 2841.82  669.16 3785.33  650.29 3856.75     650
 4482.63     650 4567.21  643.28 4582.24  641.78  4668.7     640 4781.47     640
 4871.69  636.42 5179.93     621 5277.66  619.33 5877.22   614.2 5988.11     614
 7769.89     614  7869.5  614.79 7916.49  614.79 8017.98     615 8367.57     615
 8367.57  611.04 8525.45  611.04 8525.45     610 9164.48     610  9337.4   608.4
 9762.17  603.44 9946.36   600.8  9961.4  600.5810149.35     60010758.31     600
10937.46  571.2111037.46  571.2111237.46     60011720.09  604.3513361.03  609.65
13554.08  609.8113785.74  635.3313843.66  643.75 14017.4  654.2714326.28  663.96
14480.72  661.8314519.33  660.9314808.91  660.0614828.22  661.1115059.88  674.41
15291.54     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510758.31     .1511237.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10758.3111237.46               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1320136.00   84944.07   533372.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1320136.00   84944.07   533372.40
  Q Total (cfs)           206224.30    Flow (cfs)              137324.50   11257.40   57642.37
  Top Width (ft)          15291.54    Top Width (ft)          10758.31     479.15    4054.08
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.67    Hydr. Depth (ft)          122.71     177.28     131.56
  Conv. Total (cfs)       483529900.0    Conv. (cfs)            321982000.0   26395000.0   135152900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10805.76     483.51    4122.82
  Min Ch El (ft)            571.21    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3822.44     255.95    1552.88
  C & E Loss (ft)             0.00    Cum SA (acres)             29.47       1.35      11.36


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1282.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   597.7  680.15  608.98  679.91  996.17  676.04 1014.96   676.1
 1295.02  677.97 1319.45  677.69 1992.34  667.12 2029.93  667.45 2191.57  669.87
 2232.92     670 2789.27     670  2841.9  669.16 3785.44  650.29 3856.86     650
 4482.75     650 4567.33  643.27 4582.37  641.76 4668.83     640  4781.6     640
 4871.82  636.41 5180.07     621 5277.81  619.33 5877.39  614.19 5988.28     614
 7770.11     614 7869.72  614.79 7916.71  614.79 8018.21     615 8367.81     615
 8367.81  611.03 8525.69  611.03 8525.69     610 9164.74     610 9337.66  608.39
 9762.44  603.44 9946.64   600.8 9961.68  600.5710149.63     60010758.61     600
10937.92  571.2111037.92  571.2111237.92     60011720.67  604.3613362.03  609.66
13555.14  609.8113786.86  635.3813844.79  643.7914018.58  654.2814327.54  663.97
14482.02  661.8314520.64  660.92 14810.3  660.0614829.61  661.1115061.33  674.43
15293.05     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510758.61     .1511237.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10758.6111237.92               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1320186.00   84971.81   533471.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1320186.00   84971.81   533471.20
  Q Total (cfs)           206224.30    Flow (cfs)              137318.80   11260.13   57645.42
  Top Width (ft)          15293.05    Top Width (ft)          10758.61     479.31    4055.13
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  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.67    Hydr. Depth (ft)          122.71     177.28     131.55
  Conv. Total (cfs)       483571300.0    Conv. (cfs)            321996100.0   26403650.0   135171600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10806.06     483.67    4123.87
  Min Ch El (ft)            571.21    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3807.29     254.98    1546.76
  C & E Loss (ft)             0.00    Cum SA (acres)             29.34       1.34      11.31


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1282.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.72  680.15     609  679.91   996.2  676.04 1014.99   676.1
 1295.05  677.97 1319.49  677.69 1992.39  667.12 2029.98  667.45 2191.63  669.87
 2232.98     670 2789.35     670 2841.98  669.16 3785.54  650.29 3856.97     650
 4482.88     650 4567.46  643.25  4582.5  641.75 4668.96     640 4781.74     640
 4871.96   636.4 5180.22  620.99 5277.96  619.33 5877.55  614.19 5988.45     614
 7770.33     614 7869.95  614.79 7916.94  614.79 8018.43     615 8368.04     615
 8368.04  611.03 8525.93  611.03 8525.93     610    9165     610 9337.92  608.39
 9762.72  603.43 9946.92   600.8 9961.96  600.5710149.92     60010758.91     600
10938.37  571.2111038.37  571.2111238.37     60011721.25  604.3613363.04  609.66
13556.19  609.8113787.98  635.4313845.92  643.8414019.76  654.29 14328.8  663.97
14483.32  661.8214521.95  660.9114811.68  660.06   14831  661.1115062.78  674.46
15294.56     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510758.91     .1511238.37     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10758.9111238.37               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1320231.00   84998.02   533590.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1320231.00   84998.02   533590.90
  Q Total (cfs)           206224.30    Flow (cfs)              137310.50   11262.49   57651.36
  Top Width (ft)          15294.56    Top Width (ft)          10758.91     479.46    4056.19
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.67    Hydr. Depth (ft)          122.71     177.28     131.55
  Conv. Total (cfs)       483619400.0    Conv. (cfs)            322008600.0   26411820.0   135199000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10806.36     483.82    4124.93
  Min Ch El (ft)            571.21    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3792.14     254.00    1540.64
  C & E Loss (ft)             0.00    Cum SA (acres)             29.22       1.34      11.26


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1281.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.73  680.15  609.01  679.91  996.22  676.04 1015.02   676.1
 1295.09  677.97 1319.53  677.69 1992.45  667.12 2030.04  667.45 2191.69  669.88
 2233.04     670 2789.43     670 2842.06  669.16 3785.65  650.29 3857.08     650
 4483.01     650 4567.59  643.24 4582.63  641.74 4669.09     640 4781.87     640
  4872.1   636.4 5180.36  620.98 5278.11  619.33 5877.72  614.19 5988.62     614
 7770.54     614 7870.17   614.8 7917.16   614.8 8018.66     615 8368.28     615
 8368.28  611.02 8526.17  611.02 8526.17     610 9165.26     610 9338.19  608.39
 9762.99  603.43  9947.2  600.79 9962.24  600.57 10150.2     60010759.21     600
10938.82   571.211038.82   571.211238.82     60011721.83  604.3713364.05  609.66
13557.25  609.8113789.09  635.4713847.05  643.8814020.94   654.314330.06  663.98
14484.62  661.8214523.26  660.9114813.07  660.0614832.39  661.1115064.23  674.49
15296.07     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510759.21     .1511238.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10759.2111238.82               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1320271.00   85027.13   533697.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1320271.00   85027.13   533697.60
  Q Total (cfs)           206224.30    Flow (cfs)              137303.00   11265.60   57655.73
  Top Width (ft)          15296.07    Top Width (ft)          10759.21     479.61    4057.25
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.68    Hydr. Depth (ft)          122.71     177.28     131.54
  Conv. Total (cfs)       483661000.0    Conv. (cfs)            322018700.0   26421380.0   135220900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10806.67     483.97    4125.99
  Min Ch El (ft)            571.20    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3776.98     253.03    1534.51
  C & E Loss (ft)             0.00    Cum SA (acres)             29.10       1.33      11.22


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1281.*

INPUT
Description:
Station Elevation Data     num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.75  680.15  609.03  679.91  996.25  676.04 1015.05   676.1
 1295.13  677.97 1319.56  677.69  1992.5  667.12  2030.1  667.45 2191.75  669.88
 2233.11     670  2789.5     670 2842.14  669.16 3785.76  650.28 3857.19     650
 4483.13     650 4567.72  643.23 4582.76  641.72 4669.22     640 4782.01     640
 4872.23  636.39 5180.51  620.97 5278.25  619.33 5877.88  614.19 5988.79     614
 7770.76     614 7870.39   614.8 7917.38   614.8 8018.89     615 8368.51     615
 8368.51  611.01 8526.41  611.01 8526.41     610 9165.51     610 9338.45  608.38
 9763.26  603.43 9947.48  600.79 9962.52  600.5610150.49     60010759.52     600
10939.28   571.211039.28   571.211239.28     60011722.41  604.3713365.06  609.66
13558.31  609.8213790.21  635.5213848.19  643.9314022.12  654.3114331.32  663.99
14485.92  661.8114524.57   660.914814.45  660.0614833.78  661.1215065.68  674.52
15297.58     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510759.52     .1511239.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10759.5211239.28               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1320325.00   85053.34   533810.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1320325.00   85053.34   533810.20
  Q Total (cfs)           206224.30    Flow (cfs)              137296.00   11267.95   57660.40
  Top Width (ft)          15297.58    Top Width (ft)           10759.52     479.76    4058.30
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.68    Hydr. Depth (ft)           122.71     177.28     131.54
  Conv. Total (cfs)       483709800.0    Conv. (cfs)            322034800.0   26429550.0   135245500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         10806.97     484.12    4127.04
  Min Ch El (ft)            571.20    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3761.83     252.05    1528.38
  C & E Loss (ft)             0.00    Cum SA (acres)             28.97       1.33      11.17


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1280.5*

INPUT
Description:
Station Elevation Data     num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.77  680.15  609.05  679.91  996.28  676.04 1015.08   676.1
 1295.16  677.97  1319.6  677.69 1992.56  667.12 2030.15  667.45 2191.81  669.88
 2233.17     670 2789.58     670 2842.22  669.16 3785.86  650.28 3857.29     650
 4483.26     650 4567.85  643.22 4582.89  641.71 4669.36     640 4782.14     640
 4872.37  636.38 5180.65  620.97  5278.4  619.33 5878.05  614.19 5988.96     614
 7770.98     614 7870.61   614.8  7917.6   614.8 8019.11     615 8368.75     615
 8368.75     611 8526.65     611 8526.65     610 9165.77     610 9338.71  608.38
 9763.54  603.43 9947.76  600.78 9962.79  600.5610150.77     60010759.82     600
10939.73   571.211039.73   571.211239.73     60011722.99  604.3813366.06  609.67
13559.37  609.8213791.33  635.5713849.32  643.9714023.29  654.3214332.58     664
14487.22   661.814525.88  660.8914815.84  660.0614835.17  661.1215067.13  674.54
15299.09     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510759.82     .1511239.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10759.8211239.73               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1320368.00   85079.38   533911.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1320368.00   85079.38   533911.10
  Q Total (cfs)           206224.30    Flow (cfs)              137289.70   11270.50   57664.08
  Top Width (ft)          15299.09    Top Width (ft)           10759.82     479.91    4059.36
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.68    Hydr. Depth (ft)           122.71     177.28     131.53
  Conv. Total (cfs)       483748500.0    Conv. (cfs)            322045900.0   26437670.0   135264900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         10807.28     484.26    4128.10
  Min Ch El (ft)            571.20    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3746.67     251.07    1522.26
  C & E Loss (ft)             0.00    Cum SA (acres)             28.85       1.32      11.12


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1280.*

INPUT
Description:
Station Elevation Data     num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.78  680.15  609.06  679.91  996.31  676.04 1015.11   676.1
  1295.2  677.97 1319.64  677.69 1992.61  667.12 2030.21  667.45 2191.88  669.88
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 2233.23     670 2789.66     670  2842.3  669.15 3785.97  650.28  3857.4     650
 4483.38     650 4567.98   643.2 4583.01   641.7 4669.49     640 4782.28     640
 4872.51  636.37  5180.8  620.96 5278.55  619.33 5878.21  614.19 5989.12     614
  7771.2     614 7870.83   614.8 7917.82   614.8 8019.34     615 8368.98     615
 8368.98     611 8526.89     611 8526.89     610 9166.03     610 9338.97  608.38
 9763.81  603.42 9948.04  600.78 9963.08  600.5510151.06     60010760.12     600
10940.18   571.211040.18   571.211240.18     60011723.57  604.3813367.07  609.67
13560.42  609.8213792.45  635.6213850.45  644.0214024.47  654.3214333.84     664
14488.52   661.814527.19  660.8914817.22  660.0614836.56  661.1215068.58  674.57
 15300.6     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510760.12     .1511240.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10760.1211240.18               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1320419.00   85105.42   534030.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1320419.00   85105.42   534030.80
  Q Total (cfs)           206224.30    Flow (cfs)              137281.80   11272.79   57669.73
  Top Width (ft)          15300.60    Top Width (ft)          10760.12     480.06    4060.42
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.68    Hydr. Depth (ft)          122.71     177.28     131.52
  Conv. Total (cfs)       483798900.0    Conv. (cfs)            322060900.0   26445790.0   135292300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10807.58     484.41    4129.16
  Min Ch El (ft)            571.20    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3731.52     250.10    1516.13
  C & E Loss (ft)             0.00    Cum SA (acres)             28.73       1.32      11.08


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1279.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   597.8  680.15  609.08  679.91  996.34  676.04 1015.13   676.1
 1295.24  677.97 1319.67  677.69 1992.67  667.12 2030.27  667.45 2191.94  669.88
  2233.3     670 2789.74     670 2842.38  669.15 3786.07  650.28 3857.51     650
 4483.51     650  4568.1  643.19 4583.14  641.69 4669.62     640 4782.41     640
 4872.64  636.37 5180.94  620.95  5278.7  619.33 5878.38  614.19 5989.29     614
 7771.42     614 7871.05   614.8 7918.05   614.8 8019.56     615 8369.22     615
 8369.22  610.99 8527.13  610.99 8527.13     610 9166.29     610 9339.24  608.38
 9764.09  603.42 9948.32  600.78 9963.35  600.5510151.34     60010760.42     600
10940.63   571.211040.63   571.211240.63     60011724.14  604.3913368.08  609.67
13561.48  609.8213793.57  635.6713851.59  644.0614025.65  654.33 14335.1  664.01
14489.82  661.79 14528.5  660.8814818.61  660.0514837.95  661.1215070.03   674.6
15302.12     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510760.42     .1511240.63     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10760.4211240.63               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1320460.00   85131.63   534141.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1320460.00   85131.63   534141.10
  Q Total (cfs)           206224.30    Flow (cfs)              137274.40   11275.29   57674.58
  Top Width (ft)          15302.12    Top Width (ft)          10760.42     480.21    4061.49
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.68    Hydr. Depth (ft)          122.71     177.28     131.51
  Conv. Total (cfs)       483841100.0    Conv. (cfs)            322071700.0   26453960.0   135315400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10807.88     484.56    4130.24
  Min Ch El (ft)            571.20    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3716.36     249.12    1510.00
  C & E Loss (ft)             0.00    Cum SA (acres)             28.60       1.31      11.03


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1279.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.82  680.15   609.1  679.91  996.36  676.04 1015.16   676.1
 1295.27  677.97 1319.71  677.69 1992.73  667.11 2030.33  667.45    2192  669.88
 2233.36     670 2789.82     670 2842.46  669.15 3786.18  650.28 3857.62     650
 4483.64     650 4568.23  643.18 4583.27  641.67 4669.75     640 4782.54     640
 4872.78  636.36 5181.09  620.95 5278.85  619.32 5878.54  614.18 5989.46     614
 7771.63     614 7871.27   614.8 7918.27   614.8 8019.79     615 8369.45     615
 8369.45  610.98 8527.37  610.98 8527.37     610 9166.54     610  9339.5  608.37
 9764.36  603.42 9948.59  600.77 9963.63  600.5510151.63     60010760.72     600
10941.09   571.211041.09   571.211241.09     60011724.72  604.3913369.08  609.67
13562.54  609.8213794.68  635.7213852.72  644.1114026.83  654.3414336.35  664.02
14491.12  661.7914529.81  660.8714819.99  660.0514839.33  661.1315071.48  674.63
15303.62     695

Manning's n Values        num=       3
```

```
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510760.72     .1511241.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10760.7211241.09               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1320517.00   85159.55   534253.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1320517.00   85159.55   534253.60
  Q Total (cfs)           206224.30    Flow (cfs)              137267.40   11277.82   57679.11
  Top Width (ft)          15303.62    Top Width (ft)          10760.72     480.37    4062.53
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.68    Hydr. Depth (ft)          122.72     177.28     131.51
  Conv. Total (cfs)       483891500.0    Conv. (cfs)             322088700.0   26462660.0   135340200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10808.18     484.72    4131.28
  Min Ch El (ft)            571.20    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3701.20     248.14    1503.86
  C & E Loss (ft)             0.00    Cum SA (acres)             28.48       1.31      10.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1278.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.83  680.14  609.11  679.91  996.39  676.04 1015.19   676.1
 1295.31  677.97 1319.75  677.69 1992.78  667.11 2030.38  667.46 2192.06  669.88
 2233.42     670  2789.9     670 2842.54  669.15 3786.29  650.27 3857.73     650
 4483.76     650 4568.36  643.16  4583.4  641.66 4669.88     640 4782.68     640
 4872.92  636.35 5181.24  620.94 5278.99  619.32 5878.71  614.18 5989.63     614
 7771.85     614 7871.49  614.81 7918.49  614.81 8020.01     615 8369.69     615
 8369.69  610.97 8527.61  610.97 8527.61     610  9166.8     610 9339.76  608.37
 9764.64  603.41 9948.87  600.77 9963.91  600.5410151.91     60010761.03     600
10941.54  571.1911041.54  571.1911241.54     600 11725.3  604.3913370.09  609.68
13563.59  609.82 13795.8  635.7613853.85  644.1514028.01  654.3514337.61  664.03
14492.42  661.7814531.12  660.8714821.38  660.0514840.72  661.1315072.93  674.65
15305.14     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510761.03     .1511241.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10761.0311241.54               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1320572.00   85186.79   534365.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1320572.00   85186.79   534365.60
  Q Total (cfs)           206224.30    Flow (cfs)              137260.30   11280.50   57683.45
  Top Width (ft)          15305.14    Top Width (ft)          10761.03     480.51    4063.60
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.69    Hydr. Depth (ft)          122.72     177.28     131.50
  Conv. Total (cfs)       483940700.0    Conv. (cfs)             322104900.0   26471640.0   135364100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10808.49     484.86    4132.35
  Min Ch El (ft)            571.19    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3686.04     247.17    1497.73
  C & E Loss (ft)             0.00    Cum SA (acres)             28.35       1.30      10.94


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1278.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.85  680.14  609.13  679.91  996.42  676.04 1015.22   676.1
 1295.35  677.97 1319.79  677.69 1992.84  667.11 2030.44  667.46 2192.12  669.88
 2233.48     670 2789.97     670 2842.62  669.15 3786.39  650.27 3857.83     650
 4483.89     650 4568.49  643.15 4583.53  641.65 4670.01     640 4782.81     640
 4873.05  636.35 5181.38  620.93 5279.14  619.32 5878.87  614.18  5989.8     614
 7772.07     614 7871.71  614.81 7918.71  614.81 8020.24     615 8369.92     615
 8369.92  610.97 8527.85  610.97 8527.85     610 9167.06     610 9340.02  608.37
 9764.91  603.41 9949.15  600.76 9964.19  600.54 10152.2     60010761.33     600
10941.99  571.1911041.99  571.1911241.99     60011725.88   604.4 13371.1  609.68
13564.65  609.8213796.92  635.8113854.99   644.214029.18  654.3614338.87  664.03
14493.72  661.7714532.43  660.8614822.76  660.0514842.12  661.1315074.38  674.68
15306.65     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510761.33     .1511241.99     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10761.3311241.99               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1320613.00   85213.00   534474.90
```

```
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1320613.00   85213.00   534474.90
  Q Total (cfs)           206224.30    Flow (cfs)              137253.00   11283.01   57688.24
  Top Width (ft)          15306.65    Top Width (ft)          10761.33     480.66    4064.66
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.69    Hydr. Depth (ft)          122.72     177.28     131.49
  Conv. Total (cfs)       483982400.0    Conv. (cfs)             322115600.0   26479810.0   135387000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10808.79     485.01    4133.41
  Min Ch El (ft)            571.19    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3670.89     246.19    1491.60
  C & E Loss (ft)             0.00    Cum SA (acres)             28.23       1.29      10.89


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1277.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.87  680.14  609.15  679.91  996.45  676.04 1015.25   676.1
 1295.38  677.97 1319.82  677.69 1992.89  667.11  2030.5  667.46 2192.18  669.88
 2233.55     670 2790.05     670  2842.7  669.15  3786.5  650.27 3857.94     650
 4484.01     650 4568.62  643.14 4583.66  641.63 4670.14     640 4782.95     640
 4873.19  636.34 5181.53  620.92 5279.29  619.32 5879.04  614.18 5989.96     614
 7772.29     614 7871.93  614.81 7918.94  614.81 8020.46     615 8370.16     615
 8370.16  610.96 8528.08  610.96 8528.08     610 9167.32     610 9340.28  608.36
 9765.18  603.41 9949.43  600.76 9964.47  600.5310152.48     60010761.63     600
10942.45  571.1911042.45  571.1911242.45     60011726.46   604.4 13372.1  609.68
13565.71  609.8313798.04  635.8613856.12  644.2414030.36  654.3614340.13  664.04
14495.01  661.7714533.74  660.8514824.14  660.05 14843.5  661.1315075.83  674.71
15308.16     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510761.63     .1511242.45     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10761.6311242.45               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1320661.00   85240.91   534591.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1320661.00   85240.91   534591.10
  Q Total (cfs)           206224.30    Flow (cfs)              137245.10   11285.60   57693.64
  Top Width (ft)          15308.16    Top Width (ft)          10761.63     480.82    4065.71
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.69    Hydr. Depth (ft)          122.72     177.28     131.49
  Conv. Total (cfs)       484030600.0    Conv. (cfs)             322128900.0   26488510.0   135413200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10809.09     485.17    4134.46
  Min Ch El (ft)            571.19    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3655.73     245.21    1485.46
  C & E Loss (ft)             0.00    Cum SA (acres)             28.11       1.29      10.84


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1277.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.89  680.14  609.17  679.91  996.48  676.04 1015.28   676.1
 1295.42  677.97 1319.86  677.69 1992.95  667.11 2030.55  667.46 2192.25  669.88
 2233.61     670 2790.13     670 2842.77  669.14 3786.61  650.27 3858.05     650
 4484.14     650 4568.75  643.13 4583.79  641.62 4670.27     640 4783.08     640
 4873.33  636.33 5181.67  620.92 5279.44  619.32  5879.2  614.18 5990.13     614
 7772.51     614 7872.16  614.81 7919.16  614.81 8020.69     615 8370.39     615
 8370.39  610.95 8528.32  610.95 8528.32     610 9167.57     610 9340.55  608.36
 9765.46   603.4 9949.71  600.75 9964.75  600.5310152.77     60010761.93     600
 10942.9  571.19 11042.9  571.19 11242.9     60011727.04  604.4113373.11  609.68
13566.77  609.8313799.15  635.9113857.25  644.2914031.54  654.3714341.39  664.05
14496.31  661.7614535.04  660.8514825.53  660.0514844.89  661.1315077.28  674.74
15309.67     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510761.93     .15 11242.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10761.93 11242.9               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1320711.00   85267.13   534696.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1320711.00   85267.13   534696.00
  Q Total (cfs)           206224.30    Flow (cfs)              137238.80   11288.06   57697.43
  Top Width (ft)          15309.67    Top Width (ft)          10761.93     480.97    4066.77
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.69    Hydr. Depth (ft)          122.72     177.28     131.48
  Conv. Total (cfs)       484074300.0    Conv. (cfs)             322143400.0   26496680.0   135434300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10809.39     485.31    4135.52
  Min Ch El (ft)            571.19    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3640.57     244.23    1479.32
  C & E Loss (ft)             0.00    Cum SA (acres)             27.98       1.28      10.80
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1276.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   597.9  680.14  609.18  679.91   996.5  676.03 1015.31   676.1
 1295.45  677.97  1319.9  677.69 1993.01  667.11 2030.61  667.46 2192.31  669.88
 2233.67     670 2790.21     670 2842.85  669.14 3786.71  650.27 3858.16     650
 4484.26     650 4568.87  643.11 4583.92  641.61  4670.4     640 4783.22     640
 4873.47  636.33 5181.82  620.91 5279.59  619.32 5879.37  614.18  5990.3     614
 7772.73     614 7872.38  614.81 7919.38  614.81 8020.91     615 8370.63     615
 8370.63  610.94 8528.56  610.94 8528.56     610 9167.83     610 9340.81  608.36
 9765.73   603.4 9949.99  600.75 9965.03  600.5210153.05     60010762.24     600
10943.35  571.1911043.35  571.1911243.35     60011727.62  604.4113374.12  609.69
13567.83  609.8313800.27  635.9613858.38  644.3414032.72  654.3814342.65  664.06
14497.61  661.7614536.35  660.8414826.91  660.0514846.28  661.1415078.73  674.76
15311.18     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510762.24     .1511243.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10762.2411243.35               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1320757.00   85291.29   534804.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1320757.00   85291.29   534804.40
  Q Total (cfs)           206224.30    Flow (cfs)              137232.10   11290.26   57701.93
  Top Width (ft)          15311.18    Top Width (ft)          10762.24     481.11    4067.83
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.69    Hydr. Depth (ft)          122.72     177.28     131.47
  Conv. Total (cfs)       484117200.0    Conv. (cfs)            322156100.0   26504210.0   135456900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10809.71     485.45    4136.58
  Min Ch El (ft)            571.19    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3625.41     243.25    1473.19
  C & E Loss (ft)             0.00    Cum SA (acres)             27.86       1.28      10.75


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1276.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.92  680.14   609.2  679.91  996.53  676.03 1015.33   676.1
 1295.49  677.97 1319.93  677.69 1993.06  667.11 2030.67  667.46 2192.37  669.89
 2233.73     670 2790.29     670 2842.93  669.14 3786.82  650.26 3858.27     650
 4484.39     650    4569   643.1 4584.04   641.6 4670.54     640 4783.35     640
  4873.6  636.32 5181.96   620.9 5279.74  619.32 5879.53  614.18 5990.47     614
 7772.94     614  7872.6  614.81  7919.6  614.81 8021.14     615 8370.86     615
 8370.86  610.94  8528.8  610.94  8528.8     610 9168.09     610 9341.07  608.35
 9766.01   603.4 9950.27  600.75 9965.31  600.5210153.34     60010762.54     600
10943.81  571.1911043.81  571.1911243.81     600 11728.2  604.4213375.13  609.69
13568.88  609.8313801.39  636.0113859.52  644.38 14033.9  654.3914343.91  664.06
14498.91  661.7514537.66  660.83 14828.3  660.0514847.67  661.1415080.18  674.79
15312.69     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510762.54     .1511243.81     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10762.5411243.81               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1320806.00   85319.20   534912.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1320806.00   85319.20   534912.90
  Q Total (cfs)           206224.30    Flow (cfs)              137225.10   11292.91   57706.25
  Top Width (ft)          15312.69    Top Width (ft)          10762.54     481.27    4068.88
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.69    Hydr. Depth (ft)          122.72     177.28     131.46
  Conv. Total (cfs)       484162600.0    Conv. (cfs)            322170000.0   26512910.0   135479700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10810.01     485.61    4137.64
  Min Ch El (ft)            571.19    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3610.25     242.27    1467.05
  C & E Loss (ft)             0.00    Cum SA (acres)             27.74       1.27      10.70


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1275.5*

INPUT
Description:
Station Elevation Data    num=      56
```

```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.94  680.14  609.22  679.91  996.56  676.03 1015.36   676.1
 1295.53  677.97 1319.97  677.69 1993.12  667.11 2030.72  667.46 2192.43  669.89
  2233.8     670 2790.37     670 2843.01  669.14 3786.93  650.26 3858.38     650
 4484.52     650 4569.13  643.09 4584.17  641.58 4670.67     640 4783.48     640
 4873.74  636.31 5182.11  620.89 5279.88  619.32  5879.7  614.17 5990.64     614
 7773.16     614 7872.82  614.81 7919.83  614.81 8021.36     615  8371.1     615
  8371.1  610.93 8529.04  610.93 8529.04     610 9168.34     610 9341.33  608.35
 9766.28  603.39 9950.55  600.74 9965.59  600.5210153.62     60010762.84     600
10944.26  571.1911044.26  571.1911244.26     60011728.78  604.4213376.13  609.69
13569.94  609.8313802.51  636.0513860.65  644.4314035.08   654.414345.17  664.07
14500.21  661.7414538.97  660.8314829.68  660.0514849.06  661.1415081.63  674.82
 15314.2     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510762.84     .1511244.26     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10762.8411244.26               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1320857.00   85345.41   535030.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1320857.00   85345.41   535030.10
  Q Total (cfs)           206224.30    Flow (cfs)              137217.50   11295.24   57711.57
  Top Width (ft)          15314.20    Top Width (ft)          10762.84     481.42    4069.94
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.69    Hydr. Depth (ft)          122.72     177.28     131.46
  Conv. Total (cfs)       484211900.0    Conv. (cfs)             322184800.0   26521080.0   135506000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10810.31     485.76    4138.70
  Min Ch El (ft)            571.19    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3595.09     241.29    1460.91
  C & E Loss (ft)             0.00    Cum SA (acres)             27.61       1.27      10.66


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1275.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.95  680.14  609.23  679.91  996.59  676.03 1015.39   676.1
 1295.56  677.97 1320.01  677.69 1993.17  667.11 2030.78  667.46 2192.49  669.89
 2233.86     670 2790.44     670 2843.09  669.14 3787.03  650.26 3858.48     650
 4484.64     650 4569.26  643.07  4584.3  641.57  4670.8     640 4783.62     640
 4873.88  636.31 5182.25  620.89 5280.03  619.31 5879.86  614.17 5990.81     614
 7773.38     614 7873.04  614.82 7920.05  614.82 8021.59     615 8371.33     615
 8371.33  610.92 8529.28  610.92 8529.28     610  9168.6     610 9341.59  608.35
 9766.55  603.39 9950.83  600.74 9965.87  600.5110153.91     60010763.14     600
10944.71  571.1811044.71  571.1811244.71     60011729.36  604.4313377.14  609.69
   13571  609.8313803.62   636.113861.78  644.4714036.25   654.414346.42  664.08
14501.51  661.7414540.28  660.8214831.07  660.0514850.45  661.1415083.08  674.85
15315.71     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510763.14     .1511244.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10763.1411244.71               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1320901.00   85374.54   535139.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1320901.00   85374.54   535139.00
  Q Total (cfs)           206224.30    Flow (cfs)              137210.00   11298.29   57716.06
  Top Width (ft)          15315.71    Top Width (ft)          10763.14     481.57    4071.00
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.70    Hydr. Depth (ft)          122.72     177.28     131.45
  Conv. Total (cfs)       484255900.0    Conv. (cfs)             322196400.0   26530640.0   135528800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10810.61     485.91    4139.76
  Min Ch El (ft)            571.18    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3579.92     240.31    1454.77
  C & E Loss (ft)             0.00    Cum SA (acres)             27.49       1.26      10.61


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1274.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.97  680.14  609.25  679.91  996.62  676.03 1015.42   676.1
  1295.6  677.97 1320.05  677.68 1993.23  667.11 2030.84  667.46 2192.55  669.89
 2233.92     670 2790.52     670 2843.17  669.14 3787.14  650.26 3858.59     650
 4484.77     650 4569.39  643.06 4584.43  641.56 4670.93     640 4783.75     640
 4874.01   636.3  5182.4  620.88 5280.18  619.31 5880.03  614.17 5990.97     614
  7773.6     614 7873.26  614.82 7920.27  614.82 8021.81     615 8371.57     615
 8371.57  610.91 8529.52  610.91 8529.52     610 9168.86     610 9341.86  608.35
 9766.83  603.39 9951.11  600.73 9966.15  600.5110154.19     60010763.44     600
10945.17  571.1811045.17  571.1811245.17     60011729.93  604.4313378.15   609.7
13572.05  609.8313804.74  636.1513862.92  644.5214037.43  654.4114347.68  664.09
14502.81  661.7314541.59  660.8114832.45  660.0514851.84  661.1415084.53  674.87
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15317.22     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510763.44     .1511245.17     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10763.4411245.17               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1320948.00   85402.29   535247.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1320948.00   85402.29   535247.80
  Q Total (cfs)           206224.30    Flow (cfs)              137202.90   11300.92   57720.47
  Top Width (ft)          15317.22    Top Width (ft)           10763.44     481.73    4072.05
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.70    Hydr. Depth (ft)           122.73     177.28     131.44
  Conv. Total (cfs)       484301000.0    Conv. (cfs)            322209900.0   26539290.0   135551800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         10810.91     486.07    4140.81
  Min Ch El (ft)            571.18    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3564.76     239.33    1448.62
  C & E Loss (ft)             0.00    Cum SA (acres)             27.37       1.26      10.56


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1274.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.99  680.13  609.27  679.91  996.64  676.03 1015.45   676.1
 1295.64  677.97 1320.08  677.68 1993.29  667.11  2030.9  667.46 2192.61  669.89
 2233.99     670  2790.6     670 2843.25  669.13 3787.24  650.26  3858.7     650
 4484.89     650 4569.52  643.05 4584.56  641.54 4671.06     640 4783.89     640
 4874.15  636.29 5182.54  620.87 5280.33  619.31 5880.19  614.17 5991.14     614
 7773.82     614 7873.48  614.82 7920.49  614.82 8022.04     615  8371.8     615
  8371.8  610.91 8529.76  610.91 8529.76     610 9169.12     610 9342.12  608.34
  9767.1  603.38 9951.39  600.73 9966.43   600.510154.48     60010763.75     600
10945.62  571.1811045.62  571.1811245.62     60011730.51  604.4413379.15   609.7
13573.11  609.8413805.86   636.213864.05  644.5614038.61  654.4214348.94  664.09
14504.11  661.73 14542.9  660.8114833.84  660.0514853.23  661.1515085.98   674.9
15318.73     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510763.75     .1511245.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10763.7511245.62               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1321007.00   85426.80   535351.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1321007.00   85426.80   535351.90
  Q Total (cfs)           206224.30    Flow (cfs)              137197.40   11303.10   57723.81
  Top Width (ft)          15318.73    Top Width (ft)           10763.75     481.87    4073.11
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.70    Hydr. Depth (ft)           122.73     177.28     131.44
  Conv. Total (cfs)       484347200.0    Conv. (cfs)            322227600.0   26546930.0   135572600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         10811.22     486.21    4141.87
  Min Ch El (ft)            571.18    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3549.60     238.35    1442.48
  C & E Loss (ft)             0.00    Cum SA (acres)             27.24       1.25      10.52


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1273.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     598  680.13  609.29  679.91  996.67  676.03 1015.48   676.1
 1295.67  677.97 1320.12  677.68 1993.34   667.1 2030.95  667.46 2192.68  669.89
 2234.05     670 2790.68     670 2843.33  669.13 3787.35  650.25 3858.81     650
 4485.02     650 4569.64  643.04 4584.69  641.53 4671.19     640 4784.02     640
 4874.29  636.29 5182.69  620.87 5280.48  619.31 5880.36  614.17 5991.31     614
 7774.04     614  7873.7  614.82 7920.71  614.82 8022.26     615 8372.04     615
 8372.04   610.9    8530   610.9    8530     610 9169.38     610 9342.38  608.34
 9767.38  603.38 9951.67  600.73 9966.71   600.510154.76     60010764.05     600
10946.07  571.1811046.07  571.1811246.07     60011731.09  604.4413380.16   609.7
13574.17  609.8413806.98  636.2513865.18  644.6114039.79  654.43 14350.2   664.1
14505.41  661.7214544.21   660.814835.22  660.0514854.62  661.1515087.43  674.93
15320.24     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510764.05     .1511246.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10764.0511246.07               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
```

```
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1321055.00   85453.01   535469.20
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1321055.00   85453.01   535469.20
  Q Total (cfs)          206224.30    Flow (cfs)              137189.50   11305.45   57729.31
  Top Width (ft)         15320.24    Top Width (ft)          10764.05     482.02    4074.17
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.70    Hydr. Depth (ft)          122.73     177.28     131.43
  Conv. Total (cfs)      484395200.0    Conv. (cfs)            322241100.0   26555100.0   135599000.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10811.52     486.35    4142.93
  Min Ch El (ft)           571.18    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     3534.44     237.37    1436.33
  C & E Loss (ft)            0.00    Cum SA (acres)             27.12       1.24      10.47


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1273.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.02  680.13   609.3  679.91   996.7  676.03  1015.5   676.1
 1295.71  677.97 1320.16  677.68  1993.4   667.1 2031.01  667.47 2192.74  669.89
 2234.11     670 2790.76     670 2843.41  669.13 3787.46  650.25 3858.92     650
 4485.15     650 4569.77  643.02 4584.82  641.52 4671.32     640 4784.16     640
 4874.42  636.28 5182.84  620.86 5280.62  619.31 5880.52  614.17 5991.48     614
 7774.25     614 7873.92  614.82 7920.94  614.82 8022.49     615 8372.27     615
 8372.27  610.89 8530.24  610.89 8530.24     610 9169.63     610 9342.64  608.34
 9767.65  603.38 9951.95  600.72 9966.99   600.510155.05     60010764.35     600
10946.53  571.1811046.53  571.1811246.53     60011731.67  604.4513381.17   609.7
13575.23  609.84 13808.1   636.313866.31  644.6514040.97  654.4414351.46  664.11
14506.71  661.7114545.52  660.7914836.61  660.0514856.01  661.1515088.88  674.96
15321.75     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510764.35     .1511246.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10764.3511246.53               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1321099.00   85480.92   535575.30
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1321099.00   85480.92   535575.30
  Q Total (cfs)          206224.30    Flow (cfs)              137182.60   11308.17   57733.56
  Top Width (ft)         15321.75    Top Width (ft)          10764.35     482.18    4075.22
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.70    Hydr. Depth (ft)          122.73     177.28     131.42
  Conv. Total (cfs)      484437600.0    Conv. (cfs)            322253000.0   26563800.0   135620800.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10811.82     486.51    4143.98
  Min Ch El (ft)           571.18    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     3519.27     236.39    1430.18
  C & E Loss (ft)            0.00    Cum SA (acres)             27.00       1.24      10.42


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1272.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.04  680.13  609.32  679.91  996.73  676.03 1015.53   676.1
 1295.75  677.97 1320.19  677.68 1993.45   667.1 2031.07  667.47  2192.8  669.89
 2234.17     670 2790.84     670 2843.49  669.13 3787.56  650.25 3859.03     650
 4485.27     650  4569.9  643.01 4584.94  641.51 4671.45     640 4784.29     640
 4874.56  636.27 5182.98  620.85 5280.77  619.31 5880.69  614.17 5991.65     614
 7774.47     614 7874.14  614.82 7921.16  614.82 8022.71     615 8372.51     615
 8372.51  610.88 8530.48  610.88 8530.48     610 9169.89     610 9342.91  608.33
 9767.93  603.37 9952.23  600.72 9967.27  600.4910155.33     60010764.65     600
10946.98  571.1811046.98  571.1811246.98     60011732.25  604.4513382.17  609.71
13576.28  609.8413809.21  636.3413867.45   644.714042.14  654.4514352.72  664.12
14508.01  661.7114546.83  660.7914837.99  660.05 14857.4  661.1515090.33  674.98
15323.26     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510764.65     .1511246.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10764.6511246.98               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1321150.00   85506.96   535684.10
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1321150.00   85506.96   535684.10
  Q Total (cfs)          206224.30    Flow (cfs)              137175.90   11310.56   57737.83
  Top Width (ft)         15323.26    Top Width (ft)          10764.65     482.33    4076.28
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.70    Hydr. Depth (ft)          122.73     177.28     131.42
  Conv. Total (cfs)      484483100.0    Conv. (cfs)            322267600.0   26571910.0   135643600.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10812.12     486.66    4145.04
  Min Ch El (ft)           571.18    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
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  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     3504.11     235.41    1424.04
  C & E Loss (ft)            0.00    Cum SA (acres)             26.87       1.23      10.38


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1272.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.05  680.13  609.34  679.91  996.76  676.03 1015.56   676.1
 1295.78  677.97 1320.23  677.68 1993.51   667.1 2031.12  667.47 2192.86  669.89
 2234.24     670 2790.91     670 2843.57  669.13 3787.67  650.25 3859.13     650
  4485.4     650 4570.03     643 4585.07  641.49 4671.58     640 4784.42     640
  4874.7  636.27 5183.13  620.84 5280.92  619.31 5880.85  614.16 5991.81     614
 7774.69     614 7874.36  614.82 7921.38  614.82 8022.94     615 8372.74     615
 8372.74  610.88 8530.72  610.88 8530.72     610 9170.15     610 9343.17  608.33
  9768.2  603.37  9952.5  600.71 9967.55  600.4910155.62     60010764.96     600
10947.43  571.1811047.43  571.1811247.43     60011732.83  604.4613383.18  609.71
13577.34  609.8413810.33  636.3913868.58  644.7414043.32  654.4514353.98  664.12
 14509.3   661.714548.14  660.7814839.38  660.0514858.79  661.1515091.78  675.01
15324.77     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510764.96     .1511247.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10764.9611247.43               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1321196.00   85531.30   535796.80
  E.G. Slope (ft/ft)      0.000000   Area (sq ft)            1321196.00   85531.30   535796.80
  Q Total (cfs)           206224.30   Flow (cfs)              137168.70   11312.75   57742.89
  Top Width (ft)          15324.77   Top Width (ft)          10764.96     482.47    4077.34
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.70    Hydr. Depth (ft)          122.73     177.28     131.41
  Conv. Total (cfs)       484527700.0   Conv. (cfs)             322280300.0   26579500.0   135668000.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10812.44     486.80    4146.10
  Min Ch El (ft)           571.18    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     3488.94     234.43    1417.89
  C & E Loss (ft)            0.00    Cum SA (acres)             26.75       1.23      10.33


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1271.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.07  680.13  609.35  679.91  996.78  676.03 1015.59   676.1
 1295.82  677.97 1320.27  677.68 1993.57   667.1 2031.18  667.47 2192.92  669.89
  2234.3     670 2790.99     670 2843.65  669.13 3787.78  650.24 3859.24     650
 4485.52     650 4570.16  642.98  4585.2  641.48 4671.72     640 4784.56     640
 4874.83  636.26 5183.27  620.84 5281.07  619.31 5881.02  614.16 5991.98     614
 7774.91     614 7874.59  614.83  7921.6  614.83 8023.16     615 8372.98     615
 8372.98  610.87 8530.96  610.87 8530.96     610  9170.4     610 9343.43  608.33
 9768.47  603.37 9952.78  600.71 9967.83  600.48 10155.9     60010765.26     600
10947.88  571.1711047.88  571.1711247.88     60011733.41  604.4613384.19  609.71
 13578.4  609.8413811.45  636.4413869.71  644.79 14044.5  654.4614355.24  664.13
 14510.6  661.6914549.45  660.7714840.76  660.0514860.18  661.1615093.23  675.04
15326.28     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510765.26     .1511247.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10765.2611247.88               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1321243.00   85560.43   535912.80
  E.G. Slope (ft/ft)      0.000000   Area (sq ft)            1321243.00   85560.43   535912.80
  Q Total (cfs)           206224.30   Flow (cfs)              137160.50   11315.69   57748.12
  Top Width (ft)          15326.28   Top Width (ft)          10765.26     482.62    4078.40
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.71    Hydr. Depth (ft)          122.73     177.28     131.40
  Conv. Total (cfs)       484575900.0   Conv. (cfs)             322293100.0   26589070.0   135693800.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10812.74     486.95    4147.17
  Min Ch El (ft)           571.17    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     3473.78     233.45    1411.74
  C & E Loss (ft)            0.00    Cum SA (acres)             26.63       1.22      10.28


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1271.*
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```
INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.09  680.13  609.37  679.91  996.81  676.03 1015.62   676.1
 1295.85  677.97  1320.3  677.68 1993.62   667.1 2031.24  667.47 2192.98  669.89
 2234.36     670 2791.07     670 2843.73  669.13 3787.88  650.24 3859.35     650
 4485.65     650 4570.28  642.97 4585.33  641.47 4671.85     640 4784.69     640
 4874.97  636.25 5183.42  620.83 5281.22   619.3 5881.19  614.16 5992.15     614
 7775.13     614 7874.81  614.83 7921.83  614.83 8023.39     615 8373.21     615
 8373.21  610.86  8531.2  610.86  8531.2     610 9170.66     610 9343.69  608.32
 9768.75  603.36 9953.06   600.7 9968.11  600.4810156.19     60010765.56     600
10948.34  571.1711048.34  571.1711248.34     60011733.99  604.47 13385.2  609.71
13579.46  609.8413812.57  636.4913870.85  644.8314045.68  654.47 14356.5  664.14
 14511.9  661.6914550.75  660.7714842.14  660.0514861.57  661.1615094.68  675.07
15327.79     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510765.56     .1511248.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10765.5611248.34               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1321296.00   85588.34   536016.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1321296.00   85588.34   536016.40
  Q Total (cfs)           206224.30    Flow (cfs)              137154.40   11318.33   57751.57
  Top Width (ft)          15327.79    Top Width (ft)          10765.56     482.78    4079.45
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.71    Hydr. Depth (ft)          122.73     177.28     131.39
  Conv. Total (cfs)       484621300.0    Conv. (cfs)            322309000.0   26597770.0   135714600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10813.04     487.11    4148.22
  Min Ch El (ft)            571.17    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3458.61     232.46    1405.58
  C & E Loss (ft)             0.00    Cum SA (acres)             26.50       1.22      10.24


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1270.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   598.1  680.13  609.39  679.91  996.84  676.03 1015.65   676.1
 1295.89  677.97 1320.34  677.68 1993.68   667.1 2031.29  667.47 2193.05   669.9
 2234.42     670 2791.15     670 2843.81  669.12 3787.99  650.24 3859.46     650
 4485.78     650 4570.41  642.96 4585.46  641.45 4671.98     640 4784.83     640
 4875.11  636.24 5183.56  620.82 5281.37   619.3 5881.35  614.16 5992.32     614
 7775.34     614 7875.03  614.83 7922.05  614.83 8023.61     615 8373.45     615
 8373.45  610.85 8531.44  610.85 8531.44     610 9170.92     610 9343.96  608.32
 9769.02  603.36 9953.34   600.7 9968.39  600.4710156.47     60010765.86     600
10948.79  571.1711048.79  571.1711248.79     60011734.57  604.47 13386.2  609.72
13580.51  609.8413813.69  636.5413871.98  644.8814046.86  654.4814357.75  664.15
 14513.2  661.6814552.06  660.7614843.53  660.0514862.96  661.1615096.13  675.09
 15329.3     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510765.86     .1511248.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10765.8611248.79               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1321345.00   85614.38   536126.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1321345.00   85614.38   536126.60
  Q Total (cfs)           206224.30    Flow (cfs)              137147.50   11320.73   57756.08
  Top Width (ft)          15329.30    Top Width (ft)          10765.86     482.93    4080.51
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.71    Hydr. Depth (ft)          122.73     177.28     131.39
  Conv. Total (cfs)       484666700.0    Conv. (cfs)            322322900.0   26605880.0   135737900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10813.34     487.25    4149.28
  Min Ch El (ft)            571.17    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3443.44     231.48    1399.43
  C & E Loss (ft)             0.00    Cum SA (acres)             26.38       1.21      10.19


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1270.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.12  680.13  609.41  679.91  996.87  676.03 1015.68   676.1
 1295.93  677.97 1320.38  677.68 1993.73   667.1 2031.35  667.47 2193.11   669.9
 2234.49     670 2791.23     670 2843.89  669.12 3788.09  650.24 3859.57     650
  4485.9     650 4570.54  642.95 4585.59  641.44 4672.11     640 4784.96     640
 4875.24  636.24 5183.71  620.81 5281.51   619.3 5881.52  614.16 5992.49     614
 7775.56     614 7875.25  614.83 7922.27  614.83 8023.84     615 8373.68     615
 8373.68  610.85 8531.68  610.85 8531.68     610 9171.18     610 9344.22  608.32
  9769.3  603.36 9953.62   600.7 9968.67  600.4710156.76     60010766.16     600
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10949.25  571.1711049.25  571.1711249.25     60011735.15  604.4713387.21  609.72
13581.57  609.85 13814.8  636.5913873.11  644.9214048.04  654.4914359.01  664.15
 14514.5  661.6814553.37  660.7514844.91  660.0514864.35  661.1615097.58  675.12
15330.82     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510766.16     .1511249.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10766.1611249.25               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1321385.00   85642.30   536243.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1321385.00   85642.30   536243.30
  Q Total (cfs)           206224.30    Flow (cfs)              137139.10   11323.38   57761.84
  Top Width (ft)          15330.82    Top Width (ft)          10766.16     483.09    4081.57
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.71    Hydr. Depth (ft)          122.74     177.28     131.38
  Conv. Total (cfs)       484711700.0    Conv. (cfs)            322333100.0   26614580.0   135764000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10813.64     487.41    4150.34
  Min Ch El (ft)            571.17    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3428.28     230.50    1393.28
  C & E Loss (ft)             0.00    Cum SA (acres)             26.25       1.21      10.14


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1269.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.14  680.12  609.42  679.91  996.89  676.03  1015.7   676.1
 1295.96  677.97 1320.42  677.68 1993.79   667.1 2031.41  667.47 2193.17   669.9
 2234.55     670 2791.31     670 2843.97  669.12  3788.2  650.24 3859.68     650
 4486.03     650 4570.67  642.93 4585.72  641.43 4672.24     640  4785.1     640
 4875.38  636.23 5183.85  620.81 5281.66   619.3 5881.68  614.16 5992.66     614
 7775.78     614 7875.47  614.83 7922.49  614.83 8024.06     615 8373.92     615
 8373.92  610.84 8531.92  610.84 8531.92     610 9171.43     610 9344.48  608.31
 9769.57  603.36  9953.9  600.69 9968.95  600.4710157.04     60010766.46     600
 10949.7  571.17 11049.7  571.17 11249.7     60011735.73  604.4813388.22  609.72
13582.63  609.8513815.92  636.6313874.25  644.9714049.21  654.4914360.27  664.16
 14515.8  661.6714554.68  660.75 14846.3  660.0514865.74  661.1715099.03  675.15
15332.33     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510766.46     .15 11249.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10766.46 11249.7               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1321434.00   85668.52   536350.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1321434.00   85668.52   536350.70
  Q Total (cfs)           206224.30    Flow (cfs)              137132.50   11325.82   57766.00
  Top Width (ft)          15332.33    Top Width (ft)          10766.46     483.24    4082.63
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.71    Hydr. Depth (ft)          122.74     177.28     131.37
  Conv. Total (cfs)       484755800.0    Conv. (cfs)            322346900.0   26622750.0   135786200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10813.94     487.56    4151.40
  Min Ch El (ft)            571.17    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3413.11     229.52    1387.12
  C & E Loss (ft)             0.00    Cum SA (acres)             26.13       1.20      10.10


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1269.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.15  680.12  609.44  679.91  996.92  676.03 1015.73   676.1
    1296  677.97 1320.45  677.68 1993.85   667.1 2031.47  667.47 2193.23   669.9
 2234.61     670 2791.38     670 2844.05  669.12 3788.31  650.23 3859.78     650
 4486.15     650  4570.8  642.92 4585.85  641.42 4672.37     640 4785.23     640
 4875.52  636.22    5184   620.8 5281.81   619.3 5881.85  614.16 5992.82     614
    7776     614 7875.69  614.83 7922.72  614.83 8024.29     615 8374.15     615
 8374.15  610.83 8532.16  610.83 8532.16     610 9171.69     610 9344.74  608.31
 9769.84  603.35 9954.18  600.69 9969.23  600.4610157.33     60010766.77     600
10950.15  571.1711050.15  571.1711250.15     600 11736.3  604.4813389.22  609.72
13583.69  609.8513817.04  636.6813875.38  645.0214050.39   654.514361.53  664.17
 14517.1  661.6614555.99  660.7414847.68  660.0514867.13  661.1715100.48  675.18
15333.84     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510766.77     .1511250.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10766.7711250.15               .5      .5      .5             .1       .3
```

```
CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1321488.00   85693.02   536467.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1321488.00   85693.02   536467.80
  Q Total (cfs)           206224.30    Flow (cfs)              137125.10   11327.91   57771.26
  Top Width (ft)          15333.84    Top Width (ft)          10766.77     483.38    4083.69
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.10       0.13       0.11
  Max Chl Dpth (ft)         188.71    Hydr. Depth (ft)          122.74     177.28     131.37
  Conv. Total (cfs)       484805500.0    Conv. (cfs)            322362700.0   26630390.0   135812400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10814.25     487.70    4152.46
  Min Ch El (ft)            571.17    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3397.94     228.53    1380.96
  C & E Loss (ft)             0.00    Cum SA (acres)             26.01       1.19      10.05


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1268.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.17  680.12  609.46  679.91  996.95  676.03 1015.76  676.11
 1296.04  677.97 1320.49  677.68  1993.9   667.1 2031.52  667.47 2193.29   669.9
 2234.67     670 2791.46     670 2844.13  669.12 3788.41  650.23 3859.89     650
 4486.28     650 4570.93  642.91 4585.97   641.4  4672.5     640 4785.36     640
 4875.65  636.22 5184.14  620.79 5281.96   619.3 5882.01  614.15 5992.99     614
 7776.22     614 7875.91  614.84 7922.94  614.84 8024.51     615 8374.39     615
 8374.39  610.82 8532.39  610.82 8532.39     610 9171.95     610    9345  608.31
 9770.12  603.35 9954.46  600.68 9969.51  600.4610157.61     60010767.07     600
 10950.6  571.16 11050.6  571.16 11250.6     60011736.88  604.4913390.23  609.73
13584.74  609.8513818.16  636.7313876.51  645.0614051.57  654.5114362.79  664.18
 14518.4  661.66 14557.3  660.7314849.07  660.0514868.52  661.1715101.93   675.2
15335.35     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510767.07     .15 11250.6     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10767.07 11250.6               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1321531.00   85721.81   536567.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1321531.00   85721.81   536567.50
  Q Total (cfs)           206224.30    Flow (cfs)              137118.80   11331.00   57774.51
  Top Width (ft)          15335.35    Top Width (ft)          10767.07     483.53    4084.75
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.10       0.13       0.11
  Max Chl Dpth (ft)         188.72    Hydr. Depth (ft)          122.74     177.28     131.36
  Conv. Total (cfs)       484845700.0    Conv. (cfs)            322374500.0   26639860.0   135831300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10814.55     487.85    4153.52
  Min Ch El (ft)            571.16    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3382.77     227.55    1374.81
  C & E Loss (ft)             0.00    Cum SA (acres)             25.88       1.19      10.00


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1268.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.19  680.12  609.47  679.91  996.98  676.03 1015.79  676.11
 1296.07  677.97 1320.53  677.68 1993.96  667.09 2031.58  667.47 2193.35   669.9
 2234.74     670 2791.54     670 2844.21  669.12 3788.52  650.23    3860     650
  4486.4     650 4571.05  642.89  4586.1  641.39 4672.63     640  4785.5     640
 4875.79  636.21 5184.29  620.79 5282.11   619.3 5882.18  614.15 5993.16     614
 7776.44     614 7876.13  614.84 7923.16  614.84 8024.74     615 8374.62     615
 8374.62  610.82 8532.63  610.82 8532.63     610 9172.21     610 9345.27  608.31
 9770.39  603.35 9954.74  600.68 9969.79  600.45 10157.9     60010767.37     600
10951.06  571.1611051.06  571.1611251.06     60011737.46  604.4913391.24  609.73
 13585.8  609.8513819.28  636.7813877.64  645.1114052.75  654.5214364.05  664.18
 14519.7  661.6514558.61  660.7314850.45  660.0514869.91  661.1715103.38  675.23
15336.86     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510767.37     .1511251.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10767.3711251.06               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1321576.00   85749.73   536683.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1321576.00   85749.73   536683.70
  Q Total (cfs)           206224.30    Flow (cfs)              137110.70   11333.60   57780.02
  Top Width (ft)          15336.86    Top Width (ft)          10767.37     483.69    4085.80
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.10       0.13       0.11
  Max Chl Dpth (ft)         188.72    Hydr. Depth (ft)          122.74     177.28     131.35
  Conv. Total (cfs)       484892600.0    Conv. (cfs)            322386600.0   26648560.0   135857400.0
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  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10814.85     488.01    4154.58
  Min Ch El (ft)           571.16    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     3367.60     226.56    1368.65
  C & E Loss (ft)            0.00    Cum SA (acres)             25.76       1.18       9.95


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1267.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   598.2  680.12  609.49  679.91  997.01  676.03 1015.82  676.11
 1296.11  677.97 1320.56  677.68 1994.01  667.09 2031.64  667.47 2193.42   669.9
  2234.8     670 2791.62     670 2844.29  669.11 3788.63  650.23 3860.11     650
 4486.53     650 4571.18  642.88 4586.23  641.38 4672.76     640 4785.63     640
 4875.93   636.2 5184.44  620.78 5282.25  619.29 5882.34  614.15 5993.33     614
 7776.65     614 7876.35  614.84 7923.38  614.84 8024.96     615 8374.86     615
 8374.86  610.81 8532.87  610.81 8532.87     610 9172.46     610 9345.53   608.3
 9770.67  603.34 9955.02  600.67 9970.07  600.4510158.18     60010767.67     600
10951.51  571.1611051.51  571.1611251.51     60011738.04   604.513392.25  609.73
13586.86  609.8513820.39  636.8313878.78  645.1514053.93  654.5314365.31  664.19
   14521  661.6514559.92  660.7214851.84  660.04 14871.3  661.1715104.83  675.26
15338.37     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510767.67     .1511251.51     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10767.6711251.51               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1321635.00   85775.95   536791.80
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1321635.00   85775.95   536791.80
  Q Total (cfs)          206224.30    Flow (cfs)              137104.60   11335.94   57783.77
  Top Width (ft)         15338.37    Top Width (ft)          10767.67     483.84    4086.86
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.72    Hydr. Depth (ft)          122.74     177.28     131.35
  Conv. Total (cfs)      484941300.0    Conv. (cfs)            322404700.0   26656720.0   135879900.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10815.16     488.16    4155.64
  Min Ch El (ft)           571.16    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     3352.43     225.58    1362.48
  C & E Loss (ft)            0.00    Cum SA (acres)             25.64       1.18       9.91


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1267.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   598.22  680.12  609.51   679.9  997.03  676.03 1015.85  676.11
 1296.15  677.97  1320.6  677.68 1994.07  667.09 2031.69  667.48 2193.48   669.9
 2234.86     670  2791.7     670 2844.37  669.11 3788.73  650.23 3860.22     650
 4486.66     650 4571.31  642.87 4586.36  641.36  4672.9     640 4785.77     640
 4876.06   636.2 5184.58  620.77  5282.4  619.29 5882.51  614.15  5993.5     614
 7776.87     614 7876.57  614.84  7923.6  614.84 8025.19     615 8375.09     615
 8375.09   610.8 8533.11   610.8 8533.11     610 9172.72     610 9345.79   608.3
 9770.94  603.34  9955.3  600.67 9970.35  600.4410158.47     60010767.98     600
10951.96  571.1611051.96  571.1611251.96     60011738.62   604.513393.25  609.73
13587.92  609.8513821.51  636.8813879.91   645.214055.11  654.5414366.57   664.2
 14522.3  661.6414561.23  660.7114853.22  660.0414872.69  661.1815106.28  675.29
15339.88     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510767.98     .1511251.96     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10767.9811251.96               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1321681.00   85800.28   536907.60
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1321681.00   85800.28   536907.60
  Q Total (cfs)          206224.30    Flow (cfs)              137096.90   11338.10   57789.27
  Top Width (ft)         15339.88    Top Width (ft)          10767.98     483.98    4087.92
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.72    Hydr. Depth (ft)          122.74     177.28     131.34
  Conv. Total (cfs)      484986900.0    Conv. (cfs)            322417000.0   26664310.0   135905600.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10815.47     488.29    4156.70
  Min Ch El (ft)           571.16    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     3337.26     224.60    1356.32
  C & E Loss (ft)            0.00    Cum SA (acres)             25.51       1.17       9.86


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 1266.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.24  680.12  609.53   679.9  997.06  676.03 1015.88  676.11
 1296.18  677.97 1320.64  677.68 1994.13  667.09 2031.75  667.48 2193.54   669.9
 2234.93     670 2791.78     670 2844.45  669.11 3788.84  650.22 3860.33     650
 4486.78     650 4571.44  642.86 4586.49  641.35 4673.03     640  4785.9     640
  4876.2  636.19 5184.73  620.76 5282.55  619.29 5882.67  614.15 5993.66     614
 7777.09     614  7876.8  614.84 7923.83  614.84 8025.41     615 8375.33     615
 8375.33  610.79 8533.35  610.79 8533.35     610 9172.98     610 9346.05   608.3
 9771.21  603.34 9955.58  600.67 9970.63  600.4410158.75     60010768.28     600
10952.42  571.1611052.42  571.1611252.42     600 11739.2  604.5113394.26  609.74
13588.97  609.8613822.63  636.9213881.04  645.2414056.28  654.5414367.83  664.21
14523.59  661.6314562.54   660.714854.61  660.0414874.08  661.1815107.73  675.31
15341.39     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510768.28     .1511252.42     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10768.2811252.42               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1321729.00   85828.20   537008.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1321729.00   85828.20   537008.20
  Q Total (cfs)           206224.30    Flow (cfs)              137090.90   11340.82   57792.59
  Top Width (ft)          15341.39    Top Width (ft)          10768.28     484.14    4088.97
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.72    Hydr. Depth (ft)          122.74     177.28     131.33
  Conv. Total (cfs)       485028700.0    Conv. (cfs)             322430600.0   26673010.0   135925200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10815.77     488.45    4157.75
  Min Ch El (ft)            571.16    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3322.09     223.61    1350.16
  C & E Loss (ft)             0.00    Cum SA (acres)             25.39       1.17       9.81


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1266.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.25  680.12  609.54   679.9  997.09  676.03  1015.9  676.11
 1296.22  677.97 1320.67  677.68 1994.18  667.09 2031.81  667.48  2193.6   669.9
 2234.99     670 2791.85     670 2844.53  669.11 3788.94  650.22 3860.43     650
 4486.91     650 4571.57  642.84 4586.62  641.34 4673.16     640 4786.04     640
 4876.34  636.18 5184.87  620.76  5282.7  619.29 5882.84  614.15 5993.83     614
 7777.31     614 7877.02  614.84 7924.05  614.84 8025.64     615 8375.56     615
 8375.56  610.79 8533.59  610.79 8533.59     610 9173.24     610 9346.31  608.29
 9771.49  603.33 9955.86  600.66 9970.91  600.4410159.04     60010768.58     600
10952.87  571.1611052.87  571.1611252.87     60011739.78  604.5113395.27  609.74
13590.03  609.8613823.75  636.9713882.17  645.2914057.46  654.5514369.08  664.21
14524.89  661.6314563.85   660.714855.99  660.0414875.47  661.1815109.18  675.34
 15342.9     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510768.58     .1511252.87     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10768.5811252.87               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1321776.00   85854.41   537125.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1321776.00   85854.41   537125.00
  Q Total (cfs)           206224.30    Flow (cfs)              137083.10   11343.18   57798.03
  Top Width (ft)          15342.90    Top Width (ft)          10768.58     484.29    4090.03
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.72    Hydr. Depth (ft)          122.74     177.28     131.33
  Conv. Total (cfs)       485076400.0    Conv. (cfs)             322443900.0   26681180.0   135951300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10816.07     488.60    4158.81
  Min Ch El (ft)            571.16    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3306.92     222.62    1343.99
  C & E Loss (ft)             0.00    Cum SA (acres)             25.27       1.16       9.77


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1265.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.27  680.12  609.56   679.9  997.12  676.03 1015.93  676.11
 1296.25  677.98 1320.71  677.67 1994.24  667.09 2031.86  667.48 2193.66   669.9
 2235.05     670 2791.93     670 2844.61  669.11 3789.05  650.22 3860.54     650
 4487.03     650  4571.7  642.83 4586.75  641.33 4673.29     640 4786.17     640
 4876.47  636.18 5185.02  620.75 5282.85  619.29    5883  614.15    5994     614
```

```
 7777.53     614 7877.24  614.84 7924.27  614.84 8025.87     615  8375.8     615
  8375.8  610.78 8533.83  610.78 8533.83     610 9173.49     610 9346.58  608.29
 9771.76  603.33 9956.14  600.66 9971.19  600.4310159.32     60010768.88     600
10953.32  571.1611053.32  571.1611253.32     60011740.36  604.5213396.27  609.74
13591.09  609.8613824.86  637.0213883.31  645.3314058.64  654.5614370.34  664.22
14526.19  661.6214565.16  660.6914857.38  660.0414876.86  661.1815110.63  675.37
15344.41     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510768.88     .1511253.32     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10768.8811253.32               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1321821.00   85880.63   537232.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1321821.00   85880.63   537232.40
  Q Total (cfs)           206224.30    Flow (cfs)              137076.20   11345.66   57802.42
  Top Width (ft)          15344.41    Top Width (ft)          10768.88     484.44    4091.09
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.72    Hydr. Depth (ft)          122.74     177.28     131.32
  Conv. Total (cfs)       485118700.0    Conv. (cfs)             322455900.0   26689340.0   135973500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10816.37     488.75    4159.87
  Min Ch El (ft)            571.16    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3291.75     221.64    1337.83
  C & E Loss (ft)             0.00    Cum SA (acres)             25.14       1.16       9.72


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1265.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.29  680.11  609.58   679.9  997.15  676.03 1015.96  676.11
 1296.29  677.98 1320.75  677.67 1994.29  667.09 2031.92  667.48 2193.72  669.91
 2235.11     670 2792.01     670 2844.69  669.11 3789.16  650.22 3860.65     650
 4487.16     650 4571.82  642.82 4586.88  641.31 4673.42     640  4786.3     640
 4876.61  636.17 5185.16  620.74    5283  619.29 5883.17  614.14 5994.17     614
 7777.74     614 7877.46  614.85 7924.49  614.85 8026.09     615 8376.03     615
 8376.03  610.77 8534.07  610.77 8534.07     610 9173.75     610 9346.84  608.29
 9772.04  603.33 9956.42  600.65 9971.47  600.4310159.61     60010769.18     600
10953.78  571.1511053.78  571.1511253.78     60011740.94  604.5213397.28  609.74
13592.14  609.8613825.98  637.0713884.44  645.3814059.82  654.57 14371.6  664.23
14527.49  661.6214566.46  660.6814858.76  660.0414878.25  661.1815112.08   675.4
15345.92     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510769.18     .1511253.78     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10769.1811253.78               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1321869.00   85911.45   537346.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1321869.00   85911.45   537346.80
  Q Total (cfs)           206224.30    Flow (cfs)              137068.20   11348.80   57807.31
  Top Width (ft)          15345.92    Top Width (ft)          10769.18     484.60    4092.14
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.73    Hydr. Depth (ft)          122.75     177.28     131.31
  Conv. Total (cfs)       485167900.0    Conv. (cfs)             322469700.0   26699440.0   135998800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10816.67     488.91    4160.93
  Min Ch El (ft)            571.15    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3276.57     220.65    1331.66
  C & E Loss (ft)             0.00    Cum SA (acres)             25.02       1.15       9.67


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1264.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   598.3  680.11  609.59   679.9  997.17  676.03 1015.99  676.11
 1296.33  677.98 1320.79  677.67 1994.35  667.09 2031.98  667.48 2193.78  669.91
 2235.18     670 2792.09     670 2844.77   669.1 3789.26  650.21 3860.76     650
 4487.29     650 4571.95   642.8    4587   641.3 4673.55     640 4786.44     640
 4876.75  636.16 5185.31  620.73 5283.14  619.29 5883.33  614.14 5994.34     614
 7777.96     614 7877.68  614.85 7924.72  614.85 8026.32     615 8376.27     615
 8376.27  610.76 8534.31  610.76 8534.31     610 9174.01     610  9347.1  608.28
 9772.31  603.32 9956.69  600.65 9971.75  600.4210159.89     60010769.49     600
10954.23  571.1511054.23  571.1511254.23     60011741.52  604.5313398.29  609.75
 13593.2  609.86 13827.1  637.1213885.57  645.42   14061  654.5814372.86  664.24
14528.79  661.6114567.77  660.6814860.15  660.0414879.64  661.1915113.54  675.42
15347.43     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510769.49     .1511254.23     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10769.4911254.23               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1321932.00   85935.79   537444.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1321932.00   85935.79   537444.50
  Q Total (cfs)           206224.30    Flow (cfs)              137063.70   11350.97   57809.64
  Top Width (ft)          15347.43    Top Width (ft)          10769.49     484.74    4093.20
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.73    Hydr. Depth (ft)          122.75     177.28     131.30
  Conv. Total (cfs)       485213000.0    Conv. (cfs)            322489100.0   26707020.0   136016900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10816.98     489.05    4161.99
  Min Ch El (ft)            571.15    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3261.40     219.67    1325.49
  C & E Loss (ft)             0.00    Cum SA (acres)             24.89       1.14       9.63


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1264.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.32  680.11  609.61   679.9   997.2  676.03 1016.02  676.11
 1296.36  677.98 1320.82  677.67 1994.41  667.09 2032.04  667.48 2193.85  669.91
 2235.24     670 2792.17     670 2844.85   669.1 3789.37  650.21 3860.87     650
 4487.41     650 4572.08  642.79 4587.13  641.29 4673.68     640 4786.57     640
 4876.89  636.16 5185.45  620.73 5283.29  619.29  5883.5  614.14  5994.5     614
 7778.18     614  7877.9  614.85 7924.94  614.85 8026.54     615  8376.5     615
  8376.5  610.76 8534.55  610.76 8534.55     610 9174.26     610 9347.36  608.28
 9772.59  603.32 9956.97  600.65 9972.03  600.4210160.18     60010769.79     600
10954.68  571.1511054.68  571.1511254.68     60011742.09  604.5313399.29  609.75
13594.26  609.8613828.22  637.1713886.71  645.4714062.17  654.5814374.12  664.24
14530.09   661.614569.08  660.6714861.53  660.0414881.03  661.1915114.99  675.45
15348.94     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510769.79     .1511254.68     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10769.7911254.68               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1321970.00   85961.84   537566.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1321970.00   85961.84   537566.50
  Q Total (cfs)           206224.30    Flow (cfs)              137054.80   11353.35   57816.20
  Top Width (ft)          15348.94    Top Width (ft)          10769.79     484.89    4094.26
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.73    Hydr. Depth (ft)          122.75     177.28     131.30
  Conv. Total (cfs)       485258800.0    Conv. (cfs)            322498500.0   26715140.0   136045200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10817.28     489.20    4163.05
  Min Ch El (ft)            571.15    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3246.23     218.68    1319.32
  C & E Loss (ft)             0.00    Cum SA (acres)             24.77       1.14       9.58


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1263.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.34  680.11  609.63   679.9  997.23  676.03 1016.05  676.11
  1296.4  677.98 1320.86  677.67 1994.46  667.09 2032.09  667.48 2193.91  669.91
  2235.3     670 2792.25     670 2844.93   669.1 3789.48  650.21 3860.98     650
 4487.54     650 4572.21  642.78 4587.26  641.27 4673.81     640 4786.71     640
 4877.02  636.15  5185.6  620.72 5283.44  619.28 5883.66  614.14 5994.67     614
  7778.4     614 7878.12  614.85 7925.16  614.85 8026.77     615 8376.74     615
 8376.74  610.75 8534.79  610.75 8534.79     610 9174.52     610 9347.63  608.28
 9772.86  603.32 9957.25  600.64 9972.31  600.4210160.46     60010770.09     600
10955.14  571.1511055.14  571.1511255.14     60011742.67  604.54 13400.3  609.75
13595.32  609.8613829.33  637.2113887.84  645.5114063.35  654.5914375.38  664.25
14531.39   661.614570.39  660.6614862.92  660.0414882.42  661.1915116.43  675.48
15350.45     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510770.09     .1511255.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10770.0911255.14               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1322018.00   85989.75   537672.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1322018.00   85989.75   537672.50
  Q Total (cfs)           206224.30    Flow (cfs)              137048.10   11356.01   57820.21
  Top Width (ft)          15350.45    Top Width (ft)          10770.09     485.05    4095.31
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```
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.73    Hydr. Depth (ft)          122.75     177.28     131.29
  Conv. Total (cfs)       485303000.0    Conv. (cfs)            322512200.0   26723840.0   136067000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10817.58     489.36    4164.10
  Min Ch El (ft)            571.15    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3231.05     217.69    1313.15
  C & E Loss (ft)             0.00    Cum SA (acres)             24.65       1.13       9.53


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1263.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.36  680.11  609.64   679.9  997.26  676.03 1016.07  676.11
 1296.44  677.98  1320.9  677.67 1994.52  667.09 2032.15  667.48 2193.97  669.91
 2235.36     670 2792.32     670 2845.01   669.1 3789.58  650.21 3861.08     650
 4487.66     650 4572.34  642.77 4587.39  641.26 4673.94     640 4786.84     640
 4877.16  636.14 5185.74  620.71 5283.59  619.28 5883.83  614.14 5994.84     614
 7778.62     614 7878.34  614.85 7925.38  614.85 8026.99     615 8376.97     615
 8376.97  610.74 8535.03  610.74 8535.03     610 9174.78     610 9347.89  608.27
 9773.13  603.31 9957.53  600.64 9972.59  600.4110160.75     60010770.39     600
10955.59  571.1511055.59  571.1511255.59     60011743.25  604.5413401.31  609.75
13596.38  609.8713830.45  637.2613888.97  645.5614064.53   654.614376.64  664.26
14532.69  661.59 14571.7  660.66 14864.3  660.0414883.81  661.1915117.88  675.51
15351.96     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510770.39     .1511255.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10770.3911255.59               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1322069.00   86015.97   537785.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1322069.00   86015.97   537785.80
  Q Total (cfs)           206224.30    Flow (cfs)              137040.90   11358.37   57825.04
  Top Width (ft)          15351.96    Top Width (ft)          10770.39     485.20    4096.37
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.73    Hydr. Depth (ft)          122.75     177.28     131.28
  Conv. Total (cfs)       485350300.0    Conv. (cfs)            322526700.0   26732010.0   136091600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10817.89     489.50    4165.16
  Min Ch El (ft)            571.15    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3215.88     216.71    1306.98
  C & E Loss (ft)             0.00    Cum SA (acres)             24.52       1.13       9.49


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1262.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.37  680.11  609.66   679.9  997.29  676.03  1016.1  676.11
 1296.47  677.98 1320.93  677.67 1994.57  667.09 2032.21  667.48 2194.03  669.91
 2235.43     670  2792.4     670 2845.09   669.1 3789.69  650.21 3861.19     650
 4487.79     650 4572.46  642.75 4587.52  641.25 4674.08     640 4786.98     640
  4877.3  636.14 5185.89  620.71 5283.74  619.28 5883.99  614.14 5995.01     614
 7778.83     614 7878.56  614.85 7925.61  614.85 8027.22     615 8377.21     615
 8377.21  610.73 8535.27  610.73 8535.27     610 9175.04     610 9348.15  608.27
 9773.41  603.31 9957.81  600.63 9972.87  600.4110161.03     600 10770.7     600
10956.04  571.1511056.04  571.1511256.04     60011743.83  604.5413402.32  609.76
13597.43  609.8713831.57  637.3113890.11   645.614065.71  654.61 14377.9  664.27
14533.99  661.5914573.01  660.6514865.68  660.04 14885.2  661.1915119.33  675.53
15353.47     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10770.7     .1511256.04     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10770.711256.04               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1322111.00   86040.30   537895.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1322111.00   86040.30   537895.90
  Q Total (cfs)           206224.30    Flow (cfs)              137033.70   11360.61   57829.95
  Top Width (ft)          15353.47    Top Width (ft)          10770.70     485.34    4097.43
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.73    Hydr. Depth (ft)          122.75     177.28     131.28
  Conv. Total (cfs)       485392400.0    Conv. (cfs)            322537800.0   26739590.0   136115000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10818.20     489.64    4166.22
  Min Ch El (ft)            571.15    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3200.70     215.72    1300.81
  C & E Loss (ft)             0.00    Cum SA (acres)             24.40       1.12       9.44


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1262.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.39  680.11  609.68   679.9  997.31  676.03 1016.13  676.11
 1296.51  677.98 1320.97  677.67 1994.63  667.08 2032.26  667.48 2194.09  669.91
 2235.49     670 2792.48     670 2845.17   669.1  3789.8   650.2  3861.3     650
 4487.92     650 4572.59  642.74 4587.65  641.24 4674.21     640 4787.11     640
 4877.43  636.13 5186.04   620.7 5283.89  619.28 5884.16  614.14 5995.18     614
 7779.05     614 7878.78  614.85 7925.83  614.85 8027.44     615 8377.44     615
 8377.44  610.73 8535.51  610.73 8535.51     610 9175.29     610 9348.41  608.27
 9773.68  603.31 9958.09  600.63 9973.15   600.410161.32     600   10771     600
 10956.5  571.15 11056.5  571.15 11256.5     60011744.41  604.5513403.32  609.76
13598.49  609.8713832.69  637.3613891.24  645.6514066.89  654.6214379.15  664.27
14535.29  661.5814574.32  660.6414867.07  660.0414886.59   661.215120.79  675.56
15354.99     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10771     .15 11256.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10771 11256.5               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1322162.00   86068.23   538002.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1322162.00   86068.23   538002.40
  Q Total (cfs)           206224.30    Flow (cfs)              137027.30   11363.25   57833.80
  Top Width (ft)          15354.99    Top Width (ft)          10771.00     485.50    4098.49
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.73    Hydr. Depth (ft)          122.75     177.28     131.27
  Conv. Total (cfs)       485437700.0    Conv. (cfs)            322552600.0   26748290.0   136136800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10818.50     489.80    4167.29
  Min Ch El (ft)            571.15    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3185.53     214.73    1294.63
  C & E Loss (ft)             0.00    Cum SA (acres)             24.28       1.12       9.39


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1261.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.41  680.11   609.7   679.9  997.34  676.03 1016.16  676.11
 1296.55  677.98 1321.01  677.67 1994.69  667.08 2032.32  667.48 2194.15  669.91
 2235.55     670 2792.56     670 2845.25   669.1  3789.9   650.2 3861.41     650
 4488.04     650 4572.72  642.73 4587.78  641.22 4674.34     640 4787.24     640
 4877.57  636.12 5186.18  620.69 5284.03  619.28 5884.32  614.13 5995.35     614
 7779.27     614 7879.01  614.86 7926.05  614.86 8027.67     615 8377.68     615
 8377.68  610.72 8535.75  610.72 8535.75     610 9175.55     610 9348.67  608.27
 9773.96   603.3 9958.37  600.62 9973.42   600.4 10161.6     600 10771.3     600
10956.95  571.1411056.95  571.1411256.95     60011744.99  604.5513404.33  609.76
13599.55  609.8713833.81  637.4113892.37  645.6914068.07  654.6314380.41  664.28
14536.59  661.5714575.63  660.6414868.45  660.0414887.98   661.215122.24  675.59
 15356.5     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10771.3     .1511256.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10771.311256.95               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1322212.00   86097.37   538118.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1322212.00   86097.37   538118.90
  Q Total (cfs)           206224.30    Flow (cfs)              137019.20   11366.15   57838.92
  Top Width (ft)          15356.50    Top Width (ft)          10771.30     485.65    4099.55
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.74    Hydr. Depth (ft)          122.75     177.28     131.26
  Conv. Total (cfs)       485487600.0    Conv. (cfs)            322566900.0   26757870.0   136162800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10818.80     489.95    4168.35
  Min Ch El (ft)            571.14    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3170.35     213.74    1288.46
  C & E Loss (ft)             0.00    Cum SA (acres)             24.15       1.11       9.34


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1261.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.42  680.11  609.71   679.9  997.37  676.03 1016.19  676.11
 1296.58  677.98 1321.05  677.67 1994.74  667.08 2032.38  667.49 2194.22  669.91
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```
 2235.62     670 2792.64     670 2845.33  669.09 3790.01   650.2 3861.52     650
 4488.17     650 4572.85  642.72  4587.9  641.21 4674.47     640 4787.38     640
 4877.71  636.11 5186.33  620.68 5284.18  619.28 5884.49  614.13 5995.51     614
 7779.49     614 7879.23  614.86 7926.27  614.86 8027.89     615 8377.91     615
 8377.91  610.71 8535.99  610.71 8535.99     610 9175.81     610 9348.94  608.26
 9774.23   603.3 9958.65  600.62 9973.71  600.3910161.89     600 10771.6     600
 10957.4  571.14 11057.4  571.14 11257.4     60011745.57  604.5613405.34  609.76
 13600.6  609.8713834.92  637.46 13893.5  645.7414069.25  654.6314381.67  664.29
14537.88  661.5714576.94  660.6314869.84  660.0414889.37   661.215123.69  675.62
15358.01     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10771.6     .15 11257.4     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10771.6 11257.4               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1322264.00   86123.59   538226.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1322264.00   86123.59   538226.30
  Q Total (cfs)           206224.30    Flow (cfs)              137012.80   11368.56   57842.94
  Top Width (ft)          15358.01    Top Width (ft)          10771.60     485.80    4100.61
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.74    Hydr. Depth (ft)          122.75     177.28     131.26
  Conv. Total (cfs)       485532800.0    Conv. (cfs)            322581800.0   26766040.0   136185000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10819.10     490.10    4169.41
  Min Ch El (ft)            571.14    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3155.17     212.75    1282.28
  C & E Loss (ft)             0.00    Cum SA (acres)             24.03       1.11       9.30


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1260.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.44   680.1  609.73   679.9   997.4  676.03 1016.22  676.11
 1296.62  677.98 1321.08  677.67  1994.8  667.08 2032.43  667.49 2194.28  669.91
 2235.68     670 2792.72     670 2845.41  669.09 3790.11   650.2 3861.63     650
 4488.29     650 4572.98  642.7 4588.03   641.2  4674.6     640 4787.51     640
 4877.84  636.11 5186.47  620.68 5284.33  619.28 5884.65  614.13 5995.68     614
 7779.71     614 7879.45  614.86  7926.5  614.86 8028.12     615 8378.15     615
 8378.15   610.7 8536.22   610.7 8536.22     610 9176.07     610  9349.2  608.26
  9774.5   603.3 9958.93  600.62 9973.98  600.3910162.17     600 10771.9     600
10957.86  571.1411057.86  571.1411257.86     60011746.15  604.5613406.34  609.77
13601.66  609.8713836.04   637.513894.64  645.7914070.42  654.6414382.93   664.3
14539.18  661.5614578.25  660.6214871.22  660.0414890.75   661.215125.14  675.64
15359.52     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10771.9     .1511257.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10771.911257.86               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1322307.00   86151.33   538336.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1322307.00   86151.33   538336.10
  Q Total (cfs)           206224.30    Flow (cfs)              137005.40   11371.21   57847.69
  Top Width (ft)          15359.52    Top Width (ft)          10771.90     485.96    4101.66
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.74    Hydr. Depth (ft)          122.76     177.28     131.25
  Conv. Total (cfs)       485576400.0    Conv. (cfs)            322593300.0   26774680.0   136208400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10819.40     490.26    4170.46
  Min Ch El (ft)            571.14    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3140.00     211.77    1276.10
  C & E Loss (ft)             0.00    Cum SA (acres)             23.91       1.10       9.25


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1260.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.46   680.1  609.75   679.9  997.43  676.03 1016.25  676.11
 1296.65  677.98 1321.12  677.67 1994.85  667.08 2032.49  667.49 2194.34  669.92
 2235.74     670 2792.79     670 2845.49  669.09 3790.22   650.2 3861.73     650
 4488.42     650 4573.11  642.69 4588.16  641.18 4674.73     640 4787.65     640
 4877.98   636.1 5186.62  620.67 5284.48  619.28 5884.82  614.13 5995.85     614
 7779.93     614 7879.67  614.86 7926.72  614.86 8028.34     615 8378.38     615
 8378.38  610.69 8536.46  610.69 8536.46     610 9176.32     610 9349.46  608.26
 9774.78  603.29 9959.21  600.61 9974.26  600.3910162.46     60010772.21     600
10958.31  571.1411058.31  571.1411258.31     60011746.73  604.5713407.35  609.77
13602.72  609.8713837.16  637.5513895.77  645.83 14071.6  654.6514384.19  664.31
14540.48  661.5614579.56  660.6214872.61  660.0414892.14  661.2115126.59  675.67
15361.03     695

Manning's n Values        num=       3
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```
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510772.21     .1511258.31     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10772.2111258.31               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1322355.00   86175.67   538439.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1322355.00   86175.67   538439.80
  Q Total (cfs)           206224.30    Flow (cfs)              136999.40   11373.46   57851.46
  Top Width (ft)          15361.03    Top Width (ft)          10772.21     486.10    4102.72
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.74    Hydr. Depth (ft)          122.76     177.28     131.24
  Conv. Total (cfs)       485617900.0    Conv. (cfs)            322606800.0   26782270.0   136228900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10819.71     490.40    4171.52
  Min Ch El (ft)            571.14    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3124.82     210.78    1269.92
  C & E Loss (ft)             0.00    Cum SA (acres)             23.78       1.09       9.20


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1259.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.47   680.1  609.76   679.9  997.45  676.03 1016.27  676.11
 1296.69  677.98 1321.16  677.67 1994.91  667.08 2032.55  667.49  2194.4  669.92
  2235.8     670 2792.87     670 2845.57  669.09 3790.33  650.19 3861.84     650
 4488.54     650 4573.23  642.68 4588.29  641.17 4674.86     640 4787.78     640
 4878.12  636.09 5186.76  620.66 5284.63  619.27 5884.98  614.13 5996.02     614
 7780.14     614 7879.89  614.86 7926.94  614.86 8028.57     615 8378.62     615
 8378.62  610.69  8536.7  610.69  8536.7     610 9176.58     610 9349.72  608.25
 9775.05  603.29 9959.49  600.61 9974.54  600.3810162.74     60010772.51     600
10958.76  571.1411058.76  571.1411258.76     60011747.31  604.5713408.36  609.77
13603.78  609.8813838.28   637.6 13896.9  645.8814072.78  654.6614385.45  664.31
14541.78  661.5514580.87  660.6114873.99  660.0414893.54  661.2115128.04   675.7
15362.54     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510772.51     .1511258.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10772.5111258.76               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1322410.00   86201.89   538556.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1322410.00   86201.89   538556.90
  Q Total (cfs)           206224.30    Flow (cfs)              136992.00   11375.74   57856.61
  Top Width (ft)          15362.54    Top Width (ft)          10772.51     486.25    4103.78
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.74    Hydr. Depth (ft)          122.76     177.28     131.23
  Conv. Total (cfs)       485668600.0    Conv. (cfs)            322623000.0   26790430.0   136255200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10820.01     490.54    4172.58
  Min Ch El (ft)            571.14    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3109.64     209.79    1263.74
  C & E Loss (ft)             0.00    Cum SA (acres)             23.66       1.09       9.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1259.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.49   680.1  609.78   679.9  997.48  676.03  1016.3  676.11
 1296.73  677.98 1321.19  677.67 1994.96  667.08 2032.61  667.49 2194.46  669.92
 2235.87     670 2792.95     670 2845.65  669.09 3790.43  650.19 3861.95     650
 4488.67     650 4573.36  642.66 4588.42  641.16 4674.99     640 4787.92     640
 4878.25  636.09 5186.91  620.65 5284.77  619.27 5885.15  614.13 5996.19     614
 7780.36     614 7880.11  614.86 7927.16  614.86 8028.79     615 8378.85     615
 8378.85  610.68 8536.94  610.68 8536.94     610 9176.84     610 9349.99  608.25
 9775.33  603.29 9959.77   600.6 9974.82  600.3810163.03     60010772.81     600
10959.21  571.1411059.21  571.1411259.21     60011747.88  604.5813409.37  609.77
13604.83  609.88 13839.4  637.6513898.04  645.9214073.96  654.6714386.71  664.32
14543.08  661.5414582.17   660.614875.38  660.0414894.92  661.2115129.49  675.73
15364.05     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510772.81     .1511259.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10772.8111259.21               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1322453.00   86228.10   538664.00
```

```
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1322453.00   86228.10   538664.00
  Q Total (cfs)           206224.30    Flow (cfs)              136985.10   11378.23   57860.99
  Top Width (ft)          15364.05    Top Width (ft)          10772.81     486.40    4104.84
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.74    Hydr. Depth (ft)          122.76     177.28     131.23
  Conv. Total (cfs)       485710400.0    Conv. (cfs)             322634500.0   26798600.0   136277300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10820.31     490.69    4173.65
  Min Ch El (ft)            571.14    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3094.46     208.80    1257.56
  C & E Loss (ft)             0.00    Cum SA (acres)             23.53       1.08       9.11


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1258.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.51   680.1   609.8   679.9  997.51  676.02 1016.33  676.11
 1296.76  677.98 1321.23  677.67 1995.02  667.08 2032.66  667.49 2194.52  669.92
 2235.93     670 2793.03     670 2845.73  669.09 3790.54  650.19 3862.06     650
  4488.8     650 4573.49  642.65 4588.55  641.15 4675.12     640 4788.05     640
 4878.39  636.08 5187.05  620.65 5284.92  619.27 5885.31  614.13 5996.35     614
 7780.58     614 7880.33  614.87 7927.38  614.87 8029.02     615 8379.09     615
 8379.09  610.67 8537.18  610.67 8537.18     610  9177.1     610 9350.25  608.25
  9775.6  603.28 9960.05   600.6  9975.1  600.3710163.31     60010773.11     600
10959.67  571.1311059.67  571.1311259.67     60011748.46  604.5813410.37  609.78
13605.89  609.8813840.51   637.713899.17  645.9714075.14  654.6714387.97  664.33
14544.38  661.5414583.48   660.614876.76  660.0414896.31  661.2115130.94  675.75
15365.56     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510773.11     .1511259.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10773.1111259.67               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1322498.00   86258.78   538772.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1322498.00   86258.78   538772.10
  Q Total (cfs)           206224.30    Flow (cfs)              136977.60   11381.44   57865.22
  Top Width (ft)          15365.56    Top Width (ft)          10773.11     486.56    4105.89
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.75    Hydr. Depth (ft)          122.76     177.28     131.22
  Conv. Total (cfs)       485755600.0    Conv. (cfs)             322647000.0   26808660.0   136299900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10820.62     490.85    4174.70
  Min Ch El (ft)            571.13    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3079.28     207.81    1251.37
  C & E Loss (ft)             0.00    Cum SA (acres)             23.41       1.08       9.06


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1258.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.52   680.1  609.82   679.9  997.54  676.02 1016.36  676.11
  1296.8  677.98 1321.27  677.67 1995.08  667.08 2032.72  667.49 2194.58  669.92
 2235.99     670 2793.11     670 2845.81  669.08 3790.65  650.19 3862.17     650
 4488.92     650 4573.62  642.64 4588.68  641.13 4675.25     640 4788.18     640
 4878.53  636.07  5187.2  620.64 5285.07  619.27 5885.48  614.12 5996.52     614
  7780.8     614 7880.55  614.87 7927.61  614.87 8029.24     615 8379.32     615
 8379.32  610.66 8537.42  610.66 8537.42     610 9177.35     610 9350.51  608.24
 9775.88  603.28 9960.33   600.6 9975.38  600.37 10163.6     60010773.41     600
10960.12  571.1311060.12  571.1311260.12     60011749.04  604.5913411.38  609.78
13606.95  609.8813841.63  637.75 13900.3  646.0114076.31  654.6814389.22  664.34
14545.68  661.5314584.79  660.5914878.15  660.04 14897.7  661.2115132.39  675.78
15367.07     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510773.41     .1511260.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10773.4111260.12               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1322554.00   86285.00   538879.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1322554.00   86285.00   538879.20
  Q Total (cfs)           206224.30    Flow (cfs)              136971.50   11383.81   57869.02
  Top Width (ft)          15367.07    Top Width (ft)          10773.41     486.71    4106.95
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.75    Hydr. Depth (ft)          122.76     177.28     131.21
  Conv. Total (cfs)       485802300.0    Conv. (cfs)             322663500.0   26816830.0   136322000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10820.92     491.00    4175.76
  Min Ch El (ft)            571.13    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3064.10     206.82    1245.19
  C & E Loss (ft)             0.00    Cum SA (acres)             23.29       1.07       9.01
```

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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1257.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.54   680.1  609.83   679.9  997.57  676.02 1016.39  676.11
 1296.84  677.98  1321.3  677.67 1995.13  667.08 2032.78  667.49 2194.65  669.92
 2236.05     670 2793.19     670 2845.89  669.08 3790.75  650.18 3862.28     650
 4489.05     650 4573.75  642.63 4588.81  641.12 4675.39     640 4788.32     640
 4878.66  636.07 5187.34  620.63 5285.22  619.27 5885.64  614.12 5996.69     614
 7781.02     614 7880.77  614.87 7927.83  614.87 8029.47     615 8379.56     615
 8379.56  610.66 8537.66  610.66 8537.66     610 9177.61     610 9350.77  608.24
 9776.15  603.28 9960.61  600.59 9975.66  600.3710163.88     60010773.72     600
10960.57  571.1311060.57  571.1311260.57     60011749.62  604.5913412.39  609.78
13608.01  609.8813842.75  637.7913901.43  646.0614077.49  654.6914390.48  664.34
14546.98  661.53 14586.1  660.5814879.53  660.0414899.09  661.2215133.84  675.81
15368.58     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510773.72     .1511260.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10773.7211260.57               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1322601.00   86309.52   538997.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1322601.00   86309.52   538997.60
  Q Total (cfs)           206224.30    Flow (cfs)              136963.60   11385.93   57874.72
  Top Width (ft)          15368.58    Top Width (ft)          10773.72     486.85    4108.01
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.75    Hydr. Depth (ft)          122.76     177.28     131.21
  Conv. Total (cfs)       485850000.0    Conv. (cfs)            322676800.0   26824470.0   136348800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10821.23     491.14    4176.82
  Min Ch El (ft)            571.13    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3048.92     205.83    1239.00
  C & E Loss (ft)             0.00    Cum SA (acres)             23.16       1.07       8.97


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1257.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.56   680.1  609.85   679.9  997.59  676.02 1016.42  676.11
 1296.87  677.98 1321.34  677.66 1995.19  667.08 2032.83  667.49 2194.71  669.92
 2236.12     670 2793.26     670 2845.97  669.08 3790.86  650.18 3862.38     650
 4489.17     650 4573.88  642.61 4588.93  641.11 4675.52     640 4788.45     640
  4878.8  636.06 5187.49  620.63 5285.37  619.27 5885.81  614.12 5996.86     614
 7781.24     614 7880.99  614.87 7928.05  614.87 8029.69     615 8379.79     615
 8379.79  610.65  8537.9  610.65  8537.9     610 9177.87     610 9351.03  608.24
 9776.42  603.28 9960.88  600.59 9975.94  600.3610164.17     60010774.02     600
10961.03  571.1311061.03  571.1311261.03     600 11750.2   604.613413.39  609.78
13609.06  609.8813843.87  637.8413902.57   646.114078.67   654.714391.74  664.35
14548.28  661.5214587.41  660.5814880.92  660.0414900.48  661.2215135.29  675.84
15370.09     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510774.02     .1511261.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10774.0211261.03               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1322647.00   86337.43   539101.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1322647.00   86337.43   539101.60
  Q Total (cfs)           206224.30    Flow (cfs)              136957.10   11388.63   57878.55
  Top Width (ft)          15370.09    Top Width (ft)          10774.02     487.01    4109.06
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.75    Hydr. Depth (ft)          122.76     177.28     131.20
  Conv. Total (cfs)       485892400.0    Conv. (cfs)            322689600.0   26833160.0   136369700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10821.53     491.30    4177.88
  Min Ch El (ft)            571.13    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3033.74     204.84    1232.81
  C & E Loss (ft)             0.00    Cum SA (acres)             23.04       1.06       8.92


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1256.5*

INPUT
Description:
Station Elevation Data    num=      56
```

```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.57   680.1  609.87   679.9  997.62  676.02 1016.45  676.11
 1296.91  677.98 1321.38  677.66 1995.24  667.07 2032.89  667.49 2194.77  669.92
 2236.18     670 2793.34     670 2846.05  669.08 3790.96  650.18 3862.49     650
  4489.3     650    4574   642.6 4589.06  641.09 4675.65     640 4788.59     640
 4878.94  636.05 5187.64  620.62 5285.52  619.27 5885.97  614.12 5997.03     614
 7781.45     614 7881.22  614.87 7928.27  614.87 8029.92     615 8380.03     615
 8380.03  610.64 8538.14  610.64 8538.14     610 9178.12     610  9351.3  608.23
  9776.7  603.27 9961.16  600.58 9976.22  600.3610164.45     60010774.32     600
10961.48  571.1311061.48  571.1311261.48     60011750.78   604.6 13414.4  609.79
13610.12  609.8813844.99  637.89 13903.7  646.1514079.85  654.71   14393  664.36
14549.58  661.5114588.72  660.57 14882.3  660.0414901.87  661.2215136.74  675.86
 15371.6     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510774.32     .1511261.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10774.3211261.48               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1322702.00   86363.48   539211.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1322702.00   86363.48   539211.50
  Q Total (cfs)           206224.30    Flow (cfs)              136950.60   11390.96   57882.75
  Top Width (ft)          15371.60    Top Width (ft)          10774.32     487.16    4110.12
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.75    Hydr. Depth (ft)          122.76     177.28     131.19
  Conv. Total (cfs)       485940000.0    Conv. (cfs)            322705800.0   26841280.0   136392900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10821.83     491.45    4178.94
  Min Ch El (ft)            571.13    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3018.55     203.85    1226.63
  C & E Loss (ft)             0.00    Cum SA (acres)             22.92       1.06       8.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1256.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.59  680.09  609.88   679.9  997.65  676.02 1016.47  676.11
 1296.95  677.98 1321.42  677.66  1995.3  667.07 2032.95  667.49 2194.83  669.92
 2236.24     670 2793.42     670 2846.13  669.08 3791.07  650.18  3862.6     650
 4489.43     650 4574.13  642.59 4589.19  641.08 4675.78     640 4788.72     640
 4879.07  636.05 5187.78  620.61 5285.66  619.27 5886.14  614.12  5997.2     614
 7781.67     614 7881.44  614.87  7928.5  614.87 8030.14     615 8380.26     615
 8380.26  610.63 8538.38  610.63 8538.38     610 9178.38     610 9351.56  608.23
 9776.97  603.27 9961.44  600.58  9976.5  600.3510164.74     60010774.62     600
10961.93  571.1311061.93  571.1311261.93     60011751.36  604.6113415.41  609.79
13611.18  609.88 13846.1  637.9413904.83  646.1914081.03  654.7114394.26  664.37
14550.88  661.5114590.03  660.5614883.69  660.0414903.26  661.2215138.19  675.89
15373.11     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510774.62     .1511261.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10774.6211261.93               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1322748.00   86389.52   539320.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1322748.00   86389.52   539320.20
  Q Total (cfs)           206224.30    Flow (cfs)              136943.70   11393.39   57887.21
  Top Width (ft)          15373.11    Top Width (ft)          10774.62     487.31    4111.18
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.75    Hydr. Depth (ft)          122.77     177.28     131.18
  Conv. Total (cfs)       485983300.0    Conv. (cfs)            322718200.0   26849390.0   136415600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10822.13     491.59    4180.00
  Min Ch El (ft)            571.13    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3003.37     202.85    1220.44
  C & E Loss (ft)             0.00    Cum SA (acres)             22.79       1.05       8.83


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1255.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.61  680.09   609.9   679.9  997.68  676.02  1016.5  676.11
 1296.98  677.98 1321.45  677.66 1995.36  667.07    2033   667.5 2194.89  669.92
 2236.31     670  2793.5     670 2846.21  669.08 3791.18  650.18 3862.71     650
 4489.55     650 4574.26  642.57 4589.32  641.07 4675.91     640 4788.86     640
 4879.21  636.04 5187.93   620.6 5285.81  619.26  5886.3  614.12 5997.36     614
 7781.89     614 7881.66  614.87 7928.72  614.87 8030.37     615  8380.5     615
  8380.5  610.63 8538.62  610.63 8538.62     610 9178.64     610 9351.82  608.23
 9777.25  603.27 9961.72  600.57 9976.78  600.3510165.02     60010774.92     600
10962.39  571.1311062.39  571.1311262.39     60011751.94  604.6113416.42  609.79
13612.24  609.8913847.22  637.9913905.97  646.2414082.21  654.7214395.52  664.37
14552.17   661.514591.34  660.5614885.07  660.0314904.65  661.2215139.64  675.92
```

```
15374.62     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510774.92     .1511262.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10774.9211262.39               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1322793.00   86417.44   539435.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1322793.00   86417.44   539435.70
  Q Total (cfs)           206224.30    Flow (cfs)              136935.80   11395.97   57892.55
  Top Width (ft)          15374.62    Top Width (ft)          10774.92     487.47    4112.23
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.75    Hydr. Depth (ft)          122.77     177.28     131.18
  Conv. Total (cfs)       486030400.0    Conv. (cfs)            322730900.0   26858090.0   136441500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10822.43     491.75    4181.05
  Min Ch El (ft)            571.13    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2988.19     201.86    1214.24
  C & E Loss (ft)             0.00    Cum SA (acres)             22.67       1.04       8.78


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1255.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.62  680.09  609.92   679.9  997.71  676.02 1016.53  676.11
 1297.02  677.98 1321.49  677.66 1995.41  667.07 2033.06   667.5 2194.95  669.92
 2236.37     670 2793.58     670 2846.29  669.07 3791.28  650.17 3862.82     650
 4489.68     650 4574.39  642.56 4589.45  641.06 4676.04     640 4788.99     640
 4879.35  636.03 5188.07   620.6 5285.96  619.26 5886.47  614.12 5997.53     614
 7782.11     614 7881.88  614.88 7928.94  614.88 8030.59     615 8380.73     615
 8380.73  610.62 8538.86  610.62 8538.86     610  9178.9     610 9352.08  608.23
 9777.52  603.26    9962  600.57 9977.06  600.3410165.31     60010775.23     600
10962.84  571.1211062.84  571.1211262.84     60011752.52  604.6213417.42  609.79
13613.29  609.8913848.34  638.04 13907.1  646.2814083.38  654.7314396.78  664.38
14553.47   661.514592.65  660.5514886.46  660.0314906.04  661.2315141.09  675.95
15376.13     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510775.23     .1511262.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10775.2311262.84               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1322849.00   86444.73   539540.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1322849.00   86444.73   539540.30
  Q Total (cfs)           206224.30    Flow (cfs)              136929.70   11398.70   57895.94
  Top Width (ft)          15376.13    Top Width (ft)          10775.23     487.61    4113.29
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.76    Hydr. Depth (ft)          122.77     177.28     131.17
  Conv. Total (cfs)       486076900.0    Conv. (cfs)            322747300.0   26867090.0   136462500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10822.75     491.89    4182.11
  Min Ch El (ft)            571.12    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2973.00     200.87    1208.05
  C & E Loss (ft)             0.00    Cum SA (acres)             22.55       1.04       8.73


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1254.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.64  680.09  609.94   679.9  997.73  676.02 1016.56  676.11
 1297.05  677.98 1321.53  677.66 1995.47  667.07 2033.12   667.5 2195.02  669.93
 2236.43     670 2793.66     670 2846.37  669.07 3791.39  650.17 3862.93     650
  4489.8     650 4574.52  642.55 4589.58  641.04 4676.17     640 4789.12     640
 4879.48  636.03 5188.22  620.59 5286.11  619.26 5886.63  614.11  5997.7     614
 7782.33     614  7882.1  614.88 7929.16  614.88 8030.82     615 8380.97     615
 8380.97  610.61  8539.1  610.61  8539.1     610 9179.15     610 9352.35  608.22
 9777.79  603.26 9962.28  600.57 9977.34  600.3410165.59     60010775.53     600
10963.29  571.1211063.29  571.1211263.29     600 11753.1  604.6213418.43   609.8
13614.35  609.8913849.46  638.0813908.23  646.3314084.56  654.7414398.04  664.39
14554.77  661.4914593.96  660.5414887.84  660.0314907.43  661.2315142.54  675.97
15377.64     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510775.53     .1511263.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10775.5311263.29               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
```

```
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1322896.00   86470.95   539651.60
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1322896.00   86470.95   539651.60
  Q Total (cfs)          206224.30    Flow (cfs)              136922.50   11401.11   57900.64
  Top Width (ft)         15377.64    Top Width (ft)          10775.53     487.76    4114.35
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.76    Hydr. Depth (ft)          122.77     177.28     131.16
  Conv. Total (cfs)      486122000.0    Conv. (cfs)            322760500.0   26875260.0   136486200.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10823.05     492.04    4183.18
  Min Ch El (ft)           571.12    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     2957.82     199.88    1201.86
  C & E Loss (ft)            0.00    Cum SA (acres)             22.42       1.03       8.68


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1254.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.66  680.09  609.95   679.9  997.76  676.02 1016.59  676.11
 1297.09  677.98 1321.56  677.66 1995.52  667.07 2033.18   667.5 2195.08  669.93
 2236.49     670 2793.73     670 2846.45  669.07  3791.5  650.17 3863.03     650
 4489.93     650 4574.65  642.54 4589.71  641.03  4676.3     640 4789.26     640
 4879.62  636.02 5188.36  620.58 5286.26  619.26  5886.8  614.11 5997.87     614
 7782.54     614 7882.32  614.88 7929.39  614.88 8031.04     615  8381.2     615
  8381.2   610.6 8539.34   610.6 8539.34     610 9179.41     610 9352.61  608.22
 9778.07  603.26 9962.56  600.56 9977.62  600.3410165.88     60010775.83     600
10963.75  571.1211063.75  571.1211263.75     60011753.68  604.6213419.44   609.8
13615.41  609.8913850.57  638.1313909.37  646.3714085.74  654.7514399.29   664.4
14556.07  661.4814595.27  660.5414889.22  660.0314908.82  661.2315143.99     676
15379.15     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510775.83     .1511263.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10775.8311263.75               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1322941.00   86498.86   539766.30
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1322941.00   86498.86   539766.30
  Q Total (cfs)          206224.30    Flow (cfs)              136914.60   11403.72   57905.94
  Top Width (ft)         15379.15    Top Width (ft)          10775.83     487.92    4115.40
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.76    Hydr. Depth (ft)          122.77     177.28     131.16
  Conv. Total (cfs)      486168300.0    Conv. (cfs)            322772600.0   26883950.0   136511700.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10823.35     492.20    4184.23
  Min Ch El (ft)           571.12    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     2942.63     198.88    1195.66
  C & E Loss (ft)            0.00    Cum SA (acres)             22.30       1.03       8.64


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1253.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.67  680.09  609.97   679.9  997.79  676.02 1016.62  676.11
 1297.13  677.98  1321.6  677.66 1995.58  667.07 2033.23   667.5 2195.14  669.93
 2236.56     670 2793.81     670 2846.53  669.07  3791.6  650.17 3863.14     650
 4490.06     650 4574.77  642.52 4589.83  641.02 4676.44     640 4789.39     640
 4879.76  636.01 5188.51  620.57  5286.4  619.26 5886.96  614.11 5998.04     614
 7782.76     614 7882.54  614.88 7929.61  614.88 8031.27     615 8381.44     615
 8381.44   610.6 8539.58   610.6 8539.58     610 9179.67     610 9352.87  608.22
 9778.34  603.25 9962.84  600.56  9977.9  600.3310166.16     60010776.13     600
 10964.2  571.12 11064.2  571.12 11264.2     60011754.25  604.6313420.44   609.8
13616.46  609.8913851.69  638.18 13910.5  646.4214086.92  654.7614400.55   664.4
14557.37  661.4814596.58  660.5314890.61  660.0314910.21  661.2315145.44  676.03
15380.67     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510776.13     .15 11264.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10776.13 11264.2               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1322987.00   86525.08   539874.00
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1322987.00   86525.08   539874.00
  Q Total (cfs)          206224.30    Flow (cfs)              136908.00   11406.17   57910.16
  Top Width (ft)         15380.67    Top Width (ft)          10776.13     488.07    4116.47
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.76    Hydr. Depth (ft)          122.77     177.28     131.15
  Conv. Total (cfs)      486211500.0    Conv. (cfs)            322785500.0   26892120.0   136533800.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10823.65     492.35    4185.30
  Min Ch El (ft)           571.12    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
```

```
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     2927.45     197.89    1189.47
  C & E Loss (ft)            0.00    Cum SA (acres)             22.17       1.02       8.59


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1253.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.69  680.09  609.99   679.9  997.82  676.02 1016.64  676.11
 1297.16  677.98 1321.64  677.66 1995.64  667.07 2033.29   667.5  2195.2  669.93
 2236.62     670 2793.89     670 2846.61  669.07 3791.71  650.17 3863.25     650
 4490.18     650  4574.9  642.51 4589.96     641 4676.57     640 4789.53     640
  4879.9  636.01 5188.65  620.57 5286.55  619.26 5887.13  614.11  5998.2     614
 7782.98     614 7882.76  614.88 7929.83  614.88 8031.49     615 8381.67     615
 8381.67  610.59 8539.82  610.59 8539.82     610 9179.93     610 9353.13  608.21
 9778.62  603.25 9963.12  600.55 9978.18  600.3310166.45     60010776.43     600
10964.65  571.1211064.65  571.1211264.65     60011754.83  604.6313421.45   609.8
13617.52  609.8913852.81  638.2313911.63  646.47 14088.1  654.7614401.81  664.41
14558.67  661.4714597.88  660.5214891.99  660.03 14911.6  661.2415146.89  676.06
15382.17     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510776.43     .1511264.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10776.4311264.65               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1323031.00   86551.30   539991.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1323031.00   86551.30   539991.20
  Q Total (cfs)           206224.30    Flow (cfs)              136899.90   11408.54   57915.88
  Top Width (ft)          15382.17    Top Width (ft)          10776.43     488.22    4117.52
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.76    Hydr. Depth (ft)          122.77     177.28     131.14
  Conv. Total (cfs)       486257900.0    Conv. (cfs)             322797300.0   26900290.0   136560300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10823.95     492.50    4186.35
  Min Ch El (ft)            571.12    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2912.26     196.90    1183.27
  C & E Loss (ft)             0.00    Cum SA (acres)             22.05       1.02       8.54


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1252.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.71  680.09     610   679.9  997.85  676.02 1016.67  676.11
  1297.2  677.98 1321.68  677.66 1995.69  667.07 2033.35   667.5 2195.26  669.93
 2236.68     670 2793.97     670 2846.69  669.07 3791.81  650.16 3863.36     650
 4490.31     650 4575.03   642.5 4590.09  640.99  4676.7     640 4789.66     640
 4880.03     636  5188.8  620.56  5286.7  619.26 5887.29  614.11 5998.37     614
  7783.2     614 7882.98  614.88 7930.05  614.88 8031.72     615 8381.91     615
 8381.91  610.58 8540.06  610.58 8540.06     610 9180.18     610 9353.39  608.21
 9778.89  603.25  9963.4  600.55 9978.46  600.3210166.73     60010776.74     600
10965.11  571.1211065.11  571.1211265.11     60011755.41  604.6413422.46  609.81
13618.58  609.8913853.93  638.2813912.76  646.5114089.28  654.7714403.07  664.42
14559.97  661.4714599.19  660.5214893.38  660.0314912.99  661.2415148.34  676.08
15383.69     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510776.74     .1511265.11     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10776.7411265.11               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1323082.00   86577.34   540087.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1323082.00   86577.34   540087.90
  Q Total (cfs)           206224.30    Flow (cfs)              136894.70   11411.03   57918.55
  Top Width (ft)          15383.69    Top Width (ft)          10776.74     488.37    4118.58
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.76    Hydr. Depth (ft)          122.77     177.28     131.13
  Conv. Total (cfs)       486298300.0    Conv. (cfs)             322812000.0   26908410.0   136578000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10824.26     492.65    4187.42
  Min Ch El (ft)            571.12    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2897.08     195.90    1177.07
  C & E Loss (ft)             0.00    Cum SA (acres)             21.93       1.01       8.50


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1252.*
```

```
INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.72  680.09  610.02   679.9  997.87  676.02  1016.7  676.11
 1297.24  677.98 1321.71  677.66 1995.75  667.07  2033.4   667.5 2195.32  669.93
 2236.74     670 2794.05     670 2846.76  669.06 3791.92  650.16 3863.47     650
 4490.43     650 4575.16  642.48 4590.22  640.98 4676.83     640  4789.8     640
 4880.17  635.99 5188.94  620.55 5286.85  619.26 5887.46  614.11 5998.54     614
 7783.42     614  7883.2  614.89 7930.27  614.89 8031.94     615 8382.14     615
 8382.14  610.57 8540.29  610.57 8540.29     610 9180.44     610 9353.66  608.21
 9779.17  603.24 9963.68  600.54 9978.74  600.3210167.02     60010777.04     600
10965.56  571.1111065.56  571.1111265.56     60011755.99  604.6413423.46  609.81
13619.64   609.913855.04  638.33 13913.9  646.5614090.45  654.7814404.33  664.43
14561.27  661.46 14600.5  660.5114894.76  660.0314914.38  661.2415149.79  676.11
 15385.2     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510777.04     .1511265.56     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10777.0411265.56               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1323133.00   86606.33   540202.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1323133.00   86606.33   540202.40
  Q Total (cfs)           206224.30    Flow (cfs)              136887.10   11413.91   57923.31
  Top Width (ft)          15385.20    Top Width (ft)          10777.04     488.52    4119.64
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.77    Hydr. Depth (ft)          122.77     177.28     131.13
  Conv. Total (cfs)       486347900.0    Conv. (cfs)            322826800.0   26917940.0   136603100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10824.56     492.80    4188.48
  Min Ch El (ft)            571.11    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2881.89     194.91    1170.87
  C & E Loss (ft)             0.00    Cum SA (acres)             21.80       1.00       8.45


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1251.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.74  680.08  610.04   679.9   997.9  676.02 1016.73  676.11
 1297.27  677.98 1321.75  677.66  1995.8  667.07 2033.46   667.5 2195.38  669.93
 2236.81     670 2794.13     670 2846.84  669.06 3792.03  650.16 3863.58     650
 4490.56     650 4575.29  642.47 4590.35  640.97 4676.96     640 4789.93     640
 4880.31  635.98 5189.09  620.55    5287  619.25 5887.62  614.11 5998.71     614
 7783.64     614 7883.43  614.89  7930.5  614.89 8032.17     615 8382.38     615
 8382.38  610.57 8540.53  610.57 8540.53     610  9180.7     610 9353.92   608.2
 9779.44  603.24 9963.96  600.54 9979.02  600.31 10167.3     60010777.34     600
10966.01  571.1111066.01  571.1111266.01     60011756.57  604.6513424.47  609.81
 13620.7   609.913856.16  638.3713915.03   646.614091.63  654.7914405.59  664.43
14562.57  661.4514601.81   660.514896.15  660.0314915.77  661.2415151.24  676.14
15386.71     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510777.34     .1511266.01     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10777.3411266.01               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1323184.00   86632.55   540313.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1323184.00   86632.55   540313.30
  Q Total (cfs)           206224.30    Flow (cfs)              136880.20   11416.29   57927.83
  Top Width (ft)          15386.71    Top Width (ft)          10777.34     488.67    4120.70
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.77    Hydr. Depth (ft)          122.77     177.28     131.12
  Conv. Total (cfs)       486394200.0    Conv. (cfs)            322841300.0   26926100.0   136626800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10824.87     492.94    4189.54
  Min Ch El (ft)            571.11    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2866.70     193.92    1164.67
  C & E Loss (ft)             0.00    Cum SA (acres)             21.68       1.00       8.40


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1251.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.76  680.08  610.06   679.9  997.93  676.02 1016.76  676.11
 1297.31  677.98 1321.79  677.66 1995.86  667.07 2033.52   667.5 2195.45  669.93
 2236.87     670  2794.2     670 2846.92  669.06 3792.13  650.16 3863.68     650
 4490.68     650 4575.41  642.46 4590.48  640.95 4677.09     640 4790.06     640
 4880.44  635.98 5189.24  620.54 5287.15  619.25 5887.79   614.1 5998.88     614
 7783.85     614 7883.65  614.89 7930.72  614.89 8032.39     615 8382.61     615
 8382.61  610.56 8540.77  610.56 8540.77     610 9180.96     610 9354.18   608.2
 9779.71  603.24 9964.24  600.54  9979.3  600.3110167.59     60010777.64     600
```

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10966.46  571.1111066.46  571.1111266.46     60011757.15  604.6513425.48  609.81
13621.75   609.913857.28  638.4213916.16  646.6514092.81   654.814406.85  664.44
14563.87  661.4514603.12   660.514897.53  660.0314917.16  661.2415152.69  676.17
15388.22     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510777.64     .1511266.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10777.6411266.46               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1323229.00   86658.77   540427.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1323229.00   86658.77   540427.20
  Q Total (cfs)           206224.30    Flow (cfs)              136872.70   11418.68   57932.95
  Top Width (ft)          15388.22    Top Width (ft)          10777.64     488.82    4121.76
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.77    Hydr. Depth (ft)          122.78     177.28     131.12
  Conv. Total (cfs)       486439800.0    Conv. (cfs)            322853900.0   26934270.0   136651700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10825.17     493.09    4190.60
  Min Ch El (ft)            571.11    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2851.51     192.92    1158.47
  C & E Loss (ft)             0.00    Cum SA (acres)             21.56       0.99       8.35


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1250.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.77  680.08  610.07   679.9  997.96  676.02 1016.79  676.11
 1297.35  677.98 1321.82  677.66 1995.92  667.06 2033.57   667.5 2195.51  669.93
 2236.93     670 2794.28     670    2847  669.06 3792.24  650.16 3863.79     650
 4490.81     650 4575.54  642.45 4590.61  640.94 4677.22     640  4790.2     640
 4880.58  635.97 5189.38  620.53 5287.29  619.25 5887.95   614.1 5999.05     614
 7784.07     614 7883.87  614.89 7930.94  614.89 8032.62     615 8382.85     615
 8382.85  610.55 8541.01  610.55 8541.01     610 9181.21     610 9354.44   608.2
 9779.99  603.23 9964.52  600.53 9979.58  600.3110167.87     60010777.95     600
10966.92  571.1111066.92  571.1111266.92     60011757.73  604.6613426.49  609.82
13622.81   609.9 13858.4  638.47 13917.3  646.6914093.99   654.814408.11  664.45
14565.17  661.4414604.43  660.4914898.92  660.0314918.55  661.2515154.14  676.19
15389.73     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510777.95     .1511266.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10777.9511266.92               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1323282.00   86684.81   540527.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1323282.00   86684.81   540527.10
  Q Total (cfs)           206224.30    Flow (cfs)              136867.10   11421.12   57936.04
  Top Width (ft)          15389.73    Top Width (ft)          10777.95     488.97    4122.81
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.77    Hydr. Depth (ft)          122.78     177.28     131.11
  Conv. Total (cfs)       486482300.0    Conv. (cfs)            322869000.0   26942390.0   136670900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10825.48     493.24    4191.65
  Min Ch El (ft)            571.11    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2836.32     191.93    1152.26
  C & E Loss (ft)             0.00    Cum SA (acres)             21.43       0.99       8.31


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1250.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.79  680.08  610.09   679.9  997.99  676.02 1016.82  676.11
 1297.38  677.98 1321.86  677.66 1995.97  667.06 2033.63   667.5 2195.57  669.93
 2236.99     670 2794.36     670 2847.08  669.06 3792.35  650.15  3863.9     650
 4490.94     650 4575.67  642.43 4590.74  640.93 4677.35     640 4790.33     640
 4880.72  635.96 5189.53  620.52 5287.44  619.25 5888.12   614.1 5999.21     614
 7784.29     614 7884.09  614.89 7931.16  614.89 8032.85     615 8383.08     615
 8383.08  610.54 8541.25  610.54 8541.25     610 9181.47     610 9354.71   608.2
 9780.26  603.23 9964.79  600.53 9979.86  600.310168.16     60010778.25     600
10967.37  571.1111067.37  571.1111267.37     60011758.31  604.6613427.49  609.82
13623.87   609.913859.52  638.5213918.43  646.7414095.17  654.8114409.37  664.46
14566.46  661.4414605.74  660.48 14900.3  660.0314919.94  661.2515155.59  676.22
15391.24     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510778.25     .1511267.37     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10778.2511267.37               .5      .5      .5             .1       .3
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```
CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1323332.00   86711.03   540642.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1323332.00   86711.03   540642.70
  Q Total (cfs)           206224.30    Flow (cfs)              136859.70   11423.46   57941.17
  Top Width (ft)          15391.24    Top Width (ft)          10778.25     489.12    4123.87
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.10       0.13       0.11
  Max Chl Dpth (ft)         188.77    Hydr. Depth (ft)          122.78     177.28     131.10
  Conv. Total (cfs)       486530400.0    Conv. (cfs)            322883300.0   26950550.0   136696500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10825.78     493.39    4192.72
  Min Ch El (ft)            571.11    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2821.13     190.93    1146.06
  C & E Loss (ft)             0.00    Cum SA (acres)             21.31       0.98       8.26


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1249.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.81  680.08  610.11   679.9  998.01  676.02 1016.84  676.11
 1297.42  677.98  1321.9  677.66 1996.03  667.06 2033.69  667.51 2195.63  669.93
 2237.06     670 2794.44     670 2847.16  669.06 3792.45  650.15 3864.01     650
 4491.06     650  4575.8  642.42 4590.86  640.91 4677.48     640 4790.47     640
 4880.85  635.96 5189.67  620.52 5287.59  619.25 5888.28   614.1 5999.38     614
 7784.51     614 7884.31  614.89 7931.39  614.89 8033.07     615 8383.32     615
 8383.32  610.54 8541.49  610.54 8541.49     610 9181.73     610 9354.97  608.19
 9780.54  603.23 9965.07  600.52 9980.14  600.310168.44     60010778.55     600
10967.83  571.1111067.83  571.1111267.83     60011758.89  604.67 13428.5  609.82
13624.92   609.913860.63  638.5713919.56  646.7814096.34  654.8214410.62  664.46
14567.76  661.4314607.05  660.4814901.69  660.0314921.33  661.2515157.04  676.25
15392.75     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510778.55     .1511267.83     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10778.5511267.83               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1323373.00   86738.95   540748.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1323373.00   86738.95   540748.40
  Q Total (cfs)           206224.30    Flow (cfs)              136852.70   11426.18   57945.47
  Top Width (ft)          15392.75    Top Width (ft)          10778.55     489.28    4124.92
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.10       0.13       0.11
  Max Chl Dpth (ft)         188.77    Hydr. Depth (ft)          122.78     177.28     131.09
  Conv. Total (cfs)       486571500.0    Conv. (cfs)            322894000.0   26959250.0   136718200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10826.08     493.55    4193.77
  Min Ch El (ft)            571.11    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2805.94     189.94    1139.85
  C & E Loss (ft)             0.00    Cum SA (acres)             21.18       0.98       8.21


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1249.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.83  680.08  610.12   679.9  998.04  676.02 1016.87  676.11
 1297.45  677.98 1321.93  677.66 1996.08  667.06 2033.75  667.51 2195.69  669.94
 2237.12     670 2794.52     670 2847.24  669.06 3792.56  650.15 3864.12     650
 4491.19     650 4575.93  642.41 4590.99   640.9 4677.62     640  4790.6     640
 4880.99  635.95 5189.82  620.51 5287.74  619.25 5888.45   614.1 5999.55     614
 7784.73     614 7884.53  614.89 7931.61  614.89  8033.3     615 8383.55     615
 8383.55  610.53 8541.73  610.53 8541.73     610 9181.99     610 9355.23  608.19
 9780.81  603.22 9965.35  600.52 9980.42  600.2910168.73     60010778.85     600
10968.28  571.1111068.28  571.1111268.28     60011759.47  604.6713429.51  609.82
13625.98   609.913861.75  638.62 13920.7  646.8314097.52  654.8314411.88  664.47
14569.06  661.4214608.36  660.4714903.07  660.0314922.72  661.2515158.49  676.28
15394.26     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510778.85     .1511268.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10778.8511268.28               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1323419.00   86765.16   540865.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1323419.00   86765.16   540865.10
  Q Total (cfs)           206224.30    Flow (cfs)              136844.80   11428.53   57950.92
  Top Width (ft)          15394.26    Top Width (ft)          10778.85     489.43    4125.98
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)           0.10       0.13       0.11
  Max Chl Dpth (ft)         188.77    Hydr. Depth (ft)          122.78     177.28     131.09
  Conv. Total (cfs)       486618500.0    Conv. (cfs)            322906800.0   26967420.0   136744300.0
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  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10826.38     493.70    4194.83
  Min Ch El (ft)            571.11    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2790.75     188.94    1133.64
  C & E Loss (ft)             0.00    Cum SA (acres)             21.06       0.97       8.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1248.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.84  680.08  610.14   679.9  998.07  676.02  1016.9  676.11
 1297.49  677.98 1321.97  677.65 1996.14  667.06  2033.8  667.51 2195.75  669.94
 2237.18     670  2794.6     670 2847.32  669.05 3792.67  650.15 3864.22     650
 4491.31     650 4576.06  642.39 4591.12  640.89 4677.75     640 4790.74     640
 4881.13  635.94 5189.96   620.5 5287.89  619.25 5888.61   614.1 5999.72     614
 7784.94     614 7884.75   614.9 7931.83   614.9 8033.52     615 8383.79     615
 8383.79  610.52 8541.97  610.52 8541.97     610 9182.24     610 9355.49  608.19
 9781.08  603.22 9965.63  600.52  9980.7  600.2910169.01     60010779.15     600
10968.73   571.111068.73   571.111268.73     60011760.04  604.6813430.51  609.83
13627.04  609.9113862.87  638.6613921.83  646.87 14098.7  654.8414413.14  664.48
14570.36  661.4214609.67  660.4614904.46  660.0314924.11  661.2515159.94   676.3
15395.77     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510779.15     .1511268.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10779.1511268.73               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1323470.00   86794.16   540963.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1323470.00   86794.16   540963.40
  Q Total (cfs)           206224.30    Flow (cfs)              136839.10   11431.57   57953.60
  Top Width (ft)          15395.77    Top Width (ft)          10779.15     489.58    4127.04
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.78    Hydr. Depth (ft)          122.78     177.28     131.08
  Conv. Total (cfs)       486661300.0    Conv. (cfs)            322921700.0   26976950.0   136762600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10826.68     493.85    4195.89
  Min Ch El (ft)            571.10    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2775.56     187.94    1127.43
  C & E Loss (ft)             0.00    Cum SA (acres)             20.94       0.97       8.12


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1248.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.86  680.08  610.16   679.9   998.1  676.02 1016.93  676.11
 1297.53  677.98 1322.01  677.65  1996.2  667.06 2033.86  667.51 2195.82  669.94
 2237.25     670 2794.67     670  2847.4  669.05 3792.77  650.14 3864.33     650
 4491.44     650 4576.18  642.38 4591.25  640.88 4677.88     640 4790.87     640
 4881.26  635.94 5190.11  620.49 5288.04  619.25 5888.78   614.1 5999.89     614
 7785.16     614 7884.97   614.9 7932.05   614.9 8033.75     615 8384.02     615
 8384.02  610.51 8542.21  610.51 8542.21     610  9182.5     610 9355.75  608.18
 9781.36  603.22 9965.91  600.51 9980.98  600.29 10169.3     60010779.46     600
10969.18   571.111069.18   571.111269.18     60011760.62  604.6813431.52  609.83
 13628.1  609.9113863.99  638.7113922.96  646.9214099.88  654.85 14414.4  664.49
14571.66  661.4114610.98  660.4614905.84  660.03 14925.5  661.2615161.39  676.33
15397.28     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510779.46     .1511269.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10779.4611269.18               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1323522.00   86818.51   541077.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1323522.00   86818.51   541077.30
  Q Total (cfs)           206224.30    Flow (cfs)              136832.10   11433.67   57958.49
  Top Width (ft)          15397.28    Top Width (ft)          10779.46     489.72    4128.10
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.78    Hydr. Depth (ft)          122.78     177.28     131.07
  Conv. Total (cfs)       486708700.0    Conv. (cfs)            322936700.0   26984540.0   136787500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10827.00     493.99    4196.96
  Min Ch El (ft)            571.10    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2760.37     186.95    1121.22
  C & E Loss (ft)             0.00    Cum SA (acres)             20.81       0.96       8.07


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 1247.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  598.88  680.07  610.17   679.9  998.13  676.02 1016.96  676.11
  1297.56  677.98 1322.05  677.65 1996.25  667.06 2033.92  667.51 2195.88  669.94
  2237.31     670 2794.75     670 2847.48  669.05 3792.88  650.14 3864.44     650
  4491.57     650 4576.31  642.37 4591.38  640.86 4678.01     640    4791     640
   4881.4  635.93 5190.25  620.49 5288.18  619.24 5888.94  614.09 6000.05     614
  7785.38     614 7885.19   614.9 7932.27   614.9 8033.97     615 8384.26     615
  8384.26  610.51 8542.45  610.51 8542.45     610 9182.76     610 9356.02  608.18
  9781.63  603.21 9966.19  600.51 9981.26  600.2810169.58     60010779.76     600
 10969.64   571.111069.64   571.111269.64     600 11761.2  604.6913432.53  609.83
 13629.15  609.9113865.11  638.7613924.09  646.9614101.06  654.8514415.66  664.49
 14572.96   661.414612.29  660.4514907.23  660.0314926.89  661.2615162.84  676.36
 15398.79     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1510779.76     .1511269.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10779.7611269.64               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1323577.00   86846.43   541187.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1323577.00   86846.43   541187.30
  Q Total (cfs)           206224.30    Flow (cfs)              136825.40   11436.22   57962.70
  Top Width (ft)          15398.79    Top Width (ft)          10779.76     489.88    4129.15
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.78    Hydr. Depth (ft)          122.78     177.28     131.07
  Conv. Total (cfs)       486757000.0    Conv. (cfs)            322952800.0   26993230.0   136811000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10827.30     494.14    4198.01
  Min Ch El (ft)            571.10    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2745.18     185.95    1115.01
  C & E Loss (ft)             0.00    Cum SA (acres)             20.69       0.95       8.02


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1247.*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  598.89  680.07  610.19   679.9  998.15  676.02 1016.99  676.11
   1297.6  677.98 1322.08  677.65 1996.31  667.06 2033.97  667.51 2195.94  669.94
  2237.37     670 2794.83     670 2847.56  669.05 3792.98  650.14 3864.55     650
  4491.69     650 4576.44  642.36 4591.51  640.85 4678.14     640 4791.14     640
  4881.54  635.92  5190.4  620.48 5288.33  619.24 5889.11  614.09 6000.22     614
   7785.6     614 7885.41   614.9  7932.5   614.9  8034.2     615 8384.49     615
  8384.49   610.5 8542.69   610.5 8542.69     610 9183.01     610 9356.28  608.18
  9781.91  603.21 9966.47   600.5 9981.54  600.2810169.87     60010780.06     600
 10970.09   571.111070.09   571.111270.09     60011761.78  604.6913433.54  609.83
 13630.21  609.9113866.22  638.8113925.23  647.0114102.24  654.8614416.92   664.5
 14574.26   661.414613.59  660.4414908.61  660.0314928.28  661.2615164.29  676.39
  15400.3     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1510780.06     .1511270.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10780.0611270.09               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1323621.00   86872.64   541302.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1323621.00   86872.64   541302.80
  Q Total (cfs)           206224.30    Flow (cfs)              136817.60   11438.60   57968.08
  Top Width (ft)          15400.30    Top Width (ft)          10780.06     490.03    4130.21
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.78    Hydr. Depth (ft)          122.78     177.28     131.06
  Conv. Total (cfs)       486802900.0    Conv. (cfs)            322964900.0   27001400.0   136836600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10827.60     494.29    4199.07
  Min Ch El (ft)            571.10    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2729.99     184.95    1108.80
  C & E Loss (ft)             0.00    Cum SA (acres)             20.57       0.95       7.97


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1246.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  598.91  680.07  610.21   679.9  998.18  676.02 1017.02  676.11
  1297.64  677.98 1322.12  677.65 1996.36  667.06 2034.03  667.51    2196  669.94
  2237.43     670 2794.91     670 2847.64  669.05 3793.09  650.14 3864.66     650
  4491.82     650 4576.57  642.34 4591.64  640.84 4678.27     640 4791.27     640
  4881.67  635.92 5190.54  620.47 5288.48  619.24 5889.27  614.09 6000.39     614
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 7785.82     614 7885.64   614.9 7932.72   614.9 8034.42     615 8384.73     615
 8384.73  610.49 8542.93  610.49 8542.93     610 9183.27     610 9356.54  608.17
 9782.18  603.21 9966.75   600.5 9981.82  600.2710170.15     60010780.36     600
10970.54   571.111070.54   571.111270.54     60011762.36   604.713434.54  609.84
13631.27  609.9113867.34  638.8613926.36  647.0514103.41  654.8714418.18  664.51
14575.56  661.39 14614.9  660.44   14910  660.0314929.67  661.2615165.74  676.41
15401.81     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510780.36     .1511270.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10780.3611270.54               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1323667.00   86898.70   541400.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1323667.00   86898.70   541400.90
  Q Total (cfs)           206224.30    Flow (cfs)              136812.00   11441.12   57971.16
  Top Width (ft)          15401.81    Top Width (ft)          10780.36     490.18    4131.27
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.78    Hydr. Depth (ft)          122.79     177.28     131.05
  Conv. Total (cfs)       486842000.0    Conv. (cfs)             322977600.0   27009520.0   136854800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10827.90     494.44    4200.13
  Min Ch El (ft)            571.10    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2714.79     183.96    1102.59
  C & E Loss (ft)             0.00    Cum SA (acres)             20.44       0.94       7.93


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1246.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.93  680.07  610.23   679.9  998.21  676.02 1017.04  676.11
 1297.67  677.98 1322.16  677.65 1996.42  667.06 2034.09  667.51 2196.06  669.94
  2237.5     670 2794.99     670 2847.72  669.05  3793.2  650.14 3864.77     650
 4491.94     650  4576.7  642.33 4591.76  640.82  4678.4     640 4791.41     640
 4881.81  635.91 5190.69  620.47 5288.63  619.24 5889.44  614.09 6000.56     614
 7786.04     614 7885.86   614.9 7932.94   614.9 8034.65     615 8384.96     615
 8384.96  610.48 8543.17  610.48 8543.17     610 9183.53     610  9356.8  608.17
 9782.46   603.2 9967.03  600.49  9982.1  600.2710170.44     60010780.67     600
   10971   571.1   11071   571.1   11271     60011762.94   604.713435.55  609.84
13632.33  609.9113868.46  638.9113927.49  647.114104.59  654.8814419.44  664.52
14576.86  661.3914616.21  660.4314911.38  660.0314931.06  661.2615167.19  676.44
15403.32     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510780.67     .15   11271     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10780.67   11271               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1323715.00   86924.91   541514.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1323715.00   86924.91   541514.90
  Q Total (cfs)           206224.30    Flow (cfs)              136804.50   11443.49   57976.28
  Top Width (ft)          15403.32    Top Width (ft)          10780.67     490.33    4132.32
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.78    Hydr. Depth (ft)          122.79     177.28     131.04
  Conv. Total (cfs)       486888400.0    Conv. (cfs)             322990700.0   27017680.0   136880000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10828.21     494.59    4201.19
  Min Ch El (ft)            571.10    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2699.60     182.96    1096.37
  C & E Loss (ft)             0.00    Cum SA (acres)             20.32       0.94       7.88


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1245.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.94  680.07  610.24   679.9  998.24  676.02 1017.07  676.11
 1297.71  677.98 1322.19  677.65 1996.48  667.06 2034.14  667.51 2196.12  669.94
 2237.56     670 2795.07     670  2847.8  669.04  3793.3  650.13 3864.87     650
 4492.07     650 4576.83  642.32 4591.89  640.81 4678.53     640 4791.54     640
 4881.95   635.9 5190.84  620.46 5288.78  619.24  5889.6  614.09 6000.73     614
 7786.25     614 7886.08   614.9 7933.16   614.9 8034.87     615  8385.2     615
  8385.2  610.48 8543.41  610.48 8543.41     610 9183.79     610 9357.07  608.17
 9782.73   603.2 9967.31  600.49 9982.38  600.2610170.72     60010780.97     600
10971.45   571.111071.45   571.111271.45     60011763.52   604.713436.56  609.84
13633.38  609.9113869.58  638.9513928.62  647.1514105.77  654.89 14420.7  664.52
14578.16  661.3814617.52  660.4214912.76  660.0314932.45  661.2715168.64  676.47
15404.83     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510780.97     .1511271.45     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10780.9711271.45               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1323767.00   86951.13   541633.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1323767.00   86951.13   541633.90
  Q Total (cfs)           206224.30    Flow (cfs)              136796.80   11445.76   57981.71
  Top Width (ft)          15404.83    Top Width (ft)          10780.97     490.48    4133.38
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.78    Hydr. Depth (ft)          122.79     177.28     131.04
  Conv. Total (cfs)       486939000.0    Conv. (cfs)            323006100.0   27025850.0   136907000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10828.51     494.74    4202.25
  Min Ch El (ft)            571.10    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2684.40     181.96    1090.16
  C & E Loss (ft)             0.00    Cum SA (acres)             20.19       0.93       7.83


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1245.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.96  680.07  610.26   679.9  998.27  676.02  1017.1  676.11
 1297.75  677.98 1322.23  677.65 1996.53  667.05  2034.2  667.51 2196.18  669.94
 2237.62     670 2795.14     670 2847.88  669.04 3793.41  650.13 3864.98     650
  4492.2     650 4576.95   642.3 4592.02   640.8 4678.66     640 4791.68     640
 4882.08   635.9 5190.98  620.45 5288.92  619.24 5889.77  614.09  6000.9     614
 7786.47     614  7886.3  614.91 7933.39  614.91  8035.1     615 8385.43     615
 8385.43  610.47 8543.65  610.47 8543.65     610 9184.04     610 9357.33  608.16
    9783   603.2 9967.59  600.49 9982.66  600.2610171.01     60010781.27     600
 10971.9  571.09 11071.9  571.09 11271.9     600 11764.1  604.7113437.56  609.84
13634.44  609.91 13870.7    63913929.76  647.1914106.95  654.8914421.95  664.53
14579.46  661.3714618.83  660.4214914.15  660.0314933.84  661.2715170.09   676.5
15406.34     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510781.27     .15 11271.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10781.27 11271.9               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1323814.00   86980.29   541741.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1323814.00   86980.29   541741.50
  Q Total (cfs)           206224.30    Flow (cfs)              136789.80   11448.76   57985.79
  Top Width (ft)          15406.34    Top Width (ft)          10781.27     490.63    4134.44
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.79    Hydr. Depth (ft)          122.79     177.28     131.03
  Conv. Total (cfs)       486984000.0    Conv. (cfs)            323019200.0   27035430.0   136929300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10828.81     494.89    4203.31
  Min Ch El (ft)            571.09    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2669.21     180.96    1083.94
  C & E Loss (ft)             0.00    Cum SA (acres)             20.07       0.93       7.78


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1244.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.98  680.07  610.28   679.9  998.29  676.02 1017.13  676.11
 1297.78  677.99 1322.27  677.65 1996.59  667.05 2034.26  667.51 2196.25  669.94
 2237.68     670 2795.22     670 2847.96  669.04 3793.52  650.13 3865.09     650
 4492.32     650 4577.08  642.29 4592.15  640.78 4678.79     640 4791.81     640
 4882.22  635.89 5191.13  620.44 5289.07  619.24 5889.93  614.09 6001.06     614
 7786.69     614 7886.52  614.91 7933.61  614.91 8035.32     615 8385.67     615
 8385.67  610.46 8543.89  610.46 8543.89     610  9184.3     610 9357.59  608.16
 9783.28   603.2 9967.87  600.48 9982.94  600.2610171.29     60010781.57     600
10972.36  571.0911072.36  571.0911272.36     60011764.68  604.7113438.57  609.85
 13635.5  609.9213871.81  639.0513930.89  647.2414108.13   654.914423.21  664.54
14580.75  661.3714620.14  660.4114915.53  660.0314935.23  661.2715171.54  676.52
15407.86     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510781.57     .1511272.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10781.5711272.36               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1323857.00   87008.04   541847.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1323857.00   87008.04   541847.10
  Q Total (cfs)           206224.30    Flow (cfs)              136783.00   11451.44   57989.89
  Top Width (ft)          15407.86    Top Width (ft)          10781.57     490.79    4135.50
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  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.79    Hydr. Depth (ft)          122.79     177.28     131.02
  Conv. Total (cfs)       487025500.0    Conv. (cfs)             323030800.0   27044080.0   136950700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10829.12     495.05    4204.38
  Min Ch El (ft)            571.09    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2654.01     179.97    1077.72
  C & E Loss (ft)             0.00    Cum SA (acres)             19.95       0.92       7.74


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1244.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.99  680.07  610.29   679.9  998.32  676.02 1017.16  676.11
 1297.82  677.99 1322.31  677.65 1996.64  667.05 2034.32  667.51 2196.31  669.94
 2237.75     670  2795.3     670 2848.04  669.04 3793.62  650.13  3865.2     650
 4492.45     650 4577.21  642.28 4592.28  640.77 4678.93     640 4791.94     640
 4882.36  635.88 5191.27  620.44 5289.22  619.24  5890.1  614.08 6001.23     614
 7786.91     614 7886.74  614.91 7933.83  614.91 8035.55     615  8385.9     615
  8385.9  610.45 8544.13  610.45 8544.13     610 9184.56     610 9357.85  608.16
 9783.55  603.19 9968.15  600.48 9983.22  600.2510171.58     60010781.87     600
10972.81  571.0911072.81  571.0911272.81     60011765.26  604.7213439.58  609.85
13636.56  609.9213872.93   639.113932.02  647.28 14109.3  654.9114424.47  664.55
14582.05  661.3614621.45   660.414916.92  660.0314936.62  661.2715172.99  676.55
15409.37     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510781.87     .1511272.81     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10781.8711272.81               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1323907.00   87034.09   541954.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1323907.00   87034.09   541954.00
  Q Total (cfs)           206224.30    Flow (cfs)              136776.50   11453.84   57993.93
  Top Width (ft)          15409.37    Top Width (ft)          10781.87     490.94    4136.56
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.79    Hydr. Depth (ft)          122.79     177.28     131.02
  Conv. Total (cfs)       487069700.0    Conv. (cfs)             323044900.0   27052190.0   136972600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10829.42     495.19    4205.44
  Min Ch El (ft)            571.09    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2638.82     178.97    1071.50
  C & E Loss (ft)             0.00    Cum SA (acres)             19.82       0.91       7.69


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1243.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.01  680.07  610.31   679.9  998.35  676.02 1017.19  676.11
 1297.85  677.99 1322.34  677.65  1996.7  667.05 2034.37  667.52 2196.37  669.95
 2237.81     670 2795.38     670 2848.12  669.04 3793.73  650.13 3865.31     650
 4492.57     650 4577.34  642.27 4592.41  640.76 4679.06     640 4792.08     640
 4882.49  635.88 5191.42  620.43 5289.37  619.23 5890.26  614.08  6001.4     614
 7787.13     614 7886.96  614.91 7934.05  614.91 8035.77     615 8386.14     615
 8386.14  610.45 8544.37  610.45 8544.37     610 9184.82     610 9358.11  608.16
 9783.83  603.19 9968.43  600.47  9983.5  600.2510171.86     60010782.17     600
10973.26  571.0911073.26  571.0911273.26     60011765.84  604.7213440.58  609.85
13637.61  609.9213874.05  639.1513933.16  647.3314110.48  654.9214425.73  664.55
14583.35  661.3614622.76   660.4 14918.3  660.0214938.01  661.2815174.44  676.58
15410.88     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510782.17     .1511273.26     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10782.1711273.26               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1323949.00   87060.30   542070.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1323949.00   87060.30   542070.40
  Q Total (cfs)           206224.30    Flow (cfs)              136768.50   11456.23   57999.53
  Top Width (ft)          15410.88    Top Width (ft)          10782.17     491.09    4137.62
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.79    Hydr. Depth (ft)          122.79     177.28     131.01
  Conv. Total (cfs)       487115000.0    Conv. (cfs)             323056000.0   27060360.0   136998600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10829.72     495.34    4206.50
  Min Ch El (ft)            571.09    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2623.62     177.97    1065.28
  C & E Loss (ft)             0.00    Cum SA (acres)             19.70       0.91       7.64


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1243.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.03  680.06  610.33   679.9  998.38  676.02 1017.21  676.11
 1297.89  677.99 1322.38  677.65 1996.76  667.05 2034.43  667.52 2196.43  669.95
 2237.87     670 2795.46     670  2848.2  669.04 3793.83  650.12 3865.42     650
  4492.7     650 4577.47  642.25 4592.54  640.75 4679.19     640 4792.21     640
 4882.63  635.87 5191.56  620.42 5289.52  619.23 5890.43  614.08 6001.57     614
 7787.34     614 7887.18  614.91 7934.28  614.91    8036     615 8386.37     615
 8386.37  610.44  8544.6  610.44  8544.6     610 9185.07     610 9358.38  608.15
  9784.1  603.19 9968.71  600.47 9983.78  600.2410172.15     60010782.48     600
10973.72  571.0911073.72  571.0911273.72     60011766.42  604.7313441.59  609.85
13638.67  609.9213875.17   639.213934.29  647.3714111.66  654.9314426.99  664.56
14584.65  661.3514624.07  660.3914919.69  660.02 14939.4  661.2815175.89  676.61
15412.39     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510782.48     .1511273.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10782.4811273.72                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1324006.00   87086.35   542175.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1324006.00   87086.35   542175.60
  Q Total (cfs)           206224.30    Flow (cfs)              136762.70   11458.57   58003.05
  Top Width (ft)          15412.39    Top Width (ft)          10782.48     491.24    4138.67
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.79    Hydr. Depth (ft)          122.79     177.28     131.00
  Conv. Total (cfs)       487161700.0    Conv. (cfs)            323073200.0   27068470.0   137020100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10830.03     495.49    4207.55
  Min Ch El (ft)            571.09    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2608.42     176.97    1059.05
  C & E Loss (ft)             0.00    Cum SA (acres)             19.58       0.90       7.59


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1242.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.04  680.06  610.35   679.9  998.41  676.02 1017.24  676.11
 1297.93  677.99 1322.42  677.65 1996.81  667.05 2034.49  667.52 2196.49  669.95
 2237.94     670 2795.54     670 2848.28  669.03 3793.94  650.12 3865.52     650
 4492.82     650  4577.6  642.24 4592.67  640.73 4679.32     640 4792.35     640
 4882.77  635.86 5191.71  620.41 5289.67  619.23 5890.59  614.08 6001.74     614
 7787.56     614  7887.4  614.91  7934.5  614.91 8036.22     615 8386.61     615
 8386.61  610.43 8544.84  610.43 8544.84     610 9185.33     610 9358.64  608.15
 9784.37  603.18 9968.98  600.47 9984.05  600.2410172.43     60010782.78     600
10974.17  571.0911074.17  571.0911274.17     60011766.99  604.73 13442.6  609.86
13639.73  609.9213876.28  639.2413935.42  647.4214112.84  654.9414428.25  664.57
14585.95  661.3414625.38  660.3814921.07  660.0214940.79  661.2815177.34  676.63
 15413.9     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510782.78     .1511274.17     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10782.7811274.17                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1324059.00   87112.57   542286.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1324059.00   87112.57   542286.40
  Q Total (cfs)           206224.30    Flow (cfs)              136755.90   11460.92   58007.44
  Top Width (ft)          15413.90    Top Width (ft)          10782.78     491.39    4139.73
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.79    Hydr. Depth (ft)          122.79     177.28     131.00
  Conv. Total (cfs)       487208700.0    Conv. (cfs)            323088400.0   27076640.0   137043600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10830.33     495.64    4208.62
  Min Ch El (ft)            571.09    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2593.23     175.97    1052.83
  C & E Loss (ft)             0.00    Cum SA (acres)             19.45       0.90       7.55


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1242.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.06  680.06  610.36   679.9  998.43  676.02 1017.27  676.12
 1297.96  677.99 1322.45  677.65 1996.87  667.05 2034.54  667.52 2196.55  669.95
```

```
    2238     670 2795.61     670 2848.36  669.03 3794.05  650.12 3865.63     650
 4492.95     650 4577.72  642.23 4592.79  640.72 4679.45     640 4792.48     640
  4882.9  635.85 5191.85  620.41 5289.81  619.23 5890.76  614.08  6001.9     614
 7787.78     614 7887.62  614.92 7934.72  614.92 8036.45     615 8386.84     615
 8386.84  610.42 8545.08  610.42 8545.08     610 9185.59     610  9358.9  608.15
 9784.65  603.18 9969.26  600.46 9984.33  600.2310172.72     60010783.08     600
10974.62  571.0811074.62  571.0811274.62     60011767.57  604.7413443.61  609.86
13640.79  609.92 13877.4  639.2913936.56  647.4614114.02  654.9414429.51  664.58
14587.25  661.3414626.69  660.3814922.46  660.0214942.17  661.2815178.79  676.66
15415.41     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510783.08     .1511274.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10783.0811274.62               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1324099.00   87141.75   542392.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1324099.00   87141.75   542392.90
  Q Total (cfs)           206224.30    Flow (cfs)              136748.60   11464.00   58011.68
  Top Width (ft)          15415.41    Top Width (ft)          10783.08     491.54    4140.79
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.80    Hydr. Depth (ft)          122.79     177.28     130.99
  Conv. Total (cfs)       487250600.0    Conv. (cfs)            323098900.0   27086230.0   137065500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10830.63     495.79    4209.68
  Min Ch El (ft)            571.08    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2578.03     174.97    1046.60
  C & E Loss (ft)             0.00    Cum SA (acres)             19.33       0.89       7.50


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1241.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.08  680.06  610.38   679.9  998.46  676.02  1017.3  676.12
    1298  677.99 1322.49  677.65 1996.92  667.05  2034.6  667.52 2196.62  669.95
 2238.06     670 2795.69     670 2848.44  669.03 3794.15  650.12 3865.74     650
 4493.08     650 4577.85  642.21 4592.92  640.71 4679.58     640 4792.61     640
 4883.04  635.85    5192   620.4 5289.96  619.23 5890.92  614.08 6002.07     614
    7788     614 7887.85  614.92 7934.94  614.92 8036.67     615 8387.08     615
 8387.08  610.42 8545.32  610.42 8545.32     610 9185.85     610 9359.16  608.14
 9784.92  603.18 9969.54  600.46 9984.61  600.23   10173     60010783.38     600
10975.08  571.0811075.08  571.0811275.08     60011768.15  604.7413444.61  609.86
13641.84  609.9213878.52  639.3413937.69  647.51 14115.2  654.9514430.77  664.58
14588.55  661.33   14628  660.3714923.84  660.0214943.57  661.2815180.24  676.69
15416.92     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510783.38     .1511275.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10783.3811275.08               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1324142.00   87169.67   542510.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1324142.00   87169.67   542510.10
  Q Total (cfs)           206224.30    Flow (cfs)              136740.40   11466.58   58017.32
  Top Width (ft)          15416.92    Top Width (ft)          10783.38     491.70    4141.84
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.80    Hydr. Depth (ft)          122.79     177.28     130.98
  Conv. Total (cfs)       487297300.0    Conv. (cfs)            323110400.0   27094930.0   137091900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10830.93     495.95    4210.73
  Min Ch El (ft)            571.08    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2562.83     173.97    1040.38
  C & E Loss (ft)             0.00    Cum SA (acres)             19.20       0.89       7.45


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1241.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.09  680.06   610.4   679.9  998.49  676.02 1017.33  676.12
 1298.04  677.99 1322.53  677.65 1996.98  667.05 2034.66  667.52 2196.68  669.95
 2238.12     670 2795.77     670 2848.52  669.03 3794.26  650.11 3865.85     650
  4493.2     650 4577.98   642.2 4593.05  640.69 4679.71     640 4792.75     640
 4883.18  635.84 5192.15  620.39 5290.11  619.23 5891.09  614.08 6002.24     614
 7788.22     614 7888.07  614.92 7935.17  614.92  8036.9     615 8387.31     615
 8387.31  610.41 8545.56  610.41 8545.56     610  9186.1     610 9359.43  608.14
  9785.2  603.17 9969.82  600.45 9984.89  600.2310173.29     60010783.69     600
10975.53  571.0811075.53  571.0811275.53     60011768.73  604.7513445.62  609.86
 13642.9  609.9313879.64  639.3913938.82  647.5514116.38  654.9614432.02  664.59
14589.85  661.33 14629.3  660.3614925.23  660.0214944.96  661.2915181.69  676.72
15418.43     695

Manning's n Values        num=       3
```

```
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510783.69     .1511275.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10783.6911275.53               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1324197.00   87194.02   542612.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1324197.00   87194.02   542612.40
  Q Total (cfs)           206224.30    Flow (cfs)              136734.90   11468.76   58020.63
  Top Width (ft)          15418.43    Top Width (ft)          10783.69     491.84    4142.90
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.80    Hydr. Depth (ft)          122.80     177.28     130.97
  Conv. Total (cfs)       487340900.0    Conv. (cfs)            323126400.0   27102510.0   137112000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10831.25     496.09    4211.79
  Min Ch El (ft)            571.08    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2547.63     172.97    1034.15
  C & E Loss (ft)             0.00    Cum SA (acres)             19.08       0.88       7.40


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1240.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.11  680.06  610.41   679.9  998.52  676.01 1017.36  676.12
 1298.07  677.99 1322.56  677.65 1997.03  667.05 2034.71  667.52 2196.74  669.95
 2238.19     670 2795.85     670  2848.6  669.03 3794.37  650.11 3865.96     650
 4493.33     650 4578.11  642.19 4593.18  640.68 4679.84     640 4792.88     640
 4883.31  635.83 5192.29  620.39 5290.26  619.23 5891.25  614.07 6002.41     614
 7788.44     614 7888.29  614.92 7935.39  614.92 8037.12     615 8387.55     615
 8387.55   610.4  8545.8   610.4  8545.8     610 9186.36     610 9359.69  608.14
 9785.47  603.17  9970.1  600.45 9985.17  600.2210173.57     60010783.99     600
10975.98  571.0811075.98  571.0811275.98     60011769.31  604.7513446.63  609.87
13643.96  609.9313880.75  639.4413939.96   647.614117.55  654.9714433.28   664.6
14591.15  661.3214630.61  660.3614926.61  660.0214946.34  661.2915183.14  676.74
15419.94     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510783.99     .1511275.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10783.9911275.98               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1324245.00   87220.23   542719.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1324245.00   87220.23   542719.90
  Q Total (cfs)           206224.30    Flow (cfs)              136728.30   11471.18   58024.77
  Top Width (ft)          15419.94    Top Width (ft)          10783.99     491.99    4143.96
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.80    Hydr. Depth (ft)          122.80     177.28     130.97
  Conv. Total (cfs)       487384900.0    Conv. (cfs)            323140000.0   27110670.0   137134200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10831.55     496.24    4212.86
  Min Ch El (ft)            571.08    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2532.43     171.97    1027.92
  C & E Loss (ft)             0.00    Cum SA (acres)             18.96       0.88       7.36


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1240.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.13  680.06  610.43   679.9  998.55  676.01 1017.39  676.12
 1298.11  677.99  1322.6  677.64 1997.09  667.05 2034.77  667.52  2196.8  669.95
 2238.25     670 2795.93     670 2848.68  669.03 3794.47  650.11 3866.07     650
 4493.45     650 4578.24  642.18 4593.31  640.67 4679.98     640 4793.02     640
 4883.45  635.83 5192.44  620.38 5290.41  619.23 5891.42  614.07 6002.58     614
 7788.65     614 7888.51  614.92 7935.61  614.92 8037.35     615 8387.78     615
 8387.78  610.39 8546.04  610.39 8546.04     610 9186.62     610 9359.95  608.13
 9785.75  603.17 9970.38  600.44 9985.45  600.2210173.86     60010784.29     600
10976.43  571.0811076.43  571.0811276.43     60011769.89  604.7613447.63  609.87
13645.01  609.9313881.87  639.4913941.09  647.6414118.73  654.9814434.54  664.61
14592.45  661.3114631.92  660.35   14928  660.0214947.73  661.2915184.59  676.77
15421.45     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510784.29     .1511276.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10784.2911276.43               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1324293.00   87246.28   542826.60
```

```
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1324293.00   87246.28   542826.60
  Q Total (cfs)           206224.30    Flow (cfs)              136721.90   11473.58   58028.83
  Top Width (ft)          15421.45    Top Width (ft)          10784.29     492.14    4145.02
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.80    Hydr. Depth (ft)          122.80     177.28     130.96
  Conv. Total (cfs)       487428500.0    Conv. (cfs)             323153700.0   27118790.0   137156000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10831.85     496.38    4213.92
  Min Ch El (ft)            571.08    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2517.23     170.96    1021.69
  C & E Loss (ft)             0.00    Cum SA (acres)             18.83       0.87       7.31


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1239.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.14  680.06  610.45   679.9  998.57  676.01 1017.41  676.12
 1298.15  677.99 1322.64  677.64 1997.15  667.04 2034.83  667.52 2196.86  669.95
 2238.31     670 2796.01     670 2848.76  669.02 3794.58  650.11 3866.17     650
 4493.58     650 4578.36  642.16 4593.44  640.66 4680.11     640 4793.15     640
 4883.59  635.82 5192.58  620.37 5290.55  619.22 5891.58  614.07 6002.74     614
 7788.87     614 7888.73  614.92 7935.83  614.92 8037.57     615 8388.02     615
 8388.02  610.39 8546.28  610.39 8546.28     610 9186.88     610 9360.21  608.13
 9786.02  603.16 9970.66  600.44 9985.73  600.2110174.14     60010784.59     600
10976.89  571.0811076.89  571.0811276.89     60011770.47  604.7613448.64  609.87
13646.07  609.9313882.99  639.5313942.22  647.6914119.91  654.98 14435.8  664.61
14593.75  661.3114633.23  660.3414929.38  660.0214949.12  661.2915186.04   676.8
15422.96     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510784.59     .1511276.89     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10784.5911276.89               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1324352.00   87274.20   542946.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1324352.00   87274.20   542946.80
  Q Total (cfs)           206224.30    Flow (cfs)              136714.20   11475.98   58034.09
  Top Width (ft)          15422.96    Top Width (ft)          10784.59     492.30    4146.07
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.80    Hydr. Depth (ft)          122.80     177.28     130.95
  Conv. Total (cfs)       487483000.0    Conv. (cfs)             323171700.0   27127480.0   137183800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10832.15     496.54    4214.97
  Min Ch El (ft)            571.08    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2502.03     169.96    1015.46
  C & E Loss (ft)             0.00    Cum SA (acres)             18.71       0.86       7.26


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1239.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.16  680.06  610.47   679.9   998.6  676.01 1017.44  676.12
 1298.18  677.99 1322.68  677.64  1997.2  667.04 2034.89  667.52 2196.92  669.95
 2238.37     670 2796.08     670 2848.84  669.02 3794.69  650.11 3866.28     650
 4493.71     650 4578.49  642.15 4593.57  640.64 4680.24     640 4793.29     640
 4883.73  635.81 5192.73  620.36  5290.7  619.22 5891.75  614.07 6002.91     614
 7789.09     614 7888.95  614.92 7936.05  614.92  8037.8     615 8388.25     615
 8388.25  610.38 8546.52  610.38 8546.52     610 9187.13     610 9360.47  608.13
 9786.29  603.16 9970.94  600.44 9986.01  600.2110174.43     60010784.89     600
10977.34  571.0811077.34  571.0811277.34     60011771.05  604.7713449.65  609.87
13647.13  609.9313884.11  639.5813943.35  647.7314121.09  654.9914437.06  664.62
14595.04   661.314634.54  660.3414930.77  660.0214950.51  661.2915187.49  676.83
15424.47     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510784.89     .1511277.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10784.8911277.34               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1324396.00   87300.42   543051.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1324396.00   87300.42   543051.80
  Q Total (cfs)           206224.30    Flow (cfs)              136707.70   11478.47   58038.17
  Top Width (ft)          15424.47    Top Width (ft)          10784.89     492.45    4147.13
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.80    Hydr. Depth (ft)          122.80     177.28     130.95
  Conv. Total (cfs)       487523900.0    Conv. (cfs)             323183300.0   27135650.0   137205000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10832.45     496.69    4216.04
  Min Ch El (ft)            571.08    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2486.83     168.96    1009.23
  C & E Loss (ft)             0.00    Cum SA (acres)             18.59       0.86       7.21
```

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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1238.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.18  680.05  610.48   679.9  998.63  676.01 1017.47  676.12
 1298.22  677.99 1322.71  677.64 1997.26  667.04 2034.94  667.52 2196.98  669.95
 2238.44     670 2796.16     670 2848.92  669.02 3794.79   650.1 3866.39     650
 4493.83     650 4578.62  642.14 4593.69  640.63 4680.37     640 4793.42     640
 4883.86  635.81 5192.87  620.36 5290.85  619.22 5891.91  614.07 6003.08     614
 7789.31     614 7889.17  614.93 7936.28  614.93 8038.02     615 8388.49     615
 8388.49  610.37 8546.76  610.37 8546.76     610 9187.39     610 9360.74  608.12
 9786.57  603.16 9971.22  600.43 9986.29  600.2110174.71     600 10785.2     600
10977.79  571.0711077.79  571.0711277.79     60011771.63  604.7713450.65  609.88
13648.19  609.9313885.23  639.6313944.49  647.7814122.27     65514438.32  664.63
14596.34   661.314635.85  660.3314932.15  660.02 14951.9   661.315188.94  676.85
15425.98     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10785.2     .1511277.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10785.211277.79               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1324448.00   87327.73   543158.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1324448.00   87327.73   543158.90
  Q Total (cfs)           206224.30    Flow (cfs)              136701.10   11481.20   58042.02
  Top Width (ft)          15425.98    Top Width (ft)          10785.20     492.59    4148.19
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.81    Hydr. Depth (ft)          122.80     177.28     130.94
  Conv. Total (cfs)       487569900.0    Conv. (cfs)            323198200.0   27144660.0   137227000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10832.76     496.83    4217.10
  Min Ch El (ft)            571.07    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2471.62     167.96    1002.99
  C & E Loss (ft)             0.00    Cum SA (acres)             18.46       0.85       7.17


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1238.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.19  680.05   610.5   679.9  998.66  676.01  1017.5  676.12
 1298.25  677.99 1322.75  677.64 1997.31  667.04    2035  667.53 2197.05  669.96
  2238.5     670 2796.24     670    2849  669.02  3794.9   650.1  3866.5     650
 4493.96     650 4578.75  642.13 4593.82  640.62  4680.5     640 4793.55     640
    4884   635.8 5193.02  620.35    5291  619.22 5892.08  614.07 6003.25     614
 7789.53     614 7889.39  614.93  7936.5  614.93 8038.25     615 8388.72     615
 8388.72  610.36    8547  610.36    8547     610 9187.65     610    9361  608.12
 9786.84  603.15  9971.5  600.43 9986.57   600.2   10175     600 10785.5     600
10978.25  571.0711078.25  571.0711278.25     60011772.21  604.7713451.66  609.88
13649.25  609.9313886.34  639.6813945.62  647.8214123.44  655.0114439.58  664.64
14597.64  661.2914637.16  660.3214933.54  660.0214953.29   661.315190.39  676.88
15427.49     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10785.5     .1511278.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10785.511278.25               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1324493.00   87355.66   543274.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1324493.00   87355.66   543274.70
  Q Total (cfs)           206224.30    Flow (cfs)              136693.20   11483.77   58047.36
  Top Width (ft)          15427.49    Top Width (ft)          10785.50     492.75    4149.24
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.81    Hydr. Depth (ft)          122.80     177.28     130.93
  Conv. Total (cfs)       487617100.0    Conv. (cfs)            323210800.0   27153360.0   137252900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10833.06     496.99    4218.15
  Min Ch El (ft)            571.07    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2456.42     166.96     996.76
  C & E Loss (ft)             0.00    Cum SA (acres)             18.34       0.85       7.12


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1237.5*

INPUT
Description:
Station Elevation Data    num=      56
```

```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.21  680.05  610.52  679.89  998.69  676.01 1017.53  676.12
 1298.29  677.99 1322.79  677.64 1997.37  667.04 2035.06  667.53 2197.11  669.96
 2238.56     670 2796.32     670 2849.08  669.02    3795   650.1 3866.61     650
 4494.08     650 4578.88  642.11 4593.95   640.6 4680.63     640 4793.69     640
 4884.14  635.79 5193.16  620.34 5291.15  619.22 5892.24  614.07 6003.42     614
 7789.75     614 7889.61  614.93 7936.72  614.93 8038.47     615 8388.96     615
 8388.96  610.35 8547.24  610.35 8547.24     610  9187.9     610 9361.26  608.12
 9787.12  603.15 9971.78  600.42 9986.85   600.210175.28     600 10785.8     600
 10978.7  571.07 11078.7  571.07 11278.7     60011772.78  604.7813452.67  609.88
 13650.3  609.9413887.46  639.7313946.75  647.8714124.62  655.0214440.84  664.65
14598.94  661.2814638.47  660.3214934.92  660.0214954.68   661.315191.84  676.91
   15429     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10785.8     .15 11278.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10785.8 11278.7               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1324540.00   87381.88   543375.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1324540.00   87381.88   543375.90
  Q Total (cfs)           206224.30    Flow (cfs)              136687.30   11486.26   58050.78
  Top Width (ft)          15429.00    Top Width (ft)          10785.80     492.90    4150.30
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.81    Hydr. Depth (ft)          122.80     177.28     130.92
  Conv. Total (cfs)       487658000.0    Conv. (cfs)            323224000.0   27161530.0   137272500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10833.37     497.14    4219.21
  Min Ch El (ft)            571.07    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2441.22     165.95     990.52
  C & E Loss (ft)             0.00    Cum SA (acres)             18.21       0.84       7.07


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1237.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.23  680.05  610.53  679.89  998.71  676.01 1017.56  676.12
 1298.33  677.99 1322.82  677.64 1997.43  667.04 2035.11  667.53 2197.17  669.96
 2238.63     670  2796.4     670 2849.16  669.02 3795.11   650.1 3866.72     650
 4494.21     650 4579.01   642.1 4594.08  640.59 4680.76     640 4793.82     640
 4884.27  635.79 5193.31  620.33  5291.3  619.22 5892.41  614.07 6003.59     614
 7789.96     614 7889.83  614.93 7936.94  614.93  8038.7     615 8389.19     615
 8389.19  610.35 8547.48  610.35 8547.48     610 9188.16     610 9361.52  608.12
 9787.39  603.15 9972.06  600.42 9987.13  600.1910175.57     600 10786.1     600
10979.15  571.0711079.15  571.0711279.15     60011773.36  604.7813453.68  609.88
13651.36  609.9413888.58  639.7813947.88  647.92 14125.8  655.0214442.09  664.65
14600.24  661.2814639.78  660.31 14936.3  660.0214956.07   661.315193.29  676.94
15430.51     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10786.1     .1511279.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10786.111279.15               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1324581.00   87408.10   543496.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1324581.00   87408.10   543496.10
  Q Total (cfs)           206224.30    Flow (cfs)              136678.80   11488.62   58056.91
  Top Width (ft)          15430.51    Top Width (ft)          10786.10     493.05    4151.36
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.81    Hydr. Depth (ft)          122.80     177.28     130.92
  Conv. Total (cfs)       487704300.0    Conv. (cfs)            323234600.0   27169690.0   137300000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10833.67     497.29    4220.28
  Min Ch El (ft)            571.07    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2426.01     164.95     984.28
  C & E Loss (ft)             0.00    Cum SA (acres)             18.09       0.84       7.02


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1236.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.24  680.05  610.55  679.89  998.74  676.01 1017.59  676.12
 1298.36  677.99 1322.86  677.64 1997.48  667.04 2035.17  667.53 2197.23  669.96
 2238.69     670 2796.48     670 2849.24  669.02 3795.22   650.1 3866.82     650
 4494.34     650 4579.13  642.09 4594.21  640.58 4680.89     640 4793.96     640
 4884.41  635.78 5193.45  620.33 5291.44  619.22 5892.57  614.06 6003.75     614
 7790.18     614 7890.06  614.93 7937.17  614.93 8038.92     615 8389.43     615
 8389.43  610.34 8547.72  610.34 8547.72     610 9188.42     610 9361.79  608.11
 9787.66  603.14 9972.34  600.41 9987.41  600.1910175.85     60010786.41     600
10979.61  571.0711079.61  571.0711279.61     60011773.94  604.7913454.68  609.89
13652.42  609.94 13889.7  639.8213949.02  647.9614126.98  655.0314443.35  664.66
14601.54  661.2714641.09   660.314937.69  660.0214957.46   661.315194.74  676.96
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15432.02     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510786.41     .1511279.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10786.4111279.61               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1324635.00   87434.15   543595.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1324635.00   87434.15   543595.70
  Q Total (cfs)           206224.30    Flow (cfs)              136673.40   11491.04   58059.89
  Top Width (ft)          15432.02    Top Width (ft)           10786.41     493.20    4152.41
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.81    Hydr. Depth (ft)           122.81     177.28     130.91
  Conv. Total (cfs)       487747200.0    Conv. (cfs)            323250200.0   27177810.0   137319200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         10833.98     497.44    4221.33
  Min Ch El (ft)            571.07    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2410.81     163.95     978.04
  C & E Loss (ft)             0.00    Cum SA (acres)             17.97       0.83       6.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1236.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.26  680.05  610.57  679.89  998.77  676.01 1017.61  676.12
  1298.4  677.99  1322.9  677.64 1997.54  667.04 2035.23  667.53 2197.29  669.96
 2238.75     670 2796.55     670 2849.32  669.01 3795.32  650.09 3866.93     650
 4494.46     650 4579.26  642.07 4594.34  640.57 4681.02     640 4794.09     640
 4884.55  635.77  5193.6  620.32 5291.59  619.21 5892.74  614.06 6003.92     614
  7790.4     614 7890.28  614.93 7937.39  614.93 8039.15     615 8389.66     615
 8389.66  610.33 8547.96  610.33 8547.96     610 9188.68     610 9362.05  608.11
 9787.94  603.14 9972.62  600.41 9987.69  600.1810176.14     60010786.71     600
10980.06  571.0711080.06  571.0711280.06     60011774.52  604.7913455.69  609.89
13653.47  609.9413890.82  639.8713950.15  648.0114128.16  655.0414444.61  664.67
14602.84  661.27 14642.4   660.314939.07  660.0214958.85  661.3115196.19  676.99
15433.54     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510786.71     .1511280.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10786.7111280.06               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1324693.00   87460.20   543708.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1324693.00   87460.20   543708.90
  Q Total (cfs)           206224.30    Flow (cfs)              136666.80   11493.29   58064.21
  Top Width (ft)          15433.54    Top Width (ft)           10786.71     493.35    4153.48
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.81    Hydr. Depth (ft)           122.81     177.28     130.90
  Conv. Total (cfs)       487797300.0    Conv. (cfs)            323267900.0   27185920.0   137343500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         10834.28     497.58    4222.40
  Min Ch El (ft)            571.07    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2395.60     162.94     971.80
  C & E Loss (ft)             0.00    Cum SA (acres)             17.84       0.82       6.93


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1235.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.28  680.05  610.59  679.89   998.8  676.01 1017.64  676.12
 1298.44  677.99 1322.94  677.64 1997.59  667.04 2035.28  667.53 2197.35  669.96
 2238.81     670 2796.63     670  2849.4  669.01 3795.43  650.09 3867.04     650
 4494.59     650 4579.39  642.06 4594.47  640.55 4681.15     640 4794.23     640
 4884.68  635.77 5193.75  620.31 5291.74  619.21  5892.9  614.06 6004.09     614
 7790.62     614  7890.5  614.94 7937.61  614.94 8039.37     615  8389.9     615
  8389.9  610.32  8548.2  610.32  8548.2     610 9188.93     610 9362.31  608.11
 9788.21  603.14 9972.89  600.41 9987.97  600.1810176.42     60010787.01     600
10980.51  571.0611080.51  571.0611280.51     600 11775.1   604.8 13456.7  609.89
13654.53  609.9413891.93  639.9213951.28  648.0514129.33  655.0514445.87  664.68
14604.14  661.2614643.71  660.2914940.46  660.0214960.24  661.3115197.64  677.02
15435.04     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510787.01     .1511280.51     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10787.0111280.51               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
```

```
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1324734.00   87489.39   543814.40
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1324734.00   87489.39   543814.40
  Q Total (cfs)          206224.30    Flow (cfs)              136659.50   11496.37   58068.38
  Top Width (ft)         15435.04    Top Width (ft)          10787.01     493.50    4154.53
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.82    Hydr. Depth (ft)          122.81     177.28     130.90
  Conv. Total (cfs)      487839000.0    Conv. (cfs)            323278400.0   27195520.0   137365100.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10834.58     497.74    4223.46
  Min Ch El (ft)           571.06    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     2380.40     161.94     965.56
  C & E Loss (ft)            0.00    Cum SA (acres)             17.72       0.82       6.88


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1235.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   599.3  680.05   610.6  679.89  998.83  676.01 1017.67  676.12
 1298.47  677.99 1322.97  677.64 1997.65  667.04 2035.34  667.53 2197.42  669.96
 2238.88     670 2796.71     670 2849.48  669.01 3795.54  650.09 3867.15     650
 4494.71     650 4579.52  642.05  4594.6  640.54 4681.29     640 4794.36     640
 4884.82  635.76 5193.89  620.31 5291.89  619.21 5893.07  614.06 6004.26     614
 7790.84     614 7890.72  614.94 7937.83  614.94  8039.6     615 8390.13     615
 8390.13  610.32 8548.43  610.32 8548.43     610 9189.19     610 9362.57   608.1
 9788.49  603.13 9973.17   600.4 9988.25  600.1810176.71     60010787.31     600
10980.97  571.0611080.97  571.0611280.97     60011775.68   604.8 13457.7  609.89
13655.59  609.9413893.05  639.9713952.42   648.114130.51  655.0614447.13  664.68
14605.44  661.2514645.01  660.2814941.84  660.0214961.63  661.3115199.09  677.05
15436.56     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510787.31     .1511280.97     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10787.3111280.97               .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1324780.00   87517.32   543932.20
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1324780.00   87517.32   543932.20
  Q Total (cfs)          206224.30    Flow (cfs)              136651.50   11498.91   58073.86
  Top Width (ft)         15436.56    Top Width (ft)          10787.31     493.66    4155.59
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.82    Hydr. Depth (ft)          122.81     177.28     130.89
  Conv. Total (cfs)      487887300.0    Conv. (cfs)            323291400.0   27204220.0   137391600.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10834.88     497.89    4224.52
  Min Ch El (ft)           571.06    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     2365.19     160.93     959.32
  C & E Loss (ft)            0.00    Cum SA (acres)             17.60       0.81       6.83


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1234.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.31  680.05  610.62  679.89  998.85  676.01  1017.7  676.12
 1298.51  677.99 1323.01  677.64 1997.71  667.04  2035.4  667.53 2197.48  669.96
 2238.94     670 2796.79     670 2849.56  669.01 3795.64  650.09 3867.26     650
 4494.84     650 4579.65  642.04 4594.72  640.53 4681.42     640 4794.49     640
 4884.96  635.75 5194.04   620.3 5292.04  619.21 5893.23  614.06 6004.43     614
 7791.05     614 7890.94  614.94 7938.06  614.94 8039.83     615 8390.37     615
 8390.37  610.31 8548.67  610.31 8548.67     610 9189.45     610 9362.83   608.1
 9788.76  603.13 9973.45   600.4 9988.53  600.1710176.99     60010787.61     600
10981.42  571.0611081.42  571.0611281.42     60011776.26  604.8113458.71   609.9
13656.65  609.9413894.17  640.0213953.55  648.1414131.69  655.0714448.39  664.69
14606.74  661.2514646.32  660.2814943.23  660.0214963.02  661.3115200.54  677.07
15438.07     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510787.61     .1511281.42     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10787.6111281.42               .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1324825.00   87543.37   544029.10
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1324825.00   87543.37   544029.10
  Q Total (cfs)          206224.30    Flow (cfs)              136646.00   11501.44   58076.82
  Top Width (ft)         15438.07    Top Width (ft)          10787.61     493.81    4156.65
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.82    Hydr. Depth (ft)          122.81     177.28     130.88
  Conv. Total (cfs)      487925300.0    Conv. (cfs)            323303600.0   27212330.0   137409400.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10835.18     498.04    4225.58
  Min Ch El (ft)           571.06    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
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  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     2349.99     159.93     953.08
  C & E Loss (ft)            0.00    Cum SA (acres)             17.47       0.81       6.79

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1234.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.33  680.04  610.64  679.89  998.88  676.01 1017.73  676.12
 1298.55  677.99 1323.05  677.64 1997.76  667.04 2035.46  667.53 2197.54  669.96
    2239     670 2796.87     670 2849.64  669.01 3795.75  650.09 3867.37     650
 4494.96     650 4579.78  642.02 4594.85  640.51 4681.55     640 4794.63     640
 4885.09  635.75 5194.18  620.29 5292.19  619.21  5893.4  614.06 6004.59     614
 7791.27     614 7891.16  614.94 7938.28  614.94 8040.05     615  8390.6     615
  8390.6   610.3 8548.91   610.3 8548.91     610 9189.71     610  9363.1   608.1
 9789.03  603.13 9973.73  600.39 9988.81  600.1710177.28     60010787.92     600
10981.87  571.0611081.87  571.0611281.87     60011776.84  604.8113459.72   609.9
 13657.7  609.9513895.29  640.0713954.68  648.1914132.87  655.0714449.65   664.7
14608.04  661.2414647.63  660.2714944.61  660.0214964.41  661.3215201.99   677.1
15439.58     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510787.92     .1511281.87     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10787.9211281.87               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1324873.00   87567.88   544144.30
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1324873.00   87567.88   544144.30
  Q Total (cfs)          206224.30    Flow (cfs)              136638.70   11503.58   58082.07
  Top Width (ft)         15439.58    Top Width (ft)          10787.92     493.95    4157.71
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.82    Hydr. Depth (ft)          122.81     177.28     130.88
  Conv. Total (cfs)      487971600.0    Conv. (cfs)             323316800.0   27219970.0   137434800.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10835.50     498.18    4226.65
  Min Ch El (ft)           571.06    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     2334.78     158.92     946.83
  C & E Loss (ft)            0.00    Cum SA (acres)             17.35       0.80       6.74

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1233.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.35  680.04  610.65  679.89  998.91  676.01 1017.76  676.12
 1298.58  677.99 1323.08  677.64 1997.82  667.03 2035.51  667.53  2197.6  669.96
 2239.06     670 2796.95     670 2849.72  669.01 3795.85  650.08 3867.47     650
 4495.09     650  4579.9  642.01 4594.98   640.5 4681.68     640 4794.76     640
 4885.23  635.74 5194.33  620.28 5292.33  619.21 5893.56  614.06 6004.76     614
 7791.49     614 7891.38  614.94  7938.5  614.94 8040.28     615 8390.84     615
 8390.84  610.29 8549.15  610.29 8549.15     610 9189.96     610 9363.36  608.09
 9789.31  603.12 9974.01  600.39 9989.09  600.1610177.56     60010788.22     600
10982.33  571.0611082.33  571.0611282.33     60011777.42  604.8213460.72   609.9
13658.76  609.9513896.41  640.1113955.82  648.2314134.05  655.0814450.91  664.71
14609.33  661.2414648.94  660.26   14946  660.02 14965.8  661.3215203.44  677.13
15441.09     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510788.22     .1511282.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10788.2211282.33               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1324932.00   87595.81   544249.80
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1324932.00   87595.81   544249.80
  Q Total (cfs)          206224.30    Flow (cfs)              136632.80   11506.11   58085.43
  Top Width (ft)         15441.09    Top Width (ft)          10788.22     494.11    4158.76
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.82    Hydr. Depth (ft)          122.81     177.28     130.87
  Conv. Total (cfs)      488019900.0    Conv. (cfs)             323334900.0   27228660.0   137456400.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10835.80     498.34    4227.70
  Min Ch El (ft)           571.06    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     2319.57     157.92     940.58
  C & E Loss (ft)            0.00    Cum SA (acres)             17.22       0.80       6.69

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1233.*
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INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.36  680.04  610.67  679.89  998.94  676.01 1017.78  676.12
 1298.62  677.99 1323.12  677.64 1997.87  667.03 2035.57  667.53 2197.66  669.96
 2239.13     670 2797.02     670  2849.8     669 3795.96  650.08 3867.58     650
 4495.22     650 4580.03     642 4595.11  640.49 4681.81     640  4794.9     640
 4885.37  635.73 5194.47  620.28 5292.48  619.21 5893.73  614.05 6004.93     614
 7791.71     614  7891.6  614.94 7938.72  614.94  8040.5     615 8391.07     615
 8391.07  610.29 8549.39  610.29 8549.39     610 9190.22     610 9363.62  608.09
 9789.58  603.12 9974.29  600.39 9989.37  600.1610177.85     60010788.52     600
10982.78  571.0611082.78  571.0611282.78     600   11778  604.8213461.73   609.9
13659.82  609.9513897.52  640.1613956.95  648.2814135.23  655.0914452.17  664.71
14610.63  661.2314650.25  660.2614947.38  660.0214967.19  661.3215204.89  677.16
 15442.6     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510788.52     .1511282.78     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10788.5211282.78               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1324980.00   87622.03   544366.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1324980.00   87622.03   544366.40
  Q Total (cfs)           206224.30    Flow (cfs)              136625.10   11508.43   58090.75
  Top Width (ft)          15442.60    Top Width (ft)          10788.52     494.26    4159.82
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.82    Hydr. Depth (ft)          122.81     177.28     130.86
  Conv. Total (cfs)       488067900.0    Conv. (cfs)            323348600.0   27236830.0   137482500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10836.10     498.49    4228.76
  Min Ch El (ft)            571.06    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2304.36     156.91     934.34
  C & E Loss (ft)             0.00    Cum SA (acres)             17.10       0.79       6.64


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1232.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.38  680.04  610.69  679.89  998.96  676.01 1017.81  676.12
 1298.65  677.99 1323.16  677.64 1997.93  667.03 2035.63  667.53 2197.72  669.97
 2239.19     670  2797.1     670 2849.88     669 3796.07  650.08 3867.69     650
 4495.34     650 4580.16  641.98 4595.24  640.48 4681.94     640 4795.03     640
  4885.5  635.72 5194.62  620.27 5292.63  619.21 5893.89  614.05  6005.1     614
 7791.93     614 7891.82  614.94 7938.94  614.94 8040.73     615 8391.31     615
 8391.31  610.28 8549.63  610.28 8549.63     610 9190.48     610 9363.88  608.09
 9789.86  603.12 9974.57  600.38 9989.65  600.1610178.13     60010788.82     600
10983.23  571.0611083.23  571.0611283.23     60011778.58  604.8313462.74  609.91
13660.88  609.9513898.64  640.2113958.08  648.3214136.41   655.114453.42  664.72
14611.93  661.2214651.56  660.2514948.77  660.0214968.58  661.3215206.34  677.18
15444.11     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510788.82     .1511283.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10788.8211283.23               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1325024.00   87648.08   544466.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1325024.00   87648.08   544466.00
  Q Total (cfs)           206224.30    Flow (cfs)              136619.30   11510.94   58094.10
  Top Width (ft)          15444.11    Top Width (ft)          10788.82     494.41    4160.88
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.82    Hydr. Depth (ft)          122.81     177.28     130.85
  Conv. Total (cfs)       488106700.0    Conv. (cfs)            323360400.0   27244940.0   137501300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10836.40     498.64    4229.83
  Min Ch El (ft)            571.06    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2289.15     155.91     928.09
  C & E Loss (ft)             0.00    Cum SA (acres)             16.98       0.78       6.59


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1232.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   599.4  680.04  610.71  679.89  998.99  676.01 1017.84  676.12
 1298.69  677.99 1323.19  677.64 1997.99  667.03 2035.68  667.54 2197.78  669.97
 2239.25     670 2797.18     670 2849.96     669 3796.17  650.08  3867.8     650
 4495.47     650 4580.29  641.97 4595.37  640.46 4682.07     640 4795.17     640
 4885.64  635.72 5194.76  620.26 5292.78   619.2 5894.06  614.05 6005.27     614
 7792.15     614 7892.04  614.95 7939.17  614.95 8040.95     615 8391.54     615
 8391.54  610.27 8549.87  610.27 8549.87     610 9190.74     610 9364.15  608.08
 9790.13  603.12 9974.85  600.38 9989.93  600.1510178.42     60010789.12     600
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10983.69  571.0511083.69  571.0511283.69     60011779.15  604.8313463.75  609.91
13661.93  609.9513899.76  640.2613959.21  648.3714137.58  655.1114454.68  664.73
14613.23  661.2214652.87  660.2414950.15  660.0214969.97  661.3215207.79  677.21
15445.62     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510789.12     .1511283.69     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10789.1211283.69               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1325071.00   87678.98   544579.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1325071.00   87678.98   544579.30
  Q Total (cfs)           206224.30    Flow (cfs)              136611.30   11514.09   58098.88
  Top Width (ft)          15445.62    Top Width (ft)          10789.12     494.57    4161.93
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.83    Hydr. Depth (ft)          122.82     177.28     130.85
  Conv. Total (cfs)       488154800.0    Conv. (cfs)            323373500.0   27255070.0   137526200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10836.70     498.80    4230.88
  Min Ch El (ft)            571.05    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2273.94     154.90     921.84
  C & E Loss (ft)             0.00    Cum SA (acres)             16.85       0.78       6.55


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1231.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.41  680.04  610.72  679.89  999.02  676.01 1017.87  676.12
 1298.73  677.99 1323.23  677.63 1998.04  667.03 2035.74  667.54 2197.85  669.97
 2239.31     670 2797.26     670 2850.04     669 3796.28  650.07 3867.91     650
 4495.59     650 4580.42  641.96  4595.5  640.45  4682.2     640  4795.3     640
 4885.78  635.71 5194.91  620.25 5292.93   619.2 5894.22  614.05 6005.44     614
 7792.36     614 7892.27  614.95 7939.39  614.95 8041.18     615 8391.78     615
 8391.78  610.26 8550.11  610.26 8550.11     610 9190.99     610 9364.41  608.08
 9790.41  603.11 9975.13  600.37 9990.21  600.15 10178.7     60010789.43     600
10984.14  571.0511084.14  571.0511284.14     60011779.73  604.8413464.75  609.91
13662.99  609.9513900.88  640.3113960.35  648.4114138.76  655.1114455.94  664.74
14614.53  661.2114654.18  660.2314951.54  660.0114971.36  661.3315209.25  677.24
15447.13     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510789.43     .1511284.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10789.4311284.14               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1325129.00   87703.33   544688.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1325129.00   87703.33   544688.90
  Q Total (cfs)           206224.30    Flow (cfs)              136605.20   11516.16   58102.91
  Top Width (ft)          15447.13    Top Width (ft)          10789.43     494.71    4162.99
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.83    Hydr. Depth (ft)          122.82     177.28     130.84
  Conv. Total (cfs)       488202700.0    Conv. (cfs)            323390800.0   27262660.0   137549200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10837.01     498.93    4231.94
  Min Ch El (ft)            571.05    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2258.73     153.89     915.59
  C & E Loss (ft)             0.00    Cum SA (acres)             16.73       0.77       6.50


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1231.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.43  680.04  610.74  679.89  999.05  676.01  1017.9  676.12
 1298.76  677.99 1323.27  677.63  1998.1  667.03  2035.8  667.54 2197.91  669.97
 2239.38     670 2797.34     670 2850.12     669 3796.39  650.07 3868.02     650
 4495.72     650 4580.54  641.95 4595.62  640.44 4682.33     640 4795.43     640
 4885.91   635.7 5195.05  620.25 5293.07   619.2 5894.39  614.05  6005.6     614
 7792.58     614 7892.49  614.95 7939.61  614.95  8041.4     615 8392.01     615
 8392.01  610.26 8550.35  610.26 8550.35     610 9191.25     610 9364.67  608.08
 9790.68  603.11 9975.41  600.37 9990.49  600.1410178.99     60010789.73     600
10984.59  571.0511084.59  571.0511284.59     60011780.31  604.8413465.76  609.91
13664.05  609.9513901.99  640.3613961.48  648.4614139.94  655.12 14457.2  664.74
14615.83  661.2114655.49  660.2314952.92  660.0114972.75  661.33 15210.7  677.27
15448.64     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510789.73     .1511284.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10789.7311284.59               .5      .5      .5             .1       .3
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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1325170.00   87729.38   544804.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1325170.00   87729.38   544804.60
  Q Total (cfs)           206224.30    Flow (cfs)              136597.30   11518.54   58108.48
  Top Width (ft)          15448.64    Top Width (ft)          10789.73     494.86    4164.05
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.83    Hydr. Depth (ft)          122.82     177.28     130.84
  Conv. Total (cfs)       488247100.0    Conv. (cfs)            323401400.0   27270770.0   137574900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10837.32     499.08    4233.01
  Min Ch El (ft)            571.05    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2243.52     152.89     909.33
  C & E Loss (ft)             0.00    Cum SA (acres)             16.60       0.77       6.45


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1230.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.45  680.04  610.76  679.89  999.08  676.01 1017.93  676.12
  1298.8  677.99 1323.31  677.63 1998.15  667.03 2035.85  667.54 2197.97  669.97
 2239.44     670 2797.42     670  2850.2     669 3796.49  650.07 3868.12     650
 4495.85     650 4580.67  641.93 4595.75  640.42 4682.47     640 4795.57     640
 4886.05   635.7  5195.2  620.24 5293.22   619.2 5894.55  614.05 6005.77     614
  7792.8     614 7892.71  614.95 7939.83  614.95 8041.63     615 8392.25     615
 8392.25  610.25 8550.59  610.25 8550.59     610 9191.51     610 9364.93  608.08
 9790.95  603.11 9975.69  600.36 9990.77  600.1410179.27     60010790.03     600
10985.04  571.0511085.04  571.0511285.04     60011780.89  604.8513466.77  609.92
13665.11  609.9513903.11   640.413962.61   648.514141.12  655.1314458.46  664.75
14617.13   661.2 14656.8  660.22 14954.3  660.0114974.14  661.3315212.14  677.29
15450.15     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510790.03     .1511285.04     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10790.0311285.04               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1325213.00   87755.60   544905.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1325213.00   87755.60   544905.40
  Q Total (cfs)           206224.30    Flow (cfs)              136591.20   11521.07   58111.99
  Top Width (ft)          15450.15    Top Width (ft)          10790.03     495.01    4165.11
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.83    Hydr. Depth (ft)          122.82     177.28     130.83
  Conv. Total (cfs)       488286300.0    Conv. (cfs)            323413100.0   27278940.0   137594300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10837.62     499.23    4234.07
  Min Ch El (ft)            571.05    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2228.31     151.88     903.08
  C & E Loss (ft)             0.00    Cum SA (acres)             16.48       0.76       6.40


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1230.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.46  680.04  610.77  679.89   999.1  676.01 1017.96  676.12
 1298.84  677.99 1323.34  677.63 1998.21  667.03 2035.91  667.54 2198.03  669.97
  2239.5     670 2797.49     670 2850.28  668.99  3796.6  650.07 3868.23     650
 4495.97     650  4580.8  641.92 4595.88  640.41  4682.6     640  4795.7     640
 4886.19  635.69 5195.35  620.23 5293.37   619.2 5894.72  614.05 6005.94     614
 7793.02     614 7892.93  614.95 7940.06  614.95 8041.85     615 8392.48     615
 8392.48  610.24 8550.83  610.24 8550.83     610 9191.76     610 9365.19  608.07
 9791.23   603.1 9975.97  600.36 9991.05  600.1310179.56     60010790.33     600
 10985.5  571.05 11085.5  571.05 11285.5     60011781.47  604.8513467.77  609.92
13666.16  609.9613904.23  640.4513963.75  648.55 14142.3  655.1414459.72  664.76
14618.43  661.1914658.11  660.2114955.69  660.0114975.53  661.3315213.59  677.32
15451.66     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510790.33     .15 11285.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10790.33 11285.5               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1325268.00   87783.52   545017.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1325268.00   87783.52   545017.70
  Q Total (cfs)           206224.30    Flow (cfs)              136584.30   11523.57   58116.41
  Top Width (ft)          15451.66    Top Width (ft)          10790.33     495.17    4166.16
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.83    Hydr. Depth (ft)          122.82     177.28     130.82
  Conv. Total (cfs)       488336000.0    Conv. (cfs)            323429600.0   27287630.0   137618800.0
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  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10837.92     499.39    4235.12
  Min Ch El (ft)            571.05    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2213.10     150.87     896.82
  C & E Loss (ft)             0.00    Cum SA (acres)             16.36       0.76       6.36


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1229.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.48  680.03  610.79  679.89  999.13  676.01 1017.98  676.12
 1298.87  677.99 1323.38  677.63 1998.27  667.03 2035.97  667.54 2198.09  669.97
 2239.57     670 2797.57     670 2850.36  668.99  3796.7  650.07 3868.34     650
  4496.1     650 4580.93  641.91 4596.01   640.4 4682.73     640 4795.84     640
 4886.32  635.68 5195.49  620.23 5293.52   619.2 5894.88  614.04 6006.11     614
 7793.24     614 7893.15  614.95 7940.28  614.95 8042.08     615 8392.72     615
 8392.72  610.23 8551.07  610.23 8551.07     610 9192.02     610 9365.46  608.07
  9791.5   603.1 9976.25  600.36 9991.33  600.1310179.84     60010790.63     600
10985.95  571.0511085.95  571.0511285.95     60011782.05  604.8513468.78  609.92
13667.22  609.9613905.35   640.513964.88   648.614143.47  655.1514460.98  664.77
14619.73  661.1914659.42  660.2114957.07  660.0114976.92  661.3315215.04  677.35
15453.17     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510790.63     .1511285.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10790.6311285.95               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1325316.00   87809.74   545130.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1325316.00   87809.74   545130.90
  Q Total (cfs)           206224.30    Flow (cfs)              136577.10   11525.92   58121.30
  Top Width (ft)          15453.17    Top Width (ft)           10790.63     495.32    4167.22
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.83    Hydr. Depth (ft)           122.82     177.28     130.81
  Conv. Total (cfs)       488382200.0    Conv. (cfs)            323443100.0   27295800.0   137643400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10838.22     499.54    4236.19
  Min Ch El (ft)            571.05    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2197.89     149.87     890.57
  C & E Loss (ft)             0.00    Cum SA (acres)             16.23       0.75       6.31


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1229.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   599.5  680.03  610.81  679.89  999.16  676.01 1018.01  676.12
 1298.91  677.99 1323.42  677.63 1998.32  667.03 2036.03  667.54 2198.15  669.97
 2239.63     670 2797.65     670 2850.44  668.99 3796.81  650.06 3868.45     650
 4496.22     650 4581.06  641.89 4596.14  640.39 4682.86     640 4795.97     640
 4886.46  635.68 5195.64  620.22 5293.67   619.2 5895.05  614.04 6006.28     614
 7793.45     614 7893.37  614.95  7940.5  614.95  8042.3     615 8392.95     615
 8392.95  610.23 8551.31  610.23 8551.31     610 9192.28     610 9365.72  608.07
 9791.78   603.1 9976.53  600.35 9991.61  600.1310180.13     60010790.94     600
10986.41  571.0511086.41  571.0511286.41     60011782.63  604.8613469.79  609.92
13668.28  609.9613906.46  640.5513966.01  648.6414144.65  655.1614462.24  664.77
14621.03  661.1814660.72   660.214958.46  660.0114978.31  661.34 15216.5  677.38
15454.68     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510790.94     .1511286.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10790.9411286.41               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1325364.00   87835.80   545236.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1325364.00   87835.80   545236.90
  Q Total (cfs)           206224.30    Flow (cfs)              136570.60   11528.33   58125.35
  Top Width (ft)          15454.68    Top Width (ft)           10790.94     495.47    4168.27
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.83    Hydr. Depth (ft)           122.82     177.28     130.81
  Conv. Total (cfs)       488425500.0    Conv. (cfs)            323456400.0   27303910.0   137665200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10838.53     499.69    4237.24
  Min Ch El (ft)            571.05    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2182.68     148.86     884.31
  C & E Loss (ft)             0.00    Cum SA (acres)             16.11       0.75       6.26


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 1228.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  599.51  680.03  610.82  679.89  999.19  676.01 1018.04  676.12
  1298.95  677.99 1323.45  677.63 1998.38  667.03 2036.08  667.54 2198.22  669.97
  2239.69     670 2797.73     670 2850.52  668.99 3796.92  650.06 3868.56     650
  4496.35     650 4581.19  641.88 4596.27  640.37 4682.99     640 4796.11     640
   4886.6  635.67 5195.78  620.21 5293.82   619.2 5895.21  614.04 6006.44     614
  7793.67     614 7893.59  614.96 7940.72  614.96 8042.53     615 8393.19     615
  8393.19  610.22 8551.55  610.22 8551.55     610 9192.54     610 9365.98  608.06
  9792.05  603.09 9976.81  600.35 9991.89  600.1210180.41     60010791.24     600
 10986.86  571.0411086.86  571.0411286.86     60011783.21  604.86 13470.8  609.93
 13669.33  609.9613907.58   640.613967.14  648.6914145.83  655.1614463.49  664.78
 14622.33  661.1814662.03  660.1914959.84  660.01 14979.7  661.3415217.95   677.4
 15456.19     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1510791.24     .1511286.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10791.2411286.86               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1325414.00   87865.00   545347.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1325414.00   87865.00   545347.30
  Q Total (cfs)           206224.30    Flow (cfs)              136563.40   11531.27   58129.61
  Top Width (ft)          15456.19    Top Width (ft)          10791.24     495.62    4169.33
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.84    Hydr. Depth (ft)          122.82     177.28     130.80
  Conv. Total (cfs)       488472700.0    Conv. (cfs)             323470600.0   27313520.0   137688600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10838.83     499.84    4238.30
  Min Ch El (ft)            571.04    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2167.46     147.85     878.05
  C & E Loss (ft)             0.00    Cum SA (acres)             15.99       0.74       6.21


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1228.*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  599.53  680.03  610.84  679.89  999.22  676.01 1018.07  676.12
  1298.98  677.99 1323.49  677.63 1998.43  667.02 2036.14  667.54 2198.28  669.97
  2239.75     670 2797.81     670  2850.6  668.99 3797.02  650.06 3868.67     650
  4496.48     650 4581.31  641.87  4596.4  640.36 4683.12     640 4796.24     640
  4886.74  635.66 5195.93   620.2 5293.96  619.19 5895.38  614.04 6006.61     614
  7793.89     614 7893.81  614.96 7940.95  614.96 8042.75     615 8393.42     615
  8393.42  610.21 8551.79  610.21 8551.79     610 9192.79     610 9366.24  608.06
  9792.32  603.09 9977.08  600.34 9992.17  600.12 10180.7     60010791.54     600
 10987.31  571.0411087.31  571.0411287.31     60011783.79  604.87 13471.8  609.93
 13670.39  609.96 13908.7  640.6513968.28  648.7314147.01  655.1714464.75  664.79
 14623.62  661.1714663.34  660.1914961.23  660.0114981.09  661.34 15219.4  677.43
  15457.7     695

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .1510791.54     .1511287.31     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10791.5411287.31               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1325465.00   87891.05   545452.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1325465.00   87891.05   545452.20
  Q Total (cfs)           206224.30    Flow (cfs)              136557.40   11533.65   58133.28
  Top Width (ft)          15457.70    Top Width (ft)          10791.54     495.77    4170.39
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.84    Hydr. Depth (ft)          122.82     177.28     130.79
  Conv. Total (cfs)       488516800.0    Conv. (cfs)             323485500.0   27321630.0   137709700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10839.13     499.99    4239.37
  Min Ch El (ft)            571.04    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2152.25     146.84     871.79
  C & E Loss (ft)             0.00    Cum SA (acres)             15.86       0.73       6.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1227.5*

INPUT
Description:
Station Elevation Data     num=      56
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  599.55  680.03  610.86  679.89  999.24  676.01  1018.1  676.12
  1299.02  677.99 1323.53  677.63 1998.49  667.02  2036.2  667.54 2198.34  669.98
  2239.82     670 2797.89     670 2850.68  668.99 3797.13  650.06 3868.77     650
   4496.6     650 4581.44  641.86 4596.53  640.35 4683.25     640 4796.37     640
  4886.87  635.66 5196.07   620.2 5294.11  619.19 5895.54  614.04 6006.78     614
```

```
 7794.11     614 7894.03  614.96 7941.17  614.96 8042.98     615 8393.66     615
 8393.66   610.2 8552.03   610.2 8552.03     610 9193.05     610  9366.5  608.06
  9792.6  603.09 9977.36  600.34 9992.45  600.1110180.98     60010791.84     600
10987.76  571.0411087.76  571.0411287.76     60011784.37  604.8713472.81  609.93
13671.45  609.9613909.82  640.6913969.41  648.7814148.19  655.1814466.01   664.8
14624.92  661.1614664.65  660.1814962.61  660.0114982.48  661.3415220.85  677.46
15459.21     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510791.84     .1511287.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10791.8411287.76               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1325505.00   87917.27   545569.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1325505.00   87917.27   545569.80
  Q Total (cfs)           206224.30    Flow (cfs)              136549.10   11536.05   58139.12
  Top Width (ft)          15459.21    Top Width (ft)          10791.84     495.92    4171.45
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.84    Hydr. Depth (ft)          122.82     177.28     130.79
  Conv. Total (cfs)       488561400.0    Conv. (cfs)             323495500.0   27329790.0   137736100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10839.44     500.13    4240.43
  Min Ch El (ft)            571.04    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2137.03     145.83     865.53
  C & E Loss (ft)             0.00    Cum SA (acres)             15.74       0.73       6.12


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1227.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.56  680.03  610.88  679.89  999.27  676.01 1018.13  676.12
 1299.05  677.99 1323.56  677.63 1998.55  667.02 2036.25  667.54  2198.4  669.98
 2239.88     670 2797.96     670 2850.76  668.98 3797.24  650.06 3868.88     650
 4496.73     650 4581.57  641.84 4596.65  640.33 4683.38     640 4796.51     640
 4887.01  635.65 5196.22  620.19 5294.26  619.19 5895.71  614.04 6006.95     614
 7794.33     614 7894.25  614.96 7941.39  614.96  8043.2     615 8393.89     615
 8393.89   610.2 8552.27   610.2 8552.27     610 9193.31     610 9366.77  608.05
 9792.87  603.08 9977.64  600.34 9992.73  600.1110181.27     60010792.14     600
10988.22  571.0411088.22  571.0411288.22     60011784.94  604.8813473.82  609.93
13672.51  609.9613910.94  640.7413970.54  648.8214149.37  655.1914467.27   664.8
14626.22  661.1614665.96  660.17   14964  660.0114983.87  661.35 15222.3  677.49
15460.72     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510792.14     .1511288.22     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10792.1411288.22               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1325559.00   87945.20   545674.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1325559.00   87945.20   545674.60
  Q Total (cfs)           206224.30    Flow (cfs)              136543.00   11538.63   58142.65
  Top Width (ft)          15460.72    Top Width (ft)          10792.14     496.08    4172.50
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.84    Hydr. Depth (ft)          122.83     177.28     130.78
  Conv. Total (cfs)       488607300.0    Conv. (cfs)             323511400.0   27338490.0   137757400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10839.74     500.29    4241.48
  Min Ch El (ft)            571.04    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2121.82     144.82     859.26
  C & E Loss (ft)             0.00    Cum SA (acres)             15.61       0.72       6.07


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1226.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.58  680.03  610.89  679.89   999.3  676.01 1018.16  676.12
 1299.09  677.99  1323.6  677.63  1998.6  667.02 2036.31  667.54 2198.46  669.98
 2239.94     670 2798.04     670 2850.83  668.98 3797.34  650.05 3868.99     650
 4496.85     650  4581.7  641.83 4596.78  640.32 4683.51     640 4796.64     640
 4887.15  635.64 5196.36  620.18 5294.41  619.19 5895.87  614.04 6007.12     614
 7794.54     614 7894.48  614.96 7941.61  614.96 8043.43     615 8394.13     615
 8394.13  610.19  8552.5  610.19  8552.5     610 9193.57     610 9367.03  608.05
 9793.15  603.08 9977.92  600.33 9993.01   600.110181.55     60010792.45     600
10988.67  571.0411088.67  571.0411288.67     60011785.52  604.8813474.82  609.94
13673.57  609.9713912.05  640.7913971.68  648.8714150.54   655.214468.53  664.81
14627.52  661.1514667.27  660.1714965.38  660.0114985.26  661.3515223.75  677.51
15462.24     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510792.45     .1511288.67     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10792.4511288.67               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1325611.00   87969.55   545780.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1325611.00   87969.55   545780.20
  Q Total (cfs)           206224.30    Flow (cfs)              136537.10   11540.80   58146.39
  Top Width (ft)          15462.24    Top Width (ft)          10792.45     496.22    4173.57
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.84    Hydr. Depth (ft)          122.83     177.28     130.77
  Conv. Total (cfs)       488651100.0    Conv. (cfs)            323526400.0   27346070.0   137778600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10840.05     500.43    4242.56
  Min Ch El (ft)            571.04    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2106.60     143.81     853.00
  C & E Loss (ft)             0.00    Cum SA (acres)             15.49       0.72       6.02


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1226.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   599.6  680.03  610.91  679.89  999.33  676.01 1018.18  676.12
 1299.13  677.99 1323.64  677.63 1998.66  667.02 2036.37  667.55 2198.52  669.98
    2240     670 2798.12     670 2850.91  668.98 3797.45  650.05  3869.1     650
 4496.98     650 4581.83  641.82 4596.91  640.31 4683.65     640 4796.78     640
 4887.28  635.64 5196.51  620.17 5294.56  619.19 5896.04  614.03 6007.29     614
 7794.76     614  7894.7  614.96 7941.83  614.96 8043.65     615 8394.36     615
 8394.36  610.18 8552.74  610.18 8552.74     610 9193.82     610 9367.29  608.05
 9793.42  603.08  9978.2  600.33 9993.29   600.110181.84     60010792.75     600
10989.12  571.0411089.12  571.0411289.12     600 11786.1  604.8913475.83  609.94
13674.62  609.9713913.17  640.8413972.81  648.9114151.72   655.214469.79  664.82
14628.82  661.1514668.58  660.1614966.77  660.0114986.65  661.35 15225.2  677.54
15463.75     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510792.75     .1511289.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10792.7511289.12               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1325655.00   87995.77   545887.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1325655.00   87995.77   545887.80
  Q Total (cfs)           206224.30    Flow (cfs)              136530.30   11543.25   58150.76
  Top Width (ft)          15463.75    Top Width (ft)          10792.75     496.37    4174.63
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.84    Hydr. Depth (ft)          122.83     177.28     130.76
  Conv. Total (cfs)       488693300.0    Conv. (cfs)            323538200.0   27354240.0   137800900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10840.35     500.58    4243.62
  Min Ch El (ft)            571.04    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2091.39     142.80     846.74
  C & E Loss (ft)             0.00    Cum SA (acres)             15.37       0.71       5.97


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1225.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.61  680.03  610.93  679.89  999.36  676.01 1018.21  676.12
 1299.16  677.99 1323.68  677.63 1998.71  667.02 2036.42  667.55 2198.58  669.98
 2240.07     670  2798.2     670 2850.99  668.98 3797.56  650.05 3869.21     650
  4497.1     650 4581.96   641.8 4597.04   640.3 4683.78     640 4796.91     640
 4887.42  635.63 5196.65  620.17  5294.7  619.19  5896.2  614.03 6007.45     614
 7794.98     614 7894.92  614.97 7942.06  614.97 8043.88     615  8394.6     615
  8394.6  610.17 8552.98  610.17 8552.98     610 9194.08     610 9367.55  608.05
 9793.69  603.07 9978.48  600.32 9993.57   600.110182.12     60010793.05     600
10989.58  571.0311089.58  571.0311289.58     60011786.68  604.8913476.84  609.94
13675.68  609.9713914.29  640.8913973.94  648.96 14152.9  655.2114471.05  664.83
14630.12  661.1414669.89  660.1514968.15  660.0114988.04  661.3515226.65  677.57
15465.26     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510793.05     .1511289.58     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10793.0511289.58               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1325699.00   88026.66   546002.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1325699.00   88026.66   546002.30
  Q Total (cfs)           206224.30    Flow (cfs)              136522.10   11546.40   58155.79
  Top Width (ft)          15465.26    Top Width (ft)          10793.05     496.53    4175.68
```

```
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.85    Hydr. Depth (ft)          122.83     177.28     130.76
  Conv. Total (cfs)       488740900.0    Conv. (cfs)            323550300.0   27364370.0   137826200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10840.65     500.74    4244.67
  Min Ch El (ft)            571.03    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2076.17     141.79     840.47
  C & E Loss (ft)             0.00    Cum SA (acres)             15.24       0.71       5.92


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1225.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.63  680.02  610.94  679.89  999.38  676.01 1018.24  676.12
  1299.2  677.99 1323.71  677.63 1998.77  667.02 2036.48  667.55 2198.65  669.98
 2240.13     670 2798.28     670 2851.07  668.98 3797.66  650.05 3869.32     650
 4497.23     650 4582.08  641.79 4597.17  640.28 4683.91     640 4797.05     640
 4887.56  635.62  5196.8  620.16 5294.85  619.19 5896.37  614.03 6007.62     614
  7795.2     614 7895.14  614.97 7942.28  614.97  8044.1     615 8394.83     615
 8394.83  610.17 8553.22  610.17 8553.22     610 9194.34     610 9367.82  608.04
 9793.97  603.07 9978.76  600.32 9993.85  600.0910182.41     60010793.35     600
10990.03  571.0311090.03  571.0311290.03     60011787.26   604.913477.84  609.94
13676.74  609.9713915.41  640.9413975.08     64914154.08  655.2214472.31  664.83
14631.42  661.13 14671.2  660.1514969.54  660.0114989.43  661.35 15228.1   677.6
15466.77     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510793.35     .1511290.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10793.3511290.03               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1325749.00   88052.88   546109.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1325749.00   88052.88   546109.30
  Q Total (cfs)           206224.30    Flow (cfs)              136515.70   11548.79   58159.81
  Top Width (ft)          15466.77    Top Width (ft)          10793.35     496.68    4176.74
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.85    Hydr. Depth (ft)          122.83     177.28     130.75
  Conv. Total (cfs)       488785200.0    Conv. (cfs)            323564500.0   27372530.0   137848200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10840.96     500.89    4245.73
  Min Ch El (ft)            571.03    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2060.95     140.78     834.20
  C & E Loss (ft)             0.00    Cum SA (acres)             15.12       0.70       5.88


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1224.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.65  680.02  610.96  679.89  999.41  676.01 1018.27  676.12
 1299.24  677.99 1323.75  677.63 1998.83  667.02 2036.54  667.55 2198.71  669.98
 2240.19     670 2798.36     670 2851.15  668.98 3797.77  650.04 3869.42     650
 4497.36     650 4582.21  641.78  4597.3  640.27 4684.04     640 4797.18     640
 4887.69  635.62 5196.95  620.15    5295  619.19 5896.53  614.03 6007.79     614
 7795.42     614 7895.36  614.97  7942.5  614.97 8044.33     615 8395.07     615
 8395.07  610.16 8553.46  610.16 8553.46     610  9194.6     610 9368.08  608.04
 9794.24  603.07 9979.04  600.31 9994.13  600.0910182.69     60010793.66     600
10990.48  571.0311090.48  571.0311290.48     60011787.84   604.913478.85  609.95
13677.79  609.9713916.53  640.9813976.21  649.0514155.26  655.2314473.57  664.84
14632.72  661.1314672.51  660.1414970.92  660.0114990.82  661.3615229.55  677.62
15468.28     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510793.66     .1511290.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10793.6611290.48               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1325798.00   88077.23   546217.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1325798.00   88077.23   546217.30
  Q Total (cfs)           206224.30    Flow (cfs)              136509.30   11550.96   58164.05
  Top Width (ft)          15468.28    Top Width (ft)          10793.66     496.82    4177.80
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.85    Hydr. Depth (ft)          122.83     177.28     130.74
  Conv. Total (cfs)       488828900.0    Conv. (cfs)            323578200.0   27380110.0   137870600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10841.27     501.03    4246.80
  Min Ch El (ft)            571.03    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2045.74     139.77     827.93
  C & E Loss (ft)             0.00    Cum SA (acres)             14.99       0.69       5.83


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1224.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.66  680.02  610.98  679.89  999.44  676.01  1018.3  676.12
 1299.27     678 1323.79  677.63 1998.88  667.02  2036.6  667.55 2198.77  669.98
 2240.26     670 2798.43     670 2851.23  668.98 3797.87  650.04 3869.53     650
 4497.48     650 4582.34  641.77 4597.43  640.26 4684.17     640 4797.31     640
 4887.83  635.61 5197.09  620.15 5295.15  619.18  5896.7  614.03 6007.96     614
 7795.64     614 7895.58  614.97 7942.72  614.97 8044.55     615  8395.3     615
  8395.3  610.15  8553.7  610.15  8553.7     610 9194.85     610 9368.34  608.04
 9794.52  603.06 9979.32  600.31 9994.41  600.0810182.98     60010793.96     600
10990.94  571.0311090.94  571.0311290.94     60011788.42  604.9113479.86  609.95
13678.85  609.9713917.64  641.0313977.34  649.0914156.43  655.2414474.82  664.85
14634.02  661.1214673.82  660.1314972.31  660.0114992.21  661.36   15231  677.65
15469.79     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510793.96     .1511290.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10793.9611290.94               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1325845.00   88105.16   546321.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1325845.00   88105.16   546321.60
  Q Total (cfs)           206224.30    Flow (cfs)              136502.90   11553.61   58167.83
  Top Width (ft)          15469.79    Top Width (ft)          10793.96     496.98    4178.85
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.85    Hydr. Depth (ft)          122.83     177.28     130.73
  Conv. Total (cfs)       488872200.0    Conv. (cfs)            323591600.0   27388810.0   137891800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10841.57     501.19    4247.85
  Min Ch El (ft)            571.03    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2030.52     138.76     821.66
  C & E Loss (ft)             0.00    Cum SA (acres)             14.87       0.69       5.78


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1223.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.68  680.02     611  679.89  999.47  676.01 1018.33  676.12
 1299.31     678 1323.82  677.63 1998.94  667.02 2036.65  667.55 2198.83  669.98
 2240.32     670 2798.51     670 2851.31  668.97 3797.98  650.04 3869.64     650
 4497.61     650 4582.47  641.75 4597.56  640.24  4684.3     640 4797.45     640
 4887.97   635.6 5197.24  620.14  5295.3  619.18 5896.86  614.03 6008.13     614
 7795.85     614  7895.8  614.97 7942.95  614.97 8044.78     615 8395.54     615
 8395.54  610.14 8553.94  610.14 8553.94     610 9195.11     610  9368.6  608.03
 9794.79  603.06  9979.6  600.31 9994.68  600.0810183.26     60010794.26     600
10991.39  571.0311091.39  571.0311291.39     600   11789  604.9113480.87  609.95
13679.91  609.9713918.76  641.0813978.47  649.1414157.61  655.2514476.08  664.86
14635.32  661.1114675.13  660.1314973.69  660.0114993.59  661.3615232.45  677.68
 15471.3     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510794.26     .1511291.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10794.2611291.39               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1325897.00   88131.22   546435.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1325897.00   88131.22   546435.90
  Q Total (cfs)           206224.30    Flow (cfs)              136495.80   11555.89   58172.63
  Top Width (ft)          15471.30    Top Width (ft)          10794.26     497.13    4179.91
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.85    Hydr. Depth (ft)          122.83     177.28     130.73
  Conv. Total (cfs)       488920500.0    Conv. (cfs)            323606800.0   27396930.0   137916800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10841.87     501.33    4248.92
  Min Ch El (ft)            571.03    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2015.30     137.75     815.39
  C & E Loss (ft)             0.00    Cum SA (acres)             14.75       0.68       5.73


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1223.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   599.7  680.02  611.01  679.89   999.5  676.01 1018.35  676.12
 1299.35     678 1323.86  677.63 1998.99  667.02 2036.71  667.55 2198.89  669.98
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 2240.38     670 2798.59     670 2851.39  668.97 3798.09  650.04 3869.75     650
 4497.73     650  4582.6  641.74 4597.68  640.23 4684.43     640 4797.58     640
  4888.1  635.59 5197.38  620.13 5295.45  619.18 5897.03  614.03 6008.29     614
 7796.07     614 7896.02  614.97 7943.17  614.97    8045     615 8395.77     615
 8395.77  610.14 8554.18  610.14 8554.18     610 9195.37     610 9368.87  608.03
 9795.07  603.06 9979.88   600.3 9994.96  600.0810183.55     60010794.56     600
10991.84  571.0311091.84  571.0311291.84     60011789.58  604.9213481.87  609.95
13680.97  609.9813919.88  641.1313979.61  649.1814158.79  655.2514477.34  664.86
14636.62  661.1114676.43  660.1214975.08  660.0114994.99  661.36 15233.9  677.71
15472.81     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510794.56     .1511291.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10794.5611291.84               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1325940.00   88157.44   546543.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1325940.00   88157.44   546543.90
  Q Total (cfs)           206224.30    Flow (cfs)              136488.80   11558.34   58177.12
  Top Width (ft)          15472.81    Top Width (ft)          10794.56     497.28    4180.97
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.85    Hydr. Depth (ft)          122.83     177.28     130.72
  Conv. Total (cfs)       488962500.0    Conv. (cfs)            323618100.0   27405090.0   137939300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10842.17     501.48    4249.98
  Min Ch El (ft)            571.03    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2000.08     136.74     809.12
  C & E Loss (ft)             0.00    Cum SA (acres)             14.62       0.68       5.68


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1222.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.71  680.02  611.03  679.89  999.52     676 1018.38  676.12
 1299.38     678  1323.9  677.62 1999.05  667.01 2036.77  667.55 2198.95  669.98
 2240.44     670 2798.67     670 2851.47  668.97 3798.19  650.04 3869.86     650
 4497.86     650 4582.73  641.73 4597.81  640.22 4684.56     640 4797.72     640
 4888.24  635.59 5197.53  620.12 5295.59  619.18 5897.19  614.02 6008.46     614
 7796.29     614 7896.24  614.97 7943.39  614.97 8045.23     615    8396     615
    8396  610.13 8554.42  610.13 8554.42     610 9195.62     610 9369.13  608.03
 9795.34  603.05 9980.16   600.3 9995.24  600.0710183.83     60010794.86     600
 10992.3  571.03 11092.3  571.03 11292.3     60011790.16  604.9213482.88  609.96
13682.02  609.98   13921  641.1813980.74  649.2314159.97  655.26 14478.6  664.87
14637.92   661.114677.74  660.1114976.46  660.0114996.38  661.3615235.35  677.73
15474.32     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510794.86     .15 11292.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10794.86 11292.3               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1325999.00   88185.20   546651.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1325999.00   88185.20   546651.10
  Q Total (cfs)           206224.30    Flow (cfs)              136482.80   11560.83   58180.70
  Top Width (ft)          15474.32    Top Width (ft)          10794.86     497.44    4182.02
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.85    Hydr. Depth (ft)          122.84     177.28     130.71
  Conv. Total (cfs)       489011300.0    Conv. (cfs)            323636000.0   27413730.0   137961500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10842.47     501.64    4251.03
  Min Ch El (ft)            571.03    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1984.86     135.72     802.84
  C & E Loss (ft)             0.00    Cum SA (acres)             14.50       0.67       5.64


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1222.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.73  680.02  611.05  679.89  999.55     676 1018.41  676.12
 1299.42     678 1323.94  677.62  1999.1  667.01 2036.82  667.55 2199.02  669.99
 2240.51     670 2798.75     670 2851.55  668.97  3798.3  650.03 3869.97     650
 4497.99     650 4582.85  641.71 4597.94  640.21 4684.69     640 4797.85     640
 4888.38  635.58 5197.67  620.12 5295.74  619.18 5897.36  614.02 6008.63     614
 7796.51     614 7896.46  614.98 7943.61  614.98 8045.45     615 8396.24     615
 8396.24  610.12 8554.66  610.12 8554.66     610 9195.88     610 9369.39  608.02
 9795.61  603.05 9980.44  600.29 9995.52  600.0710184.12     60010795.17     600
10992.75  571.0211092.75  571.0211292.75     60011790.74  604.9213483.89  609.96
13683.08  609.9813922.12  641.2313981.87  649.2714161.15  655.2714479.86  664.88
14639.21   661.114679.05  660.1114977.84  660.0114997.76  661.37 15236.8  677.76
15475.83     695

Manning's n Values        num=       3
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```
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510795.17     .1511292.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10795.1711292.75               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1326049.00   88212.70   546764.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326049.00   88212.70   546764.30
  Q Total (cfs)           206224.30    Flow (cfs)              136475.40   11563.53   58185.39
  Top Width (ft)          15475.83    Top Width (ft)          10795.17     497.58    4183.08
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.86    Hydr. Depth (ft)          122.84     177.28     130.71
  Conv. Total (cfs)       489059000.0    Conv. (cfs)            323650100.0   27422810.0   137986100.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10842.78     501.78    4252.10
  Min Ch El (ft)            571.02    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1969.64     134.71     796.57
  C & E Loss (ft)             0.00    Cum SA (acres)             14.37       0.67       5.59


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1221.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.75  680.02  611.06  679.89  999.58     676 1018.44  676.12
 1299.45     678 1323.97  677.62 1999.16  667.01 2036.88  667.55 2199.08  669.99
 2240.57     670 2798.83     670 2851.63  668.97 3798.41  650.03 3870.07     650
 4498.11     650 4582.98   641.7 4598.07  640.19 4684.83     640 4797.99     640
 4888.51  635.57 5197.82  620.11 5295.89  619.18 5897.52  614.02  6008.8     614
 7796.73     614 7896.69  614.98 7943.84  614.98 8045.68     615 8396.48     615
 8396.48  610.11  8554.9  610.11  8554.9     610 9196.14     610 9369.65  608.02
 9795.89  603.05 9980.72  600.29  9995.8  600.06 10184.4     60010795.47     600
 10993.2  571.02 11093.2  571.02 11293.2     60011791.31  604.9313484.89  609.96
13684.14  609.9813923.23  641.2713983.01  649.3214162.33  655.2814481.12  664.89
14640.51  661.0914680.36   660.114979.23  660.0114999.15  661.3715238.25  677.79
15477.34     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510795.47     .15 11293.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10795.47 11293.2               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1326093.00   88238.93   546870.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326093.00   88238.93   546870.40
  Q Total (cfs)           206224.30    Flow (cfs)              136468.80   11565.99   58189.52
  Top Width (ft)          15477.34    Top Width (ft)          10795.47     497.73    4184.14
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.86    Hydr. Depth (ft)          122.84     177.28     130.70
  Conv. Total (cfs)       489100900.0    Conv. (cfs)            323662200.0   27430980.0   138007700.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10843.09     501.93    4253.16
  Min Ch El (ft)            571.02    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1954.42     133.70     790.29
  C & E Loss (ft)             0.00    Cum SA (acres)             14.25       0.66       5.54


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1221.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.77  680.02  611.08  679.89  999.61     676 1018.47  676.12
 1299.49     678 1324.01  677.62 1999.22  667.01 2036.94  667.55 2199.14  669.99
 2240.63     670  2798.9     670 2851.71  668.97 3798.51  650.03 3870.18     650
 4498.24     650 4583.11  641.69  4598.2  640.18 4684.96     640 4798.12     640
 4888.65  635.57 5197.96   620.1 5296.04  619.18 5897.69  614.02 6008.97     614
 7796.95     614 7896.91  614.98 7944.06  614.98  8045.9     615 8396.71     615
 8396.71  610.11 8555.14  610.11 8555.14     610  9196.4     610 9369.91  608.02
 9796.16  603.04    9981  600.29 9996.08  600.0610184.69     60010795.77     600
10993.66  571.0211093.66  571.0211293.66     60011791.89  604.93 13485.9  609.96
 13685.2  609.9813924.35  641.3213984.14  649.37 14163.5  655.2914482.38  664.89
14641.81  661.0814681.67  660.0914980.61  660.0115000.54  661.37 15239.7  677.82
15478.85     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510795.77     .1511293.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10795.7711293.66               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1326136.00   88266.85   546987.10
```

```
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326136.00   88266.85   546987.10
  Q Total (cfs)           206224.30    Flow (cfs)              136460.70   11568.55   58195.08
  Top Width (ft)          15478.85    Top Width (ft)          10795.77     497.89    4185.19
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.86    Hydr. Depth (ft)          122.84     177.28     130.70
  Conv. Total (cfs)       489147400.0    Conv. (cfs)             323673700.0   27439670.0   138034000.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10843.39     502.09    4254.21
  Min Ch El (ft)            571.02    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1939.20     132.69     784.01
  C & E Loss (ft)             0.00    Cum SA (acres)             14.13       0.65       5.49


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1220.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.78  680.01   611.1  679.89  999.64     676  1018.5  676.12
 1299.53     678 1324.05  677.62 1999.27  667.01 2036.99  667.55  2199.2  669.99
 2240.69     670 2798.98     670 2851.79  668.96 3798.62  650.03 3870.29     650
 4498.36     650 4583.24  641.68 4598.33  640.17 4685.09     640 4798.25     640
 4888.79  635.56 5198.11  620.09 5296.19  619.18 5897.85  614.02 6009.13     614
 7797.16     614 7897.13  614.98 7944.28  614.98 8046.13     615 8396.95     615
 8396.95   610.1 8555.38   610.1 8555.38     610 9196.65     610 9370.18  608.01
 9796.44  603.04 9981.27  600.28 9996.36  600.0510184.97     60010796.07     600
10994.11  571.0211094.11  571.0211294.11     60011792.47  604.9413486.91  609.97
13686.25  609.9813925.47  641.3713985.27  649.4114164.68  655.2914483.64   664.9
14643.11  661.0814682.98  660.09   14982  660.0115001.93  661.3715241.15  677.84
15480.36     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510796.07     .1511294.11     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10796.0711294.11               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1326193.00   88292.91   547085.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326193.00   88292.91   547085.90
  Q Total (cfs)           206224.30    Flow (cfs)              136455.70   11570.94   58197.70
  Top Width (ft)          15480.36    Top Width (ft)          10796.07     498.04    4186.25
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.86    Hydr. Depth (ft)          122.84     177.28     130.69
  Conv. Total (cfs)       489190900.0    Conv. (cfs)             323690600.0   27447780.0   138052500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10843.69     502.24    4255.28
  Min Ch El (ft)            571.02    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1923.97     131.67     777.73
  C & E Loss (ft)             0.00    Cum SA (acres)             14.00       0.65       5.44


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1220.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   599.8  680.01  611.12  679.89  999.66     676 1018.53  676.12
 1299.56     678 1324.08  677.62 1999.33  667.01 2037.05  667.56 2199.26  669.99
 2240.76     670 2799.06     670 2851.87  668.96 3798.72  650.03  3870.4     650
 4498.49     650 4583.37  641.66 4598.46  640.15 4685.22     640 4798.39     640
 4888.92  635.55 5198.25  620.09 5296.33  619.17 5898.02  614.02  6009.3     614
 7797.38     614 7897.35  614.98  7944.5  614.98 8046.35     615 8397.18     615
 8397.18  610.09 8555.62  610.09 8555.62     610 9196.91     610 9370.44  608.01
 9796.71  603.04 9981.55  600.28 9996.64  600.0510185.26     60010796.38     600
10994.56  571.0211094.56  571.0211294.56     60011793.05  604.9413487.92  609.97
13687.31  609.9813926.59  641.4213986.41  649.4614165.86   655.314484.89  664.91
14644.41  661.0714684.29  660.0814983.38  660.0115003.32  661.37 15242.6  677.87
15481.87     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510796.38     .1511294.56     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10796.3811294.56               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1326239.00   88317.26   547201.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326239.00   88317.26   547201.90
  Q Total (cfs)           206224.30    Flow (cfs)              136448.20   11573.05   58203.07
  Top Width (ft)          15481.87    Top Width (ft)          10796.38     498.18    4187.31
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.86    Hydr. Depth (ft)          122.84     177.28     130.68
  Conv. Total (cfs)       489237100.0    Conv. (cfs)             323703400.0   27455370.0   138078300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10844.00     502.38    4256.34
  Min Ch El (ft)            571.02    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1908.75     130.66     771.45
  C & E Loss (ft)             0.00    Cum SA (acres)             13.88       0.64       5.40
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1219.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.82  680.01  611.13  679.89  999.69     676 1018.55  676.12
  1299.6     678 1324.12  677.62 1999.38  667.01 2037.11  667.56 2199.32  669.99
 2240.82     670 2799.14     670 2851.95  668.96 3798.83  650.02 3870.51     650
 4498.62     650  4583.5  641.65 4598.58  640.14 4685.35     640 4798.52     640
 4889.06  635.55  5198.4  620.08 5296.48  619.17 5898.18  614.02 6009.47     614
  7797.6     614 7897.57  614.98 7944.72  614.98 8046.58     615 8397.42     615
 8397.42  610.08 8555.86  610.08 8555.86     610 9197.17     610  9370.7  608.01
 9796.98  603.04 9981.83  600.27 9996.92  600.0510185.54     60010796.68     600
10995.01  571.0211095.01  571.0211295.01     60011793.63  604.9513488.92  609.97
13688.37  609.98 13927.7  641.4713987.54   649.514167.04  655.3114486.15  664.92
14645.71  661.07 14685.6  660.0714984.77     66015004.71  661.3815244.05   677.9
15483.38     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510796.68     .1511295.01     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10796.6811295.01               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1326287.00   88343.48   547307.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326287.00   88343.48   547307.10
  Q Total (cfs)           206224.30    Flow (cfs)              136441.90   11575.48   58206.95
  Top Width (ft)          15483.38    Top Width (ft)          10796.68     498.33    4188.37
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.86    Hydr. Depth (ft)          122.84     177.28     130.67
  Conv. Total (cfs)       489279700.0    Conv. (cfs)            323716600.0   27463530.0   138099500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10844.30     502.52    4257.41
  Min Ch El (ft)            571.02    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1893.53     129.65     765.17
  C & E Loss (ft)             0.00    Cum SA (acres)             13.76       0.64       5.35


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1219.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.83  680.01  611.15  679.89  999.72     676 1018.58  676.12
 1299.64     678 1324.16  677.62 1999.44  667.01 2037.17  667.56 2199.38  669.99
 2240.88     670 2799.22     670 2852.03  668.96 3798.94  650.02 3870.61     650
 4498.74     650 4583.62  641.64 4598.71  640.13 4685.48     640 4798.66     640
  4889.2  635.54 5198.55  620.07 5296.63  619.17 5898.35  614.01 6009.64     614
 7797.82     614 7897.79  614.98 7944.95  614.98 8046.81     615 8397.65     615
 8397.65  610.08  8556.1  610.08  8556.1     610 9197.43     610 9370.96  608.01
 9797.26  603.03 9982.11  600.27  9997.2  600.0410185.83     60010796.98     600
10995.47  571.0211095.47  571.0211295.47     60011794.21  604.9513489.93  609.97
13689.43  609.9913928.82  641.5213988.67  649.5514168.22  655.3214487.41  664.92
14647.01  661.0614686.91  660.0714986.15     660 15006.1  661.38 15245.5  677.93
15484.89     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510796.98     .1511295.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10796.9811295.47               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1326336.00   88371.23   547419.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326336.00   88371.23   547419.90
  Q Total (cfs)           206224.30    Flow (cfs)              136434.60   11578.00   58211.70
  Top Width (ft)          15484.89    Top Width (ft)          10796.98     498.49    4189.42
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.86    Hydr. Depth (ft)          122.84     177.28     130.67
  Conv. Total (cfs)       489327200.0    Conv. (cfs)            323730800.0   27472170.0   138124200.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10844.60     502.68    4258.46
  Min Ch El (ft)            571.02    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1878.30     128.63     758.89
  C & E Loss (ft)             0.00    Cum SA (acres)             13.63       0.63       5.30


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1218.5*

INPUT
Description:
Station Elevation Data    num=      56
```

```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.85  680.01  611.17  679.89  999.75     676 1018.61  676.12
 1299.67     678 1324.19  677.62  1999.5  667.01 2037.22  667.56 2199.45  669.99
 2240.95     670  2799.3     670 2852.11  668.96 3799.04  650.02 3870.72     650
 4498.87     650 4583.75  641.62 4598.84  640.12 4685.61     640 4798.79     640
 4889.33  635.53 5198.69  620.07 5296.78  619.17 5898.51  614.01 6009.81     614
 7798.04     614 7898.01  614.99 7945.17  614.99 8047.03     615 8397.88     615
 8397.88  610.07 8556.34  610.07 8556.34     610 9197.68     610 9371.22     608
 9797.53  603.03 9982.39  600.26 9997.48  600.0410186.11     60010797.28     600
10995.92  571.0111095.92  571.0111295.92     60011794.79  604.9613490.94  609.98
13690.48  609.9913929.94  641.56 13989.8  649.59 14169.4  655.3314488.67  664.93
14648.31  661.0514688.22  660.0614987.54     66015007.49  661.3815246.95  677.95
15486.41     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510797.28     .1511295.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10797.2811295.92               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1326381.00   88400.45   547520.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326381.00   88400.45   547520.90
  Q Total (cfs)           206224.30    Flow (cfs)              136428.30   11581.08   58214.93
  Top Width (ft)          15486.41    Top Width (ft)          10797.28     498.64    4190.49
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.87    Hydr. Depth (ft)          122.84     177.28     130.66
  Conv. Total (cfs)       489368300.0    Conv. (cfs)            323743000.0   27481780.0   138143500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10844.91     502.83    4259.53
  Min Ch El (ft)            571.01    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1863.08     127.62     752.60
  C & E Loss (ft)             0.00    Cum SA (acres)             13.51       0.63       5.25


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1218.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.87  680.01  611.18  679.89  999.78     676 1018.64  676.12
 1299.71     678 1324.23  677.62 1999.55  667.01 2037.28  667.56 2199.51  669.99
 2241.01     670 2799.37     670 2852.19  668.96 3799.15  650.02 3870.83     650
 4498.99     650 4583.88  641.61 4598.97   640.1 4685.74     640 4798.93     640
 4889.47  635.53 5198.84  620.06 5296.93  619.17 5898.68  614.01 6009.98     614
 7798.25     614 7898.23  614.99 7945.39  614.99 8047.26     615 8398.12     615
 8398.12  610.06 8556.58  610.06 8556.58     610 9197.94     610 9371.49     608
 9797.81  603.03 9982.67  600.26 9997.76  600.03 10186.4     60010797.58     600
10996.38  571.0111096.38  571.0111296.38     60011795.37  604.9613491.94  609.98
13691.54  609.9913931.06  641.6113990.94  649.6414170.57  655.3314489.93  664.94
14649.61  661.0514689.53  660.0514988.92     66015008.88  661.38 15248.4  677.98
15487.92     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510797.58     .1511296.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10797.5811296.38               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1326423.00   88428.38   547636.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326423.00   88428.38   547636.70
  Q Total (cfs)           206224.30    Flow (cfs)              136420.30   11583.66   58220.38
  Top Width (ft)          15487.92    Top Width (ft)          10797.58     498.80    4191.54
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.87    Hydr. Depth (ft)          122.84     177.28     130.65
  Conv. Total (cfs)       489414200.0    Conv. (cfs)            323754300.0   27490480.0   138169400.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        10845.21     502.99    4260.59
  Min Ch El (ft)            571.01    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1847.85     126.60     746.32
  C & E Loss (ft)             0.00    Cum SA (acres)             13.38       0.62       5.20


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1217.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.88  680.01   611.2  679.89   999.8     676 1018.67  676.12
 1299.75     678 1324.27  677.62 1999.61  667.01 2037.34  667.56 2199.57  669.99
 2241.07     670 2799.45     670 2852.27  668.95 3799.26  650.01 3870.94     650
 4499.12     650 4584.01   641.6  4599.1  640.09 4685.87     640 4799.06     640
 4889.61  635.52 5198.98  620.05 5297.08  619.17 5898.84  614.01 6010.14     614
 7798.47     614 7898.45  614.99 7945.61  614.99 8047.48     615 8398.36     615
 8398.36  610.05 8556.81  610.05 8556.81     610  9198.2     610 9371.75     608
 9798.08  603.02 9982.95  600.26 9998.04  600.0310186.68     60010797.88     600
10996.83  571.0111096.83  571.0111296.83     60011795.95  604.9713492.95  609.98
 13692.6  609.9913932.17  641.6613992.07  649.6814171.75  655.3414491.19  664.95
14650.91  661.0414690.84  660.0514990.31     66015010.27  661.3915249.85  678.01
```

```
15489.43     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510797.88     .1511296.83     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10797.8811296.83               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1326480.00   88454.61   547739.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326480.00   88454.61   547739.50
  Q Total (cfs)           206224.30    Flow (cfs)              136414.80   11586.02   58223.52
  Top Width (ft)          15489.43    Top Width (ft)           10797.88     498.95    4192.60
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.87    Hydr. Depth (ft)           122.85     177.28     130.64
  Conv. Total (cfs)       489459500.0    Conv. (cfs)            323771300.0   27498650.0   138189600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         10845.51     503.14    4261.65
  Min Ch El (ft)            571.01    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1832.63     125.59     740.03
  C & E Loss (ft)             0.00    Cum SA (acres)             13.26       0.61       5.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1217.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   599.9  680.01  611.22  679.89  999.83     676  1018.7  676.12
 1299.78     678 1324.31  677.62 1999.66  667.01 2037.39  667.56 2199.63  669.99
 2241.13     670 2799.53     670 2852.35  668.95 3799.36  650.01 3871.05     650
 4499.24     650 4584.14  641.59 4599.23  640.08 4686.01     640 4799.19     640
 4889.75  635.51 5199.13  620.04 5297.22  619.17 5899.01  614.01 6010.31     614
 7798.69     614 7898.67  614.99 7945.84  614.99 8047.71     615 8398.59     615
 8398.59  610.05 8557.05  610.05 8557.05     610 9198.46     610 9372.01  607.99
 9798.36  603.02 9983.23  600.25 9998.32  600.0310186.97     60010798.19     600
10997.28  571.0111097.28  571.0111297.28     60011796.53  604.9713493.96  609.98
13693.66  609.9913933.29  641.71 13993.2  649.7314172.93  655.3514492.45  664.95
14652.21  661.0414692.14  660.0414991.69     66015011.66  661.39 15251.3  678.04
15490.94     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510798.19     .1511297.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10798.1911297.28               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1326527.00   88478.96   547856.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326527.00   88478.96   547856.80
  Q Total (cfs)           206224.30    Flow (cfs)              136407.20   11588.10   58229.01
  Top Width (ft)          15490.94    Top Width (ft)           10798.19     499.09    4193.66
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.87    Hydr. Depth (ft)           122.85     177.28     130.64
  Conv. Total (cfs)       489506500.0    Conv. (cfs)            323784400.0   27506230.0   138215900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         10845.82     503.28    4262.72
  Min Ch El (ft)            571.01    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1817.40     124.57     733.75
  C & E Loss (ft)             0.00    Cum SA (acres)             13.14       0.61       5.11


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1216.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.92  680.01  611.24  679.89  999.86     676 1018.73  676.12
 1299.82     678 1324.34  677.62 1999.72     667 2037.45  667.56 2199.69     670
  2241.2     670 2799.61     670 2852.43  668.95 3799.47  650.01 3871.16     650
 4499.37     650 4584.26  641.57 4599.36  640.06 4686.14     640 4799.33     640
 4889.88  635.51 5199.27  620.04 5297.37  619.17 5899.17  614.01 6010.48     614
 7798.91     614  7898.9  614.99 7946.06  614.99 8047.93     615 8398.83     615
 8398.83  610.04 8557.29  610.04 8557.29     610 9198.71     610 9372.27  607.99
 9798.63  603.02 9983.51  600.25  9998.6  600.0210187.25     60010798.49     600
10997.73  571.0111097.73  571.0111297.73     600 11797.1  604.9813494.96  609.99
13694.71  609.9913934.41  641.7613994.33  649.7714174.11  655.3614493.71  664.96
 14653.5  661.0314693.45  660.0314993.08     66015013.05  661.3915252.75  678.06
15492.45     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510798.49     .1511297.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10798.4911297.73               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
```

```
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1326571.00   88505.19   547955.40
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1326571.00   88505.19   547955.40
  Q Total (cfs)          206224.30    Flow (cfs)              136401.50   11590.63   58232.21
  Top Width (ft)         15492.45    Top Width (ft)          10798.49     499.24    4194.72
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.87    Hydr. Depth (ft)          122.85     177.28     130.63
  Conv. Total (cfs)      489545100.0    Conv. (cfs)            323796300.0   27514400.0   138234400.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10846.12     503.43    4263.78
  Min Ch El (ft)           571.01    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     1802.17     123.56     727.46
  C & E Loss (ft)            0.00    Cum SA (acres)             13.01       0.60       5.06


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1216.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.93     680  611.25  679.89  999.89     676 1018.75  676.13
 1299.85     678 1324.38  677.62 1999.78     667 2037.51  667.56 2199.75     670
 2241.26     670 2799.69     670 2852.51  668.95 3799.57  650.01 3871.26     650
  4499.5     650 4584.39  641.56 4599.49  640.05 4686.27     640 4799.46     640
 4890.02   635.5 5199.42  620.03 5297.52  619.16 5899.34  614.01 6010.65     614
 7799.13     614 7899.12  614.99 7946.28  614.99 8048.16     615 8399.06     615
 8399.06  610.03 8557.53  610.03 8557.53     610 9198.97     610 9372.54  607.99
  9798.9  603.01 9983.79  600.24 9998.88  600.0210187.54   60010798.79     600
10998.19  571.0111098.19  571.0111298.19   60011797.68  604.9813495.97  609.99
13695.77  609.9913935.53  641.8113995.47  649.8214175.29  655.3714494.96  664.97
 14654.8  661.0214694.76  660.0314994.46   66015014.44  661.39 15254.2  678.09
15493.96     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510798.79     .1511298.19     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10798.7911298.19               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1326624.00   88533.11   548068.00
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1326624.00   88533.11   548068.00
  Q Total (cfs)          206224.30    Flow (cfs)              136394.40   11593.14   58236.76
  Top Width (ft)         15493.96    Top Width (ft)          10798.79     499.40    4195.77
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.87    Hydr. Depth (ft)          122.85     177.28     130.62
  Conv. Total (cfs)      489593700.0    Conv. (cfs)            323811700.0   27523090.0   138258900.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10846.42     503.59    4264.83
  Min Ch El (ft)           571.01    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     1786.95     122.54     721.17
  C & E Loss (ft)            0.00    Cum SA (acres)             12.89       0.60       5.01


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1215.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.95     680  611.27  679.89  999.92     676 1018.78  676.13
 1299.89     678 1324.42  677.62 1999.83     667 2037.56  667.56 2199.82     670
 2241.32     670 2799.77     670 2852.59  668.95 3799.68  650.01 3871.37     650
 4499.62     650 4584.52  641.55 4599.61  640.04  4686.4     640  4799.6     640
 4890.16  635.49 5199.56  620.02 5297.67  619.16  5899.5     614 6010.82     614
 7799.35     614 7899.34     615  7946.5     615 8048.38     615 8399.29     615
 8399.29  610.02 8557.77  610.02 8557.77     610 9199.23     610  9372.8  607.98
 9799.18  603.01 9984.07  600.24 9999.16  600.0110187.82   60010799.09     600
10998.64     57111098.64     57111298.64   60011798.26  604.9913496.98  609.99
13696.83     61013936.65  641.85 13996.6  649.8614176.46  655.3814496.22  664.98
 14656.1  661.0214696.07  660.0214995.85   66015015.83  661.3915255.65  678.12
15495.47     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510799.09     .1511298.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10799.0911298.64               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1326673.00   88562.17   548172.30
  E.G. Slope (ft/ft)     0.000000    Area (sq ft)            1326673.00   88562.17   548172.30
  Q Total (cfs)          206224.30    Flow (cfs)              136387.90   11596.12   58240.26
  Top Width (ft)         15495.47    Top Width (ft)          10799.09     499.55    4196.83
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.88    Hydr. Depth (ft)          122.85     177.28     130.62
  Conv. Total (cfs)      489638300.0    Conv. (cfs)            323825800.0   27532650.0   138279800.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10846.73     503.74    4265.90
  Min Ch El (ft)           571.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
```

```
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     1771.72     121.52     714.87
  C & E Loss (ft)            0.00    Cum SA (acres)             12.76       0.59       4.96


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1215.*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.97     680  611.29  679.89  999.94     676 1018.81  676.13
 1299.93     678 1324.45  677.62 1999.89     667 2037.62  667.56 2199.88     670
 2241.38     670 2799.84     670 2852.67  668.95 3799.79     650 3871.48     650
 4499.75     650 4584.65  641.54 4599.74  640.03 4686.53     640 4799.73     640
 4890.29  635.49 5199.71  620.01 5297.82  619.16 5899.67     614 6010.98     614
 7799.56     614 7899.56     615 7946.73     615 8048.61     615 8399.53     615
 8399.53  610.02 8558.01  610.02 8558.01     610 9199.49     610 9373.06  607.98
 9799.45  603.01 9984.35  600.23 9999.44  600.0110188.11     600 10799.4     600
10999.09     57111099.09     57111299.09     60011798.84  604.9913497.99  609.99
13697.88     61013937.76   641.913997.73  649.9114177.64  655.3814497.48  664.98
 14657.4  661.0114697.38  660.0114997.23     66015017.22   661.4 15257.1  678.15
15496.98     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10799.4     .1511299.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10799.411299.09               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1326721.00   88586.52   548291.40
  E.G. Slope (ft/ft)      0.000000   Area (sq ft)            1326721.00   88586.52   548291.40
  Q Total (cfs)           206224.30   Flow (cfs)              136380.10   11598.18   58245.97
  Top Width (ft)          15496.98   Top Width (ft)          10799.40     499.69    4197.89
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.88    Hydr. Depth (ft)          122.85     177.28     130.61
  Conv. Total (cfs)       489686000.0   Conv. (cfs)            323838900.0   27540230.0   138306900.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10847.04     503.88    4266.96
  Min Ch El (ft)           571.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     1756.49     120.51     708.58
  C & E Loss (ft)            0.00    Cum SA (acres)             12.64       0.59       4.92


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1214.5*

INPUT
Description:
Station Elevation Data    num=      55
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.98     680   611.3  679.89  999.97     676 1018.84  676.13
 1299.96     678 1324.49  677.62 1999.94     667 2037.68  667.57 2199.94     670
 2241.45     670 2799.92     670 2852.75  668.95 3799.89     650 3871.59     650
 4499.87     650 4584.78  641.52 4599.87  640.01 4686.66     640 4799.87     640
 4890.43  635.48 5199.85  620.01 5297.96  619.16 5899.83     614 6011.15     614
 7799.78     614 7899.78     615 7946.95     615 8048.83     615 8399.76     615
 8399.76  610.01 8558.25  610.01 9199.74     610 9373.32  607.98 9799.73     603
 9984.63  600.23 9999.72     60010188.39     600 10799.7     60010999.55     571
11099.55     57111299.55     60011799.42     60513498.99     61013698.94     610
13938.88  641.9513998.87  649.9514178.82  655.3914498.74  664.99 14658.7  661.01
14698.69  660.0114998.62     66015018.61   661.415258.55  678.1715498.49     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 10799.7     .1511299.55     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       10799.711299.55               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)           759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           759.88    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       1326763.00   88614.45   548385.90
  E.G. Slope (ft/ft)      0.000000   Area (sq ft)            1326763.00   88614.45   548385.90
  Q Total (cfs)           206224.30   Flow (cfs)              136374.60   11600.96   58248.70
  Top Width (ft)          15498.49   Top Width (ft)          10799.70     499.85    4198.94
  Vel Total (ft/s)           0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)        188.88    Hydr. Depth (ft)          122.85     177.28     130.60
  Conv. Total (cfs)       489723200.0   Conv. (cfs)            323850400.0   27548930.0   138323900.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        10847.33     504.03    4268.02
  Min Ch El (ft)           571.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                      1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     1741.26     119.49     702.29
  C & E Loss (ft)            0.00    Cum SA (acres)             12.52       0.58       4.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1214

INPUT
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Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000     571   11100     571   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1326819.00   88640.67   548501.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326819.00   88640.67   548501.70
  Q Total (cfs)           206224.30    Flow (cfs)              136367.50   11603.21   58253.55
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.88    Hydr. Depth (ft)          122.85     177.28     130.60
  Conv. Total (cfs)       489773200.0    Conv. (cfs)            323866600.0   27557100.0   138349500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10847.64     504.18    4269.08
  Min Ch El (ft)            571.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1726.03     118.47     695.99
  C & E Loss (ft)             0.00    Cum SA (acres)             12.39       0.57       4.82


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1211.05*

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.94   11100  570.94   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1326819.00   88658.67   548501.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326819.00   88658.67   548501.70
  Q Total (cfs)           206224.30    Flow (cfs)              136365.10   11606.67   58252.52
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         188.94    Hydr. Depth (ft)          122.85     177.32     130.60
  Conv. Total (cfs)       489782000.0    Conv. (cfs)            323866600.0   27565790.0   138349500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10847.64     504.20    4269.08
  Min Ch El (ft)            570.94    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1636.48     112.49     658.97
  C & E Loss (ft)             0.00    Cum SA (acres)             11.66       0.54       4.54


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1208.11*

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.88   11100  570.88   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
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  W.S. Elev (ft)            759.88    Reach Len. (ft)            2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1326819.00   88676.67   548501.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326819.00   88676.67   548501.70
  Q Total (cfs)           206224.30    Flow (cfs)              136362.70   11610.13   58251.49
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         189.00    Hydr. Depth (ft)          122.85     177.35     130.60
  Conv. Total (cfs)       489790600.0    Conv. (cfs)            323866600.0   27574490.0   138349500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10847.64     504.22    4269.08
  Min Ch El (ft)            570.88    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1546.93     106.50     621.95
  C & E Loss (ft)             0.00    Cum SA (acres)             10.93       0.51       4.25


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1205.17*

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.82   11100  570.82   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1326819.00   88694.67   548501.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326819.00   88694.67   548501.70
  Q Total (cfs)           206224.30    Flow (cfs)              136360.30   11613.58   58250.45
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         189.06    Hydr. Depth (ft)          122.85     177.39     130.60
  Conv. Total (cfs)       489799300.0    Conv. (cfs)            323866600.0   27583190.0   138349500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10847.64     504.24    4269.08
  Min Ch El (ft)            570.82    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1457.38     100.52     584.93
  C & E Loss (ft)             0.00    Cum SA (acres)             10.20       0.47       3.97


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1202.23*

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.76   11100  570.76   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1326819.00   88712.67   548501.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326819.00   88712.67   548501.70
  Q Total (cfs)           206224.30    Flow (cfs)              136357.80   11617.04   58249.42
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         189.12    Hydr. Depth (ft)          122.85     177.43     130.60
  Conv. Total (cfs)       489808000.0    Conv. (cfs)            323866600.0   27591890.0   138349500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10847.64     504.25    4269.08
  Min Ch El (ft)            570.76    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1367.83      94.53     547.91
  C & E Loss (ft)             0.00    Cum SA (acres)              9.48       0.44       3.69


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1199.29*
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INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.71   11100  570.71   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1326819.00   88727.66   548501.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326819.00   88727.66   548501.70
  Q Total (cfs)           206224.30    Flow (cfs)              136355.80   11619.92   58248.56
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.10    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         189.17    Hydr. Depth (ft)          122.85     177.46     130.60
  Conv. Total (cfs)       489815300.0    Conv. (cfs)            323866600.0   27599130.0   138349500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10847.64     504.27    4269.08
  Min Ch El (ft)            570.71    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1278.28      88.54     510.89
  C & E Loss (ft)             0.00    Cum SA (acres)              8.75       0.40       3.40

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1196.35*

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.65   11100  570.65   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1326819.00   88745.66   548501.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326819.00   88745.66   548501.70
  Q Total (cfs)           206224.30    Flow (cfs)              136353.40   11623.37   58247.52
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.10    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         189.23    Hydr. Depth (ft)          122.85     177.49     130.60
  Conv. Total (cfs)       489824000.0    Conv. (cfs)            323866600.0   27607830.0   138349500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10847.64     504.28    4269.08
  Min Ch El (ft)            570.65    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1188.73      82.55     473.87
  C & E Loss (ft)             0.00    Cum SA (acres)              8.02       0.37       3.12

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1193.41*

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.59   11100  570.59   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1
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  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1326819.00   88763.66   548501.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326819.00   88763.66   548501.70
  Q Total (cfs)           206224.30    Flow (cfs)              136351.00   11626.83   58246.49
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.10    Avg. Vel. (ft/s)           0.10       0.13       0.11
  Max Chl Dpth (ft)         189.29    Hydr. Depth (ft)          122.85     177.53     130.60
  Conv. Total (cfs)       489832700.0    Conv. (cfs)            323866600.0   27616530.0   138349500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10847.64     504.30    4269.08
  Min Ch El (ft)            570.59    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    1099.17      76.56     436.85
  C & E Loss (ft)             0.00    Cum SA (acres)             7.29       0.34       2.83


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1190.47*

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.53   11100  570.53   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1326819.00   88781.66   548501.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326819.00   88781.66   548501.70
  Q Total (cfs)           206224.30    Flow (cfs)              136348.60   11630.28   58245.45
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.10    Avg. Vel. (ft/s)           0.10       0.13       0.11
  Max Chl Dpth (ft)         189.35    Hydr. Depth (ft)          122.85     177.56     130.60
  Conv. Total (cfs)       489841400.0    Conv. (cfs)            323866600.0   27625220.0   138349500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10847.64     504.32    4269.08
  Min Ch El (ft)            570.53    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    1009.62      70.57     399.83
  C & E Loss (ft)             0.00    Cum SA (acres)             6.56       0.30       2.55


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1187.52*

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.47   11100  570.47   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1326819.00   88799.68   548501.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326819.00   88799.68   548501.70
  Q Total (cfs)           206224.30    Flow (cfs)              136346.10   11633.74   58244.42
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.10    Avg. Vel. (ft/s)           0.10       0.13       0.11
  Max Chl Dpth (ft)         189.41    Hydr. Depth (ft)          122.85     177.60     130.60
  Conv. Total (cfs)       489850100.0    Conv. (cfs)            323866600.0   27633920.0   138349500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10847.64     504.34    4269.08
  Min Ch El (ft)            570.47    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     920.07      64.58     362.81
  C & E Loss (ft)             0.00    Cum SA (acres)             5.83       0.27       2.27


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 1184.58*

INPUT
Description:
Station Elevation Data     num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.41   11100  570.41   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1326819.00   88817.68   548501.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326819.00   88817.68   548501.70
  Q Total (cfs)           206224.30    Flow (cfs)              136343.70   11637.19   58243.39
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.10    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         189.47    Hydr. Depth (ft)          122.85     177.64     130.60
  Conv. Total (cfs)       489858800.0    Conv. (cfs)             323866600.0   27642620.0   138349500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10847.64     504.35    4269.08
  Min Ch El (ft)            570.41    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      830.52      58.59     325.79
  C & E Loss (ft)             0.00    Cum SA (acres)              5.10       0.24       1.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1181.64*

INPUT
Description:
Station Elevation Data     num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.35   11100  570.35   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1326819.00   88835.68   548501.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326819.00   88835.68   548501.70
  Q Total (cfs)           206224.30    Flow (cfs)              136341.30   11640.65   58242.35
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.10    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         189.53    Hydr. Depth (ft)          122.85     177.67     130.60
  Conv. Total (cfs)       489867500.0    Conv. (cfs)             323866600.0   27651320.0   138349500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10847.64     504.37    4269.08
  Min Ch El (ft)            570.35    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      740.97      52.59     288.77
  C & E Loss (ft)             0.00    Cum SA (acres)              4.37       0.20       1.70


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1178.70*

INPUT
Description:
Station Elevation Data     num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.29   11100  570.29   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10800   11300             2.94    2.94    2.94             .1       .3
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CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1326819.00   88853.68   548501.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326819.00   88853.68   548501.70
  Q Total (cfs)           206224.30    Flow (cfs)              136338.90   11644.10   58241.32
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.10    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         189.59    Hydr. Depth (ft)          122.85     177.71     130.60
  Conv. Total (cfs)       489876200.0    Conv. (cfs)            323866600.0   27660010.0   138349500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10847.64     504.39    4269.08
  Min Ch El (ft)            570.29    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      651.42      46.59     251.75
  C & E Loss (ft)             0.00    Cum SA (acres)              3.64       0.17       1.42

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1175.76*

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.24   11100  570.24   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1326819.00   88868.68   548501.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326819.00   88868.68   548501.70
  Q Total (cfs)           206224.30    Flow (cfs)              136336.90   11646.98   58240.46
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.10    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         189.64    Hydr. Depth (ft)          122.85     177.74     130.60
  Conv. Total (cfs)       489883400.0    Conv. (cfs)            323866600.0   27667250.0   138349500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10847.64     504.40    4269.08
  Min Ch El (ft)            570.24    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      561.87      40.60     214.73
  C & E Loss (ft)             0.00    Cum SA (acres)              2.92       0.13       1.13

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1172.82*

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.18   11100  570.18   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1326819.00   88886.68   548501.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326819.00   88886.68   548501.70
  Q Total (cfs)           206224.30    Flow (cfs)              136334.40   11650.43   58239.42
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.10    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         189.70    Hydr. Depth (ft)          122.85     177.77     130.60
  Conv. Total (cfs)       489892100.0    Conv. (cfs)            323866600.0   27675950.0   138349500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10847.64     504.42    4269.08
  Min Ch El (ft)            570.18    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      472.32      34.60     177.71
  C & E Loss (ft)             0.00    Cum SA (acres)              2.19       0.10       0.85

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 1169.88*

INPUT
Description:
Station Elevation Data     num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.12   11100  570.12   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1326819.00   88904.68   548501.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326819.00   88904.68   548501.70
  Q Total (cfs)           206224.30    Flow (cfs)              136332.00   11653.88   58238.39
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.10    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         189.76    Hydr. Depth (ft)          122.85     177.81     130.60
  Conv. Total (cfs)       489900800.0    Conv. (cfs)            323866600.0   27684640.0   138349500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10847.64     504.44    4269.08
  Min Ch El (ft)            570.12    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      382.77      28.60     140.69
  C & E Loss (ft)             0.00    Cum SA (acres)              1.46       0.07       0.57


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1166.94*

INPUT
Description:
Station Elevation Data     num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.06   11100  570.06   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)             2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1326819.00   88922.68   548501.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326819.00   88922.68   548501.70
  Q Total (cfs)           206224.30    Flow (cfs)              136329.60   11657.33   58237.36
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.10    Avg. Vel. (ft/s)            0.10       0.13       0.11
  Max Chl Dpth (ft)         189.82    Hydr. Depth (ft)          122.85     177.85     130.60
  Conv. Total (cfs)       489909500.0    Conv. (cfs)            323866600.0   27693340.0   138349500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10847.64     504.46    4269.08
  Min Ch El (ft)            570.06    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      293.21      22.60     103.67
  C & E Loss (ft)             0.00    Cum SA (acres)              0.73       0.03       0.28


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1164

INPUT
Description:
Station Elevation Data     num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000     570   11100     570   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
```

```
         10800   11300                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #PF 1

  E.G. Elev (ft)            759.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            759.88    Reach Len. (ft)            10.00      10.00      10.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1326818.00   88940.64   548501.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326818.00   88940.64   548501.40
  Q Total (cfs)           243791.70    Flow (cfs)              161161.60   13785.01   68845.10
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.12    Avg. Vel. (ft/s)            0.12       0.15       0.13
  Max Chl Dpth (ft)         189.88    Hydr. Depth (ft)          122.85     177.88     130.60
  Conv. Total (cfs)       489917700.0    Conv. (cfs)            323866300.0   27702010.0   138349400.0
  Length Wtd. (ft)           10.00    Wetted Per. (ft)        10847.64     504.48    4269.08
  Min Ch El (ft)            570.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      203.66      16.60      66.65
  C & E Loss (ft)             0.01    Cum SA (acres)

Warning: The cross-section end points had to be extended vertically for the computed water surface.


SUMMARY OF MANNING'S N VALUES

River:BRAZOS

      Reach          River Sta.       n1        n2        n3

 UPPER BRAZOS         276887            .15       .15       .15
 UPPER BRAZOS         276884.*          .15       .15       .15
 UPPER BRAZOS         276881.*          .15       .15       .15
 UPPER BRAZOS         276878.*          .15       .15       .15
 UPPER BRAZOS         276875.*          .15       .15       .15
 UPPER BRAZOS         276872.*          .15       .15       .15
 UPPER BRAZOS         276869.*          .15       .15       .15
 UPPER BRAZOS         276866.*          .15       .15       .15
 UPPER BRAZOS         276863.*          .15       .15       .15
 UPPER BRAZOS         276860.*          .15       .15       .15
 UPPER BRAZOS         276857.*          .15       .15       .15
 UPPER BRAZOS         276854.*          .15       .15       .15
 UPPER BRAZOS         276852.*          .15       .15       .15
 UPPER BRAZOS         276849.*          .15       .15       .15
 UPPER BRAZOS         276846.*          .15       .15       .15
 UPPER BRAZOS         276843.*          .15       .15       .15
 UPPER BRAZOS         276840.*          .15       .15       .15
 UPPER BRAZOS         276837.*          .15       .15       .15
 UPPER BRAZOS         276834.*          .15       .15       .15
 UPPER BRAZOS         276831.*          .15       .15       .15
 UPPER BRAZOS         276828.*          .15       .15       .15
 UPPER BRAZOS         276825.*          .15       .15       .15
 UPPER BRAZOS         276822.*          .15       .15       .15
 UPPER BRAZOS         276819.*          .15       .15       .15
 UPPER BRAZOS         276817.*          .15       .15       .15
 UPPER BRAZOS         276814.*          .15       .15       .15
 UPPER BRAZOS         276811.*          .15       .15       .15
 UPPER BRAZOS         276808.*          .15       .15       .15
 UPPER BRAZOS         276805.*          .15       .15       .15
 UPPER BRAZOS         276802.*          .15       .15       .15
 UPPER BRAZOS         276799.*          .15       .15       .15
 UPPER BRAZOS         276796.*          .15       .15       .15
 UPPER BRAZOS         276793.*          .15       .15       .15
 UPPER BRAZOS         276790.*          .15       .15       .15
 UPPER BRAZOS         276787.*          .15       .15       .15
 UPPER BRAZOS         276784.*          .15       .15       .15
 UPPER BRAZOS         276781.*          .15       .15       .15
 UPPER BRAZOS         276779.*          .15       .15       .15
 UPPER BRAZOS         276776.*          .15       .15       .15
 UPPER BRAZOS         276773.*          .15       .15       .15
 UPPER BRAZOS         276770.*          .15       .15       .15
 UPPER BRAZOS         276767.*          .15       .15       .15
 UPPER BRAZOS         276764.*          .15       .15       .15
 UPPER BRAZOS         276761.*          .15       .15       .15
 UPPER BRAZOS         276758.*          .15       .15       .15
 UPPER BRAZOS         276755.*          .15       .15       .15
 UPPER BRAZOS         276752.*          .15       .15       .15
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 UPPER BRAZOS         276746.*          .15       .15       .15
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 UPPER BRAZOS         276738.*          .15       .15       .15
 UPPER BRAZOS         276735.*          .15       .15       .15
 UPPER BRAZOS         276732.*          .15       .15       .15
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 UPPER BRAZOS         276726.*          .15       .15       .15
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 UPPER BRAZOS         276711.*          .15       .15       .15
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 UPPER BRAZOS         276653.*          .15       .15       .15
 UPPER BRAZOS         276650.*          .15       .15       .15
 UPPER BRAZOS         276647.*          .15       .15       .15
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UPPER BRAZOS	276195.*	.15	.15	.15
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UPPER BRAZOS	276119.*	.15	.15	.15
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UPPER BRAZOS	276113.*	.15	.15	.15
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UPPER BRAZOS	276099.*	.15	.15	.15
UPPER BRAZOS	276096.*	.15	.15	.15
UPPER BRAZOS	276093.*	.15	.15	.15
UPPER BRAZOS	276090.*	.15	.15	.15
UPPER BRAZOS	276087.*	.15	.15	.15
UPPER BRAZOS	276084.*	.15	.15	.15
UPPER BRAZOS	276081.*	.15	.15	.15
UPPER BRAZOS	276078.*	.15	.15	.15
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UPPER BRAZOS	276072.*	.15	.15	.15
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UPPER BRAZOS	276067.*	.15	.15	.15
UPPER BRAZOS	276064.*	.15	.15	.15
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UPPER BRAZOS	276055.*	.15	.15	.15
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UPPER BRAZOS	276023.*	.15	.15	.15
UPPER BRAZOS	276020.*	.15	.15	.15
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UPPER BRAZOS	273971.*	.15	.15	.15
UPPER BRAZOS	273969	.15	.15	.15

River:BRAZOS RIVER

Reach	River Sta.	n1	n2	n3
LOWER BRAZOS	268430	.15	.15	.15
LOWER BRAZOS	268425.*	.15	.15	.15
LOWER BRAZOS	268420.*	.15	.15	.15
LOWER BRAZOS	268415.*	.15	.15	.15
LOWER BRAZOS	268410.*	.15	.15	.15
LOWER BRAZOS	268405.*	.15	.15	.15
LOWER BRAZOS	268400.*	.15	.15	.15
LOWER BRAZOS	268395.*	.15	.15	.15
LOWER BRAZOS	268390.*	.15	.15	.15
LOWER BRAZOS	268385.*	.15	.15	.15
LOWER BRAZOS	268380.*	.15	.15	.15
LOWER BRAZOS	268375.*	.15	.15	.15
LOWER BRAZOS	268370.*	.15	.15	.15
LOWER BRAZOS	268365.*	.15	.15	.15
LOWER BRAZOS	268360.*	.15	.15	.15
LOWER BRAZOS	268355.*	.15	.15	.15
LOWER BRAZOS	268350.*	.15	.15	.15
LOWER BRAZOS	268345.*	.15	.15	.15
LOWER BRAZOS	268340.*	.15	.15	.15
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LOWER BRAZOS	266452.*	.15	.15	.15
LOWER BRAZOS	266447.*	.15	.15	.15
LOWER BRAZOS	266442.*	.15	.15	.15
LOWER BRAZOS	266437.*	.15	.15	.15
LOWER BRAZOS	266432.*	.15	.15	.15
LOWER BRAZOS	266427.*	.15	.15	.15
LOWER BRAZOS	266422.*	.15	.15	.15
LOWER BRAZOS	266417.*	.15	.15	.15
LOWER BRAZOS	266412.*	.15	.15	.15
LOWER BRAZOS	266407.*	.15	.15	.15
LOWER BRAZOS	266402.*	.15	.15	.15
LOWER BRAZOS	266397.*	.15	.15	.15
LOWER BRAZOS	266392.*	.15	.15	.15
LOWER BRAZOS	266387.*	.15	.15	.15
LOWER BRAZOS	266382.*	.15	.15	.15
LOWER BRAZOS	266377.*	.15	.15	.15
LOWER BRAZOS	266372.*	.15	.15	.15
LOWER BRAZOS	266367.*	.15	.15	.15
LOWER BRAZOS	266362.*	.15	.15	.15
LOWER BRAZOS	266357.*	.15	.15	.15
LOWER BRAZOS	266352.*	.15	.15	.15
LOWER BRAZOS	266347.*	.15	.15	.15
LOWER BRAZOS	266342.*	.15	.15	.15
LOWER BRAZOS	266337.*	.15	.15	.15
LOWER BRAZOS	266333.*	.15	.15	.15
LOWER BRAZOS	266328.*	.15	.15	.15
LOWER BRAZOS	266323.*	.15	.15	.15
LOWER BRAZOS	266318.*	.15	.15	.15
LOWER BRAZOS	266313.*	.15	.15	.15
LOWER BRAZOS	266308.*	.15	.15	.15
LOWER BRAZOS	266303.*	.15	.15	.15
LOWER BRAZOS	266298	.15	.15	.15

River:PALUXY

Reach	River Sta.	n1	n2	n3
PALUXY RIVER	25092	.15	.15	.15
PALUXY RIVER	22745	.15	.15	.15
PALUXY RIVER	22735.0*	.15	.15	.15
PALUXY RIVER	22725.0*	.15	.15	.15
PALUXY RIVER	22715.0*	.15	.15	.15
PALUXY RIVER	22705.0*	.15	.15	.15
PALUXY RIVER	22695.0*	.15	.15	.15
PALUXY RIVER	22685.0*	.15	.15	.15
PALUXY RIVER	22675.0*	.15	.15	.15
PALUXY RIVER	22665.0*	.15	.15	.15

PALUXY RIVER	22655.1*	.15	.15	.15
PALUXY RIVER	22645.1*	.15	.15	.15
PALUXY RIVER	22635.1*	.15	.15	.15
PALUXY RIVER	22625.1*	.15	.15	.15
PALUXY RIVER	22615.1*	.15	.15	.15
PALUXY RIVER	22605.1*	.15	.15	.15
PALUXY RIVER	22595.1*	.15	.15	.15
PALUXY RIVER	22585.1*	.15	.15	.15
PALUXY RIVER	22575.2*	.15	.15	.15
PALUXY RIVER	22565.2*	.15	.15	.15
PALUXY RIVER	22555.2*	.15	.15	.15
PALUXY RIVER	22545.2*	.15	.15	.15
PALUXY RIVER	22535.2*	.15	.15	.15
PALUXY RIVER	22525.2*	.15	.15	.15
PALUXY RIVER	22515.2*	.15	.15	.15
PALUXY RIVER	22505.2*	.15	.15	.15
PALUXY RIVER	22495.2*	.15	.15	.15
PALUXY RIVER	22485.3*	.15	.15	.15
PALUXY RIVER	22475.3*	.15	.15	.15
PALUXY RIVER	22465.3*	.15	.15	.15
PALUXY RIVER	22455.3*	.15	.15	.15
PALUXY RIVER	22445.3*	.15	.15	.15
PALUXY RIVER	22435.3*	.15	.15	.15
PALUXY RIVER	22425.3*	.15	.15	.15
PALUXY RIVER	22415.3*	.15	.15	.15
PALUXY RIVER	22405.4*	.15	.15	.15
PALUXY RIVER	22395.4*	.15	.15	.15
PALUXY RIVER	22385.4*	.15	.15	.15
PALUXY RIVER	22375.4*	.15	.15	.15
PALUXY RIVER	22365.4*	.15	.15	.15
PALUXY RIVER	22355.4*	.15	.15	.15
PALUXY RIVER	22345.4*	.15	.15	.15
PALUXY RIVER	22335.4*	.15	.15	.15
PALUXY RIVER	22325.4*	.15	.15	.15
PALUXY RIVER	22315.5*	.15	.15	.15
PALUXY RIVER	22305.5*	.15	.15	.15
PALUXY RIVER	22295.5*	.15	.15	.15
PALUXY RIVER	22285.5*	.15	.15	.15
PALUXY RIVER	22275.5*	.15	.15	.15
PALUXY RIVER	22265.5*	.15	.15	.15
PALUXY RIVER	22255.5*	.15	.15	.15
PALUXY RIVER	22245.5*	.15	.15	.15
PALUXY RIVER	22235.6*	.15	.15	.15
PALUXY RIVER	22225.6*	.15	.15	.15
PALUXY RIVER	22215.6*	.15	.15	.15
PALUXY RIVER	22205.6*	.15	.15	.15
PALUXY RIVER	22195.6*	.15	.15	.15
PALUXY RIVER	22185.6*	.15	.15	.15
PALUXY RIVER	22175.6*	.15	.15	.15
PALUXY RIVER	22165.6*	.15	.15	.15
PALUXY RIVER	22155.6*	.15	.15	.15
PALUXY RIVER	22145.7*	.15	.15	.15
PALUXY RIVER	22135.7*	.15	.15	.15
PALUXY RIVER	22125.7*	.15	.15	.15
PALUXY RIVER	22115.7*	.15	.15	.15
PALUXY RIVER	22105.7*	.15	.15	.15
PALUXY RIVER	22095.7*	.15	.15	.15
PALUXY RIVER	22085.7*	.15	.15	.15
PALUXY RIVER	22075.7*	.15	.15	.15
PALUXY RIVER	22065.8*	.15	.15	.15
PALUXY RIVER	22055.8*	.15	.15	.15
PALUXY RIVER	22045.8*	.15	.15	.15
PALUXY RIVER	22035.8*	.15	.15	.15
PALUXY RIVER	22025.8*	.15	.15	.15
PALUXY RIVER	22015.8*	.15	.15	.15
PALUXY RIVER	22005.8*	.15	.15	.15
PALUXY RIVER	21995.8*	.15	.15	.15
PALUXY RIVER	21985.8*	.15	.15	.15
PALUXY RIVER	21975.9*	.15	.15	.15
PALUXY RIVER	21965.9*	.15	.15	.15
PALUXY RIVER	21955.9*	.15	.15	.15
PALUXY RIVER	21945.9*	.15	.15	.15
PALUXY RIVER	21935.9*	.15	.15	.15
PALUXY RIVER	21925.9*	.15	.15	.15
PALUXY RIVER	21915.9*	.15	.15	.15
PALUXY RIVER	21905.9*	.15	.15	.15
PALUXY RIVER	21896.*	.15	.15	.15
PALUXY RIVER	21886.0*	.15	.15	.15
PALUXY RIVER	21876.0*	.15	.15	.15
PALUXY RIVER	21866.0*	.15	.15	.15
PALUXY RIVER	21856.0*	.15	.15	.15
PALUXY RIVER	21846.0*	.15	.15	.15
PALUXY RIVER	21836.0*	.15	.15	.15
PALUXY RIVER	21826.0*	.15	.15	.15
PALUXY RIVER	21816.1*	.15	.15	.15
PALUXY RIVER	21806.1*	.15	.15	.15
PALUXY RIVER	21796.1*	.15	.15	.15
PALUXY RIVER	21786.1*	.15	.15	.15
PALUXY RIVER	21776.1*	.15	.15	.15
PALUXY RIVER	21766.1*	.15	.15	.15
PALUXY RIVER	21756.1*	.15	.15	.15
PALUXY RIVER	21746.1*	.15	.15	.15
PALUXY RIVER	21736.1*	.15	.15	.15
PALUXY RIVER	21726.2*	.15	.15	.15
PALUXY RIVER	21716.2*	.15	.15	.15
PALUXY RIVER	21706.2*	.15	.15	.15
PALUXY RIVER	21696.2*	.15	.15	.15
PALUXY RIVER	21686.2*	.15	.15	.15
PALUXY RIVER	21676.2*	.15	.15	.15
PALUXY RIVER	21666.2*	.15	.15	.15
PALUXY RIVER	21656.2*	.15	.15	.15
PALUXY RIVER	21646.2*	.15	.15	.15
PALUXY RIVER	21636.3*	.15	.15	.15
PALUXY RIVER	21626.3*	.15	.15	.15
PALUXY RIVER	21616.3*	.15	.15	.15
PALUXY RIVER	21606.3*	.15	.15	.15
PALUXY RIVER	21596.3*	.15	.15	.15
PALUXY RIVER	21586.3*	.15	.15	.15
PALUXY RIVER	21576.3*	.15	.15	.15
PALUXY RIVER	21566.3*	.15	.15	.15
PALUXY RIVER	21556.4*	.15	.15	.15
PALUXY RIVER	21546.4*	.15	.15	.15
PALUXY RIVER	21536.4*	.15	.15	.15
PALUXY RIVER	21526.4*	.15	.15	.15

PALUXY RIVER	21516.4*	.15	.15	.15
PALUXY RIVER	21506.4*	.15	.15	.15
PALUXY RIVER	21496.4*	.15	.15	.15
PALUXY RIVER	21486.4*	.15	.15	.15
PALUXY RIVER	21476.5*	.15	.15	.15
PALUXY RIVER	21466.5*	.15	.15	.15
PALUXY RIVER	21456.5*	.15	.15	.15
PALUXY RIVER	21446.5*	.15	.15	.15
PALUXY RIVER	21436.5*	.15	.15	.15
PALUXY RIVER	21426.5*	.15	.15	.15
PALUXY RIVER	21416.5*	.15	.15	.15
PALUXY RIVER	21406.5*	.15	.15	.15
PALUXY RIVER	21396.5*	.15	.15	.15
PALUXY RIVER	21386.6*	.15	.15	.15
PALUXY RIVER	21376.6*	.15	.15	.15
PALUXY RIVER	21366.6*	.15	.15	.15
PALUXY RIVER	21356.6*	.15	.15	.15
PALUXY RIVER	21346.6*	.15	.15	.15
PALUXY RIVER	21336.6*	.15	.15	.15
PALUXY RIVER	21326.6*	.15	.15	.15
PALUXY RIVER	21316.6*	.15	.15	.15
PALUXY RIVER	21306.7*	.15	.15	.15
PALUXY RIVER	21296.7*	.15	.15	.15
PALUXY RIVER	21286.7*	.15	.15	.15
PALUXY RIVER	21276.7*	.15	.15	.15
PALUXY RIVER	21266.7*	.15	.15	.15
PALUXY RIVER	21256.7*	.15	.15	.15
PALUXY RIVER	21246.7*	.15	.15	.15
PALUXY RIVER	21236.7*	.15	.15	.15
PALUXY RIVER	21226.7*	.15	.15	.15
PALUXY RIVER	21216.8*	.15	.15	.15
PALUXY RIVER	21206.8*	.15	.15	.15
PALUXY RIVER	21196.8*	.15	.15	.15
PALUXY RIVER	21186.8*	.15	.15	.15
PALUXY RIVER	21176.8*	.15	.15	.15
PALUXY RIVER	21166.8*	.15	.15	.15
PALUXY RIVER	21156.8*	.15	.15	.15
PALUXY RIVER	21146.8*	.15	.15	.15
PALUXY RIVER	21136.9*	.15	.15	.15
PALUXY RIVER	21126.9*	.15	.15	.15
PALUXY RIVER	21116.9*	.15	.15	.15
PALUXY RIVER	21106.9*	.15	.15	.15
PALUXY RIVER	21096.9*	.15	.15	.15
PALUXY RIVER	21086.9*	.15	.15	.15
PALUXY RIVER	21076.9*	.15	.15	.15
PALUXY RIVER	21066.9*	.15	.15	.15
PALUXY RIVER	21056.9*	.15	.15	.15
PALUXY RIVER	21047	.15	.15	.15
PALUXY RIVER	20951.6*	.15	.15	.15
PALUXY RIVER	20856.3*	.15	.15	.15
PALUXY RIVER	20761.*	.15	.15	.15
PALUXY RIVER	20665.6*	.15	.15	.15
PALUXY RIVER	20570.3*	.15	.15	.15
PALUXY RIVER	20475.*	.15	.15	.15
PALUXY RIVER	20379.6*	.15	.15	.15
PALUXY RIVER	20284.3*	.15	.15	.15
PALUXY RIVER	20189.*	.15	.15	.15
PALUXY RIVER	20093.6*	.15	.15	.15
PALUXY RIVER	19998.3*	.15	.15	.15
PALUXY RIVER	19903.*	.15	.15	.15
PALUXY RIVER	19807.6*	.15	.15	.15
PALUXY RIVER	19712.3*	.15	.15	.15
PALUXY RIVER	19617.*	.15	.15	.15
PALUXY RIVER	19521.6*	.15	.15	.15
PALUXY RIVER	19426.3*	.15	.15	.15
PALUXY RIVER	19331	.15	.15	.15
PALUXY RIVER	17277	.15	.15	.15
PALUXY RIVER	15741	.15	.15	.15
PALUXY RIVER	14471	.15	.15	.15
PALUXY RIVER	14325.1*	.15	.15	.15
PALUXY RIVER	14179.2*	.15	.15	.15
PALUXY RIVER	14033.4*	.15	.15	.15
PALUXY RIVER	13887.5*	.15	.15	.15
PALUXY RIVER	13741.7*	.15	.15	.15
PALUXY RIVER	13595.8*	.15	.15	.15
PALUXY RIVER	13450	.15	.15	.15
PALUXY RIVER	12129	.15	.15	.15
PALUXY RIVER	11391	.15	.15	.15
PALUXY RIVER	11341.3*	.15	.15	.15
PALUXY RIVER	11291.6*	.15	.15	.15
PALUXY RIVER	11241.9*	.15	.15	.15
PALUXY RIVER	11192.2*	.15	.15	.15
PALUXY RIVER	11142.6*	.15	.15	.15
PALUXY RIVER	11092.9*	.15	.15	.15
PALUXY RIVER	11043.2*	.15	.15	.15
PALUXY RIVER	10993.5*	.15	.15	.15
PALUXY RIVER	10943.8*	.15	.15	.15
PALUXY RIVER	10894.2*	.15	.15	.15
PALUXY RIVER	10844.5*	.15	.15	.15
PALUXY RIVER	10794.8*	.15	.15	.15
PALUXY RIVER	10745.1*	.15	.15	.15
PALUXY RIVER	10695.4*	.15	.15	.15
PALUXY RIVER	10645.8*	.15	.15	.15
PALUXY RIVER	10596.1*	.15	.15	.15
PALUXY RIVER	10546.4*	.15	.15	.15
PALUXY RIVER	10496.7*	.15	.15	.15
PALUXY RIVER	10447.0*	.15	.15	.15
PALUXY RIVER	10397.4*	.15	.15	.15
PALUXY RIVER	10347.7*	.15	.15	.15
PALUXY RIVER	10298.0*	.15	.15	.15
PALUXY RIVER	10248.3*	.15	.15	.15
PALUXY RIVER	10198.6*	.15	.15	.15
PALUXY RIVER	10149.*	.15	.15	.15
PALUXY RIVER	10099.3*	.15	.15	.15
PALUXY RIVER	10049.6*	.15	.15	.15
PALUXY RIVER	9999.96*	.15	.15	.15
PALUXY RIVER	9950.28*	.15	.15	.15
PALUXY RIVER	9900.6*	.15	.15	.15
PALUXY RIVER	9850.92*	.15	.15	.15
PALUXY RIVER	9801.24*	.15	.15	.15
PALUXY RIVER	9751.56*	.15	.15	.15
PALUXY RIVER	9701.88*	.15	.15	.15
PALUXY RIVER	9652.2*	.15	.15	.15
PALUXY RIVER	9602.52*	.15	.15	.15

PALUXY RIVER	9552.84*	.15	.15	.15
PALUXY RIVER	9503.16*	.15	.15	.15
PALUXY RIVER	9453.48*	.15	.15	.15
PALUXY RIVER	9403.8*	.15	.15	.15
PALUXY RIVER	9354.12*	.15	.15	.15
PALUXY RIVER	9304.43*	.15	.15	.15
PALUXY RIVER	9254.76*	.15	.15	.15
PALUXY RIVER	9205.08*	.15	.15	.15
PALUXY RIVER	9155.4*	.15	.15	.15
PALUXY RIVER	9105.72*	.15	.15	.15
PALUXY RIVER	9056.04*	.15	.15	.15
PALUXY RIVER	9006.36*	.15	.15	.15
PALUXY RIVER	8956.68*	.15	.15	.15
PALUXY RIVER	8907	.15	.15	.15
PALUXY RIVER	8861.14*	.15	.15	.15
PALUXY RIVER	8815.28*	.15	.15	.15
PALUXY RIVER	8769.42*	.15	.15	.15
PALUXY RIVER	8723.57*	.15	.15	.15
PALUXY RIVER	8677.71*	.15	.15	.15
PALUXY RIVER	8631.85*	.15	.15	.15
PALUXY RIVER	8586.*	.15	.15	.15
PALUXY RIVER	8540.14*	.15	.15	.15
PALUXY RIVER	8494.28*	.15	.15	.15
PALUXY RIVER	8448.42*	.15	.15	.15
PALUXY RIVER	8402.57*	.15	.15	.15
PALUXY RIVER	8356.71*	.15	.15	.15
PALUXY RIVER	8310.85*	.15	.15	.15
PALUXY RIVER	8265.*	.15	.15	.15
PALUXY RIVER	8219.14*	.15	.15	.15
PALUXY RIVER	8173.28*	.15	.15	.15
PALUXY RIVER	8127.42*	.15	.15	.15
PALUXY RIVER	8081.57*	.15	.15	.15
PALUXY RIVER	8035.71*	.15	.15	.15
PALUXY RIVER	7989.85*	.15	.15	.15
PALUXY RIVER	7944	.15	.15	.15
PALUXY RIVER	7080	.15	.15	.15
PALUXY RIVER	7065.01*	.15	.15	.15
PALUXY RIVER	7050.03*	.15	.15	.15
PALUXY RIVER	7035.04*	.15	.15	.15
PALUXY RIVER	7020.06*	.15	.15	.15
PALUXY RIVER	7005.07*	.15	.15	.15
PALUXY RIVER	6990.09*	.15	.15	.15
PALUXY RIVER	6975.10*	.15	.15	.15
PALUXY RIVER	6960.12*	.15	.15	.15
PALUXY RIVER	6945.13*	.15	.15	.15
PALUXY RIVER	6930.15*	.15	.15	.15
PALUXY RIVER	6915.16*	.15	.15	.15
PALUXY RIVER	6900.18*	.15	.15	.15
PALUXY RIVER	6885.19*	.15	.15	.15
PALUXY RIVER	6870.21*	.15	.15	.15
PALUXY RIVER	6855.22*	.15	.15	.15
PALUXY RIVER	6840.24*	.15	.15	.15
PALUXY RIVER	6825.25*	.15	.15	.15
PALUXY RIVER	6810.27*	.15	.15	.15
PALUXY RIVER	6795.28*	.15	.15	.15
PALUXY RIVER	6780.30*	.15	.15	.15
PALUXY RIVER	6765.31*	.15	.15	.15
PALUXY RIVER	6750.33*	.15	.15	.15
PALUXY RIVER	6735.34*	.15	.15	.15
PALUXY RIVER	6720.36*	.15	.15	.15
PALUXY RIVER	6705.37*	.15	.15	.15
PALUXY RIVER	6690.39*	.15	.15	.15
PALUXY RIVER	6675.40*	.15	.15	.15
PALUXY RIVER	6660.42*	.15	.15	.15
PALUXY RIVER	6645.43*	.15	.15	.15
PALUXY RIVER	6630.45*	.15	.15	.15
PALUXY RIVER	6615.47*	.15	.15	.15
PALUXY RIVER	6600.48*	.15	.15	.15
PALUXY RIVER	6585.5*	.15	.15	.15
PALUXY RIVER	6570.51*	.15	.15	.15
PALUXY RIVER	6555.53*	.15	.15	.15
PALUXY RIVER	6540.54*	.15	.15	.15
PALUXY RIVER	6525.56*	.15	.15	.15
PALUXY RIVER	6510.57*	.15	.15	.15
PALUXY RIVER	6495.59*	.15	.15	.15
PALUXY RIVER	6480.60*	.15	.15	.15
PALUXY RIVER	6465.62*	.15	.15	.15
PALUXY RIVER	6450.63*	.15	.15	.15
PALUXY RIVER	6435.65*	.15	.15	.15
PALUXY RIVER	6420.66*	.15	.15	.15
PALUXY RIVER	6405.68*	.15	.15	.15
PALUXY RIVER	6390.69*	.15	.15	.15
PALUXY RIVER	6375.71*	.15	.15	.15
PALUXY RIVER	6360.72*	.15	.15	.15
PALUXY RIVER	6345.74*	.15	.15	.15
PALUXY RIVER	6330.75*	.15	.15	.15
PALUXY RIVER	6315.77*	.15	.15	.15
PALUXY RIVER	6300.78*	.15	.15	.15
PALUXY RIVER	6285.80*	.15	.15	.15
PALUXY RIVER	6270.81*	.15	.15	.15
PALUXY RIVER	6255.83*	.15	.15	.15
PALUXY RIVER	6240.84*	.15	.15	.15
PALUXY RIVER	6225.86*	.15	.15	.15
PALUXY RIVER	6210.87*	.15	.15	.15
PALUXY RIVER	6195.89*	.15	.15	.15
PALUXY RIVER	6180.91*	.15	.15	.15
PALUXY RIVER	6165.92*	.15	.15	.15
PALUXY RIVER	6150.94*	.15	.15	.15
PALUXY RIVER	6135.95*	.15	.15	.15
PALUXY RIVER	6120.97*	.15	.15	.15
PALUXY RIVER	6105.98*	.15	.15	.15
PALUXY RIVER	6091.00*	.15	.15	.15
PALUXY RIVER	6076.01*	.15	.15	.15
PALUXY RIVER	6061.03*	.15	.15	.15
PALUXY RIVER	6046.04*	.15	.15	.15
PALUXY RIVER	6031.06*	.15	.15	.15
PALUXY RIVER	6016.07*	.15	.15	.15
PALUXY RIVER	6001.09*	.15	.15	.15
PALUXY RIVER	5986.10*	.15	.15	.15
PALUXY RIVER	5971.12*	.15	.15	.15
PALUXY RIVER	5956.13*	.15	.15	.15
PALUXY RIVER	5941.15*	.15	.15	.15
PALUXY RIVER	5926.16*	.15	.15	.15
PALUXY RIVER	5911.18*	.15	.15	.15

PALUXY RIVER	5896.19*	.15	.15	.15
PALUXY RIVER	5881.21*	.15	.15	.15
PALUXY RIVER	5866.22*	.15	.15	.15
PALUXY RIVER	5851.24*	.15	.15	.15
PALUXY RIVER	5836.25*	.15	.15	.15
PALUXY RIVER	5821.27*	.15	.15	.15
PALUXY RIVER	5806.29*	.15	.15	.15
PALUXY RIVER	5791.30*	.15	.15	.15
PALUXY RIVER	5776.32*	.15	.15	.15
PALUXY RIVER	5761.33*	.15	.15	.15
PALUXY RIVER	5746.35*	.15	.15	.15
PALUXY RIVER	5731.36*	.15	.15	.15
PALUXY RIVER	5716.38*	.15	.15	.15
PALUXY RIVER	5701.39*	.15	.15	.15
PALUXY RIVER	5686.41*	.15	.15	.15
PALUXY RIVER	5671.42*	.15	.15	.15
PALUXY RIVER	5656.44*	.15	.15	.15
PALUXY RIVER	5641.45*	.15	.15	.15
PALUXY RIVER	5626.47*	.15	.15	.15
PALUXY RIVER	5611.48*	.15	.15	.15
PALUXY RIVER	5596.50*	.15	.15	.15
PALUXY RIVER	5581.51*	.15	.15	.15
PALUXY RIVER	5566.53*	.15	.15	.15
PALUXY RIVER	5551.54*	.15	.15	.15
PALUXY RIVER	5536.56*	.15	.15	.15
PALUXY RIVER	5521.57*	.15	.15	.15
PALUXY RIVER	5506.59*	.15	.15	.15
PALUXY RIVER	5491.60*	.15	.15	.15
PALUXY RIVER	5476.62*	.15	.15	.15
PALUXY RIVER	5461.63*	.15	.15	.15
PALUXY RIVER	5446.65*	.15	.15	.15
PALUXY RIVER	5431.66*	.15	.15	.15
PALUXY RIVER	5416.68*	.15	.15	.15
PALUXY RIVER	5401.69*	.15	.15	.15
PALUXY RIVER	5386.71*	.15	.15	.15
PALUXY RIVER	5371.72*	.15	.15	.15
PALUXY RIVER	5356.74*	.15	.15	.15
PALUXY RIVER	5341.76*	.15	.15	.15
PALUXY RIVER	5326.77*	.15	.15	.15
PALUXY RIVER	5311.79*	.15	.15	.15
PALUXY RIVER	5296.80*	.15	.15	.15
PALUXY RIVER	5281.82*	.15	.15	.15
PALUXY RIVER	5266.83*	.15	.15	.15
PALUXY RIVER	5251.85*	.15	.15	.15
PALUXY RIVER	5236.86*	.15	.15	.15
PALUXY RIVER	5221.88*	.15	.15	.15
PALUXY RIVER	5206.89*	.15	.15	.15
PALUXY RIVER	5191.91*	.15	.15	.15
PALUXY RIVER	5176.92*	.15	.15	.15
PALUXY RIVER	5161.94*	.15	.15	.15
PALUXY RIVER	5146.95*	.15	.15	.15
PALUXY RIVER	5131.97*	.15	.15	.15
PALUXY RIVER	5116.98*	.15	.15	.15
PALUXY RIVER	5102	.15	.15	.15
LOWER PALUXY	3838	.15	.15	.15
LOWER PALUXY	3739.53*	.15	.15	.15
LOWER PALUXY	3641.07*	.15	.15	.15
LOWER PALUXY	3542.61*	.15	.15	.15
LOWER PALUXY	3444.15*	.15	.15	.15
LOWER PALUXY	3345.69*	.15	.15	.15
LOWER PALUXY	3247.23*	.15	.15	.15
LOWER PALUXY	3148.76*	.15	.15	.15
LOWER PALUXY	3050.30*	.15	.15	.15
LOWER PALUXY	2951.84*	.15	.15	.15
LOWER PALUXY	2853.38*	.15	.15	.15
LOWER PALUXY	2754.92*	.15	.15	.15
LOWER PALUXY	2656.46*	.15	.15	.15
LOWER PALUXY	2558	.15	.15	.15
LOWER PALUXY	2533.24*	.15	.15	.15
LOWER PALUXY	2508.48*	.15	.15	.15
LOWER PALUXY	2483.72*	.15	.15	.15
LOWER PALUXY	2458.97*	.15	.15	.15
LOWER PALUXY	2434.21*	.15	.15	.15
LOWER PALUXY	2409.45*	.15	.15	.15
LOWER PALUXY	2384.69*	.15	.15	.15
LOWER PALUXY	2359.93*	.15	.15	.15
LOWER PALUXY	2335.18*	.15	.15	.15
LOWER PALUXY	2310.42*	.15	.15	.15
LOWER PALUXY	2285.66*	.15	.15	.15
LOWER PALUXY	2260.90*	.15	.15	.15
LOWER PALUXY	2236.15*	.15	.15	.15
LOWER PALUXY	2211.39*	.15	.15	.15
LOWER PALUXY	2186.63*	.15	.15	.15
LOWER PALUXY	2161.87*	.15	.15	.15
LOWER PALUXY	2137.12*	.15	.15	.15
LOWER PALUXY	2112.36*	.15	.15	.15
LOWER PALUXY	2087.60*	.15	.15	.15
LOWER PALUXY	2062.84*	.15	.15	.15
LOWER PALUXY	2038.09*	.15	.15	.15
LOWER PALUXY	2013.33*	.15	.15	.15
LOWER PALUXY	1988.57*	.15	.15	.15
LOWER PALUXY	1963.81*	.15	.15	.15
LOWER PALUXY	1939.06*	.15	.15	.15
LOWER PALUXY	1914.30*	.15	.15	.15
LOWER PALUXY	1889.54*	.15	.15	.15
LOWER PALUXY	1864.78*	.15	.15	.15
LOWER PALUXY	1840.03*	.15	.15	.15
LOWER PALUXY	1815.27*	.15	.15	.15
LOWER PALUXY	1790.51*	.15	.15	.15
LOWER PALUXY	1765.75*	.15	.15	.15
LOWER PALUXY	1741.*	.15	.15	.15
LOWER PALUXY	1716.24*	.15	.15	.15
LOWER PALUXY	1691.48*	.15	.15	.15
LOWER PALUXY	1666.72*	.15	.15	.15
LOWER PALUXY	1641.97*	.15	.15	.15
LOWER PALUXY	1617.21*	.15	.15	.15
LOWER PALUXY	1592.45*	.15	.15	.15
LOWER PALUXY	1567.69*	.15	.15	.15
LOWER PALUXY	1542.94*	.15	.15	.15
LOWER PALUXY	1518.18*	.15	.15	.15
LOWER PALUXY	1493.42*	.15	.15	.15
LOWER PALUXY	1468.66*	.15	.15	.15
LOWER PALUXY	1443.91*	.15	.15	.15
LOWER PALUXY	1419.15*	.15	.15	.15

LOWER PALUXY	1394.39*	.15	.15	.15
LOWER PALUXY	1369.63*	.15	.15	.15
LOWER PALUXY	1344.87*	.15	.15	.15
LOWER PALUXY	1320.12*	.15	.15	.15
LOWER PALUXY	1295.36*	.15	.15	.15
LOWER PALUXY	1270.60*	.15	.15	.15
LOWER PALUXY	1245.84*	.15	.15	.15
LOWER PALUXY	1221.09*	.15	.15	.15
LOWER PALUXY	1196.33*	.15	.15	.15
LOWER PALUXY	1171.57*	.15	.15	.15
LOWER PALUXY	1146.81*	.15	.15	.15
LOWER PALUXY	1122.06*	.15	.15	.15
LOWER PALUXY	1097.30*	.15	.15	.15
LOWER PALUXY	1072.54*	.15	.15	.15
LOWER PALUXY	1047.78*	.15	.15	.15
LOWER PALUXY	1023.03*	.15	.15	.15
LOWER PALUXY	998.273*	.15	.15	.15
LOWER PALUXY	973.516*	.15	.15	.15
LOWER PALUXY	948.758*	.15	.15	.15
LOWER PALUXY	924	.15	.15	.15
LOWER PALUXY	921.058*	.15	.15	.15
LOWER PALUXY	918.117*	.15	.15	.15
LOWER PALUXY	915.176*	.15	.15	.15
LOWER PALUXY	912.235*	.15	.15	.15
LOWER PALUXY	909.294*	.15	.15	.15
LOWER PALUXY	906.353*	.15	.15	.15
LOWER PALUXY	903.411*	.15	.15	.15
LOWER PALUXY	900.470*	.15	.15	.15
LOWER PALUXY	897.529*	.15	.15	.15
LOWER PALUXY	894.588*	.15	.15	.15
LOWER PALUXY	891.647*	.15	.15	.15
LOWER PALUXY	888.705*	.15	.15	.15
LOWER PALUXY	885.764*	.15	.15	.15
LOWER PALUXY	882.823*	.15	.15	.15
LOWER PALUXY	879.882*	.15	.15	.15
LOWER PALUXY	876.941*	.15	.15	.15
LOWER PALUXY	874	.15	.15	.15

River:SQUAW CREEK

Reach	River Sta.	n1	n2	n3
SC	24757	.15	.15	.15
SC	24747	.15	.15	.15
SC	24698.*	.15	.15	.15
SC	24649.*	.15	.15	.15
SC	24600	.15	.15	.15
SC	24576.2*	.15	.15	.15
SC	24552.4*	.15	.15	.15
SC	24528.6*	.15	.15	.15
SC	24504.9*	.15	.15	.15
SC	24481.1*	.15	.15	.15
SC	24457.3*	.15	.15	.15
SC	24433.6*	.15	.15	.15
SC	24409.8*	.15	.15	.15
SC	24386.0*	.15	.15	.15
SC	24362.3*	.15	.15	.15
SC	24338.5*	.15	.15	.15
SC	24314.7*	.15	.15	.15
SC	24291	.15	.15	.15
SC	23906	.15	.15	.15
SC	23793.3*	.15	.15	.15
SC	23680.6*	.15	.15	.15
SC	23568	.15	.15	.15
SC	23437.*	.15	.15	.15
SC	23306.*	.15	.15	.15
SC	23175.*	.15	.15	.15
SC	23044	.15	.15	.15
SC	23019.9*	.15	.15	.15
SC	22995.8*	.15	.15	.15
SC	22971.7*	.15	.15	.15
SC	22947.6*	.15	.15	.15
SC	22923.6*	.15	.15	.15
SC	22899.5*	.15	.15	.15
SC	22875.4*	.15	.15	.15
SC	22851.3*	.15	.15	.15
SC	22827.2*	.15	.15	.15
SC	22803.2*	.15	.15	.15
SC	22779.1*	.15	.15	.15
SC	22755.0*	.15	.15	.15
SC	22730.9*	.15	.15	.15
SC	22706.8*	.15	.15	.15
SC	22682.8*	.15	.15	.15
SC	22658.7*	.15	.15	.15
SC	22634.6*	.15	.15	.15
SC	22610.5*	.15	.15	.15
SC	22586.4*	.15	.15	.15
SC	22562.4*	.15	.15	.15
SC	22538.3*	.15	.15	.15
SC	22514.2*	.15	.15	.15
SC	22490.1*	.15	.15	.15
SC	22466.0*	.15	.15	.15
SC	22442	.15	.15	.15
SC	21993	.15	.15	.15
SC	21307	.15	.15	.15
SC	21209.5*	.15	.15	.15
SC	21112.*	.15	.15	.15
SC	21014.5*	.15	.15	.15
SC	20917.*	.15	.15	.15
SC	20819.5*	.15	.15	.15
SC	20722.*	.15	.15	.15
SC	20624.5*	.15	.15	.15
SC	20527.*	.15	.15	.15
SC	20429.5*	.15	.15	.15
SC	20332.*	.15	.15	.15
SC	20234.5*	.15	.15	.15
SC	20137	.15	.15	.15
SC	19802	.15	.15	.15
SC	19213	.15	.15	.15
SC	18923	.15	.15	.15
SC	18864	.15	.15	.15
SC	18691.3*	.15	.15	.15
SC	18518.6*	.15	.15	.15

SC	18346	.15	.15	.15
SC	17925	.15	.15	.15
SC	17511	.15	.15	.15
SC	17070	.15	.15	.15
SC	16659	.15	.15	.15
SC	16167	.15	.15	.15
SC	15599	.15	.15	.15
SC	14801	.15	.15	.15
SC	14323	.15	.15	.15
SC	13921	.15	.15	.15
SC	13504	.15	.15	.15
SC	13054	.15	.15	.15
SC	12713	.15	.15	.15
SC	12301	.15	.15	.15
SC	11565	.15	.15	.15
SC	11411	.15	.15	.15
SC	11002	.15	.15	.15
SC	10578	.15	.15	.15
SC	10312	.15	.15	.15
SC	10023	.15	.15	.15
SC	9191	.15	.15	.15
SC	8809	.15	.15	.15
SC	8282	.15	.15	.15
SC	7678	.15	.15	.15
SC	7370	.15	.15	.15
SC	6699	.15	.15	.15
SC	5861	.15	.15	.15
SC	5194	.15	.15	.15
SC	4720	.15	.15	.15
SC	4673.5*	.15	.15	.15
SC	4627.*	.15	.15	.15
SC	4580.5*	.15	.15	.15
SC	4534.*	.15	.15	.15
SC	4487.5*	.15	.15	.15
SC	4441.*	.15	.15	.15
SC	4394.5*	.15	.15	.15
SC	4348.*	.15	.15	.15
SC	4301.5*	.15	.15	.15
SC	4255	.15	.15	.15
SC	4209.5*	.15	.15	.15
SC	4164.*	.15	.15	.15
SC	4118.5*	.15	.15	.15
SC	4073.*	.15	.15	.15
SC	4027.5*	.15	.15	.15
SC	3982.*	.15	.15	.15
SC	3936.5*	.15	.15	.15
SC	3891	.15	.15	.15
SC	3443	.15	.15	.15
SC	3300	.15	.15	.15
SC	3057	.15	.15	.15
SC	2930	.15	.15	.15
SC	2688	.15	.15	.15
SC	2449	.15	.15	.15
SC	2196	.15	.15	.15
SC	2133.5*	.15	.15	.15
SC	2071.*	.15	.15	.15
SC	2008.5*	.15	.15	.15
SC	1946	.15	.15	.15
SC	1941.04*	.15	.15	.15
SC	1936.09*	.15	.15	.15
SC	1931.14*	.15	.15	.15
SC	1926.19*	.15	.15	.15
SC	1921.24*	.15	.15	.15
SC	1916.29*	.15	.15	.15
SC	1911.34*	.15	.15	.15
SC	1906.39*	.15	.15	.15
SC	1901.44*	.15	.15	.15
SC	1896.49*	.15	.15	.15
SC	1891.54*	.15	.15	.15
SC	1886.59*	.15	.15	.15
SC	1881.64*	.15	.15	.15
SC	1876.69*	.15	.15	.15
SC	1871.74*	.15	.15	.15
SC	1866.79*	.15	.15	.15
SC	1861.83*	.15	.15	.15
SC	1856.88*	.15	.15	.15
SC	1851.93*	.15	.15	.15
SC	1846.98*	.15	.15	.15
SC	1842.03*	.15	.15	.15
SC	1837.08*	.15	.15	.15
SC	1832.13*	.15	.15	.15
SC	1827.18*	.15	.15	.15
SC	1822.23*	.15	.15	.15
SC	1817.28*	.15	.15	.15
SC	1812.33*	.15	.15	.15
SC	1807.38*	.15	.15	.15
SC	1802.43*	.15	.15	.15
SC	1797.48*	.15	.15	.15
SC	1792.53*	.15	.15	.15
SC	1787.58*	.15	.15	.15
SC	1782.63*	.15	.15	.15
SC	1777.67*	.15	.15	.15
SC	1772.72*	.15	.15	.15
SC	1767.77*	.15	.15	.15
SC	1762.82*	.15	.15	.15
SC	1757.87*	.15	.15	.15
SC	1752.92*	.15	.15	.15
SC	1747.97*	.15	.15	.15
SC	1743.02*	.15	.15	.15
SC	1738.07*	.15	.15	.15
SC	1733.12*	.15	.15	.15
SC	1728.17*	.15	.15	.15
SC	1723.22*	.15	.15	.15
SC	1718.27*	.15	.15	.15
SC	1713.32*	.15	.15	.15
SC	1708.37*	.15	.15	.15
SC	1703.42*	.15	.15	.15
SC	1698.46*	.15	.15	.15
SC	1693.51*	.15	.15	.15
SC	1688.56*	.15	.15	.15
SC	1683.61*	.15	.15	.15
SC	1678.66*	.15	.15	.15
SC	1673.71*	.15	.15	.15
SC	1668.76*	.15	.15	.15

SC	1663.81*	.15	.15	.15
SC	1658.86*	.15	.15	.15
SC	1653.91*	.15	.15	.15
SC	1648.96*	.15	.15	.15
SC	1644.01*	.15	.15	.15
SC	1639.06*	.15	.15	.15
SC	1634.11*	.15	.15	.15
SC	1629.16*	.15	.15	.15
SC	1624.21*	.15	.15	.15
SC	1619.25*	.15	.15	.15
SC	1614.30*	.15	.15	.15
SC	1609.35*	.15	.15	.15
SC	1604.40*	.15	.15	.15
SC	1599.45*	.15	.15	.15
SC	1594.50*	.15	.15	.15
SC	1589.55*	.15	.15	.15
SC	1584.60*	.15	.15	.15
SC	1579.65*	.15	.15	.15
SC	1574.70*	.15	.15	.15
SC	1569.75*	.15	.15	.15
SC	1564.80*	.15	.15	.15
SC	1559.85*	.15	.15	.15
SC	1554.90*	.15	.15	.15
SC	1549.95*	.15	.15	.15
SC	1545	.15	.15	.15
SC	1544.5*	.15	.15	.15
SC	1544.*	.15	.15	.15
SC	1543.5*	.15	.15	.15
SC	1543.*	.15	.15	.15
SC	1542.5*	.15	.15	.15
SC	1542.*	.15	.15	.15
SC	1541.5*	.15	.15	.15
SC	1541.*	.15	.15	.15
SC	1540.5*	.15	.15	.15
SC	1540.*	.15	.15	.15
SC	1539.5*	.15	.15	.15
SC	1539.*	.15	.15	.15
SC	1538.5*	.15	.15	.15
SC	1538.*	.15	.15	.15
SC	1537.5*	.15	.15	.15
SC	1537.*	.15	.15	.15
SC	1536.5*	.15	.15	.15
SC	1536.*	.15	.15	.15
SC	1535.5*	.15	.15	.15
SC	1535.*	.15	.15	.15
SC	1534.5*	.15	.15	.15
SC	1534.*	.15	.15	.15
SC	1533.5*	.15	.15	.15
SC	1533.*	.15	.15	.15
SC	1532.5*	.15	.15	.15
SC	1532.*	.15	.15	.15
SC	1531.5*	.15	.15	.15
SC	1531.*	.15	.15	.15
SC	1530.5*	.15	.15	.15
SC	1530.*	.15	.15	.15
SC	1529.5*	.15	.15	.15
SC	1529.*	.15	.15	.15
SC	1528.5*	.15	.15	.15
SC	1528.*	.15	.15	.15
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SC	1286.5*	.15	.15	.15
SC	1286.*	.15	.15	.15
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SC	1284.*	.15	.15	.15
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SC	1277.*	.15	.15	.15
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SC	1275.5*	.15	.15	.15
SC	1275.*	.15	.15	.15
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SC	1274.*	.15	.15	.15
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SC	1273.*	.15	.15	.15
SC	1272.5*	.15	.15	.15

SC	1272.*	.15	.15	.15
SC	1271.5*	.15	.15	.15
SC	1271.*	.15	.15	.15
SC	1270.5*	.15	.15	.15
SC	1270.*	.15	.15	.15
SC	1269.5*	.15	.15	.15
SC	1269.*	.15	.15	.15
SC	1268.5*	.15	.15	.15
SC	1268.*	.15	.15	.15
SC	1267.5*	.15	.15	.15
SC	1267.*	.15	.15	.15
SC	1266.5*	.15	.15	.15
SC	1266.*	.15	.15	.15
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SC	1265.*	.15	.15	.15
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SC	1261.5*	.15	.15	.15
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SC	1260.*	.15	.15	.15
SC	1259.5*	.15	.15	.15
SC	1259.*	.15	.15	.15
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SC	1258.*	.15	.15	.15
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SC	1242.*	.15	.15	.15
SC	1241.5*	.15	.15	.15
SC	1241.*	.15	.15	.15
SC	1240.5*	.15	.15	.15
SC	1240.*	.15	.15	.15
SC	1239.5*	.15	.15	.15
SC	1239.*	.15	.15	.15
SC	1238.5*	.15	.15	.15
SC	1238.*	.15	.15	.15
SC	1237.5*	.15	.15	.15
SC	1237.*	.15	.15	.15
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SC	1236.*	.15	.15	.15
SC	1235.5*	.15	.15	.15
SC	1235.*	.15	.15	.15
SC	1234.5*	.15	.15	.15
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SC	1216.*	.15	.15	.15
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SC	1215.*	.15	.15	.15
SC	1214.5*	.15	.15	.15
SC	1214	.15	.15	.15
SC	1211.05*	.15	.15	.15
SC	1208.11*	.15	.15	.15
SC	1205.17*	.15	.15	.15
SC	1202.23*	.15	.15	.15
SC	1199.29*	.15	.15	.15
SC	1196.35*	.15	.15	.15
SC	1193.41*	.15	.15	.15
SC	1190.47*	.15	.15	.15
SC	1187.52*	.15	.15	.15
SC	1184.58*	.15	.15	.15
SC	1181.64*	.15	.15	.15
SC	1178.70*	.15	.15	.15
SC	1175.76*	.15	.15	.15
SC	1172.82*	.15	.15	.15
SC	1169.88*	.15	.15	.15
SC	1166.94*	.15	.15	.15
SC	1164	.15	.15	.15

SUMMARY OF REACH LENGTHS

River: BRAZOS

Reach	River Sta.	Left	Channel	Right
UPPER BRAZOS	276887	5	5	5
UPPER BRAZOS	276884.*	5	5	5
UPPER BRAZOS	276881.*	5	5	5
UPPER BRAZOS	276878.*	5	5	5
UPPER BRAZOS	276875.*	5	5	5
UPPER BRAZOS	276872.*	5	5	5
UPPER BRAZOS	276869.*	5	5	5
UPPER BRAZOS	276866.*	5	5	5
UPPER BRAZOS	276863.*	5	5	5
UPPER BRAZOS	276860.*	5	5	5
UPPER BRAZOS	276857.*	5	5	5
UPPER BRAZOS	276854.*	5	5	5
UPPER BRAZOS	276852.*	5	5	5
UPPER BRAZOS	276849.*	5	5	5
UPPER BRAZOS	276846.*	5	5	5
UPPER BRAZOS	276843.*	5	5	5
UPPER BRAZOS	276840.*	5	5	5
UPPER BRAZOS	276837.*	5	5	5
UPPER BRAZOS	276834.*	5	5	5
UPPER BRAZOS	276831.*	5	5	5
UPPER BRAZOS	276828.*	5	5	5
UPPER BRAZOS	276825.*	5	5	5
UPPER BRAZOS	276822.*	5	5	5
UPPER BRAZOS	276819.*	5	5	5
UPPER BRAZOS	276817.*	5	5	5
UPPER BRAZOS	276814.*	5	5	5
UPPER BRAZOS	276811.*	5	5	5
UPPER BRAZOS	276808.*	5	5	5
UPPER BRAZOS	276805.*	5	5	5
UPPER BRAZOS	276802.*	5	5	5
UPPER BRAZOS	276799.*	5	5	5
UPPER BRAZOS	276796.*	5	5	5
UPPER BRAZOS	276793.*	5	5	5
UPPER BRAZOS	276790.*	5	5	5
UPPER BRAZOS	276787.*	5	5	5
UPPER BRAZOS	276784.*	5	5	5
UPPER BRAZOS	276781.*	5	5	5
UPPER BRAZOS	276779.*	5	5	5
UPPER BRAZOS	276776.*	5	5	5
UPPER BRAZOS	276773.*	5	5	5
UPPER BRAZOS	276770.*	5	5	5
UPPER BRAZOS	276767.*	5	5	5
UPPER BRAZOS	276764.*	5	5	5
UPPER BRAZOS	276761.*	5	5	5
UPPER BRAZOS	276758.*	5	5	5
UPPER BRAZOS	276755.*	5	5	5
UPPER BRAZOS	276752.*	5	5	5
UPPER BRAZOS	276749.*	5	5	5
UPPER BRAZOS	276746.*	5	5	5
UPPER BRAZOS	276744.*	5	5	5
UPPER BRAZOS	276741.*	5	5	5
UPPER BRAZOS	276738.*	5	5	5
UPPER BRAZOS	276735.*	5	5	5
UPPER BRAZOS	276732.*	5	5	5
UPPER BRAZOS	276729.*	5	5	5
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UPPER BRAZOS	276723.*	5	5	5
UPPER BRAZOS	276720.*	5	5	5
UPPER BRAZOS	276717.*	5	5	5
UPPER BRAZOS	276714.*	5	5	5
UPPER BRAZOS	276711.*	5	5	5
UPPER BRAZOS	276709.*	5	5	5
UPPER BRAZOS	276706.*	5	5	5
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UPPER BRAZOS	276624.*	5	5	5
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UPPER BRAZOS	276615.*	5	5	5
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River: BRAZOS RIVER

Reach	River Sta.	Left	Channel	Right
LOWER BRAZOS	268430	4.99	4.99	4.99
LOWER BRAZOS	268425.*	4.99	4.99	4.99
LOWER BRAZOS	268420.*	4.99	4.99	4.99
LOWER BRAZOS	268415.*	4.99	4.99	4.99
LOWER BRAZOS	268410.*	4.99	4.99	4.99
LOWER BRAZOS	268405.*	4.99	4.99	4.99
LOWER BRAZOS	268400.*	4.99	4.99	4.99
LOWER BRAZOS	268395.*	4.99	4.99	4.99
LOWER BRAZOS	268390.*	4.99	4.99	4.99
LOWER BRAZOS	268385.*	4.99	4.99	4.99
LOWER BRAZOS	268380.*	4.99	4.99	4.99
LOWER BRAZOS	268375.*	4.99	4.99	4.99
LOWER BRAZOS	268370.*	4.99	4.99	4.99
LOWER BRAZOS	268365.*	4.99	4.99	4.99
LOWER BRAZOS	268360.*	4.99	4.99	4.99
LOWER BRAZOS	268355.*	4.99	4.99	4.99
LOWER BRAZOS	268350.*	4.99	4.99	4.99
LOWER BRAZOS	268345.*	4.99	4.99	4.99
LOWER BRAZOS	268340.*	4.99	4.99	4.99
LOWER BRAZOS	268335.*	4.99	4.99	4.99
LOWER BRAZOS	268330.*	4.99	4.99	4.99
LOWER BRAZOS	268325.*	4.99	4.99	4.99
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LOWER BRAZOS	268315.*	4.99	4.99	4.99
LOWER BRAZOS	268310.*	4.99	4.99	4.99
LOWER BRAZOS	268305.*	4.99	4.99	4.99
LOWER BRAZOS	268300.*	4.99	4.99	4.99
LOWER BRAZOS	268295.*	4.99	4.99	4.99
LOWER BRAZOS	268290.*	4.99	4.99	4.99
LOWER BRAZOS	268285.*	4.99	4.99	4.99
LOWER BRAZOS	268280.*	4.99	4.99	4.99
LOWER BRAZOS	268275.*	4.99	4.99	4.99
LOWER BRAZOS	268270.*	4.99	4.99	4.99
LOWER BRAZOS	268265.*	4.99	4.99	4.99
LOWER BRAZOS	268260.*	4.99	4.99	4.99
LOWER BRAZOS	268255.*	4.99	4.99	4.99
LOWER BRAZOS	268250.*	4.99	4.99	4.99
LOWER BRAZOS	268245.*	4.99	4.99	4.99
LOWER BRAZOS	268240.*	4.99	4.99	4.99
LOWER BRAZOS	268235.*	4.99	4.99	4.99
LOWER BRAZOS	268230.*	4.99	4.99	4.99
LOWER BRAZOS	268225.*	4.99	4.99	4.99
LOWER BRAZOS	268220.*	4.99	4.99	4.99
LOWER BRAZOS	268215.*	4.99	4.99	4.99
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LOWER BRAZOS	268205.*	4.99	4.99	4.99
LOWER BRAZOS	268200.*	4.99	4.99	4.99
LOWER BRAZOS	268195.*	4.99	4.99	4.99
LOWER BRAZOS	268190.*	4.99	4.99	4.99
LOWER BRAZOS	268185.*	4.99	4.99	4.99
LOWER BRAZOS	268180.*	4.99	4.99	4.99
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LOWER BRAZOS	268160.*	4.99	4.99	4.99
LOWER BRAZOS	268155.*	4.99	4.99	4.99
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LOWER BRAZOS	268095.*	4.99	4.99	4.99
LOWER BRAZOS	268090.*	4.99	4.99	4.99
LOWER BRAZOS	268085.*	4.99	4.99	4.99
LOWER BRAZOS	268080.*	4.99	4.99	4.99
LOWER BRAZOS	268075.*	4.99	4.99	4.99
LOWER BRAZOS	268070.*	4.99	4.99	4.99
LOWER BRAZOS	268065.*	4.99	4.99	4.99
LOWER BRAZOS	268060.*	4.99	4.99	4.99
LOWER BRAZOS	268055.*	4.99	4.99	4.99
LOWER BRAZOS	268050.*	4.99	4.99	4.99
LOWER BRAZOS	268045.*	4.99	4.99	4.99
LOWER BRAZOS	268040.*	4.99	4.99	4.99
LOWER BRAZOS	268035.*	4.99	4.99	4.99
LOWER BRAZOS	268030.*	4.99	4.99	4.99
LOWER BRAZOS	268025.*	4.99	4.99	4.99
LOWER BRAZOS	268020.*	4.99	4.99	4.99
LOWER BRAZOS	268015.*	4.99	4.99	4.99
LOWER BRAZOS	268010.*	4.99	4.99	4.99
LOWER BRAZOS	268005.*	4.99	4.99	4.99
LOWER BRAZOS	268000.*	4.99	4.99	4.99
LOWER BRAZOS	267995.*	4.99	4.99	4.99
LOWER BRAZOS	267990.*	4.99	4.99	4.99
LOWER BRAZOS	267985.*	4.99	4.99	4.99
LOWER BRAZOS	267980.*	4.99	4.99	4.99
LOWER BRAZOS	267975.*	4.99	4.99	4.99
LOWER BRAZOS	267970.*	4.99	4.99	4.99
LOWER BRAZOS	267965.*	4.99	4.99	4.99
LOWER BRAZOS	267960.*	4.99	4.99	4.99
LOWER BRAZOS	267955.*	4.99	4.99	4.99
LOWER BRAZOS	267950.*	4.99	4.99	4.99
LOWER BRAZOS	267945.*	4.99	4.99	4.99
LOWER BRAZOS	267940.*	4.99	4.99	4.99
LOWER BRAZOS	267935.*	4.99	4.99	4.99
LOWER BRAZOS	267930.*	4.99	4.99	4.99
LOWER BRAZOS	267925.*	4.99	4.99	4.99
LOWER BRAZOS	267920.*	4.99	4.99	4.99

LOWER BRAZOS	267915.*	4.99	4.99	4.99
LOWER BRAZOS	267910.*	4.99	4.99	4.99
LOWER BRAZOS	267905.*	4.99	4.99	4.99
LOWER BRAZOS	267900.*	4.99	4.99	4.99
LOWER BRAZOS	267895.*	4.99	4.99	4.99
LOWER BRAZOS	267890.*	4.99	4.99	4.99
LOWER BRAZOS	267885.*	4.99	4.99	4.99
LOWER BRAZOS	267880.*	4.99	4.99	4.99
LOWER BRAZOS	267875.*	4.99	4.99	4.99
LOWER BRAZOS	267870.*	4.99	4.99	4.99
LOWER BRAZOS	267865.*	4.99	4.99	4.99
LOWER BRAZOS	267860.*	4.99	4.99	4.99
LOWER BRAZOS	267855.*	4.99	4.99	4.99
LOWER BRAZOS	267850.*	4.99	4.99	4.99
LOWER BRAZOS	267845.*	4.99	4.99	4.99
LOWER BRAZOS	267840.*	4.99	4.99	4.99
LOWER BRAZOS	267835.*	4.99	4.99	4.99
LOWER BRAZOS	267830.*	4.99	4.99	4.99
LOWER BRAZOS	267825.*	4.99	4.99	4.99
LOWER BRAZOS	267820.*	4.99	4.99	4.99
LOWER BRAZOS	267815.*	4.99	4.99	4.99
LOWER BRAZOS	267810.*	4.99	4.99	4.99
LOWER BRAZOS	267805.*	4.99	4.99	4.99
LOWER BRAZOS	267800.*	4.99	4.99	4.99
LOWER BRAZOS	267795.*	4.99	4.99	4.99
LOWER BRAZOS	267790.*	4.99	4.99	4.99
LOWER BRAZOS	267785.*	4.99	4.99	4.99
LOWER BRAZOS	267780.*	4.99	4.99	4.99
LOWER BRAZOS	267775.*	4.99	4.99	4.99
LOWER BRAZOS	267770.*	4.99	4.99	4.99
LOWER BRAZOS	267765.*	4.99	4.99	4.99
LOWER BRAZOS	267760.*	4.99	4.99	4.99
LOWER BRAZOS	267755.*	4.99	4.99	4.99
LOWER BRAZOS	267751.*	4.99	4.99	4.99
LOWER BRAZOS	267746.*	4.99	4.99	4.99
LOWER BRAZOS	267741.*	4.99	4.99	4.99
LOWER BRAZOS	267736.*	4.99	4.99	4.99
LOWER BRAZOS	267731.*	4.99	4.99	4.99
LOWER BRAZOS	267726.*	4.99	4.99	4.99
LOWER BRAZOS	267721.*	4.99	4.99	4.99
LOWER BRAZOS	267716.*	4.99	4.99	4.99
LOWER BRAZOS	267711.*	4.99	4.99	4.99
LOWER BRAZOS	267706.*	4.99	4.99	4.99
LOWER BRAZOS	267701.*	4.99	4.99	4.99
LOWER BRAZOS	267696.*	4.99	4.99	4.99
LOWER BRAZOS	267691.*	4.99	4.99	4.99
LOWER BRAZOS	267686.*	4.99	4.99	4.99
LOWER BRAZOS	267681.*	4.99	4.99	4.99
LOWER BRAZOS	267676.*	4.99	4.99	4.99
LOWER BRAZOS	267671.*	4.99	4.99	4.99
LOWER BRAZOS	267666.*	4.99	4.99	4.99
LOWER BRAZOS	267661.*	4.99	4.99	4.99
LOWER BRAZOS	267656.*	4.99	4.99	4.99
LOWER BRAZOS	267651.*	4.99	4.99	4.99
LOWER BRAZOS	267646.*	4.99	4.99	4.99
LOWER BRAZOS	267641.*	4.99	4.99	4.99
LOWER BRAZOS	267636.*	4.99	4.99	4.99
LOWER BRAZOS	267631.*	4.99	4.99	4.99
LOWER BRAZOS	267626.*	4.99	4.99	4.99
LOWER BRAZOS	267621.*	4.99	4.99	4.99
LOWER BRAZOS	267616.*	4.99	4.99	4.99
LOWER BRAZOS	267611.*	4.99	4.99	4.99
LOWER BRAZOS	267606.*	4.99	4.99	4.99
LOWER BRAZOS	267601.*	4.99	4.99	4.99
LOWER BRAZOS	267596.*	4.99	4.99	4.99
LOWER BRAZOS	267591.*	4.99	4.99	4.99
LOWER BRAZOS	267586.*	4.99	4.99	4.99
LOWER BRAZOS	267581.*	4.99	4.99	4.99
LOWER BRAZOS	267576.*	4.99	4.99	4.99
LOWER BRAZOS	267571.*	4.99	4.99	4.99
LOWER BRAZOS	267566.*	4.99	4.99	4.99
LOWER BRAZOS	267561.*	4.99	4.99	4.99
LOWER BRAZOS	267556.*	4.99	4.99	4.99
LOWER BRAZOS	267551.*	4.99	4.99	4.99
LOWER BRAZOS	267546.*	4.99	4.99	4.99
LOWER BRAZOS	267541.*	4.99	4.99	4.99
LOWER BRAZOS	267536.*	4.99	4.99	4.99
LOWER BRAZOS	267531.*	4.99	4.99	4.99
LOWER BRAZOS	267526.*	4.99	4.99	4.99
LOWER BRAZOS	267521.*	4.99	4.99	4.99
LOWER BRAZOS	267516.*	4.99	4.99	4.99
LOWER BRAZOS	267511.*	4.99	4.99	4.99
LOWER BRAZOS	267506.*	4.99	4.99	4.99
LOWER BRAZOS	267501.*	4.99	4.99	4.99
LOWER BRAZOS	267496.*	4.99	4.99	4.99
LOWER BRAZOS	267491.*	4.99	4.99	4.99
LOWER BRAZOS	267486.*	4.99	4.99	4.99
LOWER BRAZOS	267481.*	4.99	4.99	4.99
LOWER BRAZOS	267476.*	4.99	4.99	4.99
LOWER BRAZOS	267471.*	4.99	4.99	4.99
LOWER BRAZOS	267466.*	4.99	4.99	4.99
LOWER BRAZOS	267461.*	4.99	4.99	4.99
LOWER BRAZOS	267456.*	4.99	4.99	4.99
LOWER BRAZOS	267451.*	4.99	4.99	4.99
LOWER BRAZOS	267446.*	4.99	4.99	4.99
LOWER BRAZOS	267441.*	4.99	4.99	4.99
LOWER BRAZOS	267436.*	4.99	4.99	4.99
LOWER BRAZOS	267431.*	4.99	4.99	4.99
LOWER BRAZOS	267426.*	4.99	4.99	4.99
LOWER BRAZOS	267421.*	4.99	4.99	4.99
LOWER BRAZOS	267416.*	4.99	4.99	4.99
LOWER BRAZOS	267411.*	4.99	4.99	4.99
LOWER BRAZOS	267406.*	4.99	4.99	4.99
LOWER BRAZOS	267401.*	4.99	4.99	4.99
LOWER BRAZOS	267396.*	4.99	4.99	4.99
LOWER BRAZOS	267391.*	4.99	4.99	4.99
LOWER BRAZOS	267386.*	4.99	4.99	4.99
LOWER BRAZOS	267381.*	4.99	4.99	4.99
LOWER BRAZOS	267376.*	4.99	4.99	4.99
LOWER BRAZOS	267371.*	4.99	4.99	4.99
LOWER BRAZOS	267366.*	4.99	4.99	4.99
LOWER BRAZOS	267361.*	4.99	4.99	4.99
LOWER BRAZOS	267356.*	4.99	4.99	4.99
LOWER BRAZOS	267351.*	4.99	4.99	4.99

LOWER BRAZOS	267346.*	4.99	4.99	4.99
LOWER BRAZOS	267341.*	4.99	4.99	4.99
LOWER BRAZOS	267336.*	4.99	4.99	4.99
LOWER BRAZOS	267331.*	4.99	4.99	4.99
LOWER BRAZOS	267326.*	4.99	4.99	4.99
LOWER BRAZOS	267321.*	4.99	4.99	4.99
LOWER BRAZOS	267316.*	4.99	4.99	4.99
LOWER BRAZOS	267311.*	4.99	4.99	4.99
LOWER BRAZOS	267306.*	4.99	4.99	4.99
LOWER BRAZOS	267301.*	4.99	4.99	4.99
LOWER BRAZOS	267296.*	4.99	4.99	4.99
LOWER BRAZOS	267291.*	4.99	4.99	4.99
LOWER BRAZOS	267286.*	4.99	4.99	4.99
LOWER BRAZOS	267281.*	4.99	4.99	4.99
LOWER BRAZOS	267276.*	4.99	4.99	4.99
LOWER BRAZOS	267271.*	4.99	4.99	4.99
LOWER BRAZOS	267266.*	4.99	4.99	4.99
LOWER BRAZOS	267261.*	4.99	4.99	4.99
LOWER BRAZOS	267256.*	4.99	4.99	4.99
LOWER BRAZOS	267251.*	4.99	4.99	4.99
LOWER BRAZOS	267246.*	4.99	4.99	4.99
LOWER BRAZOS	267241.*	4.99	4.99	4.99
LOWER BRAZOS	267236.*	4.99	4.99	4.99
LOWER BRAZOS	267231.*	4.99	4.99	4.99
LOWER BRAZOS	267226.*	4.99	4.99	4.99
LOWER BRAZOS	267221.*	4.99	4.99	4.99
LOWER BRAZOS	267216.*	4.99	4.99	4.99
LOWER BRAZOS	267211.*	4.99	4.99	4.99
LOWER BRAZOS	267206.*	4.99	4.99	4.99
LOWER BRAZOS	267201.*	4.99	4.99	4.99
LOWER BRAZOS	267196.*	4.99	4.99	4.99
LOWER BRAZOS	267191.*	4.99	4.99	4.99
LOWER BRAZOS	267186.*	4.99	4.99	4.99
LOWER BRAZOS	267181.*	4.99	4.99	4.99
LOWER BRAZOS	267176.*	4.99	4.99	4.99
LOWER BRAZOS	267171.*	4.99	4.99	4.99
LOWER BRAZOS	267166.*	4.99	4.99	4.99
LOWER BRAZOS	267161.*	4.99	4.99	4.99
LOWER BRAZOS	267156.*	4.99	4.99	4.99
LOWER BRAZOS	267151.*	4.99	4.99	4.99
LOWER BRAZOS	267146.*	4.99	4.99	4.99
LOWER BRAZOS	267141.*	4.99	4.99	4.99
LOWER BRAZOS	267136.*	4.99	4.99	4.99
LOWER BRAZOS	267131.*	4.99	4.99	4.99
LOWER BRAZOS	267126.*	4.99	4.99	4.99
LOWER BRAZOS	267121.*	4.99	4.99	4.99
LOWER BRAZOS	267116.*	4.99	4.99	4.99
LOWER BRAZOS	267111.*	4.99	4.99	4.99
LOWER BRAZOS	267106.*	4.99	4.99	4.99
LOWER BRAZOS	267101.*	4.99	4.99	4.99
LOWER BRAZOS	267096.*	4.99	4.99	4.99
LOWER BRAZOS	267091.*	4.99	4.99	4.99
LOWER BRAZOS	267086.*	4.99	4.99	4.99
LOWER BRAZOS	267081.*	4.99	4.99	4.99
LOWER BRAZOS	267076.*	4.99	4.99	4.99
LOWER BRAZOS	267071.*	4.99	4.99	4.99
LOWER BRAZOS	267066.*	4.99	4.99	4.99
LOWER BRAZOS	267061.*	4.99	4.99	4.99
LOWER BRAZOS	267056.*	4.99	4.99	4.99
LOWER BRAZOS	267051.*	4.99	4.99	4.99
LOWER BRAZOS	267046.*	4.99	4.99	4.99
LOWER BRAZOS	267042.*	4.99	4.99	4.99
LOWER BRAZOS	267037.*	4.99	4.99	4.99
LOWER BRAZOS	267032.*	4.99	4.99	4.99
LOWER BRAZOS	267027.*	4.99	4.99	4.99
LOWER BRAZOS	267022.*	4.99	4.99	4.99
LOWER BRAZOS	267017.*	4.99	4.99	4.99
LOWER BRAZOS	267012.*	4.99	4.99	4.99
LOWER BRAZOS	267007.*	4.99	4.99	4.99
LOWER BRAZOS	267002.*	4.99	4.99	4.99
LOWER BRAZOS	266997.*	4.99	4.99	4.99
LOWER BRAZOS	266992.*	4.99	4.99	4.99
LOWER BRAZOS	266987.*	4.99	4.99	4.99
LOWER BRAZOS	266982.*	4.99	4.99	4.99
LOWER BRAZOS	266977.*	4.99	4.99	4.99
LOWER BRAZOS	266972.*	4.99	4.99	4.99
LOWER BRAZOS	266967.*	4.99	4.99	4.99
LOWER BRAZOS	266962.*	4.99	4.99	4.99
LOWER BRAZOS	266957.*	4.99	4.99	4.99
LOWER BRAZOS	266952.*	4.99	4.99	4.99
LOWER BRAZOS	266947.*	4.99	4.99	4.99
LOWER BRAZOS	266942.*	4.99	4.99	4.99
LOWER BRAZOS	266937.*	4.99	4.99	4.99
LOWER BRAZOS	266932.*	4.99	4.99	4.99
LOWER BRAZOS	266927.*	4.99	4.99	4.99
LOWER BRAZOS	266922.*	4.99	4.99	4.99
LOWER BRAZOS	266917.*	4.99	4.99	4.99
LOWER BRAZOS	266912.*	4.99	4.99	4.99
LOWER BRAZOS	266907.*	4.99	4.99	4.99
LOWER BRAZOS	266902.*	4.99	4.99	4.99
LOWER BRAZOS	266897.*	4.99	4.99	4.99
LOWER BRAZOS	266892.*	4.99	4.99	4.99
LOWER BRAZOS	266887.*	4.99	4.99	4.99
LOWER BRAZOS	266882.*	4.99	4.99	4.99
LOWER BRAZOS	266877.*	4.99	4.99	4.99
LOWER BRAZOS	266872.*	4.99	4.99	4.99
LOWER BRAZOS	266867.*	4.99	4.99	4.99
LOWER BRAZOS	266862.*	4.99	4.99	4.99
LOWER BRAZOS	266857.*	4.99	4.99	4.99
LOWER BRAZOS	266852.*	4.99	4.99	4.99
LOWER BRAZOS	266847.*	4.99	4.99	4.99
LOWER BRAZOS	266842.*	4.99	4.99	4.99
LOWER BRAZOS	266837.*	4.99	4.99	4.99
LOWER BRAZOS	266832.*	4.99	4.99	4.99
LOWER BRAZOS	266827.*	4.99	4.99	4.99
LOWER BRAZOS	266822.*	4.99	4.99	4.99
LOWER BRAZOS	266817.*	4.99	4.99	4.99
LOWER BRAZOS	266812.*	4.99	4.99	4.99
LOWER BRAZOS	266807.*	4.99	4.99	4.99
LOWER BRAZOS	266802.*	4.99	4.99	4.99
LOWER BRAZOS	266797.*	4.99	4.99	4.99
LOWER BRAZOS	266792.*	4.99	4.99	4.99
LOWER BRAZOS	266787.*	4.99	4.99	4.99
LOWER BRAZOS	266782.*	4.99	4.99	4.99

LOWER BRAZOS	266777.*	4.99	4.99	4.99
LOWER BRAZOS	266772.*	4.99	4.99	4.99
LOWER BRAZOS	266767.*	4.99	4.99	4.99
LOWER BRAZOS	266762.*	4.99	4.99	4.99
LOWER BRAZOS	266757.*	4.99	4.99	4.99
LOWER BRAZOS	266752.*	4.99	4.99	4.99
LOWER BRAZOS	266747.*	4.99	4.99	4.99
LOWER BRAZOS	266742.*	4.99	4.99	4.99
LOWER BRAZOS	266737.*	4.99	4.99	4.99
LOWER BRAZOS	266732.*	4.99	4.99	4.99
LOWER BRAZOS	266727.*	4.99	4.99	4.99
LOWER BRAZOS	266722.*	4.99	4.99	4.99
LOWER BRAZOS	266717.*	4.99	4.99	4.99
LOWER BRAZOS	266712.*	4.99	4.99	4.99
LOWER BRAZOS	266707.*	4.99	4.99	4.99
LOWER BRAZOS	266702.*	4.99	4.99	4.99
LOWER BRAZOS	266697.*	4.99	4.99	4.99
LOWER BRAZOS	266692.*	4.99	4.99	4.99
LOWER BRAZOS	266687.*	4.99	4.99	4.99
LOWER BRAZOS	266682.*	4.99	4.99	4.99
LOWER BRAZOS	266677.*	4.99	4.99	4.99
LOWER BRAZOS	266672.*	4.99	4.99	4.99
LOWER BRAZOS	266667.*	4.99	4.99	4.99
LOWER BRAZOS	266662.*	4.99	4.99	4.99
LOWER BRAZOS	266657.*	4.99	4.99	4.99
LOWER BRAZOS	266652.*	4.99	4.99	4.99
LOWER BRAZOS	266647.*	4.99	4.99	4.99
LOWER BRAZOS	266642.*	4.99	4.99	4.99
LOWER BRAZOS	266637.*	4.99	4.99	4.99
LOWER BRAZOS	266632.*	4.99	4.99	4.99
LOWER BRAZOS	266627.*	4.99	4.99	4.99
LOWER BRAZOS	266622.*	4.99	4.99	4.99
LOWER BRAZOS	266617.*	4.99	4.99	4.99
LOWER BRAZOS	266612.*	4.99	4.99	4.99
LOWER BRAZOS	266607.*	4.99	4.99	4.99
LOWER BRAZOS	266602.*	4.99	4.99	4.99
LOWER BRAZOS	266597.*	4.99	4.99	4.99
LOWER BRAZOS	266592.*	4.99	4.99	4.99
LOWER BRAZOS	266587.*	4.99	4.99	4.99
LOWER BRAZOS	266582.*	4.99	4.99	4.99
LOWER BRAZOS	266577.*	4.99	4.99	4.99
LOWER BRAZOS	266572.*	4.99	4.99	4.99
LOWER BRAZOS	266567.*	4.99	4.99	4.99
LOWER BRAZOS	266562.*	4.99	4.99	4.99
LOWER BRAZOS	266557.*	4.99	4.99	4.99
LOWER BRAZOS	266552.*	4.99	4.99	4.99
LOWER BRAZOS	266547.*	4.99	4.99	4.99
LOWER BRAZOS	266542.*	4.99	4.99	4.99
LOWER BRAZOS	266537.*	4.99	4.99	4.99
LOWER BRAZOS	266532.*	4.99	4.99	4.99
LOWER BRAZOS	266527.*	4.99	4.99	4.99
LOWER BRAZOS	266522.*	4.99	4.99	4.99
LOWER BRAZOS	266517.*	4.99	4.99	4.99
LOWER BRAZOS	266512.*	4.99	4.99	4.99
LOWER BRAZOS	266507.*	4.99	4.99	4.99
LOWER BRAZOS	266502.*	4.99	4.99	4.99
LOWER BRAZOS	266497.*	4.99	4.99	4.99
LOWER BRAZOS	266492.*	4.99	4.99	4.99
LOWER BRAZOS	266487.*	4.99	4.99	4.99
LOWER BRAZOS	266482.*	4.99	4.99	4.99
LOWER BRAZOS	266477.*	4.99	4.99	4.99
LOWER BRAZOS	266472.*	4.99	4.99	4.99
LOWER BRAZOS	266467.*	4.99	4.99	4.99
LOWER BRAZOS	266462.*	4.99	4.99	4.99
LOWER BRAZOS	266457.*	4.99	4.99	4.99
LOWER BRAZOS	266452.*	4.99	4.99	4.99
LOWER BRAZOS	266447.*	4.99	4.99	4.99
LOWER BRAZOS	266442.*	4.99	4.99	4.99
LOWER BRAZOS	266437.*	4.99	4.99	4.99
LOWER BRAZOS	266432.*	4.99	4.99	4.99
LOWER BRAZOS	266427.*	4.99	4.99	4.99
LOWER BRAZOS	266422.*	4.99	4.99	4.99
LOWER BRAZOS	266417.*	4.99	4.99	4.99
LOWER BRAZOS	266412.*	4.99	4.99	4.99
LOWER BRAZOS	266407.*	4.99	4.99	4.99
LOWER BRAZOS	266402.*	4.99	4.99	4.99
LOWER BRAZOS	266397.*	4.99	4.99	4.99
LOWER BRAZOS	266392.*	4.99	4.99	4.99
LOWER BRAZOS	266387.*	4.99	4.99	4.99
LOWER BRAZOS	266382.*	4.99	4.99	4.99
LOWER BRAZOS	266377.*	4.99	4.99	4.99
LOWER BRAZOS	266372.*	4.99	4.99	4.99
LOWER BRAZOS	266367.*	4.99	4.99	4.99
LOWER BRAZOS	266362.*	4.99	4.99	4.99
LOWER BRAZOS	266357.*	4.99	4.99	4.99
LOWER BRAZOS	266352.*	4.99	4.99	4.99
LOWER BRAZOS	266347.*	4.99	4.99	4.99
LOWER BRAZOS	266342.*	4.99	4.99	4.99
LOWER BRAZOS	266337.*	4.99	4.99	4.99
LOWER BRAZOS	266333.*	4.99	4.99	4.99
LOWER BRAZOS	266328.*	4.99	4.99	4.99
LOWER BRAZOS	266323.*	4.99	4.99	4.99
LOWER BRAZOS	266318.*	4.99	4.99	4.99
LOWER BRAZOS	266313.*	4.99	4.99	4.99
LOWER BRAZOS	266308.*	4.99	4.99	4.99
LOWER BRAZOS	266303.*	4.99	4.99	4.99
LOWER BRAZOS	266298	0	0	0

River: PALUXY

Reach	River Sta.	Left	Channel	Right
PALUXY RIVER	25092	2347	2347	2347
PALUXY RIVER	22745	9.98	9.98	9.98
PALUXY RIVER	22735.0*	9.98	9.98	9.98
PALUXY RIVER	22725.0*	9.98	9.98	9.98
PALUXY RIVER	22715.0*	9.98	9.98	9.98
PALUXY RIVER	22705.0*	9.98	9.98	9.98
PALUXY RIVER	22695.0*	9.98	9.98	9.98
PALUXY RIVER	22685.0*	9.98	9.98	9.98
PALUXY RIVER	22675.0*	9.98	9.98	9.98
PALUXY RIVER	22665.0*	9.98	9.98	9.98
PALUXY RIVER	22655.1*	9.98	9.98	9.98

PALUXY RIVER	22645.1*	9.98	9.98	9.98
PALUXY RIVER	22635.1*	9.98	9.98	9.98
PALUXY RIVER	22625.1*	9.98	9.98	9.98
PALUXY RIVER	22615.1*	9.98	9.98	9.98
PALUXY RIVER	22605.1*	9.98	9.98	9.98
PALUXY RIVER	22595.1*	9.98	9.98	9.98
PALUXY RIVER	22585.1*	9.98	9.98	9.98
PALUXY RIVER	22575.2*	9.98	9.98	9.98
PALUXY RIVER	22565.2*	9.98	9.98	9.98
PALUXY RIVER	22555.2*	9.98	9.98	9.98
PALUXY RIVER	22545.2*	9.98	9.98	9.98
PALUXY RIVER	22535.2*	9.98	9.98	9.98
PALUXY RIVER	22525.2*	9.98	9.98	9.98
PALUXY RIVER	22515.2*	9.98	9.98	9.98
PALUXY RIVER	22505.2*	9.98	9.98	9.98
PALUXY RIVER	22495.2*	9.98	9.98	9.98
PALUXY RIVER	22485.3*	9.98	9.98	9.98
PALUXY RIVER	22475.3*	9.98	9.98	9.98
PALUXY RIVER	22465.3*	9.98	9.98	9.98
PALUXY RIVER	22455.3*	9.98	9.98	9.98
PALUXY RIVER	22445.3*	9.98	9.98	9.98
PALUXY RIVER	22435.3*	9.98	9.98	9.98
PALUXY RIVER	22425.3*	9.98	9.98	9.98
PALUXY RIVER	22415.3*	9.98	9.98	9.98
PALUXY RIVER	22405.4*	9.98	9.98	9.98
PALUXY RIVER	22395.4*	9.98	9.98	9.98
PALUXY RIVER	22385.4*	9.98	9.98	9.98
PALUXY RIVER	22375.4*	9.98	9.98	9.98
PALUXY RIVER	22365.4*	9.98	9.98	9.98
PALUXY RIVER	22355.4*	9.98	9.98	9.98
PALUXY RIVER	22345.4*	9.98	9.98	9.98
PALUXY RIVER	22335.4*	9.98	9.98	9.98
PALUXY RIVER	22325.4*	9.98	9.98	9.98
PALUXY RIVER	22315.5*	9.98	9.98	9.98
PALUXY RIVER	22305.5*	9.98	9.98	9.98
PALUXY RIVER	22295.5*	9.98	9.98	9.98
PALUXY RIVER	22285.5*	9.98	9.98	9.98
PALUXY RIVER	22275.5*	9.98	9.98	9.98
PALUXY RIVER	22265.5*	9.98	9.98	9.98
PALUXY RIVER	22255.5*	9.98	9.98	9.98
PALUXY RIVER	22245.5*	9.98	9.98	9.98
PALUXY RIVER	22235.6*	9.98	9.98	9.98
PALUXY RIVER	22225.6*	9.98	9.98	9.98
PALUXY RIVER	22215.6*	9.98	9.98	9.98
PALUXY RIVER	22205.6*	9.98	9.98	9.98
PALUXY RIVER	22195.6*	9.98	9.98	9.98
PALUXY RIVER	22185.6*	9.98	9.98	9.98
PALUXY RIVER	22175.6*	9.98	9.98	9.98
PALUXY RIVER	22165.6*	9.98	9.98	9.98
PALUXY RIVER	22155.6*	9.98	9.98	9.98
PALUXY RIVER	22145.7*	9.98	9.98	9.98
PALUXY RIVER	22135.7*	9.98	9.98	9.98
PALUXY RIVER	22125.7*	9.98	9.98	9.98
PALUXY RIVER	22115.7*	9.98	9.98	9.98
PALUXY RIVER	22105.7*	9.98	9.98	9.98
PALUXY RIVER	22095.7*	9.98	9.98	9.98
PALUXY RIVER	22085.7*	9.98	9.98	9.98
PALUXY RIVER	22075.7*	9.98	9.98	9.98
PALUXY RIVER	22065.8*	9.98	9.98	9.98
PALUXY RIVER	22055.8*	9.98	9.98	9.98
PALUXY RIVER	22045.8*	9.98	9.98	9.98
PALUXY RIVER	22035.8*	9.98	9.98	9.98
PALUXY RIVER	22025.8*	9.98	9.98	9.98
PALUXY RIVER	22015.8*	9.98	9.98	9.98
PALUXY RIVER	22005.8*	9.98	9.98	9.98
PALUXY RIVER	21995.8*	9.98	9.98	9.98
PALUXY RIVER	21985.8*	9.98	9.98	9.98
PALUXY RIVER	21975.9*	9.98	9.98	9.98
PALUXY RIVER	21965.9*	9.98	9.98	9.98
PALUXY RIVER	21955.9*	9.98	9.98	9.98
PALUXY RIVER	21945.9*	9.98	9.98	9.98
PALUXY RIVER	21935.9*	9.98	9.98	9.98
PALUXY RIVER	21925.9*	9.98	9.98	9.98
PALUXY RIVER	21915.9*	9.98	9.98	9.98
PALUXY RIVER	21905.9*	9.98	9.98	9.98
PALUXY RIVER	21896.*	9.98	9.98	9.98
PALUXY RIVER	21886.0*	9.98	9.98	9.98
PALUXY RIVER	21876.0*	9.98	9.98	9.98
PALUXY RIVER	21866.0*	9.98	9.98	9.98
PALUXY RIVER	21856.0*	9.98	9.98	9.98
PALUXY RIVER	21846.0*	9.98	9.98	9.98
PALUXY RIVER	21836.0*	9.98	9.98	9.98
PALUXY RIVER	21826.0*	9.98	9.98	9.98
PALUXY RIVER	21816.1*	9.98	9.98	9.98
PALUXY RIVER	21806.1*	9.98	9.98	9.98
PALUXY RIVER	21796.1*	9.98	9.98	9.98
PALUXY RIVER	21786.1*	9.98	9.98	9.98
PALUXY RIVER	21776.1*	9.98	9.98	9.98
PALUXY RIVER	21766.1*	9.98	9.98	9.98
PALUXY RIVER	21756.1*	9.98	9.98	9.98
PALUXY RIVER	21746.1*	9.98	9.98	9.98
PALUXY RIVER	21736.1*	9.98	9.98	9.98
PALUXY RIVER	21726.2*	9.98	9.98	9.98
PALUXY RIVER	21716.2*	9.98	9.98	9.98
PALUXY RIVER	21706.2*	9.98	9.98	9.98
PALUXY RIVER	21696.2*	9.98	9.98	9.98
PALUXY RIVER	21686.2*	9.98	9.98	9.98
PALUXY RIVER	21676.2*	9.98	9.98	9.98
PALUXY RIVER	21666.2*	9.98	9.98	9.98
PALUXY RIVER	21656.2*	9.98	9.98	9.98
PALUXY RIVER	21646.2*	9.98	9.98	9.98
PALUXY RIVER	21636.3*	9.98	9.98	9.98
PALUXY RIVER	21626.3*	9.98	9.98	9.98
PALUXY RIVER	21616.3*	9.98	9.98	9.98
PALUXY RIVER	21606.3*	9.98	9.98	9.98
PALUXY RIVER	21596.3*	9.98	9.98	9.98
PALUXY RIVER	21586.3*	9.98	9.98	9.98
PALUXY RIVER	21576.3*	9.98	9.98	9.98
PALUXY RIVER	21566.3*	9.98	9.98	9.98
PALUXY RIVER	21556.4*	9.98	9.98	9.98
PALUXY RIVER	21546.4*	9.98	9.98	9.98
PALUXY RIVER	21536.4*	9.98	9.98	9.98
PALUXY RIVER	21526.4*	9.98	9.98	9.98
PALUXY RIVER	21516.4*	9.98	9.98	9.98

PALUXY RIVER	21506.4*	9.98	9.98	9.98
PALUXY RIVER	21496.4*	9.98	9.98	9.98
PALUXY RIVER	21486.4*	9.98	9.98	9.98
PALUXY RIVER	21476.5*	9.98	9.98	9.98
PALUXY RIVER	21466.5*	9.98	9.98	9.98
PALUXY RIVER	21456.5*	9.98	9.98	9.98
PALUXY RIVER	21446.5*	9.98	9.98	9.98
PALUXY RIVER	21436.5*	9.98	9.98	9.98
PALUXY RIVER	21426.5*	9.98	9.98	9.98
PALUXY RIVER	21416.5*	9.98	9.98	9.98
PALUXY RIVER	21406.5*	9.98	9.98	9.98
PALUXY RIVER	21396.5*	9.98	9.98	9.98
PALUXY RIVER	21386.6*	9.98	9.98	9.98
PALUXY RIVER	21376.6*	9.98	9.98	9.98
PALUXY RIVER	21366.6*	9.98	9.98	9.98
PALUXY RIVER	21356.6*	9.98	9.98	9.98
PALUXY RIVER	21346.6*	9.98	9.98	9.98
PALUXY RIVER	21336.6*	9.98	9.98	9.98
PALUXY RIVER	21326.6*	9.98	9.98	9.98
PALUXY RIVER	21316.6*	9.98	9.98	9.98
PALUXY RIVER	21306.7*	9.98	9.98	9.98
PALUXY RIVER	21296.7*	9.98	9.98	9.98
PALUXY RIVER	21286.7*	9.98	9.98	9.98
PALUXY RIVER	21276.7*	9.98	9.98	9.98
PALUXY RIVER	21266.7*	9.98	9.98	9.98
PALUXY RIVER	21256.7*	9.98	9.98	9.98
PALUXY RIVER	21246.7*	9.98	9.98	9.98
PALUXY RIVER	21236.7*	9.98	9.98	9.98
PALUXY RIVER	21226.7*	9.98	9.98	9.98
PALUXY RIVER	21216.8*	9.98	9.98	9.98
PALUXY RIVER	21206.8*	9.98	9.98	9.98
PALUXY RIVER	21196.8*	9.98	9.98	9.98
PALUXY RIVER	21186.8*	9.98	9.98	9.98
PALUXY RIVER	21176.8*	9.98	9.98	9.98
PALUXY RIVER	21166.8*	9.98	9.98	9.98
PALUXY RIVER	21156.8*	9.98	9.98	9.98
PALUXY RIVER	21146.8*	9.98	9.98	9.98
PALUXY RIVER	21136.9*	9.98	9.98	9.98
PALUXY RIVER	21126.9*	9.98	9.98	9.98
PALUXY RIVER	21116.9*	9.98	9.98	9.98
PALUXY RIVER	21106.9*	9.98	9.98	9.98
PALUXY RIVER	21096.9*	9.98	9.98	9.98
PALUXY RIVER	21086.9*	9.98	9.98	9.98
PALUXY RIVER	21076.9*	9.98	9.98	9.98
PALUXY RIVER	21066.9*	9.98	9.98	9.98
PALUXY RIVER	21056.9*	9.98	9.98	9.98
PALUXY RIVER	21047	95.33	95.33	95.33
PALUXY RIVER	20951.6*	95.33	95.33	95.33
PALUXY RIVER	20856.3*	95.33	95.33	95.33
PALUXY RIVER	20761.*	95.33	95.33	95.33
PALUXY RIVER	20665.6*	95.33	95.33	95.33
PALUXY RIVER	20570.3*	95.33	95.33	95.33
PALUXY RIVER	20475.*	95.33	95.33	95.33
PALUXY RIVER	20379.6*	95.33	95.33	95.33
PALUXY RIVER	20284.3*	95.33	95.33	95.33
PALUXY RIVER	20189.*	95.33	95.33	95.33
PALUXY RIVER	20093.6*	95.33	95.33	95.33
PALUXY RIVER	19998.3*	95.33	95.33	95.33
PALUXY RIVER	19903.*	95.33	95.33	95.33
PALUXY RIVER	19807.6*	95.33	95.33	95.33
PALUXY RIVER	19712.3*	95.33	95.33	95.33
PALUXY RIVER	19617.*	95.33	95.33	95.33
PALUXY RIVER	19521.6*	95.33	95.33	95.33
PALUXY RIVER	19426.3*	95.33	95.33	95.33
PALUXY RIVER	19331	2054	2054	2054
PALUXY RIVER	17277	1536	1536	1536
PALUXY RIVER	15741	1270	1270	1270
PALUXY RIVER	14471	145.86	145.86	145.86
PALUXY RIVER	14325.1*	145.86	145.86	145.86
PALUXY RIVER	14179.2*	145.86	145.86	145.86
PALUXY RIVER	14033.4*	145.86	145.86	145.86
PALUXY RIVER	13887.5*	145.86	145.86	145.86
PALUXY RIVER	13741.7*	145.86	145.86	145.86
PALUXY RIVER	13595.8*	145.86	145.86	145.86
PALUXY RIVER	13450	1321	1321	1321
PALUXY RIVER	12129	738	738	738
PALUXY RIVER	11391	49.7	49.7	49.7
PALUXY RIVER	11341.3*	49.7	49.7	49.7
PALUXY RIVER	11291.6*	49.7	49.7	49.7
PALUXY RIVER	11241.9*	49.7	49.7	49.7
PALUXY RIVER	11192.2*	49.7	49.7	49.7
PALUXY RIVER	11142.6*	49.7	49.7	49.7
PALUXY RIVER	11092.9*	49.7	49.7	49.7
PALUXY RIVER	11043.2*	49.7	49.7	49.7
PALUXY RIVER	10993.5*	49.7	49.7	49.7
PALUXY RIVER	10943.8*	49.7	49.7	49.7
PALUXY RIVER	10894.2*	49.7	49.7	49.7
PALUXY RIVER	10844.5*	49.7	49.7	49.7
PALUXY RIVER	10794.8*	49.7	49.7	49.7
PALUXY RIVER	10745.1*	49.7	49.7	49.7
PALUXY RIVER	10695.4*	49.7	49.7	49.7
PALUXY RIVER	10645.8*	49.7	49.7	49.7
PALUXY RIVER	10596.1*	49.7	49.7	49.7
PALUXY RIVER	10546.4*	49.7	49.7	49.7
PALUXY RIVER	10496.7*	49.7	49.7	49.7
PALUXY RIVER	10447.0*	49.7	49.7	49.7
PALUXY RIVER	10397.4*	49.7	49.7	49.7
PALUXY RIVER	10347.7*	49.7	49.7	49.7
PALUXY RIVER	10298.0*	49.7	49.7	49.7
PALUXY RIVER	10248.3*	49.7	49.7	49.7
PALUXY RIVER	10198.6*	49.7	49.7	49.7
PALUXY RIVER	10149.*	49.7	49.7	49.7
PALUXY RIVER	10099.3*	49.7	49.7	49.7
PALUXY RIVER	10049.6*	49.7	49.7	49.7
PALUXY RIVER	9999.96*	49.7	49.7	49.7
PALUXY RIVER	9950.28*	49.7	49.7	49.7
PALUXY RIVER	9900.6*	49.7	49.7	49.7
PALUXY RIVER	9850.92*	49.7	49.7	49.7
PALUXY RIVER	9801.24*	49.7	49.7	49.7
PALUXY RIVER	9751.56*	49.7	49.7	49.7
PALUXY RIVER	9701.88*	49.7	49.7	49.7
PALUXY RIVER	9652.2*	49.7	49.7	49.7
PALUXY RIVER	9602.52*	49.7	49.7	49.7
PALUXY RIVER	9552.84*	49.7	49.7	49.7

PALUXY RIVER	9503.16*	49.7	49.7	49.7
PALUXY RIVER	9453.48*	49.7	49.7	49.7
PALUXY RIVER	9403.8*	49.7	49.7	49.7
PALUXY RIVER	9354.12*	49.7	49.7	49.7
PALUXY RIVER	9304.43*	49.7	49.7	49.7
PALUXY RIVER	9254.76*	49.7	49.7	49.7
PALUXY RIVER	9205.08*	49.7	49.7	49.7
PALUXY RIVER	9155.4*	49.7	49.7	49.7
PALUXY RIVER	9105.72*	49.7	49.7	49.7
PALUXY RIVER	9056.04*	49.7	49.7	49.7
PALUXY RIVER	9006.36*	49.7	49.7	49.7
PALUXY RIVER	8956.68*	49.7	49.7	49.7
PALUXY RIVER	8907	45.86	45.86	45.86
PALUXY RIVER	8861.14*	45.86	45.86	45.86
PALUXY RIVER	8815.28*	45.86	45.86	45.86
PALUXY RIVER	8769.42*	45.86	45.86	45.86
PALUXY RIVER	8723.57*	45.86	45.86	45.86
PALUXY RIVER	8677.71*	45.86	45.86	45.86
PALUXY RIVER	8631.85*	45.86	45.86	45.86
PALUXY RIVER	8586.*	45.86	45.86	45.86
PALUXY RIVER	8540.14*	45.86	45.86	45.86
PALUXY RIVER	8494.28*	45.86	45.86	45.86
PALUXY RIVER	8448.42*	45.86	45.86	45.86
PALUXY RIVER	8402.57*	45.86	45.86	45.86
PALUXY RIVER	8356.71*	45.86	45.86	45.86
PALUXY RIVER	8310.85*	45.86	45.86	45.86
PALUXY RIVER	8265.*	45.86	45.86	45.86
PALUXY RIVER	8219.14*	45.86	45.86	45.86
PALUXY RIVER	8173.28*	45.86	45.86	45.86
PALUXY RIVER	8127.42*	45.86	45.86	45.86
PALUXY RIVER	8081.57*	45.86	45.86	45.86
PALUXY RIVER	8035.71*	45.86	45.86	45.86
PALUXY RIVER	7989.85*	45.86	45.86	45.86
PALUXY RIVER	7944	863.1	863.1	863.1
PALUXY RIVER	7080	14.97	14.97	14.97
PALUXY RIVER	7065.01*	14.97	14.97	14.97
PALUXY RIVER	7050.03*	14.97	14.97	14.97
PALUXY RIVER	7035.04*	14.97	14.97	14.97
PALUXY RIVER	7020.06*	14.97	14.97	14.97
PALUXY RIVER	7005.07*	14.97	14.97	14.97
PALUXY RIVER	6990.09*	14.97	14.97	14.97
PALUXY RIVER	6975.10*	14.97	14.97	14.97
PALUXY RIVER	6960.12*	14.97	14.97	14.97
PALUXY RIVER	6945.13*	14.97	14.97	14.97
PALUXY RIVER	6930.15*	14.97	14.97	14.97
PALUXY RIVER	6915.16*	14.97	14.97	14.97
PALUXY RIVER	6900.18*	14.97	14.97	14.97
PALUXY RIVER	6885.19*	14.97	14.97	14.97
PALUXY RIVER	6870.21*	14.97	14.97	14.97
PALUXY RIVER	6855.22*	14.97	14.97	14.97
PALUXY RIVER	6840.24*	14.97	14.97	14.97
PALUXY RIVER	6825.25*	14.97	14.97	14.97
PALUXY RIVER	6810.27*	14.97	14.97	14.97
PALUXY RIVER	6795.28*	14.97	14.97	14.97
PALUXY RIVER	6780.30*	14.97	14.97	14.97
PALUXY RIVER	6765.31*	14.97	14.97	14.97
PALUXY RIVER	6750.33*	14.97	14.97	14.97
PALUXY RIVER	6735.34*	14.97	14.97	14.97
PALUXY RIVER	6720.36*	14.97	14.97	14.97
PALUXY RIVER	6705.37*	14.97	14.97	14.97
PALUXY RIVER	6690.39*	14.97	14.97	14.97
PALUXY RIVER	6675.40*	14.97	14.97	14.97
PALUXY RIVER	6660.42*	14.97	14.97	14.97
PALUXY RIVER	6645.43*	14.97	14.97	14.97
PALUXY RIVER	6630.45*	14.97	14.97	14.97
PALUXY RIVER	6615.47*	14.97	14.97	14.97
PALUXY RIVER	6600.48*	14.97	14.97	14.97
PALUXY RIVER	6585.5*	14.97	14.97	14.97
PALUXY RIVER	6570.51*	14.97	14.97	14.97
PALUXY RIVER	6555.53*	14.97	14.97	14.97
PALUXY RIVER	6540.54*	14.97	14.97	14.97
PALUXY RIVER	6525.56*	14.97	14.97	14.97
PALUXY RIVER	6510.57*	14.97	14.97	14.97
PALUXY RIVER	6495.59*	14.97	14.97	14.97
PALUXY RIVER	6480.60*	14.97	14.97	14.97
PALUXY RIVER	6465.62*	14.97	14.97	14.97
PALUXY RIVER	6450.63*	14.97	14.97	14.97
PALUXY RIVER	6435.65*	14.97	14.97	14.97
PALUXY RIVER	6420.66*	14.97	14.97	14.97
PALUXY RIVER	6405.68*	14.97	14.97	14.97
PALUXY RIVER	6390.69*	14.97	14.97	14.97
PALUXY RIVER	6375.71*	14.97	14.97	14.97
PALUXY RIVER	6360.72*	14.97	14.97	14.97
PALUXY RIVER	6345.74*	14.97	14.97	14.97
PALUXY RIVER	6330.75*	14.97	14.97	14.97
PALUXY RIVER	6315.77*	14.97	14.97	14.97
PALUXY RIVER	6300.78*	14.97	14.97	14.97
PALUXY RIVER	6285.80*	14.97	14.97	14.97
PALUXY RIVER	6270.81*	14.97	14.97	14.97
PALUXY RIVER	6255.83*	14.97	14.97	14.97
PALUXY RIVER	6240.84*	14.97	14.97	14.97
PALUXY RIVER	6225.86*	14.97	14.97	14.97
PALUXY RIVER	6210.87*	14.97	14.97	14.97
PALUXY RIVER	6195.89*	14.97	14.97	14.97
PALUXY RIVER	6180.91*	14.97	14.97	14.97
PALUXY RIVER	6165.92*	14.97	14.97	14.97
PALUXY RIVER	6150.94*	14.97	14.97	14.97
PALUXY RIVER	6135.95*	14.97	14.97	14.97
PALUXY RIVER	6120.97*	14.97	14.97	14.97
PALUXY RIVER	6105.98*	14.97	14.97	14.97
PALUXY RIVER	6091.00*	14.97	14.97	14.97
PALUXY RIVER	6076.01*	14.97	14.97	14.97
PALUXY RIVER	6061.03*	14.97	14.97	14.97
PALUXY RIVER	6046.04*	14.97	14.97	14.97
PALUXY RIVER	6031.06*	14.97	14.97	14.97
PALUXY RIVER	6016.07*	14.97	14.97	14.97
PALUXY RIVER	6001.09*	14.97	14.97	14.97
PALUXY RIVER	5986.10*	14.97	14.97	14.97
PALUXY RIVER	5971.12*	14.97	14.97	14.97
PALUXY RIVER	5956.13*	14.97	14.97	14.97
PALUXY RIVER	5941.15*	14.97	14.97	14.97
PALUXY RIVER	5926.16*	14.97	14.97	14.97
PALUXY RIVER	5911.18*	14.97	14.97	14.97
PALUXY RIVER	5896.19*	14.97	14.97	14.97

PALUXY RIVER	5881.21*	14.97	14.97	14.97
PALUXY RIVER	5866.22*	14.97	14.97	14.97
PALUXY RIVER	5851.24*	14.97	14.97	14.97
PALUXY RIVER	5836.25*	14.97	14.97	14.97
PALUXY RIVER	5821.27*	14.97	14.97	14.97
PALUXY RIVER	5806.29*	14.97	14.97	14.97
PALUXY RIVER	5791.30*	14.97	14.97	14.97
PALUXY RIVER	5776.32*	14.97	14.97	14.97
PALUXY RIVER	5761.33*	14.97	14.97	14.97
PALUXY RIVER	5746.35*	14.97	14.97	14.97
PALUXY RIVER	5731.36*	14.97	14.97	14.97
PALUXY RIVER	5716.38*	14.97	14.97	14.97
PALUXY RIVER	5701.39*	14.97	14.97	14.97
PALUXY RIVER	5686.41*	14.97	14.97	14.97
PALUXY RIVER	5671.42*	14.97	14.97	14.97
PALUXY RIVER	5656.44*	14.97	14.97	14.97
PALUXY RIVER	5641.45*	14.97	14.97	14.97
PALUXY RIVER	5626.47*	14.97	14.97	14.97
PALUXY RIVER	5611.48*	14.97	14.97	14.97
PALUXY RIVER	5596.50*	14.97	14.97	14.97
PALUXY RIVER	5581.51*	14.97	14.97	14.97
PALUXY RIVER	5566.53*	14.97	14.97	14.97
PALUXY RIVER	5551.54*	14.97	14.97	14.97
PALUXY RIVER	5536.56*	14.97	14.97	14.97
PALUXY RIVER	5521.57*	14.97	14.97	14.97
PALUXY RIVER	5506.59*	14.97	14.97	14.97
PALUXY RIVER	5491.60*	14.97	14.97	14.97
PALUXY RIVER	5476.62*	14.97	14.97	14.97
PALUXY RIVER	5461.63*	14.97	14.97	14.97
PALUXY RIVER	5446.65*	14.97	14.97	14.97
PALUXY RIVER	5431.66*	14.97	14.97	14.97
PALUXY RIVER	5416.68*	14.97	14.97	14.97
PALUXY RIVER	5401.69*	14.97	14.97	14.97
PALUXY RIVER	5386.71*	14.97	14.97	14.97
PALUXY RIVER	5371.72*	14.97	14.97	14.97
PALUXY RIVER	5356.74*	14.97	14.97	14.97
PALUXY RIVER	5341.76*	14.97	14.97	14.97
PALUXY RIVER	5326.77*	14.97	14.97	14.97
PALUXY RIVER	5311.79*	14.97	14.97	14.97
PALUXY RIVER	5296.80*	14.97	14.97	14.97
PALUXY RIVER	5281.82*	14.97	14.97	14.97
PALUXY RIVER	5266.83*	14.97	14.97	14.97
PALUXY RIVER	5251.85*	14.97	14.97	14.97
PALUXY RIVER	5236.86*	14.97	14.97	14.97
PALUXY RIVER	5221.88*	14.97	14.97	14.97
PALUXY RIVER	5206.89*	14.97	14.97	14.97
PALUXY RIVER	5191.91*	14.97	14.97	14.97
PALUXY RIVER	5176.92*	14.97	14.97	14.97
PALUXY RIVER	5161.94*	14.97	14.97	14.97
PALUXY RIVER	5146.95*	14.97	14.97	14.97
PALUXY RIVER	5131.97*	14.97	14.97	14.97
PALUXY RIVER	5116.98*	14.97	14.97	14.97
PALUXY RIVER	5102	5	5	5
LOWER PALUXY	3838	98.77	98.77	98.77
LOWER PALUXY	3739.53*	98.77	98.77	98.77
LOWER PALUXY	3641.07*	98.77	98.77	98.77
LOWER PALUXY	3542.61*	98.77	98.77	98.77
LOWER PALUXY	3444.15*	98.77	98.77	98.77
LOWER PALUXY	3345.69*	98.77	98.77	98.77
LOWER PALUXY	3247.23*	98.77	98.77	98.77
LOWER PALUXY	3148.76*	98.77	98.77	98.77
LOWER PALUXY	3050.30*	98.77	98.77	98.77
LOWER PALUXY	2951.84*	98.77	98.77	98.77
LOWER PALUXY	2853.38*	98.77	98.77	98.77
LOWER PALUXY	2754.92*	98.77	98.77	98.77
LOWER PALUXY	2656.46*	98.77	98.77	98.77
LOWER PALUXY	2558	24.85	24.85	24.85
LOWER PALUXY	2533.24*	24.85	24.85	24.85
LOWER PALUXY	2508.48*	24.85	24.85	24.85
LOWER PALUXY	2483.72*	24.85	24.85	24.85
LOWER PALUXY	2458.97*	24.85	24.85	24.85
LOWER PALUXY	2434.21*	24.85	24.85	24.85
LOWER PALUXY	2409.45*	24.85	24.85	24.85
LOWER PALUXY	2384.69*	24.85	24.85	24.85
LOWER PALUXY	2359.93*	24.85	24.85	24.85
LOWER PALUXY	2335.18*	24.85	24.85	24.85
LOWER PALUXY	2310.42*	24.85	24.85	24.85
LOWER PALUXY	2285.66*	24.85	24.85	24.85
LOWER PALUXY	2260.90*	24.85	24.85	24.85
LOWER PALUXY	2236.15*	24.85	24.85	24.85
LOWER PALUXY	2211.39*	24.85	24.85	24.85
LOWER PALUXY	2186.63*	24.85	24.85	24.85
LOWER PALUXY	2161.87*	24.85	24.85	24.85
LOWER PALUXY	2137.12*	24.85	24.85	24.85
LOWER PALUXY	2112.36*	24.85	24.85	24.85
LOWER PALUXY	2087.60*	24.85	24.85	24.85
LOWER PALUXY	2062.84*	24.85	24.85	24.85
LOWER PALUXY	2038.09*	24.85	24.85	24.85
LOWER PALUXY	2013.33*	24.85	24.85	24.85
LOWER PALUXY	1988.57*	24.85	24.85	24.85
LOWER PALUXY	1963.81*	24.85	24.85	24.85
LOWER PALUXY	1939.06*	24.85	24.85	24.85
LOWER PALUXY	1914.30*	24.85	24.85	24.85
LOWER PALUXY	1889.54*	24.85	24.85	24.85
LOWER PALUXY	1864.78*	24.85	24.85	24.85
LOWER PALUXY	1840.03*	24.85	24.85	24.85
LOWER PALUXY	1815.27*	24.85	24.85	24.85
LOWER PALUXY	1790.51*	24.85	24.85	24.85
LOWER PALUXY	1765.75*	24.85	24.85	24.85
LOWER PALUXY	1741.*	24.85	24.85	24.85
LOWER PALUXY	1716.24*	24.85	24.85	24.85
LOWER PALUXY	1691.48*	24.85	24.85	24.85
LOWER PALUXY	1666.72*	24.85	24.85	24.85
LOWER PALUXY	1641.97*	24.85	24.85	24.85
LOWER PALUXY	1617.21*	24.85	24.85	24.85
LOWER PALUXY	1592.45*	24.85	24.85	24.85
LOWER PALUXY	1567.69*	24.85	24.85	24.85
LOWER PALUXY	1542.94*	24.85	24.85	24.85
LOWER PALUXY	1518.18*	24.85	24.85	24.85
LOWER PALUXY	1493.42*	24.85	24.85	24.85
LOWER PALUXY	1468.66*	24.85	24.85	24.85
LOWER PALUXY	1443.91*	24.85	24.85	24.85
LOWER PALUXY	1419.15*	24.85	24.85	24.85
LOWER PALUXY	1394.39*	24.85	24.85	24.85

LOWER PALUXY	1369.63*	24.85	24.85	24.85
LOWER PALUXY	1344.87*	24.85	24.85	24.85
LOWER PALUXY	1320.12*	24.85	24.85	24.85
LOWER PALUXY	1295.36*	24.85	24.85	24.85
LOWER PALUXY	1270.60*	24.85	24.85	24.85
LOWER PALUXY	1245.84*	24.85	24.85	24.85
LOWER PALUXY	1221.09*	24.85	24.85	24.85
LOWER PALUXY	1196.33*	24.85	24.85	24.85
LOWER PALUXY	1171.57*	24.85	24.85	24.85
LOWER PALUXY	1146.81*	24.85	24.85	24.85
LOWER PALUXY	1122.06*	24.85	24.85	24.85
LOWER PALUXY	1097.30*	24.85	24.85	24.85
LOWER PALUXY	1072.54*	24.85	24.85	24.85
LOWER PALUXY	1047.78*	24.85	24.85	24.85
LOWER PALUXY	1023.03*	24.85	24.85	24.85
LOWER PALUXY	998.273*	24.85	24.85	24.85
LOWER PALUXY	973.516*	24.85	24.85	24.85
LOWER PALUXY	948.758*	24.85	24.85	24.85
LOWER PALUXY	924	2.97	2.97	2.97
LOWER PALUXY	921.058*	2.97	2.97	2.97
LOWER PALUXY	918.117*	2.97	2.97	2.97
LOWER PALUXY	915.176*	2.97	2.97	2.97
LOWER PALUXY	912.235*	2.97	2.97	2.97
LOWER PALUXY	909.294*	2.97	2.97	2.97
LOWER PALUXY	906.353*	2.97	2.97	2.97
LOWER PALUXY	903.411*	2.97	2.97	2.97
LOWER PALUXY	900.470*	2.97	2.97	2.97
LOWER PALUXY	897.529*	2.97	2.97	2.97
LOWER PALUXY	894.588*	2.97	2.97	2.97
LOWER PALUXY	891.647*	2.97	2.97	2.97
LOWER PALUXY	888.705*	2.97	2.97	2.97
LOWER PALUXY	885.764*	2.97	2.97	2.97
LOWER PALUXY	882.823*	2.97	2.97	2.97
LOWER PALUXY	879.882*	2.97	2.97	2.97
LOWER PALUXY	876.941*	2.97	2.97	2.97
LOWER PALUXY	874	5	5	5

River: SQUAW CREEK

Reach	River Sta.	Left	Channel	Right
SC	24757	10	10	10
SC	24747	49	49	49
SC	24698.*	49	49	49
SC	24649.*	49	49	49
SC	24600	23.77	23.77	23.77
SC	24576.2*	23.77	23.77	23.77
SC	24552.4*	23.77	23.77	23.77
SC	24528.6*	23.77	23.77	23.77
SC	24504.9*	23.77	23.77	23.77
SC	24481.1*	23.77	23.77	23.77
SC	24457.3*	23.77	23.77	23.77
SC	24433.6*	23.77	23.77	23.77
SC	24409.8*	23.77	23.77	23.77
SC	24386.0*	23.77	23.77	23.77
SC	24362.3*	23.77	23.77	23.77
SC	24338.5*	23.77	23.77	23.77
SC	24314.7*	23.77	23.77	23.77
SC	24291	385	385	385
SC	23906	112.67	112.67	112.67
SC	23793.3*	112.67	112.67	112.67
SC	23680.6*	112.67	112.67	112.67
SC	23568	131	131	131
SC	23437.*	131	131	131
SC	23306.*	131	131	131
SC	23175.*	131	131	131
SC	23044	24.04	24.04	24.04
SC	23019.9*	24.04	24.04	24.04
SC	22995.8*	24.04	24.04	24.04
SC	22971.7*	24.04	24.04	24.04
SC	22947.6*	24.04	24.04	24.04
SC	22923.6*	24.04	24.04	24.04
SC	22899.5*	24.04	24.04	24.04
SC	22875.4*	24.04	24.04	24.04
SC	22851.3*	24.04	24.04	24.04
SC	22827.2*	24.04	24.04	24.04
SC	22803.2*	24.04	24.04	24.04
SC	22779.1*	24.04	24.04	24.04
SC	22755.0*	24.04	24.04	24.04
SC	22730.9*	24.04	24.04	24.04
SC	22706.8*	24.04	24.04	24.04
SC	22682.8*	24.04	24.04	24.04
SC	22658.7*	24.04	24.04	24.04
SC	22634.6*	24.04	24.04	24.04
SC	22610.5*	24.04	24.04	24.04
SC	22586.4*	24.04	24.04	24.04
SC	22562.4*	24.04	24.04	24.04
SC	22538.3*	24.04	24.04	24.04
SC	22514.2*	24.04	24.04	24.04
SC	22490.1*	24.04	24.04	24.04
SC	22466.0*	24.04	24.04	24.04
SC	22442	449	449	449
SC	21993	686	686	686
SC	21307	97.5	97.5	97.5
SC	21209.5*	97.5	97.5	97.5
SC	21112.*	97.5	97.5	97.5
SC	21014.5*	97.5	97.5	97.5
SC	20917.*	97.5	97.5	97.5
SC	20819.5*	97.5	97.5	97.5
SC	20722.*	97.5	97.5	97.5
SC	20624.5*	97.5	97.5	97.5
SC	20527.*	97.5	97.5	97.5
SC	20429.5*	97.5	97.5	97.5
SC	20332.*	97.5	97.5	97.5
SC	20234.5*	97.5	97.5	97.5
SC	20137	335.02	335.02	335.02
SC	19802	589	589	589
SC	19213	290	290	290
SC	18923	59	59	59
SC	18864	172.67	172.67	172.67
SC	18691.3*	172.67	172.67	172.67
SC	18518.6*	172.67	172.67	172.67
SC	18346	421	421	421

SC	17925	414	414	414
SC	17511	441	441	441
SC	17070	411	411	411
SC	16659	492	492	492
SC	16167	568	568	568
SC	15599	798	798	798
SC	14801	478	478	478
SC	14323	402	402	402
SC	13921	417	417	417
SC	13504	450	450	450
SC	13054	341	341	341
SC	12713	412	412	412
SC	12301	736	736	736
SC	11565	154	154	154
SC	11411	409	409	409
SC	11002	424	424	424
SC	10578	266	266	266
SC	10312	289	289	289
SC	10023	832	832	832
SC	9191	382	382	382
SC	8809	527	527	527
SC	8282	604	604	604
SC	7678	308	308	308
SC	7370	671	671	671
SC	6699	838	838	838
SC	5861	667	667	667
SC	5194	474	474	474
SC	4720	46.5	46.5	46.5
SC	4673.5*	46.5	46.5	46.5
SC	4627.*	46.5	46.5	46.5
SC	4580.5*	46.5	46.5	46.5
SC	4534.*	46.5	46.5	46.5
SC	4487.5*	46.5	46.5	46.5
SC	4441.*	46.5	46.5	46.5
SC	4394.5*	46.5	46.5	46.5
SC	4348.*	46.5	46.5	46.5
SC	4301.5*	46.5	46.5	46.5
SC	4255	45.5	45.5	45.5
SC	4209.5*	45.5	45.5	45.5
SC	4164.*	45.5	45.5	45.5
SC	4118.5*	45.5	45.5	45.5
SC	4073.*	45.5	45.5	45.5
SC	4027.5*	45.5	45.5	45.5
SC	3982.*	45.5	45.5	45.5
SC	3936.5*	45.5	45.5	45.5
SC	3891	448	448	448
SC	3443	143	143	143
SC	3300	243	243	243
SC	3057	127	127	127
SC	2930	242.06	242.06	242.06
SC	2688	239.04	239.04	239.04
SC	2449	252.96	252.96	252.96
SC	2196	62.5	62.5	62.5
SC	2133.5*	62.5	62.5	62.5
SC	2071.*	62.5	62.5	62.5
SC	2008.5*	62.5	62.5	62.5
SC	1946	4.95	4.95	4.95
SC	1941.04*	4.95	4.95	4.95
SC	1936.09*	4.95	4.95	4.95
SC	1931.14*	4.95	4.95	4.95
SC	1926.19*	4.95	4.95	4.95
SC	1921.24*	4.95	4.95	4.95
SC	1916.29*	4.95	4.95	4.95
SC	1911.34*	4.95	4.95	4.95
SC	1906.39*	4.95	4.95	4.95
SC	1901.44*	4.95	4.95	4.95
SC	1896.49*	4.95	4.95	4.95
SC	1891.54*	4.95	4.95	4.95
SC	1886.59*	4.95	4.95	4.95
SC	1881.64*	4.95	4.95	4.95
SC	1876.69*	4.95	4.95	4.95
SC	1871.74*	4.95	4.95	4.95
SC	1866.79*	4.95	4.95	4.95
SC	1861.83*	4.95	4.95	4.95
SC	1856.88*	4.95	4.95	4.95
SC	1851.93*	4.95	4.95	4.95
SC	1846.98*	4.95	4.95	4.95
SC	1842.03*	4.95	4.95	4.95
SC	1837.08*	4.95	4.95	4.95
SC	1832.13*	4.95	4.95	4.95
SC	1827.18*	4.95	4.95	4.95
SC	1822.23*	4.95	4.95	4.95
SC	1817.28*	4.95	4.95	4.95
SC	1812.33*	4.95	4.95	4.95
SC	1807.38*	4.95	4.95	4.95
SC	1802.43*	4.95	4.95	4.95
SC	1797.48*	4.95	4.95	4.95
SC	1792.53*	4.95	4.95	4.95
SC	1787.58*	4.95	4.95	4.95
SC	1782.63*	4.95	4.95	4.95
SC	1777.67*	4.95	4.95	4.95
SC	1772.72*	4.95	4.95	4.95
SC	1767.77*	4.95	4.95	4.95
SC	1762.82*	4.95	4.95	4.95
SC	1757.87*	4.95	4.95	4.95
SC	1752.92*	4.95	4.95	4.95
SC	1747.97*	4.95	4.95	4.95
SC	1743.02*	4.95	4.95	4.95
SC	1738.07*	4.95	4.95	4.95
SC	1733.12*	4.95	4.95	4.95
SC	1728.17*	4.95	4.95	4.95
SC	1723.22*	4.95	4.95	4.95
SC	1718.27*	4.95	4.95	4.95
SC	1713.32*	4.95	4.95	4.95
SC	1708.37*	4.95	4.95	4.95
SC	1703.42*	4.95	4.95	4.95
SC	1698.46*	4.95	4.95	4.95
SC	1693.51*	4.95	4.95	4.95
SC	1688.56*	4.95	4.95	4.95
SC	1683.61*	4.95	4.95	4.95
SC	1678.66*	4.95	4.95	4.95
SC	1673.71*	4.95	4.95	4.95
SC	1668.76*	4.95	4.95	4.95
SC	1663.81*	4.95	4.95	4.95

SC	1658.86*	4.95	4.95	4.95
SC	1653.91*	4.95	4.95	4.95
SC	1648.96*	4.95	4.95	4.95
SC	1644.01*	4.95	4.95	4.95
SC	1639.06*	4.95	4.95	4.95
SC	1634.11*	4.95	4.95	4.95
SC	1629.16*	4.95	4.95	4.95
SC	1624.21*	4.95	4.95	4.95
SC	1619.25*	4.95	4.95	4.95
SC	1614.30*	4.95	4.95	4.95
SC	1609.35*	4.95	4.95	4.95
SC	1604.40*	4.95	4.95	4.95
SC	1599.45*	4.95	4.95	4.95
SC	1594.50*	4.95	4.95	4.95
SC	1589.55*	4.95	4.95	4.95
SC	1584.60*	4.95	4.95	4.95
SC	1579.65*	4.95	4.95	4.95
SC	1574.70*	4.95	4.95	4.95
SC	1569.75*	4.95	4.95	4.95
SC	1564.80*	4.95	4.95	4.95
SC	1559.85*	4.95	4.95	4.95
SC	1554.90*	4.95	4.95	4.95
SC	1549.95*	4.95	4.95	4.95
SC	1545	.5	.5	.5
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SC	1333.*	.5	.5	.5
SC	1332.5*	.5	.5	.5
SC	1332.*	.5	.5	.5
SC	1331.5*	.5	.5	.5
SC	1331.*	.5	.5	.5
SC	1330.5*	.5	.5	.5
SC	1330.*	.5	.5	.5
SC	1329.5*	.5	.5	.5
SC	1329.*	.5	.5	.5

SC	1328.5*	.5	.5	.5
SC	1328.*	.5	.5	.5
SC	1327.5*	.5	.5	.5
SC	1327.*	.5	.5	.5
SC	1326.5*	.5	.5	.5
SC	1326.*	.5	.5	.5
SC	1325.5*	.5	.5	.5
SC	1325.*	.5	.5	.5
SC	1324.5*	.5	.5	.5
SC	1324.*	.5	.5	.5
SC	1323.5*	.5	.5	.5
SC	1323.*	.5	.5	.5
SC	1322.5*	.5	.5	.5
SC	1322.*	.5	.5	.5
SC	1321.5*	.5	.5	.5
SC	1321.*	.5	.5	.5
SC	1320.5*	.5	.5	.5
SC	1320.*	.5	.5	.5
SC	1319.5*	.5	.5	.5
SC	1319.*	.5	.5	.5
SC	1318.5*	.5	.5	.5
SC	1318.*	.5	.5	.5
SC	1317.5*	.5	.5	.5
SC	1317.*	.5	.5	.5
SC	1316.5*	.5	.5	.5
SC	1316.*	.5	.5	.5
SC	1315.5*	.5	.5	.5
SC	1315.*	.5	.5	.5
SC	1314.5*	.5	.5	.5
SC	1314.*	.5	.5	.5
SC	1313.5*	.5	.5	.5
SC	1313.*	.5	.5	.5
SC	1312.5*	.5	.5	.5
SC	1312.*	.5	.5	.5
SC	1311.5*	.5	.5	.5
SC	1311.*	.5	.5	.5
SC	1310.5*	.5	.5	.5
SC	1310.*	.5	.5	.5
SC	1309.5*	.5	.5	.5
SC	1309.*	.5	.5	.5
SC	1308.5*	.5	.5	.5
SC	1308.*	.5	.5	.5
SC	1307.5*	.5	.5	.5
SC	1307.*	.5	.5	.5
SC	1306.5*	.5	.5	.5
SC	1306.*	.5	.5	.5
SC	1305.5*	.5	.5	.5
SC	1305.*	.5	.5	.5
SC	1304.5*	.5	.5	.5
SC	1304.*	.5	.5	.5
SC	1303.5*	.5	.5	.5
SC	1303.*	.5	.5	.5
SC	1302.5*	.5	.5	.5
SC	1302.*	.5	.5	.5
SC	1301.5*	.5	.5	.5
SC	1301.*	.5	.5	.5
SC	1300.5*	.5	.5	.5
SC	1300.*	.5	.5	.5
SC	1299.5*	.5	.5	.5
SC	1299.*	.5	.5	.5
SC	1298.5*	.5	.5	.5
SC	1298.*	.5	.5	.5
SC	1297.5*	.5	.5	.5
SC	1297.*	.5	.5	.5
SC	1296.5*	.5	.5	.5
SC	1296.*	.5	.5	.5
SC	1295.5*	.5	.5	.5
SC	1295.*	.5	.5	.5
SC	1294.5*	.5	.5	.5
SC	1294.*	.5	.5	.5
SC	1293.5*	.5	.5	.5
SC	1293.*	.5	.5	.5
SC	1292.5*	.5	.5	.5
SC	1292.*	.5	.5	.5
SC	1291.5*	.5	.5	.5
SC	1291.*	.5	.5	.5
SC	1290.5*	.5	.5	.5
SC	1290.*	.5	.5	.5
SC	1289.5*	.5	.5	.5
SC	1289.*	.5	.5	.5
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SC	1286.*	.5	.5	.5
SC	1285.5*	.5	.5	.5
SC	1285.*	.5	.5	.5
SC	1284.5*	.5	.5	.5
SC	1284.*	.5	.5	.5
SC	1283.5*	.5	.5	.5
SC	1283.*	.5	.5	.5
SC	1282.5*	.5	.5	.5
SC	1282.*	.5	.5	.5
SC	1281.5*	.5	.5	.5
SC	1281.*	.5	.5	.5
SC	1280.5*	.5	.5	.5
SC	1280.*	.5	.5	.5
SC	1279.5*	.5	.5	.5
SC	1279.*	.5	.5	.5
SC	1278.5*	.5	.5	.5
SC	1278.*	.5	.5	.5
SC	1277.5*	.5	.5	.5
SC	1277.*	.5	.5	.5
SC	1276.5*	.5	.5	.5
SC	1276.*	.5	.5	.5
SC	1275.5*	.5	.5	.5
SC	1275.*	.5	.5	.5
SC	1274.5*	.5	.5	.5
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SC	1273.5*	.5	.5	.5
SC	1273.*	.5	.5	.5
SC	1272.5*	.5	.5	.5
SC	1272.*	.5	.5	.5

SC	1271.5*	.5	.5	.5
SC	1271.*	.5	.5	.5
SC	1270.5*	.5	.5	.5
SC	1270.*	.5	.5	.5
SC	1269.5*	.5	.5	.5
SC	1269.*	.5	.5	.5
SC	1268.5*	.5	.5	.5
SC	1268.*	.5	.5	.5
SC	1267.5*	.5	.5	.5
SC	1267.*	.5	.5	.5
SC	1266.5*	.5	.5	.5
SC	1266.*	.5	.5	.5
SC	1265.5*	.5	.5	.5
SC	1265.*	.5	.5	.5
SC	1264.5*	.5	.5	.5
SC	1264.*	.5	.5	.5
SC	1263.5*	.5	.5	.5
SC	1263.*	.5	.5	.5
SC	1262.5*	.5	.5	.5
SC	1262.*	.5	.5	.5
SC	1261.5*	.5	.5	.5
SC	1261.*	.5	.5	.5
SC	1260.5*	.5	.5	.5
SC	1260.*	.5	.5	.5
SC	1259.5*	.5	.5	.5
SC	1259.*	.5	.5	.5
SC	1258.5*	.5	.5	.5
SC	1258.*	.5	.5	.5
SC	1257.5*	.5	.5	.5
SC	1257.*	.5	.5	.5
SC	1256.5*	.5	.5	.5
SC	1256.*	.5	.5	.5
SC	1255.5*	.5	.5	.5
SC	1255.*	.5	.5	.5
SC	1254.5*	.5	.5	.5
SC	1254.*	.5	.5	.5
SC	1253.5*	.5	.5	.5
SC	1253.*	.5	.5	.5
SC	1252.5*	.5	.5	.5
SC	1252.*	.5	.5	.5
SC	1251.5*	.5	.5	.5
SC	1251.*	.5	.5	.5
SC	1250.5*	.5	.5	.5
SC	1250.*	.5	.5	.5
SC	1249.5*	.5	.5	.5
SC	1249.*	.5	.5	.5
SC	1248.5*	.5	.5	.5
SC	1248.*	.5	.5	.5
SC	1247.5*	.5	.5	.5
SC	1247.*	.5	.5	.5
SC	1246.5*	.5	.5	.5
SC	1246.*	.5	.5	.5
SC	1245.5*	.5	.5	.5
SC	1245.*	.5	.5	.5
SC	1244.5*	.5	.5	.5
SC	1244.*	.5	.5	.5
SC	1243.5*	.5	.5	.5
SC	1243.*	.5	.5	.5
SC	1242.5*	.5	.5	.5
SC	1242.*	.5	.5	.5
SC	1241.5*	.5	.5	.5
SC	1241.*	.5	.5	.5
SC	1240.5*	.5	.5	.5
SC	1240.*	.5	.5	.5
SC	1239.5*	.5	.5	.5
SC	1239.*	.5	.5	.5
SC	1238.5*	.5	.5	.5
SC	1238.*	.5	.5	.5
SC	1237.5*	.5	.5	.5
SC	1237.*	.5	.5	.5
SC	1236.5*	.5	.5	.5
SC	1236.*	.5	.5	.5
SC	1235.5*	.5	.5	.5
SC	1235.*	.5	.5	.5
SC	1234.5*	.5	.5	.5
SC	1234.*	.5	.5	.5
SC	1233.5*	.5	.5	.5
SC	1233.*	.5	.5	.5
SC	1232.5*	.5	.5	.5
SC	1232.*	.5	.5	.5
SC	1231.5*	.5	.5	.5
SC	1231.*	.5	.5	.5
SC	1230.5*	.5	.5	.5
SC	1230.*	.5	.5	.5
SC	1229.5*	.5	.5	.5
SC	1229.*	.5	.5	.5
SC	1228.5*	.5	.5	.5
SC	1228.*	.5	.5	.5
SC	1227.5*	.5	.5	.5
SC	1227.*	.5	.5	.5
SC	1226.5*	.5	.5	.5
SC	1226.*	.5	.5	.5
SC	1225.5*	.5	.5	.5
SC	1225.*	.5	.5	.5
SC	1224.5*	.5	.5	.5
SC	1224.*	.5	.5	.5
SC	1223.5*	.5	.5	.5
SC	1223.*	.5	.5	.5
SC	1222.5*	.5	.5	.5
SC	1222.*	.5	.5	.5
SC	1221.5*	.5	.5	.5
SC	1221.*	.5	.5	.5
SC	1220.5*	.5	.5	.5
SC	1220.*	.5	.5	.5
SC	1219.5*	.5	.5	.5
SC	1219.*	.5	.5	.5
SC	1218.5*	.5	.5	.5
SC	1218.*	.5	.5	.5
SC	1217.5*	.5	.5	.5
SC	1217.*	.5	.5	.5
SC	1216.5*	.5	.5	.5
SC	1216.*	.5	.5	.5
SC	1215.5*	.5	.5	.5
SC	1215.*	.5	.5	.5

SC	1214.5*	.5	.5	.5
SC	1214	2.94	2.94	2.94
SC	1211.05*	2.94	2.94	2.94
SC	1208.11*	2.94	2.94	2.94
SC	1205.17*	2.94	2.94	2.94
SC	1202.23*	2.94	2.94	2.94
SC	1199.29*	2.94	2.94	2.94
SC	1196.35*	2.94	2.94	2.94
SC	1193.41*	2.94	2.94	2.94
SC	1190.47*	2.94	2.94	2.94
SC	1187.52*	2.94	2.94	2.94
SC	1184.58*	2.94	2.94	2.94
SC	1181.64*	2.94	2.94	2.94
SC	1178.70*	2.94	2.94	2.94
SC	1175.76*	2.94	2.94	2.94
SC	1172.82*	2.94	2.94	2.94
SC	1169.88*	2.94	2.94	2.94
SC	1166.94*	2.94	2.94	2.94
SC	1164	5	5	5

SUMMARY OF CONTRACTION AND EXPANSION COEFFICIENTS
River: BRAZOS

Reach	River Sta.	Contr.	Expan.
UPPER BRAZOS	276887	.1	.3
UPPER BRAZOS	276884.*	.1	.3
UPPER BRAZOS	276881.*	.1	.3
UPPER BRAZOS	276878.*	.1	.3
UPPER BRAZOS	276875.*	.1	.3
UPPER BRAZOS	276872.*	.1	.3
UPPER BRAZOS	276869.*	.1	.3
UPPER BRAZOS	276866.*	.1	.3
UPPER BRAZOS	276863.*	.1	.3
UPPER BRAZOS	276860.*	.1	.3
UPPER BRAZOS	276857.*	.1	.3
UPPER BRAZOS	276854.*	.1	.3
UPPER BRAZOS	276852.*	.1	.3
UPPER BRAZOS	276849.*	.1	.3
UPPER BRAZOS	276846.*	.1	.3
UPPER BRAZOS	276843.*	.1	.3
UPPER BRAZOS	276840.*	.1	.3
UPPER BRAZOS	276837.*	.1	.3
UPPER BRAZOS	276834.*	.1	.3
UPPER BRAZOS	276831.*	.1	.3
UPPER BRAZOS	276828.*	.1	.3
UPPER BRAZOS	276825.*	.1	.3
UPPER BRAZOS	276822.*	.1	.3
UPPER BRAZOS	276819.*	.1	.3
UPPER BRAZOS	276817.*	.1	.3
UPPER BRAZOS	276814.*	.1	.3
UPPER BRAZOS	276811.*	.1	.3
UPPER BRAZOS	276808.*	.1	.3
UPPER BRAZOS	276805.*	.1	.3
UPPER BRAZOS	276802.*	.1	.3
UPPER BRAZOS	276799.*	.1	.3
UPPER BRAZOS	276796.*	.1	.3
UPPER BRAZOS	276793.*	.1	.3
UPPER BRAZOS	276790.*	.1	.3
UPPER BRAZOS	276787.*	.1	.3
UPPER BRAZOS	276784.*	.1	.3
UPPER BRAZOS	276781.*	.1	.3
UPPER BRAZOS	276779.*	.1	.3
UPPER BRAZOS	276776.*	.1	.3
UPPER BRAZOS	276773.*	.1	.3
UPPER BRAZOS	276770.*	.1	.3
UPPER BRAZOS	276767.*	.1	.3
UPPER BRAZOS	276764.*	.1	.3
UPPER BRAZOS	276761.*	.1	.3
UPPER BRAZOS	276758.*	.1	.3
UPPER BRAZOS	276755.*	.1	.3
UPPER BRAZOS	276752.*	.1	.3
UPPER BRAZOS	276749.*	.1	.3
UPPER BRAZOS	276746.*	.1	.3
UPPER BRAZOS	276744.*	.1	.3
UPPER BRAZOS	276741.*	.1	.3
UPPER BRAZOS	276738.*	.1	.3
UPPER BRAZOS	276735.*	.1	.3
UPPER BRAZOS	276732.*	.1	.3
UPPER BRAZOS	276729.*	.1	.3
UPPER BRAZOS	276726.*	.1	.3
UPPER BRAZOS	276723.*	.1	.3
UPPER BRAZOS	276720.*	.1	.3
UPPER BRAZOS	276717.*	.1	.3
UPPER BRAZOS	276714.*	.1	.3
UPPER BRAZOS	276711.*	.1	.3
UPPER BRAZOS	276709.*	.1	.3
UPPER BRAZOS	276706.*	.1	.3
UPPER BRAZOS	276703.*	.1	.3
UPPER BRAZOS	276700.*	.1	.3
UPPER BRAZOS	276697.*	.1	.3
UPPER BRAZOS	276694.*	.1	.3
UPPER BRAZOS	276691.*	.1	.3
UPPER BRAZOS	276688.*	.1	.3
UPPER BRAZOS	276685.*	.1	.3
UPPER BRAZOS	276682.*	.1	.3
UPPER BRAZOS	276679.*	.1	.3
UPPER BRAZOS	276676.*	.1	.3
UPPER BRAZOS	276674.*	.1	.3
UPPER BRAZOS	276671.*	.1	.3
UPPER BRAZOS	276668.*	.1	.3
UPPER BRAZOS	276665.*	.1	.3
UPPER BRAZOS	276662.*	.1	.3
UPPER BRAZOS	276659.*	.1	.3
UPPER BRAZOS	276656.*	.1	.3
UPPER BRAZOS	276653.*	.1	.3
UPPER BRAZOS	276650.*	.1	.3
UPPER BRAZOS	276647.*	.1	.3
UPPER BRAZOS	276644.*	.1	.3
UPPER BRAZOS	276641.*	.1	.3

UPPER BRAZOS	276639.*	.1	.3
UPPER BRAZOS	276636.*	.1	.3
UPPER BRAZOS	276633.*	.1	.3
UPPER BRAZOS	276630.*	.1	.3
UPPER BRAZOS	276627.*	.1	.3
UPPER BRAZOS	276624.*	.1	.3
UPPER BRAZOS	276621.*	.1	.3
UPPER BRAZOS	276618.*	.1	.3
UPPER BRAZOS	276615.*	.1	.3
UPPER BRAZOS	276612.*	.1	.3
UPPER BRAZOS	276609.*	.1	.3
UPPER BRAZOS	276606.*	.1	.3
UPPER BRAZOS	276604.*	.1	.3
UPPER BRAZOS	276601.*	.1	.3
UPPER BRAZOS	276598.*	.1	.3
UPPER BRAZOS	276595.*	.1	.3
UPPER BRAZOS	276592.*	.1	.3
UPPER BRAZOS	276589.*	.1	.3
UPPER BRAZOS	276586.*	.1	.3
UPPER BRAZOS	276583.*	.1	.3
UPPER BRAZOS	276580.*	.1	.3
UPPER BRAZOS	276577.*	.1	.3
UPPER BRAZOS	276574.*	.1	.3
UPPER BRAZOS	276571.*	.1	.3
UPPER BRAZOS	276568.*	.1	.3
UPPER BRAZOS	276566.*	.1	.3
UPPER BRAZOS	276563.*	.1	.3
UPPER BRAZOS	276560.*	.1	.3
UPPER BRAZOS	276557.*	.1	.3
UPPER BRAZOS	276554.*	.1	.3
UPPER BRAZOS	276551.*	.1	.3
UPPER BRAZOS	276548.*	.1	.3
UPPER BRAZOS	276545.*	.1	.3
UPPER BRAZOS	276542.*	.1	.3
UPPER BRAZOS	276539.*	.1	.3
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UPPER BRAZOS	276522.*	.1	.3
UPPER BRAZOS	276519.*	.1	.3
UPPER BRAZOS	276516.*	.1	.3
UPPER BRAZOS	276513.*	.1	.3
UPPER BRAZOS	276510.*	.1	.3
UPPER BRAZOS	276507.*	.1	.3
UPPER BRAZOS	276504.*	.1	.3
UPPER BRAZOS	276501.*	.1	.3
UPPER BRAZOS	276498.*	.1	.3
UPPER BRAZOS	276496.*	.1	.3
UPPER BRAZOS	276493.*	.1	.3
UPPER BRAZOS	276490.*	.1	.3
UPPER BRAZOS	276487.*	.1	.3
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UPPER BRAZOS	276481.*	.1	.3
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UPPER BRAZOS	276475.*	.1	.3
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UPPER BRAZOS	276469.*	.1	.3
UPPER BRAZOS	276466.*	.1	.3
UPPER BRAZOS	276463.*	.1	.3
UPPER BRAZOS	276461.*	.1	.3
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UPPER BRAZOS	276443.*	.1	.3
UPPER BRAZOS	276440.*	.1	.3
UPPER BRAZOS	276437.*	.1	.3
UPPER BRAZOS	276434.*	.1	.3
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UPPER BRAZOS	276428.*	.1	.3
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UPPER BRAZOS	276423.*	.1	.3
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UPPER BRAZOS	276411.*	.1	.3
UPPER BRAZOS	276408.*	.1	.3
UPPER BRAZOS	276405.*	.1	.3
UPPER BRAZOS	276402.*	.1	.3
UPPER BRAZOS	276399.*	.1	.3
UPPER BRAZOS	276396.*	.1	.3
UPPER BRAZOS	276393.*	.1	.3
UPPER BRAZOS	276390.*	.1	.3
UPPER BRAZOS	276388.*	.1	.3
UPPER BRAZOS	276385.*	.1	.3
UPPER BRAZOS	276382.*	.1	.3
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UPPER BRAZOS	276370.*	.1	.3
UPPER BRAZOS	276367.*	.1	.3
UPPER BRAZOS	276364.*	.1	.3
UPPER BRAZOS	276361.*	.1	.3
UPPER BRAZOS	276358.*	.1	.3
UPPER BRAZOS	276355.*	.1	.3
UPPER BRAZOS	276353.*	.1	.3
UPPER BRAZOS	276350.*	.1	.3
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UPPER BRAZOS	273980.*	.1	.3

UPPER BRAZOS	273977.*	.1	.3
UPPER BRAZOS	273974.*	.1	.3
UPPER BRAZOS	273971.*	.1	.3
UPPER BRAZOS	273969	.1	.3

River: BRAZOS RIVER

Reach	River Sta.	Contr.	Expan.
LOWER BRAZOS	268430	.1	.3
LOWER BRAZOS	268425.*	.1	.3
LOWER BRAZOS	268420.*	.1	.3
LOWER BRAZOS	268415.*	.1	.3
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LOWER BRAZOS	268390.*	.1	.3
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LOWER BRAZOS	268370.*	.1	.3
LOWER BRAZOS	268365.*	.1	.3
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LOWER BRAZOS	268355.*	.1	.3
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LOWER BRAZOS	266318.*	.1	.3
LOWER BRAZOS	266313.*	.1	.3
LOWER BRAZOS	266308.*	.1	.3
LOWER BRAZOS	266303.*	.1	.3
LOWER BRAZOS	266298	.1	.3

River: PALUXY

Reach	River Sta.	Contr.	Expan.
PALUXY RIVER	25092	.1	.3
PALUXY RIVER	22745	.1	.3
PALUXY RIVER	22735.0*	.1	.3
PALUXY RIVER	22725.0*	.1	.3
PALUXY RIVER	22715.0*	.1	.3
PALUXY RIVER	22705.0*	.1	.3
PALUXY RIVER	22695.0*	.1	.3
PALUXY RIVER	22685.0*	.1	.3
PALUXY RIVER	22675.0*	.1	.3
PALUXY RIVER	22665.0*	.1	.3
PALUXY RIVER	22655.1*	.1	.3
PALUXY RIVER	22645.1*	.1	.3

PALUXY RIVER	22635.1*	.1	.3
PALUXY RIVER	22625.1*	.1	.3
PALUXY RIVER	22615.1*	.1	.3
PALUXY RIVER	22605.1*	.1	.3
PALUXY RIVER	22595.1*	.1	.3
PALUXY RIVER	22585.1*	.1	.3
PALUXY RIVER	22575.2*	.1	.3
PALUXY RIVER	22565.2*	.1	.3
PALUXY RIVER	22555.2*	.1	.3
PALUXY RIVER	22545.2*	.1	.3
PALUXY RIVER	22535.2*	.1	.3
PALUXY RIVER	22525.2*	.1	.3
PALUXY RIVER	22515.2*	.1	.3
PALUXY RIVER	22505.2*	.1	.3
PALUXY RIVER	22495.2*	.1	.3
PALUXY RIVER	22485.3*	.1	.3
PALUXY RIVER	22475.3*	.1	.3
PALUXY RIVER	22465.3*	.1	.3
PALUXY RIVER	22455.3*	.1	.3
PALUXY RIVER	22445.3*	.1	.3
PALUXY RIVER	22435.3*	.1	.3
PALUXY RIVER	22425.3*	.1	.3
PALUXY RIVER	22415.3*	.1	.3
PALUXY RIVER	22405.4*	.1	.3
PALUXY RIVER	22395.4*	.1	.3
PALUXY RIVER	22385.4*	.1	.3
PALUXY RIVER	22375.4*	.1	.3
PALUXY RIVER	22365.4*	.1	.3
PALUXY RIVER	22355.4*	.1	.3
PALUXY RIVER	22345.4*	.1	.3
PALUXY RIVER	22335.4*	.1	.3
PALUXY RIVER	22325.4*	.1	.3
PALUXY RIVER	22315.5*	.1	.3
PALUXY RIVER	22305.5*	.1	.3
PALUXY RIVER	22295.5*	.1	.3
PALUXY RIVER	22285.5*	.1	.3
PALUXY RIVER	22275.5*	.1	.3
PALUXY RIVER	22265.5*	.1	.3
PALUXY RIVER	22255.5*	.1	.3
PALUXY RIVER	22245.5*	.1	.3
PALUXY RIVER	22235.6*	.1	.3
PALUXY RIVER	22225.6*	.1	.3
PALUXY RIVER	22215.6*	.1	.3
PALUXY RIVER	22205.6*	.1	.3
PALUXY RIVER	22195.6*	.1	.3
PALUXY RIVER	22185.6*	.1	.3
PALUXY RIVER	22175.6*	.1	.3
PALUXY RIVER	22165.6*	.1	.3
PALUXY RIVER	22155.6*	.1	.3
PALUXY RIVER	22145.7*	.1	.3
PALUXY RIVER	22135.7*	.1	.3
PALUXY RIVER	22125.7*	.1	.3
PALUXY RIVER	22115.7*	.1	.3
PALUXY RIVER	22105.7*	.1	.3
PALUXY RIVER	22095.7*	.1	.3
PALUXY RIVER	22085.7*	.1	.3
PALUXY RIVER	22075.7*	.1	.3
PALUXY RIVER	22065.8*	.1	.3
PALUXY RIVER	22055.8*	.1	.3
PALUXY RIVER	22045.8*	.1	.3
PALUXY RIVER	22035.8*	.1	.3
PALUXY RIVER	22025.8*	.1	.3
PALUXY RIVER	22015.8*	.1	.3
PALUXY RIVER	22005.8*	.1	.3
PALUXY RIVER	21995.8*	.1	.3
PALUXY RIVER	21985.8*	.1	.3
PALUXY RIVER	21975.9*	.1	.3
PALUXY RIVER	21965.9*	.1	.3
PALUXY RIVER	21955.9*	.1	.3
PALUXY RIVER	21945.9*	.1	.3
PALUXY RIVER	21935.9*	.1	.3
PALUXY RIVER	21925.9*	.1	.3
PALUXY RIVER	21915.9*	.1	.3
PALUXY RIVER	21905.9*	.1	.3
PALUXY RIVER	21896.*	.1	.3
PALUXY RIVER	21886.0*	.1	.3
PALUXY RIVER	21876.0*	.1	.3
PALUXY RIVER	21866.0*	.1	.3
PALUXY RIVER	21856.0*	.1	.3
PALUXY RIVER	21846.0*	.1	.3
PALUXY RIVER	21836.0*	.1	.3
PALUXY RIVER	21826.0*	.1	.3
PALUXY RIVER	21816.1*	.1	.3
PALUXY RIVER	21806.1*	.1	.3
PALUXY RIVER	21796.1*	.1	.3
PALUXY RIVER	21786.1*	.1	.3
PALUXY RIVER	21776.1*	.1	.3
PALUXY RIVER	21766.1*	.1	.3
PALUXY RIVER	21756.1*	.1	.3
PALUXY RIVER	21746.1*	.1	.3
PALUXY RIVER	21736.1*	.1	.3
PALUXY RIVER	21726.2*	.1	.3
PALUXY RIVER	21716.2*	.1	.3
PALUXY RIVER	21706.2*	.1	.3
PALUXY RIVER	21696.2*	.1	.3
PALUXY RIVER	21686.2*	.1	.3
PALUXY RIVER	21676.2*	.1	.3
PALUXY RIVER	21666.2*	.1	.3
PALUXY RIVER	21656.2*	.1	.3
PALUXY RIVER	21646.2*	.1	.3
PALUXY RIVER	21636.3*	.1	.3
PALUXY RIVER	21626.3*	.1	.3
PALUXY RIVER	21616.3*	.1	.3
PALUXY RIVER	21606.3*	.1	.3
PALUXY RIVER	21596.3*	.1	.3
PALUXY RIVER	21586.3*	.1	.3
PALUXY RIVER	21576.3*	.1	.3
PALUXY RIVER	21566.3*	.1	.3
PALUXY RIVER	21556.4*	.1	.3
PALUXY RIVER	21546.4*	.1	.3
PALUXY RIVER	21536.4*	.1	.3
PALUXY RIVER	21526.4*	.1	.3
PALUXY RIVER	21516.4*	.1	.3
PALUXY RIVER	21506.4*	.1	.3

PALUXY RIVER	21496.4*	.1	.3
PALUXY RIVER	21486.4*	.1	.3
PALUXY RIVER	21476.5*	.1	.3
PALUXY RIVER	21466.5*	.1	.3
PALUXY RIVER	21456.5*	.1	.3
PALUXY RIVER	21446.5*	.1	.3
PALUXY RIVER	21436.5*	.1	.3
PALUXY RIVER	21426.5*	.1	.3
PALUXY RIVER	21416.5*	.1	.3
PALUXY RIVER	21406.5*	.1	.3
PALUXY RIVER	21396.5*	.1	.3
PALUXY RIVER	21386.6*	.1	.3
PALUXY RIVER	21376.6*	.1	.3
PALUXY RIVER	21366.6*	.1	.3
PALUXY RIVER	21356.6*	.1	.3
PALUXY RIVER	21346.6*	.1	.3
PALUXY RIVER	21336.6*	.1	.3
PALUXY RIVER	21326.6*	.1	.3
PALUXY RIVER	21316.6*	.1	.3
PALUXY RIVER	21306.7*	.1	.3
PALUXY RIVER	21296.7*	.1	.3
PALUXY RIVER	21286.7*	.1	.3
PALUXY RIVER	21276.7*	.1	.3
PALUXY RIVER	21266.7*	.1	.3
PALUXY RIVER	21256.7*	.1	.3
PALUXY RIVER	21246.7*	.1	.3
PALUXY RIVER	21236.7*	.1	.3
PALUXY RIVER	21226.7*	.1	.3
PALUXY RIVER	21216.8*	.1	.3
PALUXY RIVER	21206.8*	.1	.3
PALUXY RIVER	21196.8*	.1	.3
PALUXY RIVER	21186.8*	.1	.3
PALUXY RIVER	21176.8*	.1	.3
PALUXY RIVER	21166.8*	.1	.3
PALUXY RIVER	21156.8*	.1	.3
PALUXY RIVER	21146.8*	.1	.3
PALUXY RIVER	21136.9*	.1	.3
PALUXY RIVER	21126.9*	.1	.3
PALUXY RIVER	21116.9*	.1	.3
PALUXY RIVER	21106.9*	.1	.3
PALUXY RIVER	21096.9*	.1	.3
PALUXY RIVER	21086.9*	.1	.3
PALUXY RIVER	21076.9*	.1	.3
PALUXY RIVER	21066.9*	.1	.3
PALUXY RIVER	21056.9*	.1	.3
PALUXY RIVER	21047	.1	.3
PALUXY RIVER	20951.6*	.1	.3
PALUXY RIVER	20856.3*	.1	.3
PALUXY RIVER	20761.*	.1	.3
PALUXY RIVER	20665.6*	.1	.3
PALUXY RIVER	20570.3*	.1	.3
PALUXY RIVER	20475.*	.1	.3
PALUXY RIVER	20379.6*	.1	.3
PALUXY RIVER	20284.3*	.1	.3
PALUXY RIVER	20189.*	.1	.3
PALUXY RIVER	20093.6*	.1	.3
PALUXY RIVER	19998.3*	.1	.3
PALUXY RIVER	19903.*	.1	.3
PALUXY RIVER	19807.6*	.1	.3
PALUXY RIVER	19712.3*	.1	.3
PALUXY RIVER	19617.*	.1	.3
PALUXY RIVER	19521.6*	.1	.3
PALUXY RIVER	19426.3*	.1	.3
PALUXY RIVER	19331	.1	.3
PALUXY RIVER	17277	.1	.3
PALUXY RIVER	15741	.1	.3
PALUXY RIVER	14471	.1	.3
PALUXY RIVER	14325.1*	.1	.3
PALUXY RIVER	14179.2*	.1	.3
PALUXY RIVER	14033.4*	.1	.3
PALUXY RIVER	13887.5*	.1	.3
PALUXY RIVER	13741.7*	.1	.3
PALUXY RIVER	13595.8*	.1	.3
PALUXY RIVER	13450	.1	.3
PALUXY RIVER	12129	.1	.3
PALUXY RIVER	11391	.1	.3
PALUXY RIVER	11341.3*	.1	.3
PALUXY RIVER	11291.6*	.1	.3
PALUXY RIVER	11241.9*	.1	.3
PALUXY RIVER	11192.2*	.1	.3
PALUXY RIVER	11142.6*	.1	.3
PALUXY RIVER	11092.9*	.1	.3
PALUXY RIVER	11043.2*	.1	.3
PALUXY RIVER	10993.5*	.1	.3
PALUXY RIVER	10943.8*	.1	.3
PALUXY RIVER	10894.2*	.1	.3
PALUXY RIVER	10844.5*	.1	.3
PALUXY RIVER	10794.8*	.1	.3
PALUXY RIVER	10745.1*	.1	.3
PALUXY RIVER	10695.4*	.1	.3
PALUXY RIVER	10645.8*	.1	.3
PALUXY RIVER	10596.1*	.1	.3
PALUXY RIVER	10546.4*	.1	.3
PALUXY RIVER	10496.7*	.1	.3
PALUXY RIVER	10447.0*	.1	.3
PALUXY RIVER	10397.4*	.1	.3
PALUXY RIVER	10347.7*	.1	.3
PALUXY RIVER	10298.0*	.1	.3
PALUXY RIVER	10248.3*	.1	.3
PALUXY RIVER	10198.6*	.1	.3
PALUXY RIVER	10149.*	.1	.3
PALUXY RIVER	10099.3*	.1	.3
PALUXY RIVER	10049.6*	.1	.3
PALUXY RIVER	9999.96*	.1	.3
PALUXY RIVER	9950.28*	.1	.3
PALUXY RIVER	9900.6*	.1	.3
PALUXY RIVER	9850.92*	.1	.3
PALUXY RIVER	9801.24*	.1	.3
PALUXY RIVER	9751.56*	.1	.3
PALUXY RIVER	9701.88*	.1	.3
PALUXY RIVER	9652.2*	.1	.3
PALUXY RIVER	9602.52*	.1	.3
PALUXY RIVER	9552.84*	.1	.3
PALUXY RIVER	9503.16*	.1	.3

PALUXY RIVER	9453.48*	.1	.3
PALUXY RIVER	9403.8*	.1	.3
PALUXY RIVER	9354.12*	.1	.3
PALUXY RIVER	9304.43*	.1	.3
PALUXY RIVER	9254.76*	.1	.3
PALUXY RIVER	9205.08*	.1	.3
PALUXY RIVER	9155.4*	.1	.3
PALUXY RIVER	9105.72*	.1	.3
PALUXY RIVER	9056.04*	.1	.3
PALUXY RIVER	9006.36*	.1	.3
PALUXY RIVER	8956.68*	.1	.3
PALUXY RIVER	8907	.1	.3
PALUXY RIVER	8861.14*	.1	.3
PALUXY RIVER	8815.28*	.1	.3
PALUXY RIVER	8769.42*	.1	.3
PALUXY RIVER	8723.57*	.1	.3
PALUXY RIVER	8677.71*	.1	.3
PALUXY RIVER	8631.85*	.1	.3
PALUXY RIVER	8586.*	.1	.3
PALUXY RIVER	8540.14*	.1	.3
PALUXY RIVER	8494.28*	.1	.3
PALUXY RIVER	8448.42*	.1	.3
PALUXY RIVER	8402.57*	.1	.3
PALUXY RIVER	8356.71*	.1	.3
PALUXY RIVER	8310.85*	.1	.3
PALUXY RIVER	8265.*	.1	.3
PALUXY RIVER	8219.14*	.1	.3
PALUXY RIVER	8173.28*	.1	.3
PALUXY RIVER	8127.42*	.1	.3
PALUXY RIVER	8081.57*	.1	.3
PALUXY RIVER	8035.71*	.1	.3
PALUXY RIVER	7989.85*	.1	.3
PALUXY RIVER	7944	.1	.3
PALUXY RIVER	7080	.1	.3
PALUXY RIVER	7065.01*	.1	.3
PALUXY RIVER	7050.03*	.1	.3
PALUXY RIVER	7035.04*	.1	.3
PALUXY RIVER	7020.06*	.1	.3
PALUXY RIVER	7005.07*	.1	.3
PALUXY RIVER	6990.09*	.1	.3
PALUXY RIVER	6975.10*	.1	.3
PALUXY RIVER	6960.12*	.1	.3
PALUXY RIVER	6945.13*	.1	.3
PALUXY RIVER	6930.15*	.1	.3
PALUXY RIVER	6915.16*	.1	.3
PALUXY RIVER	6900.18*	.1	.3
PALUXY RIVER	6885.19*	.1	.3
PALUXY RIVER	6870.21*	.1	.3
PALUXY RIVER	6855.22*	.1	.3
PALUXY RIVER	6840.24*	.1	.3
PALUXY RIVER	6825.25*	.1	.3
PALUXY RIVER	6810.27*	.1	.3
PALUXY RIVER	6795.28*	.1	.3
PALUXY RIVER	6780.30*	.1	.3
PALUXY RIVER	6765.31*	.1	.3
PALUXY RIVER	6750.33*	.1	.3
PALUXY RIVER	6735.34*	.1	.3
PALUXY RIVER	6720.36*	.1	.3
PALUXY RIVER	6705.37*	.1	.3
PALUXY RIVER	6690.39*	.1	.3
PALUXY RIVER	6675.40*	.1	.3
PALUXY RIVER	6660.42*	.1	.3
PALUXY RIVER	6645.43*	.1	.3
PALUXY RIVER	6630.45*	.1	.3
PALUXY RIVER	6615.47*	.1	.3
PALUXY RIVER	6600.48*	.1	.3
PALUXY RIVER	6585.5*	.1	.3
PALUXY RIVER	6570.51*	.1	.3
PALUXY RIVER	6555.53*	.1	.3
PALUXY RIVER	6540.54*	.1	.3
PALUXY RIVER	6525.56*	.1	.3
PALUXY RIVER	6510.57*	.1	.3
PALUXY RIVER	6495.59*	.1	.3
PALUXY RIVER	6480.60*	.1	.3
PALUXY RIVER	6465.62*	.1	.3
PALUXY RIVER	6450.63*	.1	.3
PALUXY RIVER	6435.65*	.1	.3
PALUXY RIVER	6420.66*	.1	.3
PALUXY RIVER	6405.68*	.1	.3
PALUXY RIVER	6390.69*	.1	.3
PALUXY RIVER	6375.71*	.1	.3
PALUXY RIVER	6360.72*	.1	.3
PALUXY RIVER	6345.74*	.1	.3
PALUXY RIVER	6330.75*	.1	.3
PALUXY RIVER	6315.77*	.1	.3
PALUXY RIVER	6300.78*	.1	.3
PALUXY RIVER	6285.80*	.1	.3
PALUXY RIVER	6270.81*	.1	.3
PALUXY RIVER	6255.83*	.1	.3
PALUXY RIVER	6240.84*	.1	.3
PALUXY RIVER	6225.86*	.1	.3
PALUXY RIVER	6210.87*	.1	.3
PALUXY RIVER	6195.89*	.1	.3
PALUXY RIVER	6180.91*	.1	.3
PALUXY RIVER	6165.92*	.1	.3
PALUXY RIVER	6150.94*	.1	.3
PALUXY RIVER	6135.95*	.1	.3
PALUXY RIVER	6120.97*	.1	.3
PALUXY RIVER	6105.98*	.1	.3
PALUXY RIVER	6091.00*	.1	.3
PALUXY RIVER	6076.01*	.1	.3
PALUXY RIVER	6061.03*	.1	.3
PALUXY RIVER	6046.04*	.1	.3
PALUXY RIVER	6031.06*	.1	.3
PALUXY RIVER	6016.07*	.1	.3
PALUXY RIVER	6001.09*	.1	.3
PALUXY RIVER	5986.10*	.1	.3
PALUXY RIVER	5971.12*	.1	.3
PALUXY RIVER	5956.13*	.1	.3
PALUXY RIVER	5941.15*	.1	.3
PALUXY RIVER	5926.16*	.1	.3
PALUXY RIVER	5911.18*	.1	.3
PALUXY RIVER	5896.19*	.1	.3
PALUXY RIVER	5881.21*	.1	.3

PALUXY RIVER	5866.22*	.1	.3
PALUXY RIVER	5851.24*	.1	.3
PALUXY RIVER	5836.25*	.1	.3
PALUXY RIVER	5821.27*	.1	.3
PALUXY RIVER	5806.29*	.1	.3
PALUXY RIVER	5791.30*	.1	.3
PALUXY RIVER	5776.32*	.1	.3
PALUXY RIVER	5761.33*	.1	.3
PALUXY RIVER	5746.35*	.1	.3
PALUXY RIVER	5731.36*	.1	.3
PALUXY RIVER	5716.38*	.1	.3
PALUXY RIVER	5701.39*	.1	.3
PALUXY RIVER	5686.41*	.1	.3
PALUXY RIVER	5671.42*	.1	.3
PALUXY RIVER	5656.44*	.1	.3
PALUXY RIVER	5641.45*	.1	.3
PALUXY RIVER	5626.47*	.1	.3
PALUXY RIVER	5611.48*	.1	.3
PALUXY RIVER	5596.50*	.1	.3
PALUXY RIVER	5581.51*	.1	.3
PALUXY RIVER	5566.53*	.1	.3
PALUXY RIVER	5551.54*	.1	.3
PALUXY RIVER	5536.56*	.1	.3
PALUXY RIVER	5521.57*	.1	.3
PALUXY RIVER	5506.59*	.1	.3
PALUXY RIVER	5491.60*	.1	.3
PALUXY RIVER	5476.62*	.1	.3
PALUXY RIVER	5461.63*	.1	.3
PALUXY RIVER	5446.65*	.1	.3
PALUXY RIVER	5431.66*	.1	.3
PALUXY RIVER	5416.68*	.1	.3
PALUXY RIVER	5401.69*	.1	.3
PALUXY RIVER	5386.71*	.1	.3
PALUXY RIVER	5371.72*	.1	.3
PALUXY RIVER	5356.74*	.1	.3
PALUXY RIVER	5341.76*	.1	.3
PALUXY RIVER	5326.77*	.1	.3
PALUXY RIVER	5311.79*	.1	.3
PALUXY RIVER	5296.80*	.1	.3
PALUXY RIVER	5281.82*	.1	.3
PALUXY RIVER	5266.83*	.1	.3
PALUXY RIVER	5251.85*	.1	.3
PALUXY RIVER	5236.86*	.1	.3
PALUXY RIVER	5221.88*	.1	.3
PALUXY RIVER	5206.89*	.1	.3
PALUXY RIVER	5191.91*	.1	.3
PALUXY RIVER	5176.92*	.1	.3
PALUXY RIVER	5161.94*	.1	.3
PALUXY RIVER	5146.95*	.1	.3
PALUXY RIVER	5131.97*	.1	.3
PALUXY RIVER	5116.98*	.1	.3
PALUXY RIVER	5102	.1	.3
LOWER PALUXY	3838	.1	.3
LOWER PALUXY	3739.53*	.1	.3
LOWER PALUXY	3641.07*	.1	.3
LOWER PALUXY	3542.61*	.1	.3
LOWER PALUXY	3444.15*	.1	.3
LOWER PALUXY	3345.69*	.1	.3
LOWER PALUXY	3247.23*	.1	.3
LOWER PALUXY	3148.76*	.1	.3
LOWER PALUXY	3050.30*	.1	.3
LOWER PALUXY	2951.84*	.1	.3
LOWER PALUXY	2853.38*	.1	.3
LOWER PALUXY	2754.92*	.1	.3
LOWER PALUXY	2656.46*	.1	.3
LOWER PALUXY	2558	.1	.3
LOWER PALUXY	2533.24*	.1	.3
LOWER PALUXY	2508.48*	.1	.3
LOWER PALUXY	2483.72*	.1	.3
LOWER PALUXY	2458.97*	.1	.3
LOWER PALUXY	2434.21*	.1	.3
LOWER PALUXY	2409.45*	.1	.3
LOWER PALUXY	2384.69*	.1	.3
LOWER PALUXY	2359.93*	.1	.3
LOWER PALUXY	2335.18*	.1	.3
LOWER PALUXY	2310.42*	.1	.3
LOWER PALUXY	2285.66*	.1	.3
LOWER PALUXY	2260.90*	.1	.3
LOWER PALUXY	2236.15*	.1	.3
LOWER PALUXY	2211.39*	.1	.3
LOWER PALUXY	2186.63*	.1	.3
LOWER PALUXY	2161.87*	.1	.3
LOWER PALUXY	2137.12*	.1	.3
LOWER PALUXY	2112.36*	.1	.3
LOWER PALUXY	2087.60*	.1	.3
LOWER PALUXY	2062.84*	.1	.3
LOWER PALUXY	2038.09*	.1	.3
LOWER PALUXY	2013.33*	.1	.3
LOWER PALUXY	1988.57*	.1	.3
LOWER PALUXY	1963.81*	.1	.3
LOWER PALUXY	1939.06*	.1	.3
LOWER PALUXY	1914.30*	.1	.3
LOWER PALUXY	1889.54*	.1	.3
LOWER PALUXY	1864.78*	.1	.3
LOWER PALUXY	1840.03*	.1	.3
LOWER PALUXY	1815.27*	.1	.3
LOWER PALUXY	1790.51*	.1	.3
LOWER PALUXY	1765.75*	.1	.3
LOWER PALUXY	1741.*	.1	.3
LOWER PALUXY	1716.24*	.1	.3
LOWER PALUXY	1691.48*	.1	.3
LOWER PALUXY	1666.72*	.1	.3
LOWER PALUXY	1641.97*	.1	.3
LOWER PALUXY	1617.21*	.1	.3
LOWER PALUXY	1592.45*	.1	.3
LOWER PALUXY	1567.69*	.1	.3
LOWER PALUXY	1542.94*	.1	.3
LOWER PALUXY	1518.18*	.1	.3
LOWER PALUXY	1493.42*	.1	.3
LOWER PALUXY	1468.66*	.1	.3
LOWER PALUXY	1443.91*	.1	.3
LOWER PALUXY	1419.15*	.1	.3
LOWER PALUXY	1394.39*	.1	.3
LOWER PALUXY	1369.63*	.1	.3

LOWER PALUXY	1344.87*	.1	.3
LOWER PALUXY	1320.12*	.1	.3
LOWER PALUXY	1295.36*	.1	.3
LOWER PALUXY	1270.60*	.1	.3
LOWER PALUXY	1245.84*	.1	.3
LOWER PALUXY	1221.09*	.1	.3
LOWER PALUXY	1196.33*	.1	.3
LOWER PALUXY	1171.57*	.1	.3
LOWER PALUXY	1146.81*	.1	.3
LOWER PALUXY	1122.06*	.1	.3
LOWER PALUXY	1097.30*	.1	.3
LOWER PALUXY	1072.54*	.1	.3
LOWER PALUXY	1047.78*	.1	.3
LOWER PALUXY	1023.03*	.1	.3
LOWER PALUXY	998.273*	.1	.3
LOWER PALUXY	973.516*	.1	.3
LOWER PALUXY	948.758*	.1	.3
LOWER PALUXY	924	.1	.3
LOWER PALUXY	921.058*	.1	.3
LOWER PALUXY	918.117*	.1	.3
LOWER PALUXY	915.176*	.1	.3
LOWER PALUXY	912.235*	.1	.3
LOWER PALUXY	909.294*	.1	.3
LOWER PALUXY	906.353*	.1	.3
LOWER PALUXY	903.411*	.1	.3
LOWER PALUXY	900.470*	.1	.3
LOWER PALUXY	897.529*	.1	.3
LOWER PALUXY	894.588*	.1	.3
LOWER PALUXY	891.647*	.1	.3
LOWER PALUXY	888.705*	.1	.3
LOWER PALUXY	885.764*	.1	.3
LOWER PALUXY	882.823*	.1	.3
LOWER PALUXY	879.882*	.1	.3
LOWER PALUXY	876.941*	.1	.3
LOWER PALUXY	874	.1	.3

River: SQUAW CREEK

Reach	River Sta.	Contr.	Expan.
SC	24757	.1	.3
SC	24747	.1	.3
SC	24698.*	.1	.3
SC	24649.*	.1	.3
SC	24600	.1	.3
SC	24576.2*	.1	.3
SC	24552.4*	.1	.3
SC	24528.6*	.1	.3
SC	24504.9*	.1	.3
SC	24481.1*	.1	.3
SC	24457.3*	.1	.3
SC	24433.6*	.1	.3
SC	24409.8*	.1	.3
SC	24386.0*	.1	.3
SC	24362.3*	.1	.3
SC	24338.5*	.1	.3
SC	24314.7*	.1	.3
SC	24291	.1	.3
SC	23906	.1	.3
SC	23793.3*	.1	.3
SC	23680.6*	.1	.3
SC	23568	.1	.3
SC	23437.*	.1	.3
SC	23306.*	.1	.3
SC	23175.*	.1	.3
SC	23044	.1	.3
SC	23019.9*	.1	.3
SC	22995.8*	.1	.3
SC	22971.7*	.1	.3
SC	22947.6*	.1	.3
SC	22923.6*	.1	.3
SC	22899.5*	.1	.3
SC	22875.4*	.1	.3
SC	22851.3*	.1	.3
SC	22827.2*	.1	.3
SC	22803.2*	.1	.3
SC	22779.1*	.1	.3
SC	22755.0*	.1	.3
SC	22730.9*	.1	.3
SC	22706.8*	.1	.3
SC	22682.8*	.1	.3
SC	22658.7*	.1	.3
SC	22634.6*	.1	.3
SC	22610.5*	.1	.3
SC	22586.4*	.1	.3
SC	22562.4*	.1	.3
SC	22538.3*	.1	.3
SC	22514.2*	.1	.3
SC	22490.1*	.1	.3
SC	22466.0*	.1	.3
SC	22442	.1	.3
SC	21993	.1	.3
SC	21307	.1	.3
SC	21209.5*	.1	.3
SC	21112.*	.1	.3
SC	21014.5*	.1	.3
SC	20917.*	.1	.3
SC	20819.5*	.1	.3
SC	20722.*	.1	.3
SC	20624.5*	.1	.3
SC	20527.*	.1	.3
SC	20429.5*	.1	.3
SC	20332.*	.1	.3
SC	20234.5*	.1	.3
SC	20137	.1	.3
SC	19802	.1	.3
SC	19213	.1	.3
SC	18923	.1	.3
SC	18864	.1	.3
SC	18691.3*	.1	.3
SC	18518.6*	.1	.3
SC	18346	.1	.3
SC	17925	.1	.3

SC	17511	.1	.3
SC	17070	.1	.3
SC	16659	.1	.3
SC	16167	.1	.3
SC	15599	.1	.3
SC	14801	.1	.3
SC	14323	.1	.3
SC	13921	.1	.3
SC	13504	.1	.3
SC	13054	.1	.3
SC	12713	.1	.3
SC	12301	.1	.3
SC	11565	.1	.3
SC	11411	.1	.3
SC	11002	.1	.3
SC	10578	.1	.3
SC	10312	.1	.3
SC	10023	.1	.3
SC	9191	.1	.3
SC	8809	.1	.3
SC	8282	.1	.3
SC	7678	.1	.3
SC	7370	.1	.3
SC	6699	.1	.3
SC	5861	.1	.3
SC	5194	.1	.3
SC	4720	.1	.3
SC	4673.5*	.1	.3
SC	4627.*	.1	.3
SC	4580.5*	.1	.3
SC	4534.*	.1	.3
SC	4487.5*	.1	.3
SC	4441.*	.1	.3
SC	4394.5*	.1	.3
SC	4348.*	.1	.3
SC	4301.5*	.1	.3
SC	4255	.1	.3
SC	4209.5*	.1	.3
SC	4164.*	.1	.3
SC	4118.5*	.1	.3
SC	4073.*	.1	.3
SC	4027.5*	.1	.3
SC	3982.*	.1	.3
SC	3936.5*	.1	.3
SC	3891	.1	.3
SC	3443	.1	.3
SC	3300	.1	.3
SC	3057	.1	.3
SC	2930	.1	.3
SC	2688	.1	.3
SC	2449	.1	.3
SC	2196	.1	.3
SC	2133.5*	.1	.3
SC	2071.*	.1	.3
SC	2008.5*	.1	.3
SC	1946	.1	.3
SC	1941.04*	.1	.3
SC	1936.09*	.1	.3
SC	1931.14*	.1	.3
SC	1926.19*	.1	.3
SC	1921.24*	.1	.3
SC	1916.29*	.1	.3
SC	1911.34*	.1	.3
SC	1906.39*	.1	.3
SC	1901.44*	.1	.3
SC	1896.49*	.1	.3
SC	1891.54*	.1	.3
SC	1886.59*	.1	.3
SC	1881.64*	.1	.3
SC	1876.69*	.1	.3
SC	1871.74*	.1	.3
SC	1866.79*	.1	.3
SC	1861.83*	.1	.3
SC	1856.88*	.1	.3
SC	1851.93*	.1	.3
SC	1846.98*	.1	.3
SC	1842.03*	.1	.3
SC	1837.08*	.1	.3
SC	1832.13*	.1	.3
SC	1827.18*	.1	.3
SC	1822.23*	.1	.3
SC	1817.28*	.1	.3
SC	1812.33*	.1	.3
SC	1807.38*	.1	.3
SC	1802.43*	.1	.3
SC	1797.48*	.1	.3
SC	1792.53*	.1	.3
SC	1787.58*	.1	.3
SC	1782.63*	.1	.3
SC	1777.67*	.1	.3
SC	1772.72*	.1	.3
SC	1767.77*	.1	.3
SC	1762.82*	.1	.3
SC	1757.87*	.1	.3
SC	1752.92*	.1	.3
SC	1747.97*	.1	.3
SC	1743.02*	.1	.3
SC	1738.07*	.1	.3
SC	1733.12*	.1	.3
SC	1728.17*	.1	.3
SC	1723.22*	.1	.3
SC	1718.27*	.1	.3
SC	1713.32*	.1	.3
SC	1708.37*	.1	.3
SC	1703.42*	.1	.3
SC	1698.46*	.1	.3
SC	1693.51*	.1	.3
SC	1688.56*	.1	.3
SC	1683.61*	.1	.3
SC	1678.66*	.1	.3
SC	1673.71*	.1	.3
SC	1668.76*	.1	.3
SC	1663.81*	.1	.3
SC	1658.86*	.1	.3

SC	1653.91*	.1	.3
SC	1648.96*	.1	.3
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SC	1639.06*	.1	.3
SC	1634.11*	.1	.3
SC	1629.16*	.1	.3
SC	1624.21*	.1	.3
SC	1619.25*	.1	.3
SC	1614.30*	.1	.3
SC	1609.35*	.1	.3
SC	1604.40*	.1	.3
SC	1599.45*	.1	.3
SC	1594.50*	.1	.3
SC	1589.55*	.1	.3
SC	1584.60*	.1	.3
SC	1579.65*	.1	.3
SC	1574.70*	.1	.3
SC	1569.75*	.1	.3
SC	1564.80*	.1	.3
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SC	1418.*	.1	.3
SC	1417.5*	.1	.3
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SC	1416.5*	.1	.3
SC	1416.*	.1	.3
SC	1415.5*	.1	.3
SC	1415.*	.1	.3
SC	1414.5*	.1	.3
SC	1414.*	.1	.3
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SC	1412.5*	.1	.3
SC	1412.*	.1	.3
SC	1411.5*	.1	.3
SC	1411.*	.1	.3
SC	1410.5*	.1	.3
SC	1410.*	.1	.3
SC	1409.5*	.1	.3
SC	1409.*	.1	.3
SC	1408.5*	.1	.3
SC	1408.*	.1	.3
SC	1407.5*	.1	.3
SC	1407.*	.1	.3
SC	1406.5*	.1	.3
SC	1406.*	.1	.3
SC	1405.5*	.1	.3
SC	1405.*	.1	.3
SC	1404.5*	.1	.3
SC	1404.*	.1	.3
SC	1403.5*	.1	.3
SC	1403.*	.1	.3
SC	1402.5*	.1	.3
SC	1402.*	.1	.3
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SC	1397.*	.1	.3
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SC	1268.*	.1	.3
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SC	1246.5*	.1	.3
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SC	1243.*	.1	.3
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SC	1242.*	.1	.3
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SC	1229.*	.1	.3
SC	1228.5*	.1	.3
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SC	1227.5*	.1	.3
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SC	1225.5*	.1	.3
SC	1225.*	.1	.3
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SC	1218.*	.1	.3
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SC	1217.*	.1	.3
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SC	1216.*	.1	.3
SC	1215.5*	.1	.3
SC	1215.*	.1	.3
SC	1214.5*	.1	.3

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 SC                    1214            .1        .3
 SC                    1211.05*        .1        .3
 SC                    1208.11*        .1        .3
 SC                    1205.17*        .1        .3
 SC                    1202.23*        .1        .3
 SC                    1199.29*        .1        .3
 SC                    1196.35*        .1        .3
 SC                    1193.41*        .1        .3
 SC                    1190.47*        .1        .3
 SC                    1187.52*        .1        .3
 SC                    1184.58*        .1        .3
 SC                    1181.64*        .1        .3
 SC                    1178.70*        .1        .3
 SC                    1175.76*        .1        .3
 SC                    1172.82*        .1        .3
 SC                    1169.88*        .1        .3
 SC                    1166.94*        .1        .3
 SC                    1164            .1        .3
```

Profile Output Table - Standard Table 1

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
SQUAW CREEK	SC	24757	PF 1	206224.30	646.00	759.96		759.97	0.000022	1.05	250231.50	3420.98	0.02
SQUAW CREEK	SC	24747	PF 1	206224.30	645.00	759.96		759.97	0.000022	1.05	250355.70	3420.97	0.02
SQUAW CREEK	SC	24698.*	PF 1	206224.30	644.67	759.96		759.97	0.000022	1.05	250393.20	3420.96	0.02
SQUAW CREEK	SC	24649.*	PF 1	206224.30	644.33	759.96		759.97	0.000022	1.05	250431.90	3420.95	0.02
SQUAW CREEK	SC	24600	PF 1	206224.30	644.00	759.96		759.97	0.000022	1.05	250469.40	3420.93	0.02
SQUAW CREEK	SC	24576.2*	PF 1	206224.30	643.92	759.96		759.97	0.000023	1.06	248880.50	3434.78	0.02
SQUAW CREEK	SC	24552.4*	PF 1	206224.30	643.85	759.96		759.97	0.000023	1.08	247270.60	3448.63	0.02
SQUAW CREEK	SC	24528.6*	PF 1	206224.30	643.77	759.96		759.97	0.000024	1.09	245650.20	3462.55	0.02
SQUAW CREEK	SC	24504.9*	PF 1	206224.30	643.69	759.96		759.97	0.000025	1.11	244013.60	3476.49	0.02
SQUAW CREEK	SC	24481.1*	PF 1	206224.30	643.62	759.96		759.97	0.000025	1.12	242362.00	3490.40	0.02
SQUAW CREEK	SC	24457.3*	PF 1	206224.30	643.54	759.95		759.97	0.000026	1.14	240687.00	3504.26	0.02
SQUAW CREEK	SC	24433.6*	PF 1	206224.30	643.46	759.95		759.97	0.000026	1.16	239002.50	3518.07	0.02
SQUAW CREEK	SC	24409.8*	PF 1	206224.30	643.38	759.95		759.97	0.000027	1.17	237305.20	3531.86	0.02
SQUAW CREEK	SC	24386.0*	PF 1	206224.30	643.31	759.95		759.96	0.000028	1.19	235586.60	3545.58	0.02
SQUAW CREEK	SC	24362.3*	PF 1	206224.30	643.23	759.95		759.96	0.000028	1.21	233865.90	3559.25	0.02
SQUAW CREEK	SC	24338.5*	PF 1	206224.30	643.15	759.95		759.96	0.000029	1.22	232122.50	3572.74	0.02
SQUAW CREEK	SC	24314.7*	PF 1	206224.30	643.08	759.95		759.96	0.000030	1.24	230372.00	3586.14	0.02
SQUAW CREEK	SC	24291	PF 1	206224.30	643.00	759.95		759.96	0.000031	1.26	228598.60	3599.39	0.02
SQUAW CREEK	SC	23906	PF 1	206224.30	642.00	759.94		759.95	0.000025	1.14	247124.00	3816.40	0.02
SQUAW CREEK	SC	23793.3*	PF 1	206224.30	641.67	759.94		759.95	0.000024	1.11	250968.80	3821.15	0.02
SQUAW CREEK	SC	23680.6*	PF 1	206224.30	641.33	759.93		759.94	0.000023	1.08	255657.40	3830.19	0.02
SQUAW CREEK	SC	23568	PF 1	206224.30	641.00	759.93		759.94	0.000022	1.04	261112.10	3841.24	0.02
SQUAW CREEK	SC	23437.*	PF 1	206224.30	640.75	759.93		759.94	0.000013	0.82	330552.80	4635.27	0.01
SQUAW CREEK	SC	23306.*	PF 1	206224.30	640.50	759.93		759.94	0.000009	0.70	394344.00	5448.88	0.01
SQUAW CREEK	SC	23175.*	PF 1	206224.30	640.25	759.93		759.94	0.000007	0.62	452689.70	6309.59	0.01
SQUAW CREEK	SC	23044	PF 1	206224.30	640.00	759.93	662.53	759.93	0.000010	0.75	326136.20	7183.89	0.01
SQUAW CREEK	SC	23019.9*	PF 1	206224.30	639.96	759.93		759.93	0.000006	0.58	495478.70	7032.37	0.01
SQUAW CREEK	SC	22995.8*	PF 1	206224.30	639.92	759.93		759.93	0.000006	0.59	485137.60	6880.16	0.01
SQUAW CREEK	SC	22971.7*	PF 1	206224.30	639.88	759.93		759.93	0.000007	0.60	474918.80	6727.69	0.01
SQUAW CREEK	SC	22947.6*	PF 1	206224.30	639.84	759.93		759.93	0.000007	0.62	464833.30	6574.50	0.01
SQUAW CREEK	SC	22923.6*	PF 1	206224.30	639.80	759.93		759.93	0.000007	0.63	454865.50	6420.79	0.01
SQUAW CREEK	SC	22899.5*	PF 1	206224.30	639.76	759.93		759.93	0.000007	0.64	445056.60	6242.93	0.01
SQUAW CREEK	SC	22875.4*	PF 1	206224.30	639.72	759.93		759.93	0.000008	0.65	435417.60	6060.23	0.01
SQUAW CREEK	SC	22851.3*	PF 1	206224.30	639.68	759.93		759.93	0.000008	0.66	425969.20	5877.53	0.01
SQUAW CREEK	SC	22827.2*	PF 1	206224.30	639.64	759.93		759.93	0.000008	0.67	416697.30	5694.11	0.01
SQUAW CREEK	SC	22803.2*	PF 1	206224.30	639.60	759.93		759.93	0.000008	0.68	407609.80	5510.33	0.01
SQUAW CREEK	SC	22779.1*	PF 1	206224.30	639.56	759.93		759.93	0.000009	0.69	398716.50	5329.84	0.01
SQUAW CREEK	SC	22755.0*	PF 1	206224.30	639.52	759.93		759.93	0.000009	0.70	389950.20	5191.56	0.01
SQUAW CREEK	SC	22730.9*	PF 1	206224.30	639.48	759.93		759.93	0.000009	0.72	381259.60	5057.58	0.01
SQUAW CREEK	SC	22706.8*	PF 1	206224.30	639.44	759.92		759.93	0.000010	0.73	372628.70	4927.26	0.01
SQUAW CREEK	SC	22682.8*	PF 1	206224.30	639.40	759.92		759.93	0.000010	0.75	364069.00	4800.52	0.01
SQUAW CREEK	SC	22658.7*	PF 1	206224.30	639.36	759.92		759.93	0.000010	0.77	355542.00	4676.81	0.01
SQUAW CREEK	SC	22634.6*	PF 1	206224.30	639.32	759.92		759.93	0.000011				

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 0.78    347059.40     4555.98          0.01
SQUAW CREEK    SC            22610.5*      PF 1       206224.30      639.28      759.92                  759.93     0.000011
 0.80    338600.70     4437.86          0.01
SQUAW CREEK    SC            22586.4*      PF 1       206224.30      639.24      759.92                  759.93     0.000012
 0.82    330181.50     4322.09          0.01
SQUAW CREEK    SC            22562.4*      PF 1       206224.30      639.20      759.92                  759.93     0.000013
 0.84    321770.20     4208.59          0.01
SQUAW CREEK    SC            22538.3*      PF 1       206224.30      639.16      759.92                  759.93     0.000013
 0.86    313376.80     4097.12          0.01
SQUAW CREEK    SC            22514.2*      PF 1       206224.30      639.12      759.92                  759.93     0.000014
 0.89    304988.20     3987.58          0.01
SQUAW CREEK    SC            22490.1*      PF 1       206224.30      639.08      759.92                  759.93     0.000015
 0.91    296610.20     3879.72          0.01
SQUAW CREEK    SC            22466.0*      PF 1       206224.30      639.04      759.92                  759.93     0.000016
 0.94    288224.40     3773.54          0.02
SQUAW CREEK    SC            22442         PF 1       206224.30      639.00      759.92                  759.93     0.000017
 0.97    279841.10     3668.84          0.02
SQUAW CREEK    SC            21993         PF 1       206224.30      638.00      759.91                  759.92     0.000014
 0.87    305757.30     3988.74          0.01
SQUAW CREEK    SC            21307         PF 1       206224.30      635.00      759.91                  759.91     0.000009
 0.71    379702.20     4748.59          0.01
SQUAW CREEK    SC            21209.5*      PF 1       206224.30      634.67      759.91                  759.91     0.000008
 0.68    394420.30     4944.08          0.01
SQUAW CREEK    SC            21112.*       PF 1       206224.30      634.33      759.90                  759.91     0.000007
 0.66    409234.50     5142.56          0.01
SQUAW CREEK    SC            21014.5*      PF 1       206224.30      634.00      759.90                  759.91     0.000007
 0.64    424120.70     5344.38          0.01
SQUAW CREEK    SC            20917.*       PF 1       206224.30      633.67      759.90                  759.91     0.000006
 0.62    439113.80     5550.83          0.01
SQUAW CREEK    SC            20819.5*      PF 1       206224.30      633.33      759.90                  759.91     0.000006
 0.60    454275.90     5800.74          0.01
SQUAW CREEK    SC            20722.*       PF 1       206224.30      633.00      759.90                  759.91     0.000006
 0.58    469620.70     6027.17          0.01
SQUAW CREEK    SC            20624.5*      PF 1       206224.30      632.67      759.90                  759.91     0.000005
 0.56    485089.40     6250.23          0.01
SQUAW CREEK    SC            20527.*       PF 1       206224.30      632.33      759.90                  759.90     0.000005
 0.55    500698.00     6471.53          0.01
SQUAW CREEK    SC            20429.5*      PF 1       206224.30      632.00      759.90                  759.90     0.000005
 0.53    516413.50     6692.19          0.01
SQUAW CREEK    SC            20332.*       PF 1       206224.30      631.67      759.90                  759.90     0.000004
 0.52    532275.60     6913.19          0.01
SQUAW CREEK    SC            20234.5*      PF 1       206224.30      631.33      759.90                  759.90     0.000004
 0.50    548243.60     7135.22          0.01
SQUAW CREEK    SC            20137         PF 1       206224.30      631.00      759.90      652.22      759.90     0.000007
 0.65    370093.40     7358.94          0.01
SQUAW CREEK    SC            19802         PF 1       206224.30      630.00      759.89                  759.90     0.000009
 0.72    357191.40     4140.39          0.01
SQUAW CREEK    SC            19213         PF 1       206224.30      629.00      759.89                  759.90     0.000008
 0.69    365844.30     4104.31          0.01
SQUAW CREEK    SC            18923         PF 1       206224.30      628.00      759.89                  759.89     0.000004
 0.52    478724.10     4984.93          0.01
SQUAW CREEK    SC            18864         PF 1       206224.30      626.00      759.89                  759.89     0.000004
 0.51    524410.70     5799.45          0.01
SQUAW CREEK    SC            18691.3*      PF 1       206224.30      624.00      759.89                  759.89     0.000002
 0.40    665847.60     7465.81          0.01
SQUAW CREEK    SC            18518.6*      PF 1       206224.30      622.00      759.89                  759.89     0.000002
 0.34    800743.00     9131.33          0.01
SQUAW CREEK    SC            18346         PF 1       206224.30      620.00      759.89      644.00      759.89     0.000001
 0.28    929074.90    10784.40          0.00
SQUAW CREEK    SC            17925         PF 1       206224.30      618.00      759.89      641.07      759.89     0.000001
 0.27    900935.80     9110.13          0.00
SQUAW CREEK    SC            17511         PF 1       206224.30      617.00      759.89      638.29      759.89     0.000001
 0.28    933619.30     9948.19          0.00
SQUAW CREEK    SC            17070         PF 1       206224.30      616.00      759.89      638.30      759.89     0.000001
 0.21   1251028.00    13323.98          0.00
SQUAW CREEK    SC            16659         PF 1       206224.30      612.00      759.89      638.44      759.89     0.000001
 0.23   1081527.00    10974.92          0.00
SQUAW CREEK    SC            16167         PF 1       206224.30      611.00      759.89      637.33      759.89     0.000001
 0.22   1092432.00    10373.84          0.00
SQUAW CREEK    SC            15599         PF 1       206224.30      610.00      759.89      628.93      759.89     0.000001
 0.21   1159075.00    10666.80          0.00
SQUAW CREEK    SC            14801         PF 1       206224.30      609.00      759.89      632.99      759.89     0.000001
 0.22   1146228.00    10791.70          0.00
SQUAW CREEK    SC            14323         PF 1       206224.30      608.00      759.89      627.95      759.89     0.000001
 0.22   1173237.00    11045.28          0.00
SQUAW CREEK    SC            13921         PF 1       206224.30      607.00      759.89      628.29      759.89     0.000001
 0.22   1147816.00    10742.21          0.00
SQUAW CREEK    SC            13504         PF 1       206224.30      606.00      759.89      628.09      759.89     0.000001
 0.23   1125712.00    10556.65          0.00
SQUAW CREEK    SC            13054         PF 1       206224.30      604.00      759.89      628.00      759.89     0.000001
 0.23   1107209.00    10556.65          0.00
SQUAW CREEK    SC            12713         PF 1       206224.30      603.00      759.89      628.38      759.89     0.000001
 0.24   1068221.00    10184.85          0.00
SQUAW CREEK    SC            12301         PF 1       206224.30      601.00      759.89      619.93      759.89     0.000001
 0.24   1084106.00    10399.51          0.00
SQUAW CREEK    SC            11565         PF 1       206224.30      600.00      759.88      625.36      759.89     0.000001
 0.24   1150888.00    11600.00          0.00
SQUAW CREEK    SC            11411         PF 1       206224.30      599.00      759.88      625.22      759.89     0.000001
 0.24   1151811.00    11600.00          0.00
SQUAW CREEK    SC            11002         PF 1       206224.30      598.00      759.88      619.64      759.88     0.000001
 0.26   1075800.00    10797.68          0.00
SQUAW CREEK    SC            10578         PF 1       206224.30      597.00      759.88      624.69      759.88     0.000001
 0.24   1118071.00    10800.00          0.00
SQUAW CREEK    SC            10312         PF 1       206224.30      596.00      759.88      624.14      759.88     0.000001
 0.23   1184565.00    11700.00          0.00
SQUAW CREEK    SC            10023         PF 1       206224.30      595.00      759.88      622.60      759.88     0.000001
 0.23   1155627.00    10400.00          0.00
SQUAW CREEK    SC             9191         PF 1       206224.30      594.00      759.88      621.06      759.88     0.000001
 0.21   1257760.00    11900.00          0.00
SQUAW CREEK    SC             8809         PF 1       206224.30      593.00      759.88      620.52      759.88     0.000000
 0.18   1439130.00    13000.00          0.00
SQUAW CREEK    SC             8282         PF 1       206224.30      592.00      759.88      616.04      759.88     0.000000
 0.17   1500354.00    13200.00          0.00
SQUAW CREEK    SC             7678         PF 1       206224.30      591.00      759.88      613.09      759.88     0.000000
 0.17   1517275.00    13000.00          0.00
SQUAW CREEK    SC             7370         PF 1       206224.30      590.00      759.88      608.92      759.88     0.000000
 0.17   1471841.00    12000.00          0.00
SQUAW CREEK    SC             6699         PF 1       206224.30      589.00      759.88      609.65      759.88     0.000000
 0.16   1567465.00    12200.00          0.00
SQUAW CREEK    SC             5861         PF 1       206224.30      588.00      759.88                  759.88     0.000000
 0.14   1703095.00    13200.00          0.00
SQUAW CREEK    SC             5194         PF 1       206224.30      587.00      759.88                  759.88     0.000000
 0.17   1507634.00    12000.00          0.00
SQUAW CREEK    SC             4720         PF 1       206224.30      585.00      759.88                  759.88     0.000000
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 0.16   1567989.00    12997.64          0.00
SQUAW CREEK    SC            4673.5*      PF 1      206224.30      584.90      759.88                  759.88     0.000000
 0.16   1570928.00    13120.00          0.00
SQUAW CREEK    SC            4627.*       PF 1      206224.30      584.80      759.88                  759.88     0.000000
 0.16   1573258.00    13040.00          0.00
SQUAW CREEK    SC            4580.5*      PF 1      206224.30      584.70      759.88                  759.88     0.000000
 0.16   1574937.00    12960.00          0.00
SQUAW CREEK    SC            4534.*       PF 1      206224.30      584.60      759.88                  759.88     0.000000
 0.16   1575974.00    12880.00          0.00
SQUAW CREEK    SC            4487.5*      PF 1      206224.30      584.50      759.88                  759.88     0.000000
 0.16   1576356.00    12800.00          0.00
SQUAW CREEK    SC            4441.*       PF 1      206224.30      584.40      759.88                  759.88     0.000000
 0.16   1576098.00    12720.00          0.00
SQUAW CREEK    SC            4394.5*      PF 1      206224.30      584.30      759.88                  759.88     0.000000
 0.16   1575193.00    12640.00          0.00
SQUAW CREEK    SC            4348.*       PF 1      206224.30      584.20      759.88                  759.88     0.000000
 0.16   1573660.00    12560.00          0.00
SQUAW CREEK    SC            4301.5*      PF 1      206224.30      584.10      759.88                  759.88     0.000000
 0.16   1571470.00    12480.00          0.00
SQUAW CREEK    SC            4255         PF 1      206224.30      584.00      759.88                  759.88     0.000000
 0.16   1568635.00    12400.00          0.00
SQUAW CREEK    SC            4209.5*      PF 1      206224.30      583.88      759.88                  759.88     0.000000
 0.16   1565986.00    12400.00          0.00
SQUAW CREEK    SC            4164.*       PF 1      206224.30      583.75      759.88                  759.88     0.000000
 0.16   1563333.00    12400.00          0.00
SQUAW CREEK    SC            4118.5*      PF 1      206224.30      583.62      759.88                  759.88     0.000000
 0.16   1560651.00    12400.00          0.00
SQUAW CREEK    SC            4073.*       PF 1      206224.30      583.50      759.88                  759.88     0.000000
 0.16   1557964.00    12400.00          0.00
SQUAW CREEK    SC            4027.5*      PF 1      206224.30      583.38      759.88                  759.88     0.000000
 0.16   1555247.00    12400.00          0.00
SQUAW CREEK    SC            3982.*       PF 1      206224.30      583.25      759.88                  759.88     0.000000
 0.16   1552528.00    12400.00          0.00
SQUAW CREEK    SC            3936.5*      PF 1      206224.30      583.12      759.88                  759.88     0.000000
 0.16   1549785.00    12400.00          0.00
SQUAW CREEK    SC            3891         PF 1      206224.30      583.00      759.88                  759.88     0.000000
 0.17   1547035.00    12400.00          0.00
SQUAW CREEK    SC            3443         PF 1      206224.30      582.00      759.88                  759.88     0.000000
 0.15   1643289.00    13200.00          0.00
SQUAW CREEK    SC            3300         PF 1      206224.30      580.00      759.88                  759.88     0.000000
 0.16   1631838.00    13200.00          0.00
SQUAW CREEK    SC            3057         PF 1      206224.30      579.00      759.88                  759.88     0.000000
 0.15   1676640.00    13600.00          0.00
SQUAW CREEK    SC            2930         PF 1      206224.30      578.00      759.88                  759.88     0.000000
 0.15   1674589.00    13600.00          0.00
SQUAW CREEK    SC            2688         PF 1      206224.30      577.00      759.88                  759.88     0.000000
 0.15   1733266.00    14000.00          0.00
SQUAW CREEK    SC            2449         PF 1      206224.30      576.00      759.88                  759.88     0.000000
 0.15   1725487.00    13600.00          0.00
SQUAW CREEK    SC            2196         PF 1      206224.30      575.00      759.88                  759.88     0.000000
 0.15   1724161.00    13600.00          0.00
SQUAW CREEK    SC            2133.5*      PF 1      206224.30      574.75      759.88                  759.88     0.000000
 0.15   1744873.00    13800.00          0.00
SQUAW CREEK    SC            2071.*       PF 1      206224.30      574.50      759.88                  759.88     0.000000
 0.14   1765218.00    14000.00          0.00
SQUAW CREEK    SC            2008.5*      PF 1      206224.30      574.25      759.88                  759.88     0.000000
 0.14   1785229.00    14200.00          0.00
SQUAW CREEK    SC            1946         PF 1      206224.30      574.00      759.88                  759.88     0.000000
 0.14   1804891.00    14400.00          0.00
SQUAW CREEK    SC            1941.04*     PF 1      206224.30      573.98      759.88                  759.88     0.000000
 0.14   1805310.00    14401.23          0.00
SQUAW CREEK    SC            1936.09*     PF 1      206224.30      573.95      759.88                  759.88     0.000000
 0.14   1805721.00    14402.47          0.00
SQUAW CREEK    SC            1931.14*     PF 1      206224.30      573.93      759.88                  759.88     0.000000
 0.14   1806134.00    14403.70          0.00
SQUAW CREEK    SC            1926.19*     PF 1      206224.30      573.90      759.88                  759.88     0.000000
 0.14   1806557.00    14404.94          0.00
SQUAW CREEK    SC            1921.24*     PF 1      206224.30      573.88      759.88                  759.88     0.000000
 0.14   1806966.00    14406.17          0.00
SQUAW CREEK    SC            1916.29*     PF 1      206224.30      573.85      759.88                  759.88     0.000000
 0.14   1807387.00    14407.41          0.00
SQUAW CREEK    SC            1911.34*     PF 1      206224.30      573.83      759.88                  759.88     0.000000
 0.14   1807808.00    14408.64          0.00
SQUAW CREEK    SC            1906.39*     PF 1      206224.30      573.80      759.88                  759.88     0.000000
 0.14   1808219.00    14409.88          0.00
SQUAW CREEK    SC            1901.44*     PF 1      206224.30      573.78      759.88                  759.88     0.000000
 0.14   1808637.00    14411.11          0.00
SQUAW CREEK    SC            1896.49*     PF 1      206224.30      573.75      759.88                  759.88     0.000000
 0.14   1809056.00    14412.35          0.00
SQUAW CREEK    SC            1891.54*     PF 1      206224.30      573.73      759.88                  759.88     0.000000
 0.14   1809464.00    14413.58          0.00
SQUAW CREEK    SC            1886.59*     PF 1      206224.30      573.70      759.88                  759.88     0.000000
 0.14   1809886.00    14414.81          0.00
SQUAW CREEK    SC            1881.64*     PF 1      206224.30      573.68      759.88                  759.88     0.000000
 0.14   1810308.00    14416.05          0.00
SQUAW CREEK    SC            1876.69*     PF 1      206224.30      573.65      759.88                  759.88     0.000000
 0.14   1810727.00    14417.28          0.00
SQUAW CREEK    SC            1871.74*     PF 1      206224.30      573.63      759.88                  759.88     0.000000
 0.14   1811140.00    14418.52          0.00
SQUAW CREEK    SC            1866.79*     PF 1      206224.30      573.60      759.88                  759.88     0.000000
 0.14   1811561.00    14419.75          0.00
SQUAW CREEK    SC            1861.83*     PF 1      206224.30      573.58      759.88                  759.88     0.000000
 0.14   1811983.00    14420.99          0.00
SQUAW CREEK    SC            1856.88*     PF 1      206224.30      573.56      759.88                  759.88     0.000000
 0.14   1812392.00    14422.22          0.00
SQUAW CREEK    SC            1851.93*     PF 1      206224.30      573.53      759.88                  759.88     0.000000
 0.14   1812815.00    14423.46          0.00
SQUAW CREEK    SC            1846.98*     PF 1      206224.30      573.51      759.88                  759.88     0.000000
 0.14   1813238.00    14424.69          0.00
SQUAW CREEK    SC            1842.03*     PF 1      206224.30      573.48      759.88                  759.88     0.000000
 0.14   1813652.00    14425.93          0.00
SQUAW CREEK    SC            1837.08*     PF 1      206224.30      573.46      759.88                  759.88     0.000000
 0.14   1814072.00    14427.16          0.00
SQUAW CREEK    SC            1832.13*     PF 1      206224.30      573.43      759.88                  759.88     0.000000
 0.14   1814496.00    14428.40          0.00
SQUAW CREEK    SC            1827.18*     PF 1      206224.30      573.41      759.88                  759.88     0.000000
 0.14   1814913.00    14429.63          0.00
SQUAW CREEK    SC            1822.23*     PF 1      206224.30      573.38      759.88                  759.88     0.000000
 0.14   1815333.00    14430.86          0.00
SQUAW CREEK    SC            1817.28*     PF 1      206224.30      573.36      759.88                  759.88     0.000000
 0.14   1815759.00    14432.10          0.00
SQUAW CREEK    SC            1812.33*     PF 1      206224.30      573.33      759.88                  759.88     0.000000
 0.14   1816169.00    14433.33          0.00
SQUAW CREEK    SC            1807.38*     PF 1      206224.30      573.31      759.88                  759.88     0.000000
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 0.14   1816592.00    14434.57          0.00
SQUAW CREEK    SC            1802.43*      PF 1       206224.30      573.28      759.88                  759.88     0.000000
 0.14   1817015.00    14435.80          0.00
SQUAW CREEK    SC            1797.48*      PF 1       206224.30      573.26      759.88                  759.88     0.000000
 0.14   1817427.00    14437.04          0.00
SQUAW CREEK    SC            1792.53*      PF 1       206224.30      573.23      759.88                  759.88     0.000000
 0.14   1817854.00    14438.27          0.00
SQUAW CREEK    SC            1787.58*      PF 1       206224.30      573.21      759.88                  759.88     0.000000
 0.14   1818273.00    14439.51          0.00
SQUAW CREEK    SC            1782.63*      PF 1       206224.30      573.19      759.88                  759.88     0.000000
 0.14   1818691.00    14440.74          0.00
SQUAW CREEK    SC            1777.67*      PF 1       206224.30      573.16      759.88                  759.88     0.000000
 0.14   1819118.00    14441.98          0.00
SQUAW CREEK    SC            1772.72*      PF 1       206224.30      573.14      759.88                  759.88     0.000000
 0.14   1819540.00    14443.21          0.00
SQUAW CREEK    SC            1767.77*      PF 1       206224.30      573.11      759.88                  759.88     0.000000
 0.14   1819967.00    14444.44          0.00
SQUAW CREEK    SC            1762.82*      PF 1       206224.30      573.09      759.88                  759.88     0.000000
 0.14   1820381.00    14445.68          0.00
SQUAW CREEK    SC            1757.87*      PF 1       206224.30      573.06      759.88                  759.88     0.000000
 0.14   1820806.00    14446.91          0.00
SQUAW CREEK    SC            1752.92*      PF 1       206224.30      573.04      759.88                  759.88     0.000000
 0.14   1821230.00    14448.15          0.00
SQUAW CREEK    SC            1747.97*      PF 1       206224.30      573.01      759.88                  759.88     0.000000
 0.14   1821648.00    14449.38          0.00
SQUAW CREEK    SC            1743.02*      PF 1       206224.30      572.99      759.88                  759.88     0.000000
 0.14   1822073.00    14450.62          0.00
SQUAW CREEK    SC            1738.07*      PF 1       206224.30      572.96      759.88                  759.88     0.000000
 0.14   1822501.00    14451.85          0.00
SQUAW CREEK    SC            1733.12*      PF 1       206224.30      572.94      759.88                  759.88     0.000000
 0.14   1822916.00    14453.09          0.00
SQUAW CREEK    SC            1728.17*      PF 1       206224.30      572.91      759.88                  759.88     0.000000
 0.14   1823344.00    14454.32          0.00
SQUAW CREEK    SC            1723.22*      PF 1       206224.30      572.89      759.88                  759.88     0.000000
 0.14   1823769.00    14455.56          0.00
SQUAW CREEK    SC            1718.27*      PF 1       206224.30      572.86      759.88                  759.88     0.000000
 0.14   1824189.00    14456.79          0.00
SQUAW CREEK    SC            1713.32*      PF 1       206224.30      572.84      759.88                  759.88     0.000000
 0.14   1824616.00    14458.02          0.00
SQUAW CREEK    SC            1708.37*      PF 1       206224.30      572.81      759.88                  759.88     0.000000
 0.14   1825040.00    14459.26          0.00
SQUAW CREEK    SC            1703.42*      PF 1       206224.30      572.79      759.88                  759.88     0.000000
 0.14   1825458.00    14460.49          0.00
SQUAW CREEK    SC            1698.46*      PF 1       206224.30      572.77      759.88                  759.88     0.000000
 0.14   1825882.00    14461.73          0.00
SQUAW CREEK    SC            1693.51*      PF 1       206224.30      572.74      759.88                  759.88     0.000000
 0.14   1826310.00    14462.96          0.00
SQUAW CREEK    SC            1688.56*      PF 1       206224.30      572.72      759.88                  759.88     0.000000
 0.14   1826729.00    14464.20          0.00
SQUAW CREEK    SC            1683.61*      PF 1       206224.30      572.69      759.88                  759.88     0.000000
 0.14   1827161.00    14465.43          0.00
SQUAW CREEK    SC            1678.66*      PF 1       206224.30      572.67      759.88                  759.88     0.000000
 0.14   1827586.00    14466.67          0.00
SQUAW CREEK    SC            1673.71*      PF 1       206224.30      572.64      759.88                  759.88     0.000000
 0.14   1828004.00    14467.90          0.00
SQUAW CREEK    SC            1668.76*      PF 1       206224.30      572.62      759.88                  759.88     0.000000
 0.14   1828431.00    14469.14          0.00
SQUAW CREEK    SC            1663.81*      PF 1       206224.30      572.59      759.88                  759.88     0.000000
 0.14   1828863.00    14470.37          0.00
SQUAW CREEK    SC            1658.86*      PF 1       206224.30      572.57      759.88                  759.88     0.000000
 0.14   1829283.00    14471.60          0.00
SQUAW CREEK    SC            1653.91*      PF 1       206224.30      572.54      759.88                  759.88     0.000000
 0.14   1829713.00    14472.84          0.00
SQUAW CREEK    SC            1648.96*      PF 1       206224.30      572.52      759.88                  759.88     0.000000
 0.14   1830140.00    14474.07          0.00
SQUAW CREEK    SC            1644.01*      PF 1       206224.30      572.49      759.88                  759.88     0.000000
 0.14   1830572.00    14475.31          0.00
SQUAW CREEK    SC            1639.06*      PF 1       206224.30      572.47      759.88                  759.88     0.000000
 0.14   1830990.00    14476.54          0.00
SQUAW CREEK    SC            1634.11*      PF 1       206224.30      572.44      759.88                  759.88     0.000000
 0.14   1831423.00    14477.78          0.00
SQUAW CREEK    SC            1629.16*      PF 1       206224.30      572.42      759.88                  759.88     0.000000
 0.14   1831848.00    14479.01          0.00
SQUAW CREEK    SC            1624.21*      PF 1       206224.30      572.40      759.88                  759.88     0.000000
 0.14   1832270.00    14480.25          0.00
SQUAW CREEK    SC            1619.25*      PF 1       206224.30      572.37      759.88                  759.88     0.000000
 0.14   1832703.00    14481.48          0.00
SQUAW CREEK    SC            1614.30*      PF 1       206224.30      572.35      759.88                  759.88     0.000000
 0.14   1833126.00    14482.72          0.00
SQUAW CREEK    SC            1609.35*      PF 1       206224.30      572.32      759.88                  759.88     0.000000
 0.14   1833549.00    14483.95          0.00
SQUAW CREEK    SC            1604.40*      PF 1       206224.30      572.30      759.88                  759.88     0.000000
 0.14   1833980.00    14485.19          0.00
SQUAW CREEK    SC            1599.45*      PF 1       206224.30      572.27      759.88                  759.88     0.000000
 0.14   1834414.00    14486.42          0.00
SQUAW CREEK    SC            1594.50*      PF 1       206224.30      572.25      759.88                  759.88     0.000000
 0.14   1834836.00    14487.65          0.00
SQUAW CREEK    SC            1589.55*      PF 1       206224.30      572.22      759.88                  759.88     0.000000
 0.14   1835268.00    14488.89          0.00
SQUAW CREEK    SC            1584.60*      PF 1       206224.30      572.20      759.88                  759.88     0.000000
 0.14   1835696.00    14490.12          0.00
SQUAW CREEK    SC            1579.65*      PF 1       206224.30      572.17      759.88                  759.88     0.000000
 0.14   1836120.00    14491.36          0.00
SQUAW CREEK    SC            1574.70*      PF 1       206224.30      572.15      759.88                  759.88     0.000000
 0.14   1836551.00    14492.59          0.00
SQUAW CREEK    SC            1569.75*      PF 1       206224.30      572.12      759.88                  759.88     0.000000
 0.14   1836986.00    14493.83          0.00
SQUAW CREEK    SC            1564.80*      PF 1       206224.30      572.10      759.88                  759.88     0.000000
 0.14   1837408.00    14495.06          0.00
SQUAW CREEK    SC            1559.85*      PF 1       206224.30      572.07      759.88                  759.88     0.000000
 0.14   1837841.00    14496.30          0.00
SQUAW CREEK    SC            1554.90*      PF 1       206224.30      572.05      759.88                  759.88     0.000000
 0.14   1838273.00    14497.53          0.00
SQUAW CREEK    SC            1549.95*      PF 1       206224.30      572.02      759.88                  759.88     0.000000
 0.14   1838697.00    14498.77          0.00
SQUAW CREEK    SC            1545          PF 1       206224.30      572.00      759.88                  759.88     0.000000
 0.14   1839129.00    14500.00          0.00
SQUAW CREEK    SC            1544.5*       PF 1       206224.30      572.00      759.88                  759.88     0.000000
 0.14   1839312.00    14501.51          0.00
SQUAW CREEK    SC            1544.*        PF 1       206224.30      572.00      759.88                  759.88     0.000000
 0.14   1839520.00    14503.02          0.00
SQUAW CREEK    SC            1543.5*       PF 1       206224.30      572.00      759.88                  759.88     0.000000
 0.14   1839705.00    14504.53          0.00
SQUAW CREEK    SC            1543.*        PF 1       206224.30      571.99      759.88                  759.88     0.000000
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 0.14   1839909.00    14506.04            0.00
SQUAW CREEK    SC             1542.5*       PF 1       206224.30      571.99      759.88                  759.88     0.000000
 0.14   1840087.00    14507.55            0.00
SQUAW CREEK    SC             1542.*        PF 1       206224.30      571.99      759.88                  759.88     0.000000
 0.14   1840293.00    14509.06            0.00
SQUAW CREEK    SC             1541.5*       PF 1       206224.30      571.99      759.88                  759.88     0.000000
 0.14   1840479.00    14510.57            0.00
SQUAW CREEK    SC             1541.*        PF 1       206224.30      571.99      759.88                  759.88     0.000000
 0.14   1840670.00    14512.08            0.00
SQUAW CREEK    SC             1540.5*       PF 1       206224.30      571.99      759.88                  759.88     0.000000
 0.14   1840863.00    14513.59            0.00
SQUAW CREEK    SC             1540.*        PF 1       206224.30      571.98      759.88                  759.88     0.000000
 0.14   1841066.00    14515.11            0.00
SQUAW CREEK    SC             1539.5*       PF 1       206224.30      571.98      759.88                  759.88     0.000000
 0.14   1841259.00    14516.62            0.00
SQUAW CREEK    SC             1539.*        PF 1       206224.30      571.98      759.88                  759.88     0.000000
 0.14   1841454.00    14518.13            0.00
SQUAW CREEK    SC             1538.5*       PF 1       206224.30      571.98      759.88                  759.88     0.000000
 0.14   1841639.00    14519.64            0.00
SQUAW CREEK    SC             1538.*        PF 1       206224.30      571.98      759.88                  759.88     0.000000
 0.14   1841832.00    14521.15            0.00
SQUAW CREEK    SC             1537.5*       PF 1       206224.30      571.98      759.88                  759.88     0.000000
 0.14   1842028.00    14522.66            0.00
SQUAW CREEK    SC             1537.*        PF 1       206224.30      571.98      759.88                  759.88     0.000000
 0.14   1842228.00    14524.17            0.00
SQUAW CREEK    SC             1536.5*       PF 1       206224.30      571.97      759.88                  759.88     0.000000
 0.14   1842416.00    14525.68            0.00
SQUAW CREEK    SC             1536.*        PF 1       206224.30      571.97      759.88                  759.88     0.000000
 0.14   1842602.00    14527.19            0.00
SQUAW CREEK    SC             1535.5*       PF 1       206224.30      571.97      759.88                  759.88     0.000000
 0.14   1842795.00    14528.70            0.00
SQUAW CREEK    SC             1535.*        PF 1       206224.30      571.97      759.88                  759.88     0.000000
 0.14   1842996.00    14530.21            0.00
SQUAW CREEK    SC             1534.5*       PF 1       206224.30      571.97      759.88                  759.88     0.000000
 0.14   1843181.00    14531.72            0.00
SQUAW CREEK    SC             1534.*        PF 1       206224.30      571.97      759.88                  759.88     0.000000
 0.14   1843372.00    14533.23            0.00
SQUAW CREEK    SC             1533.5*       PF 1       206224.30      571.97      759.88                  759.88     0.000000
 0.14   1843576.00    14534.74            0.00
SQUAW CREEK    SC             1533.*        PF 1       206224.30      571.96      759.88                  759.88     0.000000
 0.14   1843759.00    14536.25            0.00
SQUAW CREEK    SC             1532.5*       PF 1       206224.30      571.96      759.88                  759.88     0.000000
 0.14   1843952.00    14537.76            0.00
SQUAW CREEK    SC             1532.*        PF 1       206224.30      571.96      759.88                  759.88     0.000000
 0.14   1844145.00    14539.28            0.00
SQUAW CREEK    SC             1531.5*       PF 1       206224.30      571.96      759.88                  759.88     0.000000
 0.14   1844336.00    14540.79            0.00
SQUAW CREEK    SC             1531.*        PF 1       206224.30      571.96      759.88                  759.88     0.000000
 0.14   1844527.00    14542.30            0.00
SQUAW CREEK    SC             1530.5*       PF 1       206224.30      571.96      759.88                  759.88     0.000000
 0.14   1844720.00    14543.81            0.00
SQUAW CREEK    SC             1530.*        PF 1       206224.30      571.95      759.88                  759.88     0.000000
 0.14   1844928.00    14545.32            0.00
SQUAW CREEK    SC             1529.5*       PF 1       206224.30      571.95      759.88                  759.88     0.000000
 0.14   1845114.00    14546.83            0.00
SQUAW CREEK    SC             1529.*        PF 1       206224.30      571.95      759.88                  759.88     0.000000
 0.14   1845316.00    14548.34            0.00
SQUAW CREEK    SC             1528.5*       PF 1       206224.30      571.95      759.88                  759.88     0.000000
 0.14   1845492.00    14549.85            0.00
SQUAW CREEK    SC             1528.*        PF 1       206224.30      571.95      759.88                  759.88     0.000000
 0.14   1845684.00    14551.36            0.00
SQUAW CREEK    SC             1527.5*       PF 1       206224.30      571.95      759.88                  759.88     0.000000
 0.14   1845882.00    14552.87            0.00
SQUAW CREEK    SC             1527.*        PF 1       206224.30      571.95      759.88                  759.88     0.000000
 0.14   1846085.00    14554.38            0.00
SQUAW CREEK    SC             1526.5*       PF 1       206224.30      571.94      759.88                  759.88     0.000000
 0.14   1846263.00    14555.89            0.00
SQUAW CREEK    SC             1526.*        PF 1       206224.30      571.94      759.88                  759.88     0.000000
 0.14   1846463.00    14557.40            0.00
SQUAW CREEK    SC             1525.5*       PF 1       206224.30      571.94      759.88                  759.88     0.000000
 0.14   1846656.00    14558.91            0.00
SQUAW CREEK    SC             1525.*        PF 1       206224.30      571.94      759.88                  759.88     0.000000
 0.14   1846846.00    14560.42            0.00
SQUAW CREEK    SC             1524.5*       PF 1       206224.30      571.94      759.88                  759.88     0.000000
 0.14   1847031.00    14561.93            0.00
SQUAW CREEK    SC             1524.*        PF 1       206224.30      571.94      759.88                  759.88     0.000000
 0.14   1847231.00    14563.44            0.00
SQUAW CREEK    SC             1523.5*       PF 1       206224.30      571.94      759.88                  759.88     0.000000
 0.14   1847420.00    14564.96            0.00
SQUAW CREEK    SC             1523.*        PF 1       206224.30      571.93      759.88                  759.88     0.000000
 0.14   1847627.00    14566.46            0.00
SQUAW CREEK    SC             1522.5*       PF 1       206224.30      571.93      759.88                  759.88     0.000000
 0.14   1847807.00    14567.98            0.00
SQUAW CREEK    SC             1522.*        PF 1       206224.30      571.93      759.88                  759.88     0.000000
 0.14   1848003.00    14569.49            0.00
SQUAW CREEK    SC             1521.5*       PF 1       206224.30      571.93      759.88                  759.88     0.000000
 0.14   1848201.00    14571.00            0.00
SQUAW CREEK    SC             1521.*        PF 1       206224.30      571.93      759.88                  759.88     0.000000
 0.14   1848390.00    14572.51            0.00
SQUAW CREEK    SC             1520.5*       PF 1       206224.30      571.93      759.88                  759.88     0.000000
 0.14   1848581.00    14574.02            0.00
SQUAW CREEK    SC             1520.*        PF 1       206224.30      571.92      759.88                  759.88     0.000000
 0.14   1848766.00    14575.53            0.00
SQUAW CREEK    SC             1519.5*       PF 1       206224.30      571.92      759.88                  759.88     0.000000
 0.14   1848971.00    14577.04            0.00
SQUAW CREEK    SC             1519.*        PF 1       206224.30      571.92      759.88                  759.88     0.000000
 0.14   1849159.00    14578.55            0.00
SQUAW CREEK    SC             1518.5*       PF 1       206224.30      571.92      759.88                  759.88     0.000000
 0.14   1849347.00    14580.06            0.00
SQUAW CREEK    SC             1518.*        PF 1       206224.30      571.92      759.88                  759.88     0.000000
 0.14   1849547.00    14581.57            0.00
SQUAW CREEK    SC             1517.5*       PF 1       206224.30      571.92      759.88                  759.88     0.000000
 0.14   1849739.00    14583.08            0.00
SQUAW CREEK    SC             1517.*        PF 1       206224.30      571.92      759.88                  759.88     0.000000
 0.14   1849921.00    14584.59            0.00
SQUAW CREEK    SC             1516.5*       PF 1       206224.30      571.91      759.88                  759.88     0.000000
 0.14   1850113.00    14586.10            0.00
SQUAW CREEK    SC             1516.*        PF 1       206224.30      571.91      759.88                  759.88     0.000000
 0.14   1850311.00    14587.61            0.00
SQUAW CREEK    SC             1515.5*       PF 1       206224.30      571.91      759.88                  759.88     0.000000
 0.14   1850505.00    14589.12            0.00
SQUAW CREEK    SC             1515.*        PF 1       206224.30      571.91      759.88                  759.88     0.000000
 0.14   1850696.00    14590.63            0.00
SQUAW CREEK    SC             1514.5*       PF 1       206224.30      571.91      759.88                  759.88     0.000000
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 0.14   1850892.00    14592.14           0.00
SQUAW CREEK    SC            1514.*        PF 1       206224.30      571.91      759.88                  759.88     0.000000
 0.14   1851082.00    14593.66           0.00
SQUAW CREEK    SC            1513.5*       PF 1       206224.30      571.90      759.88                  759.88     0.000000
 0.14   1851274.00    14595.17           0.00
SQUAW CREEK    SC            1513.*        PF 1       206224.30      571.90      759.88                  759.88     0.000000
 0.14   1851475.00    14596.68           0.00
SQUAW CREEK    SC            1512.5*       PF 1       206224.30      571.90      759.88                  759.88     0.000000
 0.14   1851650.00    14598.19           0.00
SQUAW CREEK    SC            1512.*        PF 1       206224.30      571.90      759.88                  759.88     0.000000
 0.14   1851853.00    14599.70           0.00
SQUAW CREEK    SC            1511.5*       PF 1       206224.30      571.90      759.88                  759.88     0.000000
 0.14   1852046.00    14601.21           0.00
SQUAW CREEK    SC            1511.*        PF 1       206224.30      571.90      759.88                  759.88     0.000000
 0.14   1852248.00    14602.72           0.00
SQUAW CREEK    SC            1510.5*       PF 1       206224.30      571.90      759.88                  759.88     0.000000
 0.14   1852419.00    14604.23           0.00
SQUAW CREEK    SC            1510.*        PF 1       206224.30      571.89      759.88                  759.88     0.000000
 0.14   1852619.00    14605.74           0.00
SQUAW CREEK    SC            1509.5*       PF 1       206224.30      571.89      759.88                  759.88     0.000000
 0.14   1852806.00    14607.25           0.00
SQUAW CREEK    SC            1509.*        PF 1       206224.30      571.89      759.88                  759.88     0.000000
 0.14   1853005.00    14608.76           0.00
SQUAW CREEK    SC            1508.5*       PF 1       206224.30      571.89      759.88                  759.88     0.000000
 0.14   1853192.00    14610.27           0.00
SQUAW CREEK    SC            1508.*        PF 1       206224.30      571.89      759.88                  759.88     0.000000
 0.14   1853388.00    14611.78           0.00
SQUAW CREEK    SC            1507.5*       PF 1       206224.30      571.89      759.88                  759.88     0.000000
 0.14   1853573.00    14613.29           0.00
SQUAW CREEK    SC            1507.*        PF 1       206224.30      571.89      759.88                  759.88     0.000000
 0.14   1853770.00    14614.80           0.00
SQUAW CREEK    SC            1506.5*       PF 1       206224.30      571.88      759.88                  759.88     0.000000
 0.14   1853961.00    14616.31           0.00
SQUAW CREEK    SC            1506.*        PF 1       206224.30      571.88      759.88                  759.88     0.000000
 0.14   1854157.00    14617.83           0.00
SQUAW CREEK    SC            1505.5*       PF 1       206224.30      571.88      759.88                  759.88     0.000000
 0.14   1854361.00    14619.33           0.00
SQUAW CREEK    SC            1505.*        PF 1       206224.30      571.88      759.88                  759.88     0.000000
 0.14   1854546.00    14620.85           0.00
SQUAW CREEK    SC            1504.5*       PF 1       206224.30      571.88      759.88                  759.88     0.000000
 0.14   1854730.00    14622.36           0.00
SQUAW CREEK    SC            1504.*        PF 1       206224.30      571.88      759.88                  759.88     0.000000
 0.14   1854923.00    14623.87           0.00
SQUAW CREEK    SC            1503.5*       PF 1       206224.30      571.87      759.88                  759.88     0.000000
 0.14   1855121.00    14625.38           0.00
SQUAW CREEK    SC            1503.*        PF 1       206224.30      571.87      759.88                  759.88     0.000000
 0.14   1855304.00    14626.89           0.00
SQUAW CREEK    SC            1502.5*       PF 1       206224.30      571.87      759.88                  759.88     0.000000
 0.14   1855496.00    14628.40           0.00
SQUAW CREEK    SC            1502.*        PF 1       206224.30      571.87      759.88                  759.88     0.000000
 0.14   1855695.00    14629.91           0.00
SQUAW CREEK    SC            1501.5*       PF 1       206224.30      571.87      759.88                  759.88     0.000000
 0.14   1855892.00    14631.42           0.00
SQUAW CREEK    SC            1501.*        PF 1       206224.30      571.87      759.88                  759.88     0.000000
 0.14   1856079.00    14632.93           0.00
SQUAW CREEK    SC            1500.5*       PF 1       206224.30      571.87      759.88                  759.88     0.000000
 0.14   1856265.00    14634.44           0.00
SQUAW CREEK    SC            1500.*        PF 1       206224.30      571.86      759.88                  759.88     0.000000
 0.14   1856456.00    14635.95           0.00
SQUAW CREEK    SC            1499.5*       PF 1       206224.30      571.86      759.88                  759.88     0.000000
 0.14   1856660.00    14637.46           0.00
SQUAW CREEK    SC            1499.*        PF 1       206224.30      571.86      759.88                  759.88     0.000000
 0.14   1856845.00    14638.97           0.00
SQUAW CREEK    SC            1498.5*       PF 1       206224.30      571.86      759.88                  759.88     0.000000
 0.14   1857032.00    14640.48           0.00
SQUAW CREEK    SC            1498.*        PF 1       206224.30      571.86      759.88                  759.88     0.000000
 0.14   1857229.00    14641.99           0.00
SQUAW CREEK    SC            1497.5*       PF 1       206224.30      571.86      759.88                  759.88     0.000000
 0.14   1857423.00    14643.50           0.00
SQUAW CREEK    SC            1497.*        PF 1       206224.30      571.85      759.88                  759.88     0.000000
 0.14   1857614.00    14645.01           0.00
SQUAW CREEK    SC            1496.5*       PF 1       206224.30      571.85      759.88                  759.88     0.000000
 0.14   1857799.00    14646.53           0.00
SQUAW CREEK    SC            1496.*        PF 1       206224.30      571.85      759.88                  759.88     0.000000
 0.14   1857998.00    14648.04           0.00
SQUAW CREEK    SC            1495.5*       PF 1       206224.30      571.85      759.88                  759.88     0.000000
 0.14   1858190.00    14649.55           0.00
SQUAW CREEK    SC            1495.*        PF 1       206224.30      571.85      759.88                  759.88     0.000000
 0.14   1858379.00    14651.06           0.00
SQUAW CREEK    SC            1494.5*       PF 1       206224.30      571.85      759.88                  759.88     0.000000
 0.14   1858571.00    14652.57           0.00
SQUAW CREEK    SC            1494.*        PF 1       206224.30      571.85      759.88                  759.88     0.000000
 0.14   1858768.00    14654.08           0.00
SQUAW CREEK    SC            1493.5*       PF 1       206224.30      571.84      759.88                  759.88     0.000000
 0.14   1858950.00    14655.59           0.00
SQUAW CREEK    SC            1493.*        PF 1       206224.30      571.84      759.88                  759.88     0.000000
 0.14   1859147.00    14657.10           0.00
SQUAW CREEK    SC            1492.5*       PF 1       206224.30      571.84      759.88                  759.88     0.000000
 0.14   1859332.00    14658.61           0.00
SQUAW CREEK    SC            1492.*        PF 1       206224.30      571.84      759.88                  759.88     0.000000
 0.14   1859531.00    14660.12           0.00
SQUAW CREEK    SC            1491.5*       PF 1       206224.30      571.84      759.88                  759.88     0.000000
 0.14   1859714.00    14661.63           0.00
SQUAW CREEK    SC            1491.*        PF 1       206224.30      571.84      759.88                  759.88     0.000000
 0.14   1859909.00    14663.14           0.00
SQUAW CREEK    SC            1490.5*       PF 1       206224.30      571.84      759.88                  759.88     0.000000
 0.14   1860093.00    14664.65           0.00
SQUAW CREEK    SC            1490.*        PF 1       206224.30      571.83      759.88                  759.88     0.000000
 0.14   1860299.00    14666.16           0.00
SQUAW CREEK    SC            1489.5*       PF 1       206224.30      571.83      759.88                  759.88     0.000000
 0.14   1860497.00    14667.67           0.00
SQUAW CREEK    SC            1489.*        PF 1       206224.30      571.83      759.88                  759.88     0.000000
 0.14   1860677.00    14669.18           0.00
SQUAW CREEK    SC            1488.5*       PF 1       206224.30      571.83      759.88                  759.88     0.000000
 0.14   1860873.00    14670.70           0.00
SQUAW CREEK    SC            1488.*        PF 1       206224.30      571.83      759.88                  759.88     0.000000
 0.14   1861059.00    14672.21           0.00
SQUAW CREEK    SC            1487.5*       PF 1       206224.30      571.83      759.88                  759.88     0.000000
 0.14   1861263.00    14673.72           0.00
SQUAW CREEK    SC            1487.*        PF 1       206224.30      571.82      759.88                  759.88     0.000000
 0.14   1861441.00    14675.23           0.00
SQUAW CREEK    SC            1486.5*       PF 1       206224.30      571.82      759.88                  759.88     0.000000
 0.14   1861643.00    14676.74           0.00
SQUAW CREEK    SC            1486.*        PF 1       206224.30      571.82      759.88                  759.88     0.000000
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 0.14   1861827.00    14678.25           0.00
SQUAW CREEK    SC             1485.5*       PF 1       206224.30      571.82      759.88                  759.88     0.000000
 0.14   1862023.00    14679.76           0.00
SQUAW CREEK    SC             1485.*        PF 1       206224.30      571.82      759.88                  759.88     0.000000
 0.14   1862203.00    14681.27           0.00
SQUAW CREEK    SC             1484.5*       PF 1       206224.30      571.82      759.88                  759.88     0.000000
 0.14   1862396.00    14682.78           0.00
SQUAW CREEK    SC             1484.*        PF 1       206224.30      571.82      759.88                  759.88     0.000000
 0.14   1862585.00    14684.29           0.00
SQUAW CREEK    SC             1483.5*       PF 1       206224.30      571.81      759.88                  759.88     0.000000
 0.14   1862796.00    14685.80           0.00
SQUAW CREEK    SC             1483.*        PF 1       206224.30      571.81      759.88                  759.88     0.000000
 0.14   1862977.00    14687.31           0.00
SQUAW CREEK    SC             1482.5*       PF 1       206224.30      571.81      759.88                  759.88     0.000000
 0.14   1863168.00    14688.82           0.00
SQUAW CREEK    SC             1482.*        PF 1       206224.30      571.81      759.88                  759.88     0.000000
 0.14   1863357.00    14690.33           0.00
SQUAW CREEK    SC             1481.5*       PF 1       206224.30      571.81      759.88                  759.88     0.000000
 0.14   1863548.00    14691.84           0.00
SQUAW CREEK    SC             1481.*        PF 1       206224.30      571.81      759.88                  759.88     0.000000
 0.14   1863734.00    14693.35           0.00
SQUAW CREEK    SC             1480.5*       PF 1       206224.30      571.81      759.88                  759.88     0.000000
 0.14   1863933.00    14694.86           0.00
SQUAW CREEK    SC             1480.*        PF 1       206224.30      571.80      759.88                  759.88     0.000000
 0.14   1864139.00    14696.38           0.00
SQUAW CREEK    SC             1479.5*       PF 1       206224.30      571.80      759.88                  759.88     0.000000
 0.14   1864323.00    14697.88           0.00
SQUAW CREEK    SC             1479.*        PF 1       206224.30      571.80      759.88                  759.88     0.000000
 0.14   1864505.00    14699.40           0.00
SQUAW CREEK    SC             1478.5*       PF 1       206224.30      571.80      759.88                  759.88     0.000000
 0.14   1864699.00    14700.91           0.00
SQUAW CREEK    SC             1478.*        PF 1       206224.30      571.80      759.88                  759.88     0.000000
 0.14   1864898.00    14702.42           0.00
SQUAW CREEK    SC             1477.5*       PF 1       206224.30      571.80      759.88                  759.88     0.000000
 0.14   1865080.00    14703.93           0.00
SQUAW CREEK    SC             1477.*        PF 1       206224.30      571.79      759.88                  759.88     0.000000
 0.14   1865274.00    14705.44           0.00
SQUAW CREEK    SC             1476.5*       PF 1       206224.30      571.79      759.88                  759.88     0.000000
 0.14   1865457.00    14706.95           0.00
SQUAW CREEK    SC             1476.*        PF 1       206224.30      571.79      759.88                  759.88     0.000000
 0.14   1865658.00    14708.46           0.00
SQUAW CREEK    SC             1475.5*       PF 1       206224.30      571.79      759.88                  759.88     0.000000
 0.14   1865850.00    14709.97           0.00
SQUAW CREEK    SC             1475.*        PF 1       206224.30      571.79      759.88                  759.88     0.000000
 0.14   1866035.00    14711.48           0.00
SQUAW CREEK    SC             1474.5*       PF 1       206224.30      571.79      759.88                  759.88     0.000000
 0.14   1866219.00    14712.99           0.00
SQUAW CREEK    SC             1474.*        PF 1       206224.30      571.79      759.88                  759.88     0.000000
 0.14   1866416.00    14714.50           0.00
SQUAW CREEK    SC             1473.5*       PF 1       206224.30      571.78      759.88                  759.88     0.000000
 0.14   1866622.00    14716.01           0.00
SQUAW CREEK    SC             1473.*        PF 1       206224.30      571.78      759.88                  759.88     0.000000
 0.14   1866796.00    14717.52           0.00
SQUAW CREEK    SC             1472.5*       PF 1       206224.30      571.78      759.88                  759.88     0.000000
 0.14   1866996.00    14719.03           0.00
SQUAW CREEK    SC             1472.*        PF 1       206224.30      571.78      759.88                  759.88     0.000000
 0.14   1867190.00    14720.54           0.00
SQUAW CREEK    SC             1471.5*       PF 1       206224.30      571.78      759.88                  759.88     0.000000
 0.14   1867386.00    14722.05           0.00
SQUAW CREEK    SC             1471.*        PF 1       206224.30      571.78      759.88                  759.88     0.000000
 0.14   1867566.00    14723.57           0.00
SQUAW CREEK    SC             1470.5*       PF 1       206224.30      571.77      759.88                  759.88     0.000000
 0.14   1867764.00    14725.08           0.00
SQUAW CREEK    SC             1470.*        PF 1       206224.30      571.77      759.88                  759.88     0.000000
 0.14   1867955.00    14726.59           0.00
SQUAW CREEK    SC             1469.5*       PF 1       206224.30      571.77      759.88                  759.88     0.000000
 0.14   1868148.00    14728.10           0.00
SQUAW CREEK    SC             1469.*        PF 1       206224.30      571.77      759.88                  759.88     0.000000
 0.14   1868328.00    14729.61           0.00
SQUAW CREEK    SC             1468.5*       PF 1       206224.30      571.77      759.88                  759.88     0.000000
 0.14   1868521.00    14731.12           0.00
SQUAW CREEK    SC             1468.*        PF 1       206224.30      571.77      759.88                  759.88     0.000000
 0.14   1868718.00    14732.63           0.00
SQUAW CREEK    SC             1467.5*       PF 1       206224.30      571.77      759.88                  759.88     0.000000
 0.14   1868911.00    14734.14           0.00
SQUAW CREEK    SC             1467.*        PF 1       206224.30      571.76      759.88                  759.88     0.000000
 0.14   1869090.00    14735.65           0.00
SQUAW CREEK    SC             1466.5*       PF 1       206224.30      571.76      759.88                  759.88     0.000000
 0.14   1869290.00    14737.16           0.00
SQUAW CREEK    SC             1466.*        PF 1       206224.30      571.76      759.88                  759.88     0.000000
 0.14   1869478.00    14738.67           0.00
SQUAW CREEK    SC             1465.5*       PF 1       206224.30      571.76      759.88                  759.88     0.000000
 0.14   1869670.00    14740.18           0.00
SQUAW CREEK    SC             1465.*        PF 1       206224.30      571.76      759.88                  759.88     0.000000
 0.14   1869859.00    14741.69           0.00
SQUAW CREEK    SC             1464.5*       PF 1       206224.30      571.76      759.88                  759.88     0.000000
 0.14   1870046.00    14743.20           0.00
SQUAW CREEK    SC             1464.*        PF 1       206224.30      571.76      759.88                  759.88     0.000000
 0.14   1870251.00    14744.71           0.00
SQUAW CREEK    SC             1463.5*       PF 1       206224.30      571.75      759.88                  759.88     0.000000
 0.14   1870433.00    14746.22           0.00
SQUAW CREEK    SC             1463.*        PF 1       206224.30      571.75      759.88                  759.88     0.000000
 0.14   1870625.00    14747.73           0.00
SQUAW CREEK    SC             1462.5*       PF 1       206224.30      571.75      759.88                  759.88     0.000000
 0.14   1870806.00    14749.25           0.00
SQUAW CREEK    SC             1462.*        PF 1       206224.30      571.75      759.88                  759.88     0.000000
 0.14   1871015.00    14750.75           0.00
SQUAW CREEK    SC             1461.5*       PF 1       206224.30      571.75      759.88                  759.88     0.000000
 0.14   1871203.00    14752.27           0.00
SQUAW CREEK    SC             1461.*        PF 1       206224.30      571.75      759.88                  759.88     0.000000
 0.14   1871389.00    14753.78           0.00
SQUAW CREEK    SC             1460.5*       PF 1       206224.30      571.74      759.88                  759.88     0.000000
 0.14   1871574.00    14755.29           0.00
SQUAW CREEK    SC             1460.*        PF 1       206224.30      571.74      759.88                  759.88     0.000000
 0.14   1871773.00    14756.80           0.00
SQUAW CREEK    SC             1459.5*       PF 1       206224.30      571.74      759.88                  759.88     0.000000
 0.14   1871962.00    14758.31           0.00
SQUAW CREEK    SC             1459.*        PF 1       206224.30      571.74      759.88                  759.88     0.000000
 0.14   1872151.00    14759.82           0.00
SQUAW CREEK    SC             1458.5*       PF 1       206224.30      571.74      759.88                  759.88     0.000000
 0.14   1872337.00    14761.33           0.00
SQUAW CREEK    SC             1458.*        PF 1       206224.30      571.74      759.88                  759.88     0.000000
 0.14   1872531.00    14762.84           0.00
SQUAW CREEK    SC             1457.5*       PF 1       206224.30      571.74      759.88                  759.88     0.000000
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 0.14   1872721.00    14764.35          0.00
SQUAW CREEK    SC            1457.*       PF 1      206224.30      571.73      759.88                  759.88     0.000000
 0.14   1872913.00    14765.86          0.00
SQUAW CREEK    SC            1456.5*      PF 1      206224.30      571.73      759.88                  759.88     0.000000
 0.14   1873104.00    14767.37          0.00
SQUAW CREEK    SC            1456.*       PF 1      206224.30      571.73      759.88                  759.88     0.000000
 0.14   1873295.00    14768.88          0.00
SQUAW CREEK    SC            1455.5*      PF 1      206224.30      571.73      759.88                  759.88     0.000000
 0.14   1873499.00    14770.39          0.00
SQUAW CREEK    SC            1455.*       PF 1      206224.30      571.73      759.88                  759.88     0.000000
 0.14   1873677.00    14771.90          0.00
SQUAW CREEK    SC            1454.5*      PF 1      206224.30      571.73      759.88                  759.88     0.000000
 0.14   1873873.00    14773.41          0.00
SQUAW CREEK    SC            1454.*       PF 1      206224.30      571.73      759.88                  759.88     0.000000
 0.14   1874060.00    14774.92          0.00
SQUAW CREEK    SC            1453.5*      PF 1      206224.30      571.72      759.88                  759.88     0.000000
 0.14   1874256.00    14776.43          0.00
SQUAW CREEK    SC            1453.*       PF 1      206224.30      571.72      759.88                  759.88     0.000000
 0.14   1874432.00    14777.95          0.00
SQUAW CREEK    SC            1452.5*      PF 1      206224.30      571.72      759.88                  759.88     0.000000
 0.14   1874641.00    14779.46          0.00
SQUAW CREEK    SC            1452.*       PF 1      206224.30      571.72      759.88                  759.88     0.000000
 0.14   1874826.00    14780.97          0.00
SQUAW CREEK    SC            1451.5*      PF 1      206224.30      571.72      759.88                  759.88     0.000000
 0.14   1875018.00    14782.48          0.00
SQUAW CREEK    SC            1451.*       PF 1      206224.30      571.72      759.88                  759.88     0.000000
 0.14   1875194.00    14783.99          0.00
SQUAW CREEK    SC            1450.5*      PF 1      206224.30      571.71      759.88                  759.88     0.000000
 0.14   1875387.00    14785.50          0.00
SQUAW CREEK    SC            1450.*       PF 1      206224.30      571.71      759.88                  759.88     0.000000
 0.14   1875583.00    14787.01          0.00
SQUAW CREEK    SC            1449.5*      PF 1      206224.30      571.71      759.88                  759.88     0.000000
 0.14   1875770.00    14788.52          0.00
SQUAW CREEK    SC            1449.*       PF 1      206224.30      571.71      759.88                  759.88     0.000000
 0.14   1875965.00    14790.03          0.00
SQUAW CREEK    SC            1448.5*      PF 1      206224.30      571.71      759.88                  759.88     0.000000
 0.14   1876154.00    14791.54          0.00
SQUAW CREEK    SC            1448.*       PF 1      206224.30      571.71      759.88                  759.88     0.000000
 0.14   1876353.00    14793.05          0.00
SQUAW CREEK    SC            1447.5*      PF 1      206224.30      571.71      759.88                  759.88     0.000000
 0.14   1876537.00    14794.56          0.00
SQUAW CREEK    SC            1447.*       PF 1      206224.30      571.70      759.88                  759.88     0.000000
 0.14   1876723.00    14796.07          0.00
SQUAW CREEK    SC            1446.5*      PF 1      206224.30      571.70      759.88                  759.88     0.000000
 0.14   1876906.00    14797.58          0.00
SQUAW CREEK    SC            1446.*       PF 1      206224.30      571.70      759.88                  759.88     0.000000
 0.14   1877112.00    14799.09          0.00
SQUAW CREEK    SC            1445.5*      PF 1      206224.30      571.70      759.88                  759.88     0.000000
 0.14   1877299.00    14800.60          0.00
SQUAW CREEK    SC            1445.*       PF 1      206224.30      571.70      759.88                  759.88     0.000000
 0.14   1877487.00    14802.12          0.00
SQUAW CREEK    SC            1444.5*      PF 1      206224.30      571.70      759.88                  759.88     0.000000
 0.14   1877670.00    14803.62          0.00
SQUAW CREEK    SC            1444.*       PF 1      206224.30      571.69      759.88                  759.88     0.000000
 0.14   1877875.00    14805.14          0.00
SQUAW CREEK    SC            1443.5*      PF 1      206224.30      571.69      759.88                  759.88     0.000000
 0.14   1878056.00    14806.65          0.00
SQUAW CREEK    SC            1443.*       PF 1      206224.30      571.69      759.88                  759.88     0.000000
 0.14   1878257.00    14808.16          0.00
SQUAW CREEK    SC            1442.5*      PF 1      206224.30      571.69      759.88                  759.88     0.000000
 0.14   1878439.00    14809.67          0.00
SQUAW CREEK    SC            1442.*       PF 1      206224.30      571.69      759.88                  759.88     0.000000
 0.14   1878629.00    14811.18          0.00
SQUAW CREEK    SC            1441.5*      PF 1      206224.30      571.69      759.88                  759.88     0.000000
 0.14   1878816.00    14812.69          0.00
SQUAW CREEK    SC            1441.*       PF 1      206224.30      571.69      759.88                  759.88     0.000000
 0.14   1879003.00    14814.20          0.00
SQUAW CREEK    SC            1440.5*      PF 1      206224.30      571.68      759.88                  759.88     0.000000
 0.14   1879207.00    14815.71          0.00
SQUAW CREEK    SC            1440.*       PF 1      206224.30      571.68      759.88                  759.88     0.000000
 0.14   1879394.00    14817.22          0.00
SQUAW CREEK    SC            1439.5*      PF 1      206224.30      571.68      759.88                  759.88     0.000000
 0.14   1879591.00    14818.73          0.00
SQUAW CREEK    SC            1439.*       PF 1      206224.30      571.68      759.88                  759.88     0.000000
 0.14   1879765.00    14820.24          0.00
SQUAW CREEK    SC            1438.5*      PF 1      206224.30      571.68      759.88                  759.88     0.000000
 0.14   1879964.00    14821.75          0.00
SQUAW CREEK    SC            1438.*       PF 1      206224.30      571.68      759.88                  759.88     0.000000
 0.14   1880152.00    14823.26          0.00
SQUAW CREEK    SC            1437.5*      PF 1      206224.30      571.68      759.88                  759.88     0.000000
 0.14   1880351.00    14824.77          0.00
SQUAW CREEK    SC            1437.*       PF 1      206224.30      571.67      759.88                  759.88     0.000000
 0.14   1880527.00    14826.28          0.00
SQUAW CREEK    SC            1436.5*      PF 1      206224.30      571.67      759.88                  759.88     0.000000
 0.14   1880724.00    14827.79          0.00
SQUAW CREEK    SC            1436.*       PF 1      206224.30      571.67      759.88                  759.88     0.000000
 0.14   1880917.00    14829.30          0.00
SQUAW CREEK    SC            1435.5*      PF 1      206224.30      571.67      759.88                  759.88     0.000000
 0.14   1881111.00    14830.82          0.00
SQUAW CREEK    SC            1435.*       PF 1      206224.30      571.67      759.88                  759.88     0.000000
 0.14   1881289.00    14832.33          0.00
SQUAW CREEK    SC            1434.5*      PF 1      206224.30      571.67      759.88                  759.88     0.000000
 0.14   1881486.00    14833.84          0.00
SQUAW CREEK    SC            1434.*       PF 1      206224.30      571.66      759.88                  759.88     0.000000
 0.14   1881670.00    14835.35          0.00
SQUAW CREEK    SC            1433.5*      PF 1      206224.30      571.66      759.88                  759.88     0.000000
 0.14   1881874.00    14836.86          0.00
SQUAW CREEK    SC            1433.*       PF 1      206224.30      571.66      759.88                  759.88     0.000000
 0.14   1882055.00    14838.37          0.00
SQUAW CREEK    SC            1432.5*      PF 1      206224.30      571.66      759.88                  759.88     0.000000
 0.14   1882244.00    14839.88          0.00
SQUAW CREEK    SC            1432.*       PF 1      206224.30      571.66      759.88                  759.88     0.000000
 0.14   1882444.00    14841.39          0.00
SQUAW CREEK    SC            1431.5*      PF 1      206224.30      571.66      759.88                  759.88     0.000000
 0.14   1882628.00    14842.90          0.00
SQUAW CREEK    SC            1431.*       PF 1      206224.30      571.66      759.88                  759.88     0.000000
 0.14   1882818.00    14844.41          0.00
SQUAW CREEK    SC            1430.5*      PF 1      206224.30      571.65      759.88                  759.88     0.000000
 0.14   1883005.00    14845.92          0.00
SQUAW CREEK    SC            1430.*       PF 1      206224.30      571.65      759.88                  759.88     0.000000
 0.14   1883197.00    14847.43          0.00
SQUAW CREEK    SC            1429.5*      PF 1      206224.30      571.65      759.88                  759.88     0.000000
 0.14   1883385.00    14848.94          0.00
SQUAW CREEK    SC            1429.*       PF 1      206224.30      571.65      759.88                  759.88     0.000000
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 0.14   1883575.00    14850.45           0.00
SQUAW CREEK    SC            1428.5*       PF 1       206224.30      571.65      759.88                  759.88     0.000000
 0.14   1883761.00    14851.96           0.00
SQUAW CREEK    SC            1428.*        PF 1       206224.30      571.65      759.88                  759.88     0.000000
 0.14   1883957.00    14853.47           0.00
SQUAW CREEK    SC            1427.5*       PF 1       206224.30      571.65      759.88                  759.88     0.000000
 0.14   1884144.00    14854.99           0.00
SQUAW CREEK    SC            1427.*        PF 1       206224.30      571.64      759.88                  759.88     0.000000
 0.14   1884334.00    14856.50           0.00
SQUAW CREEK    SC            1426.5*       PF 1       206224.30      571.64      759.88                  759.88     0.000000
 0.14   1884522.00    14858.01           0.00
SQUAW CREEK    SC            1426.*        PF 1       206224.30      571.64      759.88                  759.88     0.000000
 0.14   1884719.00    14859.52           0.00
SQUAW CREEK    SC            1425.5*       PF 1       206224.30      571.64      759.88                  759.88     0.000000
 0.14   1884890.00    14861.03           0.00
SQUAW CREEK    SC            1425.*        PF 1       206224.30      571.64      759.88                  759.88     0.000000
 0.14   1885082.00    14862.54           0.00
SQUAW CREEK    SC            1424.5*       PF 1       206224.30      571.64      759.88                  759.88     0.000000
 0.14   1885278.00    14864.05           0.00
SQUAW CREEK    SC            1424.*        PF 1       206224.30      571.63      759.88                  759.88     0.000000
 0.14   1885482.00    14865.56           0.00
SQUAW CREEK    SC            1423.5*       PF 1       206224.30      571.63      759.88                  759.88     0.000000
 0.14   1885662.00    14867.07           0.00
SQUAW CREEK    SC            1423.*        PF 1       206224.30      571.63      759.88                  759.88     0.000000
 0.14   1885843.00    14868.58           0.00
SQUAW CREEK    SC            1422.5*       PF 1       206224.30      571.63      759.88                  759.88     0.000000
 0.14   1886039.00    14870.09           0.00
SQUAW CREEK    SC            1422.*        PF 1       206224.30      571.63      759.88                  759.88     0.000000
 0.14   1886224.00    14871.60           0.00
SQUAW CREEK    SC            1421.5*       PF 1       206224.30      571.63      759.88                  759.88     0.000000
 0.14   1886418.00    14873.11           0.00
SQUAW CREEK    SC            1421.*        PF 1       206224.30      571.63      759.88                  759.88     0.000000
 0.14   1886611.00    14874.62           0.00
SQUAW CREEK    SC            1420.5*       PF 1       206224.30      571.62      759.88                  759.88     0.000000
 0.14   1886805.00    14876.13           0.00
SQUAW CREEK    SC            1420.*        PF 1       206224.30      571.62      759.88                  759.88     0.000000
 0.14   1886990.00    14877.64           0.00
SQUAW CREEK    SC            1419.5*       PF 1       206224.30      571.62      759.88                  759.88     0.000000
 0.14   1887185.00    14879.15           0.00
SQUAW CREEK    SC            1419.*        PF 1       206224.30      571.62      759.88                  759.88     0.000000
 0.14   1887364.00    14880.67           0.00
SQUAW CREEK    SC            1418.5*       PF 1       206224.30      571.62      759.88                  759.88     0.000000
 0.14   1887554.00    14882.17           0.00
SQUAW CREEK    SC            1418.*        PF 1       206224.30      571.62      759.88                  759.88     0.000000
 0.14   1887748.00    14883.69           0.00
SQUAW CREEK    SC            1417.5*       PF 1       206224.30      571.61      759.88                  759.88     0.000000
 0.14   1887930.00    14885.20           0.00
SQUAW CREEK    SC            1417.*        PF 1       206224.30      571.61      759.88                  759.88     0.000000
 0.14   1888127.00    14886.71           0.00
SQUAW CREEK    SC            1416.5*       PF 1       206224.30      571.61      759.88                  759.88     0.000000
 0.14   1888319.00    14888.22           0.00
SQUAW CREEK    SC            1416.*        PF 1       206224.30      571.61      759.88                  759.88     0.000000
 0.14   1888513.00    14889.73           0.00
SQUAW CREEK    SC            1415.5*       PF 1       206224.30      571.61      759.88                  759.88     0.000000
 0.14   1888688.00    14891.24           0.00
SQUAW CREEK    SC            1415.*        PF 1       206224.30      571.61      759.88                  759.88     0.000000
 0.14   1888889.00    14892.75           0.00
SQUAW CREEK    SC            1414.5*       PF 1       206224.30      571.61      759.88                  759.88     0.000000
 0.14   1889076.00    14894.26           0.00
SQUAW CREEK    SC            1414.*        PF 1       206224.30      571.60      759.88                  759.88     0.000000
 0.14   1889269.00    14895.77           0.00
SQUAW CREEK    SC            1413.5*       PF 1       206224.30      571.60      759.88                  759.88     0.000000
 0.14   1889445.00    14897.28           0.00
SQUAW CREEK    SC            1413.*        PF 1       206224.30      571.60      759.88                  759.88     0.000000
 0.14   1889651.00    14898.79           0.00
SQUAW CREEK    SC            1412.5*       PF 1       206224.30      571.60      759.88                  759.88     0.000000
 0.14   1889833.00    14900.30           0.00
SQUAW CREEK    SC            1412.*        PF 1       206224.30      571.60      759.88                  759.88     0.000000
 0.14   1890025.00    14901.81           0.00
SQUAW CREEK    SC            1411.5*       PF 1       206224.30      571.60      759.88                  759.88     0.000000
 0.14   1890211.00    14903.32           0.00
SQUAW CREEK    SC            1411.*        PF 1       206224.30      571.60      759.88                  759.88     0.000000
 0.14   1890398.00    14904.83           0.00
SQUAW CREEK    SC            1410.5*       PF 1       206224.30      571.59      759.88                  759.88     0.000000
 0.14   1890585.00    14906.34           0.00
SQUAW CREEK    SC            1410.*        PF 1       206224.30      571.59      759.88                  759.88     0.000000
 0.14   1890797.00    14907.86           0.00
SQUAW CREEK    SC            1409.5*       PF 1       206224.30      571.59      759.88                  759.88     0.000000
 0.14   1890966.00    14909.37           0.00
SQUAW CREEK    SC            1409.*        PF 1       206224.30      571.59      759.88                  759.88     0.000000
 0.14   1891156.00    14910.88           0.00
SQUAW CREEK    SC            1408.5*       PF 1       206224.30      571.59      759.88                  759.88     0.000000
 0.14   1891357.00    14912.39           0.00
SQUAW CREEK    SC            1408.*        PF 1       206224.30      571.59      759.88                  759.88     0.000000
 0.14   1891549.00    14913.90           0.00
SQUAW CREEK    SC            1407.5*       PF 1       206224.30      571.58      759.88                  759.88     0.000000
 0.14   1891733.00    14915.41           0.00
SQUAW CREEK    SC            1407.*        PF 1       206224.30      571.58      759.88                  759.88     0.000000
 0.14   1891916.00    14916.92           0.00
SQUAW CREEK    SC            1406.5*       PF 1       206224.30      571.58      759.88                  759.88     0.000000
 0.14   1892110.00    14918.43           0.00
SQUAW CREEK    SC            1406.*        PF 1       206224.30      571.58      759.88                  759.88     0.000000
 0.14   1892291.00    14919.94           0.00
SQUAW CREEK    SC            1405.5*       PF 1       206224.30      571.58      759.88                  759.88     0.000000
 0.14   1892485.00    14921.45           0.00
SQUAW CREEK    SC            1405.*        PF 1       206224.30      571.58      759.88                  759.88     0.000000
 0.14   1892675.00    14922.96           0.00
SQUAW CREEK    SC            1404.5*       PF 1       206224.30      571.58      759.88                  759.88     0.000000
 0.14   1892867.00    14924.47           0.00
SQUAW CREEK    SC            1404.*        PF 1       206224.30      571.57      759.88                  759.88     0.000000
 0.14   1893050.00    14925.98           0.00
SQUAW CREEK    SC            1403.5*       PF 1       206224.30      571.57      759.88                  759.88     0.000000
 0.14   1893241.00    14927.49           0.00
SQUAW CREEK    SC            1403.*        PF 1       206224.30      571.57      759.88                  759.88     0.000000
 0.14   1893429.00    14929.00           0.00
SQUAW CREEK    SC            1402.5*       PF 1       206224.30      571.57      759.88                  759.88     0.000000
 0.14   1893623.00    14930.51           0.00
SQUAW CREEK    SC            1402.*        PF 1       206224.30      571.57      759.88                  759.88     0.000000
 0.14   1893817.00    14932.02           0.00
SQUAW CREEK    SC            1401.5*       PF 1       206224.30      571.57      759.88                  759.88     0.000000
 0.14   1893996.00    14933.54           0.00
SQUAW CREEK    SC            1401.*        PF 1       206224.30      571.56      759.88                  759.88     0.000000
 0.14   1894181.00    14935.04           0.00
SQUAW CREEK    SC            1400.5*       PF 1       206224.30      571.56      759.88                  759.88     0.000000
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 0.14   1894380.00    14936.56           0.00
SQUAW CREEK    SC            1400.*        PF 1       206224.30      571.56      759.88                  759.88     0.000000
 0.14   1894570.00    14938.07           0.00
SQUAW CREEK    SC            1399.5*       PF 1       206224.30      571.56      759.88                  759.88     0.000000
 0.14   1894746.00    14939.58           0.00
SQUAW CREEK    SC            1399.*        PF 1       206224.30      571.56      759.88                  759.88     0.000000
 0.14   1894950.00    14941.09           0.00
SQUAW CREEK    SC            1398.5*       PF 1       206224.30      571.56      759.88                  759.88     0.000000
 0.14   1895141.00    14942.60           0.00
SQUAW CREEK    SC            1398.*        PF 1       206224.30      571.56      759.88                  759.88     0.000000
 0.14   1895333.00    14944.11           0.00
SQUAW CREEK    SC            1397.5*       PF 1       206224.30      571.55      759.88                  759.88     0.000000
 0.14   1895507.00    14945.62           0.00
SQUAW CREEK    SC            1397.*        PF 1       206224.30      571.55      759.88                  759.88     0.000000
 0.14   1895703.00    14947.13           0.00
SQUAW CREEK    SC            1396.5*       PF 1       206224.30      571.55      759.88                  759.88     0.000000
 0.14   1895883.00    14948.64           0.00
SQUAW CREEK    SC            1396.*        PF 1       206224.30      571.55      759.88                  759.88     0.000000
 0.14   1896094.00    14950.15           0.00
SQUAW CREEK    SC            1395.5*       PF 1       206224.30      571.55      759.88                  759.88     0.000000
 0.14   1896264.00    14951.66           0.00
SQUAW CREEK    SC            1395.*        PF 1       206224.30      571.55      759.88                  759.88     0.000000
 0.14   1896454.00    14953.17           0.00
SQUAW CREEK    SC            1394.5*       PF 1       206224.30      571.55      759.88                  759.88     0.000000
 0.14   1896642.00    14954.68           0.00
SQUAW CREEK    SC            1394.*        PF 1       206224.30      571.54      759.88                  759.88     0.000000
 0.14   1896835.00    14956.19           0.00
SQUAW CREEK    SC            1393.5*       PF 1       206224.30      571.54      759.88                  759.88     0.000000
 0.14   1897014.00    14957.70           0.00
SQUAW CREEK    SC            1393.*        PF 1       206224.30      571.54      759.88                  759.88     0.000000
 0.14   1897218.00    14959.21           0.00
SQUAW CREEK    SC            1392.5*       PF 1       206224.30      571.54      759.88                  759.88     0.000000
 0.14   1897409.00    14960.72           0.00
SQUAW CREEK    SC            1392.*        PF 1       206224.30      571.54      759.88                  759.88     0.000000
 0.14   1897596.00    14962.24           0.00
SQUAW CREEK    SC            1391.5*       PF 1       206224.30      571.54      759.88                  759.88     0.000000
 0.14   1897786.00    14963.75           0.00
SQUAW CREEK    SC            1391.*        PF 1       206224.30      571.53      759.88                  759.88     0.000000
 0.14   1897969.00    14965.26           0.00
SQUAW CREEK    SC            1390.5*       PF 1       206224.30      571.53      759.88                  759.88     0.000000
 0.14   1898162.00    14966.77           0.00
SQUAW CREEK    SC            1390.*        PF 1       206224.30      571.53      759.88                  759.88     0.000000
 0.14   1898343.00    14968.28           0.00
SQUAW CREEK    SC            1389.5*       PF 1       206224.30      571.53      759.88                  759.88     0.000000
 0.14   1898535.00    14969.79           0.00
SQUAW CREEK    SC            1389.*        PF 1       206224.30      571.53      759.88                  759.88     0.000000
 0.14   1898716.00    14971.30           0.00
SQUAW CREEK    SC            1388.5*       PF 1       206224.30      571.53      759.88                  759.88     0.000000
 0.14   1898916.00    14972.81           0.00
SQUAW CREEK    SC            1388.*        PF 1       206224.30      571.53      759.88                  759.88     0.000000
 0.14   1899101.00    14974.32           0.00
SQUAW CREEK    SC            1387.5*       PF 1       206224.30      571.52      759.88                  759.88     0.000000
 0.14   1899280.00    14975.83           0.00
SQUAW CREEK    SC            1387.*        PF 1       206224.30      571.52      759.88                  759.88     0.000000
 0.14   1899467.00    14977.34           0.00
SQUAW CREEK    SC            1386.5*       PF 1       206224.30      571.52      759.88                  759.88     0.000000
 0.14   1899670.00    14978.85           0.00
SQUAW CREEK    SC            1386.*        PF 1       206224.30      571.52      759.88                  759.88     0.000000
 0.14   1899861.00    14980.36           0.00
SQUAW CREEK    SC            1385.5*       PF 1       206224.30      571.52      759.88                  759.88     0.000000
 0.14   1900048.00    14981.87           0.00
SQUAW CREEK    SC            1385.*        PF 1       206224.30      571.52      759.88                  759.88     0.000000
 0.14   1900229.00    14983.38           0.00
SQUAW CREEK    SC            1384.5*       PF 1       206224.30      571.52      759.88                  759.88     0.000000
 0.14   1900425.00    14984.89           0.00
SQUAW CREEK    SC            1384.*        PF 1       206224.30      571.51      759.88                  759.88     0.000000
 0.14   1900625.00    14986.41           0.00
SQUAW CREEK    SC            1383.5*       PF 1       206224.30      571.51      759.88                  759.88     0.000000
 0.14   1900804.00    14987.92           0.00
SQUAW CREEK    SC            1383.*        PF 1       206224.30      571.51      759.88                  759.88     0.000000
 0.14   1900993.00    14989.43           0.00
SQUAW CREEK    SC            1382.5*       PF 1       206224.30      571.51      759.88                  759.88     0.000000
 0.13   1901172.00    14990.94           0.00
SQUAW CREEK    SC            1382.*        PF 1       206224.30      571.51      759.88                  759.88     0.000000
 0.13   1901375.00    14992.45           0.00
SQUAW CREEK    SC            1381.5*       PF 1       206224.30      571.51      759.88                  759.88     0.000000
 0.13   1901558.00    14993.96           0.00
SQUAW CREEK    SC            1381.*        PF 1       206224.30      571.50      759.88                  759.88     0.000000
 0.13   1901749.00    14995.47           0.00
SQUAW CREEK    SC            1380.5*       PF 1       206224.30      571.50      759.88                  759.88     0.000000
 0.13   1901938.00    14996.98           0.00
SQUAW CREEK    SC            1380.*        PF 1       206224.30      571.50      759.88                  759.88     0.000000
 0.13   1902134.00    14998.49           0.00
SQUAW CREEK    SC            1379.5*       PF 1       206224.30      571.50      759.88                  759.88     0.000000
 0.13   1902305.00    15000.00           0.00
SQUAW CREEK    SC            1379.*        PF 1       206224.30      571.50      759.88                  759.88     0.000000
 0.13   1902496.00    15001.51           0.00
SQUAW CREEK    SC            1378.5*       PF 1       206224.30      571.50      759.88                  759.88     0.000000
 0.13   1902683.00    15003.02           0.00
SQUAW CREEK    SC            1378.*        PF 1       206224.30      571.50      759.88                  759.88     0.000000
 0.13   1902872.00    15004.53           0.00
SQUAW CREEK    SC            1377.5*       PF 1       206224.30      571.49      759.88                  759.88     0.000000
 0.13   1903052.00    15006.04           0.00
SQUAW CREEK    SC            1377.*        PF 1       206224.30      571.49      759.88                  759.88     0.000000
 0.13   1903262.00    15007.55           0.00
SQUAW CREEK    SC            1376.5*       PF 1       206224.30      571.49      759.88                  759.88     0.000000
 0.13   1903446.00    15009.06           0.00
SQUAW CREEK    SC            1376.*        PF 1       206224.30      571.49      759.88                  759.88     0.000000
 0.13   1903632.00    15010.57           0.00
SQUAW CREEK    SC            1375.5*       PF 1       206224.30      571.49      759.88                  759.88     0.000000
 0.13   1903818.00    15012.08           0.00
SQUAW CREEK    SC            1375.*        PF 1       206224.30      571.49      759.88                  759.88     0.000000
 0.13   1904006.00    15013.59           0.00
SQUAW CREEK    SC            1374.5*       PF 1       206224.30      571.48      759.88                  759.88     0.000000
 0.13   1904204.00    15015.11           0.00
SQUAW CREEK    SC            1374.*        PF 1       206224.30      571.48      759.88                  759.88     0.000000
 0.13   1904393.00    15016.62           0.00
SQUAW CREEK    SC            1373.5*       PF 1       206224.30      571.48      759.88                  759.88     0.000000
 0.13   1904576.00    15018.13           0.00
SQUAW CREEK    SC            1373.*        PF 1       206224.30      571.48      759.88                  759.88     0.000000
 0.13   1904755.00    15019.64           0.00
SQUAW CREEK    SC            1372.5*       PF 1       206224.30      571.48      759.88                  759.88     0.000000
 0.13   1904960.00    15021.15           0.00
SQUAW CREEK    SC            1372.*        PF 1       206224.30      571.48      759.88                  759.88     0.000000
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 0.13   1905137.00    15022.66            0.00
SQUAW CREEK    SC             1371.5*       PF 1       206224.30      571.48      759.88                  759.88     0.000000
 0.13   1905318.00    15024.17            0.00
SQUAW CREEK    SC             1371.*        PF 1       206224.30      571.47      759.88                  759.88     0.000000
 0.13   1905509.00    15025.68            0.00
SQUAW CREEK    SC             1370.5*       PF 1       206224.30      571.47      759.88                  759.88     0.000000
 0.13   1905702.00    15027.19            0.00
SQUAW CREEK    SC             1370.*        PF 1       206224.30      571.47      759.88                  759.88     0.000000
 0.13   1905893.00    15028.70            0.00
SQUAW CREEK    SC             1369.5*       PF 1       206224.30      571.47      759.88                  759.88     0.000000
 0.13   1906079.00    15030.21            0.00
SQUAW CREEK    SC             1369.*        PF 1       206224.30      571.47      759.88                  759.88     0.000000
 0.13   1906262.00    15031.72            0.00
SQUAW CREEK    SC             1368.5*       PF 1       206224.30      571.47      759.88                  759.88     0.000000
 0.13   1906450.00    15033.23            0.00
SQUAW CREEK    SC             1368.*        PF 1       206224.30      571.47      759.88                  759.88     0.000000
 0.13   1906653.00    15034.74            0.00
SQUAW CREEK    SC             1367.5*       PF 1       206224.30      571.46      759.88                  759.88     0.000000
 0.13   1906835.00    15036.25            0.00
SQUAW CREEK    SC             1367.*        PF 1       206224.30      571.46      759.88                  759.88     0.000000
 0.13   1907027.00    15037.76            0.00
SQUAW CREEK    SC             1366.5*       PF 1       206224.30      571.46      759.88                  759.88     0.000000
 0.13   1907204.00    15039.28            0.00
SQUAW CREEK    SC             1366.*        PF 1       206224.30      571.46      759.88                  759.88     0.000000
 0.13   1907400.00    15040.79            0.00
SQUAW CREEK    SC             1365.5*       PF 1       206224.30      571.46      759.88                  759.88     0.000000
 0.13   1907583.00    15042.30            0.00
SQUAW CREEK    SC             1365.*        PF 1       206224.30      571.46      759.88                  759.88     0.000000
 0.13   1907767.00    15043.81            0.00
SQUAW CREEK    SC             1364.5*       PF 1       206224.30      571.45      759.88                  759.88     0.000000
 0.13   1907964.00    15045.32            0.00
SQUAW CREEK    SC             1364.*        PF 1       206224.30      571.45      759.88                  759.88     0.000000
 0.13   1908161.00    15046.83            0.00
SQUAW CREEK    SC             1363.5*       PF 1       206224.30      571.45      759.88                  759.88     0.000000
 0.13   1908331.00    15048.34            0.00
SQUAW CREEK    SC             1363.*        PF 1       206224.30      571.45      759.88                  759.88     0.000000
 0.13   1908527.00    15049.85            0.00
SQUAW CREEK    SC             1362.5*       PF 1       206224.30      571.45      759.88                  759.88     0.000000
 0.13   1908714.00    15051.36            0.00
SQUAW CREEK    SC             1362.*        PF 1       206224.30      571.45      759.88                  759.88     0.000000
 0.13   1908901.00    15052.87            0.00
SQUAW CREEK    SC             1361.5*       PF 1       206224.30      571.45      759.88                  759.88     0.000000
 0.13   1909084.00    15054.38            0.00
SQUAW CREEK    SC             1361.*        PF 1       206224.30      571.44      759.88                  759.88     0.000000
 0.13   1909275.00    15055.89            0.00
SQUAW CREEK    SC             1360.5*       PF 1       206224.30      571.44      759.88                  759.88     0.000000
 0.13   1909463.00    15057.40            0.00
SQUAW CREEK    SC             1360.*        PF 1       206224.30      571.44      759.88                  759.88     0.000000
 0.13   1909659.00    15058.91            0.00
SQUAW CREEK    SC             1359.5*       PF 1       206224.30      571.44      759.88                  759.88     0.000000
 0.13   1909840.00    15060.42            0.00
SQUAW CREEK    SC             1359.*        PF 1       206224.30      571.44      759.88                  759.88     0.000000
 0.13   1910027.00    15061.93            0.00
SQUAW CREEK    SC             1358.5*       PF 1       206224.30      571.44      759.88                  759.88     0.000000
 0.13   1910232.00    15063.44            0.00
SQUAW CREEK    SC             1358.*        PF 1       206224.30      571.44      759.88                  759.88     0.000000
 0.13   1910417.00    15064.96            0.00
SQUAW CREEK    SC             1357.5*       PF 1       206224.30      571.43      759.88                  759.88     0.000000
 0.13   1910597.00    15066.46            0.00
SQUAW CREEK    SC             1357.*        PF 1       206224.30      571.43      759.88                  759.88     0.000000
 0.13   1910780.00    15067.98            0.00
SQUAW CREEK    SC             1356.5*       PF 1       206224.30      571.43      759.88                  759.88     0.000000
 0.13   1910974.00    15069.49            0.00
SQUAW CREEK    SC             1356.*        PF 1       206224.30      571.43      759.88                  759.88     0.000000
 0.13   1911161.00    15071.00            0.00
SQUAW CREEK    SC             1355.5*       PF 1       206224.30      571.43      759.88                  759.88     0.000000
 0.13   1911340.00    15072.51            0.00
SQUAW CREEK    SC             1355.*        PF 1       206224.30      571.43      759.88                  759.88     0.000000
 0.13   1911530.00    15074.02            0.00
SQUAW CREEK    SC             1354.5*       PF 1       206224.30      571.42      759.88                  759.88     0.000000
 0.13   1911725.00    15075.53            0.00
SQUAW CREEK    SC             1354.*        PF 1       206224.30      571.42      759.88                  759.88     0.000000
 0.13   1911895.00    15077.04            0.00
SQUAW CREEK    SC             1353.5*       PF 1       206224.30      571.42      759.88                  759.88     0.000000
 0.13   1912099.00    15078.55            0.00
SQUAW CREEK    SC             1353.*        PF 1       206224.30      571.42      759.88                  759.88     0.000000
 0.13   1912282.00    15080.06            0.00
SQUAW CREEK    SC             1352.5*       PF 1       206224.30      571.42      759.88                  759.88     0.000000
 0.13   1912475.00    15081.57            0.00
SQUAW CREEK    SC             1352.*        PF 1       206224.30      571.42      759.88                  759.88     0.000000
 0.13   1912650.00    15083.08            0.00
SQUAW CREEK    SC             1351.5*       PF 1       206224.30      571.42      759.88                  759.88     0.000000
 0.13   1912847.00    15084.59            0.00
SQUAW CREEK    SC             1351.*        PF 1       206224.30      571.41      759.88                  759.88     0.000000
 0.13   1913044.00    15086.10            0.00
SQUAW CREEK    SC             1350.5*       PF 1       206224.30      571.41      759.88                  759.88     0.000000
 0.13   1913225.00    15087.61            0.00
SQUAW CREEK    SC             1350.*        PF 1       206224.30      571.41      759.88                  759.88     0.000000
 0.13   1913416.00    15089.12            0.00
SQUAW CREEK    SC             1349.5*       PF 1       206224.30      571.41      759.88                  759.88     0.000000
 0.13   1913595.00    15090.63            0.00
SQUAW CREEK    SC             1349.*        PF 1       206224.30      571.41      759.88                  759.88     0.000000
 0.13   1913798.00    15092.14            0.00
SQUAW CREEK    SC             1348.5*       PF 1       206224.30      571.41      759.88                  759.88     0.000000
 0.13   1913976.00    15093.66            0.00
SQUAW CREEK    SC             1348.*        PF 1       206224.30      571.40      759.88                  759.88     0.000000
 0.13   1914167.00    15095.17            0.00
SQUAW CREEK    SC             1347.5*       PF 1       206224.30      571.40      759.88                  759.88     0.000000
 0.13   1914348.00    15096.68            0.00
SQUAW CREEK    SC             1347.*        PF 1       206224.30      571.40      759.88                  759.88     0.000000
 0.13   1914535.00    15098.19            0.00
SQUAW CREEK    SC             1346.5*       PF 1       206224.30      571.40      759.88                  759.88     0.000000
 0.13   1914722.00    15099.70            0.00
SQUAW CREEK    SC             1346.*        PF 1       206224.30      571.40      759.88                  759.88     0.000000
 0.13   1914914.00    15101.21            0.00
SQUAW CREEK    SC             1345.5*       PF 1       206224.30      571.40      759.88                  759.88     0.000000
 0.13   1915100.00    15102.72            0.00
SQUAW CREEK    SC             1345.*        PF 1       206224.30      571.40      759.88                  759.88     0.000000
 0.13   1915286.00    15104.23            0.00
SQUAW CREEK    SC             1344.5*       PF 1       206224.30      571.39      759.88                  759.88     0.000000
 0.13   1915479.00    15105.74            0.00
SQUAW CREEK    SC             1344.*        PF 1       206224.30      571.39      759.88                  759.88     0.000000
 0.13   1915659.00    15107.25            0.00
SQUAW CREEK    SC             1343.5*       PF 1       206224.30      571.39      759.88                  759.88     0.000000
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 0.13   1915850.00     15108.76            0.00
SQUAW CREEK    SC             1343.*        PF 1       206224.30      571.39      759.88                  759.88     0.000000
 0.13   1916031.00     15110.27            0.00
SQUAW CREEK    SC             1342.5*       PF 1       206224.30      571.39      759.88                  759.88     0.000000
 0.13   1916232.00     15111.78            0.00
SQUAW CREEK    SC             1342.*        PF 1       206224.30      571.39      759.88                  759.88     0.000000
 0.13   1916411.00     15113.29            0.00
SQUAW CREEK    SC             1341.5*       PF 1       206224.30      571.39      759.88                  759.88     0.000000
 0.13   1916608.00     15114.80            0.00
SQUAW CREEK    SC             1341.*        PF 1       206224.30      571.38      759.88                  759.88     0.000000
 0.13   1916788.00     15116.31            0.00
SQUAW CREEK    SC             1340.5*       PF 1       206224.30      571.38      759.88                  759.88     0.000000
 0.13   1916982.00     15117.83            0.00
SQUAW CREEK    SC             1340.*        PF 1       206224.30      571.38      759.88                  759.88     0.000000
 0.13   1917151.00     15119.33            0.00
SQUAW CREEK    SC             1339.5*       PF 1       206224.30      571.38      759.88                  759.88     0.000000
 0.13   1917351.00     15120.85            0.00
SQUAW CREEK    SC             1339.*        PF 1       206224.30      571.38      759.88                  759.88     0.000000
 0.13   1917536.00     15122.36            0.00
SQUAW CREEK    SC             1338.5*       PF 1       206224.30      571.38      759.88                  759.88     0.000000
 0.13   1917730.00     15123.87            0.00
SQUAW CREEK    SC             1338.*        PF 1       206224.30      571.37      759.88                  759.88     0.000000
 0.13   1917907.00     15125.38            0.00
SQUAW CREEK    SC             1337.5*       PF 1       206224.30      571.37      759.88                  759.88     0.000000
 0.13   1918094.00     15126.89            0.00
SQUAW CREEK    SC             1337.*        PF 1       206224.30      571.37      759.88                  759.88     0.000000
 0.13   1918280.00     15128.40            0.00
SQUAW CREEK    SC             1336.5*       PF 1       206224.30      571.37      759.88                  759.88     0.000000
 0.13   1918484.00     15129.91            0.00
SQUAW CREEK    SC             1336.*        PF 1       206224.30      571.37      759.88                  759.88     0.000000
 0.13   1918657.00     15131.42            0.00
SQUAW CREEK    SC             1335.5*       PF 1       206224.30      571.37      759.88                  759.88     0.000000
 0.13   1918845.00     15132.93            0.00
SQUAW CREEK    SC             1335.*        PF 1       206224.30      571.37      759.88                  759.88     0.000000
 0.13   1919041.00     15134.44            0.00
SQUAW CREEK    SC             1334.5*       PF 1       206224.30      571.36      759.88                  759.88     0.000000
 0.13   1919230.00     15135.95            0.00
SQUAW CREEK    SC             1334.*        PF 1       206224.30      571.36      759.88                  759.88     0.000000
 0.13   1919413.00     15137.46            0.00
SQUAW CREEK    SC             1333.5*       PF 1       206224.30      571.36      759.88                  759.88     0.000000
 0.13   1919599.00     15138.97            0.00
SQUAW CREEK    SC             1333.*        PF 1       206224.30      571.36      759.88                  759.88     0.000000
 0.13   1919789.00     15140.48            0.00
SQUAW CREEK    SC             1332.5*       PF 1       206224.30      571.36      759.88                  759.88     0.000000
 0.13   1919977.00     15141.99            0.00
SQUAW CREEK    SC             1332.*        PF 1       206224.30      571.36      759.88                  759.88     0.000000
 0.13   1920161.00     15143.50            0.00
SQUAW CREEK    SC             1331.5*       PF 1       206224.30      571.35      759.88                  759.88     0.000000
 0.13   1920343.00     15145.01            0.00
SQUAW CREEK    SC             1331.*        PF 1       206224.30      571.35      759.88                  759.88     0.000000
 0.13   1920533.00     15146.53            0.00
SQUAW CREEK    SC             1330.5*       PF 1       206224.30      571.35      759.88                  759.88     0.000000
 0.13   1920716.00     15148.04            0.00
SQUAW CREEK    SC             1330.*        PF 1       206224.30      571.35      759.88                  759.88     0.000000
 0.13   1920913.00     15149.55            0.00
SQUAW CREEK    SC             1329.5*       PF 1       206224.30      571.35      759.88                  759.88     0.000000
 0.13   1921094.00     15151.06            0.00
SQUAW CREEK    SC             1329.*        PF 1       206224.30      571.35      759.88                  759.88     0.000000
 0.13   1921286.00     15152.57            0.00
SQUAW CREEK    SC             1328.5*       PF 1       206224.30      571.35      759.88                  759.88     0.000000
 0.13   1921465.00     15154.08            0.00
SQUAW CREEK    SC             1328.*        PF 1       206224.30      571.34      759.88                  759.88     0.000000
 0.13   1921655.00     15155.59            0.00
SQUAW CREEK    SC             1327.5*       PF 1       206224.30      571.34      759.88                  759.88     0.000000
 0.13   1921848.00     15157.10            0.00
SQUAW CREEK    SC             1327.*        PF 1       206224.30      571.34      759.88                  759.88     0.000000
 0.13   1922031.00     15158.61            0.00
SQUAW CREEK    SC             1326.5*       PF 1       206224.30      571.34      759.88                  759.88     0.000000
 0.13   1922232.00     15160.12            0.00
SQUAW CREEK    SC             1326.*        PF 1       206224.30      571.34      759.88                  759.88     0.000000
 0.13   1922405.00     15161.63            0.00
SQUAW CREEK    SC             1325.5*       PF 1       206224.30      571.34      759.88                  759.88     0.000000
 0.13   1922598.00     15163.14            0.00
SQUAW CREEK    SC             1325.*        PF 1       206224.30      571.34      759.88                  759.88     0.000000
 0.13   1922782.00     15164.65            0.00
SQUAW CREEK    SC             1324.5*       PF 1       206224.30      571.33      759.88                  759.88     0.000000
 0.13   1922977.00     15166.16            0.00
SQUAW CREEK    SC             1324.*        PF 1       206224.30      571.33      759.88                  759.88     0.000000
 0.13   1923151.00     15167.67            0.00
SQUAW CREEK    SC             1323.5*       PF 1       206224.30      571.33      759.88                  759.88     0.000000
 0.13   1923345.00     15169.18            0.00
SQUAW CREEK    SC             1323.*        PF 1       206224.30      571.33      759.88                  759.88     0.000000
 0.13   1923532.00     15170.70            0.00
SQUAW CREEK    SC             1322.5*       PF 1       206224.30      571.33      759.88                  759.88     0.000000
 0.13   1923726.00     15172.21            0.00
SQUAW CREEK    SC             1322.*        PF 1       206224.30      571.33      759.88                  759.88     0.000000
 0.13   1923896.00     15173.72            0.00
SQUAW CREEK    SC             1321.5*       PF 1       206224.30      571.32      759.88                  759.88     0.000000
 0.13   1924091.00     15175.23            0.00
SQUAW CREEK    SC             1321.*        PF 1       206224.30      571.32      759.88                  759.88     0.000000
 0.13   1924279.00     15176.74            0.00
SQUAW CREEK    SC             1320.5*       PF 1       206224.30      571.32      759.88                  759.88     0.000000
 0.13   1924470.00     15178.25            0.00
SQUAW CREEK    SC             1320.*        PF 1       206224.30      571.32      759.88                  759.88     0.000000
 0.13   1924644.00     15179.76            0.00
SQUAW CREEK    SC             1319.5*       PF 1       206224.30      571.32      759.88                  759.88     0.000000
 0.13   1924831.00     15181.27            0.00
SQUAW CREEK    SC             1319.*        PF 1       206224.30      571.32      759.88                  759.88     0.000000
 0.13   1925023.00     15182.78            0.00
SQUAW CREEK    SC             1318.5*       PF 1       206224.30      571.32      759.88                  759.88     0.000000
 0.13   1925216.00     15184.29            0.00
SQUAW CREEK    SC             1318.*        PF 1       206224.30      571.31      759.88                  759.88     0.000000
 0.13   1925401.00     15185.80            0.00
SQUAW CREEK    SC             1317.5*       PF 1       206224.30      571.31      759.88                  759.88     0.000000
 0.13   1925584.00     15187.31            0.00
SQUAW CREEK    SC             1317.*        PF 1       206224.30      571.31      759.88                  759.88     0.000000
 0.13   1925779.00     15188.82            0.00
SQUAW CREEK    SC             1316.5*       PF 1       206224.30      571.31      759.88                  759.88     0.000000
 0.13   1925957.00     15190.33            0.00
SQUAW CREEK    SC             1316.*        PF 1       206224.30      571.31      759.88                  759.88     0.000000
 0.13   1926143.00     15191.84            0.00
SQUAW CREEK    SC             1315.5*       PF 1       206224.30      571.31      759.88                  759.88     0.000000
 0.13   1926323.00     15193.35            0.00
SQUAW CREEK    SC             1315.*        PF 1       206224.30      571.31      759.88                  759.88     0.000000
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 0.13   1926516.00     15194.86            0.00
SQUAW CREEK    SC             1314.5*       PF 1       206224.30      571.30      759.88                  759.88     0.000000
 0.13   1926717.00     15196.38            0.00
SQUAW CREEK    SC             1314.*        PF 1       206224.30      571.30      759.88                  759.88     0.000000
 0.13   1926890.00     15197.88            0.00
SQUAW CREEK    SC             1313.5*       PF 1       206224.30      571.30      759.88                  759.88     0.000000
 0.13   1927078.00     15199.40            0.00
SQUAW CREEK    SC             1313.*        PF 1       206224.30      571.30      759.88                  759.88     0.000000
 0.13   1927270.00     15200.91            0.00
SQUAW CREEK    SC             1312.5*       PF 1       206224.30      571.30      759.88                  759.88     0.000000
 0.13   1927452.00     15202.42            0.00
SQUAW CREEK    SC             1312.*        PF 1       206224.30      571.30      759.88                  759.88     0.000000
 0.13   1927632.00     15203.93            0.00
SQUAW CREEK    SC             1311.5*       PF 1       206224.30      571.29      759.88                  759.88     0.000000
 0.13   1927824.00     15205.44            0.00
SQUAW CREEK    SC             1311.*        PF 1       206224.30      571.29      759.88                  759.88     0.000000
 0.13   1928017.00     15206.95            0.00
SQUAW CREEK    SC             1310.5*       PF 1       206224.30      571.29      759.88                  759.88     0.000000
 0.13   1928210.00     15208.46            0.00
SQUAW CREEK    SC             1310.*        PF 1       206224.30      571.29      759.88                  759.88     0.000000
 0.13   1928385.00     15209.97            0.00
SQUAW CREEK    SC             1309.5*       PF 1       206224.30      571.29      759.88                  759.88     0.000000
 0.13   1928573.00     15211.48            0.00
SQUAW CREEK    SC             1309.*        PF 1       206224.30      571.29      759.88                  759.88     0.000000
 0.13   1928755.00     15212.99            0.00
SQUAW CREEK    SC             1308.5*       PF 1       206224.30      571.29      759.88                  759.88     0.000000
 0.13   1928956.00     15214.50            0.00
SQUAW CREEK    SC             1308.*        PF 1       206224.30      571.28      759.88                  759.88     0.000000
 0.13   1929127.00     15216.01            0.00
SQUAW CREEK    SC             1307.5*       PF 1       206224.30      571.28      759.88                  759.88     0.000000
 0.13   1929324.00     15217.52            0.00
SQUAW CREEK    SC             1307.*        PF 1       206224.30      571.28      759.88                  759.88     0.000000
 0.13   1929507.00     15219.03            0.00
SQUAW CREEK    SC             1306.5*       PF 1       206224.30      571.28      759.88                  759.88     0.000000
 0.13   1929699.00     15220.54            0.00
SQUAW CREEK    SC             1306.*        PF 1       206224.30      571.28      759.88                  759.88     0.000000
 0.13   1929868.00     15222.05            0.00
SQUAW CREEK    SC             1305.5*       PF 1       206224.30      571.28      759.88                  759.88     0.000000
 0.13   1930064.00     15223.57            0.00
SQUAW CREEK    SC             1305.*        PF 1       206224.30      571.27      759.88                  759.88     0.000000
 0.13   1930250.00     15225.08            0.00
SQUAW CREEK    SC             1304.5*       PF 1       206224.30      571.27      759.88                  759.88     0.000000
 0.13   1930445.00     15226.59            0.00
SQUAW CREEK    SC             1304.*        PF 1       206224.30      571.27      759.88                  759.88     0.000000
 0.13   1930617.00     15228.10            0.00
SQUAW CREEK    SC             1303.5*       PF 1       206224.30      571.27      759.88                  759.88     0.000000
 0.13   1930810.00     15229.61            0.00
SQUAW CREEK    SC             1303.*        PF 1       206224.30      571.27      759.88                  759.88     0.000000
 0.13   1930996.00     15231.12            0.00
SQUAW CREEK    SC             1302.5*       PF 1       206224.30      571.27      759.88                  759.88     0.000000
 0.13   1931178.00     15232.63            0.00
SQUAW CREEK    SC             1302.*        PF 1       206224.30      571.27      759.88                  759.88     0.000000
 0.13   1931379.00     15234.14            0.00
SQUAW CREEK    SC             1301.5*       PF 1       206224.30      571.26      759.88                  759.88     0.000000
 0.13   1931558.00     15235.65            0.00
SQUAW CREEK    SC             1301.*        PF 1       206224.30      571.26      759.88                  759.88     0.000000
 0.13   1931746.00     15237.16            0.00
SQUAW CREEK    SC             1300.5*       PF 1       206224.30      571.26      759.88                  759.88     0.000000
 0.13   1931933.00     15238.67            0.00
SQUAW CREEK    SC             1300.*        PF 1       206224.30      571.26      759.88                  759.88     0.000000
 0.13   1932115.00     15240.18            0.00
SQUAW CREEK    SC             1299.5*       PF 1       206224.30      571.26      759.88                  759.88     0.000000
 0.13   1932297.00     15241.69            0.00
SQUAW CREEK    SC             1299.*        PF 1       206224.30      571.26      759.88                  759.88     0.000000
 0.13   1932496.00     15243.20            0.00
SQUAW CREEK    SC             1298.5*       PF 1       206224.30      571.26      759.88                  759.88     0.000000
 0.13   1932680.00     15244.71            0.00
SQUAW CREEK    SC             1298.*        PF 1       206224.30      571.25      759.88                  759.88     0.000000
 0.13   1932859.00     15246.22            0.00
SQUAW CREEK    SC             1297.5*       PF 1       206224.30      571.25      759.88                  759.88     0.000000
 0.13   1933037.00     15247.73            0.00
SQUAW CREEK    SC             1297.*        PF 1       206224.30      571.25      759.88                  759.88     0.000000
 0.13   1933234.00     15249.25            0.00
SQUAW CREEK    SC             1296.5*       PF 1       206224.30      571.25      759.88                  759.88     0.000000
 0.13   1933422.00     15250.75            0.00
SQUAW CREEK    SC             1296.*        PF 1       206224.30      571.25      759.88                  759.88     0.000000
 0.13   1933608.00     15252.27            0.00
SQUAW CREEK    SC             1295.5*       PF 1       206224.30      571.25      759.88                  759.88     0.000000
 0.13   1933788.00     15253.78            0.00
SQUAW CREEK    SC             1295.*        PF 1       206224.30      571.24      759.88                  759.88     0.000000
 0.13   1933981.00     15255.29            0.00
SQUAW CREEK    SC             1294.5*       PF 1       206224.30      571.24      759.88                  759.88     0.000000
 0.13   1934177.00     15256.80            0.00
SQUAW CREEK    SC             1294.*        PF 1       206224.30      571.24      759.88                  759.88     0.000000
 0.13   1934351.00     15258.31            0.00
SQUAW CREEK    SC             1293.5*       PF 1       206224.30      571.24      759.88                  759.88     0.000000
 0.13   1934541.00     15259.82            0.00
SQUAW CREEK    SC             1293.*        PF 1       206224.30      571.24      759.88                  759.88     0.000000
 0.13   1934718.00     15261.33            0.00
SQUAW CREEK    SC             1292.5*       PF 1       206224.30      571.24      759.88                  759.88     0.000000
 0.13   1934919.00     15262.84            0.00
SQUAW CREEK    SC             1292.*        PF 1       206224.30      571.24      759.88                  759.88     0.000000
 0.13   1935091.00     15264.35            0.00
SQUAW CREEK    SC             1291.5*       PF 1       206224.30      571.23      759.88                  759.88     0.000000
 0.13   1935281.00     15265.86            0.00
SQUAW CREEK    SC             1291.*        PF 1       206224.30      571.23      759.88                  759.88     0.000000
 0.13   1935468.00     15267.37            0.00
SQUAW CREEK    SC             1290.5*       PF 1       206224.30      571.23      759.88                  759.88     0.000000
 0.13   1935664.00     15268.88            0.00
SQUAW CREEK    SC             1290.*        PF 1       206224.30      571.23      759.88                  759.88     0.000000
 0.13   1935835.00     15270.39            0.00
SQUAW CREEK    SC             1289.5*       PF 1       206224.30      571.23      759.88                  759.88     0.000000
 0.13   1936036.00     15271.90            0.00
SQUAW CREEK    SC             1289.*        PF 1       206224.30      571.23      759.88                  759.88     0.000000
 0.13   1936213.00     15273.41            0.00
SQUAW CREEK    SC             1288.5*       PF 1       206224.30      571.23      759.88                  759.88     0.000000
 0.13   1936404.00     15274.92            0.00
SQUAW CREEK    SC             1288.*        PF 1       206224.30      571.22      759.88                  759.88     0.000000
 0.13   1936580.00     15276.43            0.00
SQUAW CREEK    SC             1287.5*       PF 1       206224.30      571.22      759.88                  759.88     0.000000
 0.13   1936772.00     15277.95            0.00
SQUAW CREEK    SC             1287.*        PF 1       206224.30      571.22      759.88                  759.88     0.000000
 0.13   1936953.00     15279.46            0.00
SQUAW CREEK    SC             1286.5*       PF 1       206224.30      571.22      759.88                  759.88     0.000000
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 0.13   1937151.00     15280.97            0.00
SQUAW CREEK     SC             1286.*        PF 1       206224.30       571.22       759.88                    759.88      0.000000
 0.13   1937327.00     15282.48            0.00
SQUAW CREEK     SC             1285.5*       PF 1       206224.30       571.22       759.88                    759.88      0.000000
 0.13   1937514.00     15283.99            0.00
SQUAW CREEK     SC             1285.*        PF 1       206224.30       571.21       759.88                    759.88      0.000000
 0.13   1937711.00     15285.50            0.00
SQUAW CREEK     SC             1284.5*       PF 1       206224.30       571.21       759.88                    759.88      0.000000
 0.13   1937874.00     15287.01            0.00
SQUAW CREEK     SC             1284.*        PF 1       206224.30       571.21       759.88                    759.88      0.000000
 0.13   1938065.00     15288.52            0.00
SQUAW CREEK     SC             1283.5*       PF 1       206224.30       571.21       759.88                    759.88      0.000000
 0.13   1938246.00     15290.03            0.00
SQUAW CREEK     SC             1283.*        PF 1       206224.30       571.21       759.88                    759.88      0.000000
 0.13   1938453.00     15291.54            0.00
SQUAW CREEK     SC             1282.5*       PF 1       206224.30       571.21       759.88                    759.88      0.000000
 0.13   1938629.00     15293.05            0.00
SQUAW CREEK     SC             1282.*        PF 1       206224.30       571.21       759.88                    759.88      0.000000
 0.13   1938820.00     15294.56            0.00
SQUAW CREEK     SC             1281.5*       PF 1       206224.30       571.20       759.88                    759.88      0.000000
 0.13   1938996.00     15296.07            0.00
SQUAW CREEK     SC             1281.*        PF 1       206224.30       571.20       759.88                    759.88      0.000000
 0.13   1939189.00     15297.58            0.00
SQUAW CREEK     SC             1280.5*       PF 1       206224.30       571.20       759.88                    759.88      0.000000
 0.13   1939358.00     15299.09            0.00
SQUAW CREEK     SC             1280.*        PF 1       206224.30       571.20       759.88                    759.88      0.000000
 0.13   1939555.00     15300.60            0.00
SQUAW CREEK     SC             1279.5*       PF 1       206224.30       571.20       759.88                    759.88      0.000000
 0.13   1939733.00     15302.12            0.00
SQUAW CREEK     SC             1279.*        PF 1       206224.30       571.20       759.88                    759.88      0.000000
 0.13   1939930.00     15303.62            0.00
SQUAW CREEK     SC             1278.5*       PF 1       206224.30       571.19       759.88                    759.88      0.000000
 0.13   1940124.00     15305.14            0.00
SQUAW CREEK     SC             1278.*        PF 1       206224.30       571.19       759.88                    759.88      0.000000
 0.13   1940301.00     15306.65            0.00
SQUAW CREEK     SC             1277.5*       PF 1       206224.30       571.19       759.88                    759.88      0.000000
 0.13   1940493.00     15308.16            0.00
SQUAW CREEK     SC             1277.*        PF 1       206224.30       571.19       759.88                    759.88      0.000000
 0.13   1940674.00     15309.67            0.00
SQUAW CREEK     SC             1276.5*       PF 1       206224.30       571.19       759.88                    759.88      0.000000
 0.13   1940853.00     15311.18            0.00
SQUAW CREEK     SC             1276.*        PF 1       206224.30       571.19       759.88                    759.88      0.000000
 0.13   1941038.00     15312.69            0.00
SQUAW CREEK     SC             1275.5*       PF 1       206224.30       571.19       759.88                    759.88      0.000000
 0.13   1941233.00     15314.20            0.00
SQUAW CREEK     SC             1275.*        PF 1       206224.30       571.18       759.88                    759.88      0.000000
 0.13   1941414.00     15315.71            0.00
SQUAW CREEK     SC             1274.5*       PF 1       206224.30       571.18       759.88                    759.88      0.000000
 0.13   1941599.00     15317.22            0.00
SQUAW CREEK     SC             1274.*        PF 1       206224.30       571.18       759.88                    759.88      0.000000
 0.13   1941786.00     15318.73            0.00
SQUAW CREEK     SC             1273.5*       PF 1       206224.30       571.18       759.88                    759.88      0.000000
 0.13   1941978.00     15320.24            0.00
SQUAW CREEK     SC             1273.*        PF 1       206224.30       571.18       759.88                    759.88      0.000000
 0.13   1942155.00     15321.75            0.00
SQUAW CREEK     SC             1272.5*       PF 1       206224.30       571.18       759.88                    759.88      0.000000
 0.13   1942341.00     15323.26            0.00
SQUAW CREEK     SC             1272.*        PF 1       206224.30       571.18       759.88                    759.88      0.000000
 0.13   1942524.00     15324.77            0.00
SQUAW CREEK     SC             1271.5*       PF 1       206224.30       571.17       759.88                    759.88      0.000000
 0.13   1942716.00     15326.28            0.00
SQUAW CREEK     SC             1271.*        PF 1       206224.30       571.17       759.88                    759.88      0.000000
 0.13   1942901.00     15327.79            0.00
SQUAW CREEK     SC             1270.5*       PF 1       206224.30       571.17       759.88                    759.88      0.000000
 0.13   1943086.00     15329.30            0.00
SQUAW CREEK     SC             1270.*        PF 1       206224.30       571.17       759.88                    759.88      0.000000
 0.13   1943271.00     15330.82            0.00
SQUAW CREEK     SC             1269.5*       PF 1       206224.30       571.17       759.88                    759.88      0.000000
 0.13   1943453.00     15332.33            0.00
SQUAW CREEK     SC             1269.*        PF 1       206224.30       571.17       759.88                    759.88      0.000000
 0.13   1943648.00     15333.84            0.00
SQUAW CREEK     SC             1268.5*       PF 1       206224.30       571.16       759.88                    759.88      0.000000
 0.13   1943821.00     15335.35            0.00
SQUAW CREEK     SC             1268.*        PF 1       206224.30       571.16       759.88                    759.88      0.000000
 0.13   1944009.00     15336.86            0.00
SQUAW CREEK     SC             1267.5*       PF 1       206224.30       571.16       759.88                    759.88      0.000000
 0.13   1944203.00     15338.37            0.00
SQUAW CREEK     SC             1267.*        PF 1       206224.30       571.16       759.88                    759.88      0.000000
 0.13   1944389.00     15339.88            0.00
SQUAW CREEK     SC             1266.5*       PF 1       206224.30       571.16       759.88                    759.88      0.000000
 0.13   1944565.00     15341.39            0.00
SQUAW CREEK     SC             1266.*        PF 1       206224.30       571.16       759.88                    759.88      0.000000
 0.13   1944756.00     15342.90            0.00
SQUAW CREEK     SC             1265.5*       PF 1       206224.30       571.16       759.88                    759.88      0.000000
 0.13   1944934.00     15344.41            0.00
SQUAW CREEK     SC             1265.*        PF 1       206224.30       571.15       759.88                    759.88      0.000000
 0.13   1945127.00     15345.92            0.00
SQUAW CREEK     SC             1264.5*       PF 1       206224.30       571.15       759.88                    759.88      0.000000
 0.13   1945312.00     15347.43            0.00
SQUAW CREEK     SC             1264.*        PF 1       206224.30       571.15       759.88                    759.88      0.000000
 0.13   1945498.00     15348.94            0.00
SQUAW CREEK     SC             1263.5*       PF 1       206224.30       571.15       759.88                    759.88      0.000000
 0.13   1945681.00     15350.45            0.00
SQUAW CREEK     SC             1263.*        PF 1       206224.30       571.15       759.88                    759.88      0.000000
 0.13   1945870.00     15351.96            0.00
SQUAW CREEK     SC             1262.5*       PF 1       206224.30       571.15       759.88                    759.88      0.000000
 0.13   1946047.00     15353.47            0.00
SQUAW CREEK     SC             1262.*        PF 1       206224.30       571.15       759.88                    759.88      0.000000
 0.13   1946233.00     15354.99            0.00
SQUAW CREEK     SC             1261.5*       PF 1       206224.30       571.14       759.88                    759.88      0.000000
 0.13   1946429.00     15356.50            0.00
SQUAW CREEK     SC             1261.*        PF 1       206224.30       571.14       759.88                    759.88      0.000000
 0.13   1946614.00     15358.01            0.00
SQUAW CREEK     SC             1260.5*       PF 1       206224.30       571.14       759.88                    759.88      0.000000
 0.13   1946794.00     15359.52            0.00
SQUAW CREEK     SC             1260.*        PF 1       206224.30       571.14       759.88                    759.88      0.000000
 0.13   1946970.00     15361.03            0.00
SQUAW CREEK     SC             1259.5*       PF 1       206224.30       571.14       759.88                    759.88      0.000000
 0.13   1947168.00     15362.54            0.00
SQUAW CREEK     SC             1259.*        PF 1       206224.30       571.14       759.88                    759.88      0.000000
 0.13   1947345.00     15364.05            0.00
SQUAW CREEK     SC             1258.5*       PF 1       206224.30       571.13       759.88                    759.88      0.000000
 0.13   1947529.00     15365.56            0.00
SQUAW CREEK     SC             1258.*        PF 1       206224.30       571.13       759.88                    759.88      0.000000
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 0.13   1947718.00     15367.07            0.00
SQUAW CREEK     SC             1257.5*       PF 1       206224.30       571.13       759.88                    759.88      0.000000
 0.13   1947908.00     15368.58            0.00
SQUAW CREEK     SC             1257.*        PF 1       206224.30       571.13       759.88                    759.88      0.000000
 0.13   1948086.00     15370.09            0.00
SQUAW CREEK     SC             1256.5*       PF 1       206224.30       571.13       759.88                    759.88      0.000000
 0.13   1948277.00     15371.60            0.00
SQUAW CREEK     SC             1256.*        PF 1       206224.30       571.13       759.88                    759.88      0.000000
 0.13   1948457.00     15373.11            0.00
SQUAW CREEK     SC             1255.5*       PF 1       206224.30       571.13       759.88                    759.88      0.000000
 0.13   1948646.00     15374.62            0.00
SQUAW CREEK     SC             1255.*        PF 1       206224.30       571.12       759.88                    759.88      0.000000
 0.13   1948834.00     15376.13            0.00
SQUAW CREEK     SC             1254.5*       PF 1       206224.30       571.12       759.88                    759.88      0.000000
 0.13   1949019.00     15377.64            0.00
SQUAW CREEK     SC             1254.*        PF 1       206224.30       571.12       759.88                    759.88      0.000000
 0.13   1949206.00     15379.15            0.00
SQUAW CREEK     SC             1253.5*       PF 1       206224.30       571.12       759.88                    759.88      0.000000
 0.13   1949386.00     15380.67            0.00
SQUAW CREEK     SC             1253.*        PF 1       206224.30       571.12       759.88                    759.88      0.000000
 0.13   1949573.00     15382.17            0.00
SQUAW CREEK     SC             1252.5*       PF 1       206224.30       571.12       759.88                    759.88      0.000000
 0.13   1949747.00     15383.69            0.00
SQUAW CREEK     SC             1252.*        PF 1       206224.30       571.11       759.88                    759.88      0.000000
 0.13   1949942.00     15385.20            0.00
SQUAW CREEK     SC             1251.5*       PF 1       206224.30       571.11       759.88                    759.88      0.000000
 0.13   1950130.00     15386.71            0.00
SQUAW CREEK     SC             1251.*        PF 1       206224.30       571.11       759.88                    759.88      0.000000
 0.13   1950315.00     15388.22            0.00
SQUAW CREEK     SC             1250.5*       PF 1       206224.30       571.11       759.88                    759.88      0.000000
 0.13   1950494.00     15389.73            0.00
SQUAW CREEK     SC             1250.*        PF 1       206224.30       571.11       759.88                    759.88      0.000000
 0.13   1950685.00     15391.24            0.00
SQUAW CREEK     SC             1249.5*       PF 1       206224.30       571.11       759.88                    759.88      0.000000
 0.13   1950860.00     15392.75            0.00
SQUAW CREEK     SC             1249.*        PF 1       206224.30       571.11       759.88                    759.88      0.000000
 0.13   1951049.00     15394.26            0.00
SQUAW CREEK     SC             1248.5*       PF 1       206224.30       571.10       759.88                    759.88      0.000000
 0.13   1951228.00     15395.77            0.00
SQUAW CREEK     SC             1248.*        PF 1       206224.30       571.10       759.88                    759.88      0.000000
 0.13   1951418.00     15397.28            0.00
SQUAW CREEK     SC             1247.5*       PF 1       206224.30       571.10       759.88                    759.88      0.000000
 0.13   1951610.00     15398.79            0.00
SQUAW CREEK     SC             1247.*        PF 1       206224.30       571.10       759.88                    759.88      0.000000
 0.13   1951797.00     15400.30            0.00
SQUAW CREEK     SC             1246.5*       PF 1       206224.30       571.10       759.88                    759.88      0.000000
 0.13   1951967.00     15401.81            0.00
SQUAW CREEK     SC             1246.*        PF 1       206224.30       571.10       759.88                    759.88      0.000000
 0.13   1952154.00     15403.32            0.00
SQUAW CREEK     SC             1245.5*       PF 1       206224.30       571.10       759.88                    759.88      0.000000
 0.13   1952352.00     15404.83            0.00
SQUAW CREEK     SC             1245.*        PF 1       206224.30       571.09       759.88                    759.88      0.000000
 0.13   1952536.00     15406.34            0.00
SQUAW CREEK     SC             1244.5*       PF 1       206224.30       571.09       759.88                    759.88      0.000000
 0.13   1952713.00     15407.86            0.00
SQUAW CREEK     SC             1244.*        PF 1       206224.30       571.09       759.88                    759.88      0.000000
 0.13   1952895.00     15409.37            0.00
SQUAW CREEK     SC             1243.5*       PF 1       206224.30       571.09       759.88                    759.88      0.000000
 0.13   1953080.00     15410.88            0.00
SQUAW CREEK     SC             1243.*        PF 1       206224.30       571.09       759.88                    759.88      0.000000
 0.13   1953268.00     15412.39            0.00
SQUAW CREEK     SC             1242.5*       PF 1       206224.30       571.09       759.88                    759.88      0.000000
 0.13   1953458.00     15413.90            0.00
SQUAW CREEK     SC             1242.*        PF 1       206224.30       571.08       759.88                    759.88      0.000000
 0.13   1953634.00     15415.41            0.00
SQUAW CREEK     SC             1241.5*       PF 1       206224.30       571.08       759.88                    759.88      0.000000
 0.13   1953822.00     15416.92            0.00
SQUAW CREEK     SC             1241.*        PF 1       206224.30       571.08       759.88                    759.88      0.000000
 0.13   1954003.00     15418.43            0.00
SQUAW CREEK     SC             1240.5*       PF 1       206224.30       571.08       759.88                    759.88      0.000000
 0.13   1954185.00     15419.94            0.00
SQUAW CREEK     SC             1240.*        PF 1       206224.30       571.08       759.88                    759.88      0.000000
 0.13   1954366.00     15421.45            0.00
SQUAW CREEK     SC             1239.5*       PF 1       206224.30       571.08       759.88                    759.88      0.000000
 0.13   1954573.00     15422.96            0.00
SQUAW CREEK     SC             1239.*        PF 1       206224.30       571.08       759.88                    759.88      0.000000
 0.13   1954748.00     15424.47            0.00
SQUAW CREEK     SC             1238.5*       PF 1       206224.30       571.07       759.88                    759.88      0.000000
 0.13   1954934.00     15425.98            0.00
SQUAW CREEK     SC             1238.*        PF 1       206224.30       571.07       759.88                    759.88      0.000000
 0.13   1955124.00     15427.49            0.00
SQUAW CREEK     SC             1237.5*       PF 1       206224.30       571.07       759.88                    759.88      0.000000
 0.13   1955298.00     15429.00            0.00
SQUAW CREEK     SC             1237.*        PF 1       206224.30       571.07       759.88                    759.88      0.000000
 0.13   1955485.00     15430.51            0.00
SQUAW CREEK     SC             1236.5*       PF 1       206224.30       571.07       759.88                    759.88      0.000000
 0.13   1955665.00     15432.02            0.00
SQUAW CREEK     SC             1236.*        PF 1       206224.30       571.07       759.88                    759.88      0.000000
 0.13   1955862.00     15433.54            0.00
SQUAW CREEK     SC             1235.5*       PF 1       206224.30       571.06       759.88                    759.88      0.000000
 0.13   1956037.00     15435.04            0.00
SQUAW CREEK     SC             1235.*        PF 1       206224.30       571.06       759.88                    759.88      0.000000
 0.13   1956230.00     15436.56            0.00
SQUAW CREEK     SC             1234.5*       PF 1       206224.30       571.06       759.88                    759.88      0.000000
 0.13   1956398.00     15438.07            0.00
SQUAW CREEK     SC             1234.*        PF 1       206224.30       571.06       759.88                    759.88      0.000000
 0.13   1956585.00     15439.58            0.00
SQUAW CREEK     SC             1233.5*       PF 1       206224.30       571.06       759.88                    759.88      0.000000
 0.13   1956778.00     15441.09            0.00
SQUAW CREEK     SC             1233.*        PF 1       206224.30       571.06       759.88                    759.88      0.000000
 0.13   1956969.00     15442.60            0.00
SQUAW CREEK     SC             1232.5*       PF 1       206224.30       571.06       759.88                    759.88      0.000000
 0.13   1957138.00     15444.11            0.00
SQUAW CREEK     SC             1232.*        PF 1       206224.30       571.05       759.88                    759.88      0.000000
 0.13   1957329.00     15445.62            0.00
SQUAW CREEK     SC             1231.5*       PF 1       206224.30       571.05       759.88                    759.88      0.000000
 0.13   1957521.00     15447.13            0.00
SQUAW CREEK     SC             1231.*        PF 1       206224.30       571.05       759.88                    759.88      0.000000
 0.13   1957704.00     15448.64            0.00
SQUAW CREEK     SC             1230.5*       PF 1       206224.30       571.05       759.88                    759.88      0.000000
 0.13   1957874.00     15450.15            0.00
SQUAW CREEK     SC             1230.*        PF 1       206224.30       571.05       759.88                    759.88      0.000000
 0.13   1958070.00     15451.66            0.00
SQUAW CREEK     SC             1229.5*       PF 1       206224.30       571.05       759.88                    759.88      0.000000
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 0.13   1958257.00    15453.17          0.00
SQUAW CREEK    SC            1229.*       PF 1      206224.30      571.05      759.88                759.88     0.000000
 0.13   1958437.00    15454.68          0.00
SQUAW CREEK    SC            1228.5*      PF 1      206224.30      571.04      759.88                759.88     0.000000
 0.13   1958626.00    15456.19          0.00
SQUAW CREEK    SC            1228.*       PF 1      206224.30      571.04      759.88                759.88     0.000000
 0.13   1958809.00    15457.70          0.00
SQUAW CREEK    SC            1227.5*      PF 1      206224.30      571.04      759.88                759.88     0.000000
 0.13   1958992.00    15459.21          0.00
SQUAW CREEK    SC            1227.*       PF 1      206224.30      571.04      759.88                759.88     0.000000
 0.13   1959178.00    15460.72          0.00
SQUAW CREEK    SC            1226.5*      PF 1      206224.30      571.04      759.88                759.88     0.000000
 0.13   1959361.00    15462.24          0.00
SQUAW CREEK    SC            1226.*       PF 1      206224.30      571.04      759.88                759.88     0.000000
 0.13   1959538.00    15463.75          0.00
SQUAW CREEK    SC            1225.5*      PF 1      206224.30      571.03      759.88                759.88     0.000000
 0.13   1959728.00    15465.26          0.00
SQUAW CREEK    SC            1225.*       PF 1      206224.30      571.03      759.88                759.88     0.000000
 0.13   1959911.00    15466.77          0.00
SQUAW CREEK    SC            1224.5*      PF 1      206224.30      571.03      759.88                759.88     0.000000
 0.13   1960092.00    15468.28          0.00
SQUAW CREEK    SC            1224.*       PF 1      206224.30      571.03      759.88                759.88     0.000000
 0.13   1960272.00    15469.79          0.00
SQUAW CREEK    SC            1223.5*      PF 1      206224.30      571.03      759.88                759.88     0.000000
 0.13   1960465.00    15471.30          0.00
SQUAW CREEK    SC            1223.*       PF 1      206224.30      571.03      759.88                759.88     0.000000
 0.13   1960641.00    15472.81          0.00
SQUAW CREEK    SC            1222.5*      PF 1      206224.30      571.03      759.88                759.88     0.000000
 0.13   1960835.00    15474.32          0.00
SQUAW CREEK    SC            1222.*       PF 1      206224.30      571.02      759.88                759.88     0.000000
 0.13   1961026.00    15475.83          0.00
SQUAW CREEK    SC            1221.5*      PF 1      206224.30      571.02      759.88                759.88     0.000000
 0.13   1961203.00    15477.34          0.00
SQUAW CREEK    SC            1221.*       PF 1      206224.30      571.02      759.88                759.88     0.000000
 0.13   1961390.00    15478.85          0.00
SQUAW CREEK    SC            1220.5*      PF 1      206224.30      571.02      759.88                759.88     0.000000
 0.13   1961571.00    15480.36          0.00
SQUAW CREEK    SC            1220.*       PF 1      206224.30      571.02      759.88                759.88     0.000000
 0.13   1961759.00    15481.87          0.00
SQUAW CREEK    SC            1219.5*      PF 1      206224.30      571.02      759.88                759.88     0.000000
 0.13   1961937.00    15483.38          0.00
SQUAW CREEK    SC            1219.*       PF 1      206224.30      571.02      759.88                759.88     0.000000
 0.13   1962127.00    15484.89          0.00
SQUAW CREEK    SC            1218.5*      PF 1      206224.30      571.01      759.88                759.88     0.000000
 0.13   1962302.00    15486.41          0.00
SQUAW CREEK    SC            1218.*       PF 1      206224.30      571.01      759.88                759.88     0.000000
 0.13   1962489.00    15487.92          0.00
SQUAW CREEK    SC            1217.5*      PF 1      206224.30      571.01      759.88                759.88     0.000000
 0.13   1962674.00    15489.43          0.00
SQUAW CREEK    SC            1217.*       PF 1      206224.30      571.01      759.88                759.88     0.000000
 0.13   1962863.00    15490.94          0.00
SQUAW CREEK    SC            1216.5*      PF 1      206224.30      571.01      759.88                759.88     0.000000
 0.13   1963032.00    15492.45          0.00
SQUAW CREEK    SC            1216.*       PF 1      206224.30      571.01      759.88                759.88     0.000000
 0.13   1963225.00    15493.96          0.00
SQUAW CREEK    SC            1215.5*      PF 1      206224.30      571.00      759.88                759.88     0.000000
 0.13   1963408.00    15495.47          0.00
SQUAW CREEK    SC            1215.*       PF 1      206224.30      571.00      759.88                759.88     0.000000
 0.13   1963599.00    15496.98          0.00
SQUAW CREEK    SC            1214.5*      PF 1      206224.30      571.00      759.88                759.88     0.000000
 0.13   1963764.00    15498.49          0.00
SQUAW CREEK    SC            1214         PF 1      206224.30      571.00      759.88                759.88     0.000000
 0.13   1963961.00    15500.00          0.00
SQUAW CREEK    SC            1211.05*     PF 1      206224.30      570.94      759.88                759.88     0.000000
 0.13   1963979.00    15500.00          0.00
SQUAW CREEK    SC            1208.11*     PF 1      206224.30      570.88      759.88                759.88     0.000000
 0.13   1963997.00    15500.00          0.00
SQUAW CREEK    SC            1205.17*     PF 1      206224.30      570.82      759.88                759.88     0.000000
 0.13   1964015.00    15500.00          0.00
SQUAW CREEK    SC            1202.23*     PF 1      206224.30      570.76      759.88                759.88     0.000000
 0.13   1964033.00    15500.00          0.00
SQUAW CREEK    SC            1199.29*     PF 1      206224.30      570.71      759.88                759.88     0.000000
 0.13   1964048.00    15500.00          0.00
SQUAW CREEK    SC            1196.35*     PF 1      206224.30      570.65      759.88                759.88     0.000000
 0.13   1964066.00    15500.00          0.00
SQUAW CREEK    SC            1193.41*     PF 1      206224.30      570.59      759.88                759.88     0.000000
 0.13   1964084.00    15500.00          0.00
SQUAW CREEK    SC            1190.47*     PF 1      206224.30      570.53      759.88                759.88     0.000000
 0.13   1964102.00    15500.00          0.00
SQUAW CREEK    SC            1187.52*     PF 1      206224.30      570.47      759.88                759.88     0.000000
 0.13   1964120.00    15500.00          0.00
SQUAW CREEK    SC            1184.58*     PF 1      206224.30      570.41      759.88                759.88     0.000000
 0.13   1964138.00    15500.00          0.00
SQUAW CREEK    SC            1181.64*     PF 1      206224.30      570.35      759.88                759.88     0.000000
 0.13   1964156.00    15500.00          0.00
SQUAW CREEK    SC            1178.70*     PF 1      206224.30      570.29      759.88                759.88     0.000000
 0.13   1964174.00    15500.00          0.00
SQUAW CREEK    SC            1175.76*     PF 1      206224.30      570.24      759.88                759.88     0.000000
 0.13   1964189.00    15500.00          0.00
SQUAW CREEK    SC            1172.82*     PF 1      206224.30      570.18      759.88                759.88     0.000000
 0.13   1964207.00    15500.00          0.00
SQUAW CREEK    SC            1169.88*     PF 1      206224.30      570.12      759.88                759.88     0.000000
 0.13   1964225.00    15500.00          0.00
SQUAW CREEK    SC            1166.94*     PF 1      206224.30      570.06      759.88                759.88     0.000000
 0.13   1964243.00    15500.00          0.00
SQUAW CREEK    SC            1164         PF 1      243791.70      570.00      759.88                759.88     0.000000
 0.15   1964260.00    15500.00          0.00
PALUXY         PALUXY RIVER   25092       PF 1      944490.80      612.00      760.87                760.95     0.000109
 2.80    431967.50     4400.00          0.04
PALUXY         PALUXY RIVER   22745       PF 1      944490.80      608.00      760.62                760.69     0.000109
 2.79    437241.60     4600.00          0.04
PALUXY         PALUXY RIVER   22735.0*    PF 1      944490.80      607.98      760.62                760.69     0.000109
 2.79    437386.20     4603.53          0.04
PALUXY         PALUXY RIVER   22725.0*    PF 1      944490.80      607.96      760.62                760.69     0.000109
 2.80    437537.00     4607.06          0.04
PALUXY         PALUXY RIVER   22715.0*    PF 1      944490.80      607.95      760.61                760.69     0.000109
 2.80    437676.60     4610.59          0.04
PALUXY         PALUXY RIVER   22705.0*    PF 1      944490.80      607.93      760.61                760.69     0.000109
 2.80    437825.60     4614.12          0.04
PALUXY         PALUXY RIVER   22695.0*    PF 1      944490.80      607.91      760.61                760.69     0.000109
 2.80    437968.30     4617.65          0.04
PALUXY         PALUXY RIVER   22685.0*    PF 1      944490.80      607.89      760.61                760.69     0.000109
 2.80    438124.10     4621.18          0.04
PALUXY         PALUXY RIVER   22675.0*    PF 1      944490.80      607.88      760.61                760.69     0.000109
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 2.80    438266.50     4624.71           0.04
PALUXY          PALUXY RIVER   22665.0*      PF 1       944490.80      607.86      760.61                  760.68      0.000109
 2.80    438421.20     4628.24           0.04
PALUXY          PALUXY RIVER   22655.1*      PF 1       944490.80      607.84      760.61                  760.68      0.000109
 2.80    438574.00     4631.76           0.04
PALUXY          PALUXY RIVER   22645.1*      PF 1       944490.80      607.82      760.61                  760.68      0.000109
 2.80    438728.30     4635.29           0.04
PALUXY          PALUXY RIVER   22635.1*      PF 1       944490.80      607.81      760.61                  760.68      0.000109
 2.80    438878.60     4638.82           0.04
PALUXY          PALUXY RIVER   22625.1*      PF 1       944490.80      607.79      760.61                  760.68      0.000109
 2.80    439040.30     4642.35           0.04
PALUXY          PALUXY RIVER   22615.1*      PF 1       944490.80      607.77      760.60                  760.68      0.000109
 2.80    439190.30     4645.88           0.04
PALUXY          PALUXY RIVER   22605.1*      PF 1       944490.80      607.75      760.60                  760.68      0.000109
 2.80    439351.10     4649.41           0.04
PALUXY          PALUXY RIVER   22595.1*      PF 1       944490.80      607.74      760.60                  760.68      0.000109
 2.80    439505.60     4652.94           0.04
PALUXY          PALUXY RIVER   22585.1*      PF 1       944490.80      607.72      760.60                  760.68      0.000109
 2.79    439667.90     4656.47           0.04
PALUXY          PALUXY RIVER   22575.2*      PF 1       944490.80      607.70      760.60                  760.67      0.000109
 2.79    439825.80     4660.00           0.04
PALUXY          PALUXY RIVER   22565.2*      PF 1       944490.80      607.68      760.60                  760.67      0.000108
 2.79    439984.20     4663.53           0.04
PALUXY          PALUXY RIVER   22555.2*      PF 1       944490.80      607.66      760.60                  760.67      0.000108
 2.79    440152.70     4667.06           0.04
PALUXY          PALUXY RIVER   22545.2*      PF 1       944490.80      607.65      760.60                  760.67      0.000108
 2.79    440313.30     4670.59           0.04
PALUXY          PALUXY RIVER   22535.2*      PF 1       944490.80      607.63      760.60                  760.67      0.000108
 2.79    440480.30     4674.12           0.04
PALUXY          PALUXY RIVER   22525.2*      PF 1       944490.80      607.61      760.59                  760.67      0.000108
 2.79    440643.90     4677.65           0.04
PALUXY          PALUXY RIVER   22515.2*      PF 1       944490.80      607.59      760.59                  760.67      0.000108
 2.79    440812.80     4681.18           0.04
PALUXY          PALUXY RIVER   22505.2*      PF 1       944490.80      607.58      760.59                  760.67      0.000108
 2.79    440977.40     4684.71           0.04
PALUXY          PALUXY RIVER   22495.2*      PF 1       944490.80      607.56      760.59                  760.67      0.000108
 2.79    441148.40     4688.24           0.04
PALUXY          PALUXY RIVER   22485.3*      PF 1       944490.80      607.54      760.59                  760.66      0.000108
 2.79    441318.90     4691.76           0.04
PALUXY          PALUXY RIVER   22475.3*      PF 1       944490.80      607.52      760.59                  760.66      0.000108
 2.79    441488.50     4695.29           0.04
PALUXY          PALUXY RIVER   22465.3*      PF 1       944490.80      607.51      760.59                  760.66      0.000108
 2.79    441662.60     4698.82           0.04
PALUXY          PALUXY RIVER   22455.3*      PF 1       944490.80      607.49      760.59                  760.66      0.000108
 2.79    441830.40     4702.35           0.04
PALUXY          PALUXY RIVER   22445.3*      PF 1       944490.80      607.47      760.59                  760.66      0.000108
 2.79    442006.70     4705.88           0.04
PALUXY          PALUXY RIVER   22435.3*      PF 1       944490.80      607.45      760.59                  760.66      0.000108
 2.79    442182.60     4709.41           0.04
PALUXY          PALUXY RIVER   22425.3*      PF 1       944490.80      607.44      760.58                  760.66      0.000108
 2.79    442353.10     4712.94           0.04
PALUXY          PALUXY RIVER   22415.3*      PF 1       944490.80      607.42      760.58                  760.66      0.000108
 2.79    442536.40     4716.47           0.04
PALUXY          PALUXY RIVER   22405.4*      PF 1       944490.80      607.40      760.58                  760.66      0.000108
 2.79    442714.30     4720.00           0.04
PALUXY          PALUXY RIVER   22395.4*      PF 1       944490.80      607.38      760.58                  760.66      0.000108
 2.79    442894.00     4723.53           0.04
PALUXY          PALUXY RIVER   22385.4*      PF 1       944490.80      607.36      760.58                  760.65      0.000107
 2.79    443076.20     4727.06           0.04
PALUXY          PALUXY RIVER   22375.4*      PF 1       944490.80      607.35      760.58                  760.65      0.000107
 2.79    443257.70     4730.59           0.04
PALUXY          PALUXY RIVER   22365.4*      PF 1       944490.80      607.33      760.58                  760.65      0.000107
 2.79    443442.80     4734.12           0.04
PALUXY          PALUXY RIVER   22355.4*      PF 1       944490.80      607.31      760.58                  760.65      0.000107
 2.79    443620.90     4737.65           0.04
PALUXY          PALUXY RIVER   22345.4*      PF 1       944490.80      607.29      760.58                  760.65      0.000107
 2.79    443799.90     4741.18           0.04
PALUXY          PALUXY RIVER   22335.4*      PF 1       944490.80      607.28      760.58                  760.65      0.000107
 2.79    443992.70     4744.71           0.04
PALUXY          PALUXY RIVER   22325.4*      PF 1       944490.80      607.26      760.57                  760.65      0.000107
 2.79    444176.30     4748.24           0.04
PALUXY          PALUXY RIVER   22315.5*      PF 1       944490.80      607.24      760.57                  760.65      0.000107
 2.79    444361.70     4751.76           0.04
PALUXY          PALUXY RIVER   22305.5*      PF 1       944490.80      607.22      760.57                  760.65      0.000107
 2.79    444555.20     4755.29           0.04
PALUXY          PALUXY RIVER   22295.5*      PF 1       944490.80      607.21      760.57                  760.64      0.000107
 2.79    444744.70     4758.82           0.04
PALUXY          PALUXY RIVER   22285.5*      PF 1       944490.80      607.19      760.57                  760.64      0.000107
 2.79    444931.30     4762.35           0.04
PALUXY          PALUXY RIVER   22275.5*      PF 1       944490.80      607.17      760.57                  760.64      0.000107
 2.78    445126.20     4765.88           0.04
PALUXY          PALUXY RIVER   22265.5*      PF 1       944490.80      607.15      760.57                  760.64      0.000107
 2.78    445317.40     4769.41           0.04
PALUXY          PALUXY RIVER   22255.5*      PF 1       944490.80      607.14      760.57                  760.64      0.000107
 2.78    445509.10     4772.94           0.04
PALUXY          PALUXY RIVER   22245.5*      PF 1       944490.80      607.12      760.57                  760.64      0.000107
 2.78    445708.60     4776.47           0.04
PALUXY          PALUXY RIVER   22235.6*      PF 1       944490.80      607.10      760.56                  760.64      0.000106
 2.78    445899.00     4780.00           0.04
PALUXY          PALUXY RIVER   22225.6*      PF 1       944490.80      607.08      760.56                  760.64      0.000106
 2.78    446099.70     4783.53           0.04
PALUXY          PALUXY RIVER   22215.6*      PF 1       944490.80      607.06      760.56                  760.64      0.000106
 2.78    446299.50     4787.06           0.04
PALUXY          PALUXY RIVER   22205.6*      PF 1       944490.80      607.05      760.56                  760.63      0.000106
 2.78    446497.60     4790.59           0.04
PALUXY          PALUXY RIVER   22195.6*      PF 1       944490.80      607.03      760.56                  760.63      0.000106
 2.78    446701.30     4794.12           0.04
PALUXY          PALUXY RIVER   22185.6*      PF 1       944490.80      607.01      760.56                  760.63      0.000106
 2.78    446895.80     4797.65           0.04
PALUXY          PALUXY RIVER   22175.6*      PF 1       944490.80      606.99      760.56                  760.63      0.000106
 2.78    447098.60     4801.18           0.04
PALUXY          PALUXY RIVER   22165.6*      PF 1       944490.80      606.98      760.56                  760.63      0.000106
 2.78    447302.50     4804.71           0.04
PALUXY          PALUXY RIVER   22155.6*      PF 1       944490.80      606.96      760.56                  760.63      0.000106
 2.78    447505.10     4808.24           0.04
PALUXY          PALUXY RIVER   22145.7*      PF 1       944490.80      606.94      760.56                  760.63      0.000106
 2.78    447714.10     4811.76           0.04
PALUXY          PALUXY RIVER   22135.7*      PF 1       944490.80      606.92      760.55                  760.63      0.000106
 2.78    447921.00     4815.29           0.04
PALUXY          PALUXY RIVER   22125.7*      PF 1       944490.80      606.91      760.55                  760.63      0.000106
 2.77    448124.00     4818.82           0.04
PALUXY          PALUXY RIVER   22115.7*      PF 1       944490.80      606.89      760.55                  760.62      0.000105
 2.77    448338.10     4822.35           0.04
PALUXY          PALUXY RIVER   22105.7*      PF 1       944490.80      606.87      760.55                  760.62      0.000105
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 2.77    448546.40     4825.88           0.04
PALUXY          PALUXY RIVER   22095.7*      PF 1       944490.80      606.85      760.55                  760.62     0.000105
 2.77    448751.40     4829.41           0.04
PALUXY          PALUXY RIVER   22085.7*      PF 1       944490.80      606.84      760.55                  760.62     0.000105
 2.77    448965.40     4832.94           0.04
PALUXY          PALUXY RIVER   22075.7*      PF 1       944490.80      606.82      760.55                  760.62     0.000105
 2.77    449178.70     4836.47           0.04
PALUXY          PALUXY RIVER   22065.8*      PF 1       944490.80      606.80      760.55                  760.62     0.000105
 2.77    449389.40     4840.00           0.04
PALUXY          PALUXY RIVER   22055.8*      PF 1       944490.80      606.78      760.55                  760.62     0.000105
 2.77    449608.40     4843.53           0.04
PALUXY          PALUXY RIVER   22045.8*      PF 1       944490.80      606.76      760.55                  760.62     0.000105
 2.77    449832.50     4847.06           0.04
PALUXY          PALUXY RIVER   22035.8*      PF 1       944490.80      606.75      760.54                  760.62     0.000105
 2.77    450036.90     4850.59           0.04
PALUXY          PALUXY RIVER   22025.8*      PF 1       944490.80      606.73      760.54                  760.62     0.000105
 2.77    450261.40     4854.12           0.04
PALUXY          PALUXY RIVER   22015.8*      PF 1       944490.80      606.71      760.54                  760.61     0.000105
 2.77    450472.30     4857.65           0.04
PALUXY          PALUXY RIVER   22005.8*      PF 1       944490.80      606.69      760.54                  760.61     0.000104
 2.76    450700.00     4861.18           0.04
PALUXY          PALUXY RIVER   21995.8*      PF 1       944490.80      606.68      760.54                  760.61     0.000104
 2.76    450914.80     4864.71           0.04
PALUXY          PALUXY RIVER   21985.8*      PF 1       944490.80      606.66      760.54                  760.61     0.000104
 2.76    451141.70     4868.24           0.04
PALUXY          PALUXY RIVER   21975.9*      PF 1       944490.80      606.64      760.54                  760.61     0.000104
 2.76    451363.00     4871.76           0.04
PALUXY          PALUXY RIVER   21965.9*      PF 1       944490.80      606.62      760.54                  760.61     0.000104
 2.76    451594.90     4875.29           0.04
PALUXY          PALUXY RIVER   21955.9*      PF 1       944490.80      606.61      760.54                  760.61     0.000104
 2.76    451813.00     4878.82           0.04
PALUXY          PALUXY RIVER   21945.9*      PF 1       944490.80      606.59      760.54                  760.61     0.000104
 2.76    452044.90     4882.35           0.04
PALUXY          PALUXY RIVER   21935.9*      PF 1       944490.80      606.57      760.53                  760.61     0.000104
 2.76    452269.20     4885.88           0.04
PALUXY          PALUXY RIVER   21925.9*      PF 1       944490.80      606.55      760.53                  760.60     0.000104
 2.76    452495.70     4889.41           0.04
PALUXY          PALUXY RIVER   21915.9*      PF 1       944490.80      606.54      760.53                  760.60     0.000104
 2.76    452723.20     4892.94           0.04
PALUXY          PALUXY RIVER   21905.9*      PF 1       944490.80      606.52      760.53                  760.60     0.000103
 2.76    452952.50     4896.47           0.04
PALUXY          PALUXY RIVER   21896.*       PF 1       944490.80      606.50      760.53                  760.60     0.000103
 2.75    453185.70     4900.00           0.04
PALUXY          PALUXY RIVER   21886.0*      PF 1       944490.80      606.48      760.53                  760.60     0.000103
 2.75    453425.90     4903.53           0.04
PALUXY          PALUXY RIVER   21876.0*      PF 1       944490.80      606.46      760.53                  760.60     0.000103
 2.75    453655.40     4907.06           0.04
PALUXY          PALUXY RIVER   21866.0*      PF 1       944490.80      606.45      760.53                  760.60     0.000103
 2.75    453891.10     4910.59           0.04
PALUXY          PALUXY RIVER   21856.0*      PF 1       944490.80      606.43      760.53                  760.60     0.000103
 2.75    454132.30     4914.12           0.04
PALUXY          PALUXY RIVER   21846.0*      PF 1       944490.80      606.41      760.53                  760.60     0.000103
 2.75    454356.80     4917.65           0.04
PALUXY          PALUXY RIVER   21836.0*      PF 1       944490.80      606.39      760.52                  760.60     0.000103
 2.75    454600.30     4921.18           0.04
PALUXY          PALUXY RIVER   21826.0*      PF 1       944490.80      606.38      760.52                  760.59     0.000103
 2.75    454842.40     4924.71           0.04
PALUXY          PALUXY RIVER   21816.1*      PF 1       944490.80      606.36      760.52                  760.59     0.000103
 2.75    455076.40     4928.23           0.04
PALUXY          PALUXY RIVER   21806.1*      PF 1       944490.80      606.34      760.52                  760.59     0.000102
 2.74    455324.00     4931.76           0.04
PALUXY          PALUXY RIVER   21796.1*      PF 1       944490.80      606.32      760.52                  760.59     0.000102
 2.74    455564.60     4935.29           0.04
PALUXY          PALUXY RIVER   21786.1*      PF 1       944490.80      606.31      760.52                  760.59     0.000102
 2.74    455805.70     4938.82           0.04
PALUXY          PALUXY RIVER   21776.1*      PF 1       944490.80      606.29      760.52                  760.59     0.000102
 2.74    456055.10     4942.35           0.04
PALUXY          PALUXY RIVER   21766.1*      PF 1       944490.80      606.27      760.52                  760.59     0.000102
 2.74    456292.40     4945.88           0.04
PALUXY          PALUXY RIVER   21756.1*      PF 1       944490.80      606.25      760.52                  760.59     0.000102
 2.74    456543.20     4949.41           0.04
PALUXY          PALUXY RIVER   21746.1*      PF 1       944490.80      606.24      760.52                  760.59     0.000102
 2.74    456788.50     4952.94           0.04
PALUXY          PALUXY RIVER   21736.1*      PF 1       944490.80      606.22      760.51                  760.59     0.000102
 2.74    457034.60     4956.47           0.04
PALUXY          PALUXY RIVER   21726.2*      PF 1       944490.80      606.20      760.51                  760.58     0.000101
 2.74    457293.40     4960.00           0.04
PALUXY          PALUXY RIVER   21716.2*      PF 1       944490.80      606.18      760.51                  760.58     0.000101
 2.73    457543.00     4963.53           0.04
PALUXY          PALUXY RIVER   21706.2*      PF 1       944490.80      606.16      760.51                  760.58     0.000101
 2.73    457789.50     4967.06           0.04
PALUXY          PALUXY RIVER   21696.2*      PF 1       944490.80      606.15      760.51                  760.58     0.000101
 2.73    458052.10     4970.59           0.04
PALUXY          PALUXY RIVER   21686.2*      PF 1       944490.80      606.13      760.51                  760.58     0.000101
 2.73    458303.70     4974.12           0.04
PALUXY          PALUXY RIVER   21676.2*      PF 1       944490.80      606.11      760.51                  760.58     0.000101
 2.73    458546.80     4977.65           0.04
PALUXY          PALUXY RIVER   21666.2*      PF 1       944490.80      606.09      760.51                  760.58     0.000101
 2.73    458812.10     4981.18           0.04
PALUXY          PALUXY RIVER   21656.2*      PF 1       944490.80      606.08      760.51                  760.58     0.000101
 2.73    459059.30     4984.71           0.04
PALUXY          PALUXY RIVER   21646.2*      PF 1       944490.80      606.06      760.51                  760.58     0.000101
 2.73    459320.20     4988.23           0.04
PALUXY          PALUXY RIVER   21636.3*      PF 1       944490.80      606.04      760.50                  760.57     0.000100
 2.72    459582.70     4991.76           0.04
PALUXY          PALUXY RIVER   21626.3*      PF 1       944490.80      606.02      760.50                  760.57     0.000100
 2.72    459841.50     4995.29           0.04
PALUXY          PALUXY RIVER   21616.3*      PF 1       944490.80      606.01      760.50                  760.57     0.000100
 2.72    460104.10     4998.82           0.04
PALUXY          PALUXY RIVER   21606.3*      PF 1       944490.80      605.99      760.50                  760.57     0.000100
 2.72    460367.80     5002.35           0.04
PALUXY          PALUXY RIVER   21596.3*      PF 1       944490.80      605.97      760.50                  760.57     0.000100
 2.72    460620.20     5005.88           0.04
PALUXY          PALUXY RIVER   21586.3*      PF 1       944490.80      605.95      760.50                  760.57     0.000100
 2.72    460891.80     5009.41           0.04
PALUXY          PALUXY RIVER   21576.3*      PF 1       944490.80      605.94      760.50                  760.57     0.000100
 2.72    461153.10     5012.94           0.04
PALUXY          PALUXY RIVER   21566.3*      PF 1       944490.80      605.92      760.50                  760.57     0.000100
 2.71    461422.90     5016.47           0.04
PALUXY          PALUXY RIVER   21556.4*      PF 1       944490.80      605.90      760.50                  760.57     0.000099
 2.71    461693.30     5020.00           0.04
PALUXY          PALUXY RIVER   21546.4*      PF 1       944490.80      605.88      760.50                  760.57     0.000099
 2.71    461955.30     5023.53           0.04
PALUXY          PALUXY RIVER   21536.4*      PF 1       944490.80      605.86      760.50                  760.56     0.000099
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 2.71    462229.10     5027.06           0.04
PALUXY         PALUXY RIVER   21526.4*      PF 1       944490.80      605.85      760.49                  760.56     0.000099
 2.71    462500.90     5030.59           0.04
PALUXY         PALUXY RIVER   21516.4*      PF 1       944490.80      605.83      760.49                  760.56     0.000099
 2.71    462767.40     5034.12           0.04
PALUXY         PALUXY RIVER   21506.4*      PF 1       944490.80      605.81      760.49                  760.56     0.000099
 2.71    463040.30     5037.65           0.04
PALUXY         PALUXY RIVER   21496.4*      PF 1       944490.80      605.79      760.49                  760.56     0.000099
 2.70    463317.10     5041.18           0.04
PALUXY         PALUXY RIVER   21486.4*      PF 1       944490.80      605.78      760.49                  760.56     0.000099
 2.70    463586.80     5044.71           0.04
PALUXY         PALUXY RIVER   21476.5*      PF 1       944490.80      605.76      760.49                  760.56     0.000098
 2.70    463870.80     5048.23           0.04
PALUXY         PALUXY RIVER   21466.5*      PF 1       944490.80      605.74      760.49                  760.56     0.000098
 2.70    464146.00     5051.76           0.04
PALUXY         PALUXY RIVER   21456.5*      PF 1       944490.80      605.72      760.49                  760.56     0.000098
 2.70    464421.50     5055.29           0.04
PALUXY         PALUXY RIVER   21446.5*      PF 1       944490.80      605.71      760.49                  760.56     0.000098
 2.70    464703.90     5058.82           0.04
PALUXY         PALUXY RIVER   21436.5*      PF 1       944490.80      605.69      760.49                  760.55     0.000098
 2.70    464979.50     5062.35           0.04
PALUXY         PALUXY RIVER   21426.5*      PF 1       944490.80      605.67      760.49                  760.55     0.000098
 2.69    465258.90     5065.88           0.04
PALUXY         PALUXY RIVER   21416.5*      PF 1       944490.80      605.65      760.48                  760.55     0.000098
 2.69    465546.80     5069.41           0.04
PALUXY         PALUXY RIVER   21406.5*      PF 1       944490.80      605.64      760.48                  760.55     0.000097
 2.69    465826.70     5072.94           0.04
PALUXY         PALUXY RIVER   21396.5*      PF 1       944490.80      605.62      760.48                  760.55     0.000097
 2.69    466109.30     5076.47           0.04
PALUXY         PALUXY RIVER   21386.6*      PF 1       944490.80      605.60      760.48                  760.55     0.000097
 2.69    466402.10     5080.00           0.04
PALUXY         PALUXY RIVER   21376.6*      PF 1       944490.80      605.58      760.48                  760.55     0.000097
 2.69    466684.80     5083.53           0.04
PALUXY         PALUXY RIVER   21366.6*      PF 1       944490.80      605.56      760.48                  760.55     0.000097
 2.68    466977.30     5087.06           0.04
PALUXY         PALUXY RIVER   21356.6*      PF 1       944490.80      605.55      760.48                  760.55     0.000097
 2.68    467259.70     5090.59           0.04
PALUXY         PALUXY RIVER   21346.6*      PF 1       944490.80      605.53      760.48                  760.55     0.000097
 2.68    467549.60     5094.12           0.04
PALUXY         PALUXY RIVER   21336.6*      PF 1       944490.80      605.51      760.48                  760.54     0.000097
 2.68    467838.80     5097.65           0.04
PALUXY         PALUXY RIVER   21326.6*      PF 1       944490.80      605.49      760.48                  760.54     0.000096
 2.68    468127.50     5101.18           0.04
PALUXY         PALUXY RIVER   21316.6*      PF 1       944490.80      605.48      760.48                  760.54     0.000096
 2.68    468422.10     5104.71           0.04
PALUXY         PALUXY RIVER   21306.7*      PF 1       944490.80      605.46      760.47                  760.54     0.000096
 2.67    468719.90     5108.23           0.04
PALUXY         PALUXY RIVER   21296.7*      PF 1       944490.80      605.44      760.47                  760.54     0.000096
 2.67    469007.00     5111.76           0.04
PALUXY         PALUXY RIVER   21286.7*      PF 1       944490.80      605.42      760.47                  760.54     0.000096
 2.67    469308.90     5115.29           0.04
PALUXY         PALUXY RIVER   21276.7*      PF 1       944490.80      605.41      760.47                  760.54     0.000096
 2.67    469606.40     5118.82           0.04
PALUXY         PALUXY RIVER   21266.7*      PF 1       944490.80      605.39      760.47                  760.54     0.000096
 2.67    469901.10     5122.35           0.04
PALUXY         PALUXY RIVER   21256.7*      PF 1       944490.80      605.37      760.47                  760.54     0.000095
 2.67    470194.80     5125.88           0.04
PALUXY         PALUXY RIVER   21246.7*      PF 1       944490.80      605.35      760.47                  760.54     0.000095
 2.66    470507.60     5129.41           0.04
PALUXY         PALUXY RIVER   21236.7*      PF 1       944490.80      605.34      760.47                  760.53     0.000095
 2.66    470796.90     5132.94           0.04
PALUXY         PALUXY RIVER   21226.7*      PF 1       944490.80      605.32      760.47                  760.53     0.000095
 2.66    471102.70     5136.47           0.04
PALUXY         PALUXY RIVER   21216.8*      PF 1       944490.80      605.30      760.47                  760.53     0.000095
 2.66    471406.10     5140.00           0.04
PALUXY         PALUXY RIVER   21206.8*      PF 1       944490.80      605.28      760.47                  760.53     0.000095
 2.66    471707.80     5143.53           0.04
PALUXY         PALUXY RIVER   21196.8*      PF 1       944490.80      605.26      760.46                  760.53     0.000095
 2.66    472017.30     5147.06           0.04
PALUXY         PALUXY RIVER   21186.8*      PF 1       944490.80      605.25      760.46                  760.53     0.000094
 2.65    472322.80     5150.59           0.04
PALUXY         PALUXY RIVER   21176.8*      PF 1       944490.80      605.23      760.46                  760.53     0.000094
 2.65    472628.80     5154.12           0.04
PALUXY         PALUXY RIVER   21166.8*      PF 1       944490.80      605.21      760.46                  760.53     0.000094
 2.65    472937.80     5157.65           0.04
PALUXY         PALUXY RIVER   21156.8*      PF 1       944490.80      605.19      760.46                  760.53     0.000094
 2.65    473247.40     5161.18           0.04
PALUXY         PALUXY RIVER   21146.8*      PF 1       944490.80      605.18      760.46                  760.53     0.000094
 2.65    473557.10     5164.71           0.04
PALUXY         PALUXY RIVER   21136.9*      PF 1       944490.80      605.16      760.46                  760.53     0.000094
 2.65    473874.40     5168.23           0.04
PALUXY         PALUXY RIVER   21126.9*      PF 1       944490.80      605.14      760.46                  760.52     0.000094
 2.64    474181.30     5171.76           0.04
PALUXY         PALUXY RIVER   21116.9*      PF 1       944490.80      605.12      760.46                  760.52     0.000093
 2.64    474496.10     5175.29           0.04
PALUXY         PALUXY RIVER   21106.9*      PF 1       944490.80      605.11      760.46                  760.52     0.000093
 2.64    474808.70     5178.82           0.04
PALUXY         PALUXY RIVER   21096.9*      PF 1       944490.80      605.09      760.46                  760.52     0.000093
 2.64    475127.20     5182.35           0.04
PALUXY         PALUXY RIVER   21086.9*      PF 1       944490.80      605.07      760.45                  760.52     0.000093
 2.64    475444.50     5185.88           0.04
PALUXY         PALUXY RIVER   21076.9*      PF 1       944490.80      605.05      760.45                  760.52     0.000093
 2.64    475761.20     5189.41           0.04
PALUXY         PALUXY RIVER   21066.9*      PF 1       944490.80      605.04      760.45                  760.52     0.000093
 2.63    476075.90     5192.94           0.04
PALUXY         PALUXY RIVER   21056.9*      PF 1       944490.80      605.02      760.45                  760.52     0.000092
 2.63    476404.30     5196.47           0.04
PALUXY         PALUXY RIVER   21047         PF 1       944490.80      605.00      760.45                  760.52     0.000092
 2.63    476721.10     5200.00           0.04
PALUXY         PALUXY RIVER   20951.6*      PF 1       944490.80      604.83      760.44                  760.51     0.000090
 2.60    482793.50     5261.11           0.04
PALUXY         PALUXY RIVER   20856.3*      PF 1       944490.80      604.67      760.44                  760.50     0.000088
 2.57    488998.00     5322.22           0.04
PALUXY         PALUXY RIVER   20761.*       PF 1       944490.80      604.50      760.43                  760.49     0.000086
 2.54    495333.30     5383.33           0.04
PALUXY         PALUXY RIVER   20665.6*      PF 1       944490.80      604.33      760.42                  760.48     0.000084
 2.51    501817.60     5444.44           0.04
PALUXY         PALUXY RIVER   20570.3*      PF 1       944490.80      604.17      760.42                  760.47     0.000081
 2.48    508427.80     5505.56           0.04
PALUXY         PALUXY RIVER   20475.*       PF 1       944490.80      604.00      760.41                  760.46     0.000079
 2.45    515184.60     5566.67           0.04
PALUXY         PALUXY RIVER   20379.6*      PF 1       944490.80      603.83      760.40                  760.46     0.000077
 2.42    522076.00     5627.78           0.03
PALUXY         PALUXY RIVER   20284.3*      PF 1       944490.80      603.67      760.40                  760.45     0.000075
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 2.39    529098.60     5688.89           0.03
PALUXY         PALUXY RIVER   20189.*      PF 1       944490.80      603.50      760.39                  760.44     0.000073
 2.36    536264.10     5750.00           0.03
PALUXY         PALUXY RIVER   20093.6*     PF 1       944490.80      603.33      760.38                  760.43     0.000071
 2.33    543569.90     5811.11           0.03
PALUXY         PALUXY RIVER   19998.3*     PF 1       944490.80      603.17      760.38                  760.43     0.000069
 2.30    551003.80     5872.22           0.03
PALUXY         PALUXY RIVER   19903.*      PF 1       944490.80      603.00      760.37                  760.42     0.000067
 2.27    558580.90     5933.33           0.03
PALUXY         PALUXY RIVER   19807.6*     PF 1       944490.80      602.83      760.37                  760.41     0.000065
 2.24    566298.60     5994.44           0.03
PALUXY         PALUXY RIVER   19712.3*     PF 1       944490.80      602.67      760.36                  760.41     0.000063
 2.21    574141.20     6055.56           0.03
PALUXY         PALUXY RIVER   19617.*      PF 1       944490.80      602.50      760.36                  760.40     0.000061
 2.18    582129.70     6116.67           0.03
PALUXY         PALUXY RIVER   19521.6*     PF 1       944490.80      602.33      760.35                  760.39     0.000059
 2.15    590255.50     6177.78           0.03
PALUXY         PALUXY RIVER   19426.3*     PF 1       944490.80      602.17      760.35                  760.39     0.000057
 2.11    598513.00     6238.89           0.03
PALUXY         PALUXY RIVER   19331        PF 1       944490.80      602.00      760.34                  760.38     0.000056
 2.08    606917.20     6300.00           0.03
PALUXY         PALUXY RIVER   17277        PF 1       944490.80      595.00      760.22                  760.26     0.000059
 2.17    566526.70     5600.00           0.03
PALUXY         PALUXY RIVER   15741        PF 1       944490.80      593.00      760.12                  760.17     0.000068
 2.40    542948.80     5600.00           0.03
PALUXY         PALUXY RIVER   14471        PF 1       944490.80      590.00      760.05                  760.09     0.000049
 2.05    584252.00     5200.00           0.03
PALUXY         PALUXY RIVER   14325.1*     PF 1       944490.80      589.71      760.05                  760.08     0.000043
 1.93    621299.10     5492.86           0.03
PALUXY         PALUXY RIVER   14179.2*     PF 1       944490.80      589.43      760.04                  760.08     0.000038
 1.81    659555.80     5785.71           0.02
PALUXY         PALUXY RIVER   14033.4*     PF 1       944490.80      589.14      760.04                  760.07     0.000033
 1.70    699027.30     6078.57           0.02
PALUXY         PALUXY RIVER   13887.5*     PF 1       944490.80      588.86      760.04                  760.06     0.000029
 1.61    739693.40     6371.43           0.02
PALUXY         PALUXY RIVER   13741.7*     PF 1       944490.80      588.57      760.04                  760.06     0.000026
 1.51    781576.90     6664.29           0.02
PALUXY         PALUXY RIVER   13595.8*     PF 1       944490.80      588.29      760.03                  760.05     0.000023
 1.43    824671.50     6957.14           0.02
PALUXY         PALUXY RIVER   13450        PF 1       944490.80      588.00      760.03                  760.05     0.000021
 1.35    868978.70     7250.00           0.02
PALUXY         PALUXY RIVER   12129        PF 1       944490.80      583.00      760.01                  760.03     0.000015
 1.15    981806.30     8066.82           0.02
PALUXY         PALUXY RIVER   11391        PF 1       944490.80      582.00      760.00                  760.01     0.000016
 1.22    910005.40     6850.00           0.02
PALUXY         PALUXY RIVER   11341.3*     PF 1       944490.80      581.94      760.00                  760.01     0.000016
 1.22    911296.60     6887.00           0.02
PALUXY         PALUXY RIVER   11291.6*     PF 1       944490.80      581.88      760.00                  760.01     0.000016
 1.22    912655.10     6924.00           0.02
PALUXY         PALUXY RIVER   11241.9*     PF 1       944490.80      581.82      759.99                  760.01     0.000016
 1.22    914090.60     6961.00           0.02
PALUXY         PALUXY RIVER   11192.2*     PF 1       944490.80      581.76      759.99                  760.01     0.000016
 1.22    915590.40     6998.00           0.02
PALUXY         PALUXY RIVER   11142.6*     PF 1       944490.80      581.70      759.99                  760.01     0.000016
 1.22    917171.10     7035.00           0.02
PALUXY         PALUXY RIVER   11092.9*     PF 1       944490.80      581.64      759.99                  760.01     0.000016
 1.22    918816.10     7072.00           0.02
PALUXY         PALUXY RIVER   11043.2*     PF 1       944490.80      581.58      759.99                  760.01     0.000016
 1.22    920531.00     7109.00           0.02
PALUXY         PALUXY RIVER   10993.5*     PF 1       944490.80      581.52      759.99                  760.01     0.000016
 1.22    922324.10     7146.00           0.02
PALUXY         PALUXY RIVER   10943.8*     PF 1       944490.80      581.46      759.99                  760.01     0.000016
 1.22    924180.60     7183.00           0.02
PALUXY         PALUXY RIVER   10894.2*     PF 1       944490.80      581.40      759.99                  760.01     0.000016
 1.22    926110.90     7220.00           0.02
PALUXY         PALUXY RIVER   10844.5*     PF 1       944490.80      581.34      759.99                  760.00     0.000016
 1.22    928109.00     7257.00           0.02
PALUXY         PALUXY RIVER   10794.8*     PF 1       944490.80      581.28      759.99                  760.00     0.000016
 1.22    930181.60     7294.00           0.02
PALUXY         PALUXY RIVER   10745.1*     PF 1       944490.80      581.22      759.99                  760.00     0.000016
 1.22    932331.80     7331.00           0.02
PALUXY         PALUXY RIVER   10695.4*     PF 1       944490.80      581.16      759.99                  760.00     0.000016
 1.22    934541.60     7368.00           0.02
PALUXY         PALUXY RIVER   10645.8*     PF 1       944490.80      581.10      759.99                  760.00     0.000016
 1.22    936831.40     7405.00           0.02
PALUXY         PALUXY RIVER   10596.1*     PF 1       944490.80      581.04      759.98                  760.00     0.000016
 1.22    939189.40     7442.00           0.02
PALUXY         PALUXY RIVER   10546.4*     PF 1       944490.80      580.98      759.98                  760.00     0.000016
 1.22    941618.40     7479.00           0.02
PALUXY         PALUXY RIVER   10496.7*     PF 1       944490.80      580.92      759.98                  760.00     0.000016
 1.21    944119.10     7516.00           0.02
PALUXY         PALUXY RIVER   10447.0*     PF 1       944490.80      580.86      759.98                  760.00     0.000016
 1.21    946686.90     7553.00           0.02
PALUXY         PALUXY RIVER   10397.4*     PF 1       944490.80      580.80      759.98                  760.00     0.000016
 1.21    949330.40     7590.00           0.02
PALUXY         PALUXY RIVER   10347.7*     PF 1       944490.80      580.74      759.98                  760.00     0.000016
 1.21    952037.90     7627.00           0.02
PALUXY         PALUXY RIVER   10298.0*     PF 1       944490.80      580.68      759.98                  760.00     0.000016
 1.21    954827.70     7664.00           0.02
PALUXY         PALUXY RIVER   10248.3*     PF 1       944490.80      580.62      759.98                  760.00     0.000016
 1.21    957683.60     7701.00           0.02
PALUXY         PALUXY RIVER   10198.6*     PF 1       944490.80      580.56      759.98                  759.99     0.000016
 1.20    960614.30     7738.00           0.02
PALUXY         PALUXY RIVER   10149.*      PF 1       944490.80      580.50      759.98                  759.99     0.000016
 1.20    963614.20     7775.00           0.02
PALUXY         PALUXY RIVER   10099.3*     PF 1       944490.80      580.44      759.98                  759.99     0.000016
 1.20    966676.50     7812.00           0.02
PALUXY         PALUXY RIVER   10049.6*     PF 1       944490.80      580.38      759.98                  759.99     0.000016
 1.20    969818.30     7849.00           0.02
PALUXY         PALUXY RIVER   9999.96*     PF 1       944490.80      580.32      759.98                  759.99     0.000015
 1.20    973032.40     7886.00           0.02
PALUXY         PALUXY RIVER   9950.28*     PF 1       944490.80      580.26      759.98                  759.99     0.000015
 1.19    976312.70     7923.00           0.02
PALUXY         PALUXY RIVER   9900.6*      PF 1       944490.80      580.20      759.97                  759.99     0.000015
 1.19    979668.60     7960.00           0.02
PALUXY         PALUXY RIVER   9850.92*     PF 1       944490.80      580.14      759.97                  759.99     0.000015
 1.19    983091.70     7997.00           0.02
PALUXY         PALUXY RIVER   9801.24*     PF 1       944490.80      580.08      759.97                  759.99     0.000015
 1.19    986590.90     8034.00           0.02
PALUXY         PALUXY RIVER   9751.56*     PF 1       944490.80      580.02      759.97                  759.99     0.000015
 1.18    990156.30     8071.00           0.02
PALUXY         PALUXY RIVER   9701.88*     PF 1       944490.80      579.96      759.97                  759.99     0.000015
 1.18    993792.20     8108.00           0.02
PALUXY         PALUXY RIVER   9652.2*      PF 1       944490.80      579.90      759.97                  759.99     0.000015
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 1.18    997503.30     8145.00           0.02
PALUXY          PALUXY RIVER   9602.52*      PF 1       944490.80      579.84      759.97                  759.98     0.000015
 1.17   1001285.00     8182.00           0.02
PALUXY          PALUXY RIVER   9552.84*      PF 1       944490.80      579.78      759.97                  759.98     0.000015
 1.17   1005139.00     8219.00           0.02
PALUXY          PALUXY RIVER   9503.16*      PF 1       944490.80      579.72      759.97                  759.98     0.000015
 1.17   1009055.00     8256.00           0.02
PALUXY          PALUXY RIVER   9453.48*      PF 1       944490.80      579.66      759.97                  759.98     0.000014
 1.16   1013058.00     8293.00           0.02
PALUXY          PALUXY RIVER   9403.8*       PF 1       944490.80      579.60      759.97                  759.98     0.000014
 1.16   1017118.00     8330.00           0.02
PALUXY          PALUXY RIVER   9354.12*      PF 1       944490.80      579.54      759.97                  759.98     0.000014
 1.15   1021259.00     8367.00           0.02
PALUXY          PALUXY RIVER   9304.43*      PF 1       944490.80      579.48      759.97                  759.98     0.000014
 1.15   1025469.00     8404.00           0.02
PALUXY          PALUXY RIVER   9254.76*      PF 1       944490.80      579.42      759.97                  759.98     0.000014
 1.15   1029745.00     8441.00           0.02
PALUXY          PALUXY RIVER   9205.08*      PF 1       944490.80      579.36      759.97                  759.98     0.000014
 1.14   1034097.00     8478.00           0.02
PALUXY          PALUXY RIVER   9155.4*       PF 1       944490.80      579.30      759.96                  759.98     0.000014
 1.14   1038523.00     8515.00           0.02
PALUXY          PALUXY RIVER   9105.72*      PF 1       944490.80      579.24      759.96                  759.98     0.000014
 1.13   1043010.00     8552.00           0.02
PALUXY          PALUXY RIVER   9056.04*      PF 1       944490.80      579.18      759.96                  759.98     0.000014
 1.13   1047573.00     8589.00           0.02
PALUXY          PALUXY RIVER   9006.36*      PF 1       944490.80      579.12      759.96                  759.98     0.000014
 1.13   1052208.00     8626.00           0.02
PALUXY          PALUXY RIVER   8956.68*      PF 1       944490.80      579.06      759.96                  759.98     0.000013
 1.12   1056917.00     8663.00           0.01
PALUXY          PALUXY RIVER   8907          PF 1       944490.80      579.00      759.96                  759.97     0.000013
 1.12   1061694.00     8700.00           0.01
PALUXY          PALUXY RIVER   8861.14*      PF 1       944490.80      578.81      759.96                  759.97     0.000013
 1.12   1057901.00     8650.00           0.01
PALUXY          PALUXY RIVER   8815.28*      PF 1       944490.80      578.62      759.96                  759.97     0.000013
 1.12   1054176.00     8600.00           0.01
PALUXY          PALUXY RIVER   8769.42*      PF 1       944490.80      578.43      759.96                  759.97     0.000013
 1.13   1050538.00     8550.00           0.02
PALUXY          PALUXY RIVER   8723.57*      PF 1       944490.80      578.24      759.96                  759.97     0.000014
 1.13   1046971.00     8500.00           0.02
PALUXY          PALUXY RIVER   8677.71*      PF 1       944490.80      578.05      759.96                  759.97     0.000014
 1.13   1043491.00     8450.00           0.02
PALUXY          PALUXY RIVER   8631.85*      PF 1       944490.80      577.86      759.96                  759.97     0.000014
 1.14   1040089.00     8400.00           0.02
PALUXY          PALUXY RIVER   8586.*        PF 1       944490.80      577.67      759.96                  759.97     0.000014
 1.14   1036764.00     8350.00           0.02
PALUXY          PALUXY RIVER   8540.14*      PF 1       944490.80      577.48      759.96                  759.97     0.000014
 1.14   1033515.00     8300.00           0.02
PALUXY          PALUXY RIVER   8494.28*      PF 1       944490.80      577.29      759.96                  759.97     0.000014
 1.14   1030340.00     8250.00           0.02
PALUXY          PALUXY RIVER   8448.42*      PF 1       944490.80      577.10      759.95                  759.97     0.000014
 1.15   1027242.00     8200.00           0.02
PALUXY          PALUXY RIVER   8402.57*      PF 1       944490.80      576.90      759.95                  759.97     0.000014
 1.15   1024241.00     8150.00           0.02
PALUXY          PALUXY RIVER   8356.71*      PF 1       944490.80      576.71      759.95                  759.97     0.000014
 1.15   1021299.00     8100.00           0.02
PALUXY          PALUXY RIVER   8310.85*      PF 1       944490.80      576.52      759.95                  759.97     0.000014
 1.15   1018441.00     8050.00           0.02
PALUXY          PALUXY RIVER   8265.*        PF 1       944490.80      576.33      759.95                  759.97     0.000014
 1.15   1015660.00     8000.00           0.02
PALUXY          PALUXY RIVER   8219.14*      PF 1       944490.80      576.14      759.95                  759.96     0.000014
 1.15   1012961.00     7950.00           0.02
PALUXY          PALUXY RIVER   8173.28*      PF 1       944490.80      575.95      759.95                  759.96     0.000014
 1.16   1010339.00     7900.00           0.02
PALUXY          PALUXY RIVER   8127.42*      PF 1       944490.80      575.76      759.95                  759.96     0.000014
 1.16   1007798.00     7850.00           0.02
PALUXY          PALUXY RIVER   8081.57*      PF 1       944490.80      575.57      759.95                  759.96     0.000014
 1.16   1005325.00     7800.00           0.02
PALUXY          PALUXY RIVER   8035.71*      PF 1       944490.80      575.38      759.95                  759.96     0.000014
 1.16   1002942.00     7750.00           0.02
PALUXY          PALUXY RIVER   7989.85*      PF 1       944490.80      575.19      759.95                  759.96     0.000014
 1.16   1000623.00     7700.00           0.02
PALUXY          PALUXY RIVER   7944          PF 1       944490.80      575.00      759.95                  759.96     0.000014
 1.16    998393.40     7650.00           0.02
PALUXY          PALUXY RIVER   7080          PF 1       944490.80      573.00      759.91                  759.94     0.000027
 1.62    696994.00     5250.00           0.02
PALUXY          PALUXY RIVER   7065.01*      PF 1       944490.80      572.98      759.91                  759.94     0.000027
 1.62    696341.10     5243.94           0.02
PALUXY          PALUXY RIVER   7050.03*      PF 1       944490.80      572.97      759.91                  759.94     0.000027
 1.62    695695.30     5237.88           0.02
PALUXY          PALUXY RIVER   7035.04*      PF 1       944490.80      572.95      759.91                  759.94     0.000028
 1.62    695050.50     5231.82           0.02
PALUXY          PALUXY RIVER   7020.06*      PF 1       944490.80      572.94      759.91                  759.94     0.000028
 1.63    694401.30     5225.76           0.02
PALUXY          PALUXY RIVER   7005.07*      PF 1       944490.80      572.92      759.91                  759.94     0.000028
 1.63    693759.40     5219.70           0.02
PALUXY          PALUXY RIVER   6990.09*      PF 1       944490.80      572.91      759.91                  759.94     0.000028
 1.63    693111.30     5213.64           0.02
PALUXY          PALUXY RIVER   6975.10*      PF 1       944490.80      572.89      759.91                  759.94     0.000028
 1.63    692466.60     5207.58           0.02
PALUXY          PALUXY RIVER   6960.12*      PF 1       944490.80      572.88      759.91                  759.94     0.000028
 1.63    691831.00     5201.52           0.02
PALUXY          PALUXY RIVER   6945.13*      PF 1       944490.80      572.86      759.91                  759.94     0.000028
 1.64    691196.90     5195.45           0.02
PALUXY          PALUXY RIVER   6930.15*      PF 1       944490.80      572.85      759.91                  759.94     0.000028
 1.64    690556.00     5189.39           0.02
PALUXY          PALUXY RIVER   6915.16*      PF 1       944490.80      572.83      759.91                  759.94     0.000028
 1.64    689930.50     5183.33           0.02
PALUXY          PALUXY RIVER   6900.18*      PF 1       944490.80      572.82      759.91                  759.94     0.000028
 1.64    689291.70     5177.27           0.02
PALUXY          PALUXY RIVER   6885.19*      PF 1       944490.80      572.80      759.91                  759.94     0.000028
 1.64    688659.00     5171.21           0.02
PALUXY          PALUXY RIVER   6870.21*      PF 1       944490.80      572.79      759.91                  759.94     0.000028
 1.64    688037.60     5165.15           0.02
PALUXY          PALUXY RIVER   6855.22*      PF 1       944490.80      572.77      759.91                  759.94     0.000028
 1.65    687409.30     5159.09           0.02
PALUXY          PALUXY RIVER   6840.24*      PF 1       944490.80      572.76      759.91                  759.94     0.000028
 1.65    686780.10     5153.03           0.02
PALUXY          PALUXY RIVER   6825.25*      PF 1       944490.80      572.74      759.90                  759.94     0.000028
 1.65    686159.80     5146.97           0.02
PALUXY          PALUXY RIVER   6810.27*      PF 1       944490.80      572.73      759.90                  759.94     0.000028
 1.65    685531.00     5140.91           0.02
PALUXY          PALUXY RIVER   6795.28*      PF 1       944490.80      572.71      759.90                  759.93     0.000028
 1.65    684913.20     5134.85           0.02
PALUXY          PALUXY RIVER   6780.30*      PF 1       944490.80      572.70      759.90                  759.93     0.000028
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 1.66    684302.70     5128.79           0.02
PALUXY         PALUXY RIVER   6765.31*      PF 1       944490.80      572.68      759.90                  759.93     0.000028
 1.66    683679.30     5122.73           0.02
PALUXY         PALUXY RIVER   6750.33*      PF 1       944490.80      572.67      759.90                  759.93     0.000028
 1.66    683065.40     5116.67           0.02
PALUXY         PALUXY RIVER   6735.34*      PF 1       944490.80      572.65      759.90                  759.93     0.000029
 1.66    682455.80     5110.61           0.02
PALUXY         PALUXY RIVER   6720.36*      PF 1       944490.80      572.64      759.90                  759.93     0.000029
 1.66    681834.60     5104.55           0.02
PALUXY         PALUXY RIVER   6705.37*      PF 1       944490.80      572.62      759.90                  759.93     0.000029
 1.66    681225.80     5098.48           0.02
PALUXY         PALUXY RIVER   6690.39*      PF 1       944490.80      572.61      759.90                  759.93     0.000029
 1.67    680627.40     5092.42           0.02
PALUXY         PALUXY RIVER   6675.40*      PF 1       944490.80      572.59      759.90                  759.93     0.000029
 1.67    680017.60     5086.36           0.02
PALUXY         PALUXY RIVER   6660.42*      PF 1       944490.80      572.58      759.90                  759.93     0.000029
 1.67    679403.90     5080.30           0.02
PALUXY         PALUXY RIVER   6645.43*      PF 1       944490.80      572.56      759.90                  759.93     0.000029
 1.67    678811.60     5074.24           0.02
PALUXY         PALUXY RIVER   6630.45*      PF 1       944490.80      572.55      759.90                  759.93     0.000029
 1.67    678201.50     5068.18           0.02
PALUXY         PALUXY RIVER   6615.47*      PF 1       944490.80      572.53      759.90                  759.93     0.000029
 1.68    677607.90     5062.12           0.02
PALUXY         PALUXY RIVER   6600.48*      PF 1       944490.80      572.52      759.90                  759.93     0.000029
 1.68    677010.50     5056.06           0.02
PALUXY         PALUXY RIVER   6585.5*       PF 1       944490.80      572.50      759.90                  759.93     0.000029
 1.68    676412.70     5050.00           0.02
PALUXY         PALUXY RIVER   6570.51*      PF 1       944490.80      572.48      759.90                  759.93     0.000029
 1.68    675817.80     5043.94           0.02
PALUXY         PALUXY RIVER   6555.53*      PF 1       944490.80      572.47      759.90                  759.93     0.000029
 1.68    675224.70     5037.88           0.02
PALUXY         PALUXY RIVER   6540.54*      PF 1       944490.80      572.45      759.90                  759.93     0.000029
 1.68    674637.20     5031.82           0.02
PALUXY         PALUXY RIVER   6525.56*      PF 1       944490.80      572.44      759.90                  759.93     0.000029
 1.69    674046.30     5025.76           0.02
PALUXY         PALUXY RIVER   6510.57*      PF 1       944490.80      572.42      759.89                  759.93     0.000029
 1.69    673467.90     5019.70           0.02
PALUXY         PALUXY RIVER   6495.59*      PF 1       944490.80      572.41      759.89                  759.93     0.000029
 1.69    672870.80     5013.64           0.02
PALUXY         PALUXY RIVER   6480.60*      PF 1       944490.80      572.39      759.89                  759.93     0.000029
 1.69    672283.70     5007.58           0.02
PALUXY         PALUXY RIVER   6465.62*      PF 1       944490.80      572.38      759.89                  759.93     0.000029
 1.69    671705.50     5001.52           0.02
PALUXY         PALUXY RIVER   6450.63*      PF 1       944490.80      572.36      759.89                  759.92     0.000029
 1.69    671132.60     4995.45           0.02
PALUXY         PALUXY RIVER   6435.65*      PF 1       944490.80      572.35      759.89                  759.92     0.000030
 1.70    670539.90     4989.39           0.02
PALUXY         PALUXY RIVER   6420.66*      PF 1       944490.80      572.33      759.89                  759.92     0.000030
 1.70    669968.20     4983.33           0.02
PALUXY         PALUXY RIVER   6405.68*      PF 1       944490.80      572.32      759.89                  759.92     0.000030
 1.70    669395.60     4977.27           0.02
PALUXY         PALUXY RIVER   6390.69*      PF 1       944490.80      572.30      759.89                  759.92     0.000030
 1.70    668814.40     4971.21           0.02
PALUXY         PALUXY RIVER   6375.71*      PF 1       944490.80      572.29      759.89                  759.92     0.000030
 1.70    668251.10     4965.15           0.02
PALUXY         PALUXY RIVER   6360.72*      PF 1       944490.80      572.27      759.89                  759.92     0.000030
 1.71    667681.40     4959.09           0.02
PALUXY         PALUXY RIVER   6345.74*      PF 1       944490.80      572.26      759.89                  759.92     0.000030
 1.71    667108.80     4953.03           0.02
PALUXY         PALUXY RIVER   6330.75*      PF 1       944490.80      572.24      759.89                  759.92     0.000030
 1.71    666544.10     4946.97           0.02
PALUXY         PALUXY RIVER   6315.77*      PF 1       944490.80      572.23      759.89                  759.92     0.000030
 1.71    665974.90     4940.91           0.02
PALUXY         PALUXY RIVER   6300.78*      PF 1       944490.80      572.21      759.89                  759.92     0.000030
 1.71    665409.40     4934.85           0.02
PALUXY         PALUXY RIVER   6285.80*      PF 1       944490.80      572.20      759.89                  759.92     0.000030
 1.71    664858.40     4928.79           0.02
PALUXY         PALUXY RIVER   6270.81*      PF 1       944490.80      572.18      759.89                  759.92     0.000030
 1.72    664290.60     4922.73           0.02
PALUXY         PALUXY RIVER   6255.83*      PF 1       944490.80      572.17      759.89                  759.92     0.000030
 1.72    663731.30     4916.67           0.02
PALUXY         PALUXY RIVER   6240.84*      PF 1       944490.80      572.15      759.89                  759.92     0.000030
 1.72    663179.30     4910.61           0.02
PALUXY         PALUXY RIVER   6225.86*      PF 1       944490.80      572.14      759.89                  759.92     0.000030
 1.72    662619.90     4904.55           0.02
PALUXY         PALUXY RIVER   6210.87*      PF 1       944490.80      572.12      759.88                  759.92     0.000030
 1.72    662069.50     4898.49           0.02
PALUXY         PALUXY RIVER   6195.89*      PF 1       944490.80      572.11      759.88                  759.92     0.000030
 1.72    661518.60     4892.42           0.02
PALUXY         PALUXY RIVER   6180.91*      PF 1       944490.80      572.09      759.88                  759.92     0.000030
 1.73    660971.90     4886.36           0.02
PALUXY         PALUXY RIVER   6165.92*      PF 1       944490.80      572.08      759.88                  759.92     0.000030
 1.73    660414.40     4880.30           0.02
PALUXY         PALUXY RIVER   6150.94*      PF 1       944490.80      572.06      759.88                  759.92     0.000030
 1.73    659873.80     4874.24           0.02
PALUXY         PALUXY RIVER   6135.95*      PF 1       944490.80      572.05      759.88                  759.92     0.000030
 1.73    659326.10     4868.18           0.02
PALUXY         PALUXY RIVER   6120.97*      PF 1       944490.80      572.03      759.88                  759.91     0.000031
 1.73    658787.40     4862.12           0.02
PALUXY         PALUXY RIVER   6105.98*      PF 1       944490.80      572.02      759.88                  759.91     0.000031
 1.73    658249.30     4856.06           0.02
PALUXY         PALUXY RIVER   6091.00*      PF 1       944490.80      572.00      759.88                  759.91     0.000031
 1.73    657706.10     4850.00           0.02
PALUXY         PALUXY RIVER   6076.01*      PF 1       944490.80      571.98      759.88                  759.91     0.000031
 1.74    657166.60     4843.94           0.02
PALUXY         PALUXY RIVER   6061.03*      PF 1       944490.80      571.97      759.88                  759.91     0.000031
 1.74    656633.70     4837.88           0.02
PALUXY         PALUXY RIVER   6046.04*      PF 1       944490.80      571.95      759.88                  759.91     0.000031
 1.74    656100.80     4831.82           0.02
PALUXY         PALUXY RIVER   6031.06*      PF 1       944490.80      571.94      759.88                  759.91     0.000031
 1.74    655564.90     4825.76           0.02
PALUXY         PALUXY RIVER   6016.07*      PF 1       944490.80      571.92      759.88                  759.91     0.000031
 1.74    655044.80     4819.70           0.02
PALUXY         PALUXY RIVER   6001.09*      PF 1       944490.80      571.91      759.88                  759.91     0.000031
 1.74    654501.70     4813.64           0.02
PALUXY         PALUXY RIVER   5986.10*      PF 1       944490.80      571.89      759.88                  759.91     0.000031
 1.75    653976.10     4807.58           0.02
PALUXY         PALUXY RIVER   5971.12*      PF 1       944490.80      571.88      759.88                  759.91     0.000031
 1.75    653456.90     4801.52           0.02
PALUXY         PALUXY RIVER   5956.13*      PF 1       944490.80      571.86      759.88                  759.91     0.000031
 1.75    652934.10     4795.46           0.02
PALUXY         PALUXY RIVER   5941.15*      PF 1       944490.80      571.85      759.88                  759.91     0.000031
 1.75    652404.40     4789.39           0.02
PALUXY         PALUXY RIVER   5926.16*      PF 1       944490.80      571.83      759.88                  759.91     0.000031
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 1.75    651891.10     4783.33            0.02
PALUXY          PALUXY RIVER   5911.18*      PF 1       944490.80      571.82      759.88                    759.91     0.000031
 1.75    651368.80     4777.27            0.02
PALUXY          PALUXY RIVER   5896.19*      PF 1       944490.80      571.80      759.87                    759.91     0.000031
 1.76    650845.20     4771.21            0.02
PALUXY          PALUXY RIVER   5881.21*      PF 1       944490.80      571.79      759.87                    759.91     0.000031
 1.76    650339.80     4765.15            0.02
PALUXY          PALUXY RIVER   5866.22*      PF 1       944490.80      571.77      759.87                    759.91     0.000031
 1.76    649823.80     4759.09            0.02
PALUXY          PALUXY RIVER   5851.24*      PF 1       944490.80      571.76      759.87                    759.91     0.000031
 1.76    649309.60     4753.03            0.02
PALUXY          PALUXY RIVER   5836.25*      PF 1       944490.80      571.74      759.87                    759.91     0.000031
 1.76    648803.30     4746.97            0.02
PALUXY          PALUXY RIVER   5821.27*      PF 1       944490.80      571.73      759.87                    759.91     0.000031
 1.76    648290.10     4740.91            0.02
PALUXY          PALUXY RIVER   5806.29*      PF 1       944490.80      571.71      759.87                    759.91     0.000031
 1.76    647781.00     4734.85            0.02
PALUXY          PALUXY RIVER   5791.30*      PF 1       944490.80      571.70      759.87                    759.91     0.000031
 1.77    647286.90     4728.79            0.02
PALUXY          PALUXY RIVER   5776.32*      PF 1       944490.80      571.68      759.87                    759.90     0.000031
 1.77    646776.10     4722.73            0.02
PALUXY          PALUXY RIVER   5761.33*      PF 1       944490.80      571.67      759.87                    759.90     0.000032
 1.77    646270.50     4716.67            0.02
PALUXY          PALUXY RIVER   5746.35*      PF 1       944490.80      571.65      759.87                    759.90     0.000032
 1.77    645780.60     4710.61            0.02
PALUXY          PALUXY RIVER   5731.36*      PF 1       944490.80      571.64      759.87                    759.90     0.000032
 1.77    645270.50     4704.55            0.02
PALUXY          PALUXY RIVER   5716.38*      PF 1       944490.80      571.62      759.87                    759.90     0.000032
 1.77    644777.80     4698.49            0.02
PALUXY          PALUXY RIVER   5701.39*      PF 1       944490.80      571.61      759.87                    759.90     0.000032
 1.77    644286.30     4692.42            0.02
PALUXY          PALUXY RIVER   5686.41*      PF 1       944490.80      571.59      759.87                    759.90     0.000032
 1.78    643796.30     4686.36            0.02
PALUXY          PALUXY RIVER   5671.42*      PF 1       944490.80      571.58      759.87                    759.90     0.000032
 1.78    643295.10     4680.30            0.02
PALUXY          PALUXY RIVER   5656.44*      PF 1       944490.80      571.56      759.87                    759.90     0.000032
 1.78    642808.50     4674.24            0.02
PALUXY          PALUXY RIVER   5641.45*      PF 1       944490.80      571.55      759.87                    759.90     0.000032
 1.78    642322.10     4668.18            0.02
PALUXY          PALUXY RIVER   5626.47*      PF 1       944490.80      571.53      759.86                    759.90     0.000032
 1.78    641839.40     4662.12            0.02
PALUXY          PALUXY RIVER   5611.48*      PF 1       944490.80      571.52      759.86                    759.90     0.000032
 1.78    641349.60     4656.06            0.02
PALUXY          PALUXY RIVER   5596.50*      PF 1       944490.80      571.50      759.86                    759.90     0.000032
 1.78    640868.90     4650.00            0.02
PALUXY          PALUXY RIVER   5581.51*      PF 1       944490.80      571.48      759.86                    759.90     0.000032
 1.79    640384.00     4643.94            0.02
PALUXY          PALUXY RIVER   5566.53*      PF 1       944490.80      571.47      759.86                    759.90     0.000032
 1.79    639909.90     4637.88            0.02
PALUXY          PALUXY RIVER   5551.54*      PF 1       944490.80      571.45      759.86                    759.90     0.000032
 1.79    639434.40     4631.82            0.02
PALUXY          PALUXY RIVER   5536.56*      PF 1       944490.80      571.44      759.86                    759.90     0.000032
 1.79    638954.30     4625.76            0.02
PALUXY          PALUXY RIVER   5521.57*      PF 1       944490.80      571.42      759.86                    759.90     0.000032
 1.79    638487.10     4619.70            0.02
PALUXY          PALUXY RIVER   5506.59*      PF 1       944490.80      571.41      759.86                    759.90     0.000032
 1.79    638005.00     4613.64            0.02
PALUXY          PALUXY RIVER   5491.60*      PF 1       944490.80      571.39      759.86                    759.89     0.000032
 1.79    637533.50     4607.58            0.02
PALUXY          PALUXY RIVER   5476.62*      PF 1       944490.80      571.38      759.86                    759.89     0.000032
 1.80    637067.40     4601.52            0.02
PALUXY          PALUXY RIVER   5461.63*      PF 1       944490.80      571.36      759.86                    759.89     0.000032
 1.80    636602.90     4595.46            0.02
PALUXY          PALUXY RIVER   5446.65*      PF 1       944490.80      571.35      759.86                    759.89     0.000032
 1.80    636133.50     4589.40            0.02
PALUXY          PALUXY RIVER   5431.66*      PF 1       944490.80      571.33      759.86                    759.89     0.000032
 1.80    635673.70     4583.33            0.02
PALUXY          PALUXY RIVER   5416.68*      PF 1       944490.80      571.32      759.86                    759.89     0.000032
 1.80    635207.80     4577.27            0.02
PALUXY          PALUXY RIVER   5401.69*      PF 1       944490.80      571.30      759.86                    759.89     0.000032
 1.80    634749.10     4571.21            0.02
PALUXY          PALUXY RIVER   5386.71*      PF 1       944490.80      571.29      759.86                    759.89     0.000032
 1.80    634292.10     4565.15            0.02
PALUXY          PALUXY RIVER   5371.72*      PF 1       944490.80      571.27      759.86                    759.89     0.000032
 1.80    633834.40     4559.09            0.02
PALUXY          PALUXY RIVER   5356.74*      PF 1       944490.80      571.26      759.86                    759.89     0.000033
 1.81    633375.90     4553.03            0.02
PALUXY          PALUXY RIVER   5341.76*      PF 1       944490.80      571.24      759.85                    759.89     0.000033
 1.81    632922.60     4546.97            0.02
PALUXY          PALUXY RIVER   5326.77*      PF 1       944490.80      571.23      759.85                    759.89     0.000033
 1.81    632469.40     4540.91            0.02
PALUXY          PALUXY RIVER   5311.79*      PF 1       944490.80      571.21      759.85                    759.89     0.000033
 1.81    632018.40     4534.85            0.02
PALUXY          PALUXY RIVER   5296.80*      PF 1       944490.80      571.20      759.85                    759.89     0.000033
 1.81    631580.30     4528.79            0.02
PALUXY          PALUXY RIVER   5281.82*      PF 1       944490.80      571.18      759.85                    759.89     0.000033
 1.81    631126.80     4522.73            0.02
PALUXY          PALUXY RIVER   5266.83*      PF 1       944490.80      571.17      759.85                    759.89     0.000033
 1.81    630680.30     4516.67            0.02
PALUXY          PALUXY RIVER   5251.85*      PF 1       944490.80      571.15      759.85                    759.89     0.000033
 1.81    630243.90     4510.61            0.02
PALUXY          PALUXY RIVER   5236.86*      PF 1       944490.80      571.14      759.85                    759.89     0.000033
 1.82    629793.20     4504.55            0.02
PALUXY          PALUXY RIVER   5221.88*      PF 1       944490.80      571.12      759.85                    759.89     0.000033
 1.82    629354.30     4498.49            0.02
PALUXY          PALUXY RIVER   5206.89*      PF 1       944490.80      571.11      759.85                    759.89     0.000033
 1.82    628922.00     4492.43            0.02
PALUXY          PALUXY RIVER   5191.91*      PF 1       944490.80      571.09      759.85                    759.88     0.000033
 1.82    628479.60     4486.36            0.02
PALUXY          PALUXY RIVER   5176.92*      PF 1       944490.80      571.08      759.85                    759.88     0.000033
 1.82    628042.50     4480.30            0.02
PALUXY          PALUXY RIVER   5161.94*      PF 1       944490.80      571.06      759.85                    759.88     0.000033
 1.82    627618.30     4474.24            0.02
PALUXY          PALUXY RIVER   5146.95*      PF 1       944490.80      571.05      759.85                    759.88     0.000033
 1.82    627180.90     4468.18            0.02
PALUXY          PALUXY RIVER   5131.97*      PF 1       944490.80      571.03      759.85                    759.88     0.000033
 1.82    626754.40     4462.12            0.02
PALUXY          PALUXY RIVER   5116.98*      PF 1       944490.80      571.02      759.85                    759.88     0.000033
 1.82    626327.80     4456.06            0.02
PALUXY          PALUXY RIVER   5102          PF 1       944490.80      571.00      759.85                    759.88     0.000033
 1.83    625900.90     4450.00            0.02
PALUXY          LOWER PALUXY   3838          PF 1      1188283.00      568.00      759.79                    759.87     0.000077
 2.76    535293.90     4150.00            0.04
PALUXY          LOWER PALUXY   3739.53*      PF 1      1188283.00      567.92      759.79                    759.87     0.000075
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 2.73    540918.40     4203.85            0.04
PALUXY          LOWER PALUXY   3641.07*      PF 1      1188283.00      567.85      759.78                  759.86     0.000074
 2.70    546383.40     4257.69            0.03
PALUXY          LOWER PALUXY   3542.61*      PF 1      1188283.00      567.77      759.77                  759.85     0.000072
 2.67    551710.50     4311.54            0.03
PALUXY          LOWER PALUXY   3444.15*      PF 1      1188283.00      567.69      759.77                  759.84     0.000071
 2.64    556884.90     4365.38            0.03
PALUXY          LOWER PALUXY   3345.69*      PF 1      1188283.00      567.62      759.76                  759.84     0.000069
 2.61    561905.40     4419.23            0.03
PALUXY          LOWER PALUXY   3247.23*      PF 1      1188283.00      567.54      759.76                  759.83     0.000068
 2.59    566784.20     4473.08            0.03
PALUXY          LOWER PALUXY   3148.76*      PF 1      1188283.00      567.46      759.75                  759.82     0.000067
 2.56    571502.50     4526.92            0.03
PALUXY          LOWER PALUXY   3050.30*      PF 1      1188283.00      567.38      759.74                  759.81     0.000066
 2.54    576073.90     4580.77            0.03
PALUXY          LOWER PALUXY   2951.84*      PF 1      1188283.00      567.31      759.74                  759.81     0.000065
 2.51    580495.90     4634.62            0.03
PALUXY          LOWER PALUXY   2853.38*      PF 1      1188283.00      567.23      759.73                  759.80     0.000064
 2.49    584766.70     4688.46            0.03
PALUXY          LOWER PALUXY   2754.92*      PF 1      1188283.00      567.15      759.73                  759.79     0.000063
 2.47    588893.50     4742.31            0.03
PALUXY          LOWER PALUXY   2656.46*      PF 1      1188283.00      567.08      759.72                  759.79     0.000062
 2.45    592871.40     4796.15            0.03
PALUXY          LOWER PALUXY   2558          PF 1      1188283.00      567.00      759.72                  759.78     0.000061
 2.43    596698.20     4850.00            0.03
PALUXY          LOWER PALUXY   2533.24*      PF 1      1188283.00      566.98      759.71                  759.78     0.000060
 2.42    598533.10     4874.24            0.03
PALUXY          LOWER PALUXY   2508.48*      PF 1      1188283.00      566.97      759.71                  759.78     0.000060
 2.42    600371.10     4898.48            0.03
PALUXY          LOWER PALUXY   2483.72*      PF 1      1188283.00      566.95      759.71                  759.78     0.000060
 2.41    602239.20     4922.73            0.03
PALUXY          LOWER PALUXY   2458.97*      PF 1      1188283.00      566.94      759.71                  759.78     0.000060
 2.40    604098.30     4946.97            0.03
PALUXY          LOWER PALUXY   2434.21*      PF 1      1188283.00      566.92      759.71                  759.77     0.000059
 2.40    605987.10     4971.21            0.03
PALUXY          LOWER PALUXY   2409.45*      PF 1      1188283.00      566.91      759.71                  759.77     0.000059
 2.39    607881.30     4995.45            0.03
PALUXY          LOWER PALUXY   2384.69*      PF 1      1188283.00      566.89      759.71                  759.77     0.000059
 2.38    609794.40     5019.70            0.03
PALUXY          LOWER PALUXY   2359.93*      PF 1      1188283.00      566.88      759.71                  759.77     0.000059
 2.38    611717.80     5043.94            0.03
PALUXY          LOWER PALUXY   2335.18*      PF 1      1188283.00      566.86      759.71                  759.77     0.000058
 2.37    613658.40     5068.18            0.03
PALUXY          LOWER PALUXY   2310.42*      PF 1      1188283.00      566.85      759.70                  759.77     0.000058
 2.36    615599.30     5092.42            0.03
PALUXY          LOWER PALUXY   2285.66*      PF 1      1188283.00      566.83      759.70                  759.76     0.000058
 2.36    617573.30     5116.67            0.03
PALUXY          LOWER PALUXY   2260.90*      PF 1      1188283.00      566.82      759.70                  759.76     0.000057
 2.35    619552.50     5140.91            0.03
PALUXY          LOWER PALUXY   2236.15*      PF 1      1188283.00      566.80      759.70                  759.76     0.000057
 2.35    621537.90     5165.15            0.03
PALUXY          LOWER PALUXY   2211.39*      PF 1      1188283.00      566.79      759.70                  759.76     0.000057
 2.34    623538.80     5189.39            0.03
PALUXY          LOWER PALUXY   2186.63*      PF 1      1188283.00      566.77      759.70                  759.76     0.000057
 2.33    625560.10     5213.64            0.03
PALUXY          LOWER PALUXY   2161.87*      PF 1      1188283.00      566.76      759.70                  759.76     0.000056
 2.33    627590.70     5237.88            0.03
PALUXY          LOWER PALUXY   2137.12*      PF 1      1188283.00      566.74      759.70                  759.76     0.000056
 2.32    629631.60     5262.12            0.03
PALUXY          LOWER PALUXY   2112.36*      PF 1      1188283.00      566.73      759.69                  759.75     0.000056
 2.31    631691.80     5286.36            0.03
PALUXY          LOWER PALUXY   2087.60*      PF 1      1188283.00      566.71      759.69                  759.75     0.000055
 2.31    633761.30     5310.61            0.03
PALUXY          LOWER PALUXY   2062.84*      PF 1      1188283.00      566.70      759.69                  759.75     0.000055
 2.30    635848.30     5334.85            0.03
PALUXY          LOWER PALUXY   2038.09*      PF 1      1188283.00      566.68      759.69                  759.75     0.000055
 2.29    637936.40     5359.09            0.03
PALUXY          LOWER PALUXY   2013.33*      PF 1      1188283.00      566.67      759.69                  759.75     0.000055
 2.29    640046.00     5383.33            0.03
PALUXY          LOWER PALUXY   1988.57*      PF 1      1188283.00      566.65      759.69                  759.75     0.000054
 2.28    642181.60     5407.58            0.03
PALUXY          LOWER PALUXY   1963.81*      PF 1      1188283.00      566.64      759.69                  759.75     0.000054
 2.27    644307.80     5431.82            0.03
PALUXY          LOWER PALUXY   1939.06*      PF 1      1188283.00      566.62      759.69                  759.74     0.000054
 2.27    646464.40     5456.06            0.03
PALUXY          LOWER PALUXY   1914.30*      PF 1      1188283.00      566.61      759.69                  759.74     0.000053
 2.26    648624.90     5480.30            0.03
PALUXY          LOWER PALUXY   1889.54*      PF 1      1188283.00      566.59      759.68                  759.74     0.000053
 2.25    650805.10     5504.55            0.03
PALUXY          LOWER PALUXY   1864.78*      PF 1      1188283.00      566.58      759.68                  759.74     0.000053
 2.25    652986.80     5528.79            0.03
PALUXY          LOWER PALUXY   1840.03*      PF 1      1188283.00      566.56      759.68                  759.74     0.000053
 2.24    655197.40     5553.03            0.03
PALUXY          LOWER PALUXY   1815.27*      PF 1      1188283.00      566.55      759.68                  759.74     0.000052
 2.23    657404.60     5577.27            0.03
PALUXY          LOWER PALUXY   1790.51*      PF 1      1188283.00      566.53      759.68                  759.74     0.000052
 2.23    659639.50     5601.52            0.03
PALUXY          LOWER PALUXY   1765.75*      PF 1      1188283.00      566.52      759.68                  759.73     0.000052
 2.22    661882.00     5625.76            0.03
PALUXY          LOWER PALUXY   1741.*        PF 1      1188283.00      566.50      759.68                  759.73     0.000051
 2.21    664141.80     5650.00            0.03
PALUXY          LOWER PALUXY   1716.24*      PF 1      1188283.00      566.48      759.68                  759.73     0.000051
 2.21    666417.00     5674.24            0.03
PALUXY          LOWER PALUXY   1691.48*      PF 1      1188283.00      566.47      759.68                  759.73     0.000051
 2.20    668695.00     5698.48            0.03
PALUXY          LOWER PALUXY   1666.72*      PF 1      1188283.00      566.45      759.68                  759.73     0.000051
 2.19    670993.60     5722.73            0.03
PALUXY          LOWER PALUXY   1641.97*      PF 1      1188283.00      566.44      759.67                  759.73     0.000050
 2.19    673300.00     5746.97            0.03
PALUXY          LOWER PALUXY   1617.21*      PF 1      1188283.00      566.42      759.67                  759.73     0.000050
 2.18    675624.40     5771.21            0.03
PALUXY          LOWER PALUXY   1592.45*      PF 1      1188283.00      566.41      759.67                  759.72     0.000050
 2.17    677955.70     5795.45            0.03
PALUXY          LOWER PALUXY   1567.69*      PF 1      1188283.00      566.39      759.67                  759.72     0.000050
 2.16    680315.60     5819.70            0.03
PALUXY          LOWER PALUXY   1542.94*      PF 1      1188283.00      566.38      759.67                  759.72     0.000049
 2.16    682674.10     5843.94            0.03
PALUXY          LOWER PALUXY   1518.18*      PF 1      1188283.00      566.36      759.67                  759.72     0.000049
 2.15    685053.20     5868.18            0.03
PALUXY          LOWER PALUXY   1493.42*      PF 1      1188283.00      566.35      759.67                  759.72     0.000049
 2.14    687435.60     5892.42            0.03
PALUXY          LOWER PALUXY   1468.66*      PF 1      1188283.00      566.33      759.67                  759.72     0.000048
 2.14    689843.40     5916.67            0.03
PALUXY          LOWER PALUXY   1443.91*      PF 1      1188283.00      566.32      759.67                  759.72     0.000048
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 2.13    692266.40     5940.91           0.03
PALUXY          LOWER PALUXY   1419.15*      PF 1      1188283.00      566.30      759.67                  759.72     0.000048
 2.12    694684.90     5965.15           0.03
PALUXY          LOWER PALUXY   1394.39*      PF 1      1188283.00      566.29      759.66                  759.71     0.000048
 2.12    697133.00     5989.39           0.03
PALUXY          LOWER PALUXY   1369.63*      PF 1      1188283.00      566.27      759.66                  759.71     0.000047
 2.11    699589.60     6013.64           0.03
PALUXY          LOWER PALUXY   1344.87*      PF 1      1188283.00      566.26      759.66                  759.71     0.000047
 2.10    702057.20     6037.88           0.03
PALUXY          LOWER PALUXY   1320.12*      PF 1      1188283.00      566.24      759.66                  759.71     0.000047
 2.10    704539.10     6062.12           0.03
PALUXY          LOWER PALUXY   1295.36*      PF 1      1188283.00      566.23      759.66                  759.71     0.000046
 2.09    707036.30     6086.36           0.03
PALUXY          LOWER PALUXY   1270.60*      PF 1      1188283.00      566.21      759.66                  759.71     0.000046
 2.08    709550.40     6110.61           0.03
PALUXY          LOWER PALUXY   1245.84*      PF 1      1188283.00      566.20      759.66                  759.71     0.000046
 2.08    712071.30     6134.85           0.03
PALUXY          LOWER PALUXY   1221.09*      PF 1      1188283.00      566.18      759.66                  759.71     0.000046
 2.07    714599.90     6159.09           0.03
PALUXY          LOWER PALUXY   1196.33*      PF 1      1188283.00      566.17      759.66                  759.70     0.000045
 2.06    717152.60     6183.33           0.03
PALUXY          LOWER PALUXY   1171.57*      PF 1      1188283.00      566.15      759.66                  759.70     0.000045
 2.05    719717.60     6207.58           0.03
PALUXY          LOWER PALUXY   1146.81*      PF 1      1188283.00      566.14      759.66                  759.70     0.000045
 2.05    722292.60     6231.82           0.03
PALUXY          LOWER PALUXY   1122.06*      PF 1      1188283.00      566.12      759.65                  759.70     0.000044
 2.04    724886.10     6256.06           0.03
PALUXY          LOWER PALUXY   1097.30*      PF 1      1188283.00      566.11      759.65                  759.70     0.000044
 2.03    727480.60     6280.30           0.03
PALUXY          LOWER PALUXY   1072.54*      PF 1      1188283.00      566.09      759.65                  759.70     0.000044
 2.03    730104.80     6304.54           0.03
PALUXY          LOWER PALUXY   1047.78*      PF 1      1188283.00      566.08      759.65                  759.70     0.000044
 2.02    732733.60     6328.79           0.03
PALUXY          LOWER PALUXY   1023.03*      PF 1      1188283.00      566.06      759.65                  759.70     0.000043
 2.01    735372.50     6353.03           0.03
PALUXY          LOWER PALUXY   998.273*      PF 1      1188283.00      566.05      759.65                  759.69     0.000043
 2.01    738025.10     6377.27           0.03
PALUXY          LOWER PALUXY   973.516*      PF 1      1188283.00      566.03      759.65                  759.69     0.000043
 2.00    740696.40     6401.51           0.03
PALUXY          LOWER PALUXY   948.758*      PF 1      1188283.00      566.02      759.65                  759.69     0.000043
 1.99    743376.30     6425.76           0.03
PALUXY          LOWER PALUXY   924           PF 1      1188283.00      566.00      759.65                  759.69     0.000042
 1.98    746077.30     6450.00           0.03
PALUXY          LOWER PALUXY   921.058*      PF 1      1188283.00      565.94      759.65                  759.69     0.000042
 1.98    746093.10     6450.00           0.03
PALUXY          LOWER PALUXY   918.117*      PF 1      1188283.00      565.88      759.65                  759.69     0.000042
 1.98    746108.70     6450.00           0.03
PALUXY          LOWER PALUXY   915.176*      PF 1      1188283.00      565.82      759.65                  759.69     0.000042
 1.98    746124.40     6450.00           0.03
PALUXY          LOWER PALUXY   912.235*      PF 1      1188283.00      565.76      759.65                  759.69     0.000042
 1.98    746140.20     6450.00           0.03
PALUXY          LOWER PALUXY   909.294*      PF 1      1188283.00      565.71      759.65                  759.69     0.000042
 1.98    746153.10     6450.00           0.03
PALUXY          LOWER PALUXY   906.353*      PF 1      1188283.00      565.65      759.65                  759.69     0.000042
 1.98    746168.80     6450.00           0.03
PALUXY          LOWER PALUXY   903.411*      PF 1      1188283.00      565.59      759.65                  759.69     0.000042
 1.98    746184.60     6450.00           0.03
PALUXY          LOWER PALUXY   900.470*      PF 1      1188283.00      565.53      759.65                  759.69     0.000042
 1.98    746200.30     6450.00           0.03
PALUXY          LOWER PALUXY   897.529*      PF 1      1188283.00      565.47      759.65                  759.69     0.000042
 1.99    746216.00     6450.00           0.03
PALUXY          LOWER PALUXY   894.588*      PF 1      1188283.00      565.41      759.65                  759.69     0.000042
 1.99    746231.70     6450.00           0.03
PALUXY          LOWER PALUXY   891.647*      PF 1      1188283.00      565.35      759.65                  759.69     0.000042
 1.99    746247.40     6450.00           0.03
PALUXY          LOWER PALUXY   888.705*      PF 1      1188283.00      565.29      759.65                  759.69     0.000042
 1.99    746263.10     6450.00           0.03
PALUXY          LOWER PALUXY   885.764*      PF 1      1188283.00      565.24      759.65                  759.69     0.000042
 1.99    746276.10     6450.00           0.03
PALUXY          LOWER PALUXY   882.823*      PF 1      1188283.00      565.18      759.65                  759.69     0.000042
 1.99    746291.80     6450.00           0.03
PALUXY          LOWER PALUXY   879.882*      PF 1      1188283.00      565.12      759.65                  759.69     0.000042
 1.99    746307.50     6450.00           0.03
PALUXY          LOWER PALUXY   876.941*      PF 1      1188283.00      565.06      759.65                  759.69     0.000042
 1.99    746323.20     6450.00           0.03
PALUXY          LOWER PALUXY   874           PF 1      1188283.00      565.00      759.65                  759.69     0.000042
 1.99    746338.90     6450.00           0.03
BRAZOS RIVER    LOWER BRAZOS   268430        PF 1      8003133.00      565.50      759.50                  759.64     0.000283
 5.48   2861595.00    45259.88           0.07
BRAZOS RIVER    LOWER BRAZOS   268425.*      PF 1      8003133.00      565.50      759.50                  759.64     0.000283
 5.48   2861429.00    45266.58           0.07
BRAZOS RIVER    LOWER BRAZOS   268420.*      PF 1      8003133.00      565.50      759.49                  759.64     0.000283
 5.48   2861216.00    45273.27           0.07
BRAZOS RIVER    LOWER BRAZOS   268415.*      PF 1      8003133.00      565.50      759.49                  759.64     0.000283
 5.48   2861035.00    45280.13           0.07
BRAZOS RIVER    LOWER BRAZOS   268410.*      PF 1      8003133.00      565.49      759.49                  759.63     0.000283
 5.48   2860875.00    45286.73           0.07
BRAZOS RIVER    LOWER BRAZOS   268405.*      PF 1      8003133.00      565.49      759.49                  759.63     0.000283
 5.48   2860680.00    45293.58           0.07
BRAZOS RIVER    LOWER BRAZOS   268400.*      PF 1      8003133.00      565.49      759.49                  759.63     0.000283
 5.48   2860485.00    45300.16           0.07
BRAZOS RIVER    LOWER BRAZOS   268395.*      PF 1      8003133.00      565.49      759.49                  759.63     0.000284
 5.48   2860281.00    45306.95           0.07
BRAZOS RIVER    LOWER BRAZOS   268390.*      PF 1      8003133.00      565.49      759.49                  759.63     0.000284
 5.48   2860118.00    45313.62           0.07
BRAZOS RIVER    LOWER BRAZOS   268385.*      PF 1      8003133.00      565.49      759.48                  759.63     0.000284
 5.48   2859927.00    45320.40           0.07
BRAZOS RIVER    LOWER BRAZOS   268380.*      PF 1      8003133.00      565.48      759.48                  759.63     0.000284
 5.48   2859729.00    45327.16           0.07
BRAZOS RIVER    LOWER BRAZOS   268375.*      PF 1      8003133.00      565.48      759.48                  759.62     0.000284
 5.48   2859522.00    45333.75           0.07
BRAZOS RIVER    LOWER BRAZOS   268370.*      PF 1      8003133.00      565.48      759.48                  759.62     0.000284
 5.49   2859386.00    45340.60           0.07
BRAZOS RIVER    LOWER BRAZOS   268365.*      PF 1      8003133.00      565.48      759.48                  759.62     0.000284
 5.49   2859185.00    45347.28           0.07
BRAZOS RIVER    LOWER BRAZOS   268360.*      PF 1      8003133.00      565.48      759.48                  759.62     0.000284
 5.49   2858986.00    45353.97           0.07
BRAZOS RIVER    LOWER BRAZOS   268355.*      PF 1      8003133.00      565.48      759.47                  759.62     0.000284
 5.49   2858808.00    45360.64           0.07
BRAZOS RIVER    LOWER BRAZOS   268350.*      PF 1      8003133.00      565.47      759.47                  759.62     0.000284
 5.49   2858623.00    45367.41           0.07
BRAZOS RIVER    LOWER BRAZOS   268345.*      PF 1      8003133.00      565.47      759.47                  759.62     0.000284
 5.49   2858422.00    45374.26           0.07
BRAZOS RIVER    LOWER BRAZOS   268340.*      PF 1      8003133.00      565.47      759.47                  759.61     0.000284
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 5.49   2858215.00    45380.84            0.07
BRAZOS RIVER   LOWER BRAZOS   268335.*      PF 1      8003133.00      565.47      759.47                  759.61     0.000284
 5.49   2858055.00    45387.61            0.07
BRAZOS RIVER   LOWER BRAZOS   268330.*      PF 1      8003133.00      565.47      759.47                  759.61     0.000285
 5.49   2857829.00    45394.27            0.07
BRAZOS RIVER   LOWER BRAZOS   268325.*      PF 1      8003133.00      565.47      759.47                  759.61     0.000285
 5.49   2857647.00    45400.95            0.07
BRAZOS RIVER   LOWER BRAZOS   268320.*      PF 1      8003133.00      565.46      759.46                  759.61     0.000285
 5.49   2857447.00    45407.62            0.07
BRAZOS RIVER   LOWER BRAZOS   268315.*      PF 1      8003133.00      565.46      759.46                  759.61     0.000285
 5.49   2857266.00    45414.47            0.07
BRAZOS RIVER   LOWER BRAZOS   268310.*      PF 1      8003133.00      565.46      759.46                  759.61     0.000285
 5.49   2857083.00    45421.24            0.07
BRAZOS RIVER   LOWER BRAZOS   268305.*      PF 1      8003133.00      565.46      759.46                  759.60     0.000285
 5.49   2856888.00    45427.82            0.07
BRAZOS RIVER   LOWER BRAZOS   268300.*      PF 1      8003133.00      565.46      759.46                  759.60     0.000285
 5.49   2856675.00    45434.58            0.07
BRAZOS RIVER   LOWER BRAZOS   268295.*      PF 1      8003133.00      565.46      759.46                  759.60     0.000285
 5.50   2856517.00    45441.25            0.07
BRAZOS RIVER   LOWER BRAZOS   268290.*      PF 1      8003133.00      565.45      759.46                  759.60     0.000285
 5.50   2856331.00    45448.09            0.07
BRAZOS RIVER   LOWER BRAZOS   268285.*      PF 1      8003133.00      565.45      759.45                  759.60     0.000285
 5.50   2856111.00    45454.59            0.07
BRAZOS RIVER   LOWER BRAZOS   268280.*      PF 1      8003133.00      565.45      759.45                  759.60     0.000285
 5.50   2855931.00    45461.43            0.07
BRAZOS RIVER   LOWER BRAZOS   268275.*      PF 1      8003133.00      565.45      759.45                  759.60     0.000285
 5.50   2855749.00    45468.02            0.07
BRAZOS RIVER   LOWER BRAZOS   268270.*      PF 1      8003133.00      565.45      759.45                  759.59     0.000285
 5.50   2855548.00    45474.87            0.07
BRAZOS RIVER   LOWER BRAZOS   268265.*      PF 1      8003133.00      565.45      759.45                  759.59     0.000286
 5.50   2855349.00    45481.54            0.07
BRAZOS RIVER   LOWER BRAZOS   268260.*      PF 1      8003133.00      565.44      759.45                  759.59     0.000286
 5.50   2855182.00    45488.20            0.07
BRAZOS RIVER   LOWER BRAZOS   268255.*      PF 1      8003133.00      565.44      759.45                  759.59     0.000286
 5.50   2854978.00    45495.04            0.07
BRAZOS RIVER   LOWER BRAZOS   268250.*      PF 1      8003133.00      565.44      759.44                  759.59     0.000286
 5.50   2854796.00    45501.63            0.07
BRAZOS RIVER   LOWER BRAZOS   268245.*      PF 1      8003133.00      565.44      759.44                  759.59     0.000286
 5.50   2854567.00    45508.38            0.07
BRAZOS RIVER   LOWER BRAZOS   268240.*      PF 1      8003133.00      565.44      759.44                  759.59     0.000286
 5.50   2854401.00    45514.96            0.07
BRAZOS RIVER   LOWER BRAZOS   268235.*      PF 1      8003133.00      565.44      759.44                  759.58     0.000286
 5.50   2854211.00    45521.80            0.07
BRAZOS RIVER   LOWER BRAZOS   268230.*      PF 1      8003133.00      565.43      759.44                  759.58     0.000286
 5.50   2854011.00    45528.55            0.07
BRAZOS RIVER   LOWER BRAZOS   268225.*      PF 1      8003133.00      565.43      759.44                  759.58     0.000286
 5.50   2853829.00    45535.13            0.07
BRAZOS RIVER   LOWER BRAZOS   268220.*      PF 1      8003133.00      565.43      759.44                  759.58     0.000286
 5.50   2853665.00    45541.96            0.07
BRAZOS RIVER   LOWER BRAZOS   268215.*      PF 1      8003133.00      565.43      759.43                  759.58     0.000286
 5.51   2853450.00    45548.55            0.07
BRAZOS RIVER   LOWER BRAZOS   268210.*      PF 1      8003133.00      565.43      759.43                  759.58     0.000286
 5.51   2853255.00    45555.30            0.07
BRAZOS RIVER   LOWER BRAZOS   268205.*      PF 1      8003133.00      565.43      759.43                  759.58     0.000286
 5.51   2853047.00    45561.96            0.07
BRAZOS RIVER   LOWER BRAZOS   268200.*      PF 1      8003133.00      565.42      759.43                  759.57     0.000287
 5.51   2852866.00    45568.72            0.07
BRAZOS RIVER   LOWER BRAZOS   268195.*      PF 1      8003133.00      565.42      759.43                  759.57     0.000287
 5.51   2852674.00    45575.55            0.07
BRAZOS RIVER   LOWER BRAZOS   268190.*      PF 1      8003133.00      565.42      759.43                  759.57     0.000287
 5.51   2852468.00    45582.04            0.07
BRAZOS RIVER   LOWER BRAZOS   268185.*      PF 1      8003133.00      565.42      759.43                  759.57     0.000287
 5.51   2852249.00    45588.88            0.07
BRAZOS RIVER   LOWER BRAZOS   268180.*      PF 1      8003133.00      565.42      759.42                  759.57     0.000287
 5.51   2852099.00    45595.45            0.07
BRAZOS RIVER   LOWER BRAZOS   268175.*      PF 1      8003133.00      565.42      759.42                  759.57     0.000287
 5.51   2851877.00    45602.27            0.07
BRAZOS RIVER   LOWER BRAZOS   268170.*      PF 1      8003133.00      565.41      759.42                  759.57     0.000287
 5.51   2851686.00    45608.85            0.07
BRAZOS RIVER   LOWER BRAZOS   268165.*      PF 1      8003133.00      565.41      759.42                  759.56     0.000287
 5.51   2851512.00    45615.61            0.07
BRAZOS RIVER   LOWER BRAZOS   268160.*      PF 1      8003133.00      565.41      759.42                  759.56     0.000287
 5.51   2851305.00    45622.43            0.07
BRAZOS RIVER   LOWER BRAZOS   268155.*      PF 1      8003133.00      565.41      759.42                  759.56     0.000287
 5.51   2851093.00    45629.01            0.07
BRAZOS RIVER   LOWER BRAZOS   268150.*      PF 1      8003133.00      565.41      759.41                  759.56     0.000287
 5.51   2850883.00    45635.75            0.07
BRAZOS RIVER   LOWER BRAZOS   268145.*      PF 1      8003133.00      565.41      759.41                  759.56     0.000287
 5.51   2850722.00    45642.41            0.07
BRAZOS RIVER   LOWER BRAZOS   268140.*      PF 1      8003133.00      565.40      759.41                  759.56     0.000288
 5.52   2850507.00    45649.15            0.07
BRAZOS RIVER   LOWER BRAZOS   268135.*      PF 1      8003133.00      565.40      759.41                  759.56     0.000288
 5.52   2850302.00    45655.80            0.07
BRAZOS RIVER   LOWER BRAZOS   268130.*      PF 1      8003133.00      565.40      759.41                  759.55     0.000288
 5.52   2850092.00    45662.47            0.07
BRAZOS RIVER   LOWER BRAZOS   268125.*      PF 1      8003133.00      565.40      759.41                  759.55     0.000288
 5.52   2849901.00    45669.30            0.07
BRAZOS RIVER   LOWER BRAZOS   268120.*      PF 1      8003133.00      565.40      759.41                  759.55     0.000288
 5.52   2849728.00    45675.95            0.07
BRAZOS RIVER   LOWER BRAZOS   268115.*      PF 1      8003133.00      565.40      759.40                  759.55     0.000288
 5.52   2849496.00    45682.61            0.07
BRAZOS RIVER   LOWER BRAZOS   268110.*      PF 1      8003133.00      565.40      759.40                  759.55     0.000288
 5.52   2849300.00    45689.26            0.07
BRAZOS RIVER   LOWER BRAZOS   268105.*      PF 1      8003133.00      565.39      759.40                  759.55     0.000288
 5.52   2849140.00    45696.00            0.07
BRAZOS RIVER   LOWER BRAZOS   268100.*      PF 1      8003133.00      565.39      759.40                  759.55     0.000288
 5.52   2848909.00    45702.66            0.07
BRAZOS RIVER   LOWER BRAZOS   268095.*      PF 1      8003133.00      565.39      759.40                  759.54     0.000288
 5.52   2848704.00    45709.32            0.07
BRAZOS RIVER   LOWER BRAZOS   268090.*      PF 1      8003133.00      565.39      759.40                  759.54     0.000288
 5.52   2848532.00    45715.97            0.07
BRAZOS RIVER   LOWER BRAZOS   268085.*      PF 1      8003133.00      565.39      759.40                  759.54     0.000288
 5.52   2848329.00    45722.79            0.07
BRAZOS RIVER   LOWER BRAZOS   268080.*      PF 1      8003133.00      565.39      759.39                  759.54     0.000288
 5.52   2848111.00    45729.53            0.07
BRAZOS RIVER   LOWER BRAZOS   268075.*      PF 1      8003133.00      565.38      759.39                  759.54     0.000289
 5.52   2847933.00    45736.09            0.07
BRAZOS RIVER   LOWER BRAZOS   268070.*      PF 1      8003133.00      565.38      759.39                  759.54     0.000289
 5.53   2847732.00    45742.83            0.07
BRAZOS RIVER   LOWER BRAZOS   268065.*      PF 1      8003133.00      565.38      759.39                  759.54     0.000289
 5.53   2847526.00    45749.48            0.07
BRAZOS RIVER   LOWER BRAZOS   268060.*      PF 1      8003133.00      565.38      759.39                  759.53     0.000289
 5.53   2847344.00    45756.29            0.07
BRAZOS RIVER   LOWER BRAZOS   268055.*      PF 1      8003133.00      565.38      759.39                  759.53     0.000289
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 5.53   2847111.00    45762.79           0.07
BRAZOS RIVER   LOWER BRAZOS   268050.*      PF 1      8003133.00      565.38      759.39                  759.53     0.000289
 5.53   2846929.00    45769.61           0.07
BRAZOS RIVER   LOWER BRAZOS   268045.*      PF 1      8003133.00      565.37      759.38                  759.53     0.000289
 5.53   2846738.00    45776.34           0.07
BRAZOS RIVER   LOWER BRAZOS   268040.*      PF 1      8003133.00      565.37      759.38                  759.53     0.000289
 5.53   2846523.00    45782.99           0.07
BRAZOS RIVER   LOWER BRAZOS   268035.*      PF 1      8003133.00      565.37      759.38                  759.53     0.000289
 5.53   2846329.00    45789.73           0.07
BRAZOS RIVER   LOWER BRAZOS   268030.*      PF 1      8003133.00      565.37      759.38                  759.53     0.000289
 5.53   2846146.00    45796.29           0.07
BRAZOS RIVER   LOWER BRAZOS   268025.*      PF 1      8003133.00      565.37      759.38                  759.52     0.000289
 5.53   2845910.00    45803.10           0.07
BRAZOS RIVER   LOWER BRAZOS   268020.*      PF 1      8003133.00      565.37      759.38                  759.52     0.000289
 5.53   2845723.00    45809.59           0.07
BRAZOS RIVER   LOWER BRAZOS   268015.*      PF 1      8003133.00      565.36      759.38                  759.52     0.000290
 5.53   2845518.00    45816.40           0.07
BRAZOS RIVER   LOWER BRAZOS   268010.*      PF 1      8003133.00      565.36      759.37                  759.52     0.000290
 5.53   2845324.00    45823.22           0.07
BRAZOS RIVER   LOWER BRAZOS   268005.*      PF 1      8003133.00      565.36      759.37                  759.52     0.000290
 5.53   2845120.00    45829.77           0.07
BRAZOS RIVER   LOWER BRAZOS   268000.*      PF 1      8003133.00      565.36      759.37                  759.52     0.000290
 5.53   2844912.00    45836.51           0.07
BRAZOS RIVER   LOWER BRAZOS   267995.*      PF 1      8003133.00      565.36      759.37                  759.52     0.000290
 5.54   2844705.00    45843.07           0.07
BRAZOS RIVER   LOWER BRAZOS   267990.*      PF 1      8003133.00      565.36      759.37                  759.51     0.000290
 5.54   2844534.00    45849.88           0.07
BRAZOS RIVER   LOWER BRAZOS   267985.*      PF 1      8003133.00      565.35      759.37                  759.51     0.000290
 5.54   2844309.00    45856.43           0.07
BRAZOS RIVER   LOWER BRAZOS   267980.*      PF 1      8003133.00      565.35      759.36                  759.51     0.000290
 5.54   2844093.00    45863.17           0.07
BRAZOS RIVER   LOWER BRAZOS   267975.*      PF 1      8003133.00      565.35      759.36                  759.51     0.000290
 5.54   2843927.00    45869.98           0.07
BRAZOS RIVER   LOWER BRAZOS   267970.*      PF 1      8003133.00      565.35      759.36                  759.51     0.000290
 5.54   2843705.00    45876.53           0.07
BRAZOS RIVER   LOWER BRAZOS   267965.*      PF 1      8003133.00      565.35      759.36                  759.51     0.000290
 5.54   2843476.00    45883.34           0.07
BRAZOS RIVER   LOWER BRAZOS   267960.*      PF 1      8003133.00      565.35      759.36                  759.51     0.000290
 5.54   2843285.00    45889.82           0.07
BRAZOS RIVER   LOWER BRAZOS   267955.*      PF 1      8003133.00      565.34      759.36                  759.50     0.000290
 5.54   2843088.00    45896.63           0.07
BRAZOS RIVER   LOWER BRAZOS   267950.*      PF 1      8003133.00      565.34      759.36                  759.50     0.000291
 5.54   2842869.00    45903.27           0.07
BRAZOS RIVER   LOWER BRAZOS   267945.*      PF 1      8003133.00      565.34      759.35                  759.50     0.000291
 5.54   2842651.00    45910.00           0.07
BRAZOS RIVER   LOWER BRAZOS   267940.*      PF 1      8003133.00      565.34      759.35                  759.50     0.000291
 5.54   2842434.00    45916.55           0.07
BRAZOS RIVER   LOWER BRAZOS   267935.*      PF 1      8003133.00      565.34      759.35                  759.50     0.000291
 5.54   2842229.00    45923.27           0.07
BRAZOS RIVER   LOWER BRAZOS   267930.*      PF 1      8003133.00      565.34      759.35                  759.50     0.000291
 5.54   2842031.00    45930.08           0.07
BRAZOS RIVER   LOWER BRAZOS   267925.*      PF 1      8003133.00      565.33      759.35                  759.50     0.000291
 5.55   2841818.00    45936.63           0.07
BRAZOS RIVER   LOWER BRAZOS   267920.*      PF 1      8003133.00      565.33      759.35                  759.49     0.000291
 5.55   2841598.00    45943.35           0.07
BRAZOS RIVER   LOWER BRAZOS   267915.*      PF 1      8003133.00      565.33      759.35                  759.49     0.000291
 5.55   2841435.00    45949.99           0.07
BRAZOS RIVER   LOWER BRAZOS   267910.*      PF 1      8003133.00      565.33      759.34                  759.49     0.000291
 5.55   2841205.00    45956.70           0.07
BRAZOS RIVER   LOWER BRAZOS   267905.*      PF 1      8003133.00      565.33      759.34                  759.49     0.000291
 5.55   2840966.00    45963.27           0.07
BRAZOS RIVER   LOWER BRAZOS   267900.*      PF 1      8003133.00      565.33      759.34                  759.49     0.000291
 5.55   2840803.00    45969.99           0.07
BRAZOS RIVER   LOWER BRAZOS   267895.*      PF 1      8003133.00      565.32      759.34                  759.49     0.000291
 5.55   2840574.00    45976.79           0.07
BRAZOS RIVER   LOWER BRAZOS   267890.*      PF 1      8003133.00      565.32      759.34                  759.49     0.000292
 5.55   2840348.00    45983.42           0.07
BRAZOS RIVER   LOWER BRAZOS   267885.*      PF 1      8003133.00      565.32      759.34                  759.48     0.000292
 5.55   2840164.00    45990.07           0.07
BRAZOS RIVER   LOWER BRAZOS   267880.*      PF 1      8003133.00      565.32      759.33                  759.48     0.000292
 5.55   2839954.00    45996.70           0.07
BRAZOS RIVER   LOWER BRAZOS   267875.*      PF 1      8003133.00      565.32      759.33                  759.48     0.000292
 5.55   2839734.00    46003.41           0.07
BRAZOS RIVER   LOWER BRAZOS   267870.*      PF 1      8003133.00      565.32      759.33                  759.48     0.000292
 5.55   2839529.00    46010.04           0.07
BRAZOS RIVER   LOWER BRAZOS   267865.*      PF 1      8003133.00      565.31      759.33                  759.48     0.000292
 5.55   2839296.00    46016.77           0.07
BRAZOS RIVER   LOWER BRAZOS   267860.*      PF 1      8003133.00      565.31      759.33                  759.48     0.000292
 5.55   2839106.00    46023.48           0.07
BRAZOS RIVER   LOWER BRAZOS   267855.*      PF 1      8003133.00      565.31      759.33                  759.47     0.000292
 5.55   2838900.00    46030.11           0.07
BRAZOS RIVER   LOWER BRAZOS   267850.*      PF 1      8003133.00      565.31      759.33                  759.47     0.000292
 5.56   2838684.00    46036.82           0.07
BRAZOS RIVER   LOWER BRAZOS   267845.*      PF 1      8003133.00      565.31      759.32                  759.47     0.000292
 5.56   2838480.00    46043.38           0.07
BRAZOS RIVER   LOWER BRAZOS   267840.*      PF 1      8003133.00      565.31      759.32                  759.47     0.000292
 5.56   2838281.00    46050.18           0.07
BRAZOS RIVER   LOWER BRAZOS   267835.*      PF 1      8003133.00      565.30      759.32                  759.47     0.000292
 5.56   2838063.00    46056.71           0.07
BRAZOS RIVER   LOWER BRAZOS   267830.*      PF 1      8003133.00      565.30      759.32                  759.47     0.000293
 5.56   2837860.00    46063.51           0.07
BRAZOS RIVER   LOWER BRAZOS   267825.*      PF 1      8003133.00      565.30      759.32                  759.47     0.000293
 5.56   2837624.00    46070.16           0.07
BRAZOS RIVER   LOWER BRAZOS   267820.*      PF 1      8003133.00      565.30      759.32                  759.46     0.000293
 5.56   2837415.00    46076.77           0.07
BRAZOS RIVER   LOWER BRAZOS   267815.*      PF 1      8003133.00      565.30      759.31                  759.46     0.000293
 5.56   2837219.00    46083.48           0.07
BRAZOS RIVER   LOWER BRAZOS   267810.*      PF 1      8003133.00      565.30      759.31                  759.46     0.000293
 5.56   2836997.00    46090.04           0.07
BRAZOS RIVER   LOWER BRAZOS   267805.*      PF 1      8003133.00      565.30      759.31                  759.46     0.000293
 5.56   2836776.00    46096.83           0.07
BRAZOS RIVER   LOWER BRAZOS   267800.*      PF 1      8003133.00      565.29      759.31                  759.46     0.000293
 5.56   2836595.00    46103.37           0.07
BRAZOS RIVER   LOWER BRAZOS   267795.*      PF 1      8003133.00      565.29      759.31                  759.46     0.000293
 5.56   2836358.00    46110.17           0.07
BRAZOS RIVER   LOWER BRAZOS   267790.*      PF 1      8003133.00      565.29      759.31                  759.46     0.000293
 5.56   2836127.00    46116.64           0.07
BRAZOS RIVER   LOWER BRAZOS   267785.*      PF 1      8003133.00      565.29      759.31                  759.45     0.000293
 5.56   2835964.00    46123.43           0.07
BRAZOS RIVER   LOWER BRAZOS   267780.*      PF 1      8003133.00      565.29      759.30                  759.45     0.000293
 5.57   2835733.00    46130.22           0.07
BRAZOS RIVER   LOWER BRAZOS   267775.*      PF 1      8003133.00      565.29      759.30                  759.45     0.000293
 5.57   2835500.00    46136.76           0.07
BRAZOS RIVER   LOWER BRAZOS   267770.*      PF 1      8003133.00      565.28      759.30                  759.45     0.000294
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 5.57   2835298.00    46143.48           0.07
BRAZOS RIVER   LOWER BRAZOS   267765.*      PF 1      8003133.00      565.28      759.30                  759.45     0.000294
 5.57   2835101.00    46150.01           0.07
BRAZOS RIVER   LOWER BRAZOS   267760.*      PF 1      8003133.00      565.28      759.30                  759.45     0.000294
 5.57   2834867.00    46156.80           0.07
BRAZOS RIVER   LOWER BRAZOS   267755.*      PF 1      8003133.00      565.28      759.30                  759.45     0.000294
 5.57   2834653.00    46163.41           0.07
BRAZOS RIVER   LOWER BRAZOS   267751.*      PF 1      8003133.00      565.28      759.29                  759.44     0.000294
 5.57   2834441.00    46170.06           0.07
BRAZOS RIVER   LOWER BRAZOS   267746.*      PF 1      8003133.00      565.28      759.29                  759.44     0.000294
 5.57   2834232.00    46176.85           0.07
BRAZOS RIVER   LOWER BRAZOS   267741.*      PF 1      8003133.00      565.27      759.29                  759.44     0.000294
 5.57   2834008.00    46183.38           0.07
BRAZOS RIVER   LOWER BRAZOS   267736.*      PF 1      8003133.00      565.27      759.29                  759.44     0.000294
 5.57   2833776.00    46190.16           0.07
BRAZOS RIVER   LOWER BRAZOS   267731.*      PF 1      8003133.00      565.27      759.29                  759.44     0.000294
 5.57   2833572.00    46196.72           0.07
BRAZOS RIVER   LOWER BRAZOS   267726.*      PF 1      8003133.00      565.27      759.29                  759.44     0.000294
 5.57   2833362.00    46203.41           0.07
BRAZOS RIVER   LOWER BRAZOS   267721.*      PF 1      8003133.00      565.27      759.29                  759.43     0.000294
 5.57   2833115.00    46210.04           0.07
BRAZOS RIVER   LOWER BRAZOS   267716.*      PF 1      8003133.00      565.27      759.28                  759.43     0.000294
 5.58   2832899.00    46216.67           0.07
BRAZOS RIVER   LOWER BRAZOS   267711.*      PF 1      8003133.00      565.26      759.28                  759.43     0.000295
 5.58   2832715.00    46223.45           0.07
BRAZOS RIVER   LOWER BRAZOS   267706.*      PF 1      8003133.00      565.26      759.28                  759.43     0.000295
 5.58   2832476.00    46229.98           0.07
BRAZOS RIVER   LOWER BRAZOS   267701.*      PF 1      8003133.00      565.26      759.28                  759.43     0.000295
 5.58   2832269.00    46236.76           0.07
BRAZOS RIVER   LOWER BRAZOS   267696.*      PF 1      8003133.00      565.26      759.28                  759.43     0.000295
 5.58   2832047.00    46243.31           0.07
BRAZOS RIVER   LOWER BRAZOS   267691.*      PF 1      8003133.00      565.26      759.28                  759.43     0.000295
 5.58   2831845.00    46250.02           0.07
BRAZOS RIVER   LOWER BRAZOS   267686.*      PF 1      8003133.00      565.26      759.27                  759.42     0.000295
 5.58   2831624.00    46256.63           0.07
BRAZOS RIVER   LOWER BRAZOS   267681.*      PF 1      8003133.00      565.25      759.27                  759.42     0.000295
 5.58   2831427.00    46263.32           0.07
BRAZOS RIVER   LOWER BRAZOS   267676.*      PF 1      8003133.00      565.25      759.27                  759.42     0.000295
 5.58   2831171.00    46270.04           0.07
BRAZOS RIVER   LOWER BRAZOS   267671.*      PF 1      8003133.00      565.25      759.27                  759.42     0.000295
 5.58   2830955.00    46276.66           0.07
BRAZOS RIVER   LOWER BRAZOS   267666.*      PF 1      8003133.00      565.25      759.27                  759.42     0.000295
 5.58   2830756.00    46283.34           0.07
BRAZOS RIVER   LOWER BRAZOS   267661.*      PF 1      8003133.00      565.25      759.27                  759.42     0.000295
 5.58   2830528.00    46289.96           0.07
BRAZOS RIVER   LOWER BRAZOS   267656.*      PF 1      8003133.00      565.25      759.27                  759.42     0.000295
 5.58   2830321.00    46296.59           0.07
BRAZOS RIVER   LOWER BRAZOS   267651.*      PF 1      8003133.00      565.24      759.26                  759.41     0.000296
 5.58   2830106.00    46303.20           0.07
BRAZOS RIVER   LOWER BRAZOS   267646.*      PF 1      8003133.00      565.24      759.26                  759.41     0.000296
 5.59   2829879.00    46309.98           0.07
BRAZOS RIVER   LOWER BRAZOS   267641.*      PF 1      8003133.00      565.24      759.26                  759.41     0.000296
 5.59   2829662.00    46316.51           0.07
BRAZOS RIVER   LOWER BRAZOS   267636.*      PF 1      8003133.00      565.24      759.26                  759.41     0.000296
 5.59   2829449.00    46323.22           0.07
BRAZOS RIVER   LOWER BRAZOS   267631.*      PF 1      8003133.00      565.24      759.26                  759.41     0.000296
 5.59   2829225.00    46329.91           0.07
BRAZOS RIVER   LOWER BRAZOS   267626.*      PF 1      8003133.00      565.24      759.26                  759.41     0.000296
 5.59   2829002.00    46336.52           0.07
BRAZOS RIVER   LOWER BRAZOS   267621.*      PF 1      8003133.00      565.23      759.26                  759.41     0.000296
 5.59   2828800.00    46343.14           0.07
BRAZOS RIVER   LOWER BRAZOS   267616.*      PF 1      8003133.00      565.23      759.25                  759.40     0.000296
 5.59   2828572.00    46349.76           0.07
BRAZOS RIVER   LOWER BRAZOS   267611.*      PF 1      8003133.00      565.23      759.25                  759.40     0.000296
 5.59   2828364.00    46356.53           0.07
BRAZOS RIVER   LOWER BRAZOS   267606.*      PF 1      8003133.00      565.23      759.25                  759.40     0.000296
 5.59   2828125.00    46363.05           0.07
BRAZOS RIVER   LOWER BRAZOS   267601.*      PF 1      8003133.00      565.23      759.25                  759.40     0.000296
 5.59   2827889.00    46369.77           0.07
BRAZOS RIVER   LOWER BRAZOS   267596.*      PF 1      8003133.00      565.23      759.25                  759.40     0.000296
 5.59   2827715.00    46376.46           0.07
BRAZOS RIVER   LOWER BRAZOS   267591.*      PF 1      8003133.00      565.22      759.25                  759.40     0.000297
 5.59   2827464.00    46383.05           0.07
BRAZOS RIVER   LOWER BRAZOS   267586.*      PF 1      8003133.00      565.22      759.24                  759.39     0.000297
 5.59   2827245.00    46389.83           0.07
BRAZOS RIVER   LOWER BRAZOS   267581.*      PF 1      8003133.00      565.22      759.24                  759.39     0.000297
 5.60   2827020.00    46396.30           0.07
BRAZOS RIVER   LOWER BRAZOS   267576.*      PF 1      8003133.00      565.22      759.24                  759.39     0.000297
 5.60   2826822.00    46403.07           0.07
BRAZOS RIVER   LOWER BRAZOS   267571.*      PF 1      8003133.00      565.22      759.24                  759.39     0.000297
 5.60   2826576.00    46409.59           0.07
BRAZOS RIVER   LOWER BRAZOS   267566.*      PF 1      8003133.00      565.22      759.24                  759.39     0.000297
 5.60   2826365.00    46416.36           0.07
BRAZOS RIVER   LOWER BRAZOS   267561.*      PF 1      8003133.00      565.21      759.24                  759.39     0.000297
 5.60   2826154.00    46423.07           0.07
BRAZOS RIVER   LOWER BRAZOS   267556.*      PF 1      8003133.00      565.21      759.24                  759.39     0.000297
 5.60   2825885.00    46429.59           0.07
BRAZOS RIVER   LOWER BRAZOS   267551.*      PF 1      8003133.00      565.21      759.23                  759.38     0.000297
 5.60   2825701.00    46436.36           0.07
BRAZOS RIVER   LOWER BRAZOS   267546.*      PF 1      8003133.00      565.21      759.23                  759.38     0.000297
 5.60   2825459.00    46442.87           0.07
BRAZOS RIVER   LOWER BRAZOS   267541.*      PF 1      8003133.00      565.21      759.23                  759.38     0.000297
 5.60   2825229.00    46449.58           0.07
BRAZOS RIVER   LOWER BRAZOS   267536.*      PF 1      8003133.00      565.21      759.23                  759.38     0.000297
 5.60   2825015.00    46456.20           0.07
BRAZOS RIVER   LOWER BRAZOS   267531.*      PF 1      8003133.00      565.20      759.23                  759.38     0.000298
 5.60   2824787.00    46462.87           0.07
BRAZOS RIVER   LOWER BRAZOS   267526.*      PF 1      8003133.00      565.20      759.23                  759.38     0.000298
 5.60   2824561.00    46469.64           0.07
BRAZOS RIVER   LOWER BRAZOS   267521.*      PF 1      8003133.00      565.20      759.22                  759.38     0.000298
 5.60   2824349.00    46476.10           0.07
BRAZOS RIVER   LOWER BRAZOS   267516.*      PF 1      8003133.00      565.20      759.22                  759.37     0.000298
 5.61   2824116.00    46482.86           0.07
BRAZOS RIVER   LOWER BRAZOS   267511.*      PF 1      8003133.00      565.20      759.22                  759.37     0.000298
 5.61   2823877.00    46489.38           0.07
BRAZOS RIVER   LOWER BRAZOS   267506.*      PF 1      8003133.00      565.20      759.22                  759.37     0.000298
 5.61   2823675.00    46496.09           0.07
BRAZOS RIVER   LOWER BRAZOS   267501.*      PF 1      8003133.00      565.20      759.22                  759.37     0.000298
 5.61   2823468.00    46502.68           0.07
BRAZOS RIVER   LOWER BRAZOS   267496.*      PF 1      8003133.00      565.19      759.22                  759.37     0.000298
 5.61   2823213.00    46509.36           0.07
BRAZOS RIVER   LOWER BRAZOS   267491.*      PF 1      8003133.00      565.19      759.22                  759.37     0.000298
 5.61   2823009.00    46516.13           0.07
BRAZOS RIVER   LOWER BRAZOS   267486.*      PF 1      8003133.00      565.19      759.21                  759.37     0.000298
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 5.61   2822781.00    46522.59           0.07
BRAZOS RIVER   LOWER BRAZOS   267481.*      PF 1      8003133.00      565.19      759.21                759.36     0.000298
 5.61   2822557.00    46529.35           0.07
BRAZOS RIVER   LOWER BRAZOS   267476.*      PF 1      8003133.00      565.19      759.21                759.36     0.000298
 5.61   2822342.00    46535.95           0.07
BRAZOS RIVER   LOWER BRAZOS   267471.*      PF 1      8003133.00      565.19      759.21                759.36     0.000299
 5.61   2822081.00    46542.62           0.07
BRAZOS RIVER   LOWER BRAZOS   267466.*      PF 1      8003133.00      565.18      759.21                759.36     0.000299
 5.61   2821875.00    46549.17           0.07
BRAZOS RIVER   LOWER BRAZOS   267461.*      PF 1      8003133.00      565.18      759.21                759.36     0.000299
 5.61   2821650.00    46555.84           0.07
BRAZOS RIVER   LOWER BRAZOS   267456.*      PF 1      8003133.00      565.18      759.20                759.36     0.000299
 5.61   2821421.00    46562.44           0.07
BRAZOS RIVER   LOWER BRAZOS   267451.*      PF 1      8003133.00      565.18      759.20                759.35     0.000299
 5.62   2821198.00    46569.20           0.07
BRAZOS RIVER   LOWER BRAZOS   267446.*      PF 1      8003133.00      565.18      759.20                759.35     0.000299
 5.62   2820980.00    46575.82           0.07
BRAZOS RIVER   LOWER BRAZOS   267441.*      PF 1      8003133.00      565.18      759.20                759.35     0.000299
 5.62   2820752.00    46582.41           0.07
BRAZOS RIVER   LOWER BRAZOS   267436.*      PF 1      8003133.00      565.17      759.20                759.35     0.000299
 5.62   2820533.00    46589.08           0.07
BRAZOS RIVER   LOWER BRAZOS   267431.*      PF 1      8003133.00      565.17      759.20                759.35     0.000299
 5.62   2820299.00    46595.69           0.07
BRAZOS RIVER   LOWER BRAZOS   267426.*      PF 1      8003133.00      565.17      759.20                759.35     0.000299
 5.62   2820062.00    46602.30           0.07
BRAZOS RIVER   LOWER BRAZOS   267421.*      PF 1      8003133.00      565.17      759.19                759.35     0.000299
 5.62   2819860.00    46608.90           0.07
BRAZOS RIVER   LOWER BRAZOS   267416.*      PF 1      8003133.00      565.17      759.19                759.34     0.000300
 5.62   2819597.00    46615.66           0.07
BRAZOS RIVER   LOWER BRAZOS   267411.*      PF 1      8003133.00      565.17      759.19                759.34     0.000300
 5.62   2819386.00    46622.27           0.07
BRAZOS RIVER   LOWER BRAZOS   267406.*      PF 1      8003133.00      565.16      759.19                759.34     0.000300
 5.62   2819166.00    46628.86           0.07
BRAZOS RIVER   LOWER BRAZOS   267401.*      PF 1      8003133.00      565.16      759.19                759.34     0.000300
 5.62   2818919.00    46635.53           0.07
BRAZOS RIVER   LOWER BRAZOS   267396.*      PF 1      8003133.00      565.16      759.19                759.34     0.000300
 5.62   2818695.00    46642.12           0.07
BRAZOS RIVER   LOWER BRAZOS   267391.*      PF 1      8003133.00      565.16      759.18                759.34     0.000300
 5.62   2818482.00    46648.82           0.07
BRAZOS RIVER   LOWER BRAZOS   267386.*      PF 1      8003133.00      565.16      759.18                759.34     0.000300
 5.63   2818241.00    46655.34           0.07
BRAZOS RIVER   LOWER BRAZOS   267381.*      PF 1      8003133.00      565.16      759.18                759.33     0.000300
 5.63   2818003.00    46662.09           0.07
BRAZOS RIVER   LOWER BRAZOS   267376.*      PF 1      8003133.00      565.15      759.18                759.33     0.000300
 5.63   2817785.00    46668.75           0.07
BRAZOS RIVER   LOWER BRAZOS   267371.*      PF 1      8003133.00      565.15      759.18                759.33     0.000300
 5.63   2817561.00    46675.30           0.07
BRAZOS RIVER   LOWER BRAZOS   267366.*      PF 1      8003133.00      565.15      759.18                759.33     0.000300
 5.63   2817317.00    46682.05           0.07
BRAZOS RIVER   LOWER BRAZOS   267361.*      PF 1      8003133.00      565.15      759.18                759.33     0.000300
 5.63   2817074.00    46688.55           0.07
BRAZOS RIVER   LOWER BRAZOS   267356.*      PF 1      8003133.00      565.15      759.17                759.33     0.000301
 5.63   2816842.00    46695.30           0.07
BRAZOS RIVER   LOWER BRAZOS   267351.*      PF 1      8003133.00      565.15      759.17                759.33     0.000301
 5.63   2816638.00    46701.74           0.07
BRAZOS RIVER   LOWER BRAZOS   267346.*      PF 1      8003133.00      565.14      759.17                759.32     0.000301
 5.63   2816388.00    46708.50           0.07
BRAZOS RIVER   LOWER BRAZOS   267341.*      PF 1      8003133.00      565.14      759.17                759.32     0.000301
 5.63   2816143.00    46715.17           0.07
BRAZOS RIVER   LOWER BRAZOS   267336.*      PF 1      8003133.00      565.14      759.17                759.32     0.000301
 5.63   2815897.00    46721.75           0.07
BRAZOS RIVER   LOWER BRAZOS   267331.*      PF 1      8003133.00      565.14      759.17                759.32     0.000301
 5.63   2815695.00    46728.46           0.07
BRAZOS RIVER   LOWER BRAZOS   267326.*      PF 1      8003133.00      565.14      759.16                759.32     0.000301
 5.64   2815452.00    46734.95           0.07
BRAZOS RIVER   LOWER BRAZOS   267321.*      PF 1      8003133.00      565.14      759.16                759.32     0.000301
 5.64   2815216.00    46741.70           0.07
BRAZOS RIVER   LOWER BRAZOS   267316.*      PF 1      8003133.00      565.13      759.16                759.31     0.000301
 5.64   2814997.00    46748.14           0.07
BRAZOS RIVER   LOWER BRAZOS   267311.*      PF 1      8003133.00      565.13      759.16                759.31     0.000301
 5.64   2814742.00    46754.90           0.07
BRAZOS RIVER   LOWER BRAZOS   267306.*      PF 1      8003133.00      565.13      759.16                759.31     0.000301
 5.64   2814510.00    46761.48           0.07
BRAZOS RIVER   LOWER BRAZOS   267301.*      PF 1      8003133.00      565.13      759.16                759.31     0.000302
 5.64   2814282.00    46768.13           0.07
BRAZOS RIVER   LOWER BRAZOS   267296.*      PF 1      8003133.00      565.13      759.16                759.31     0.000302
 5.64   2814037.00    46774.83           0.07
BRAZOS RIVER   LOWER BRAZOS   267291.*      PF 1      8003133.00      565.13      759.15                759.31     0.000302
 5.64   2813804.00    46781.32           0.07
BRAZOS RIVER   LOWER BRAZOS   267286.*      PF 1      8003133.00      565.12      759.15                759.31     0.000302
 5.64   2813588.00    46788.07           0.07
BRAZOS RIVER   LOWER BRAZOS   267281.*      PF 1      8003133.00      565.12      759.15                759.30     0.000302
 5.64   2813349.00    46794.66           0.07
BRAZOS RIVER   LOWER BRAZOS   267276.*      PF 1      8003133.00      565.12      759.15                759.30     0.000302
 5.64   2813099.00    46801.27           0.07
BRAZOS RIVER   LOWER BRAZOS   267271.*      PF 1      8003133.00      565.12      759.15                759.30     0.000302
 5.64   2812879.00    46807.86           0.07
BRAZOS RIVER   LOWER BRAZOS   267266.*      PF 1      8003133.00      565.12      759.15                759.30     0.000302
 5.64   2812619.00    46814.51           0.07
BRAZOS RIVER   LOWER BRAZOS   267261.*      PF 1      8003133.00      565.12      759.14                759.30     0.000302
 5.65   2812391.00    46821.25           0.07
BRAZOS RIVER   LOWER BRAZOS   267256.*      PF 1      8003133.00      565.11      759.14                759.30     0.000302
 5.65   2812174.00    46827.79           0.07
BRAZOS RIVER   LOWER BRAZOS   267251.*      PF 1      8003133.00      565.11      759.14                759.29     0.000302
 5.65   2811933.00    46834.44           0.07
BRAZOS RIVER   LOWER BRAZOS   267246.*      PF 1      8003133.00      565.11      759.14                759.29     0.000303
 5.65   2811687.00    46841.02           0.07
BRAZOS RIVER   LOWER BRAZOS   267241.*      PF 1      8003133.00      565.11      759.14                759.29     0.000303
 5.65   2811455.00    46847.66           0.07
BRAZOS RIVER   LOWER BRAZOS   267236.*      PF 1      8003133.00      565.11      759.14                759.29     0.000303
 5.65   2811209.00    46854.20           0.07
BRAZOS RIVER   LOWER BRAZOS   267231.*      PF 1      8003133.00      565.11      759.13                759.29     0.000303
 5.65   2810997.00    46860.85           0.07
BRAZOS RIVER   LOWER BRAZOS   267226.*      PF 1      8003133.00      565.10      759.13                759.29     0.000303
 5.65   2810733.00    46867.60           0.07
BRAZOS RIVER   LOWER BRAZOS   267221.*      PF 1      8003133.00      565.10      759.13                759.29     0.000303
 5.65   2810517.00    46874.18           0.07
BRAZOS RIVER   LOWER BRAZOS   267216.*      PF 1      8003133.00      565.10      759.13                759.28     0.000303
 5.65   2810266.00    46880.77           0.07
BRAZOS RIVER   LOWER BRAZOS   267211.*      PF 1      8003133.00      565.10      759.13                759.28     0.000303
 5.65   2810024.00    46887.36           0.07
BRAZOS RIVER   LOWER BRAZOS   267206.*      PF 1      8003133.00      565.10      759.13                759.28     0.000303
 5.65   2809786.00    46894.01           0.07
BRAZOS RIVER   LOWER BRAZOS   267201.*      PF 1      8003133.00      565.10      759.13                759.28     0.000303
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 5.66   2809553.00    46900.54           0.07
BRAZOS RIVER   LOWER BRAZOS   267196.*      PF 1      8003133.00      565.10      759.12                759.28     0.000303
 5.66   2809327.00    46907.28           0.07
BRAZOS RIVER   LOWER BRAZOS   267191.*      PF 1      8003133.00      565.09      759.12                759.28     0.000303
 5.66   2809066.00    46913.93           0.07
BRAZOS RIVER   LOWER BRAZOS   267186.*      PF 1      8003133.00      565.09      759.12                759.27     0.000304
 5.66   2808827.00    46920.51           0.07
BRAZOS RIVER   LOWER BRAZOS   267181.*      PF 1      8003133.00      565.09      759.12                759.27     0.000304
 5.66   2808605.00    46927.10           0.07
BRAZOS RIVER   LOWER BRAZOS   267176.*      PF 1      8003133.00      565.09      759.12                759.27     0.000304
 5.66   2808350.00    46933.68           0.07
BRAZOS RIVER   LOWER BRAZOS   267171.*      PF 1      8003133.00      565.09      759.12                759.27     0.000304
 5.66   2808127.00    46940.42           0.07
BRAZOS RIVER   LOWER BRAZOS   267166.*      PF 1      8003133.00      565.09      759.11                759.27     0.000304
 5.66   2807852.00    46946.91           0.07
BRAZOS RIVER   LOWER BRAZOS   267161.*      PF 1      8003133.00      565.08      759.11                759.27     0.000304
 5.66   2807625.00    46953.60           0.07
BRAZOS RIVER   LOWER BRAZOS   267156.*      PF 1      8003133.00      565.08      759.11                759.27     0.000304
 5.66   2807366.00    46960.08           0.07
BRAZOS RIVER   LOWER BRAZOS   267151.*      PF 1      8003133.00      565.08      759.11                759.26     0.000304
 5.66   2807142.00    46966.82           0.07
BRAZOS RIVER   LOWER BRAZOS   267146.*      PF 1      8003133.00      565.08      759.11                759.26     0.000304
 5.66   2806891.00    46973.46           0.07
BRAZOS RIVER   LOWER BRAZOS   267141.*      PF 1      8003133.00      565.08      759.11                759.26     0.000304
 5.67   2806669.00    46979.98           0.07
BRAZOS RIVER   LOWER BRAZOS   267136.*      PF 1      8003133.00      565.08      759.10                759.26     0.000304
 5.67   2806425.00    46986.73           0.07
BRAZOS RIVER   LOWER BRAZOS   267131.*      PF 1      8003133.00      565.07      759.10                759.26     0.000305
 5.67   2806165.00    46993.21           0.07
BRAZOS RIVER   LOWER BRAZOS   267126.*      PF 1      8003133.00      565.07      759.10                759.26     0.000305
 5.67   2805942.00    46999.95           0.07
BRAZOS RIVER   LOWER BRAZOS   267121.*      PF 1      8003133.00      565.07      759.10                759.25     0.000305
 5.67   2805707.00    47006.38           0.07
BRAZOS RIVER   LOWER BRAZOS   267116.*      PF 1      8003133.00      565.07      759.10                759.25     0.000305
 5.67   2805443.00    47013.12           0.07
BRAZOS RIVER   LOWER BRAZOS   267111.*      PF 1      8003133.00      565.07      759.10                759.25     0.000305
 5.67   2805205.00    47019.85           0.07
BRAZOS RIVER   LOWER BRAZOS   267106.*      PF 1      8003133.00      565.07      759.09                759.25     0.000305
 5.67   2804948.00    47026.29           0.07
BRAZOS RIVER   LOWER BRAZOS   267101.*      PF 1      8003133.00      565.06      759.09                759.25     0.000305
 5.67   2804723.00    47033.02           0.07
BRAZOS RIVER   LOWER BRAZOS   267096.*      PF 1      8003133.00      565.06      759.09                759.25     0.000305
 5.67   2804486.00    47039.50           0.07
BRAZOS RIVER   LOWER BRAZOS   267091.*      PF 1      8003133.00      565.06      759.09                759.25     0.000305
 5.67   2804221.00    47046.23           0.07
BRAZOS RIVER   LOWER BRAZOS   267086.*      PF 1      8003133.00      565.06      759.09                759.24     0.000305
 5.67   2803983.00    47052.77           0.07
BRAZOS RIVER   LOWER BRAZOS   267081.*      PF 1      8003133.00      565.06      759.09                759.24     0.000305
 5.68   2803744.00    47059.40           0.07
BRAZOS RIVER   LOWER BRAZOS   267076.*      PF 1      8003133.00      565.06      759.09                759.24     0.000306
 5.68   2803489.00    47066.13           0.07
BRAZOS RIVER   LOWER BRAZOS   267071.*      PF 1      8003133.00      565.05      759.08                759.24     0.000306
 5.68   2803259.00    47072.61           0.07
BRAZOS RIVER   LOWER BRAZOS   267066.*      PF 1      8003133.00      565.05      759.08                759.24     0.000306
 5.68   2803032.00    47079.29           0.07
BRAZOS RIVER   LOWER BRAZOS   267061.*      PF 1      8003133.00      565.05      759.08                759.24     0.000306
 5.68   2802774.00    47085.77           0.07
BRAZOS RIVER   LOWER BRAZOS   267056.*      PF 1      8003133.00      565.05      759.08                759.23     0.000306
 5.68   2802532.00    47092.50           0.07
BRAZOS RIVER   LOWER BRAZOS   267051.*      PF 1      8003133.00      565.05      759.08                759.23     0.000306
 5.68   2802309.00    47099.07           0.07
BRAZOS RIVER   LOWER BRAZOS   267046.*      PF 1      8003133.00      565.05      759.08                759.23     0.000306
 5.68   2802029.00    47105.66           0.07
BRAZOS RIVER   LOWER BRAZOS   267042.*      PF 1      8003133.00      565.04      759.07                759.23     0.000306
 5.68   2801809.00    47112.39           0.07
BRAZOS RIVER   LOWER BRAZOS   267037.*      PF 1      8003133.00      565.04      759.07                759.23     0.000306
 5.68   2801538.00    47118.86           0.07
BRAZOS RIVER   LOWER BRAZOS   267032.*      PF 1      8003133.00      565.04      759.07                759.23     0.000306
 5.68   2801299.00    47125.59           0.07
BRAZOS RIVER   LOWER BRAZOS   267027.*      PF 1      8003133.00      565.04      759.07                759.23     0.000306
 5.68   2801056.00    47132.13           0.07
BRAZOS RIVER   LOWER BRAZOS   267022.*      PF 1      8003133.00      565.04      759.07                759.22     0.000307
 5.69   2800808.00    47138.74           0.07
BRAZOS RIVER   LOWER BRAZOS   267017.*      PF 1      8003133.00      565.04      759.07                759.22     0.000307
 5.69   2800564.00    47145.33           0.07
BRAZOS RIVER   LOWER BRAZOS   267012.*      PF 1      8003133.00      565.03      759.06                759.22     0.000307
 5.69   2800352.00    47151.96           0.07
BRAZOS RIVER   LOWER BRAZOS   267007.*      PF 1      8003133.00      565.03      759.06                759.22     0.000307
 5.69   2800078.00    47158.48           0.07
BRAZOS RIVER   LOWER BRAZOS   267002.*      PF 1      8003133.00      565.03      759.06                759.22     0.000307
 5.69   2799809.00    47165.21           0.07
BRAZOS RIVER   LOWER BRAZOS   266997.*      PF 1      8003133.00      565.03      759.06                759.22     0.000307
 5.69   2799581.00    47171.84           0.07
BRAZOS RIVER   LOWER BRAZOS   266992.*      PF 1      8003133.00      565.03      759.06                759.21     0.000307
 5.69   2799334.00    47178.36           0.07
BRAZOS RIVER   LOWER BRAZOS   266987.*      PF 1      8003133.00      565.03      759.06                759.21     0.000307
 5.69   2799095.00    47184.99           0.07
BRAZOS RIVER   LOWER BRAZOS   266982.*      PF 1      8003133.00      565.02      759.06                759.21     0.000307
 5.69   2798855.00    47191.56           0.07
BRAZOS RIVER   LOWER BRAZOS   266977.*      PF 1      8003133.00      565.02      759.05                759.21     0.000307
 5.69   2798579.00    47198.28           0.07
BRAZOS RIVER   LOWER BRAZOS   266972.*      PF 1      8003133.00      565.02      759.05                759.21     0.000307
 5.69   2798316.00    47204.72           0.07
BRAZOS RIVER   LOWER BRAZOS   266967.*      PF 1      8003133.00      565.02      759.05                759.21     0.000308
 5.69   2798089.00    47211.45           0.07
BRAZOS RIVER   LOWER BRAZOS   266962.*      PF 1      8003133.00      565.02      759.05                759.21     0.000308
 5.70   2797829.00    47218.06           0.07
BRAZOS RIVER   LOWER BRAZOS   266957.*      PF 1      8003133.00      565.02      759.05                759.20     0.000308
 5.70   2797580.00    47224.63           0.07
BRAZOS RIVER   LOWER BRAZOS   266952.*      PF 1      8003133.00      565.01      759.05                759.20     0.000308
 5.70   2797348.00    47231.22           0.07
BRAZOS RIVER   LOWER BRAZOS   266947.*      PF 1      8003133.00      565.01      759.04                759.20     0.000308
 5.70   2797071.00    47237.78           0.07
BRAZOS RIVER   LOWER BRAZOS   266942.*      PF 1      8003133.00      565.01      759.04                759.20     0.000308
 5.70   2796810.00    47244.51           0.07
BRAZOS RIVER   LOWER BRAZOS   266937.*      PF 1      8003133.00      565.01      759.04                759.20     0.000308
 5.70   2796607.00    47250.98           0.07
BRAZOS RIVER   LOWER BRAZOS   266932.*      PF 1      8003133.00      565.01      759.04                759.20     0.000308
 5.70   2796331.00    47257.65           0.07
BRAZOS RIVER   LOWER BRAZOS   266927.*      PF 1      8003133.00      565.01      759.04                759.20     0.000308
 5.70   2796066.00    47264.29           0.07
BRAZOS RIVER   LOWER BRAZOS   266922.*      PF 1      8003133.00      565.00      759.04                759.19     0.000308
 5.70   2795838.00    47270.85           0.07
BRAZOS RIVER   LOWER BRAZOS   266917.*      PF 1      8003133.00      565.00      759.03                759.19     0.000308
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 5.70   2795582.00    47277.56           0.07
BRAZOS RIVER   LOWER BRAZOS   266912.*      PF 1      8003133.00      565.00      759.03                759.19     0.000309
 5.70   2795317.00    47284.00           0.07
BRAZOS RIVER   LOWER BRAZOS   266907.*      PF 1      8003133.00      565.00      759.03                759.19     0.000309
 5.71   2795077.00    47290.72           0.07
BRAZOS RIVER   LOWER BRAZOS   266902.*      PF 1      8003133.00      565.00      759.03                759.19     0.000309
 5.71   2794816.00    47297.18           0.07
BRAZOS RIVER   LOWER BRAZOS   266897.*      PF 1      8003133.00      565.00      759.03                759.19     0.000309
 5.71   2794580.00    47303.86           0.07
BRAZOS RIVER   LOWER BRAZOS   266892.*      PF 1      8003133.00      565.00      759.03                759.18     0.000309
 5.71   2794350.00    47310.58           0.07
BRAZOS RIVER   LOWER BRAZOS   266887.*      PF 1      8003133.00      564.99      759.03                759.18     0.000309
 5.71   2794068.00    47317.04           0.07
BRAZOS RIVER   LOWER BRAZOS   266882.*      PF 1      8003133.00      564.99      759.02                759.18     0.000309
 5.71   2793830.00    47323.76           0.07
BRAZOS RIVER   LOWER BRAZOS   266877.*      PF 1      8003133.00      564.99      759.02                759.18     0.000309
 5.71   2793580.00    47330.18           0.07
BRAZOS RIVER   LOWER BRAZOS   266872.*      PF 1      8003133.00      564.99      759.02                759.18     0.000309
 5.71   2793315.00    47336.89           0.07
BRAZOS RIVER   LOWER BRAZOS   266867.*      PF 1      8003133.00      564.99      759.02                759.18     0.000309
 5.71   2793094.00    47343.37           0.07
BRAZOS RIVER   LOWER BRAZOS   266862.*      PF 1      8003133.00      564.99      759.02                759.18     0.000309
 5.71   2792846.00    47350.09           0.07
BRAZOS RIVER   LOWER BRAZOS   266857.*      PF 1      8003133.00      564.98      759.02                759.17     0.000310
 5.71   2792573.00    47356.76           0.07
BRAZOS RIVER   LOWER BRAZOS   266852.*      PF 1      8003133.00      564.98      759.01                759.17     0.000310
 5.71   2792339.00    47363.23           0.07
BRAZOS RIVER   LOWER BRAZOS   266847.*      PF 1      8003133.00      564.98      759.01                759.17     0.000310
 5.72   2792046.00    47369.94           0.07
BRAZOS RIVER   LOWER BRAZOS   266842.*      PF 1      8003133.00      564.98      759.01                759.17     0.000310
 5.72   2791805.00    47376.40           0.07
BRAZOS RIVER   LOWER BRAZOS   266837.*      PF 1      8003133.00      564.98      759.01                759.17     0.000310
 5.72   2791573.00    47383.08           0.07
BRAZOS RIVER   LOWER BRAZOS   266832.*      PF 1      8003133.00      564.98      759.01                759.17     0.000310
 5.72   2791309.00    47389.64           0.07
BRAZOS RIVER   LOWER BRAZOS   266827.*      PF 1      8003133.00      564.97      759.01                759.16     0.000310
 5.72   2791031.00    47396.25           0.07
BRAZOS RIVER   LOWER BRAZOS   266822.*      PF 1      8003133.00      564.97      759.00                759.16     0.000310
 5.72   2790818.00    47402.82           0.07
BRAZOS RIVER   LOWER BRAZOS   266817.*      PF 1      8003133.00      564.97      759.00                759.16     0.000310
 5.72   2790554.00    47409.39           0.07
BRAZOS RIVER   LOWER BRAZOS   266812.*      PF 1      8003133.00      564.97      759.00                759.16     0.000310
 5.72   2790273.00    47416.10           0.07
BRAZOS RIVER   LOWER BRAZOS   266807.*      PF 1      8003133.00      564.97      759.00                759.16     0.000310
 5.72   2790059.00    47422.66           0.07
BRAZOS RIVER   LOWER BRAZOS   266802.*      PF 1      8003133.00      564.97      759.00                759.16     0.000311
 5.72   2789809.00    47429.24           0.07
BRAZOS RIVER   LOWER BRAZOS   266797.*      PF 1      8003133.00      564.96      759.00                759.16     0.000311
 5.72   2789525.00    47435.79           0.07
BRAZOS RIVER   LOWER BRAZOS   266792.*      PF 1      8003133.00      564.96      758.99                759.15     0.000311
 5.73   2789275.00    47442.41           0.07
BRAZOS RIVER   LOWER BRAZOS   266787.*      PF 1      8003133.00      564.96      758.99                759.15     0.000311
 5.73   2789030.00    47448.97           0.07
BRAZOS RIVER   LOWER BRAZOS   266782.*      PF 1      8003133.00      564.96      758.99                759.15     0.000311
 5.73   2788744.00    47455.53           0.07
BRAZOS RIVER   LOWER BRAZOS   266777.*      PF 1      8003133.00      564.96      758.99                759.15     0.000311
 5.73   2788492.00    47462.25           0.07
BRAZOS RIVER   LOWER BRAZOS   266772.*      PF 1      8003133.00      564.96      758.99                759.15     0.000311
 5.73   2788219.00    47468.80           0.07
BRAZOS RIVER   LOWER BRAZOS   266767.*      PF 1      8003133.00      564.95      758.99                759.15     0.000311
 5.73   2787974.00    47475.41           0.07
BRAZOS RIVER   LOWER BRAZOS   266762.*      PF 1      8003133.00      564.95      758.99                759.14     0.000311
 5.73   2787730.00    47481.93           0.07
BRAZOS RIVER   LOWER BRAZOS   266757.*      PF 1      8003133.00      564.95      758.98                759.14     0.000311
 5.73   2787454.00    47488.55           0.07
BRAZOS RIVER   LOWER BRAZOS   266752.*      PF 1      8003133.00      564.95      758.98                759.14     0.000311
 5.73   2787183.00    47495.09           0.07
BRAZOS RIVER   LOWER BRAZOS   266747.*      PF 1      8003133.00      564.95      758.98                759.14     0.000312
 5.73   2786960.00    47501.80           0.07
BRAZOS RIVER   LOWER BRAZOS   266742.*      PF 1      8003133.00      564.95      758.98                759.14     0.000312
 5.73   2786658.00    47508.38           0.07
BRAZOS RIVER   LOWER BRAZOS   266737.*      PF 1      8003133.00      564.94      758.98                759.14     0.000312
 5.74   2786401.00    47514.93           0.07
BRAZOS RIVER   LOWER BRAZOS   266732.*      PF 1      8003133.00      564.94      758.98                759.13     0.000312
 5.74   2786153.00    47521.53           0.07
BRAZOS RIVER   LOWER BRAZOS   266727.*      PF 1      8003133.00      564.94      758.97                759.13     0.000312
 5.74   2785909.00    47528.09           0.07
BRAZOS RIVER   LOWER BRAZOS   266722.*      PF 1      8003133.00      564.94      758.97                759.13     0.000312
 5.74   2785639.00    47534.75           0.07
BRAZOS RIVER   LOWER BRAZOS   266717.*      PF 1      8003133.00      564.94      758.97                759.13     0.000312
 5.74   2785378.00    47541.20           0.07
BRAZOS RIVER   LOWER BRAZOS   266712.*      PF 1      8003133.00      564.94      758.97                759.13     0.000312
 5.74   2785129.00    47547.92           0.07
BRAZOS RIVER   LOWER BRAZOS   266707.*      PF 1      8003133.00      564.93      758.97                759.13     0.000312
 5.74   2784862.00    47554.52           0.07
BRAZOS RIVER   LOWER BRAZOS   266702.*      PF 1      8003133.00      564.93      758.97                759.13     0.000312
 5.74   2784612.00    47561.04           0.07
BRAZOS RIVER   LOWER BRAZOS   266697.*      PF 1      8003133.00      564.93      758.96                759.12     0.000313
 5.74   2784327.00    47567.75           0.07
BRAZOS RIVER   LOWER BRAZOS   266692.*      PF 1      8003133.00      564.93      758.96                759.12     0.000313
 5.74   2784072.00    47574.19           0.07
BRAZOS RIVER   LOWER BRAZOS   266687.*      PF 1      8003133.00      564.93      758.96                759.12     0.000313
 5.74   2783830.00    47580.86           0.07
BRAZOS RIVER   LOWER BRAZOS   266682.*      PF 1      8003133.00      564.93      758.96                759.12     0.000313
 5.74   2783547.00    47587.31           0.07
BRAZOS RIVER   LOWER BRAZOS   266677.*      PF 1      8003133.00      564.92      758.96                759.12     0.000313
 5.75   2783296.00    47594.01           0.07
BRAZOS RIVER   LOWER BRAZOS   266672.*      PF 1      8003133.00      564.92      758.96                759.12     0.000313
 5.75   2783048.00    47600.46           0.07
BRAZOS RIVER   LOWER BRAZOS   266667.*      PF 1      8003133.00      564.92      758.95                759.11     0.000313
 5.75   2782761.00    47607.14           0.07
BRAZOS RIVER   LOWER BRAZOS   266662.*      PF 1      8003133.00      564.92      758.95                759.11     0.000313
 5.75   2782511.00    47613.84           0.07
BRAZOS RIVER   LOWER BRAZOS   266657.*      PF 1      8003133.00      564.92      758.95                759.11     0.000313
 5.75   2782227.00    47620.27           0.07
BRAZOS RIVER   LOWER BRAZOS   266652.*      PF 1      8003133.00      564.92      758.95                759.11     0.000313
 5.75   2781983.00    47626.98           0.07
BRAZOS RIVER   LOWER BRAZOS   266647.*      PF 1      8003133.00      564.91      758.95                759.11     0.000313
 5.75   2781725.00    47633.39           0.07
BRAZOS RIVER   LOWER BRAZOS   266642.*      PF 1      8003133.00      564.91      758.95                759.11     0.000314
 5.75   2781430.00    47640.10           0.07
BRAZOS RIVER   LOWER BRAZOS   266637.*      PF 1      8003133.00      564.91      758.94                759.10     0.000314
 5.75   2781196.00    47646.65           0.07
BRAZOS RIVER   LOWER BRAZOS   266632.*      PF 1      8003133.00      564.91      758.94                759.10     0.000314
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 5.75   2780934.00    47653.24           0.07
BRAZOS RIVER   LOWER BRAZOS   266627.*      PF 1      8003133.00      564.91      758.94                759.10      0.000314
 5.75   2780653.00    47659.91           0.07
BRAZOS RIVER   LOWER BRAZOS   266622.*      PF 1      8003133.00      564.91      758.94                759.10      0.000314
 5.76   2780401.00    47666.36           0.07
BRAZOS RIVER   LOWER BRAZOS   266617.*      PF 1      8003133.00      564.90      758.94                759.10      0.000314
 5.76   2780134.00    47673.05           0.07
BRAZOS RIVER   LOWER BRAZOS   266612.*      PF 1      8003133.00      564.90      758.94                759.10      0.000314
 5.76   2779879.00    47679.60           0.07
BRAZOS RIVER   LOWER BRAZOS   266607.*      PF 1      8003133.00      564.90      758.93                759.10      0.000314
 5.76   2779595.00    47686.17           0.07
BRAZOS RIVER   LOWER BRAZOS   266602.*      PF 1      8003133.00      564.90      758.93                759.09      0.000314
 5.76   2779336.00    47692.72           0.07
BRAZOS RIVER   LOWER BRAZOS   266597.*      PF 1      8003133.00      564.90      758.93                759.09      0.000314
 5.76   2779077.00    47699.31           0.07
BRAZOS RIVER   LOWER BRAZOS   266592.*      PF 1      8003133.00      564.90      758.93                759.09      0.000315
 5.76   2778795.00    47705.98           0.07
BRAZOS RIVER   LOWER BRAZOS   266587.*      PF 1      8003133.00      564.90      758.93                759.09      0.000315
 5.76   2778534.00    47712.41           0.07
BRAZOS RIVER   LOWER BRAZOS   266582.*      PF 1      8003133.00      564.89      758.93                759.09      0.000315
 5.76   2778236.00    47719.11           0.07
BRAZOS RIVER   LOWER BRAZOS   266577.*      PF 1      8003133.00      564.89      758.92                759.09      0.000315
 5.76   2778007.00    47725.66           0.07
BRAZOS RIVER   LOWER BRAZOS   266572.*      PF 1      8003133.00      564.89      758.92                759.08      0.000315
 5.77   2777729.00    47732.21           0.07
BRAZOS RIVER   LOWER BRAZOS   266567.*      PF 1      8003133.00      564.89      758.92                759.08      0.000315
 5.77   2777440.00    47738.77           0.07
BRAZOS RIVER   LOWER BRAZOS   266562.*      PF 1      8003133.00      564.89      758.92                759.08      0.000315
 5.77   2777167.00    47745.36           0.07
BRAZOS RIVER   LOWER BRAZOS   266557.*      PF 1      8003133.00      564.89      758.92                759.08      0.000315
 5.77   2776932.00    47752.06           0.07
BRAZOS RIVER   LOWER BRAZOS   266552.*      PF 1      8003133.00      564.88      758.92                759.08      0.000315
 5.77   2776652.00    47758.57           0.07
BRAZOS RIVER   LOWER BRAZOS   266547.*      PF 1      8003133.00      564.88      758.91                759.08      0.000315
 5.77   2776370.00    47765.16           0.07
BRAZOS RIVER   LOWER BRAZOS   266542.*      PF 1      8003133.00      564.88      758.91                759.07      0.000315
 5.77   2776136.00    47771.70           0.07
BRAZOS RIVER   LOWER BRAZOS   266537.*      PF 1      8003133.00      564.88      758.91                759.07      0.000316
 5.77   2775847.00    47778.30           0.07
BRAZOS RIVER   LOWER BRAZOS   266532.*      PF 1      8003133.00      564.88      758.91                759.07      0.000316
 5.77   2775580.00    47784.81           0.07
BRAZOS RIVER   LOWER BRAZOS   266527.*      PF 1      8003133.00      564.88      758.91                759.07      0.000316
 5.77   2775302.00    47791.51           0.07
BRAZOS RIVER   LOWER BRAZOS   266522.*      PF 1      8003133.00      564.87      758.91                759.07      0.000316
 5.77   2775032.00    47797.94           0.07
BRAZOS RIVER   LOWER BRAZOS   266517.*      PF 1      8003133.00      564.87      758.90                759.07      0.000316
 5.78   2774774.00    47804.64           0.07
BRAZOS RIVER   LOWER BRAZOS   266512.*      PF 1      8003133.00      564.87      758.90                759.06      0.000316
 5.78   2774492.00    47811.20           0.07
BRAZOS RIVER   LOWER BRAZOS   266507.*      PF 1      8003133.00      564.87      758.90                759.06      0.000316
 5.78   2774228.00    47817.73           0.07
BRAZOS RIVER   LOWER BRAZOS   266502.*      PF 1      8003133.00      564.87      758.90                759.06      0.000316
 5.78   2773971.00    47824.43           0.07
BRAZOS RIVER   LOWER BRAZOS   266497.*      PF 1      8003133.00      564.87      758.90                759.06      0.000316
 5.78   2773710.00    47830.84           0.07
BRAZOS RIVER   LOWER BRAZOS   266492.*      PF 1      8003133.00      564.86      758.90                759.06      0.000316
 5.78   2773419.00    47837.53           0.07
BRAZOS RIVER   LOWER BRAZOS   266487.*      PF 1      8003133.00      564.86      758.89                759.06      0.000317
 5.78   2773167.00    47843.97           0.07
BRAZOS RIVER   LOWER BRAZOS   266482.*      PF 1      8003133.00      564.86      758.89                759.06      0.000317
 5.78   2772908.00    47850.66           0.07
BRAZOS RIVER   LOWER BRAZOS   266477.*      PF 1      8003133.00      564.86      758.89                759.05      0.000317
 5.78   2772607.00    47857.21           0.07
BRAZOS RIVER   LOWER BRAZOS   266472.*      PF 1      8003133.00      564.86      758.89                759.05      0.000317
 5.78   2772343.00    47863.76           0.07
BRAZOS RIVER   LOWER BRAZOS   266467.*      PF 1      8003133.00      564.86      758.89                759.05      0.000317
 5.78   2772077.00    47870.44           0.07
BRAZOS RIVER   LOWER BRAZOS   266462.*      PF 1      8003133.00      564.85      758.89                759.05      0.000317
 5.79   2771819.00    47876.88           0.07
BRAZOS RIVER   LOWER BRAZOS   266457.*      PF 1      8003133.00      564.85      758.88                759.05      0.000317
 5.79   2771531.00    47883.54           0.07
BRAZOS RIVER   LOWER BRAZOS   266452.*      PF 1      8003133.00      564.85      758.88                759.05      0.000317
 5.79   2771256.00    47889.99           0.07
BRAZOS RIVER   LOWER BRAZOS   266447.*      PF 1      8003133.00      564.85      758.88                759.04      0.000317
 5.79   2770982.00    47896.67           0.07
BRAZOS RIVER   LOWER BRAZOS   266442.*      PF 1      8003133.00      564.85      758.88                759.04      0.000317
 5.79   2770730.00    47903.36           0.07
BRAZOS RIVER   LOWER BRAZOS   266437.*      PF 1      8003133.00      564.85      758.88                759.04      0.000317
 5.79   2770458.00    47909.77           0.07
BRAZOS RIVER   LOWER BRAZOS   266432.*      PF 1      8003133.00      564.84      758.88                759.04      0.000318
 5.79   2770176.00    47916.45           0.07
BRAZOS RIVER   LOWER BRAZOS   266427.*      PF 1      8003133.00      564.84      758.87                759.04      0.000318
 5.79   2769924.00    47922.88           0.07
BRAZOS RIVER   LOWER BRAZOS   266422.*      PF 1      8003133.00      564.84      758.87                759.04      0.000318
 5.79   2769663.00    47929.57           0.07
BRAZOS RIVER   LOWER BRAZOS   266417.*      PF 1      8003133.00      564.84      758.87                759.03      0.000318
 5.79   2769352.00    47936.08           0.07
BRAZOS RIVER   LOWER BRAZOS   266412.*      PF 1      8003133.00      564.84      758.87                759.03      0.000318
 5.79   2769100.00    47942.66           0.07
BRAZOS RIVER   LOWER BRAZOS   266407.*      PF 1      8003133.00      564.84      758.87                759.03      0.000318
 5.80   2768833.00    47949.35           0.07
BRAZOS RIVER   LOWER BRAZOS   266402.*      PF 1      8003133.00      564.83      758.87                759.03      0.000318
 5.80   2768526.00    47955.78           0.07
BRAZOS RIVER   LOWER BRAZOS   266397.*      PF 1      8003133.00      564.83      758.87                759.03      0.000318
 5.80   2768267.00    47962.45           0.07
BRAZOS RIVER   LOWER BRAZOS   266392.*      PF 1      8003133.00      564.83      758.86                759.03      0.000318
 5.80   2767983.00    47968.88           0.07
BRAZOS RIVER   LOWER BRAZOS   266387.*      PF 1      8003133.00      564.83      758.86                759.03      0.000318
 5.80   2767715.00    47975.55           0.07
BRAZOS RIVER   LOWER BRAZOS   266382.*      PF 1      8003133.00      564.83      758.86                759.02      0.000319
 5.80   2767430.00    47982.07           0.07
BRAZOS RIVER   LOWER BRAZOS   266377.*      PF 1      8003133.00      564.83      758.86                759.02      0.000319
 5.80   2767167.00    47988.65           0.07
BRAZOS RIVER   LOWER BRAZOS   266372.*      PF 1      8003133.00      564.82      758.86                759.02      0.000319
 5.80   2766872.00    47995.18           0.07
BRAZOS RIVER   LOWER BRAZOS   266367.*      PF 1      8003133.00      564.82      758.86                759.02      0.000319
 5.80   2766607.00    48001.76           0.07
BRAZOS RIVER   LOWER BRAZOS   266362.*      PF 1      8003133.00      564.82      758.85                759.02      0.000319
 5.80   2766335.00    48008.42           0.07
BRAZOS RIVER   LOWER BRAZOS   266357.*      PF 1      8003133.00      564.82      758.85                759.02      0.000319
 5.81   2766026.00    48014.95           0.07
BRAZOS RIVER   LOWER BRAZOS   266352.*      PF 1      8003133.00      564.82      758.85                759.01      0.000319
 5.81   2765806.00    48021.52           0.07
BRAZOS RIVER   LOWER BRAZOS   266347.*      PF 1      8003133.00      564.82      758.85                759.01      0.000319
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 5.81   2765505.00    48028.07            0.07
BRAZOS RIVER   LOWER BRAZOS   266342.*      PF 1      8003133.00      564.81      758.85                  759.01      0.000319
 5.81   2765231.00    48034.62            0.07
BRAZOS RIVER   LOWER BRAZOS   266337.*      PF 1      8003133.00      564.81      758.85                  759.01      0.000319
 5.81   2764948.00    48041.15            0.07
BRAZOS RIVER   LOWER BRAZOS   266333.*      PF 1      8003133.00      564.81      758.84                  759.01      0.000320
 5.81   2764692.00    48047.84            0.07
BRAZOS RIVER   LOWER BRAZOS   266328.*      PF 1      8003133.00      564.81      758.84                  759.01      0.000320
 5.81   2764397.00    48054.41            0.07
BRAZOS RIVER   LOWER BRAZOS   266323.*      PF 1      8003133.00      564.81      758.84                  759.00      0.000320
 5.81   2764125.00    48060.91            0.07
BRAZOS RIVER   LOWER BRAZOS   266318.*      PF 1      8003133.00      564.81      758.84                  759.00      0.000320
 5.81   2763839.00    48067.49            0.07
BRAZOS RIVER   LOWER BRAZOS   266313.*      PF 1      8003133.00      564.80      758.84                  759.00      0.000320
 5.81   2763565.00    48074.02            0.07
BRAZOS RIVER   LOWER BRAZOS   266308.*      PF 1      8003133.00      564.80      758.84                  759.00      0.000320
 5.81   2763313.00    48080.59            0.07
BRAZOS RIVER   LOWER BRAZOS   266303.*      PF 1      8003133.00      564.80      758.83                  759.00      0.000320
 5.82   2763005.00    48087.11            0.07
BRAZOS RIVER   LOWER BRAZOS   266298        PF 1      8003133.00      564.80      758.83      657.82      759.00      0.000320
 5.82   2762744.00    48093.76            0.07
BRAZOS         UPPER BRAZOS   276887        PF 1      6730000.00      568.20      760.05                  760.12      0.000097
 3.21   3174383.00    31767.27            0.04
BRAZOS         UPPER BRAZOS   276884.*      PF 1      6730000.00      568.20      760.05                  760.12      0.000097
 3.21   3174998.00    31771.99            0.04
BRAZOS         UPPER BRAZOS   276881.*      PF 1      6730000.00      568.20      760.05                  760.12      0.000097
 3.21   3175604.00    31776.89            0.04
BRAZOS         UPPER BRAZOS   276878.*      PF 1      6730000.00      568.20      760.05                  760.12      0.000097
 3.21   3176221.00    31781.51            0.04
BRAZOS         UPPER BRAZOS   276875.*      PF 1      6730000.00      568.20      760.05                  760.12      0.000097
 3.21   3176831.00    31786.11            0.04
BRAZOS         UPPER BRAZOS   276872.*      PF 1      6730000.00      568.19      760.05                  760.12      0.000097
 3.21   3177439.00    31791.02            0.04
BRAZOS         UPPER BRAZOS   276869.*      PF 1      6730000.00      568.19      760.05                  760.12      0.000097
 3.21   3178045.00    31795.80            0.04
BRAZOS         UPPER BRAZOS   276866.*      PF 1      6730000.00      568.19      760.05                  760.12      0.000097
 3.21   3178645.00    31800.58            0.04
BRAZOS         UPPER BRAZOS   276863.*      PF 1      6730000.00      568.19      760.05                  760.12      0.000097
 3.21   3179245.00    31805.03            0.04
BRAZOS         UPPER BRAZOS   276860.*      PF 1      6730000.00      568.19      760.05                  760.12      0.000097
 3.21   3179881.00    31809.95            0.04
BRAZOS         UPPER BRAZOS   276857.*      PF 1      6730000.00      568.19      760.05                  760.12      0.000097
 3.21   3180475.00    31814.73            0.04
BRAZOS         UPPER BRAZOS   276854.*      PF 1      6730000.00      568.19      760.05                  760.12      0.000096
 3.21   3181083.00    31819.52            0.04
BRAZOS         UPPER BRAZOS   276852.*      PF 1      6730000.00      568.19      760.05                  760.12      0.000096
 3.21   3181692.00    31824.31            0.04
BRAZOS         UPPER BRAZOS   276849.*      PF 1      6730000.00      568.19      760.05                  760.12      0.000096
 3.21   3182290.00    31828.91            0.04
BRAZOS         UPPER BRAZOS   276846.*      PF 1      6730000.00      568.18      760.05                  760.12      0.000096
 3.20   3182901.00    31833.70            0.04
BRAZOS         UPPER BRAZOS   276843.*      PF 1      6730000.00      568.18      760.05                  760.12      0.000096
 3.20   3183531.00    31838.54            0.04
BRAZOS         UPPER BRAZOS   276840.*      PF 1      6730000.00      568.18      760.04                  760.12      0.000096
 3.20   3184129.00    31843.49            0.04
BRAZOS         UPPER BRAZOS   276837.*      PF 1      6730000.00      568.18      760.04                  760.12      0.000096
 3.20   3184741.00    31848.28            0.04
BRAZOS         UPPER BRAZOS   276834.*      PF 1      6730000.00      568.18      760.04                  760.12      0.000096
 3.20   3185345.00    31852.75            0.04
BRAZOS         UPPER BRAZOS   276831.*      PF 1      6730000.00      568.18      760.04                  760.12      0.000096
 3.20   3185926.00    31857.55            0.04
BRAZOS         UPPER BRAZOS   276828.*      PF 1      6730000.00      568.18      760.04                  760.11      0.000096
 3.20   3186565.00    31862.50            0.04
BRAZOS         UPPER BRAZOS   276825.*      PF 1      6730000.00      568.18      760.04                  760.11      0.000096
 3.20   3187177.00    31867.30            0.04
BRAZOS         UPPER BRAZOS   276822.*      PF 1      6730000.00      568.18      760.04                  760.11      0.000096
 3.20   3187788.00    31871.95            0.04
BRAZOS         UPPER BRAZOS   276819.*      PF 1      6730000.00      568.17      760.04                  760.11      0.000096
 3.20   3188384.00    31876.90            0.04
BRAZOS         UPPER BRAZOS   276817.*      PF 1      6730000.00      568.17      760.04                  760.11      0.000096
 3.20   3188987.00    31881.55            0.04
BRAZOS         UPPER BRAZOS   276814.*      PF 1      6730000.00      568.17      760.04                  760.11      0.000096
 3.20   3189601.00    31886.35            0.04
BRAZOS         UPPER BRAZOS   276811.*      PF 1      6730000.00      568.17      760.04                  760.11      0.000096
 3.20   3190193.00    31891.17            0.04
BRAZOS         UPPER BRAZOS   276808.*      PF 1      6730000.00      568.17      760.04                  760.11      0.000096
 3.20   3190811.00    31895.98            0.04
BRAZOS         UPPER BRAZOS   276805.*      PF 1      6730000.00      568.17      760.04                  760.11      0.000096
 3.19   3191421.00    31900.79            0.04
BRAZOS         UPPER BRAZOS   276802.*      PF 1      6730000.00      568.17      760.04                  760.11      0.000096
 3.19   3192011.00    31905.44            0.04
BRAZOS         UPPER BRAZOS   276799.*      PF 1      6730000.00      568.17      760.04                  760.11      0.000096
 3.19   3192625.00    31910.27            0.04
BRAZOS         UPPER BRAZOS   276796.*      PF 1      6730000.00      568.17      760.04                  760.11      0.000096
 3.19   3193216.00    31915.24            0.04
BRAZOS         UPPER BRAZOS   276793.*      PF 1      6730000.00      568.16      760.04                  760.11      0.000096
 3.19   3193829.00    31919.90            0.04
BRAZOS         UPPER BRAZOS   276790.*      PF 1      6730000.00      568.16      760.04                  760.11      0.000096
 3.19   3194452.00    31924.74            0.04
BRAZOS         UPPER BRAZOS   276787.*      PF 1      6730000.00      568.16      760.04                  760.11      0.000096
 3.19   3195043.00    31929.55            0.04
BRAZOS         UPPER BRAZOS   276784.*      PF 1      6730000.00      568.16      760.04                  760.11      0.000095
 3.19   3195657.00    31934.38            0.04
BRAZOS         UPPER BRAZOS   276781.*      PF 1      6730000.00      568.16      760.03                  760.11      0.000095
 3.19   3196245.00    31939.05            0.04
BRAZOS         UPPER BRAZOS   276779.*      PF 1      6730000.00      568.16      760.03                  760.11      0.000095
 3.19   3196854.00    31943.90            0.04
BRAZOS         UPPER BRAZOS   276776.*      PF 1      6730000.00      568.16      760.03                  760.11      0.000095
 3.19   3197451.00    31948.88            0.04
BRAZOS         UPPER BRAZOS   276773.*      PF 1      6730000.00      568.16      760.03                  760.10      0.000095
 3.19   3198065.00    31953.55            0.04
BRAZOS         UPPER BRAZOS   276770.*      PF 1      6730000.00      568.16      760.03                  760.10      0.000095
 3.19   3198666.00    31958.40            0.04
BRAZOS         UPPER BRAZOS   276767.*      PF 1      6730000.00      568.15      760.03                  760.10      0.000095
 3.19   3199276.00    31963.23            0.04
BRAZOS         UPPER BRAZOS   276764.*      PF 1      6730000.00      568.15      760.03                  760.10      0.000095
 3.18   3199861.00    31968.08            0.04
BRAZOS         UPPER BRAZOS   276761.*      PF 1      6730000.00      568.15      760.03                  760.10      0.000095
 3.18   3200486.00    31972.93            0.04
BRAZOS         UPPER BRAZOS   276758.*      PF 1      6730000.00      568.15      760.03                  760.10      0.000095
 3.18   3201096.00    31977.61            0.04
BRAZOS         UPPER BRAZOS   276755.*      PF 1      6730000.00      568.15      760.03                  760.10      0.000095
 3.18   3201709.00    31982.66            0.04
BRAZOS         UPPER BRAZOS   276752.*      PF 1      6730000.00      568.15      760.03                  760.10      0.000095
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 3.18   3202305.00    31987.35            0.04
BRAZOS          UPPER BRAZOS   276749.*      PF 1      6730000.00      568.15      760.03                  760.10     0.000095
 3.18   3202903.00    31992.22            0.04
BRAZOS          UPPER BRAZOS   276746.*      PF 1      6730000.00      568.15      760.03                  760.10     0.000095
 3.18   3203499.00    31997.08            0.04
BRAZOS          UPPER BRAZOS   276744.*      PF 1      6730000.00      568.15      760.03                  760.10     0.000095
 3.18   3204100.00    32001.92            0.04
BRAZOS          UPPER BRAZOS   276741.*      PF 1      6730000.00      568.15      760.03                  760.10     0.000095
 3.18   3204717.00    32006.64            0.04
BRAZOS          UPPER BRAZOS   276738.*      PF 1      6730000.00      568.14      760.03                  760.10     0.000095
 3.18   3205331.00    32011.51            0.04
BRAZOS          UPPER BRAZOS   276735.*      PF 1      6730000.00      568.14      760.03                  760.10     0.000095
 3.18   3205927.00    32016.54            0.04
BRAZOS          UPPER BRAZOS   276732.*      PF 1      6730000.00      568.14      760.03                  760.10     0.000095
 3.18   3206523.00    32021.40            0.04
BRAZOS          UPPER BRAZOS   276729.*      PF 1      6730000.00      568.14      760.03                  760.10     0.000095
 3.18   3207129.00    32026.11            0.04
BRAZOS          UPPER BRAZOS   276726.*      PF 1      6730000.00      568.14      760.03                  760.10     0.000095
 3.17   3207739.00    32030.84            0.04
BRAZOS          UPPER BRAZOS   276723.*      PF 1      6730000.00      568.14      760.03                  760.10     0.000095
 3.17   3208333.00    32035.87            0.04
BRAZOS          UPPER BRAZOS   276720.*      PF 1      6730000.00      568.14      760.03                  760.10     0.000095
 3.17   3208953.00    32040.75            0.04
BRAZOS          UPPER BRAZOS   276717.*      PF 1      6730000.00      568.14      760.02                  760.10     0.000095
 3.17   3209564.00    32045.63            0.04
BRAZOS          UPPER BRAZOS   276714.*      PF 1      6730000.00      568.14      760.02                  760.10     0.000094
 3.17   3210137.00    32050.51            0.04
BRAZOS          UPPER BRAZOS   276711.*      PF 1      6730000.00      568.13      760.02                  760.09     0.000094
 3.17   3210750.00    32055.25            0.04
BRAZOS          UPPER BRAZOS   276709.*      PF 1      6730000.00      568.13      760.02                  760.09     0.000094
 3.17   3211356.00    32060.14            0.04
BRAZOS          UPPER BRAZOS   276706.*      PF 1      6730000.00      568.13      760.02                  760.09     0.000094
 3.17   3211961.00    32065.03            0.04
BRAZOS          UPPER BRAZOS   276703.*      PF 1      6730000.00      568.13      760.02                  760.09     0.000094
 3.17   3212578.00    32070.08            0.04
BRAZOS          UPPER BRAZOS   276700.*      PF 1      6730000.00      568.13      760.02                  760.09     0.000094
 3.17   3213164.00    32074.66            0.04
BRAZOS          UPPER BRAZOS   276697.*      PF 1      6730000.00      568.13      760.02                  760.09     0.000094
 3.17   3213774.00    32079.55            0.04
BRAZOS          UPPER BRAZOS   276694.*      PF 1      6730000.00      568.13      760.02                  760.09     0.000094
 3.17   3214376.00    32084.46            0.04
BRAZOS          UPPER BRAZOS   276691.*      PF 1      6730000.00      568.13      760.02                  760.09     0.000094
 3.17   3214964.00    32089.52            0.04
BRAZOS          UPPER BRAZOS   276688.*      PF 1      6730000.00      568.13      760.02                  760.09     0.000094
 3.16   3215590.00    32094.43            0.04
BRAZOS          UPPER BRAZOS   276685.*      PF 1      6730000.00      568.12      760.02                  760.09     0.000094
 3.16   3216176.00    32099.20            0.04
BRAZOS          UPPER BRAZOS   276682.*      PF 1      6730000.00      568.12      760.02                  760.09     0.000094
 3.16   3216785.00    32104.09            0.04
BRAZOS          UPPER BRAZOS   276679.*      PF 1      6730000.00      568.12      760.02                  760.09     0.000094
 3.16   3217374.00    32109.00            0.04
BRAZOS          UPPER BRAZOS   276676.*      PF 1      6730000.00      568.12      760.02                  760.09     0.000094
 3.16   3217973.00    32113.92            0.04
BRAZOS          UPPER BRAZOS   276674.*      PF 1      6730000.00      568.12      760.02                  760.09     0.000094
 3.16   3218584.00    32118.83            0.04
BRAZOS          UPPER BRAZOS   276671.*      PF 1      6730000.00      568.12      760.02                  760.09     0.000094
 3.16   3219201.00    32123.77            0.04
BRAZOS          UPPER BRAZOS   276668.*      PF 1      6730000.00      568.12      760.02                  760.09     0.000094
 3.16   3219786.00    32128.55            0.04
BRAZOS          UPPER BRAZOS   276665.*      PF 1      6730000.00      568.12      760.02                  760.09     0.000094
 3.16   3220403.00    32133.48            0.04
BRAZOS          UPPER BRAZOS   276662.*      PF 1      6730000.00      568.12      760.02                  760.09     0.000094
 3.16   3221007.00    32138.57            0.04
BRAZOS          UPPER BRAZOS   276659.*      PF 1      6730000.00      568.11      760.02                  760.09     0.000094
 3.16   3221601.00    32143.35            0.04
BRAZOS          UPPER BRAZOS   276656.*      PF 1      6730000.00      568.11      760.02                  760.09     0.000094
 3.16   3222202.00    32148.29            0.04
BRAZOS          UPPER BRAZOS   276653.*      PF 1      6730000.00      568.11      760.02                  760.09     0.000094
 3.16   3222798.00    32153.05            0.04
BRAZOS          UPPER BRAZOS   276650.*      PF 1      6730000.00      568.11      760.02                  760.09     0.000094
 3.16   3223401.00    32158.14            0.04
BRAZOS          UPPER BRAZOS   276647.*      PF 1      6730000.00      568.11      760.01                  760.08     0.000094
 3.15   3224010.00    32163.07            0.04
BRAZOS          UPPER BRAZOS   276644.*      PF 1      6730000.00      568.11      760.01                  760.08     0.000094
 3.15   3224601.00    32167.88            0.04
BRAZOS          UPPER BRAZOS   276641.*      PF 1      6730000.00      568.11      760.01                  760.08     0.000093
 3.15   3225202.00    32172.83            0.04
BRAZOS          UPPER BRAZOS   276639.*      PF 1      6730000.00      568.11      760.01                  760.08     0.000093
 3.15   3225819.00    32177.75            0.04
BRAZOS          UPPER BRAZOS   276636.*      PF 1      6730000.00      568.11      760.01                  760.08     0.000093
 3.15   3226408.00    32182.70            0.04
BRAZOS          UPPER BRAZOS   276633.*      PF 1      6730000.00      568.10      760.01                  760.08     0.000093
 3.15   3227009.00    32187.66            0.04
BRAZOS          UPPER BRAZOS   276630.*      PF 1      6730000.00      568.10      760.01                  760.08     0.000093
 3.15   3227615.00    32192.64            0.04
BRAZOS          UPPER BRAZOS   276627.*      PF 1      6730000.00      568.10      760.01                  760.08     0.000093
 3.15   3228215.00    32197.60            0.04
BRAZOS          UPPER BRAZOS   276624.*      PF 1      6730000.00      568.10      760.01                  760.08     0.000093
 3.15   3228785.00    32202.37            0.04
BRAZOS          UPPER BRAZOS   276621.*      PF 1      6730000.00      568.10      760.01                  760.08     0.000093
 3.15   3229412.00    32207.33            0.04
BRAZOS          UPPER BRAZOS   276618.*      PF 1      6730000.00      568.10      760.01                  760.08     0.000093
 3.15   3230007.00    32212.32            0.04
BRAZOS          UPPER BRAZOS   276615.*      PF 1      6730000.00      568.10      760.01                  760.08     0.000093
 3.15   3230600.00    32217.29            0.04
BRAZOS          UPPER BRAZOS   276612.*      PF 1      6730000.00      568.10      760.01                  760.08     0.000093
 3.15   3231208.00    32222.26            0.04
BRAZOS          UPPER BRAZOS   276609.*      PF 1      6730000.00      568.10      760.01                  760.08     0.000093
 3.14   3231796.00    32227.20            0.04
BRAZOS          UPPER BRAZOS   276606.*      PF 1      6730000.00      568.09      760.01                  760.08     0.000093
 3.14   3232386.00    32232.18            0.04
BRAZOS          UPPER BRAZOS   276604.*      PF 1      6730000.00      568.09      760.01                  760.08     0.000093
 3.14   3233008.00    32237.03            0.04
BRAZOS          UPPER BRAZOS   276601.*      PF 1      6730000.00      568.09      760.01                  760.08     0.000093
 3.14   3233612.00    32242.01            0.04
BRAZOS          UPPER BRAZOS   276598.*      PF 1      6730000.00      568.09      760.01                  760.08     0.000093
 3.14   3234192.00    32247.15            0.04
BRAZOS          UPPER BRAZOS   276595.*      PF 1      6730000.00      568.09      760.01                  760.08     0.000093
 3.14   3234784.00    32251.95            0.04
BRAZOS          UPPER BRAZOS   276592.*      PF 1      6730000.00      568.09      760.01                  760.08     0.000093
 3.14   3235385.00    32256.93            0.04
BRAZOS          UPPER BRAZOS   276589.*      PF 1      6730000.00      568.09      760.01                  760.08     0.000093
 3.14   3235980.00    32261.80            0.04
BRAZOS          UPPER BRAZOS   276586.*      PF 1      6730000.00      568.09      760.01                  760.08     0.000093
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 3.14   3236579.00    32266.95            0.04
BRAZOS          UPPER BRAZOS   276583.*      PF 1      6730000.00      568.09      760.01                  760.07     0.000093
 3.14   3237189.00    32271.95            0.04
BRAZOS          UPPER BRAZOS   276580.*      PF 1      6730000.00      568.08      760.00                  760.07     0.000093
 3.14   3237785.00    32276.79            0.04
BRAZOS          UPPER BRAZOS   276577.*      PF 1      6730000.00      568.08      760.00                  760.07     0.000093
 3.14   3238388.00    32281.82            0.04
BRAZOS          UPPER BRAZOS   276574.*      PF 1      6730000.00      568.08      760.00                  760.07     0.000093
 3.14   3238962.00    32286.82            0.04
BRAZOS          UPPER BRAZOS   276571.*      PF 1      6730000.00      568.08      760.00                  760.07     0.000093
 3.13   3239582.00    32291.83            0.04
BRAZOS          UPPER BRAZOS   276568.*      PF 1      6730000.00      568.08      760.00                  760.07     0.000093
 3.13   3240189.00    32296.85            0.04
BRAZOS          UPPER BRAZOS   276566.*      PF 1      6730000.00      568.08      760.00                  760.07     0.000092
 3.13   3240793.00    32302.02            0.04
BRAZOS          UPPER BRAZOS   276563.*      PF 1      6730000.00      568.08      760.00                  760.07     0.000092
 3.13   3241362.00    32306.71            0.04
BRAZOS          UPPER BRAZOS   276560.*      PF 1      6730000.00      568.08      760.00                  760.07     0.000092
 3.13   3241955.00    32311.73            0.04
BRAZOS          UPPER BRAZOS   276557.*      PF 1      6730000.00      568.08      760.00                  760.07     0.000092
 3.13   3242548.00    32316.91            0.04
BRAZOS          UPPER BRAZOS   276554.*      PF 1      6730000.00      568.07      760.00                  760.07     0.000092
 3.13   3243164.00    32321.94            0.04
BRAZOS          UPPER BRAZOS   276551.*      PF 1      6730000.00      568.07      760.00                  760.07     0.000092
 3.13   3243755.00    32326.96            0.04
BRAZOS          UPPER BRAZOS   276548.*      PF 1      6730000.00      568.07      760.00                  760.07     0.000092
 3.13   3244354.00    32331.67            0.04
BRAZOS          UPPER BRAZOS   276545.*      PF 1      6730000.00      568.07      760.00                  760.07     0.000092
 3.13   3244953.00    32336.86            0.04
BRAZOS          UPPER BRAZOS   276542.*      PF 1      6730000.00      568.07      760.00                  760.07     0.000092
 3.13   3245540.00    32341.90            0.04
BRAZOS          UPPER BRAZOS   276539.*      PF 1      6730000.00      568.07      760.00                  760.07     0.000092
 3.13   3246144.00    32346.93            0.04
BRAZOS          UPPER BRAZOS   276536.*      PF 1      6730000.00      568.07      760.00                  760.07     0.000092
 3.13   3246752.00    32351.85            0.04
BRAZOS          UPPER BRAZOS   276533.*      PF 1      6730000.00      568.07      760.00                  760.07     0.000092
 3.13   3247339.00    32356.86            0.04
BRAZOS          UPPER BRAZOS   276531.*      PF 1      6730000.00      568.07      760.00                  760.07     0.000092
 3.12   3247933.00    32361.90            0.04
BRAZOS          UPPER BRAZOS   276528.*      PF 1      6730000.00      568.06      760.00                  760.07     0.000092
 3.12   3248511.00    32366.95            0.04
BRAZOS          UPPER BRAZOS   276525.*      PF 1      6730000.00      568.06      760.00                  760.07     0.000092
 3.12   3249113.00    32372.17            0.04
BRAZOS          UPPER BRAZOS   276522.*      PF 1      6730000.00      568.06      760.00                  760.07     0.000092
 3.12   3249721.00    32377.10            0.04
BRAZOS          UPPER BRAZOS   276519.*      PF 1      6730000.00      568.06      760.00                  760.06     0.000092
 3.12   3250302.00    32381.95            0.04
BRAZOS          UPPER BRAZOS   276516.*      PF 1      6730000.00      568.06      760.00                  760.06     0.000092
 3.12   3250901.00    32387.02            0.04
BRAZOS          UPPER BRAZOS   276513.*      PF 1      6730000.00      568.06      759.99                  760.06     0.000092
 3.12   3251511.00    32392.25            0.04
BRAZOS          UPPER BRAZOS   276510.*      PF 1      6730000.00      568.06      759.99                  760.06     0.000092
 3.12   3252092.00    32397.32            0.04
BRAZOS          UPPER BRAZOS   276507.*      PF 1      6730000.00      568.06      759.99                  760.06     0.000092
 3.12   3252684.00    32402.26            0.04
BRAZOS          UPPER BRAZOS   276504.*      PF 1      6730000.00      568.06      759.99                  760.06     0.000092
 3.12   3253282.00    32407.29            0.04
BRAZOS          UPPER BRAZOS   276501.*      PF 1      6730000.00      568.05      759.99                  760.06     0.000092
 3.12   3253890.00    32412.37            0.04
BRAZOS          UPPER BRAZOS   276498.*      PF 1      6730000.00      568.05      759.99                  760.06     0.000092
 3.12   3254465.00    32417.45            0.04
BRAZOS          UPPER BRAZOS   276496.*      PF 1      6730000.00      568.05      759.99                  760.06     0.000092
 3.12   3255081.00    32422.43            0.04
BRAZOS          UPPER BRAZOS   276493.*      PF 1      6730000.00      568.05      759.99                  760.06     0.000092
 3.11   3255669.00    32427.67            0.04
BRAZOS          UPPER BRAZOS   276490.*      PF 1      6730000.00      568.05      759.99                  760.06     0.000092
 3.11   3256247.00    32432.56            0.04
BRAZOS          UPPER BRAZOS   276487.*      PF 1      6730000.00      568.05      759.99                  760.06     0.000091
 3.11   3256843.00    32437.64            0.04
BRAZOS          UPPER BRAZOS   276484.*      PF 1      6730000.00      568.05      759.99                  760.06     0.000091
 3.11   3257450.00    32442.74            0.04
BRAZOS          UPPER BRAZOS   276481.*      PF 1      6730000.00      568.05      759.99                  760.06     0.000091
 3.11   3258055.00    32447.88            0.04
BRAZOS          UPPER BRAZOS   276478.*      PF 1      6730000.00      568.05      759.99                  760.06     0.000091
 3.11   3258628.00    32452.98            0.04
BRAZOS          UPPER BRAZOS   276475.*      PF 1      6730000.00      568.04      759.99                  760.06     0.000091
 3.11   3259228.00    32457.88            0.04
BRAZOS          UPPER BRAZOS   276472.*      PF 1      6730000.00      568.04      759.99                  760.06     0.000091
 3.11   3259830.00    32463.14            0.04
BRAZOS          UPPER BRAZOS   276469.*      PF 1      6730000.00      568.04      759.99                  760.06     0.000091
 3.11   3260415.00    32468.25            0.04
BRAZOS          UPPER BRAZOS   276466.*      PF 1      6730000.00      568.04      759.99                  760.06     0.000091
 3.11   3261016.00    32473.24            0.04
BRAZOS          UPPER BRAZOS   276463.*      PF 1      6730000.00      568.04      759.99                  760.06     0.000091
 3.11   3261604.00    32478.36            0.04
BRAZOS          UPPER BRAZOS   276461.*      PF 1      6730000.00      568.04      759.99                  760.06     0.000091
 3.11   3262196.00    32483.42            0.04
BRAZOS          UPPER BRAZOS   276458.*      PF 1      6730000.00      568.04      759.99                  760.06     0.000091
 3.11   3262791.00    32488.54            0.04
BRAZOS          UPPER BRAZOS   276455.*      PF 1      6730000.00      568.04      759.99                  760.06     0.000091
 3.11   3263370.00    32493.54            0.04
BRAZOS          UPPER BRAZOS   276452.*      PF 1      6730000.00      568.04      759.99                  760.05     0.000091
 3.10   3263963.00    32498.85            0.04
BRAZOS          UPPER BRAZOS   276449.*      PF 1      6730000.00      568.04      759.99                  760.05     0.000091
 3.10   3264575.00    32503.97            0.04
BRAZOS          UPPER BRAZOS   276446.*      PF 1      6730000.00      568.03      759.99                  760.05     0.000091
 3.10   3265165.00    32508.89            0.04
BRAZOS          UPPER BRAZOS   276443.*      PF 1      6730000.00      568.03      759.98                  760.05     0.000091
 3.10   3265749.00    32514.02            0.04
BRAZOS          UPPER BRAZOS   276440.*      PF 1      6730000.00      568.03      759.98                  760.05     0.000091
 3.10   3266325.00    32519.21            0.04
BRAZOS          UPPER BRAZOS   276437.*      PF 1      6730000.00      568.03      759.98                  760.05     0.000091
 3.10   3266919.00    32524.36            0.04
BRAZOS          UPPER BRAZOS   276434.*      PF 1      6730000.00      568.03      759.98                  760.05     0.000091
 3.10   3267521.00    32529.50            0.04
BRAZOS          UPPER BRAZOS   276431.*      PF 1      6730000.00      568.03      759.98                  760.05     0.000091
 3.10   3268118.00    32534.64            0.04
BRAZOS          UPPER BRAZOS   276428.*      PF 1      6730000.00      568.03      759.98                  760.05     0.000091
 3.10   3268711.00    32539.75            0.04
BRAZOS          UPPER BRAZOS   276426.*      PF 1      6730000.00      568.03      759.98                  760.05     0.000091
 3.10   3269303.00    32544.79            0.04
BRAZOS          UPPER BRAZOS   276423.*      PF 1      6730000.00      568.03      759.98                  760.05     0.000091
 3.10   3269884.00    32549.95            0.04
BRAZOS          UPPER BRAZOS   276420.*      PF 1      6730000.00      568.02      759.98                  760.05     0.000091
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 3.10   3270489.00    32597.55            0.04
BRAZOS          UPPER BRAZOS   276417.*      PF 1      6730000.00      568.02      759.98                  760.05      0.000091
 3.10   3271082.00    32669.16            0.04
BRAZOS          UPPER BRAZOS   276414.*      PF 1      6730000.00      568.02      759.98                  760.05      0.000091
 3.09   3271697.00    32759.08            0.04
BRAZOS          UPPER BRAZOS   276411.*      PF 1      6730000.00      568.02      759.98                  760.05      0.000091
 3.09   3272294.00    32787.27            0.04
BRAZOS          UPPER BRAZOS   276408.*      PF 1      6730000.00      568.02      759.98                  760.05      0.000090
 3.09   3272880.00    32806.74            0.04
BRAZOS          UPPER BRAZOS   276405.*      PF 1      6730000.00      568.02      759.98                  760.05      0.000090
 3.09   3273506.00    32826.31            0.04
BRAZOS          UPPER BRAZOS   276402.*      PF 1      6730000.00      568.02      759.98                  760.05      0.000090
 3.09   3274108.00    32845.79            0.04
BRAZOS          UPPER BRAZOS   276399.*      PF 1      6730000.00      568.02      759.98                  760.05      0.000090
 3.09   3274726.00    32865.07            0.04
BRAZOS          UPPER BRAZOS   276396.*      PF 1      6730000.00      568.02      759.98                  760.05      0.000090
 3.09   3275334.00    32886.46            0.04
BRAZOS          UPPER BRAZOS   276393.*      PF 1      6730000.00      568.01      759.98                  760.05      0.000090
 3.09   3275946.00    32906.38            0.04
BRAZOS          UPPER BRAZOS   276390.*      PF 1      6730000.00      568.01      759.98                  760.05      0.000090
 3.09   3276557.00    32926.19            0.04
BRAZOS          UPPER BRAZOS   276388.*      PF 1      6730000.00      568.01      759.98                  760.04      0.000090
 3.09   3277176.00    32946.27            0.04
BRAZOS          UPPER BRAZOS   276385.*      PF 1      6730000.00      568.01      759.98                  760.04      0.000090
 3.09   3277776.00    32965.88            0.04
BRAZOS          UPPER BRAZOS   276382.*      PF 1      6730000.00      568.01      759.98                  760.04      0.000090
 3.09   3278397.00    32985.96            0.04
BRAZOS          UPPER BRAZOS   276379.*      PF 1      6730000.00      568.01      759.98                  760.04      0.000090
 3.09   3279007.00    33007.78            0.04
BRAZOS          UPPER BRAZOS   276376.*      PF 1      6730000.00      568.01      759.97                  760.04      0.000090
 3.09   3279632.00    33028.22            0.04
BRAZOS          UPPER BRAZOS   276373.*      PF 1      6730000.00      568.01      759.97                  760.04      0.000090
 3.08   3280243.00    33048.66            0.04
BRAZOS          UPPER BRAZOS   276370.*      PF 1      6730000.00      568.01      759.97                  760.04      0.000090
 3.08   3280856.00    33068.55            0.04
BRAZOS          UPPER BRAZOS   276367.*      PF 1      6730000.00      568.00      759.97                  760.04      0.000090
 3.08   3281475.00    33089.28            0.04
BRAZOS          UPPER BRAZOS   276364.*      PF 1      6730000.00      568.00      759.97                  760.04      0.000090
 3.08   3282116.00    33110.12            0.04
BRAZOS          UPPER BRAZOS   276361.*      PF 1      6730000.00      568.00      759.97                  760.04      0.000090
 3.08   3282736.00    33132.37            0.04
BRAZOS          UPPER BRAZOS   276358.*      PF 1      6730000.00      568.00      759.97                  760.04      0.000090
 3.08   3283347.00    33153.11            0.04
BRAZOS          UPPER BRAZOS   276355.*      PF 1      6730000.00      568.00      759.97                  760.04      0.000090
 3.08   3283971.00    33173.52            0.04
BRAZOS          UPPER BRAZOS   276353.*      PF 1      6730000.00      568.00      759.97                  760.04      0.000090
 3.08   3284601.00    33194.73            0.04
BRAZOS          UPPER BRAZOS   276350.*      PF 1      6730000.00      568.00      759.97                  760.04      0.000090
 3.08   3285221.00    33215.88            0.04
BRAZOS          UPPER BRAZOS   276347.*      PF 1      6730000.00      568.00      759.97                  760.04      0.000090
 3.08   3285855.00    33237.31            0.04
BRAZOS          UPPER BRAZOS   276344.*      PF 1      6730000.00      568.00      759.97                  760.04      0.000090
 3.08   3286478.00    33258.75            0.04
BRAZOS          UPPER BRAZOS   276341.*      PF 1      6730000.00      567.99      759.97                  760.04      0.000090
 3.08   3287101.00    33280.68            0.04
BRAZOS          UPPER BRAZOS   276338.*      PF 1      6730000.00      567.99      759.97                  760.04      0.000090
 3.08   3287739.00    33302.23            0.04
BRAZOS          UPPER BRAZOS   276335.*      PF 1      6730000.00      567.99      759.97                  760.04      0.000090
 3.08   3288366.00    33324.06            0.04
BRAZOS          UPPER BRAZOS   276332.*      PF 1      6730000.00      567.99      759.97                  760.04      0.000090
 3.07   3289013.00    33345.92            0.04
BRAZOS          UPPER BRAZOS   276329.*      PF 1      6730000.00      567.99      759.97                  760.04      0.000090
 3.07   3289647.00    33367.82            0.04
BRAZOS          UPPER BRAZOS   276326.*      PF 1      6730000.00      567.99      759.97                  760.04      0.000089
 3.07   3290272.00    33388.80            0.04
BRAZOS          UPPER BRAZOS   276323.*      PF 1      6730000.00      567.99      759.97                  760.03      0.000089
 3.07   3290909.00    33412.41            0.04
BRAZOS          UPPER BRAZOS   276320.*      PF 1      6730000.00      567.99      759.97                  760.03      0.000089
 3.07   3291559.00    33434.64            0.04
BRAZOS          UPPER BRAZOS   276318.*      PF 1      6730000.00      567.99      759.97                  760.03      0.000089
 3.07   3292192.00    33456.86            0.04
BRAZOS          UPPER BRAZOS   276315.*      PF 1      6730000.00      567.98      759.97                  760.03      0.000089
 3.07   3292826.00    33479.48            0.04
BRAZOS          UPPER BRAZOS   276312.*      PF 1      6730000.00      567.98      759.97                  760.03      0.000089
 3.07   3293471.00    33502.22            0.04
BRAZOS          UPPER BRAZOS   276309.*      PF 1      6730000.00      567.98      759.97                  760.03      0.000089
 3.07   3294116.00    33523.68            0.04
BRAZOS          UPPER BRAZOS   276306.*      PF 1      6730000.00      567.98      759.96                  760.03      0.000089
 3.07   3294766.00    33547.48            0.04
BRAZOS          UPPER BRAZOS   276303.*      PF 1      6730000.00      567.98      759.96                  760.03      0.000089
 3.07   3295402.00    33570.61            0.04
BRAZOS          UPPER BRAZOS   276300.*      PF 1      6730000.00      567.98      759.96                  760.03      0.000089
 3.07   3296058.00    33593.65            0.04
BRAZOS          UPPER BRAZOS   276297.*      PF 1      6730000.00      567.98      759.96                  760.03      0.000089
 3.07   3296719.00    33616.80            0.04
BRAZOS          UPPER BRAZOS   276294.*      PF 1      6730000.00      567.98      759.96                  760.03      0.000089
 3.07   3297359.00    33639.00            0.04
BRAZOS          UPPER BRAZOS   276291.*      PF 1      6730000.00      567.98      759.96                  760.03      0.000089
 3.06   3297997.00    33662.29            0.04
BRAZOS          UPPER BRAZOS   276288.*      PF 1      6730000.00      567.97      759.96                  760.03      0.000089
 3.06   3298668.00    33685.80            0.04
BRAZOS          UPPER BRAZOS   276285.*      PF 1      6730000.00      567.97      759.96                  760.03      0.000089
 3.06   3299311.00    33710.27            0.04
BRAZOS          UPPER BRAZOS   276283.*      PF 1      6730000.00      567.97      759.96                  760.03      0.000089
 3.06   3299960.00    33734.37            0.04
BRAZOS          UPPER BRAZOS   276280.*      PF 1      6730000.00      567.97      759.96                  760.03      0.000089
 3.06   3300627.00    33756.66            0.04
BRAZOS          UPPER BRAZOS   276277.*      PF 1      6730000.00      567.97      759.96                  760.03      0.000089
 3.06   3301282.00    33780.57            0.04
BRAZOS          UPPER BRAZOS   276274.*      PF 1      6730000.00      567.97      759.96                  760.03      0.000089
 3.06   3301926.00    33804.88            0.04
BRAZOS          UPPER BRAZOS   276271.*      PF 1      6730000.00      567.97      759.96                  760.03      0.000089
 3.06   3302599.00    33829.37            0.04
BRAZOS          UPPER BRAZOS   276268.*      PF 1      6730000.00      567.97      759.96                  760.03      0.000089
 3.06   3303269.00    33854.41            0.04
BRAZOS          UPPER BRAZOS   276265.*      PF 1      6730000.00      567.97      759.96                  760.03      0.000089
 3.06   3303910.00    33877.13            0.04
BRAZOS          UPPER BRAZOS   276262.*      PF 1      6730000.00      567.96      759.96                  760.03      0.000089
 3.06   3304605.00    33902.04            0.04
BRAZOS          UPPER BRAZOS   276259.*      PF 1      6730000.00      567.96      759.96                  760.02      0.000089
 3.06   3305245.00    33926.85            0.04
BRAZOS          UPPER BRAZOS   276256.*      PF 1      6730000.00      567.96      759.96                  760.02      0.000089
 3.06   3305916.00    33951.83            0.04
BRAZOS          UPPER BRAZOS   276253.*      PF 1      6730000.00      567.96      759.96                  760.02      0.000089
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 3.06   3306590.00    33977.10           0.04
BRAZOS          UPPER BRAZOS   276250.*      PF 1      6730000.00      567.96      759.96                  760.02      0.000089
 3.06   3307253.00    34000.79           0.04
BRAZOS          UPPER BRAZOS   276248.*      PF 1      6730000.00      567.96      759.96                  760.02      0.000089
 3.05   3307927.00    34026.14           0.04
BRAZOS          UPPER BRAZOS   276245.*      PF 1      6730000.00      567.96      759.96                  760.02      0.000088
 3.05   3308615.00    34051.64           0.04
BRAZOS          UPPER BRAZOS   276242.*      PF 1      6730000.00      567.96      759.96                  760.02      0.000088
 3.05   3309284.00    34077.65           0.04
BRAZOS          UPPER BRAZOS   276239.*      PF 1      6730000.00      567.96      759.95                  760.02      0.000088
 3.05   3309963.00    34103.48           0.04
BRAZOS          UPPER BRAZOS   276236.*      PF 1      6730000.00      567.95      759.95                  760.02      0.000088
 3.05   3310636.00    34127.10           0.04
BRAZOS          UPPER BRAZOS   276233.*      PF 1      6730000.00      567.95      759.95                  760.02      0.000088
 3.05   3311327.00    34153.52           0.04
BRAZOS          UPPER BRAZOS   276230.*      PF 1      6730000.00      567.95      759.95                  760.02      0.000088
 3.05   3312004.00    34179.94           0.04
BRAZOS          UPPER BRAZOS   276227.*      PF 1      6730000.00      567.95      759.95                  760.02      0.000088
 3.05   3312710.00    34206.35           0.04
BRAZOS          UPPER BRAZOS   276224.*      PF 1      6730000.00      567.95      759.95                  760.02      0.000088
 3.05   3313385.00    34232.97           0.04
BRAZOS          UPPER BRAZOS   276221.*      PF 1      6730000.00      567.95      759.95                  760.02      0.000092
 3.11   3314035.00    34251.66           0.04
BRAZOS          UPPER BRAZOS   276218.*      PF 1      6730000.00      567.95      759.95                  760.02      0.000092
 3.11   3314713.00    34256.05           0.04
BRAZOS          UPPER BRAZOS   276215.*      PF 1      6730000.00      567.95      759.95                  760.02      0.000092
 3.11   3315403.00    34260.28           0.04
BRAZOS          UPPER BRAZOS   276212.*      PF 1      6730000.00      567.95      759.95                  760.02      0.000092
 3.11   3316109.00    34264.66           0.04
BRAZOS          UPPER BRAZOS   276210.*      PF 1      6730000.00      567.94      759.95                  760.02      0.000092
 3.11   3316800.00    34268.96           0.04
BRAZOS          UPPER BRAZOS   276207.*      PF 1      6730000.00      567.94      759.95                  760.02      0.000092
 3.11   3317476.00    34273.20           0.04
BRAZOS          UPPER BRAZOS   276204.*      PF 1      6730000.00      567.94      759.95                  760.02      0.000092
 3.11   3318148.00    34277.43           0.04
BRAZOS          UPPER BRAZOS   276201.*      PF 1      6730000.00      567.94      759.95                  760.02      0.000092
 3.11   3318837.00    34281.80           0.04
BRAZOS          UPPER BRAZOS   276198.*      PF 1      6730000.00      567.94      759.95                  760.02      0.000092
 3.11   3319535.00    34286.20           0.04
BRAZOS          UPPER BRAZOS   276195.*      PF 1      6730000.00      567.94      759.95                  760.01      0.000092
 3.11   3320213.00    34290.35           0.04
BRAZOS          UPPER BRAZOS   276192.*      PF 1      6730000.00      567.94      759.95                  760.01      0.000092
 3.10   3320899.00    34294.72           0.04
BRAZOS          UPPER BRAZOS   276189.*      PF 1      6730000.00      567.94      759.95                  760.01      0.000092
 3.10   3321589.00    34299.13           0.04
BRAZOS          UPPER BRAZOS   276186.*      PF 1      6730000.00      567.94      759.95                  760.01      0.000091
 3.10   3322258.00    34303.36           0.04
BRAZOS          UPPER BRAZOS   276183.*      PF 1      6730000.00      567.93      759.95                  760.01      0.000091
 3.10   3322955.00    34307.61           0.04
BRAZOS          UPPER BRAZOS   276180.*      PF 1      6730000.00      567.93      759.95                  760.01      0.000091
 3.10   3323644.00    34311.89           0.04
BRAZOS          UPPER BRAZOS   276177.*      PF 1      6730000.00      567.93      759.94                  760.01      0.000091
 3.10   3324345.00    34316.30           0.04
BRAZOS          UPPER BRAZOS   276175.*      PF 1      6730000.00      567.93      759.94                  760.01      0.000091
 3.10   3325009.00    34320.54           0.04
BRAZOS          UPPER BRAZOS   276172.*      PF 1      6730000.00      567.93      759.94                  760.01      0.000091
 3.10   3325691.00    34324.91           0.04
BRAZOS          UPPER BRAZOS   276169.*      PF 1      6730000.00      567.93      759.94                  760.01      0.000091
 3.10   3326391.00    34329.07           0.04
BRAZOS          UPPER BRAZOS   276166.*      PF 1      6730000.00      567.93      759.94                  760.01      0.000091
 3.10   3327072.00    34333.48           0.04
BRAZOS          UPPER BRAZOS   276163.*      PF 1      6730000.00      567.93      759.94                  760.01      0.000091
 3.10   3327724.00    34337.72           0.04
BRAZOS          UPPER BRAZOS   276160.*      PF 1      6730000.00      567.93      759.94                  760.01      0.000091
 3.09   3328435.00    34342.10           0.04
BRAZOS          UPPER BRAZOS   276157.*      PF 1      6730000.00      567.92      759.94                  760.01      0.000091
 3.09   3329108.00    34346.51           0.04
BRAZOS          UPPER BRAZOS   276154.*      PF 1      6730000.00      567.92      759.94                  760.01      0.000091
 3.09   3329805.00    34350.67           0.04
BRAZOS          UPPER BRAZOS   276151.*      PF 1      6730000.00      567.92      759.94                  760.01      0.000091
 3.09   3330474.00    34355.04           0.04
BRAZOS          UPPER BRAZOS   276148.*      PF 1      6730000.00      567.92      759.94                  760.01      0.000091
 3.09   3331166.00    34359.30           0.04
BRAZOS          UPPER BRAZOS   276145.*      PF 1      6730000.00      567.92      759.94                  760.01      0.000091
 3.09   3331846.00    34363.71           0.04
BRAZOS          UPPER BRAZOS   276142.*      PF 1      6730000.00      567.92      759.94                  760.01      0.000091
 3.09   3332539.00    34368.09           0.04
BRAZOS          UPPER BRAZOS   276140.*      PF 1      6730000.00      567.92      759.94                  760.01      0.000091
 3.09   3333210.00    34372.24           0.04
BRAZOS          UPPER BRAZOS   276137.*      PF 1      6730000.00      567.92      759.94                  760.01      0.000091
 3.09   3333909.00    34376.66           0.04
BRAZOS          UPPER BRAZOS   276134.*      PF 1      6730000.00      567.92      759.94                  760.01      0.000091
 3.09   3334581.00    34380.92           0.04
BRAZOS          UPPER BRAZOS   276131.*      PF 1      6730000.00      567.92      759.94                  760.00      0.000091
 3.09   3335247.00    34385.29           0.04
BRAZOS          UPPER BRAZOS   276128.*      PF 1      6730000.00      567.91      759.94                  760.00      0.000091
 3.08   3335936.00    34389.45           0.04
BRAZOS          UPPER BRAZOS   276125.*      PF 1      6730000.00      567.91      759.94                  760.00      0.000091
 3.08   3336625.00    34393.88           0.04
BRAZOS          UPPER BRAZOS   276122.*      PF 1      6730000.00      567.91      759.94                  760.00      0.000090
 3.08   3337301.00    34398.25           0.04
BRAZOS          UPPER BRAZOS   276119.*      PF 1      6730000.00      567.91      759.94                  760.00      0.000090
 3.08   3337991.00    34402.52           0.04
BRAZOS          UPPER BRAZOS   276116.*      PF 1      6730000.00      567.91      759.94                  760.00      0.000090
 3.08   3338661.00    34406.77           0.04
BRAZOS          UPPER BRAZOS   276113.*      PF 1      6730000.00      567.91      759.94                  760.00      0.000090
 3.08   3339328.00    34411.10           0.04
BRAZOS          UPPER BRAZOS   276110.*      PF 1      6730000.00      567.91      759.94                  760.00      0.000090
 3.08   3340025.00    34415.49           0.04
BRAZOS          UPPER BRAZOS   276107.*      PF 1      6730000.00      567.91      759.93                  760.00      0.000090
 3.08   3340717.00    34419.74           0.04
BRAZOS          UPPER BRAZOS   276105.*      PF 1      6730000.00      567.91      759.93                  760.00      0.000090
 3.08   3341392.00    34424.16           0.04
BRAZOS          UPPER BRAZOS   276102.*      PF 1      6730000.00      567.90      759.93                  760.00      0.000090
 3.08   3342062.00    34428.55           0.04
BRAZOS          UPPER BRAZOS   276099.*      PF 1      6730000.00      567.90      759.93                  760.00      0.000090
 3.08   3342737.00    34432.71           0.04
BRAZOS          UPPER BRAZOS   276096.*      PF 1      6730000.00      567.90      759.93                  760.00      0.000090
 3.08   3343416.00    34436.98           0.04
BRAZOS          UPPER BRAZOS   276093.*      PF 1      6730000.00      567.90      759.93                  760.00      0.000090
 3.07   3344104.00    34441.41           0.04
BRAZOS          UPPER BRAZOS   276090.*      PF 1      6730000.00      567.90      759.93                  760.00      0.000090
 3.07   3344771.00    34445.79           0.04
BRAZOS          UPPER BRAZOS   276087.*      PF 1      6730000.00      567.90      759.93                  760.00      0.000090
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 3.07   3345453.00    34449.96            0.04
BRAZOS          UPPER BRAZOS   276084.*      PF 1      6730000.00      567.90      759.93                  760.00     0.000090
 3.07   3346136.00    34454.39            0.04
BRAZOS          UPPER BRAZOS   276081.*      PF 1      6730000.00      567.90      759.93                  760.00     0.000090
 3.07   3346813.00    34458.78            0.04
BRAZOS          UPPER BRAZOS   276078.*      PF 1      6730000.00      567.90      759.93                  760.00     0.000090
 3.07   3347492.00    34463.04            0.04
BRAZOS          UPPER BRAZOS   276075.*      PF 1      6730000.00      567.89      759.93                  760.00     0.000090
 3.07   3348192.00    34467.38            0.04
BRAZOS          UPPER BRAZOS   276072.*      PF 1      6730000.00      567.89      759.93                  760.00     0.000090
 3.07   3348850.00    34471.74            0.04
BRAZOS          UPPER BRAZOS   276070.*      PF 1      6730000.00      567.89      759.93                  760.00     0.000090
 3.07   3349515.00    34476.13            0.04
BRAZOS          UPPER BRAZOS   276067.*      PF 1      6730000.00      567.89      759.93                  759.99     0.000090
 3.07   3350206.00    34480.39            0.04
BRAZOS          UPPER BRAZOS   276064.*      PF 1      6730000.00      567.89      759.93                  759.99     0.000090
 3.07   3350882.00    34484.84            0.04
BRAZOS          UPPER BRAZOS   276061.*      PF 1      6730000.00      567.89      759.93                  759.99     0.000090
 3.06   3351567.00    34489.22            0.04
BRAZOS          UPPER BRAZOS   276058.*      PF 1      6730000.00      567.89      759.93                  759.99     0.000089
 3.06   3352266.00    34493.40            0.04
BRAZOS          UPPER BRAZOS   276055.*      PF 1      6730000.00      567.89      759.93                  759.99     0.000089
 3.06   3352910.00    34497.67            0.04
BRAZOS          UPPER BRAZOS   276052.*      PF 1      6730000.00      567.89      759.93                  759.99     0.000089
 3.06   3353579.00    34502.12            0.04
BRAZOS          UPPER BRAZOS   276049.*      PF 1      6730000.00      567.88      759.93                  759.99     0.000089
 3.06   3354273.00    34506.49            0.04
BRAZOS          UPPER BRAZOS   276046.*      PF 1      6730000.00      567.88      759.93                  759.99     0.000089
 3.06   3354946.00    34510.68            0.04
BRAZOS          UPPER BRAZOS   276043.*      PF 1      6730000.00      567.88      759.93                  759.99     0.000089
 3.06   3355621.00    34514.96            0.04
BRAZOS          UPPER BRAZOS   276040.*      PF 1      6730000.00      567.88      759.92                  759.99     0.000089
 3.06   3356287.00    34519.51            0.04
BRAZOS          UPPER BRAZOS   276037.*      PF 1      6730000.00      567.88      759.92                  759.99     0.000089
 3.06   3356962.00    34523.79            0.04
BRAZOS          UPPER BRAZOS   276034.*      PF 1      6730000.00      567.88      759.92                  759.99     0.000089
 3.06   3357640.00    34528.07            0.04
BRAZOS          UPPER BRAZOS   276032.*      PF 1      6730000.00      567.88      759.92                  759.99     0.000089
 3.06   3358302.00    34532.44            0.04
BRAZOS          UPPER BRAZOS   276029.*      PF 1      6730000.00      567.88      759.92                  759.99     0.000089
 3.06   3358984.00    34536.81            0.04
BRAZOS          UPPER BRAZOS   276026.*      PF 1      6730000.00      567.88      759.92                  759.99     0.000089
 3.05   3359660.00    34541.09            0.04
BRAZOS          UPPER BRAZOS   276023.*      PF 1      6730000.00      567.87      759.92                  759.99     0.000089
 3.05   3360340.00    34545.37            0.04
BRAZOS          UPPER BRAZOS   276020.*      PF 1      6730000.00      567.87      759.92                  759.99     0.000089
 3.05   3361026.00    34549.93            0.04
BRAZOS          UPPER BRAZOS   276017.*      PF 1      6730000.00      567.87      759.92                  759.99     0.000089
 3.05   3361697.00    34554.13            0.04
BRAZOS          UPPER BRAZOS   276014.*      PF 1      6730000.00      567.87      759.92                  759.99     0.000089
 3.05   3362351.00    34558.41            0.04
BRAZOS          UPPER BRAZOS   276011.*      PF 1      6730000.00      567.87      759.92                  759.99     0.000089
 3.05   3363032.00    34562.70            0.04
BRAZOS          UPPER BRAZOS   276008.*      PF 1      6730000.00      567.87      759.92                  759.99     0.000089
 3.05   3363699.00    34567.25            0.04
BRAZOS          UPPER BRAZOS   276005.*      PF 1      6730000.00      567.87      759.92                  759.99     0.000089
 3.05   3364376.00    34571.46            0.04
BRAZOS          UPPER BRAZOS   276002.*      PF 1      6730000.00      567.87      759.92                  759.98     0.000089
 3.05   3365053.00    34575.74            0.04
BRAZOS          UPPER BRAZOS   275999.*      PF 1      6730000.00      567.87      759.92                  759.98     0.000089
 3.05   3365718.00    34580.30            0.04
BRAZOS          UPPER BRAZOS   275997.*      PF 1      6730000.00      567.86      759.92                  759.98     0.000089
 3.05   3366381.00    34584.59            0.04
BRAZOS          UPPER BRAZOS   275994.*      PF 1      6730000.00      567.86      759.92                  759.98     0.000089
 3.04   3367069.00    34588.87            0.04
BRAZOS          UPPER BRAZOS   275991.*      PF 1      6730000.00      567.86      759.92                  759.98     0.000088
 3.04   3367736.00    34593.08            0.04
BRAZOS          UPPER BRAZOS   275988.*      PF 1      6730000.00      567.86      759.92                  759.98     0.000088
 3.04   3368421.00    34597.64            0.04
BRAZOS          UPPER BRAZOS   275985.*      PF 1      6730000.00      567.86      759.92                  759.98     0.000088
 3.04   3369096.00    34601.92            0.04
BRAZOS          UPPER BRAZOS   275982.*      PF 1      6730000.00      567.86      759.92                  759.98     0.000088
 3.04   3369747.00    34606.21            0.04
BRAZOS          UPPER BRAZOS   275979.*      PF 1      6730000.00      567.86      759.92                  759.98     0.000088
 3.04   3370412.00    34610.77            0.04
BRAZOS          UPPER BRAZOS   275976.*      PF 1      6730000.00      567.86      759.92                  759.98     0.000088
 3.04   3371100.00    34614.99            0.04
BRAZOS          UPPER BRAZOS   275973.*      PF 1      6730000.00      567.86      759.92                  759.98     0.000088
 3.04   3371761.00    34619.28            0.04
BRAZOS          UPPER BRAZOS   275970.*      PF 1      6730000.00      567.85      759.91                  759.98     0.000088
 3.04   3372446.00    34623.66            0.04
BRAZOS          UPPER BRAZOS   275967.*      PF 1      6730000.00      567.85      759.91                  759.98     0.000088
 3.04   3373117.00    34628.13            0.04
BRAZOS          UPPER BRAZOS   275964.*      PF 1      6730000.00      567.85      759.91                  759.98     0.000088
 3.04   3373777.00    34632.34            0.04
BRAZOS          UPPER BRAZOS   275962.*      PF 1      6730000.00      567.85      759.91                  759.98     0.000088
 3.04   3374459.00    34636.65            0.04
BRAZOS          UPPER BRAZOS   275959.*      PF 1      6730000.00      567.85      759.91                  759.98     0.000088
 3.03   3375121.00    34641.21            0.04
BRAZOS          UPPER BRAZOS   275956.*      PF 1      6730000.00      567.85      759.91                  759.98     0.000088
 3.03   3375810.00    34645.51            0.04
BRAZOS          UPPER BRAZOS   275953.*      PF 1      6730000.00      567.85      759.91                  759.98     0.000088
 3.03   3376467.00    34649.80            0.04
BRAZOS          UPPER BRAZOS   275950.*      PF 1      6730000.00      567.85      759.91                  759.98     0.000088
 3.03   3377126.00    34654.11            0.04
BRAZOS          UPPER BRAZOS   275947.*      PF 1      6730000.00      567.85      759.91                  759.98     0.000088
 3.03   3377784.00    34658.59            0.04
BRAZOS          UPPER BRAZOS   275944.*      PF 1      6730000.00      567.84      759.91                  759.98     0.000088
 3.03   3378462.00    34662.89            0.04
BRAZOS          UPPER BRAZOS   275941.*      PF 1      6730000.00      567.84      759.91                  759.98     0.000088
 3.03   3379135.00    34667.20            0.04
BRAZOS          UPPER BRAZOS   275938.*      PF 1      6730000.00      567.84      759.91                  759.97     0.000088
 3.03   3379813.00    34671.57            0.04
BRAZOS          UPPER BRAZOS   275935.*      PF 1      6730000.00      567.84      759.91                  759.97     0.000088
 3.03   3380461.00    34675.98            0.04
BRAZOS          UPPER BRAZOS   275932.*      PF 1      6730000.00      567.84      759.91                  759.97     0.000088
 3.03   3381136.00    34680.29            0.04
BRAZOS          UPPER BRAZOS   275929.*      PF 1      6730000.00      567.84      759.91                  759.97     0.000088
 3.03   3381824.00    34684.79            0.04
BRAZOS          UPPER BRAZOS   275927.*      PF 1      6730000.00      567.84      759.91                  759.97     0.000088
 3.03   3382465.00    34689.27            0.04
BRAZOS          UPPER BRAZOS   275924.*      PF 1      6730000.00      567.84      759.91                  759.97     0.000087
 3.02   3383157.00    34693.50            0.04
BRAZOS          UPPER BRAZOS   275921.*      PF 1      6730000.00      567.84      759.91                  759.97     0.000087
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 3.02   3383815.00    34697.81            0.04
BRAZOS          UPPER BRAZOS   275918.*      PF 1      6730000.00      567.83      759.91                  759.97      0.000087
 3.02   3384469.00    34702.20            0.04
BRAZOS          UPPER BRAZOS   275915.*      PF 1      6730000.00      567.83      759.91                  759.97      0.000087
 3.02   3385135.00    34706.68            0.04
BRAZOS          UPPER BRAZOS   275912.*      PF 1      6730000.00      567.83      759.91                  759.97      0.000087
 3.02   3385804.00    34711.00            0.04
BRAZOS          UPPER BRAZOS   275909.*      PF 1      6730000.00      567.83      759.91                  759.97      0.000087
 3.02   3386483.00    34715.32            0.04
BRAZOS          UPPER BRAZOS   275906.*      PF 1      6730000.00      567.83      759.91                  759.97      0.000087
 3.02   3387129.00    34719.80            0.04
BRAZOS          UPPER BRAZOS   275903.*      PF 1      6730000.00      567.83      759.90                  759.97      0.000087
 3.02   3387800.00    34724.12            0.04
BRAZOS          UPPER BRAZOS   275900.*      PF 1      6730000.00      567.83      759.90                  759.97      0.000087
 3.02   3388472.00    34728.43            0.04
BRAZOS          UPPER BRAZOS   275897.*      PF 1      6730000.00      567.83      759.90                  759.97      0.000087
 3.02   3389137.00    34732.81            0.04
BRAZOS          UPPER BRAZOS   275894.*      PF 1      6730000.00      567.83      759.90                  759.97      0.000087
 3.02   3389814.00    34737.23            0.04
BRAZOS          UPPER BRAZOS   275892.*      PF 1      6730000.00      567.82      759.90                  759.97      0.000087
 3.02   3390461.00    34741.55            0.04
BRAZOS          UPPER BRAZOS   275889.*      PF 1      6730000.00      567.82      759.90                  759.97      0.000087
 3.01   3391139.00    34745.94            0.04
BRAZOS          UPPER BRAZOS   275886.*      PF 1      6730000.00      567.82      759.90                  759.97      0.000087
 3.01   3391810.00    34750.25            0.04
BRAZOS          UPPER BRAZOS   275883.*      PF 1      6730000.00      567.82      759.90                  759.97      0.000087
 3.01   3392479.00    34754.76            0.04
BRAZOS          UPPER BRAZOS   275880.*      PF 1      6730000.00      567.82      759.90                  759.97      0.000087
 3.01   3393133.00    34759.00            0.04
BRAZOS          UPPER BRAZOS   275877.*      PF 1      6730000.00      567.82      759.90                  759.97      0.000087
 3.01   3393790.00    34763.39            0.04
BRAZOS          UPPER BRAZOS   275874.*      PF 1      6730000.00      567.82      759.90                  759.97      0.000087
 3.01   3394452.00    34767.89            0.04
BRAZOS          UPPER BRAZOS   275871.*      PF 1      6730000.00      567.82      759.90                  759.96      0.000087
 3.01   3395112.00    34772.21            0.04
BRAZOS          UPPER BRAZOS   275868.*      PF 1      6730000.00      567.82      759.90                  759.96      0.000087
 3.01   3395796.00    34776.53            0.04
BRAZOS          UPPER BRAZOS   275865.*      PF 1      6730000.00      567.82      759.90                  759.96      0.000087
 3.01   3396452.00    34780.85            0.04
BRAZOS          UPPER BRAZOS   275862.*      PF 1      6730000.00      567.81      759.90                  759.96      0.000087
 3.01   3397115.00    34785.36            0.04
BRAZOS          UPPER BRAZOS   275859.*      PF 1      6730000.00      567.81      759.90                  759.96      0.000087
 3.01   3397771.00    34789.68            0.04
BRAZOS          UPPER BRAZOS   275856.*      PF 1      6730000.00      567.81      759.90                  759.96      0.000087
 3.01   3398424.00    34794.09            0.04
BRAZOS          UPPER BRAZOS   275854.*      PF 1      6730000.00      567.81      759.90                  759.96      0.000086
 3.00   3399105.00    34798.52            0.04
BRAZOS          UPPER BRAZOS   275851.*      PF 1      6730000.00      567.81      759.90                  759.96      0.000086
 3.00   3399757.00    34802.84            0.04
BRAZOS          UPPER BRAZOS   275848.*      PF 1      6730000.00      567.81      759.90                  759.96      0.000086
 3.00   3400436.00    34807.23            0.04
BRAZOS          UPPER BRAZOS   275845.*      PF 1      6730000.00      567.81      759.90                  759.96      0.000086
 3.00   3401091.00    34811.56            0.04
BRAZOS          UPPER BRAZOS   275842.*      PF 1      6730000.00      567.81      759.90                  759.96      0.000086
 3.00   3401757.00    34816.07            0.04
BRAZOS          UPPER BRAZOS   275839.*      PF 1      6730000.00      567.81      759.90                  759.96      0.000086
 3.00   3402410.00    34820.33            0.04
BRAZOS          UPPER BRAZOS   275836.*      PF 1      6730000.00      567.80      759.90                  759.96      0.000086
 3.00   3403076.00    34824.72            0.04
BRAZOS          UPPER BRAZOS   275833.*      PF 1      6730000.00      567.80      759.89                  759.96      0.000086
 3.00   3403735.00    34829.05            0.04
BRAZOS          UPPER BRAZOS   275830.*      PF 1      6730000.00      567.80      759.89                  759.96      0.000086
 3.00   3404385.00    34833.57            0.04
BRAZOS          UPPER BRAZOS   275827.*      PF 1      6730000.00      567.80      759.89                  759.96      0.000086
 3.00   3405069.00    34837.89            0.04
BRAZOS          UPPER BRAZOS   275824.*      PF 1      6730000.00      567.80      759.89                  759.96      0.000086
 3.00   3405713.00    34842.23            0.04
BRAZOS          UPPER BRAZOS   275821.*      PF 1      6730000.00      567.80      759.89                  759.96      0.000086
 3.00   3406375.00    34846.74            0.04
BRAZOS          UPPER BRAZOS   275819.*      PF 1      6730000.00      567.80      759.89                  759.96      0.000086
 3.00   3407023.00    34851.09            0.04
BRAZOS          UPPER BRAZOS   275816.*      PF 1      6730000.00      567.80      759.89                  759.96      0.000086
 2.99   3407696.00    34855.47            0.04
BRAZOS          UPPER BRAZOS   275813.*      PF 1      6730000.00      567.80      759.89                  759.96      0.000086
 2.99   3408364.00    34859.74            0.04
BRAZOS          UPPER BRAZOS   275810.*      PF 1      6730000.00      567.79      759.89                  759.96      0.000086
 2.99   3409012.00    34864.27            0.04
BRAZOS          UPPER BRAZOS   275807.*      PF 1      6730000.00      567.79      759.89                  759.95      0.000086
 2.99   3409675.00    34868.66            0.04
BRAZOS          UPPER BRAZOS   275804.*      PF 1      6730000.00      567.79      759.89                  759.95      0.000086
 2.99   3410365.00    34873.01            0.04
BRAZOS          UPPER BRAZOS   275801.*      PF 1      6730000.00      567.79      759.89                  759.95      0.000086
 2.99   3410990.00    34877.53            0.04
BRAZOS          UPPER BRAZOS   275798.*      PF 1      6730000.00      567.79      759.89                  759.95      0.000086
 2.99   3411657.00    34881.86            0.04
BRAZOS          UPPER BRAZOS   275795.*      PF 1      6730000.00      567.79      759.89                  759.95      0.000086
 2.99   3412318.00    34886.20            0.04
BRAZOS          UPPER BRAZOS   275792.*      PF 1      6730000.00      567.79      759.89                  759.95      0.000086
 2.99   3412978.00    34890.55            0.04
BRAZOS          UPPER BRAZOS   275789.*      PF 1      6730000.00      567.79      759.89                  759.95      0.000086
 2.99   3413644.00    34895.08            0.04
BRAZOS          UPPER BRAZOS   275786.*      PF 1      6730000.00      567.79      759.89                  759.95      0.000086
 2.99   3414288.00    34899.40            0.04
BRAZOS          UPPER BRAZOS   275784.*      PF 1      6730000.00      567.78      759.89                  759.95      0.000085
 2.99   3414957.00    34903.75            0.04
BRAZOS          UPPER BRAZOS   275781.*      PF 1      6730000.00      567.78      759.89                  759.95      0.000085
 2.98   3415608.00    34908.26            0.04
BRAZOS          UPPER BRAZOS   275778.*      PF 1      6730000.00      567.78      759.89                  759.95      0.000085
 2.98   3416270.00    34912.83            0.04
BRAZOS          UPPER BRAZOS   275775.*      PF 1      6730000.00      567.78      759.89                  759.95      0.000085
 2.98   3416929.00    34917.18            0.04
BRAZOS          UPPER BRAZOS   275772.*      PF 1      6730000.00      567.78      759.89                  759.95      0.000085
 2.98   3417586.00    34921.47            0.04
BRAZOS          UPPER BRAZOS   275769.*      PF 1      6730000.00      567.78      759.89                  759.95      0.000085
 2.98   3418233.00    34926.01            0.04
BRAZOS          UPPER BRAZOS   275766.*      PF 1      6730000.00      567.78      759.88                  759.95      0.000085
 2.98   3418915.00    34930.40            0.04
BRAZOS          UPPER BRAZOS   275763.*      PF 1      6730000.00      567.78      759.88                  759.95      0.000085
 2.98   3419546.00    34934.75            0.04
BRAZOS          UPPER BRAZOS   275760.*      PF 1      6730000.00      567.78      759.88                  759.95      0.000085
 2.98   3420200.00    34939.12            0.04
BRAZOS          UPPER BRAZOS   275757.*      PF 1      6730000.00      567.77      759.88                  759.95      0.000085
 2.98   3420851.00    34943.62            0.04
BRAZOS          UPPER BRAZOS   275754.*      PF 1      6730000.00      567.77      759.88                  759.95      0.000085
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 2.98   3421506.00    34947.99            0.04
BRAZOS          UPPER BRAZOS   275751.*      PF 1      6730000.00      567.77      759.88                  759.95      0.000085
 2.98   3422169.00    34952.35            0.04
BRAZOS          UPPER BRAZOS   275749.*      PF 1      6730000.00      567.77      759.88                  759.95      0.000085
 2.98   3422840.00    34956.89            0.04
BRAZOS          UPPER BRAZOS   275746.*      PF 1      6730000.00      567.77      759.88                  759.95      0.000085
 2.97   3423496.00    34961.23            0.04
BRAZOS          UPPER BRAZOS   275743.*      PF 1      6730000.00      567.77      759.88                  759.94      0.000085
 2.97   3424143.00    34965.58            0.04
BRAZOS          UPPER BRAZOS   275740.*      PF 1      6730000.00      567.77      759.88                  759.94      0.000085
 2.97   3424784.00    34969.95            0.04
BRAZOS          UPPER BRAZOS   275737.*      PF 1      6730000.00      567.77      759.88                  759.94      0.000085
 2.97   3425460.00    34974.52            0.04
BRAZOS          UPPER BRAZOS   275734.*      PF 1      6730000.00      567.77      759.88                  759.94      0.000085
 2.97   3426108.00    34978.89            0.04
BRAZOS          UPPER BRAZOS   275731.*      PF 1      6730000.00      567.76      759.88                  759.94      0.000085
 2.97   3426779.00    34983.20            0.04
BRAZOS          UPPER BRAZOS   275728.*      PF 1      6730000.00      567.76      759.88                  759.94      0.000085
 2.97   3427409.00    34987.56            0.04
BRAZOS          UPPER BRAZOS   275725.*      PF 1      6730000.00      567.76      759.88                  759.94      0.000085
 2.97   3428063.00    34992.14            0.04
BRAZOS          UPPER BRAZOS   275722.*      PF 1      6730000.00      567.76      759.88                  759.94      0.000085
 2.97   3428724.00    34996.51            0.04
BRAZOS          UPPER BRAZOS   275719.*      PF 1      6730000.00      567.76      759.88                  759.94      0.000085
 2.97   3429368.00    35000.88            0.04
BRAZOS          UPPER BRAZOS   275716.*      PF 1      6730000.00      567.76      759.88                  759.94      0.000085
 2.97   3430049.00    35005.39            0.04
BRAZOS          UPPER BRAZOS   275714.*      PF 1      6730000.00      567.76      759.88                  759.94      0.000085
 2.97   3430693.00    35009.77            0.04
BRAZOS          UPPER BRAZOS   275711.*      PF 1      6730000.00      567.76      759.88                  759.94      0.000084
 2.97   3431339.00    35014.14            0.04
BRAZOS          UPPER BRAZOS   275708.*      PF 1      6730000.00      567.76      759.88                  759.94      0.000084
 2.96   3432002.00    35018.52            0.04
BRAZOS          UPPER BRAZOS   275705.*      PF 1      6730000.00      567.75      759.88                  759.94      0.000084
 2.96   3432661.00    35023.04            0.04
BRAZOS          UPPER BRAZOS   275702.*      PF 1      6730000.00      567.75      759.88                  759.94      0.000084
 2.96   3433290.00    35027.42            0.04
BRAZOS          UPPER BRAZOS   275699.*      PF 1      6730000.00      567.75      759.87                  759.94      0.000084
 2.96   3433949.00    35031.79            0.04
BRAZOS          UPPER BRAZOS   275696.*      PF 1      6730000.00      567.75      759.87                  759.94      0.000084
 2.96   3434622.00    35036.38            0.04
BRAZOS          UPPER BRAZOS   275693.*      PF 1      6730000.00      567.75      759.87                  759.94      0.000084
 2.96   3435273.00    35040.75            0.04
BRAZOS          UPPER BRAZOS   275690.*      PF 1      6730000.00      567.75      759.87                  759.94      0.000084
 2.96   3435911.00    35045.07            0.04
BRAZOS          UPPER BRAZOS   275687.*      PF 1      6730000.00      567.75      759.87                  759.94      0.000084
 2.96   3436563.00    35049.45            0.04
BRAZOS          UPPER BRAZOS   275684.*      PF 1      6730000.00      567.75      759.87                  759.94      0.000084
 2.96   3437201.00    35054.03            0.04
BRAZOS          UPPER BRAZOS   275681.*      PF 1      6730000.00      567.75      759.87                  759.94      0.000084
 2.96   3437875.00    35058.41            0.04
BRAZOS          UPPER BRAZOS   275678.*      PF 1      6730000.00      567.74      759.87                  759.93      0.000084
 2.96   3438519.00    35062.80            0.04
BRAZOS          UPPER BRAZOS   275676.*      PF 1      6730000.00      567.74      759.87                  759.93      0.000084
 2.96   3439179.00    35067.14            0.04
BRAZOS          UPPER BRAZOS   275673.*      PF 1      6730000.00      567.74      759.87                  759.93      0.000084
 2.96   3439831.00    35071.70            0.04
BRAZOS          UPPER BRAZOS   275670.*      PF 1      6730000.00      567.74      759.87                  759.93      0.000084
 2.95   3440469.00    35076.10            0.04
BRAZOS          UPPER BRAZOS   275667.*      PF 1      6730000.00      567.74      759.87                  759.93      0.000084
 2.95   3441091.00    35080.48            0.04
BRAZOS          UPPER BRAZOS   275664.*      PF 1      6730000.00      567.74      759.87                  759.93      0.000084
 2.95   3441786.00    35085.00            0.04
BRAZOS          UPPER BRAZOS   275661.*      PF 1      6730000.00      567.74      759.87                  759.93      0.000084
 2.95   3442425.00    35089.40            0.04
BRAZOS          UPPER BRAZOS   275658.*      PF 1      6730000.00      567.74      759.87                  759.93      0.000084
 2.95   3443060.00    35093.78            0.04
BRAZOS          UPPER BRAZOS   275655.*      PF 1      6730000.00      567.74      759.87                  759.93      0.000084
 2.95   3443730.00    35098.19            0.04
BRAZOS          UPPER BRAZOS   275652.*      PF 1      6730000.00      567.73      759.87                  759.93      0.000084
 2.95   3444367.00    35111.35            0.04
BRAZOS          UPPER BRAZOS   275649.*      PF 1      6730000.00      567.73      759.87                  759.93      0.000084
 2.95   3445006.00    35131.31            0.04
BRAZOS          UPPER BRAZOS   275646.*      PF 1      6730000.00      567.73      759.87                  759.93      0.000084
 2.95   3445682.00    35148.97            0.04
BRAZOS          UPPER BRAZOS   275643.*      PF 1      6730000.00      567.73      759.87                  759.93      0.000084
 2.95   3446321.00    35170.32            0.04
BRAZOS          UPPER BRAZOS   275641.*      PF 1      6730000.00      567.73      759.87                  759.93      0.000084
 2.95   3446982.00    35192.10            0.04
BRAZOS          UPPER BRAZOS   275638.*      PF 1      6730000.00      567.73      759.87                  759.93      0.000084
 2.95   3447617.00    35214.52            0.04
BRAZOS          UPPER BRAZOS   275635.*      PF 1      6730000.00      567.73      759.87                  759.93      0.000083
 2.94   3448265.00    35234.32            0.04
BRAZOS          UPPER BRAZOS   275632.*      PF 1      6730000.00      567.73      759.87                  759.93      0.000083
 2.94   3448920.00    35260.59            0.04
BRAZOS          UPPER BRAZOS   275629.*      PF 1      6730000.00      567.73      759.86                  759.93      0.000083
 2.94   3449585.00    35288.06            0.04
BRAZOS          UPPER BRAZOS   275626.*      PF 1      6730000.00      567.72      759.86                  759.93      0.000083
 2.94   3450266.00    35316.35            0.04
BRAZOS          UPPER BRAZOS   275623.*      PF 1      6730000.00      567.72      759.86                  759.93      0.000083
 2.94   3450914.00    35343.64            0.04
BRAZOS          UPPER BRAZOS   275620.*      PF 1      6730000.00      567.72      759.86                  759.93      0.000083
 2.94   3451551.00    35374.10            0.04
BRAZOS          UPPER BRAZOS   275617.*      PF 1      6730000.00      567.72      759.86                  759.93      0.000083
 2.94   3452229.00    35405.41            0.04
BRAZOS          UPPER BRAZOS   275614.*      PF 1      6730000.00      567.72      759.86                  759.92      0.000083
 2.94   3452895.00    35437.80            0.04
BRAZOS          UPPER BRAZOS   275611.*      PF 1      6730000.00      567.72      759.86                  759.92      0.000083
 2.94   3453562.00    35466.95            0.04
BRAZOS          UPPER BRAZOS   275608.*      PF 1      6730000.00      567.72      759.86                  759.92      0.000083
 2.94   3454205.00    35501.57            0.04
BRAZOS          UPPER BRAZOS   275606.*      PF 1      6730000.00      567.72      759.86                  759.92      0.000084
 2.95   3454885.00    35527.77            0.04
BRAZOS          UPPER BRAZOS   275603.*      PF 1      6730000.00      567.72      759.86                  759.92      0.000084
 2.95   3455531.00    35532.18            0.04
BRAZOS          UPPER BRAZOS   275600.*      PF 1      6730000.00      567.71      759.86                  759.92      0.000084
 2.95   3456215.00    35536.77            0.04
BRAZOS          UPPER BRAZOS   275597.*      PF 1      6730000.00      567.71      759.86                  759.92      0.000084
 2.95   3456882.00    35540.91            0.04
BRAZOS          UPPER BRAZOS   275594.*      PF 1      6730000.00      567.71      759.86                  759.92      0.000084
 2.95   3457538.00    35545.25            0.04
BRAZOS          UPPER BRAZOS   275591.*      PF 1      6730000.00      567.71      759.86                  759.92      0.000084
 2.95   3458209.00    35549.84            0.04
BRAZOS          UPPER BRAZOS   275588.*      PF 1      6730000.00      567.71      759.86                  759.92      0.000084
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 2.95   3458891.00    35554.25            0.04
BRAZOS          UPPER BRAZOS   275585.*      PF 1      6730000.00      567.71      759.86                  759.92      0.000084
 2.95   3459536.00    35558.37            0.04
BRAZOS          UPPER BRAZOS   275582.*      PF 1      6730000.00      567.71      759.86                  759.92      0.000084
 2.95   3460203.00    35562.73            0.04
BRAZOS          UPPER BRAZOS   275579.*      PF 1      6730000.00      567.71      759.86                  759.92      0.000084
 2.95   3460861.00    35567.29            0.04
BRAZOS          UPPER BRAZOS   275576.*      PF 1      6730000.00      567.71      759.86                  759.92      0.000084
 2.95   3461528.00    35571.70            0.04
BRAZOS          UPPER BRAZOS   275573.*      PF 1      6730000.00      567.71      759.86                  759.92      0.000084
 2.95   3462180.00    35575.80            0.04
BRAZOS          UPPER BRAZOS   275571.*      PF 1      6730000.00      567.70      759.86                  759.92      0.000084
 2.94   3462858.00    35580.22            0.04
BRAZOS          UPPER BRAZOS   275568.*      PF 1      6730000.00      567.70      759.86                  759.92      0.000084
 2.94   3463540.00    35584.76            0.04
BRAZOS          UPPER BRAZOS   275565.*      PF 1      6730000.00      567.70      759.86                  759.92      0.000084
 2.94   3464187.00    35589.13            0.04
BRAZOS          UPPER BRAZOS   275562.*      PF 1      6730000.00      567.70      759.85                  759.92      0.000083
 2.94   3464838.00    35593.28            0.04
BRAZOS          UPPER BRAZOS   275559.*      PF 1      6730000.00      567.70      759.85                  759.92      0.000083
 2.94   3465518.00    35597.82            0.04
BRAZOS          UPPER BRAZOS   275556.*      PF 1      6730000.00      567.70      759.85                  759.92      0.000083
 2.94   3466191.00    35602.24            0.04
BRAZOS          UPPER BRAZOS   275553.*      PF 1      6730000.00      567.70      759.85                  759.92      0.000083
 2.94   3466842.00    35606.55            0.04
BRAZOS          UPPER BRAZOS   275550.*      PF 1      6730000.00      567.70      759.85                  759.92      0.000083
 2.94   3467522.00    35610.95            0.04
BRAZOS          UPPER BRAZOS   275547.*      PF 1      6730000.00      567.70      759.85                  759.91      0.000083
 2.94   3468152.00    35615.29            0.04
BRAZOS          UPPER BRAZOS   275544.*      PF 1      6730000.00      567.69      759.85                  759.91      0.000083
 2.94   3468838.00    35619.65            0.04
BRAZOS          UPPER BRAZOS   275541.*      PF 1      6730000.00      567.69      759.85                  759.91      0.000083
 2.94   3469494.00    35624.00            0.04
BRAZOS          UPPER BRAZOS   275538.*      PF 1      6730000.00      567.69      759.85                  759.91      0.000083
 2.94   3470160.00    35628.54            0.04
BRAZOS          UPPER BRAZOS   275536.*      PF 1      6730000.00      567.69      759.85                  759.91      0.000083
 2.94   3470831.00    35632.69            0.04
BRAZOS          UPPER BRAZOS   275533.*      PF 1      6730000.00      567.69      759.85                  759.91      0.000083
 2.93   3471480.00    35637.04            0.04
BRAZOS          UPPER BRAZOS   275530.*      PF 1      6730000.00      567.69      759.85                  759.91      0.000083
 2.93   3472150.00    35641.44            0.04
BRAZOS          UPPER BRAZOS   275527.*      PF 1      6730000.00      567.69      759.85                  759.91      0.000083
 2.93   3472817.00    35645.97            0.04
BRAZOS          UPPER BRAZOS   275524.*      PF 1      6730000.00      567.69      759.85                  759.91      0.000083
 2.93   3473472.00    35650.07            0.04
BRAZOS          UPPER BRAZOS   275521.*      PF 1      6730000.00      567.69      759.85                  759.91      0.000083
 2.93   3474143.00    35654.46            0.04
BRAZOS          UPPER BRAZOS   275518.*      PF 1      6730000.00      567.68      759.85                  759.91      0.000083
 2.93   3474762.00    35658.80            0.04
BRAZOS          UPPER BRAZOS   275515.*      PF 1      6730000.00      567.68      759.85                  759.91      0.000083
 2.93   3475439.00    35663.39            0.04
BRAZOS          UPPER BRAZOS   275512.*      PF 1      6730000.00      567.68      759.85                  759.91      0.000083
 2.93   3476088.00    35667.43            0.04
BRAZOS          UPPER BRAZOS   275509.*      PF 1      6730000.00      567.68      759.85                  759.91      0.000083
 2.93   3476772.00    35671.83            0.04
BRAZOS          UPPER BRAZOS   275506.*      PF 1      6730000.00      567.68      759.85                  759.91      0.000083
 2.93   3477432.00    35676.41            0.04
BRAZOS          UPPER BRAZOS   275503.*      PF 1      6730000.00      567.68      759.85                  759.91      0.000083
 2.93   3478082.00    35680.73            0.04
BRAZOS          UPPER BRAZOS   275500.*      PF 1      6730000.00      567.68      759.85                  759.91      0.000083
 2.93   3478731.00    35685.08            0.04
BRAZOS          UPPER BRAZOS   275498.*      PF 1      6730000.00      567.68      759.85                  759.91      0.000083
 2.92   3479396.00    35689.18            0.04
BRAZOS          UPPER BRAZOS   275495.*      PF 1      6730000.00      567.68      759.84                  759.91      0.000083
 2.92   3480058.00    35693.75            0.04
BRAZOS          UPPER BRAZOS   275492.*      PF 1      6730000.00      567.67      759.84                  759.91      0.000083
 2.92   3480735.00    35698.08            0.04
BRAZOS          UPPER BRAZOS   275489.*      PF 1      6730000.00      567.67      759.84                  759.91      0.000082
 2.92   3481389.00    35702.46            0.04
BRAZOS          UPPER BRAZOS   275486.*      PF 1      6730000.00      567.67      759.84                  759.91      0.000082
 2.92   3482022.00    35706.77            0.04
BRAZOS          UPPER BRAZOS   275483.*      PF 1      6730000.00      567.67      759.84                  759.90      0.000082
 2.92   3482698.00    35711.09            0.04
BRAZOS          UPPER BRAZOS   275480.*      PF 1      6730000.00      567.67      759.84                  759.90      0.000082
 2.92   3483348.00    35715.48            0.04
BRAZOS          UPPER BRAZOS   275477.*      PF 1      6730000.00      567.67      759.84                  759.90      0.000082
 2.92   3484017.00    35719.79            0.04
BRAZOS          UPPER BRAZOS   275474.*      PF 1      6730000.00      567.67      759.84                  759.90      0.000082
 2.92   3484662.00    35724.14            0.04
BRAZOS          UPPER BRAZOS   275471.*      PF 1      6730000.00      567.67      759.84                  759.90      0.000082
 2.92   3485325.00    35728.41            0.04
BRAZOS          UPPER BRAZOS   275468.*      PF 1      6730000.00      567.67      759.84                  759.90      0.000082
 2.92   3485980.00    35732.80            0.04
BRAZOS          UPPER BRAZOS   275465.*      PF 1      6730000.00      567.66      759.84                  759.90      0.000082
 2.92   3486643.00    35737.18            0.04
BRAZOS          UPPER BRAZOS   275463.*      PF 1      6730000.00      567.66      759.84                  759.90      0.000082
 2.92   3487296.00    35741.46            0.04
BRAZOS          UPPER BRAZOS   275460.*      PF 1      6730000.00      567.66      759.84                  759.90      0.000082
 2.91   3487969.00    35745.80            0.04
BRAZOS          UPPER BRAZOS   275457.*      PF 1      6730000.00      567.66      759.84                  759.90      0.000082
 2.91   3488616.00    35750.10            0.04
BRAZOS          UPPER BRAZOS   275454.*      PF 1      6730000.00      567.66      759.84                  759.90      0.000082
 2.91   3489273.00    35754.67            0.04
BRAZOS          UPPER BRAZOS   275451.*      PF 1      6730000.00      567.66      759.84                  759.90      0.000082
 2.91   3489944.00    35758.97            0.04
BRAZOS          UPPER BRAZOS   275448.*      PF 1      6730000.00      567.66      759.84                  759.90      0.000082
 2.91   3490615.00    35763.14            0.04
BRAZOS          UPPER BRAZOS   275445.*      PF 1      6730000.00      567.66      759.84                  759.90      0.000082
 2.91   3491226.00    35767.48            0.04
BRAZOS          UPPER BRAZOS   275442.*      PF 1      6730000.00      567.66      759.84                  759.90      0.000082
 2.91   3491901.00    35771.96            0.04
BRAZOS          UPPER BRAZOS   275439.*      PF 1      6730000.00      567.65      759.84                  759.90      0.000082
 2.91   3492592.00    35776.35            0.04
BRAZOS          UPPER BRAZOS   275436.*      PF 1      6730000.00      567.65      759.84                  759.90      0.000082
 2.91   3493219.00    35780.43            0.04
BRAZOS          UPPER BRAZOS   275433.*      PF 1      6730000.00      567.65      759.84                  759.90      0.000082
 2.91   3493885.00    35784.99            0.04
BRAZOS          UPPER BRAZOS   275430.*      PF 1      6730000.00      567.65      759.84                  759.90      0.000082
 2.91   3494523.00    35789.23            0.04
BRAZOS          UPPER BRAZOS   275428.*      PF 1      6730000.00      567.65      759.84                  759.90      0.000082
 2.91   3495177.00    35793.61            0.04
BRAZOS          UPPER BRAZOS   275425.*      PF 1      6730000.00      567.65      759.84                  759.90      0.000082
 2.91   3495842.00    35797.79            0.04
BRAZOS          UPPER BRAZOS   275422.*      PF 1      6730000.00      567.65      759.84                  759.90      0.000082
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 2.90   3496488.00    35802.26            0.04
BRAZOS          UPPER BRAZOS   275419.*      PF 1      6730000.00      567.65      759.84                  759.90     0.000082
 2.90   3497156.00    35806.58            0.04
BRAZOS          UPPER BRAZOS   275416.*      PF 1      6730000.00      567.65      759.83                  759.90     0.000082
 2.90   3497803.00    35810.86            0.04
BRAZOS          UPPER BRAZOS   275413.*      PF 1      6730000.00      567.64      759.83                  759.90     0.000081
 2.90   3498452.00    35815.04            0.04
BRAZOS          UPPER BRAZOS   275410.*      PF 1      6730000.00      567.64      759.83                  759.90     0.000081
 2.90   3499113.00    35819.50            0.04
BRAZOS          UPPER BRAZOS   275407.*      PF 1      6730000.00      567.64      759.83                  759.89     0.000081
 2.90   3499776.00    35823.88            0.04
BRAZOS          UPPER BRAZOS   275404.*      PF 1      6730000.00      567.64      759.83                  759.89     0.000081
 2.90   3500438.00    35828.20            0.04
BRAZOS          UPPER BRAZOS   275401.*      PF 1      6730000.00      567.64      759.83                  759.89     0.000081
 2.90   3501095.00    35832.65            0.04
BRAZOS          UPPER BRAZOS   275398.*      PF 1      6730000.00      567.64      759.83                  759.89     0.000081
 2.90   3501715.00    35836.84            0.04
BRAZOS          UPPER BRAZOS   275395.*      PF 1      6730000.00      567.64      759.83                  759.89     0.000081
 2.90   3502360.00    35841.10            0.04
BRAZOS          UPPER BRAZOS   275393.*      PF 1      6730000.00      567.64      759.83                  759.89     0.000081
 2.90   3503044.00    35845.47            0.04
BRAZOS          UPPER BRAZOS   275390.*      PF 1      6730000.00      567.64      759.83                  759.89     0.000081
 2.90   3503676.00    35849.88            0.04
BRAZOS          UPPER BRAZOS   275387.*      PF 1      6730000.00      567.63      759.83                  759.89     0.000081
 2.90   3504344.00    35854.06            0.04
BRAZOS          UPPER BRAZOS   275384.*      PF 1      6730000.00      567.63      759.83                  759.89     0.000081
 2.89   3504977.00    35858.32            0.04
BRAZOS          UPPER BRAZOS   275381.*      PF 1      6730000.00      567.63      759.83                  759.89     0.000081
 2.89   3505639.00    35862.88            0.04
BRAZOS          UPPER BRAZOS   275378.*      PF 1      6730000.00      567.63      759.83                  759.89     0.000081
 2.89   3506279.00    35867.19            0.04
BRAZOS          UPPER BRAZOS   275375.*      PF 1      6730000.00      567.63      759.83                  759.89     0.000081
 2.89   3506948.00    35871.27            0.04
BRAZOS          UPPER BRAZOS   275372.*      PF 1      6730000.00      567.63      759.83                  759.89     0.000081
 2.89   3507603.00    35875.63            0.04
BRAZOS          UPPER BRAZOS   275369.*      PF 1      6730000.00      567.63      759.83                  759.89     0.000081
 2.89   3508243.00    35880.06            0.04
BRAZOS          UPPER BRAZOS   275366.*      PF 1      6730000.00      567.63      759.83                  759.89     0.000081
 2.89   3508905.00    35884.43            0.04
BRAZOS          UPPER BRAZOS   275363.*      PF 1      6730000.00      567.63      759.83                  759.89     0.000081
 2.89   3509541.00    35888.62            0.04
BRAZOS          UPPER BRAZOS   275360.*      PF 1      6730000.00      567.62      759.83                  759.89     0.000081
 2.89   3510186.00    35892.82            0.04
BRAZOS          UPPER BRAZOS   275358.*      PF 1      6730000.00      567.62      759.83                  759.89     0.000081
 2.89   3510865.00    35897.36            0.04
BRAZOS          UPPER BRAZOS   275355.*      PF 1      6730000.00      567.62      759.83                  759.89     0.000081
 2.89   3511493.00    35901.60            0.04
BRAZOS          UPPER BRAZOS   275352.*      PF 1      6730000.00      567.62      759.83                  759.89     0.000081
 2.89   3512157.00    35905.96            0.04
BRAZOS          UPPER BRAZOS   275349.*      PF 1      6730000.00      567.62      759.83                  759.89     0.000081
 2.89   3512801.00    35910.16            0.04
BRAZOS          UPPER BRAZOS   275346.*      PF 1      6730000.00      567.62      759.83                  759.89     0.000081
 2.88   3513437.00    35914.53            0.04
BRAZOS          UPPER BRAZOS   275343.*      PF 1      6730000.00      567.62      759.83                  759.89     0.000081
 2.88   3514090.00    35918.76            0.04
BRAZOS          UPPER BRAZOS   275340.*      PF 1      6730000.00      567.62      759.83                  759.89     0.000081
 2.88   3514749.00    35923.12            0.04
BRAZOS          UPPER BRAZOS   275337.*      PF 1      6730000.00      567.62      759.82                  759.89     0.000081
 2.88   3515385.00    35927.46            0.04
BRAZOS          UPPER BRAZOS   275334.*      PF 1      6730000.00      567.61      759.82                  759.88     0.000080
 2.88   3516031.00    35931.68            0.04
BRAZOS          UPPER BRAZOS   275331.*      PF 1      6730000.00      567.61      759.82                  759.88     0.000080
 2.88   3516706.00    35936.04            0.04
BRAZOS          UPPER BRAZOS   275328.*      PF 1      6730000.00      567.61      759.82                  759.88     0.000080
 2.88   3517337.00    35940.45            0.04
BRAZOS          UPPER BRAZOS   275325.*      PF 1      6730000.00      567.61      759.82                  759.88     0.000080
 2.88   3517956.00    35944.65            0.04
BRAZOS          UPPER BRAZOS   275322.*      PF 1      6730000.00      567.61      759.82                  759.88     0.000080
 2.88   3518644.00    35948.82            0.04
BRAZOS          UPPER BRAZOS   275320.*      PF 1      6730000.00      567.61      759.82                  759.88     0.000080
 2.88   3519265.00    35953.17            0.04
BRAZOS          UPPER BRAZOS   275317.*      PF 1      6730000.00      567.61      759.82                  759.88     0.000080
 2.88   3519922.00    35957.71            0.04
BRAZOS          UPPER BRAZOS   275314.*      PF 1      6730000.00      567.61      759.82                  759.88     0.000080
 2.88   3520585.00    35961.92            0.04
BRAZOS          UPPER BRAZOS   275311.*      PF 1      6730000.00      567.61      759.82                  759.88     0.000080
 2.88   3521207.00    35966.12            0.04
BRAZOS          UPPER BRAZOS   275308.*      PF 1      6730000.00      567.60      759.82                  759.88     0.000080
 2.87   3521853.00    35970.28            0.04
BRAZOS          UPPER BRAZOS   275305.*      PF 1      6730000.00      567.60      759.82                  759.88     0.000080
 2.87   3522529.00    35974.82            0.04
BRAZOS          UPPER BRAZOS   275302.*      PF 1      6730000.00      567.60      759.82                  759.88     0.000080
 2.87   3523153.00    35979.02            0.04
BRAZOS          UPPER BRAZOS   275299.*      PF 1      6730000.00      567.60      759.82                  759.88     0.000080
 2.87   3523803.00    35983.23            0.04
BRAZOS          UPPER BRAZOS   275296.*      PF 1      6730000.00      567.60      759.82                  759.88     0.000080
 2.87   3524457.00    35987.73            0.04
BRAZOS          UPPER BRAZOS   275293.*      PF 1      6730000.00      567.60      759.82                  759.88     0.000080
 2.87   3525077.00    35991.91            0.04
BRAZOS          UPPER BRAZOS   275290.*      PF 1      6730000.00      567.60      759.82                  759.88     0.000080
 2.87   3525717.00    35996.27            0.04
BRAZOS          UPPER BRAZOS   275287.*      PF 1      6730000.00      567.60      759.82                  759.88     0.000080
 2.87   3526378.00    36000.33            0.04
BRAZOS          UPPER BRAZOS   275285.*      PF 1      6730000.00      567.60      759.82                  759.88     0.000080
 2.87   3527024.00    36004.87            0.04
BRAZOS          UPPER BRAZOS   275282.*      PF 1      6730000.00      567.59      759.82                  759.88     0.000080
 2.87   3527672.00    36009.01            0.04
BRAZOS          UPPER BRAZOS   275279.*      PF 1      6730000.00      567.59      759.82                  759.88     0.000080
 2.87   3528308.00    36013.35            0.04
BRAZOS          UPPER BRAZOS   275276.*      PF 1      6730000.00      567.59      759.82                  759.88     0.000080
 2.87   3528959.00    36017.75            0.04
BRAZOS          UPPER BRAZOS   275273.*      PF 1      6730000.00      567.59      759.82                  759.88     0.000080
 2.87   3529602.00    36021.93            0.04
BRAZOS          UPPER BRAZOS   275270.*      PF 1      6730000.00      567.59      759.82                  759.88     0.000080
 2.87   3530248.00    36026.28            0.04
BRAZOS          UPPER BRAZOS   275267.*      PF 1      6730000.00      567.59      759.82                  759.88     0.000080
 2.86   3530903.00    36030.42            0.04
BRAZOS          UPPER BRAZOS   275264.*      PF 1      6730000.00      567.59      759.82                  759.88     0.000080
 2.86   3531510.00    36034.94            0.04
BRAZOS          UPPER BRAZOS   275261.*      PF 1      6730000.00      567.59      759.82                  759.88     0.000080
 2.86   3532173.00    36038.99            0.04
BRAZOS          UPPER BRAZOS   275258.*      PF 1      6730000.00      567.59      759.82                  759.87     0.000080
 2.86   3532811.00    36043.33            0.04
BRAZOS          UPPER BRAZOS   275255.*      PF 1      6730000.00      567.59      759.81                  759.87     0.000079
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 2.86   3533463.00    36047.63            0.04
BRAZOS          UPPER BRAZOS   275252.*      PF 1      6730000.00      567.58      759.81                  759.87     0.000079
 2.86   3534108.00    36051.99            0.04
BRAZOS          UPPER BRAZOS   275250.*      PF 1      6730000.00      567.58      759.81                  759.87     0.000079
 2.86   3534734.00    36056.20            0.04
BRAZOS          UPPER BRAZOS   275247.*      PF 1      6730000.00      567.58      759.81                  759.87     0.000079
 2.86   3535374.00    36060.37            0.04
BRAZOS          UPPER BRAZOS   275244.*      PF 1      6730000.00      567.58      759.81                  759.87     0.000079
 2.86   3536010.00    36064.89            0.04
BRAZOS          UPPER BRAZOS   275241.*      PF 1      6730000.00      567.58      759.81                  759.87     0.000079
 2.86   3536667.00    36069.02            0.04
BRAZOS          UPPER BRAZOS   275238.*      PF 1      6730000.00      567.58      759.81                  759.87     0.000079
 2.86   3537304.00    36073.23            0.04
BRAZOS          UPPER BRAZOS   275235.*      PF 1      6730000.00      567.58      759.81                  759.87     0.000079
 2.86   3537928.00    36077.58            0.04
BRAZOS          UPPER BRAZOS   275232.*      PF 1      6730000.00      567.58      759.81                  759.87     0.000079
 2.86   3538572.00    36081.93            0.04
BRAZOS          UPPER BRAZOS   275229.*      PF 1      6730000.00      567.58      759.81                  759.87     0.000079
 2.85   3539208.00    36086.26            0.04
BRAZOS          UPPER BRAZOS   275226.*      PF 1      6730000.00      567.57      759.81                  759.87     0.000079
 2.85   3539840.00    36090.26            0.04
BRAZOS          UPPER BRAZOS   275223.*      PF 1      6730000.00      567.57      759.81                  759.87     0.000079
 2.85   3540506.00    36094.78            0.04
BRAZOS          UPPER BRAZOS   275220.*      PF 1      6730000.00      567.57      759.81                  759.87     0.000079
 2.85   3541140.00    36098.93            0.04
BRAZOS          UPPER BRAZOS   275217.*      PF 1      6730000.00      567.57      759.81                  759.87     0.000079
 2.85   3541772.00    36103.26            0.04
BRAZOS          UPPER BRAZOS   275215.*      PF 1      6730000.00      567.57      759.81                  759.87     0.000079
 2.85   3542413.00    36107.55            0.04
BRAZOS          UPPER BRAZOS   275212.*      PF 1      6730000.00      567.57      759.81                  759.87     0.000079
 2.85   3543053.00    36111.78            0.04
BRAZOS          UPPER BRAZOS   275209.*      PF 1      6730000.00      567.57      759.81                  759.87     0.000079
 2.85   3543674.00    36116.10            0.04
BRAZOS          UPPER BRAZOS   275206.*      PF 1      6730000.00      567.57      759.81                  759.87     0.000079
 2.85   3544319.00    36120.24            0.04
BRAZOS          UPPER BRAZOS   275203.*      PF 1      6730000.00      567.57      759.81                  759.87     0.000079
 2.85   3544962.00    36124.57            0.04
BRAZOS          UPPER BRAZOS   275200.*      PF 1      6730000.00      567.56      759.81                  759.87     0.000079
 2.85   3545612.00    36128.75            0.04
BRAZOS          UPPER BRAZOS   275197.*      PF 1      6730000.00      567.56      759.81                  759.87     0.000079
 2.85   3546232.00    36133.09            0.04
BRAZOS          UPPER BRAZOS   275194.*      PF 1      6730000.00      567.56      759.81                  759.87     0.000079
 2.85   3546887.00    36137.41            0.04
BRAZOS          UPPER BRAZOS   275191.*      PF 1      6730000.00      567.56      759.81                  759.87     0.000079
 2.85   3547499.00    36141.73            0.04
BRAZOS          UPPER BRAZOS   275188.*      PF 1      6730000.00      567.56      759.81                  759.87     0.000079
 2.84   3548155.00    36145.96            0.04
BRAZOS          UPPER BRAZOS   275185.*      PF 1      6730000.00      567.56      759.81                  759.87     0.000079
 2.84   3548796.00    36150.05            0.04
BRAZOS          UPPER BRAZOS   275182.*      PF 1      6730000.00      567.56      759.81                  759.86     0.000079
 2.84   3549424.00    36154.38            0.04
BRAZOS          UPPER BRAZOS   275180.*      PF 1      6730000.00      567.56      759.81                  759.86     0.000079
 2.84   3550072.00    36158.69            0.04
BRAZOS          UPPER BRAZOS   275177.*      PF 1      6730000.00      567.56      759.80                  759.86     0.000079
 2.84   3550696.00    36162.92            0.04
BRAZOS          UPPER BRAZOS   275174.*      PF 1      6730000.00      567.55      759.80                  759.86     0.000078
 2.84   3551310.00    36167.20            0.04
BRAZOS          UPPER BRAZOS   275171.*      PF 1      6730000.00      567.55      759.80                  759.86     0.000078
 2.84   3551964.00    36171.51            0.04
BRAZOS          UPPER BRAZOS   275168.*      PF 1      6730000.00      567.55      759.80                  759.86     0.000078
 2.84   3552611.00    36175.83            0.04
BRAZOS          UPPER BRAZOS   275165.*      PF 1      6730000.00      567.55      759.80                  759.86     0.000078
 2.84   3553267.00    36179.95            0.04
BRAZOS          UPPER BRAZOS   275162.*      PF 1      6730000.00      567.55      759.80                  759.86     0.000078
 2.84   3553866.00    36184.18            0.04
BRAZOS          UPPER BRAZOS   275159.*      PF 1      6730000.00      567.55      759.80                  759.86     0.000078
 2.84   3554503.00    36188.44            0.04
BRAZOS          UPPER BRAZOS   275156.*      PF 1      6730000.00      567.55      759.80                  759.86     0.000078
 2.84   3555132.00    36192.76            0.04
BRAZOS          UPPER BRAZOS   275153.*      PF 1      6730000.00      567.55      759.80                  759.86     0.000078
 2.84   3555778.00    36197.07            0.04
BRAZOS          UPPER BRAZOS   275150.*      PF 1      6730000.00      567.55      759.80                  759.86     0.000078
 2.83   3556413.00    36201.10            0.04
BRAZOS          UPPER BRAZOS   275147.*      PF 1      6730000.00      567.54      759.80                  759.86     0.000078
 2.83   3557041.00    36205.61            0.04
BRAZOS          UPPER BRAZOS   275145.*      PF 1      6730000.00      567.54      759.80                  759.86     0.000078
 2.83   3557665.00    36209.67            0.04
BRAZOS          UPPER BRAZOS   275142.*      PF 1      6730000.00      567.54      759.80                  759.86     0.000078
 2.83   3558301.00    36214.00            0.04
BRAZOS          UPPER BRAZOS   275139.*      PF 1      6730000.00      567.54      759.80                  759.86     0.000078
 2.83   3558922.00    36218.20            0.04
BRAZOS          UPPER BRAZOS   275136.*      PF 1      6730000.00      567.54      759.80                  759.86     0.000078
 2.83   3559583.00    36222.52            0.04
BRAZOS          UPPER BRAZOS   275133.*      PF 1      6730000.00      567.54      759.80                  759.86     0.000078
 2.83   3560199.00    36226.80            0.04
BRAZOS          UPPER BRAZOS   275130.*      PF 1      6730000.00      567.54      759.80                  759.86     0.000078
 2.83   3560828.00    36230.89            0.04
BRAZOS          UPPER BRAZOS   275127.*      PF 1      6730000.00      567.54      759.80                  759.86     0.000078
 2.83   3561462.00    36235.33            0.04
BRAZOS          UPPER BRAZOS   275124.*      PF 1      6730000.00      567.54      759.80                  759.86     0.000078
 2.83   3562090.00    36239.41            0.04
BRAZOS          UPPER BRAZOS   275121.*      PF 1      6730000.00      567.53      759.80                  759.86     0.000078
 2.83   3562728.00    36243.73            0.04
BRAZOS          UPPER BRAZOS   275118.*      PF 1      6730000.00      567.53      759.80                  759.86     0.000078
 2.83   3563372.00    36247.96            0.04
BRAZOS          UPPER BRAZOS   275115.*      PF 1      6730000.00      567.53      759.80                  759.86     0.000078
 2.83   3563973.00    36252.27            0.04
BRAZOS          UPPER BRAZOS   275112.*      PF 1      6730000.00      567.53      759.80                  759.86     0.000078
 2.83   3564619.00    36256.52            0.04
BRAZOS          UPPER BRAZOS   275109.*      PF 1      6730000.00      567.53      759.80                  759.86     0.000078
 2.82   3565251.00    36260.60            0.04
BRAZOS          UPPER BRAZOS   275107.*      PF 1      6730000.00      567.53      759.80                  759.85     0.000078
 2.82   3565885.00    36265.09            0.04
BRAZOS          UPPER BRAZOS   275104.*      PF 1      6730000.00      567.53      759.80                  759.85     0.000078
 2.82   3566506.00    36269.13            0.04
BRAZOS          UPPER BRAZOS   275101.*      PF 1      6730000.00      567.53      759.80                  759.85     0.000078
 2.82   3567136.00    36273.38            0.04
BRAZOS          UPPER BRAZOS   275098.*      PF 1      6730000.00      567.53      759.79                  759.85     0.000078
 2.82   3567759.00    36277.46            0.04
BRAZOS          UPPER BRAZOS   275095.*      PF 1      6730000.00      567.52      759.79                  759.85     0.000078
 2.82   3568411.00    36281.95            0.04
BRAZOS          UPPER BRAZOS   275092.*      PF 1      6730000.00      567.52      759.79                  759.85     0.000078
 2.82   3569028.00    36285.98            0.04
BRAZOS          UPPER BRAZOS   275089.*      PF 1      6730000.00      567.52      759.79                  759.85     0.000077
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 2.82   3569657.00    36290.23            0.04
BRAZOS          UPPER BRAZOS   275086.*      PF 1      6730000.00      567.52      759.79                  759.85     0.000077
 2.82   3570270.00    36294.73            0.04
BRAZOS          UPPER BRAZOS   275083.*      PF 1      6730000.00      567.52      759.79                  759.85     0.000077
 2.82   3570912.00    36298.79            0.04
BRAZOS          UPPER BRAZOS   275080.*      PF 1      6730000.00      567.52      759.79                  759.85     0.000077
 2.82   3571537.00    36303.10            0.04
BRAZOS          UPPER BRAZOS   275077.*      PF 1      6730000.00      567.52      759.79                  759.85     0.000077
 2.82   3572175.00    36307.13            0.04
BRAZOS          UPPER BRAZOS   275074.*      PF 1      6730000.00      567.52      759.79                  759.85     0.000077
 2.82   3572788.00    36311.57            0.04
BRAZOS          UPPER BRAZOS   275072.*      PF 1      6730000.00      567.52      759.79                  759.85     0.000077
 2.82   3573411.00    36315.63            0.04
BRAZOS          UPPER BRAZOS   275069.*      PF 1      6730000.00      567.51      759.79                  759.85     0.000077
 2.81   3574049.00    36319.92            0.04
BRAZOS          UPPER BRAZOS   275066.*      PF 1      6730000.00      567.51      759.79                  759.85     0.000077
 2.81   3574675.00    36324.40            0.04
BRAZOS          UPPER BRAZOS   275063.*      PF 1      6730000.00      567.51      759.79                  759.85     0.000077
 2.81   3575301.00    36328.38            0.04
BRAZOS          UPPER BRAZOS   275060.*      PF 1      6730000.00      567.51      759.79                  759.85     0.000077
 2.81   3575942.00    36332.68            0.04
BRAZOS          UPPER BRAZOS   275057.*      PF 1      6730000.00      567.51      759.79                  759.85     0.000077
 2.81   3576530.00    36336.73            0.04
BRAZOS          UPPER BRAZOS   275054.*      PF 1      6730000.00      567.51      759.79                  759.85     0.000077
 2.81   3577175.00    36341.21            0.04
BRAZOS          UPPER BRAZOS   275051.*      PF 1      6730000.00      567.51      759.79                  759.85     0.000077
 2.81   3577792.00    36345.18            0.04
BRAZOS          UPPER BRAZOS   275048.*      PF 1      6730000.00      567.51      759.79                  759.85     0.000077
 2.81   3578437.00    36349.48            0.04
BRAZOS          UPPER BRAZOS   275045.*      PF 1      6730000.00      567.51      759.79                  759.85     0.000077
 2.81   3579049.00    36353.77            0.04
BRAZOS          UPPER BRAZOS   275042.*      PF 1      6730000.00      567.50      759.79                  759.85     0.000077
 2.81   3579686.00    36358.00            0.04
BRAZOS          UPPER BRAZOS   275039.*      PF 1      6730000.00      567.50      759.79                  759.85     0.000077
 2.81   3580307.00    36362.26            0.04
BRAZOS          UPPER BRAZOS   275037.*      PF 1      6730000.00      567.50      759.79                  759.85     0.000077
 2.81   3580926.00    36366.26            0.04
BRAZOS          UPPER BRAZOS   275034.*      PF 1      6730000.00      567.50      759.79                  759.85     0.000077
 2.81   3581563.00    36370.74            0.04
BRAZOS          UPPER BRAZOS   275031.*      PF 1      6730000.00      567.50      759.79                  759.84     0.000077
 2.81   3582187.00    36374.77            0.04
BRAZOS          UPPER BRAZOS   275028.*      PF 1      6730000.00      567.50      759.79                  759.84     0.000077
 2.80   3582811.00    36379.07            0.04
BRAZOS          UPPER BRAZOS   275025.*      PF 1      6730000.00      567.50      759.79                  759.84     0.000077
 2.80   3583417.00    36383.34            0.04
BRAZOS          UPPER BRAZOS   275022.*      PF 1      6730000.00      567.50      759.79                  759.84     0.000077
 2.80   3584031.00    36387.52            0.04
BRAZOS          UPPER BRAZOS   275019.*      PF 1      6730000.00      567.50      759.79                  759.84     0.000077
 2.80   3584672.00    36391.81            0.04
BRAZOS          UPPER BRAZOS   275016.*      PF 1      6730000.00      567.49      759.78                  759.84     0.000077
 2.80   3585316.00    36395.84            0.04
BRAZOS          UPPER BRAZOS   275013.*      PF 1      6730000.00      567.49      759.78                  759.84     0.000077
 2.80   3585924.00    36400.29            0.04
BRAZOS          UPPER BRAZOS   275010.*      PF 1      6730000.00      567.49      759.78                  759.84     0.000077
 2.80   3586540.00    36404.28            0.04
BRAZOS          UPPER BRAZOS   275007.*      PF 1      6730000.00      567.49      759.78                  759.84     0.000077
 2.80   3587164.00    36408.55            0.04
BRAZOS          UPPER BRAZOS   275004.*      PF 1      6730000.00      567.49      759.78                  759.84     0.000076
 2.80   3587790.00    36412.85            0.04
BRAZOS          UPPER BRAZOS   275002.*      PF 1      6730000.00      567.49      759.78                  759.84     0.000076
 2.80   3588405.00    36417.03            0.04
BRAZOS          UPPER BRAZOS   274999.*      PF 1      6730000.00      567.49      759.78                  759.84     0.000076
 2.80   3589054.00    36421.32            0.04
BRAZOS          UPPER BRAZOS   274996.*      PF 1      6730000.00      567.49      759.78                  759.84     0.000076
 2.80   3589629.00    36425.30            0.04
BRAZOS          UPPER BRAZOS   274993.*      PF 1      6730000.00      567.49      759.78                  759.84     0.000076
 2.80   3590265.00    36429.58            0.04
BRAZOS          UPPER BRAZOS   274990.*      PF 1      6730000.00      567.48      759.78                  759.84     0.000076
 2.80   3590874.00    36433.76            0.04
BRAZOS          UPPER BRAZOS   274987.*      PF 1      6730000.00      567.48      759.78                  759.84     0.000076
 2.79   3591508.00    36438.04            0.04
BRAZOS          UPPER BRAZOS   274984.*      PF 1      6730000.00      567.48      759.78                  759.84     0.000076
 2.79   3592136.00    36442.33            0.04
BRAZOS          UPPER BRAZOS   274981.*      PF 1      6730000.00      567.48      759.78                  759.84     0.000076
 2.79   3592746.00    36446.48            0.04
BRAZOS          UPPER BRAZOS   274978.*      PF 1      6730000.00      567.48      759.78                  759.84     0.000076
 2.79   3593381.00    36450.77            0.04
BRAZOS          UPPER BRAZOS   274975.*      PF 1      6730000.00      567.48      759.78                  759.84     0.000076
 2.79   3593979.00    36454.77            0.04
BRAZOS          UPPER BRAZOS   274972.*      PF 1      6730000.00      567.48      759.78                  759.84     0.000076
 2.79   3594619.00    36459.05            0.04
BRAZOS          UPPER BRAZOS   274969.*      PF 1      6730000.00      567.48      759.78                  759.84     0.000076
 2.79   3595223.00    36463.20            0.04
BRAZOS          UPPER BRAZOS   274967.*      PF 1      6730000.00      567.48      759.78                  759.84     0.000076
 2.79   3595838.00    36467.47            0.04
BRAZOS          UPPER BRAZOS   274964.*      PF 1      6730000.00      567.48      759.78                  759.84     0.000076
 2.79   3596458.00    36471.76            0.04
BRAZOS          UPPER BRAZOS   274961.*      PF 1      6730000.00      567.47      759.78                  759.84     0.000076
 2.79   3597083.00    36475.93            0.04
BRAZOS          UPPER BRAZOS   274958.*      PF 1      6730000.00      567.47      759.78                  759.84     0.000076
 2.79   3597699.00    36480.21            0.04
BRAZOS          UPPER BRAZOS   274955.*      PF 1      6730000.00      567.47      759.78                  759.83     0.000076
 2.79   3598312.00    36484.50            0.04
BRAZOS          UPPER BRAZOS   274952.*      PF 1      6730000.00      567.47      759.78                  759.83     0.000076
 2.79   3598908.00    36489.36            0.04
BRAZOS          UPPER BRAZOS   274949.*      PF 1      6730000.00      567.47      759.78                  759.83     0.000076
 2.79   3599529.00    36494.02            0.04
BRAZOS          UPPER BRAZOS   274946.*      PF 1      6730000.00      567.47      759.78                  759.83     0.000076
 2.79   3600175.00    36498.87            0.04
BRAZOS          UPPER BRAZOS   274943.*      PF 1      6730000.00      567.47      759.78                  759.83     0.000076
 2.78   3600800.00    36503.71            0.04
BRAZOS          UPPER BRAZOS   274940.*      PF 1      6730000.00      567.47      759.78                  759.83     0.000076
 2.78   3601403.00    36508.14            0.04
BRAZOS          UPPER BRAZOS   274937.*      PF 1      6730000.00      567.47      759.77                  759.83     0.000076
 2.78   3602003.00    36513.15            0.04
BRAZOS          UPPER BRAZOS   274934.*      PF 1      6730000.00      567.46      759.77                  759.83     0.000076
 2.78   3602623.00    36517.61            0.04
BRAZOS          UPPER BRAZOS   274931.*      PF 1      6730000.00      567.46      759.77                  759.83     0.000076
 2.78   3603261.00    36522.41            0.04
BRAZOS          UPPER BRAZOS   274929.*      PF 1      6730000.00      567.46      759.77                  759.83     0.000076
 2.78   3603893.00    36527.02            0.04
BRAZOS          UPPER BRAZOS   274926.*      PF 1      6730000.00      567.46      759.77                  759.83     0.000076
 2.78   3604479.00    36531.82            0.04
BRAZOS          UPPER BRAZOS   274923.*      PF 1      6730000.00      567.46      759.77                  759.83     0.000076
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 2.78   3605110.00    36536.60            0.04
BRAZOS          UPPER BRAZOS   274920.*      PF 1      6730000.00      567.46      759.77                  759.83     0.000076
 2.78   3605714.00    36541.04            0.04
BRAZOS          UPPER BRAZOS   274917.*      PF 1      6730000.00      567.46      759.77                  759.83     0.000076
 2.78   3606330.00    36545.99            0.04
BRAZOS          UPPER BRAZOS   274914.*      PF 1      6730000.00      567.46      759.77                  759.83     0.000075
 2.78   3606937.00    36550.40            0.04
BRAZOS          UPPER BRAZOS   274911.*      PF 1      6730000.00      567.46      759.77                  759.83     0.000075
 2.78   3607575.00    36555.15            0.04
BRAZOS          UPPER BRAZOS   274908.*      PF 1      6730000.00      567.45      759.77                  759.83     0.000075
 2.78   3608187.00    36559.76            0.04
BRAZOS          UPPER BRAZOS   274905.*      PF 1      6730000.00      567.45      759.77                  759.83     0.000075
 2.78   3608795.00    36564.51            0.04
BRAZOS          UPPER BRAZOS   274902.*      PF 1      6730000.00      567.45      759.77                  759.83     0.000075
 2.78   3609386.00    36569.23            0.04
BRAZOS          UPPER BRAZOS   274899.*      PF 1      6730000.00      567.45      759.77                  759.83     0.000075
 2.77   3610007.00    36573.63            0.04
BRAZOS          UPPER BRAZOS   274896.*      PF 1      6730000.00      567.45      759.77                  759.83     0.000075
 2.77   3610639.00    36578.52            0.04
BRAZOS          UPPER BRAZOS   274894.*      PF 1      6730000.00      567.45      759.77                  759.83     0.000075
 2.77   3611253.00    36582.94            0.04
BRAZOS          UPPER BRAZOS   274891.*      PF 1      6730000.00      567.45      759.77                  759.83     0.000075
 2.77   3611849.00    36587.64            0.04
BRAZOS          UPPER BRAZOS   274888.*      PF 1      6730000.00      567.45      759.77                  759.83     0.000075
 2.77   3612462.00    36592.02            0.04
BRAZOS          UPPER BRAZOS   274885.*      PF 1      6730000.00      567.45      759.77                  759.83     0.000075
 2.77   3613062.00    36596.89            0.04
BRAZOS          UPPER BRAZOS   274882.*      PF 1      6730000.00      567.44      759.77                  759.83     0.000075
 2.77   3613695.00    36601.57            0.04
BRAZOS          UPPER BRAZOS   274879.*      PF 1      6730000.00      567.44      759.77                  759.82     0.000075
 2.77   3614317.00    36605.96            0.04
BRAZOS          UPPER BRAZOS   274876.*      PF 1      6730000.00      567.44      759.77                  759.82     0.000075
 2.77   3614930.00    36610.82            0.04
BRAZOS          UPPER BRAZOS   274873.*      PF 1      6730000.00      567.44      759.77                  759.82     0.000075
 2.77   3615525.00    36615.19            0.04
BRAZOS          UPPER BRAZOS   274870.*      PF 1      6730000.00      567.44      759.77                  759.82     0.000075
 2.77   3616131.00    36619.84            0.04
BRAZOS          UPPER BRAZOS   274867.*      PF 1      6730000.00      567.44      759.77                  759.82     0.000075
 2.77   3616754.00    36624.23            0.04
BRAZOS          UPPER BRAZOS   274864.*      PF 1      6730000.00      567.44      759.77                  759.82     0.000075
 2.77   3617360.00    36629.05            0.04
BRAZOS          UPPER BRAZOS   274861.*      PF 1      6730000.00      567.44      759.77                  759.82     0.000075
 2.77   3617972.00    36633.67            0.04
BRAZOS          UPPER BRAZOS   274859.*      PF 1      6730000.00      567.44      759.76                  759.82     0.000075
 2.77   3618589.00    36638.02            0.04
BRAZOS          UPPER BRAZOS   274856.*      PF 1      6730000.00      567.43      759.76                  759.82     0.000075
 2.76   3619186.00    36642.83            0.04
BRAZOS          UPPER BRAZOS   274853.*      PF 1      6730000.00      567.43      759.76                  759.82     0.000075
 2.76   3619798.00    36647.20            0.04
BRAZOS          UPPER BRAZOS   274850.*      PF 1      6730000.00      567.43      759.76                  759.82     0.000075
 2.76   3620420.00    36651.79            0.04
BRAZOS          UPPER BRAZOS   274847.*      PF 1      6730000.00      567.43      759.76                  759.82     0.000075
 2.76   3621026.00    36656.14            0.04
BRAZOS          UPPER BRAZOS   274844.*      PF 1      6730000.00      567.43      759.76                  759.82     0.000075
 2.76   3621627.00    36660.91            0.04
BRAZOS          UPPER BRAZOS   274841.*      PF 1      6730000.00      567.43      759.76                  759.82     0.000075
 2.76   3622236.00    36665.49            0.04
BRAZOS          UPPER BRAZOS   274838.*      PF 1      6730000.00      567.43      759.76                  759.82     0.000075
 2.76   3622851.00    36669.84            0.04
BRAZOS          UPPER BRAZOS   274835.*      PF 1      6730000.00      567.43      759.76                  759.82     0.000075
 2.76   3623462.00    36674.42            0.04
BRAZOS          UPPER BRAZOS   274832.*      PF 1      6730000.00      567.43      759.76                  759.82     0.000075
 2.76   3624044.00    36678.92            0.04
BRAZOS          UPPER BRAZOS   274829.*      PF 1      6730000.00      567.42      759.76                  759.82     0.000075
 2.76   3624672.00    36683.48            0.04
BRAZOS          UPPER BRAZOS   274826.*      PF 1      6730000.00      567.42      759.76                  759.82     0.000075
 2.76   3625301.00    36687.83            0.04
BRAZOS          UPPER BRAZOS   274824.*      PF 1      6730000.00      567.42      759.76                  759.82     0.000075
 2.76   3625901.00    36692.55            0.04
BRAZOS          UPPER BRAZOS   274821.*      PF 1      6730000.00      567.42      759.76                  759.82     0.000074
 2.76   3626505.00    36696.91            0.04
BRAZOS          UPPER BRAZOS   274818.*      PF 1      6730000.00      567.42      759.76                  759.82     0.000074
 2.76   3627091.00    36701.41            0.04
BRAZOS          UPPER BRAZOS   274815.*      PF 1      6730000.00      567.42      759.76                  759.82     0.000074
 2.76   3627709.00    36705.93            0.04
BRAZOS          UPPER BRAZOS   274812.*      PF 1      6730000.00      567.42      759.76                  759.82     0.000074
 2.75   3628322.00    36710.45            0.04
BRAZOS          UPPER BRAZOS   274809.*      PF 1      6730000.00      567.42      759.76                  759.82     0.000074
 2.75   3628940.00    36714.95            0.04
BRAZOS          UPPER BRAZOS   274806.*      PF 1      6730000.00      567.42      759.76                  759.82     0.000074
 2.75   3629526.00    36719.26            0.04
BRAZOS          UPPER BRAZOS   274803.*      PF 1      6730000.00      567.41      759.76                  759.81     0.000074
 2.75   3630127.00    36723.94            0.04
BRAZOS          UPPER BRAZOS   274800.*      PF 1      6730000.00      567.41      759.76                  759.81     0.000074
 2.75   3630743.00    36728.27            0.04
BRAZOS          UPPER BRAZOS   274797.*      PF 1      6730000.00      567.41      759.76                  759.81     0.000074
 2.75   3631339.00    36732.75            0.04
BRAZOS          UPPER BRAZOS   274794.*      PF 1      6730000.00      567.41      759.76                  759.81     0.000074
 2.75   3631971.00    36737.21            0.04
BRAZOS          UPPER BRAZOS   274791.*      PF 1      6730000.00      567.41      759.76                  759.81     0.000074
 2.75   3632570.00    36741.69            0.04
BRAZOS          UPPER BRAZOS   274789.*      PF 1      6730000.00      567.41      759.76                  759.81     0.000074
 2.75   3633173.00    36746.15            0.04
BRAZOS          UPPER BRAZOS   274786.*      PF 1      6730000.00      567.41      759.76                  759.81     0.000074
 2.75   3633765.00    36750.47            0.04
BRAZOS          UPPER BRAZOS   274783.*      PF 1      6730000.00      567.41      759.76                  759.81     0.000074
 2.75   3634371.00    36754.91            0.04
BRAZOS          UPPER BRAZOS   274780.*      PF 1      6730000.00      567.41      759.75                  759.81     0.000074
 2.75   3634969.00    36759.41            0.04
BRAZOS          UPPER BRAZOS   274777.*      PF 1      6730000.00      567.40      759.75                  759.81     0.000074
 2.75   3635595.00    36763.82            0.04
BRAZOS          UPPER BRAZOS   274774.*      PF 1      6730000.00      567.40      759.75                  759.81     0.000074
 2.75   3636188.00    36768.24            0.04
BRAZOS          UPPER BRAZOS   274771.*      PF 1      6730000.00      567.40      759.75                  759.81     0.000074
 2.75   3636796.00    36772.75            0.04
BRAZOS          UPPER BRAZOS   274768.*      PF 1      6730000.00      567.40      759.75                  759.81     0.000074
 2.74   3637392.00    36777.16            0.04
BRAZOS          UPPER BRAZOS   274765.*      PF 1      6730000.00      567.40      759.75                  759.81     0.000074
 2.74   3638001.00    36781.43            0.04
BRAZOS          UPPER BRAZOS   274762.*      PF 1      6730000.00      567.40      759.75                  759.81     0.000074
 2.74   3638592.00    36785.83            0.04
BRAZOS          UPPER BRAZOS   274759.*      PF 1      6730000.00      567.40      759.75                  759.81     0.000074
 2.74   3639226.00    36790.32            0.04
BRAZOS          UPPER BRAZOS   274756.*      PF 1      6730000.00      567.40      759.75                  759.81     0.000074
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 2.74   3639816.00    36794.70            0.04
BRAZOS          UPPER BRAZOS   274753.*      PF 1      6730000.00      567.40      759.75                  759.81     0.000074
 2.74   3640398.00    36799.08            0.04
BRAZOS          UPPER BRAZOS   274751.*      PF 1      6730000.00      567.39      759.75                  759.81     0.000074
 2.74   3641010.00    36803.54            0.04
BRAZOS          UPPER BRAZOS   274748.*      PF 1      6730000.00      567.39      759.75                  759.81     0.000074
 2.74   3641617.00    36807.90            0.04
BRAZOS          UPPER BRAZOS   274745.*      PF 1      6730000.00      567.39      759.75                  759.81     0.000074
 2.74   3642217.00    36812.18            0.04
BRAZOS          UPPER BRAZOS   274742.*      PF 1      6730000.00      567.39      759.75                  759.81     0.000074
 2.74   3642833.00    36816.54            0.04
BRAZOS          UPPER BRAZOS   274739.*      PF 1      6730000.00      567.39      759.75                  759.81     0.000074
 2.74   3643426.00    36821.02            0.04
BRAZOS          UPPER BRAZOS   274736.*      PF 1      6730000.00      567.39      759.75                  759.81     0.000074
 2.74   3644011.00    36825.33            0.04
BRAZOS          UPPER BRAZOS   274733.*      PF 1      6730000.00      567.39      759.75                  759.81     0.000074
 2.74   3644627.00    36829.67            0.04
BRAZOS          UPPER BRAZOS   274730.*      PF 1      6730000.00      567.39      759.75                  759.81     0.000074
 2.74   3645224.00    36833.95            0.04
BRAZOS          UPPER BRAZOS   274727.*      PF 1      6730000.00      567.39      759.75                  759.80     0.000073
 2.74   3645808.00    36838.46            0.04
BRAZOS          UPPER BRAZOS   274724.*      PF 1      6730000.00      567.38      759.75                  759.80     0.000073
 2.73   3646432.00    36842.70            0.04
BRAZOS          UPPER BRAZOS   274721.*      PF 1      6730000.00      567.38      759.75                  759.80     0.000073
 2.73   3647029.00    36847.01            0.04
BRAZOS          UPPER BRAZOS   274718.*      PF 1      6730000.00      567.38      759.75                  759.80     0.000073
 2.73   3647618.00    36851.48            0.04
BRAZOS          UPPER BRAZOS   274716.*      PF 1      6730000.00      567.38      759.75                  759.80     0.000073
 2.73   3648226.00    36855.78            0.04
BRAZOS          UPPER BRAZOS   274713.*      PF 1      6730000.00      567.38      759.75                  759.80     0.000073
 2.73   3648795.00    36860.09            0.04
BRAZOS          UPPER BRAZOS   274710.*      PF 1      6730000.00      567.38      759.75                  759.80     0.000073
 2.73   3649394.00    36864.31            0.04
BRAZOS          UPPER BRAZOS   274707.*      PF 1      6730000.00      567.38      759.75                  759.80     0.000073
 2.73   3650032.00    36868.79            0.04
BRAZOS          UPPER BRAZOS   274704.*      PF 1      6730000.00      567.38      759.75                  759.80     0.000073
 2.73   3650593.00    36873.03            0.04
BRAZOS          UPPER BRAZOS   274701.*      PF 1      6730000.00      567.38      759.75                  759.80     0.000073
 2.73   3651201.00    36877.32            0.04
BRAZOS          UPPER BRAZOS   274698.*      PF 1      6730000.00      567.38      759.74                  759.80     0.000073
 2.73   3651791.00    36881.75            0.04
BRAZOS          UPPER BRAZOS   274695.*      PF 1      6730000.00      567.37      759.74                  759.80     0.000073
 2.73   3652411.00    36885.99            0.04
BRAZOS          UPPER BRAZOS   274692.*      PF 1      6730000.00      567.37      759.74                  759.80     0.000073
 2.73   3653009.00    36890.25            0.04
BRAZOS          UPPER BRAZOS   274689.*      PF 1      6730000.00      567.37      759.74                  759.80     0.000073
 2.73   3653603.00    36894.48            0.04
BRAZOS          UPPER BRAZOS   274686.*      PF 1      6730000.00      567.37      759.74                  759.80     0.000073
 2.73   3654204.00    36898.92            0.04
BRAZOS          UPPER BRAZOS   274683.*      PF 1      6730000.00      567.37      759.74                  759.80     0.000073
 2.73   3654789.00    36903.13            0.04
BRAZOS          UPPER BRAZOS   274681.*      PF 1      6730000.00      567.37      759.74                  759.80     0.000073
 2.72   3655374.00    36907.38            0.04
BRAZOS          UPPER BRAZOS   274678.*      PF 1      6730000.00      567.37      759.74                  759.80     0.000073
 2.72   3655976.00    36911.37            0.04
BRAZOS          UPPER BRAZOS   274675.*      PF 1      6730000.00      567.37      759.74                  759.80     0.000073
 2.72   3656580.00    36915.36            0.04
BRAZOS          UPPER BRAZOS   274672.*      PF 1      6730000.00      567.37      759.74                  759.80     0.000073
 2.72   3657190.00    36919.18            0.04
BRAZOS          UPPER BRAZOS   274669.*      PF 1      6730000.00      567.36      759.74                  759.80     0.000073
 2.72   3657780.00    36922.95            0.04
BRAZOS          UPPER BRAZOS   274666.*      PF 1      6730000.00      567.36      759.74                  759.80     0.000073
 2.72   3658365.00    36926.95            0.04
BRAZOS          UPPER BRAZOS   274663.*      PF 1      6730000.00      567.36      759.74                  759.80     0.000073
 2.72   3658947.00    36930.74            0.04
BRAZOS          UPPER BRAZOS   274660.*      PF 1      6730000.00      567.36      759.74                  759.80     0.000073
 2.72   3659575.00    36934.55            0.04
BRAZOS          UPPER BRAZOS   274657.*      PF 1      6730000.00      567.36      759.74                  759.80     0.000073
 2.72   3660147.00    36938.34            0.04
BRAZOS          UPPER BRAZOS   274654.*      PF 1      6730000.00      567.36      759.74                  759.80     0.000073
 2.72   3660751.00    36942.28            0.04
BRAZOS          UPPER BRAZOS   274651.*      PF 1      6730000.00      567.36      759.74                  759.79     0.000073
 2.72   3661343.00    36946.08            0.04
BRAZOS          UPPER BRAZOS   274648.*      PF 1      6730000.00      567.36      759.74                  759.79     0.000073
 2.72   3661927.00    36949.86            0.04
BRAZOS          UPPER BRAZOS   274646.*      PF 1      6730000.00      567.36      759.74                  759.79     0.000073
 2.72   3662507.00    36953.82            0.04
BRAZOS          UPPER BRAZOS   274643.*      PF 1      6730000.00      567.35      759.74                  759.79     0.000073
 2.72   3663125.00    36957.59            0.04
BRAZOS          UPPER BRAZOS   274640.*      PF 1      6730000.00      567.35      759.74                  759.79     0.000073
 2.72   3663719.00    36961.36            0.04
BRAZOS          UPPER BRAZOS   274637.*      PF 1      6730000.00      567.35      759.74                  759.79     0.000073
 2.71   3664302.00    36965.13            0.04
BRAZOS          UPPER BRAZOS   274634.*      PF 1      6730000.00      567.35      759.74                  759.79     0.000073
 2.71   3664896.00    36969.10            0.04
BRAZOS          UPPER BRAZOS   274631.*      PF 1      6730000.00      567.35      759.74                  759.79     0.000072
 2.71   3665503.00    36972.86            0.04
BRAZOS          UPPER BRAZOS   274628.*      PF 1      6730000.00      567.35      759.74                  759.79     0.000072
 2.71   3666068.00    36976.61            0.04
BRAZOS          UPPER BRAZOS   274625.*      PF 1      6730000.00      567.35      759.74                  759.79     0.000072
 2.71   3666663.00    36980.36            0.04
BRAZOS          UPPER BRAZOS   274622.*      PF 1      6730000.00      567.35      759.74                  759.79     0.000072
 2.71   3667261.00    36984.32            0.04
BRAZOS          UPPER BRAZOS   274619.*      PF 1      6730000.00      567.35      759.73                  759.79     0.000072
 2.71   3667839.00    36988.07            0.04
BRAZOS          UPPER BRAZOS   274616.*      PF 1      6730000.00      567.34      759.73                  759.79     0.000072
 2.71   3668447.00    36991.82            0.04
BRAZOS          UPPER BRAZOS   274613.*      PF 1      6730000.00      567.34      759.73                  759.79     0.000072
 2.71   3669039.00    36995.76            0.04
BRAZOS          UPPER BRAZOS   274611.*      PF 1      6730000.00      567.34      759.73                  759.79     0.000072
 2.71   3669619.00    36999.50            0.04
BRAZOS          UPPER BRAZOS   274608.*      PF 1      6730000.00      567.34      759.73                  759.79     0.000072
 2.71   3670204.00    37003.25            0.04
BRAZOS          UPPER BRAZOS   274605.*      PF 1      6730000.00      567.34      759.73                  759.79     0.000072
 2.71   3670807.00    37006.99            0.04
BRAZOS          UPPER BRAZOS   274602.*      PF 1      6730000.00      567.34      759.73                  759.79     0.000072
 2.71   3671391.00    37010.91            0.04
BRAZOS          UPPER BRAZOS   274599.*      PF 1      6730000.00      567.34      759.73                  759.79     0.000072
 2.71   3671988.00    37014.64            0.04
BRAZOS          UPPER BRAZOS   274596.*      PF 1      6730000.00      567.34      759.73                  759.79     0.000072
 2.71   3672554.00    37018.38            0.04
BRAZOS          UPPER BRAZOS   274593.*      PF 1      6730000.00      567.34      759.73                  759.79     0.000072
 2.70   3673149.00    37022.30            0.04
BRAZOS          UPPER BRAZOS   274590.*      PF 1      6730000.00      567.33      759.73                  759.79     0.000072
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 2.70   3673765.00    37026.03            0.04
BRAZOS          UPPER BRAZOS   274587.*      PF 1      6730000.00      567.33      759.73                  759.79     0.000072
 2.70   3674319.00    37029.73            0.04
BRAZOS          UPPER BRAZOS   274584.*      PF 1      6730000.00      567.33      759.73                  759.79     0.000072
 2.70   3674928.00    37033.47            0.04
BRAZOS          UPPER BRAZOS   274581.*      PF 1      6730000.00      567.33      759.73                  759.79     0.000072
 2.70   3675522.00    37037.38            0.04
BRAZOS          UPPER BRAZOS   274578.*      PF 1      6730000.00      567.33      759.73                  759.79     0.000072
 2.70   3676106.00    37041.09            0.04
BRAZOS          UPPER BRAZOS   274575.*      PF 1      6730000.00      567.33      759.73                  759.78     0.000072
 2.70   3676679.00    37044.82            0.04
BRAZOS          UPPER BRAZOS   274573.*      PF 1      6730000.00      567.33      759.73                  759.78     0.000072
 2.70   3677275.00    37048.51            0.04
BRAZOS          UPPER BRAZOS   274570.*      PF 1      6730000.00      567.33      759.73                  759.78     0.000072
 2.70   3677874.00    37052.41            0.04
BRAZOS          UPPER BRAZOS   274567.*      PF 1      6730000.00      567.33      759.73                  759.78     0.000072
 2.70   3678436.00    37056.13            0.04
BRAZOS          UPPER BRAZOS   274564.*      PF 1      6730000.00      567.32      759.73                  759.78     0.000072
 2.70   3679024.00    37059.85            0.04
BRAZOS          UPPER BRAZOS   274561.*      PF 1      6730000.00      567.32      759.73                  759.78     0.000072
 2.70   3679611.00    37063.72            0.04
BRAZOS          UPPER BRAZOS   274558.*      PF 1      6730000.00      567.32      759.73                  759.78     0.000072
 2.70   3680205.00    37067.42            0.04
BRAZOS          UPPER BRAZOS   274555.*      PF 1      6730000.00      567.32      759.73                  759.78     0.000072
 2.70   3680788.00    37071.13            0.04
BRAZOS          UPPER BRAZOS   274552.*      PF 1      6730000.00      567.32      759.73                  759.78     0.000072
 2.70   3681382.00    37074.82            0.04
BRAZOS          UPPER BRAZOS   274549.*      PF 1      6730000.00      567.32      759.73                  759.78     0.000072
 2.70   3681961.00    37078.71            0.04
BRAZOS          UPPER BRAZOS   274546.*      PF 1      6730000.00      567.32      759.73                  759.78     0.000072
 2.69   3682517.00    37082.38            0.04
BRAZOS          UPPER BRAZOS   274543.*      PF 1      6730000.00      567.32      759.73                  759.78     0.000072
 2.69   3683125.00    37086.08            0.04
BRAZOS          UPPER BRAZOS   274540.*      PF 1      6730000.00      567.32      759.72                  759.78     0.000072
 2.69   3683703.00    37089.95            0.04
BRAZOS          UPPER BRAZOS   274538.*      PF 1      6730000.00      567.31      759.72                  759.78     0.000072
 2.69   3684304.00    37093.64            0.04
BRAZOS          UPPER BRAZOS   274535.*      PF 1      6730000.00      567.31      759.72                  759.78     0.000071
 2.69   3684888.00    37097.33            0.04
BRAZOS          UPPER BRAZOS   274532.*      PF 1      6730000.00      567.31      759.72                  759.78     0.000071
 2.69   3685452.00    37100.98            0.04
BRAZOS          UPPER BRAZOS   274529.*      PF 1      6730000.00      567.31      759.72                  759.78     0.000071
 2.69   3686021.00    37104.85            0.04
BRAZOS          UPPER BRAZOS   274526.*      PF 1      6730000.00      567.31      759.72                  759.78     0.000071
 2.69   3686622.00    37108.54            0.04
BRAZOS          UPPER BRAZOS   274523.*      PF 1      6730000.00      567.31      759.72                  759.78     0.000071
 2.69   3687200.00    37112.21            0.04
BRAZOS          UPPER BRAZOS   274520.*      PF 1      6730000.00      567.31      759.72                  759.78     0.000071
 2.69   3687798.00    37115.86            0.04
BRAZOS          UPPER BRAZOS   274517.*      PF 1      6730000.00      567.31      759.72                  759.78     0.000071
 2.69   3688364.00    37119.73            0.04
BRAZOS          UPPER BRAZOS   274514.*      PF 1      6730000.00      567.31      759.72                  759.78     0.000071
 2.69   3688934.00    37123.39            0.04
BRAZOS          UPPER BRAZOS   274511.*      PF 1      6730000.00      567.30      759.72                  759.78     0.000071
 2.69   3689533.00    37127.07            0.04
BRAZOS          UPPER BRAZOS   274508.*      PF 1      6730000.00      567.30      759.72                  759.78     0.000071
 2.69   3690119.00    37130.91            0.04
BRAZOS          UPPER BRAZOS   274505.*      PF 1      6730000.00      567.30      759.72                  759.78     0.000071
 2.69   3690692.00    37134.56            0.04
BRAZOS          UPPER BRAZOS   274503.*      PF 1      6730000.00      567.30      759.72                  759.78     0.000071
 2.68   3691270.00    37138.22            0.04
BRAZOS          UPPER BRAZOS   274500.*      PF 1      6730000.00      567.30      759.72                  759.78     0.000071
 2.68   3691850.00    37141.88            0.04
BRAZOS          UPPER BRAZOS   274497.*      PF 1      6730000.00      567.30      759.72                  759.77     0.000071
 2.68   3692434.00    37145.73            0.04
BRAZOS          UPPER BRAZOS   274494.*      PF 1      6730000.00      567.30      759.72                  759.77     0.000071
 2.68   3693026.00    37149.38            0.04
BRAZOS          UPPER BRAZOS   274491.*      PF 1      6730000.00      567.30      759.72                  759.77     0.000071
 2.68   3693595.00    37153.01            0.03
BRAZOS          UPPER BRAZOS   274488.*      PF 1      6730000.00      567.30      759.72                  759.77     0.000071
 2.68   3694161.00    37156.84            0.03
BRAZOS          UPPER BRAZOS   274485.*      PF 1      6730000.00      567.29      759.72                  759.77     0.000071
 2.68   3694758.00    37160.49            0.03
BRAZOS          UPPER BRAZOS   274482.*      PF 1      6730000.00      567.29      759.72                  759.77     0.000071
 2.68   3695354.00    37164.13            0.03
BRAZOS          UPPER BRAZOS   274479.*      PF 1      6730000.00      567.29      759.72                  759.77     0.000071
 2.68   3695904.00    37167.75            0.03
BRAZOS          UPPER BRAZOS   274476.*      PF 1      6730000.00      567.29      759.72                  759.77     0.000071
 2.68   3696486.00    37171.59            0.03
BRAZOS          UPPER BRAZOS   274473.*      PF 1      6730000.00      567.29      759.72                  759.77     0.000071
 2.68   3697056.00    37175.22            0.03
BRAZOS          UPPER BRAZOS   274470.*      PF 1      6730000.00      567.29      759.72                  759.77     0.000071
 2.68   3697653.00    37178.85            0.03
BRAZOS          UPPER BRAZOS   274468.*      PF 1      6730000.00      567.29      759.72                  759.77     0.000071
 2.68   3698217.00    37182.49            0.03
BRAZOS          UPPER BRAZOS   274465.*      PF 1      6730000.00      567.29      759.72                  759.77     0.000071
 2.68   3698792.00    37186.29            0.03
BRAZOS          UPPER BRAZOS   274462.*      PF 1      6730000.00      567.29      759.72                  759.77     0.000071
 2.68   3699371.00    37189.91            0.03
BRAZOS          UPPER BRAZOS   274459.*      PF 1      6730000.00      567.28      759.71                  759.77     0.000071
 2.67   3699948.00    37193.56            0.03
BRAZOS          UPPER BRAZOS   274456.*      PF 1      6730000.00      567.28      759.71                  759.77     0.000071
 2.67   3700519.00    37197.37            0.03
BRAZOS          UPPER BRAZOS   274453.*      PF 1      6730000.00      567.28      759.71                  759.77     0.000071
 2.67   3701122.00    37200.98            0.03
BRAZOS          UPPER BRAZOS   274450.*      PF 1      6730000.00      567.28      759.71                  759.77     0.000071
 2.67   3701677.00    37204.59            0.03
BRAZOS          UPPER BRAZOS   274447.*      PF 1      6730000.00      567.28      759.71                  759.77     0.000071
 2.67   3702254.00    37208.21            0.03
BRAZOS          UPPER BRAZOS   274444.*      PF 1      6730000.00      567.28      759.71                  759.77     0.000071
 2.67   3702830.00    37212.01            0.03
BRAZOS          UPPER BRAZOS   274441.*      PF 1      6730000.00      567.28      759.71                  759.77     0.000071
 2.67   3703386.00    37215.62            0.03
BRAZOS          UPPER BRAZOS   274438.*      PF 1      6730000.00      567.28      759.71                  759.77     0.000070
 2.67   3703957.00    37219.22            0.03
BRAZOS          UPPER BRAZOS   274435.*      PF 1      6730000.00      567.28      759.71                  759.77     0.000070
 2.67   3704567.00    37223.02            0.03
BRAZOS          UPPER BRAZOS   274433.*      PF 1      6730000.00      567.27      759.71                  759.77     0.000070
 2.67   3705138.00    37226.63            0.03
BRAZOS          UPPER BRAZOS   274430.*      PF 1      6730000.00      567.27      759.71                  759.77     0.000070
 2.67   3705673.00    37230.23            0.03
BRAZOS          UPPER BRAZOS   274427.*      PF 1      6730000.00      567.27      759.71                  759.77     0.000070
 2.67   3706266.00    37233.84            0.03
BRAZOS          UPPER BRAZOS   274424.*      PF 1      6730000.00      567.27      759.71                  759.77     0.000070
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 2.67   3706841.00    37237.60            0.03
BRAZOS          UPPER BRAZOS   274421.*      PF 1      6730000.00      567.27      759.71                  759.76     0.000070
 2.67   3707391.00    37241.20            0.03
BRAZOS          UPPER BRAZOS   274418.*      PF 1      6730000.00      567.27      759.71                  759.76     0.000070
 2.67   3707992.00    37244.80            0.03
BRAZOS          UPPER BRAZOS   274415.*      PF 1      6730000.00      567.27      759.71                  759.76     0.000070
 2.67   3708573.00    37248.39            0.03
BRAZOS          UPPER BRAZOS   274412.*      PF 1      6730000.00      567.27      759.71                  759.76     0.000070
 2.66   3709125.00    37252.18            0.03
BRAZOS          UPPER BRAZOS   274409.*      PF 1      6730000.00      567.27      759.71                  759.76     0.000070
 2.66   3709683.00    37255.76            0.03
BRAZOS          UPPER BRAZOS   274406.*      PF 1      6730000.00      567.26      759.71                  759.76     0.000070
 2.66   3710282.00    37259.35            0.03
BRAZOS          UPPER BRAZOS   274403.*      PF 1      6730000.00      567.26      759.71                  759.76     0.000070
 2.66   3710838.00    37263.12            0.03
BRAZOS          UPPER BRAZOS   274400.*      PF 1      6730000.00      567.26      759.71                  759.76     0.000070
 2.66   3711443.00    37266.71            0.03
BRAZOS          UPPER BRAZOS   274397.*      PF 1      6730000.00      567.26      759.71                  759.76     0.000070
 2.66   3711979.00    37270.27            0.03
BRAZOS          UPPER BRAZOS   274395.*      PF 1      6730000.00      567.26      759.71                  759.76     0.000070
 2.66   3712565.00    37273.85            0.03
BRAZOS          UPPER BRAZOS   274392.*      PF 1      6730000.00      567.26      759.71                  759.76     0.000070
 2.66   3713143.00    37277.62            0.03
BRAZOS          UPPER BRAZOS   274389.*      PF 1      6730000.00      567.26      759.71                  759.76     0.000070
 2.66   3713697.00    37281.20            0.03
BRAZOS          UPPER BRAZOS   274386.*      PF 1      6730000.00      567.26      759.71                  759.76     0.000070
 2.66   3714275.00    37284.77            0.03
BRAZOS          UPPER BRAZOS   274383.*      PF 1      6730000.00      567.26      759.71                  759.76     0.000070
 2.66   3714841.00    37288.52            0.03
BRAZOS          UPPER BRAZOS   274380.*      PF 1      6730000.00      567.26      759.70                  759.76     0.000070
 2.66   3715393.00    37292.09            0.03
BRAZOS          UPPER BRAZOS   274377.*      PF 1      6730000.00      567.25      759.70                  759.76     0.000070
 2.66   3715986.00    37295.66            0.03
BRAZOS          UPPER BRAZOS   274374.*      PF 1      6730000.00      567.25      759.70                  759.76     0.000070
 2.66   3716543.00    37299.22            0.03
BRAZOS          UPPER BRAZOS   274371.*      PF 1      6730000.00      567.25      759.70                  759.76     0.000070
 2.66   3717123.00    37302.98            0.03
BRAZOS          UPPER BRAZOS   274368.*      PF 1      6730000.00      567.25      759.70                  759.76     0.000070
 2.66   3717665.00    37306.53            0.03
BRAZOS          UPPER BRAZOS   274365.*      PF 1      6730000.00      567.25      759.70                  759.76     0.000070
 2.65   3718235.00    37310.09            0.03
BRAZOS          UPPER BRAZOS   274362.*      PF 1      6730000.00      567.25      759.70                  759.76     0.000070
 2.65   3718811.00    37313.64            0.03
BRAZOS          UPPER BRAZOS   274360.*      PF 1      6730000.00      567.25      759.70                  759.76     0.000070
 2.65   3719384.00    37317.39            0.03
BRAZOS          UPPER BRAZOS   274357.*      PF 1      6730000.00      567.25      759.70                  759.76     0.000070
 2.65   3719963.00    37320.94            0.03
BRAZOS          UPPER BRAZOS   274354.*      PF 1      6730000.00      567.25      759.70                  759.76     0.000070
 2.65   3720508.00    37324.50            0.03
BRAZOS          UPPER BRAZOS   274351.*      PF 1      6730000.00      567.24      759.70                  759.76     0.000070
 2.65   3721070.00    37328.23            0.03
BRAZOS          UPPER BRAZOS   274348.*      PF 1      6730000.00      567.24      759.70                  759.76     0.000070
 2.65   3721637.00    37331.79            0.03
BRAZOS          UPPER BRAZOS   274345.*      PF 1      6730000.00      567.24      759.70                  759.75     0.000070
 2.65   3722200.00    37335.33            0.03
BRAZOS          UPPER BRAZOS   274342.*      PF 1      6730000.00      567.24      759.70                  759.75     0.000070
 2.65   3722779.00    37338.87            0.03
BRAZOS          UPPER BRAZOS   274339.*      PF 1      6730000.00      567.24      759.70                  759.75     0.000070
 2.65   3723341.00    37342.59            0.03
BRAZOS          UPPER BRAZOS   274336.*      PF 1      6730000.00      567.24      759.70                  759.75     0.000069
 2.65   3723902.00    37346.14            0.03
BRAZOS          UPPER BRAZOS   274333.*      PF 1      6730000.00      567.24      759.70                  759.75     0.000069
 2.65   3724472.00    37349.68            0.03
BRAZOS          UPPER BRAZOS   274330.*      PF 1      6730000.00      567.24      759.70                  759.75     0.000069
 2.65   3725046.00    37353.41            0.03
BRAZOS          UPPER BRAZOS   274327.*      PF 1      6730000.00      567.24      759.70                  759.75     0.000069
 2.65   3725593.00    37356.93            0.03
BRAZOS          UPPER BRAZOS   274325.*      PF 1      6730000.00      567.23      759.70                  759.75     0.000069
 2.65   3726153.00    37360.46            0.03
BRAZOS          UPPER BRAZOS   274322.*      PF 1      6730000.00      567.23      759.70                  759.75     0.000069
 2.64   3726740.00    37364.00            0.03
BRAZOS          UPPER BRAZOS   274319.*      PF 1      6730000.00      567.23      759.70                  759.75     0.000069
 2.64   3727294.00    37367.71            0.03
BRAZOS          UPPER BRAZOS   274316.*      PF 1      6730000.00      567.23      759.70                  759.75     0.000069
 2.64   3727865.00    37371.23            0.03
BRAZOS          UPPER BRAZOS   274313.*      PF 1      6730000.00      567.23      759.70                  759.75     0.000069
 2.64   3728415.00    37374.76            0.03
BRAZOS          UPPER BRAZOS   274310.*      PF 1      6730000.00      567.23      759.70                  759.75     0.000069
 2.64   3728976.00    37378.29            0.03
BRAZOS          UPPER BRAZOS   274307.*      PF 1      6730000.00      567.23      759.70                  759.75     0.000069
 2.64   3729536.00    37381.99            0.03
BRAZOS          UPPER BRAZOS   274304.*      PF 1      6730000.00      567.23      759.70                  759.75     0.000069
 2.64   3730092.00    37385.52            0.03
BRAZOS          UPPER BRAZOS   274301.*      PF 1      6730000.00      567.23      759.69                  759.75     0.000069
 2.64   3730663.00    37389.04            0.03
BRAZOS          UPPER BRAZOS   274298.*      PF 1      6730000.00      567.22      759.69                  759.75     0.000069
 2.64   3731258.00    37392.74            0.03
BRAZOS          UPPER BRAZOS   274295.*      PF 1      6730000.00      567.22      759.69                  759.75     0.000069
 2.64   3731797.00    37396.27            0.03
BRAZOS          UPPER BRAZOS   274292.*      PF 1      6730000.00      567.22      759.69                  759.75     0.000069
 2.64   3732356.00    37399.78            0.03
BRAZOS          UPPER BRAZOS   274290.*      PF 1      6730000.00      567.22      759.69                  759.75     0.000069
 2.64   3732915.00    37403.30            0.03
BRAZOS          UPPER BRAZOS   274287.*      PF 1      6730000.00      567.22      759.69                  759.75     0.000069
 2.64   3733492.00    37406.98            0.03
BRAZOS          UPPER BRAZOS   274284.*      PF 1      6730000.00      567.22      759.69                  759.75     0.000069
 2.64   3734046.00    37410.50            0.03
BRAZOS          UPPER BRAZOS   274281.*      PF 1      6730000.00      567.22      759.69                  759.75     0.000069
 2.64   3734612.00    37414.01            0.03
BRAZOS          UPPER BRAZOS   274278.*      PF 1      6730000.00      567.22      759.69                  759.75     0.000069
 2.64   3735165.00    37417.70            0.03
BRAZOS          UPPER BRAZOS   274275.*      PF 1      6730000.00      567.22      759.69                  759.75     0.000069
 2.63   3735735.00    37421.20            0.03
BRAZOS          UPPER BRAZOS   274272.*      PF 1      6730000.00      567.21      759.69                  759.75     0.000069
 2.63   3736292.00    37424.71            0.03
BRAZOS          UPPER BRAZOS   274269.*      PF 1      6730000.00      567.21      759.69                  759.75     0.000069
 2.63   3736837.00    37428.21            0.03
BRAZOS          UPPER BRAZOS   274266.*      PF 1      6730000.00      567.21      759.69                  759.75     0.000069
 2.63   3737427.00    37431.89            0.03
BRAZOS          UPPER BRAZOS   274263.*      PF 1      6730000.00      567.21      759.69                  759.74     0.000069
 2.63   3737961.00    37435.40            0.03
BRAZOS          UPPER BRAZOS   274260.*      PF 1      6730000.00      567.21      759.69                  759.74     0.000069
 2.63   3738527.00    37438.88            0.03
BRAZOS          UPPER BRAZOS   274257.*      PF 1      6730000.00      567.21      759.69                  759.74     0.000069
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 2.63   3739071.00    37442.38            0.03
BRAZOS          UPPER BRAZOS   274255.*      PF 1      6730000.00      567.21      759.69                  759.74     0.000069
 2.63   3739646.00    37446.06            0.03
BRAZOS          UPPER BRAZOS   274252.*      PF 1      6730000.00      567.21      759.69                  759.74     0.000069
 2.63   3740210.00    37449.57            0.03
BRAZOS          UPPER BRAZOS   274249.*      PF 1      6730000.00      567.21      759.69                  759.74     0.000069
 2.63   3740761.00    37453.05            0.03
BRAZOS          UPPER BRAZOS   274246.*      PF 1      6730000.00      567.20      759.69                  759.74     0.000069
 2.63   3741328.00    37456.72            0.03
BRAZOS          UPPER BRAZOS   274243.*      PF 1      6730000.00      567.20      759.69                  759.74     0.000069
 2.63   3741888.00    37460.21            0.03
BRAZOS          UPPER BRAZOS   274240.*      PF 1      6730000.00      567.20      759.69                  759.74     0.000069
 2.63   3742433.00    37463.70            0.03
BRAZOS          UPPER BRAZOS   274237.*      PF 1      6730000.00      567.20      759.69                  759.74     0.000069
 2.63   3743019.00    37467.18            0.03
BRAZOS          UPPER BRAZOS   274234.*      PF 1      6730000.00      567.20      759.69                  759.74     0.000068
 2.63   3743561.00    37470.84            0.03
BRAZOS          UPPER BRAZOS   274231.*      PF 1      6730000.00      567.20      759.69                  759.74     0.000068
 2.63   3744129.00    37474.33            0.03
BRAZOS          UPPER BRAZOS   274228.*      PF 1      6730000.00      567.20      759.69                  759.74     0.000068
 2.63   3744670.00    37477.80            0.03
BRAZOS          UPPER BRAZOS   274225.*      PF 1      6730000.00      567.20      759.69                  759.74     0.000068
 2.62   3745232.00    37481.47            0.03
BRAZOS          UPPER BRAZOS   274222.*      PF 1      6730000.00      567.20      759.69                  759.74     0.000068
 2.62   3745785.00    37484.95            0.03
BRAZOS          UPPER BRAZOS   274219.*      PF 1      6730000.00      567.19      759.69                  759.74     0.000068
 2.62   3746352.00    37488.41            0.03
BRAZOS          UPPER BRAZOS   274217.*      PF 1      6730000.00      567.19      759.69                  759.74     0.000068
 2.62   3746876.00    37491.89            0.03
BRAZOS          UPPER BRAZOS   274214.*      PF 1      6730000.00      567.19      759.69                  759.74     0.000068
 2.62   3747466.00    37495.54            0.03
BRAZOS          UPPER BRAZOS   274211.*      PF 1      6730000.00      567.19      759.69                  759.74     0.000068
 2.62   3748024.00    37499.02            0.03
BRAZOS          UPPER BRAZOS   274208.*      PF 1      6730000.00      567.19      759.69                  759.74     0.000068
 2.62   3748580.00    37502.48            0.03
BRAZOS          UPPER BRAZOS   274205.*      PF 1      6730000.00      567.19      759.68                  759.74     0.000068
 2.62   3749115.00    37505.95            0.03
BRAZOS          UPPER BRAZOS   274202.*      PF 1      6730000.00      567.19      759.68                  759.74     0.000068
 2.62   3749677.00    37509.59            0.03
BRAZOS          UPPER BRAZOS   274199.*      PF 1      6730000.00      567.19      759.68                  759.74     0.000068
 2.62   3750229.00    37513.06            0.03
BRAZOS          UPPER BRAZOS   274196.*      PF 1      6730000.00      567.19      759.68                  759.74     0.000068
 2.62   3750790.00    37516.52            0.03
BRAZOS          UPPER BRAZOS   274193.*      PF 1      6730000.00      567.18      759.68                  759.74     0.000068
 2.62   3751342.00    37520.16            0.03
BRAZOS          UPPER BRAZOS   274190.*      PF 1      6730000.00      567.18      759.68                  759.74     0.000068
 2.62   3751891.00    37523.63            0.03
BRAZOS          UPPER BRAZOS   274187.*      PF 1      6730000.00      567.18      759.68                  759.74     0.000068
 2.62   3752431.00    37527.08            0.03
BRAZOS          UPPER BRAZOS   274184.*      PF 1      6730000.00      567.18      759.68                  759.74     0.000068
 2.62   3753001.00    37530.54            0.03
BRAZOS          UPPER BRAZOS   274182.*      PF 1      6730000.00      567.18      759.68                  759.74     0.000068
 2.62   3753541.00    37534.18            0.03
BRAZOS          UPPER BRAZOS   274179.*      PF 1      6730000.00      567.18      759.68                  759.74     0.000068
 2.61   3754128.00    37537.62            0.03
BRAZOS          UPPER BRAZOS   274176.*      PF 1      6730000.00      567.18      759.68                  759.74     0.000068
 2.61   3754654.00    37541.07            0.03
BRAZOS          UPPER BRAZOS   274173.*      PF 1      6730000.00      567.18      759.68                  759.74     0.000068
 2.61   3755189.00    37544.71            0.03
BRAZOS          UPPER BRAZOS   274170.*      PF 1      6730000.00      567.18      759.68                  759.73     0.000068
 2.61   3755760.00    37548.16            0.03
BRAZOS          UPPER BRAZOS   274167.*      PF 1      6730000.00      567.17      759.68                  759.73     0.000068
 2.61   3756299.00    37551.61            0.03
BRAZOS          UPPER BRAZOS   274164.*      PF 1      6730000.00      567.17      759.68                  759.73     0.000068
 2.61   3756855.00    37555.04            0.03
BRAZOS          UPPER BRAZOS   274161.*      PF 1      6730000.00      567.17      759.68                  759.73     0.000068
 2.61   3757407.00    37558.67            0.03
BRAZOS          UPPER BRAZOS   274158.*      PF 1      6730000.00      567.17      759.68                  759.73     0.000068
 2.61   3757960.00    37562.12            0.03
BRAZOS          UPPER BRAZOS   274155.*      PF 1      6730000.00      567.17      759.68                  759.73     0.000068
 2.61   3758520.00    37565.55            0.03
BRAZOS          UPPER BRAZOS   274152.*      PF 1      6730000.00      567.17      759.68                  759.73     0.000068
 2.61   3759063.00    37568.98            0.03
BRAZOS          UPPER BRAZOS   274149.*      PF 1      6730000.00      567.17      759.68                  759.73     0.000068
 2.61   3759609.00    37572.61            0.03
BRAZOS          UPPER BRAZOS   274147.*      PF 1      6730000.00      567.17      759.68                  759.73     0.000068
 2.61   3760163.00    37576.05            0.03
BRAZOS          UPPER BRAZOS   274144.*      PF 1      6730000.00      567.17      759.68                  759.73     0.000068
 2.61   3760712.00    37579.48            0.03
BRAZOS          UPPER BRAZOS   274141.*      PF 1      6730000.00      567.16      759.68                  759.73     0.000068
 2.61   3761277.00    37583.10            0.03
BRAZOS          UPPER BRAZOS   274138.*      PF 1      6730000.00      567.16      759.68                  759.73     0.000068
 2.61   3761818.00    37586.53            0.03
BRAZOS          UPPER BRAZOS   274135.*      PF 1      6730000.00      567.16      759.68                  759.73     0.000068
 2.61   3762355.00    37589.96            0.03
BRAZOS          UPPER BRAZOS   274132.*      PF 1      6730000.00      567.16      759.68                  759.73     0.000068
 2.60   3762908.00    37593.39            0.03
BRAZOS          UPPER BRAZOS   274129.*      PF 1      6730000.00      567.16      759.68                  759.73     0.000068
 2.60   3763444.00    37597.00            0.03
BRAZOS          UPPER BRAZOS   274126.*      PF 1      6730000.00      567.16      759.68                  759.73     0.000067
 2.60   3763995.00    37600.43            0.03
BRAZOS          UPPER BRAZOS   274123.*      PF 1      6730000.00      567.16      759.68                  759.73     0.000067
 2.60   3764554.00    37603.84            0.03
BRAZOS          UPPER BRAZOS   274120.*      PF 1      6730000.00      567.16      759.68                  759.73     0.000067
 2.60   3765095.00    37607.45            0.03
BRAZOS          UPPER BRAZOS   274117.*      PF 1      6730000.00      567.16      759.68                  759.73     0.000067
 2.60   3765643.00    37610.88            0.03
BRAZOS          UPPER BRAZOS   274114.*      PF 1      6730000.00      567.15      759.68                  759.73     0.000067
 2.60   3766186.00    37614.29            0.03
BRAZOS          UPPER BRAZOS   274112.*      PF 1      6730000.00      567.15      759.68                  759.73     0.000067
 2.60   3766737.00    37617.70            0.03
BRAZOS          UPPER BRAZOS   274109.*      PF 1      6730000.00      567.15      759.67                  759.73     0.000067
 2.60   3767275.00    37621.31            0.03
BRAZOS          UPPER BRAZOS   274106.*      PF 1      6730000.00      567.15      759.67                  759.73     0.000067
 2.60   3767834.00    37624.72            0.03
BRAZOS          UPPER BRAZOS   274103.*      PF 1      6730000.00      567.15      759.67                  759.73     0.000067
 2.60   3768375.00    37628.13            0.03
BRAZOS          UPPER BRAZOS   274100.*      PF 1      6730000.00      567.15      759.67                  759.73     0.000067
 2.60   3768909.00    37631.55            0.03
BRAZOS          UPPER BRAZOS   274097.*      PF 1      6730000.00      567.15      759.67                  759.73     0.000067
 2.60   3769444.00    37635.15            0.03
BRAZOS          UPPER BRAZOS   274094.*      PF 1      6730000.00      567.15      759.67                  759.73     0.000067
 2.60   3770002.00    37638.55            0.03
BRAZOS          UPPER BRAZOS   274091.*      PF 1      6730000.00      567.15      759.67                  759.73     0.000067
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  2.60   3770531.00    37641.96           0.03
 BRAZOS          UPPER BRAZOS   274088.*      PF 1      6730000.00      567.15      759.67                  759.73     0.000067
  2.60   3771094.00    37645.56           0.03
 BRAZOS          UPPER BRAZOS   274085.*      PF 1      6730000.00      567.14      759.67                  759.73     0.000067
  2.60   3771628.00    37648.97           0.03
 BRAZOS          UPPER BRAZOS   274082.*      PF 1      6730000.00      567.14      759.67                  759.73     0.000067
  2.59   3772165.00    37652.36           0.03
 BRAZOS          UPPER BRAZOS   274079.*      PF 1      6730000.00      567.14      759.67                  759.72     0.000067
  2.59   3772721.00    37655.77           0.03
 BRAZOS          UPPER BRAZOS   274077.*      PF 1      6730000.00      567.14      759.67                  759.72     0.000067
  2.59   3773259.00    37659.35           0.03
 BRAZOS          UPPER BRAZOS   274074.*      PF 1      6730000.00      567.14      759.67                  759.72     0.000067
  2.59   3773807.00    37662.75           0.03
 BRAZOS          UPPER BRAZOS   274071.*      PF 1      6730000.00      567.14      759.67                  759.72     0.000067
  2.59   3774337.00    37666.14           0.03
 BRAZOS          UPPER BRAZOS   274068.*      PF 1      6730000.00      567.14      759.67                  759.72     0.000067
  2.59   3774877.00    37669.73           0.03
 BRAZOS          UPPER BRAZOS   274065.*      PF 1      6730000.00      567.14      759.67                  759.72     0.000067
  2.59   3775418.00    37673.12           0.03
 BRAZOS          UPPER BRAZOS   274062.*      PF 1      6730000.00      567.14      759.67                  759.72     0.000067
  2.59   3775983.00    37676.51           0.03
 BRAZOS          UPPER BRAZOS   274059.*      PF 1      6730000.00      567.13      759.67                  759.72     0.000067
  2.59   3776532.00    37679.91           0.03
 BRAZOS          UPPER BRAZOS   274056.*      PF 1      6730000.00      567.13      759.67                  759.72     0.000067
  2.59   3777039.00    37683.48           0.03
 BRAZOS          UPPER BRAZOS   274053.*      PF 1      6730000.00      567.13      759.67                  759.72     0.000067
  2.59   3777593.00    37686.87           0.03
 BRAZOS          UPPER BRAZOS   274050.*      PF 1      6730000.00      567.13      759.67                  759.72     0.000067
  2.59   3778147.00    37690.26           0.03
 BRAZOS          UPPER BRAZOS   274047.*      PF 1      6730000.00      567.13      759.67                  759.72     0.000067
  2.59   3778677.00    37693.64           0.03
 BRAZOS          UPPER BRAZOS   274044.*      PF 1      6730000.00      567.13      759.67                  759.72     0.000067
  2.59   3779212.00    37697.23           0.03
 BRAZOS          UPPER BRAZOS   274041.*      PF 1      6730000.00      567.13      759.67                  759.72     0.000067
  2.59   3779743.00    37700.61           0.03
 BRAZOS          UPPER BRAZOS   274039.*      PF 1      6730000.00      567.13      759.67                  759.72     0.000067
  2.59   3780285.00    37703.99           0.03
 BRAZOS          UPPER BRAZOS   274036.*      PF 1      6730000.00      567.13      759.67                  759.72     0.000067
  2.58   3780812.00    37707.55           0.03
 BRAZOS          UPPER BRAZOS   274033.*      PF 1      6730000.00      567.12      759.67                  759.72     0.000067
  2.58   3781367.00    37710.94           0.03
 BRAZOS          UPPER BRAZOS   274030.*      PF 1      6730000.00      567.12      759.67                  759.72     0.000067
  2.58   3781918.00    37714.31           0.03
 BRAZOS          UPPER BRAZOS   274027.*      PF 1      6730000.00      567.12      759.67                  759.72     0.000067
  2.58   3782452.00    37717.69           0.03
 BRAZOS          UPPER BRAZOS   274024.*      PF 1      6730000.00      567.12      759.67                  759.72     0.000067
  2.58   3782981.00    37721.25           0.03
 BRAZOS          UPPER BRAZOS   274021.*      PF 1      6730000.00      567.12      759.67                  759.72     0.000067
  2.58   3783516.00    37724.63           0.03
 BRAZOS          UPPER BRAZOS   274018.*      PF 1      6730000.00      567.12      759.67                  759.72     0.000066
  2.58   3784050.00    37728.00           0.03
 BRAZOS          UPPER BRAZOS   274015.*      PF 1      6730000.00      567.12      759.67                  759.72     0.000066
  2.58   3784591.00    37731.55           0.03
 BRAZOS          UPPER BRAZOS   274012.*      PF 1      6730000.00      567.12      759.66                  759.72     0.000066
  2.58   3785127.00    37734.92           0.03
 BRAZOS          UPPER BRAZOS   274009.*      PF 1      6730000.00      567.12      759.66                  759.72     0.000066
  2.58   3785655.00    37738.30           0.03
 BRAZOS          UPPER BRAZOS   274006.*      PF 1      6730000.00      567.11      759.66                  759.72     0.000066
  2.58   3786211.00    37741.66           0.03
 BRAZOS          UPPER BRAZOS   274004.*      PF 1      6730000.00      567.11      759.66                  759.72     0.000066
  2.58   3786743.00    37745.21           0.03
 BRAZOS          UPPER BRAZOS   274001.*      PF 1      6730000.00      567.11      759.66                  759.72     0.000066
  2.58   3787262.00    37748.58           0.03
 BRAZOS          UPPER BRAZOS   273998.*      PF 1      6730000.00      567.11      759.66                  759.72     0.000066
  2.58   3787819.00    37751.95           0.03
 BRAZOS          UPPER BRAZOS   273995.*      PF 1      6730000.00      567.11      759.66                  759.72     0.000066
  2.58   3788332.00    37755.30           0.03
 BRAZOS          UPPER BRAZOS   273992.*      PF 1      6730000.00      567.11      759.66                  759.72     0.000066
  2.58   3788879.00    37758.87           0.03
 BRAZOS          UPPER BRAZOS   273989.*      PF 1      6730000.00      567.11      759.66                  759.71     0.000066
  2.58   3789422.00    37762.23           0.03
 BRAZOS          UPPER BRAZOS   273986.*      PF 1      6730000.00      567.11      759.66                  759.71     0.000066
  2.57   3789934.00    37765.58           0.03
 BRAZOS          UPPER BRAZOS   273983.*      PF 1      6730000.00      567.11      759.66                  759.71     0.000066
  2.57   3790480.00    37769.13           0.03
 BRAZOS          UPPER BRAZOS   273980.*      PF 1      6730000.00      567.10      759.66                  759.71     0.000066
  2.57   3790990.00    37772.48           0.03
 BRAZOS          UPPER BRAZOS   273977.*      PF 1      6730000.00      567.10      759.66                  759.71     0.000066
  2.57   3791546.00    37775.84           0.03
 BRAZOS          UPPER BRAZOS   273974.*      PF 1      6730000.00      567.10      759.66                  759.71     0.000066
  2.57   3792083.00    37779.18           0.03
 BRAZOS          UPPER BRAZOS   273971.*      PF 1      6730000.00      567.10      759.66                  759.71     0.000066
  2.57   3792631.00    37782.73           0.03
 BRAZOS          UPPER BRAZOS   273969        PF 1      6730000.00      567.10      759.66                  759.71     0.000066
  2.57   3793143.00    37786.08           0.03


Profile Output Table - Standard Table 2

  River          Reach          River Sta     Profile   E.G. Elev   W.S. Elev   Vel Head   Frctn Loss   C & E Loss       Q Left
Q Channel      Q Right   Top Width                            (ft)        (ft)       (ft)         (ft)         (ft)        (cfs)
   (cfs)         (cfs)        (ft)

  SQUAW CREEK    SC             24757         PF 1        759.97      759.96       0.01         0.00         0.00    118069.80
25703.34      62451.20     3420.98
  SQUAW CREEK    SC             24747         PF 1        759.97      759.96       0.01         0.00         0.00    117993.10
25820.43      62410.72     3420.97
  SQUAW CREEK    SC             24698.*       PF 1        759.97      759.96       0.01         0.00         0.00    117967.70
25859.02      62397.54     3420.96
  SQUAW CREEK    SC             24649.*       PF 1        759.97      759.96       0.01         0.00         0.00    117941.60
25898.70      62383.98     3420.95
  SQUAW CREEK    SC             24600         PF 1        759.97      759.96       0.01         0.00         0.00    117916.30
25937.13      62370.85     3420.93
  SQUAW CREEK    SC             24576.2*      PF 1        759.97      759.96       0.01         0.00         0.00    115271.50
26565.69      64387.13     3434.78
  SQUAW CREEK    SC             24552.4*      PF 1        759.97      759.96       0.01         0.00         0.00    112602.10
27208.44      66413.78     3448.63
  SQUAW CREEK    SC             24528.6*      PF 1        759.97      759.96       0.01         0.00         0.00    109909.20
27864.20      68450.87     3462.55
  SQUAW CREEK    SC             24504.9*      PF 1        759.97      759.96       0.01         0.00         0.00    107186.10
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28532.76     70505.44     3476.49
  SQUAW CREEK    SC            24481.1*     PF 1         759.97      759.96      0.01        0.00        0.00    104437.90
29215.29     72571.08     3490.40
  SQUAW CREEK    SC            24457.3*     PF 1         759.97      759.95      0.01        0.00        0.00    101661.90
29912.90     74649.49     3504.26
  SQUAW CREEK    SC            24433.6*     PF 1         759.97      759.95      0.01        0.00        0.00     98864.34
30622.56     76737.41     3518.07
  SQUAW CREEK    SC            24409.8*     PF 1         759.97      759.95      0.01        0.00        0.00     96037.66
31344.84     78841.80     3531.86
  SQUAW CREEK    SC            24386.0*     PF 1         759.96      759.95      0.01        0.00        0.00     93185.16
32081.03     80958.13     3545.58
  SQUAW CREEK    SC            24362.3*     PF 1         759.96      759.95      0.01        0.00        0.00     90307.73
32826.24     83090.33     3559.25
  SQUAW CREEK    SC            24338.5*     PF 1         759.96      759.95      0.01        0.00        0.00     87410.99
33585.93     85227.38     3572.74
  SQUAW CREEK    SC            24314.7*     PF 1         759.96      759.95      0.01        0.00        0.00     84491.99
34355.29     87377.02     3586.14
  SQUAW CREEK    SC            24291        PF 1         759.96      759.95      0.01        0.01        0.00     81551.66
35138.02     89534.62     3599.39
  SQUAW CREEK    SC            23906        PF 1         759.95      759.94      0.01        0.00        0.00     64758.63
37897.32    103568.40     3816.40
  SQUAW CREEK    SC            23793.3*     PF 1         759.95      759.94      0.01        0.00        0.00     64484.87
32863.45    108876.00     3821.15
  SQUAW CREEK    SC            23680.6*     PF 1         759.94      759.93      0.01        0.00        0.00     64425.33
27966.94    113832.00     3830.19
  SQUAW CREEK    SC            23568        PF 1         759.94      759.93      0.01        0.00        0.00     64578.56
23234.89    118410.90     3841.24
  SQUAW CREEK    SC            23437.*      PF 1         759.94      759.93      0.01        0.00        0.00     56704.37
18606.83    130913.10     4635.27
  SQUAW CREEK    SC            23306.*      PF 1         759.94      759.93      0.00        0.00        0.00     52337.39
16007.40    137879.50     5448.88
  SQUAW CREEK    SC            23175.*      PF 1         759.94      759.93      0.00        0.00        0.00     49271.86
14420.69    142531.80     6309.59
  SQUAW CREEK    SC            23044        PF 1         759.93      759.93      0.01        0.00        0.00     62510.33
17645.07    126068.90     7183.89
  SQUAW CREEK    SC            23019.9*     PF 1         759.93      759.93      0.00        0.00        0.00     48537.09
13638.39    144048.80     7032.37
  SQUAW CREEK    SC            22995.8*     PF 1         759.93      759.93      0.00        0.00        0.00     49765.52
13921.64    142537.20     6880.16
  SQUAW CREEK    SC            22971.7*     PF 1         759.93      759.93      0.00        0.00        0.00     51025.88
14210.44    140988.00     6727.69
  SQUAW CREEK    SC            22947.6*     PF 1         759.93      759.93      0.00        0.00        0.00     52310.92
14503.51    139409.90     6574.50
  SQUAW CREEK    SC            22923.6*     PF 1         759.93      759.93      0.00        0.00        0.00     53620.64
14801.73    137801.90     6420.79
  SQUAW CREEK    SC            22899.5*     PF 1         759.93      759.93      0.00        0.00        0.00     54815.41
15065.82    136343.10     6242.93
  SQUAW CREEK    SC            22875.4*     PF 1         759.93      759.93      0.00        0.00        0.00     55981.99
15320.57    134921.70     6060.23
  SQUAW CREEK    SC            22851.3*     PF 1         759.93      759.93      0.00        0.00        0.00     57139.88
15570.76    133513.70     5877.53
  SQUAW CREEK    SC            22827.2*     PF 1         759.93      759.93      0.00        0.00        0.00     58281.45
15814.45    132128.40     5694.11
  SQUAW CREEK    SC            22803.2*     PF 1         759.93      759.93      0.00        0.00        0.00     59400.32
16049.97    130774.00     5510.33
  SQUAW CREEK    SC            22779.1*     PF 1         759.93      759.93      0.00        0.00        0.00     60512.92
16282.02    129429.40     5329.84
  SQUAW CREEK    SC            22755.0*     PF 1         759.93      759.93      0.00        0.00        0.00     61952.32
16599.71    127672.30     5191.56
  SQUAW CREEK    SC            22730.9*     PF 1         759.93      759.93      0.00        0.00        0.00     63456.98
16933.33    125834.00     5057.58
  SQUAW CREEK    SC            22706.8*     PF 1         759.93      759.92      0.00        0.00        0.00     65037.07
17284.01    123903.20     4927.26
  SQUAW CREEK    SC            22682.8*     PF 1         759.93      759.92      0.01        0.00        0.00     66691.81
17652.04    121880.40     4800.52
  SQUAW CREEK    SC            22658.7*     PF 1         759.93      759.92      0.01        0.00        0.00     68437.43
18040.74    119746.10     4676.81
  SQUAW CREEK    SC            22634.6*     PF 1         759.93      759.92      0.01        0.00        0.00     70273.13
18450.49    117500.70     4555.98
  SQUAW CREEK    SC            22610.5*     PF 1         759.93      759.92      0.01        0.00        0.00     72209.27
18884.54    115130.50     4437.86
  SQUAW CREEK    SC            22586.4*     PF 1         759.93      759.92      0.01        0.00        0.00     74255.69
19342.66    112626.00     4322.09
  SQUAW CREEK    SC            22562.4*     PF 1         759.93      759.92      0.01        0.00        0.00     76426.08
19829.94    109968.30     4208.59
  SQUAW CREEK    SC            22538.3*     PF 1         759.93      759.92      0.01        0.00        0.00     78727.73
20347.35    107149.20     4097.12
  SQUAW CREEK    SC            22514.2*     PF 1         759.93      759.92      0.01        0.00        0.00     81173.31
20898.98    104152.00     3987.58
  SQUAW CREEK    SC            22490.1*     PF 1         759.93      759.92      0.01        0.00        0.00     83780.53
21486.87    100956.90     3879.72
  SQUAW CREEK    SC            22466.0*     PF 1         759.93      759.92      0.01        0.00        0.00     86566.38
22117.04     97540.88     3773.54
  SQUAW CREEK    SC            22442        PF 1         759.93      759.92      0.01        0.01        0.00     89546.96
22792.05     93885.28     3668.84
  SQUAW CREEK    SC            21993        PF 1         759.92      759.91      0.01        0.01        0.00    120169.80
20573.13     65481.34     3988.74
  SQUAW CREEK    SC            21307        PF 1         759.91      759.91      0.00        0.00        0.00    148621.60
32278.92     25323.80     4748.59
  SQUAW CREEK    SC            21209.5*     PF 1         759.91      759.91      0.00        0.00        0.00    149468.80
32683.59     24071.92     4944.08
  SQUAW CREEK    SC            21112.*      PF 1         759.91      759.90      0.00        0.00        0.00    150258.00
33063.67     22902.68     5142.56
  SQUAW CREEK    SC            21014.5*     PF 1         759.91      759.90      0.00        0.00        0.00    150992.90
33426.32     21805.11     5344.38
  SQUAW CREEK    SC            20917.*      PF 1         759.91      759.90      0.00        0.00        0.00    151689.30
33774.23     20760.79     5550.83
  SQUAW CREEK    SC            20819.5*     PF 1         759.91      759.90      0.00        0.00        0.00    152748.60
34201.69     19273.99     5800.74
  SQUAW CREEK    SC            20722.*      PF 1         759.91      759.90      0.00        0.00        0.00    153382.50
34529.41     18312.39     6027.17
  SQUAW CREEK    SC            20624.5*     PF 1         759.91      759.90      0.00        0.00        0.00    153873.80
34825.86     17524.62     6250.23
  SQUAW CREEK    SC            20527.*      PF 1         759.90      759.90      0.00        0.00        0.00    154262.40
35097.42     16864.49     6471.53
  SQUAW CREEK    SC            20429.5*     PF 1         759.90      759.90      0.00        0.00        0.00    154574.30
35351.71     16298.34     6692.19
  SQUAW CREEK    SC            20332.*      PF 1         759.90      759.90      0.00        0.00        0.00    154829.50
35588.93     15805.87     6913.19
  SQUAW CREEK    SC            20234.5*     PF 1         759.90      759.90      0.00        0.00        0.00    155031.10
35816.89     15376.33     7135.22
  SQUAW CREEK    SC            20137        PF 1         759.90      759.90      0.01        0.00        0.00    138516.60
47814.21     19893.51     7358.94
  SQUAW CREEK    SC            19802        PF 1         759.90      759.89      0.01        0.00        0.00    138974.30
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35933.03 31316.95 4140.39
SQUAW CREEK SC 19213 PF 1 759.90 759.89 0.01 0.00 0.00 151071.00
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27093.93 63988.21 4984.93
SQUAW CREEK SC 18864 PF 1 759.89 759.89 0.00 0.00 0.00 140490.70
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SQUAW CREEK SC 18691.3* PF 1 759.89 759.89 0.00 0.00 0.00 149590.10
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SQUAW CREEK SC 18518.6* PF 1 759.89 759.89 0.00 0.00 0.00 154656.40
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SQUAW CREEK SC 17511 PF 1 759.89 759.89 0.00 0.00 0.00 125523.20
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  SQUAW CREEK    SC            2008.5*       PF 1         759.88      759.88       0.00         0.00         0.00    145997.60
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  SQUAW CREEK    SC            1941.04*      PF 1         759.88      759.88       0.00         0.00         0.00    145376.50
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  SQUAW CREEK    SC            1936.09*      PF 1         759.88      759.88       0.00         0.00         0.00    145329.00
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  SQUAW CREEK    SC            1931.14*      PF 1         759.88      759.88       0.00         0.00         0.00    145281.20
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  SQUAW CREEK    SC            1926.19*      PF 1         759.88      759.88       0.00         0.00         0.00    145232.30
10037.35     50954.70    14404.94
  SQUAW CREEK    SC            1921.24*      PF 1         759.88      759.88       0.00         0.00         0.00    145185.20
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  SQUAW CREEK    SC            1916.29*      PF 1         759.88      759.88       0.00         0.00         0.00    145136.50
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  SQUAW CREEK    SC            1911.34*      PF 1         759.88      759.88       0.00         0.00         0.00    145087.80
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  SQUAW CREEK    SC            1906.39*      PF 1         759.88      759.88       0.00         0.00         0.00    145040.40
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  SQUAW CREEK    SC            1901.44*      PF 1         759.88      759.88       0.00         0.00         0.00    144992.30
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  SQUAW CREEK    SC            1891.54*      PF 1         759.88      759.88       0.00         0.00         0.00    144897.10
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  SQUAW CREEK    SC            1881.64*      PF 1         759.88      759.88       0.00         0.00         0.00    144799.90
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  SQUAW CREEK    SC            1876.69*      PF 1         759.88      759.88       0.00         0.00         0.00    144751.60
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  SQUAW CREEK    SC            1871.74*      PF 1         759.88      759.88       0.00         0.00         0.00    144704.40
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  SQUAW CREEK    SC            1866.79*      PF 1         759.88      759.88       0.00         0.00         0.00    144655.90
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  SQUAW CREEK    SC            1861.83*      PF 1         759.88      759.88       0.00         0.00         0.00    144607.50
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  SQUAW CREEK    SC            1856.88*      PF 1         759.88      759.88       0.00         0.00         0.00    144560.70
10008.88     51654.72    14422.22
  SQUAW CREEK    SC            1851.93*      PF 1         759.88      759.88       0.00         0.00         0.00    144512.20
10007.10     51705.03    14423.46
  SQUAW CREEK    SC            1846.98*      PF 1         759.88      759.88       0.00         0.00         0.00    144463.60
10004.79     51755.88    14424.69
  SQUAW CREEK    SC            1842.03*      PF 1         759.88      759.88       0.00         0.00         0.00    144416.30
10003.10     51804.88    14425.93
  SQUAW CREEK    SC            1837.08*      PF 1         759.88      759.88       0.00         0.00         0.00    144368.30
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  SQUAW CREEK    SC            1832.13*      PF 1         759.88      759.88       0.00         0.00         0.00    144319.70
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  SQUAW CREEK    SC            1827.18*      PF 1         759.88      759.88       0.00         0.00         0.00    144272.20
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  SQUAW CREEK    SC            1718.27*      PF 1         759.88      759.88       0.00         0.00         0.00    143219.40
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  SQUAW CREEK    SC            1713.32*      PF 1         759.88      759.88       0.00         0.00         0.00    143171.10
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  SQUAW CREEK    SC            1708.37*      PF 1         759.88      759.88       0.00         0.00         0.00    143123.30
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  SQUAW CREEK    SC            1703.42*      PF 1         759.88      759.88       0.00         0.00         0.00    143076.30
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  SQUAW CREEK    SC            1698.46*      PF 1         759.88      759.88       0.00         0.00         0.00    143028.80
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  SQUAW CREEK    SC            1693.51*      PF 1         759.88      759.88       0.00         0.00         0.00    142980.40
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 SQUAW CREEK    SC            1683.61*      PF 1        759.88      759.88      0.00        0.00        0.00    142884.80
9938.13     53401.40    14465.43
 SQUAW CREEK    SC            1678.66*      PF 1        759.88      759.88      0.00        0.00        0.00    142837.20
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 SQUAW CREEK    SC            1673.71*      PF 1        759.88      759.88      0.00        0.00        0.00    142790.40
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 SQUAW CREEK    SC            1668.76*      PF 1        759.88      759.88      0.00        0.00        0.00    142742.50
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 SQUAW CREEK    SC            1663.81*      PF 1        759.88      759.88      0.00        0.00        0.00    142693.90
9930.05     53600.34    14470.37
 SQUAW CREEK    SC            1658.86*      PF 1        759.88      759.88      0.00        0.00        0.00    142647.00
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 SQUAW CREEK    SC            1653.91*      PF 1        759.88      759.88      0.00        0.00        0.00    142598.80
9926.02     53699.53    14472.84
 SQUAW CREEK    SC            1648.96*      PF 1        759.88      759.88      0.00        0.00        0.00    142551.00
9923.73     53749.56    14474.07
 SQUAW CREEK    SC            1644.01*      PF 1        759.88      759.88      0.00        0.00        0.00    142502.60
9921.92     53799.82    14475.31
 SQUAW CREEK    SC            1639.06*      PF 1        759.88      759.88      0.00        0.00        0.00    142456.10
9919.71     53848.52    14476.54
 SQUAW CREEK    SC            1634.11*      PF 1        759.88      759.88      0.00        0.00        0.00    142407.60
9917.89     53898.77    14477.78
 SQUAW CREEK    SC            1629.16*      PF 1        759.88      759.88      0.00        0.00        0.00    142360.20
9915.62     53948.48    14479.01
 SQUAW CREEK    SC            1624.21*      PF 1        759.88      759.88      0.00        0.00        0.00    142313.20
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 SQUAW CREEK    SC            1619.25*      PF 1        759.88      759.88      0.00        0.00        0.00    142264.80
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 SQUAW CREEK    SC            1614.30*      PF 1        759.88      759.88      0.00        0.00        0.00    142217.90
9909.33     54097.10    14482.72
 SQUAW CREEK    SC            1609.35*      PF 1        759.88      759.88      0.00        0.00        0.00    142170.80
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 SQUAW CREEK    SC            1604.40*      PF 1        759.88      759.88      0.00        0.00        0.00    142122.90
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 SQUAW CREEK    SC            1599.45*      PF 1        759.88      759.88      0.00        0.00        0.00    142074.40
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 SQUAW CREEK    SC            1589.55*      PF 1        759.88      759.88      0.00        0.00        0.00    141979.60
9899.44     54345.23    14488.89
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 SQUAW CREEK    SC            1574.70*      PF 1        759.88      759.88      0.00        0.00        0.00    141837.30
9893.12     54493.88    14492.59
 SQUAW CREEK    SC            1569.75*      PF 1        759.88      759.88      0.00        0.00        0.00    141789.00
9891.30     54544.02    14493.83
 SQUAW CREEK    SC            1564.80*      PF 1        759.88      759.88      0.00        0.00        0.00    141742.50
9889.08     54592.75    14495.06
 SQUAW CREEK    SC            1559.85*      PF 1        759.88      759.88      0.00        0.00        0.00    141694.40
9887.27     54642.62    14496.30
 SQUAW CREEK    SC            1554.90*      PF 1        759.88      759.88      0.00        0.00        0.00    141646.60
9884.96     54692.74    14497.53
 SQUAW CREEK    SC            1549.95*      PF 1        759.88      759.88      0.00        0.00        0.00    141599.90
9883.25     54741.14    14498.77
 SQUAW CREEK    SC            1545          PF 1        759.88      759.88      0.00        0.00        0.00    141552.00
9880.94     54791.31    14500.00
 SQUAW CREEK    SC            1544.5*       PF 1        759.88      759.88      0.00        0.00        0.00    141543.60
9883.69     54797.01    14501.51
 SQUAW CREEK    SC            1544.*        PF 1        759.88      759.88      0.00        0.00        0.00    141533.90
9886.46     54803.93    14503.02
 SQUAW CREEK    SC            1543.5*       PF 1        759.88      759.88      0.00        0.00        0.00    141524.80
9888.92     54810.54    14504.53
 SQUAW CREEK    SC            1543.*        PF 1        759.88      759.88      0.00        0.00        0.00    141515.30
9891.97     54817.05    14506.04
 SQUAW CREEK    SC            1542.5*       PF 1        759.88      759.88      0.00        0.00        0.00    141507.50
9895.00     54821.77    14507.55
 SQUAW CREEK    SC            1542.*        PF 1        759.88      759.88      0.00        0.00        0.00    141497.60
9897.54     54829.11    14509.06
 SQUAW CREEK    SC            1541.5*       PF 1        759.88      759.88      0.00        0.00        0.00    141489.00
9900.00     54835.32    14510.57
 SQUAW CREEK    SC            1541.*        PF 1        759.88      759.88      0.00        0.00        0.00    141478.80
9902.68     54842.83    14512.08
 SQUAW CREEK    SC            1540.5*       PF 1        759.88      759.88      0.00        0.00        0.00    141471.70
9905.57     54847.00    14513.59
 SQUAW CREEK    SC            1540.*        PF 1        759.88      759.88      0.00        0.00        0.00    141461.20
9908.65     54854.49    14515.11
 SQUAW CREEK    SC            1539.5*       PF 1        759.88      759.88      0.00        0.00        0.00    141452.80
9911.52     54859.95    14516.62
 SQUAW CREEK    SC            1539.*        PF 1        759.88      759.88      0.00        0.00        0.00    141443.10
9914.16     54867.06    14518.13
 SQUAW CREEK    SC            1538.5*       PF 1        759.88      759.88      0.00        0.00        0.00    141434.60
9916.61     54873.07    14519.64
 SQUAW CREEK    SC            1538.*        PF 1        759.88      759.88      0.00        0.00        0.00    141425.50
9919.24     54879.52    14521.15
 SQUAW CREEK    SC            1537.5*       PF 1        759.88      759.88      0.00        0.00        0.00    141415.30
9922.10     54886.88    14522.66
 SQUAW CREEK    SC            1537.*        PF 1        759.88      759.88      0.00        0.00        0.00    141407.40
9924.69     54892.16    14524.17
 SQUAW CREEK    SC            1536.5*       PF 1        759.88      759.88      0.00        0.00        0.00    141398.60
9927.66     54898.04    14525.68
 SQUAW CREEK    SC            1536.*        PF 1        759.88      759.88      0.00        0.00        0.00    141389.90
9930.59     54903.83    14527.19
 SQUAW CREEK    SC            1535.5*       PF 1        759.88      759.88      0.00        0.00        0.00    141379.30
9933.23     54911.78    14528.70
 SQUAW CREEK    SC            1535.*        PF 1        759.88      759.88      0.00        0.00        0.00    141371.50
9935.79     54917.01    14530.21
 SQUAW CREEK    SC            1534.5*       PF 1        759.88      759.88      0.00        0.00        0.00    141362.40
9938.74     54923.20    14531.72
 SQUAW CREEK    SC            1534.*        PF 1        759.88      759.88      0.00        0.00        0.00    141354.30
9941.14     54928.81    14533.23
 SQUAW CREEK    SC            1533.5*       PF 1        759.88      759.88      0.00        0.00        0.00    141344.40
9943.69     54936.25    14534.74
 SQUAW CREEK    SC            1533.*        PF 1        759.88      759.88      0.00        0.00        0.00    141335.10
9947.17     54942.06    14536.25
 SQUAW CREEK    SC            1532.5*       PF 1        759.88      759.88      0.00        0.00        0.00    141326.80
9949.81     54947.68    14537.76
 SQUAW CREEK    SC            1532.*        PF 1        759.88      759.88      0.00        0.00        0.00    141318.40
9952.19     54953.73    14539.28
 SQUAW CREEK    SC            1531.5*       PF 1        759.88      759.88      0.00        0.00        0.00    141308.10
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 9955.09     54961.14    14540.79
  SQUAW CREEK    SC            1531.*       PF 1        759.88      759.88       0.00        0.00        0.00    141299.80
 9957.75     54966.75    14542.30
  SQUAW CREEK    SC            1530.5*      PF 1        759.88      759.88       0.00        0.00        0.00    141291.10
 9960.37     54972.79    14543.81
  SQUAW CREEK    SC            1530.*       PF 1        759.88      759.88       0.00        0.00        0.00    141280.90
 9963.39     54980.00    14545.32
  SQUAW CREEK    SC            1529.5*      PF 1        759.88      759.88       0.00        0.00        0.00    141272.20
 9966.06     54986.05    14546.83
  SQUAW CREEK    SC            1529.*       PF 1        759.88      759.88       0.00        0.00        0.00    141262.90
 9968.62     54992.74    14548.34
  SQUAW CREEK    SC            1528.5*      PF 1        759.88      759.88       0.00        0.00        0.00    141255.60
 9971.65     54997.07    14549.85
  SQUAW CREEK    SC            1528.*       PF 1        759.88      759.88       0.00        0.00        0.00    141245.10
 9974.29     55004.88    14551.36
  SQUAW CREEK    SC            1527.5*      PF 1        759.88      759.88       0.00        0.00        0.00    141237.00
 9976.86     55010.39    14552.87
  SQUAW CREEK    SC            1527.*       PF 1        759.88      759.88       0.00        0.00        0.00    141227.40
 9979.15     55017.71    14554.38
  SQUAW CREEK    SC            1526.5*      PF 1        759.88      759.88       0.00        0.00        0.00    141219.90
 9982.67     55021.73    14555.89
  SQUAW CREEK    SC            1526.*       PF 1        759.88      759.88       0.00        0.00        0.00    141209.80
 9985.22     55029.26    14557.40
  SQUAW CREEK    SC            1525.5*      PF 1        759.88      759.88       0.00        0.00        0.00    141201.30
 9987.85     55035.16    14558.91
  SQUAW CREEK    SC            1525.*       PF 1        759.88      759.88       0.00        0.00        0.00    141191.50
 9990.75     55042.02    14560.42
  SQUAW CREEK    SC            1524.5*      PF 1        759.88      759.88       0.00        0.00        0.00    141184.50
 9993.22     55046.62    14561.93
  SQUAW CREEK    SC            1524.*       PF 1        759.88      759.88       0.00        0.00        0.00    141174.60
 9995.76     55053.91    14563.44
  SQUAW CREEK    SC            1523.5*      PF 1        759.88      759.88       0.00        0.00        0.00    141166.00
 9998.66     55059.66    14564.96
  SQUAW CREEK    SC            1523.*       PF 1        759.88      759.88       0.00        0.00        0.00    141156.40
10001.68     55066.24    14566.46
  SQUAW CREEK    SC            1522.5*      PF 1        759.88      759.88       0.00        0.00        0.00    141149.30
10004.41     55070.59    14567.98
  SQUAW CREEK    SC            1522.*       PF 1        759.88      759.88       0.00        0.00        0.00    141139.20
10006.99     55078.09    14569.49
  SQUAW CREEK    SC            1521.5*      PF 1        759.88      759.88       0.00        0.00        0.00    141129.40
10009.56     55085.31    14571.00
  SQUAW CREEK    SC            1521.*       PF 1        759.88      759.88       0.00        0.00        0.00    141121.00
10012.23     55091.02    14572.51
  SQUAW CREEK    SC            1520.5*      PF 1        759.88      759.88       0.00        0.00        0.00    141112.70
10015.11     55096.50    14574.02
  SQUAW CREEK    SC            1520.*       PF 1        759.88      759.88       0.00        0.00        0.00    141103.80
10018.07     55102.40    14575.53
  SQUAW CREEK    SC            1519.5*      PF 1        759.88      759.88       0.00        0.00        0.00    141094.50
10020.58     55109.23    14577.04
  SQUAW CREEK    SC            1519.*       PF 1        759.88      759.88       0.00        0.00        0.00    141085.50
10023.49     55115.29    14578.55
  SQUAW CREEK    SC            1518.5*      PF 1        759.88      759.88       0.00        0.00        0.00    141076.70
10026.13     55121.48    14580.06
  SQUAW CREEK    SC            1518.*       PF 1        759.88      759.88       0.00        0.00        0.00    141069.00
10028.69     55126.56    14581.57
  SQUAW CREEK    SC            1517.5*      PF 1        759.88      759.88       0.00        0.00        0.00    141059.60
10031.05     55133.61    14583.08
  SQUAW CREEK    SC            1517.*       PF 1        759.88      759.88       0.00        0.00        0.00    141050.50
10034.02     55139.82    14584.59
  SQUAW CREEK    SC            1516.5*      PF 1        759.88      759.88       0.00        0.00        0.00    141041.20
10037.16     55145.98    14586.10
  SQUAW CREEK    SC            1516.*       PF 1        759.88      759.88       0.00        0.00        0.00    141033.10
10039.74     55151.49    14587.61
  SQUAW CREEK    SC            1515.5*      PF 1        759.88      759.88       0.00        0.00        0.00    141023.40
10042.32     55158.62    14589.12
  SQUAW CREEK    SC            1515.*       PF 1        759.88      759.88       0.00        0.00        0.00    141015.10
10044.96     55164.22    14590.63
  SQUAW CREEK    SC            1514.5*      PF 1        759.88      759.88       0.00        0.00        0.00    141006.90
10047.52     55169.89    14592.14
  SQUAW CREEK    SC            1514.*       PF 1        759.88      759.88       0.00        0.00        0.00    140997.30
10050.38     55176.66    14593.66
  SQUAW CREEK    SC            1513.5*      PF 1        759.88      759.88       0.00        0.00        0.00    140988.00
10053.53     55182.77    14595.17
  SQUAW CREEK    SC            1513.*       PF 1        759.88      759.88       0.00        0.00        0.00    140978.30
10056.07     55189.94    14596.68
  SQUAW CREEK    SC            1512.5*      PF 1        759.88      759.88       0.00        0.00        0.00    140971.40
10058.85     55194.04    14598.19
  SQUAW CREEK    SC            1512.*       PF 1        759.88      759.88       0.00        0.00        0.00    140961.70
10061.34     55201.27    14599.70
  SQUAW CREEK    SC            1511.5*      PF 1        759.88      759.88       0.00        0.00        0.00    140953.80
10063.96     55206.55    14601.21
  SQUAW CREEK    SC            1511.*       PF 1        759.88      759.88       0.00        0.00        0.00    140943.80
10066.72     55213.77    14602.72
  SQUAW CREEK    SC            1510.5*      PF 1        759.88      759.88       0.00        0.00        0.00    140936.90
10069.27     55218.16    14604.23
  SQUAW CREEK    SC            1510.*       PF 1        759.88      759.88       0.00        0.00        0.00    140926.40
10072.32     55225.60    14605.74
  SQUAW CREEK    SC            1509.5*      PF 1        759.88      759.88       0.00        0.00        0.00    140918.30
10074.99     55231.04    14607.25
  SQUAW CREEK    SC            1509.*       PF 1        759.88      759.88       0.00        0.00        0.00    140908.30
10077.78     55238.20    14608.76
  SQUAW CREEK    SC            1508.5*      PF 1        759.88      759.88       0.00        0.00        0.00    140901.70
10080.45     55242.18    14610.27
  SQUAW CREEK    SC            1508.*       PF 1        759.88      759.88       0.00        0.00        0.00    140891.80
10083.00     55249.48    14611.78
  SQUAW CREEK    SC            1507.5*      PF 1        759.88      759.88       0.00        0.00        0.00    140883.50
10085.68     55255.07    14613.29
  SQUAW CREEK    SC            1507.*       PF 1        759.88      759.88       0.00        0.00        0.00    140873.60
10088.25     55262.47    14614.80
  SQUAW CREEK    SC            1506.5*      PF 1        759.88      759.88       0.00        0.00        0.00    140866.80
10091.38     55266.13    14616.31
  SQUAW CREEK    SC            1506.*       PF 1        759.88      759.88       0.00        0.00        0.00    140857.00
10093.93     55273.35    14617.83
  SQUAW CREEK    SC            1505.5*      PF 1        759.88      759.88       0.00        0.00        0.00    140847.60
10096.43     55280.30    14619.33
  SQUAW CREEK    SC            1505.*       PF 1        759.88      759.88       0.00        0.00        0.00    140839.10
10099.11     55286.07    14620.85
  SQUAW CREEK    SC            1504.5*      PF 1        759.88      759.88       0.00        0.00        0.00    140830.20
10102.03     55292.09    14622.36
  SQUAW CREEK    SC            1504.*       PF 1        759.88      759.88       0.00        0.00        0.00    140821.60
10104.64     55298.05    14623.87
  SQUAW CREEK    SC            1503.5*      PF 1        759.88      759.88       0.00        0.00        0.00    140812.40
10107.46     55304.41    14625.38
  SQUAW CREEK    SC            1503.*       PF 1        759.88      759.88       0.00        0.00        0.00    140803.90
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10110.38     55310.05    14626.89
  SQUAW CREEK    SC            1502.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140795.20
10112.97     55316.14    14628.40
  SQUAW CREEK    SC            1502.*        PF 1         759.88      759.88       0.00         0.00         0.00    140787.50
10115.50     55321.26    14629.91
  SQUAW CREEK    SC            1501.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140777.90
10118.29     55328.13    14631.42
  SQUAW CREEK    SC            1501.*        PF 1         759.88      759.88       0.00         0.00         0.00    140769.60
10120.71     55334.01    14632.93
  SQUAW CREEK    SC            1500.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140761.20
10123.37     55339.77    14634.44
  SQUAW CREEK    SC            1500.*        PF 1         759.88      759.88       0.00         0.00         0.00    140752.00
10126.72     55345.55    14635.95
  SQUAW CREEK    SC            1499.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140743.10
10129.22     55351.97    14637.46
  SQUAW CREEK    SC            1499.*        PF 1         759.88      759.88       0.00         0.00         0.00    140734.70
10131.88     55357.75    14638.97
  SQUAW CREEK    SC            1498.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140726.60
10134.28     55363.42    14640.48
  SQUAW CREEK    SC            1498.*        PF 1         759.88      759.88       0.00         0.00         0.00    140716.60
10137.04     55370.66    14641.99
  SQUAW CREEK    SC            1497.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140708.80
10139.63     55375.88    14643.50
  SQUAW CREEK    SC            1497.*        PF 1         759.88      759.88       0.00         0.00         0.00    140699.90
10142.78     55381.67    14645.01
  SQUAW CREEK    SC            1496.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140691.20
10145.68     55387.41    14646.53
  SQUAW CREEK    SC            1496.*        PF 1         759.88      759.88       0.00         0.00         0.00    140682.40
10147.95     55393.95    14648.04
  SQUAW CREEK    SC            1495.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140674.50
10150.55     55399.28    14649.55
  SQUAW CREEK    SC            1495.*        PF 1         759.88      759.88       0.00         0.00         0.00    140665.90
10153.41     55404.96    14651.06
  SQUAW CREEK    SC            1494.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140657.50
10155.99     55410.80    14652.57
  SQUAW CREEK    SC            1494.*        PF 1         759.88      759.88       0.00         0.00         0.00    140647.70
10158.28     55418.29    14654.08
  SQUAW CREEK    SC            1493.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140638.90
10161.73     55423.64    14655.59
  SQUAW CREEK    SC            1493.*        PF 1         759.88      759.88       0.00         0.00         0.00    140631.10
10164.28     55428.90    14657.10
  SQUAW CREEK    SC            1492.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140623.00
10166.94     55434.39    14658.61
  SQUAW CREEK    SC            1492.*        PF 1         759.88      759.88       0.00         0.00         0.00    140612.50
10169.71     55442.10    14660.12
  SQUAW CREEK    SC            1491.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140604.90
10172.12     55447.32    14661.63
  SQUAW CREEK    SC            1491.*        PF 1         759.88      759.88       0.00         0.00         0.00    140596.80
10174.70     55452.76    14663.14
  SQUAW CREEK    SC            1490.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140588.10
10177.59     55458.58    14664.65
  SQUAW CREEK    SC            1490.*        PF 1         759.88      759.88       0.00         0.00         0.00    140578.60
10180.55     55465.11    14666.16
  SQUAW CREEK    SC            1489.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140569.60
10182.84     55471.84    14667.67
  SQUAW CREEK    SC            1489.*        PF 1         759.88      759.88       0.00         0.00         0.00    140562.20
10185.55     55476.57    14669.18
  SQUAW CREEK    SC            1488.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140552.90
10188.34     55483.05    14670.70
  SQUAW CREEK    SC            1488.*        PF 1         759.88      759.88       0.00         0.00         0.00    140544.40
10190.96     55488.95    14672.21
  SQUAW CREEK    SC            1487.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140535.40
10193.68     55495.24    14673.72
  SQUAW CREEK    SC            1487.*        PF 1         759.88      759.88       0.00         0.00         0.00    140528.30
10196.93     55499.12    14675.23
  SQUAW CREEK    SC            1486.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140518.50
10199.16     55506.67    14676.74
  SQUAW CREEK    SC            1486.*        PF 1         759.88      759.88       0.00         0.00         0.00    140509.80
10201.79     55512.71    14678.25
  SQUAW CREEK    SC            1485.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140500.50
10204.58     55519.22    14679.76
  SQUAW CREEK    SC            1485.*        PF 1         759.88      759.88       0.00         0.00         0.00    140493.90
10207.28     55523.13    14681.27
  SQUAW CREEK    SC            1484.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140484.40
10209.62     55530.32    14682.78
  SQUAW CREEK    SC            1484.*        PF 1         759.88      759.88       0.00         0.00         0.00    140476.30
10212.44     55535.59    14684.29
  SQUAW CREEK    SC            1483.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140466.90
10215.38     55542.01    14685.80
  SQUAW CREEK    SC            1483.*        PF 1         759.88      759.88       0.00         0.00         0.00    140459.80
10218.07     55546.44    14687.31
  SQUAW CREEK    SC            1482.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140449.80
10220.89     55553.61    14688.82
  SQUAW CREEK    SC            1482.*        PF 1         759.88      759.88       0.00         0.00         0.00    140441.80
10223.22     55559.25    14690.33
  SQUAW CREEK    SC            1481.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140432.60
10225.81     55565.88    14691.84
  SQUAW CREEK    SC            1481.*        PF 1         759.88      759.88       0.00         0.00         0.00    140424.00
10228.68     55571.58    14693.35
  SQUAW CREEK    SC            1480.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140416.30
10231.20     55576.81    14694.86
  SQUAW CREEK    SC            1480.*        PF 1         759.88      759.88       0.00         0.00         0.00    140406.40
10233.93     55583.96    14696.38
  SQUAW CREEK    SC            1479.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140398.60
10236.81     55588.84    14697.88
  SQUAW CREEK    SC            1479.*        PF 1         759.88      759.88       0.00         0.00         0.00    140390.00
10239.49     55594.78    14699.40
  SQUAW CREEK    SC            1478.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140381.80
10242.02     55600.48    14700.91
  SQUAW CREEK    SC            1478.*        PF 1         759.88      759.88       0.00         0.00         0.00    140372.20
10244.51     55607.64    14702.42
  SQUAW CREEK    SC            1477.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140364.90
10247.17     55612.27    14703.93
  SQUAW CREEK    SC            1477.*        PF 1         759.88      759.88       0.00         0.00         0.00    140356.20
10250.28     55617.84    14705.44
  SQUAW CREEK    SC            1476.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140347.60
10252.93     55623.77    14706.95
  SQUAW CREEK    SC            1476.*        PF 1         759.88      759.88       0.00         0.00         0.00    140338.50
10255.63     55630.22    14708.46
  SQUAW CREEK    SC            1475.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140330.30
10258.21     55635.82    14709.97
  SQUAW CREEK    SC            1475.*        PF 1         759.88      759.88       0.00         0.00         0.00    140322.20
10260.60     55641.48    14711.48
  SQUAW CREEK    SC            1474.5*       PF 1         759.88      759.88       0.00         0.00         0.00    140314.10
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10263.49      55646.71     14712.99
  SQUAW CREEK     SC              1474.*        PF 1          759.88       759.88       0.00          0.00          0.00     140304.70
10265.96      55653.67     14714.50
  SQUAW CREEK     SC              1473.5*       PF 1          759.88       759.88       0.00          0.00          0.00     140295.40
10268.94      55659.93     14716.01
  SQUAW CREEK     SC              1473.*        PF 1          759.88       759.88       0.00          0.00          0.00     140288.00
10271.91      55664.32     14717.52
  SQUAW CREEK     SC              1472.5*       PF 1          759.88       759.88       0.00          0.00          0.00     140279.30
10274.17      55670.84     14719.03
  SQUAW CREEK     SC              1472.*        PF 1          759.88       759.88       0.00          0.00          0.00     140271.20
10276.70      55676.44     14720.54
  SQUAW CREEK     SC              1471.5*       PF 1          759.88       759.88       0.00          0.00          0.00     140262.00
10279.47      55682.86     14722.05
  SQUAW CREEK     SC              1471.*        PF 1          759.88       759.88       0.00          0.00          0.00     140255.00
10282.15      55687.10     14723.57
  SQUAW CREEK     SC              1470.5*       PF 1          759.88       759.88       0.00          0.00          0.00     140245.80
10285.18      55693.37     14725.08
  SQUAW CREEK     SC              1470.*        PF 1          759.88       759.88       0.00          0.00          0.00     140237.10
10287.75      55699.45     14726.59
  SQUAW CREEK     SC              1469.5*       PF 1          759.88       759.88       0.00          0.00          0.00     140227.70
10290.28      55706.35     14728.10
  SQUAW CREEK     SC              1469.*        PF 1          759.88       759.88       0.00          0.00          0.00     140220.90
10292.96      55710.45     14729.61
  SQUAW CREEK     SC              1468.5*       PF 1          759.88       759.88       0.00          0.00          0.00     140211.80
10295.51      55717.01     14731.12
  SQUAW CREEK     SC              1468.*        PF 1          759.88       759.88       0.00          0.00          0.00     140203.80
10298.01      55722.45     14732.63
  SQUAW CREEK     SC              1467.5*       PF 1          759.88       759.88       0.00          0.00          0.00     140193.90
10300.56      55729.85     14734.14
  SQUAW CREEK     SC              1467.*        PF 1          759.88       759.88       0.00          0.00          0.00     140187.20
10304.02      55733.05     14735.65
  SQUAW CREEK     SC              1466.5*       PF 1          759.88       759.88       0.00          0.00          0.00     140178.10
10306.51      55739.72     14737.16
  SQUAW CREEK     SC              1466.*        PF 1          759.88       759.88       0.00          0.00          0.00     140169.70
10309.06      55745.55     14738.67
  SQUAW CREEK     SC              1465.5*       PF 1          759.88       759.88       0.00          0.00          0.00     140161.00
10311.38      55751.91     14740.18
  SQUAW CREEK     SC              1465.*        PF 1          759.88       759.88       0.00          0.00          0.00     140152.50
10314.20      55757.58     14741.69
  SQUAW CREEK     SC              1464.5*       PF 1          759.88       759.88       0.00          0.00          0.00     140144.40
10316.81      55763.11     14743.20
  SQUAW CREEK     SC              1464.*        PF 1          759.88       759.88       0.00          0.00          0.00     140135.10
10319.22      55770.02     14744.71
  SQUAW CREEK     SC              1463.5*       PF 1          759.88       759.88       0.00          0.00          0.00     140126.70
10322.42      55775.19     14746.22
  SQUAW CREEK     SC              1463.*        PF 1          759.88       759.88       0.00          0.00          0.00     140119.20
10324.98      55780.11     14747.73
  SQUAW CREEK     SC              1462.5*       PF 1          759.88       759.88       0.00          0.00          0.00     140111.20
10327.61      55785.47     14749.25
  SQUAW CREEK     SC              1462.*        PF 1          759.88       759.88       0.00          0.00          0.00     140101.40
10330.25      55792.63     14750.75
  SQUAW CREEK     SC              1461.5*       PF 1          759.88       759.88       0.00          0.00          0.00     140093.60
10332.81      55797.91     14752.27
  SQUAW CREEK     SC              1461.*        PF 1          759.88       759.88       0.00          0.00          0.00     140085.70
10335.42      55803.16     14753.78
  SQUAW CREEK     SC              1460.5*       PF 1          759.88       759.88       0.00          0.00          0.00     140077.60
10338.58      55808.12     14755.29
  SQUAW CREEK     SC              1460.*        PF 1          759.88       759.88       0.00          0.00          0.00     140067.70
10341.05      55815.58     14756.80
  SQUAW CREEK     SC              1459.5*       PF 1          759.88       759.88       0.00          0.00          0.00     140060.30
10343.63      55820.36     14758.31
  SQUAW CREEK     SC              1459.*        PF 1          759.88       759.88       0.00          0.00          0.00     140051.90
10346.45      55825.95     14759.82
  SQUAW CREEK     SC              1458.5*       PF 1          759.88       759.88       0.00          0.00          0.00     140044.40
10348.82      55831.06     14761.33
  SQUAW CREEK     SC              1458.*        PF 1          759.88       759.88       0.00          0.00          0.00     140034.70
10351.30      55838.33     14762.84
  SQUAW CREEK     SC              1457.5*       PF 1          759.88       759.88       0.00          0.00          0.00     140026.80
10353.88      55843.63     14764.35
  SQUAW CREEK     SC              1457.*        PF 1          759.88       759.88       0.00          0.00          0.00     140018.60
10357.20      55848.51     14765.86
  SQUAW CREEK     SC              1456.5*       PF 1          759.88       759.88       0.00          0.00          0.00     140008.90
10359.76      55855.67     14767.37
  SQUAW CREEK     SC              1456.*        PF 1          759.88       759.88       0.00          0.00          0.00     140001.10
10362.29      55860.93     14768.88
  SQUAW CREEK     SC              1455.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139992.50
10364.73      55867.11     14770.39
  SQUAW CREEK     SC              1455.*        PF 1          759.88       759.88       0.00          0.00          0.00     139985.90
10367.41      55870.95     14771.90
  SQUAW CREEK     SC              1454.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139976.80
10369.90      55877.58     14773.41
  SQUAW CREEK     SC              1454.*        PF 1          759.88       759.88       0.00          0.00          0.00     139968.10
10372.49      55883.73     14774.92
  SQUAW CREEK     SC              1453.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139958.80
10375.51      55890.00     14776.43
  SQUAW CREEK     SC              1453.*        PF 1          759.88       759.88       0.00          0.00          0.00     139951.70
10378.22      55894.35     14777.95
  SQUAW CREEK     SC              1452.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139943.20
10380.84      55900.25     14779.46
  SQUAW CREEK     SC              1452.*        PF 1          759.88       759.88       0.00          0.00          0.00     139935.40
10383.42      55905.50     14780.97
  SQUAW CREEK     SC              1451.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139926.40
10385.73      55912.21     14782.48
  SQUAW CREEK     SC              1451.*        PF 1          759.88       759.88       0.00          0.00          0.00     139919.10
10388.65      55916.57     14783.99
  SQUAW CREEK     SC              1450.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139909.60
10391.72      55923.01     14785.50
  SQUAW CREEK     SC              1450.*        PF 1          759.88       759.88       0.00          0.00          0.00     139901.70
10394.19      55928.43     14787.01
  SQUAW CREEK     SC              1449.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139892.00
10397.00      55935.34     14788.52
  SQUAW CREEK     SC              1449.*        PF 1          759.88       759.88       0.00          0.00          0.00     139884.90
10399.29      55940.09     14790.03
  SQUAW CREEK     SC              1448.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139877.20
10401.86      55945.25     14791.54
  SQUAW CREEK     SC              1448.*        PF 1          759.88       759.88       0.00          0.00          0.00     139868.00
10404.53      55951.79     14793.05
  SQUAW CREEK     SC              1447.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139860.00
10407.15      55957.20     14794.56
  SQUAW CREEK     SC              1447.*        PF 1          759.88       759.88       0.00          0.00          0.00     139851.10
10410.29      55962.89     14796.07
  SQUAW CREEK     SC              1446.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139843.50
10412.91      55967.84     14797.58
  SQUAW CREEK     SC              1446.*        PF 1          759.88       759.88       0.00          0.00          0.00     139834.60
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10415.29      55974.39     14799.09
  SQUAW CREEK     SC              1445.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139826.30
10417.84      55980.16     14800.60
  SQUAW CREEK     SC              1445.*        PF 1          759.88       759.88       0.00          0.00          0.00     139818.40
10420.42      55985.43     14802.12
  SQUAW CREEK     SC              1444.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139811.20
10423.28      55989.80     14803.62
  SQUAW CREEK     SC              1444.*        PF 1          759.88       759.88       0.00          0.00          0.00     139801.60
10425.98      55996.73     14805.14
  SQUAW CREEK     SC              1443.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139793.20
10428.61      56002.51     14806.65
  SQUAW CREEK     SC              1443.*        PF 1          759.88       759.88       0.00          0.00          0.00     139785.50
10431.30      56007.47     14808.16
  SQUAW CREEK     SC              1442.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139777.90
10433.92      56012.49     14809.67
  SQUAW CREEK     SC              1442.*        PF 1          759.88       759.88       0.00          0.00          0.00     139768.80
10436.19      56019.31     14811.18
  SQUAW CREEK     SC              1441.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139760.80
10439.01      56024.49     14812.69
  SQUAW CREEK     SC              1441.*        PF 1          759.88       759.88       0.00          0.00          0.00     139753.00
10441.58      56029.76     14814.20
  SQUAW CREEK     SC              1440.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139743.50
10444.55      56036.22     14815.71
  SQUAW CREEK     SC              1440.*        PF 1          759.88       759.88       0.00          0.00          0.00     139735.40
10447.34      56041.52     14817.22
  SQUAW CREEK     SC              1439.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139726.80
10449.58      56047.88     14818.73
  SQUAW CREEK     SC              1439.*        PF 1          759.88       759.88       0.00          0.00          0.00     139720.00
10452.28      56052.02     14820.24
  SQUAW CREEK     SC              1438.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139711.00
10454.98      56058.31     14821.75
  SQUAW CREEK     SC              1438.*        PF 1          759.88       759.88       0.00          0.00          0.00     139703.30
10457.52      56063.48     14823.26
  SQUAW CREEK     SC              1437.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139694.10
10459.72      56070.44     14824.77
  SQUAW CREEK     SC              1437.*        PF 1          759.88       759.88       0.00          0.00          0.00     139687.10
10462.94      56074.25     14826.28
  SQUAW CREEK     SC              1436.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139678.40
10465.65      56080.21     14827.79
  SQUAW CREEK     SC              1436.*        PF 1          759.88       759.88       0.00          0.00          0.00     139670.80
10468.14      56085.34     14829.30
  SQUAW CREEK     SC              1435.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139661.20
10470.89      56092.18     14830.82
  SQUAW CREEK     SC              1435.*        PF 1          759.88       759.88       0.00          0.00          0.00     139654.50
10473.54      56096.26     14832.33
  SQUAW CREEK     SC              1434.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139645.90
10475.79      56102.61     14833.84
  SQUAW CREEK     SC              1434.*        PF 1          759.88       759.88       0.00          0.00          0.00     139637.30
10478.88      56108.09     14835.35
  SQUAW CREEK     SC              1433.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139628.70
10481.52      56114.04     14836.86
  SQUAW CREEK     SC              1433.*        PF 1          759.88       759.88       0.00          0.00          0.00     139620.50
10484.15      56119.64     14838.37
  SQUAW CREEK     SC              1432.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139613.50
10486.44      56124.36     14839.88
  SQUAW CREEK     SC              1432.*        PF 1          759.88       759.88       0.00          0.00          0.00     139603.90
10489.12      56131.28     14841.39
  SQUAW CREEK     SC              1431.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139595.90
10491.72      56136.68     14842.90
  SQUAW CREEK     SC              1431.*        PF 1          759.88       759.88       0.00          0.00          0.00     139588.00
10494.25      56142.01     14844.41
  SQUAW CREEK     SC              1430.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139580.70
10497.60      56145.99     14845.92
  SQUAW CREEK     SC              1430.*        PF 1          759.88       759.88       0.00          0.00          0.00     139571.50
10499.86      56152.99     14847.43
  SQUAW CREEK     SC              1429.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139563.10
10502.39      56158.79     14848.94
  SQUAW CREEK     SC              1429.*        PF 1          759.88       759.88       0.00          0.00          0.00     139555.50
10505.15      56163.60     14850.45
  SQUAW CREEK     SC              1428.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139547.90
10507.73      56168.65     14851.96
  SQUAW CREEK     SC              1428.*        PF 1          759.88       759.88       0.00          0.00          0.00     139538.90
10509.95      56175.45     14853.47
  SQUAW CREEK     SC              1427.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139531.30
10512.75      56180.26     14854.99
  SQUAW CREEK     SC              1427.*        PF 1          759.88       759.88       0.00          0.00          0.00     139523.00
10515.83      56185.50     14856.50
  SQUAW CREEK     SC              1426.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139515.60
10518.39      56190.30     14858.01
  SQUAW CREEK     SC              1426.*        PF 1          759.88       759.88       0.00          0.00          0.00     139506.50
10521.06      56196.75     14859.52
  SQUAW CREEK     SC              1425.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139500.10
10523.51      56200.74     14861.03
  SQUAW CREEK     SC              1425.*        PF 1          759.88       759.88       0.00          0.00          0.00     139490.60
10526.02      56207.70     14862.54
  SQUAW CREEK     SC              1424.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139481.80
10528.49      56213.96     14864.05
  SQUAW CREEK     SC              1424.*        PF 1          759.88       759.88       0.00          0.00          0.00     139474.10
10531.66      56218.52     14865.56
  SQUAW CREEK     SC              1423.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139465.80
10534.27      56224.21     14867.07
  SQUAW CREEK     SC              1423.*        PF 1          759.88       759.88       0.00          0.00          0.00     139458.60
10536.65      56229.07     14868.58
  SQUAW CREEK     SC              1422.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139449.30
10539.35      56235.68     14870.09
  SQUAW CREEK     SC              1422.*        PF 1          759.88       759.88       0.00          0.00          0.00     139441.30
10541.91      56241.11     14871.60
  SQUAW CREEK     SC              1421.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139433.80
10544.38      56246.15     14873.11
  SQUAW CREEK     SC              1421.*        PF 1          759.88       759.88       0.00          0.00          0.00     139426.20
10547.11      56250.98     14874.62
  SQUAW CREEK     SC              1420.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139417.20
10549.89      56257.18     14876.13
  SQUAW CREEK     SC              1420.*        PF 1          759.88       759.88       0.00          0.00          0.00     139409.30
10552.46      56262.52     14877.64
  SQUAW CREEK     SC              1419.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139402.20
10555.17      56266.96     14879.15
  SQUAW CREEK     SC              1419.*        PF 1          759.88       759.88       0.00          0.00          0.00     139393.90
10557.80      56272.56     14880.67
  SQUAW CREEK     SC              1418.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139385.00
10560.32      56279.02     14882.17
  SQUAW CREEK     SC              1418.*        PF 1          759.88       759.88       0.00          0.00          0.00     139377.60
10562.79      56283.88     14883.69
  SQUAW CREEK     SC              1417.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139369.10
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10565.91      56289.25     14885.20
  SQUAW CREEK     SC              1417.*        PF 1          759.88       759.88       0.00          0.00          0.00     139361.70
10568.37      56294.21     14886.71
  SQUAW CREEK     SC              1416.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139352.90
10570.87      56300.50     14888.22
  SQUAW CREEK     SC              1416.*        PF 1          759.88       759.88       0.00          0.00          0.00     139343.80
10573.33      56307.14     14889.73
  SQUAW CREEK     SC              1415.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139337.70
10575.99      56310.60     14891.24
  SQUAW CREEK     SC              1415.*        PF 1          759.88       759.88       0.00          0.00          0.00     139328.70
10578.64      56317.00     14892.75
  SQUAW CREEK     SC              1414.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139321.20
10581.18      56321.88     14894.26
  SQUAW CREEK     SC              1414.*        PF 1          759.88       759.88       0.00          0.00          0.00     139311.40
10584.20      56328.66     14895.77
  SQUAW CREEK     SC              1413.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139305.40
10586.60      56332.31     14897.28
  SQUAW CREEK     SC              1413.*        PF 1          759.88       759.88       0.00          0.00          0.00     139296.20
10589.20      56338.88     14898.79
  SQUAW CREEK     SC              1412.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139289.00
10591.79      56343.56     14900.30
  SQUAW CREEK     SC              1412.*        PF 1          759.88       759.88       0.00          0.00          0.00     139279.80
10594.26      56350.18     14901.81
  SQUAW CREEK     SC              1411.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139274.30
10596.82      56353.15     14903.32
  SQUAW CREEK     SC              1411.*        PF 1          759.88       759.88       0.00          0.00          0.00     139265.00
10599.36      56359.96     14904.83
  SQUAW CREEK     SC              1410.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139256.20
10602.45      56365.67     14906.34
  SQUAW CREEK     SC              1410.*        PF 1          759.88       759.88       0.00          0.00          0.00     139248.10
10604.97      56371.23     14907.86
  SQUAW CREEK     SC              1409.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139241.40
10607.66      56375.28     14909.37
  SQUAW CREEK     SC              1409.*        PF 1          759.88       759.88       0.00          0.00          0.00     139232.30
10610.16      56381.80     14910.88
  SQUAW CREEK     SC              1408.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139224.30
10612.55      56387.42     14912.39
  SQUAW CREEK     SC              1408.*        PF 1          759.88       759.88       0.00          0.00          0.00     139216.60
10615.05      56392.65     14913.90
  SQUAW CREEK     SC              1407.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139208.10
10618.17      56398.03     14915.41
  SQUAW CREEK     SC              1407.*        PF 1          759.88       759.88       0.00          0.00          0.00     139200.10
10620.98      56403.26     14916.92
  SQUAW CREEK     SC              1406.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139191.70
10623.19      56409.38     14918.43
  SQUAW CREEK     SC              1406.*        PF 1          759.88       759.88       0.00          0.00          0.00     139184.00
10625.79      56414.55     14919.94
  SQUAW CREEK     SC              1405.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139176.60
10628.23      56419.47     14921.45
  SQUAW CREEK     SC              1405.*        PF 1          759.88       759.88       0.00          0.00          0.00     139168.80
10630.98      56424.49     14922.96
  SQUAW CREEK     SC              1404.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139160.10
10633.46      56430.75     14924.47
  SQUAW CREEK     SC              1404.*        PF 1          759.88       759.88       0.00          0.00          0.00     139152.20
10636.33      56435.80     14925.98
  SQUAW CREEK     SC              1403.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139144.60
10639.07      56440.63     14927.49
  SQUAW CREEK     SC              1403.*        PF 1          759.88       759.88       0.00          0.00          0.00     139137.70
10641.59      56445.02     14929.00
  SQUAW CREEK     SC              1402.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139128.30
10644.05      56451.96     14930.51
  SQUAW CREEK     SC              1402.*        PF 1          759.88       759.88       0.00          0.00          0.00     139120.70
10646.50      56457.09     14932.02
  SQUAW CREEK     SC              1401.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139113.30
10649.09      56461.91     14933.54
  SQUAW CREEK     SC              1401.*        PF 1          759.88       759.88       0.00          0.00          0.00     139105.60
10652.20      56466.49     14935.04
  SQUAW CREEK     SC              1400.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139096.70
10654.85      56472.79     14936.56
  SQUAW CREEK     SC              1400.*        PF 1          759.88       759.88       0.00          0.00          0.00     139087.60
10657.32      56479.38     14938.07
  SQUAW CREEK     SC              1399.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139081.30
10659.72      56483.27     14939.58
  SQUAW CREEK     SC              1399.*        PF 1          759.88       759.88       0.00          0.00          0.00     139072.80
10662.33      56489.14     14941.09
  SQUAW CREEK     SC              1398.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139065.40
10664.82      56494.07     14942.60
  SQUAW CREEK     SC              1398.*        PF 1          759.88       759.88       0.00          0.00          0.00     139056.00
10667.27      56500.98     14944.11
  SQUAW CREEK     SC              1397.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139049.60
10670.71      56504.00     14945.62
  SQUAW CREEK     SC              1397.*        PF 1          759.88       759.88       0.00          0.00          0.00     139041.00
10672.90      56510.35     14947.13
  SQUAW CREEK     SC              1396.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139033.20
10675.46      56515.61     14948.64
  SQUAW CREEK     SC              1396.*        PF 1          759.88       759.88       0.00          0.00          0.00     139024.70
10677.78      56521.86     14950.15
  SQUAW CREEK     SC              1395.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139018.30
10680.69      56525.36     14951.66
  SQUAW CREEK     SC              1395.*        PF 1          759.88       759.88       0.00          0.00          0.00     139009.60
10683.18      56531.55     14953.17
  SQUAW CREEK     SC              1394.5*       PF 1          759.88       759.88       0.00          0.00          0.00     139002.20
10685.67      56536.39     14954.68
  SQUAW CREEK     SC              1394.*        PF 1          759.88       759.88       0.00          0.00          0.00     138992.90
10688.70      56542.66     14956.19
  SQUAW CREEK     SC              1393.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138986.60
10691.27      56546.42     14957.70
  SQUAW CREEK     SC              1393.*        PF 1          759.88       759.88       0.00          0.00          0.00     138978.30
10693.64      56552.39     14959.21
  SQUAW CREEK     SC              1392.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138969.40
10696.36      56558.50     14960.72
  SQUAW CREEK     SC              1392.*        PF 1          759.88       759.88       0.00          0.00          0.00     138962.10
10698.62      56563.60     14962.24
  SQUAW CREEK     SC              1391.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138954.30
10701.12      56568.85     14963.75
  SQUAW CREEK     SC              1391.*        PF 1          759.88       759.88       0.00          0.00          0.00     138946.60
10704.47      56573.26     14965.26
  SQUAW CREEK     SC              1390.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138937.60
10706.93      56579.74     14966.77
  SQUAW CREEK     SC              1390.*        PF 1          759.88       759.88       0.00          0.00          0.00     138930.00
10709.25      56584.99     14968.28
  SQUAW CREEK     SC              1389.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138923.00
10711.95      56589.33     14969.79
  SQUAW CREEK     SC              1389.*        PF 1          759.88       759.88       0.00          0.00          0.00     138915.50
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10714.51      56594.34     14971.30
  SQUAW CREEK     SC              1388.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138906.30
10716.89      56601.06     14972.81
  SQUAW CREEK     SC              1388.*        PF 1          759.88       759.88       0.00          0.00          0.00     138898.90
10719.64      56605.76     14974.32
  SQUAW CREEK     SC              1387.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138890.90
10722.56      56610.84     14975.83
  SQUAW CREEK     SC              1387.*        PF 1          759.88       759.88       0.00          0.00          0.00     138883.50
10725.08      56615.75     14977.34
  SQUAW CREEK     SC              1386.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138875.30
10727.68      56621.27     14978.85
  SQUAW CREEK     SC              1386.*        PF 1          759.88       759.88       0.00          0.00          0.00     138867.60
10730.13      56626.54     14980.36
  SQUAW CREEK     SC              1385.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138860.40
10732.39      56631.49     14981.87
  SQUAW CREEK     SC              1385.*        PF 1          759.88       759.88       0.00          0.00          0.00     138853.40
10734.96      56635.94     14983.38
  SQUAW CREEK     SC              1384.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138844.50
10737.59      56642.19     14984.89
  SQUAW CREEK     SC              1384.*        PF 1          759.88       759.88       0.00          0.00          0.00     138834.80
10740.56      56648.95     14986.41
  SQUAW CREEK     SC              1383.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138828.80
10743.37      56652.13     14987.92
  SQUAW CREEK     SC              1383.*        PF 1          759.88       759.88       0.00          0.00          0.00     138820.30
10745.86      56658.10     14989.43
  SQUAW CREEK     SC              1382.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138812.70
10748.20      56663.39     14990.94
  SQUAW CREEK     SC              1382.*        PF 1          759.88       759.88       0.00          0.00          0.00     138804.40
10750.55      56669.36     14992.45
  SQUAW CREEK     SC              1381.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138798.50
10753.34      56672.43     14993.96
  SQUAW CREEK     SC              1381.*        PF 1          759.88       759.88       0.00          0.00          0.00     138789.00
10756.35      56678.91     14995.47
  SQUAW CREEK     SC              1380.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138782.00
10758.58      56683.73     14996.98
  SQUAW CREEK     SC              1380.*        PF 1          759.88       759.88       0.00          0.00          0.00     138773.10
10761.24      56690.00     14998.49
  SQUAW CREEK     SC              1379.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138767.00
10763.90      56693.40     15000.00
  SQUAW CREEK     SC              1379.*        PF 1          759.88       759.88       0.00          0.00          0.00     138758.60
10766.37      56699.36     15001.51
  SQUAW CREEK     SC              1378.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138750.90
10769.11      56704.24     15003.02
  SQUAW CREEK     SC              1378.*        PF 1          759.88       759.88       0.00          0.00          0.00     138741.80
10771.33      56711.14     15004.53
  SQUAW CREEK     SC              1377.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138735.40
10774.45      56714.45     15006.04
  SQUAW CREEK     SC              1377.*        PF 1          759.88       759.88       0.00          0.00          0.00     138727.70
10776.97      56719.61     15007.55
  SQUAW CREEK     SC              1376.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138719.90
10779.51      56724.92     15009.06
  SQUAW CREEK     SC              1376.*        PF 1          759.88       759.88       0.00          0.00          0.00     138711.60
10781.76      56730.97     15010.57
  SQUAW CREEK     SC              1375.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138704.30
10784.27      56735.75     15012.08
  SQUAW CREEK     SC              1375.*        PF 1          759.88       759.88       0.00          0.00          0.00     138696.90
10787.00      56740.38     15013.59
  SQUAW CREEK     SC              1374.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138687.20
10789.96      56747.09     15015.11
  SQUAW CREEK     SC              1374.*        PF 1          759.88       759.88       0.00          0.00          0.00     138679.90
10792.66      56751.76     15016.62
  SQUAW CREEK     SC              1373.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138672.60
10795.19      56756.55     15018.13
  SQUAW CREEK     SC              1373.*        PF 1          759.88       759.88       0.00          0.00          0.00     138665.20
10797.52      56761.56     15019.64
  SQUAW CREEK     SC              1372.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138656.80
10799.83      56767.64     15021.15
  SQUAW CREEK     SC              1372.*        PF 1          759.88       759.88       0.00          0.00          0.00     138649.20
10802.65      56772.46     15022.66
  SQUAW CREEK     SC              1371.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138641.30
10805.20      56777.77     15024.17
  SQUAW CREEK     SC              1371.*        PF 1          759.88       759.88       0.00          0.00          0.00     138634.60
10808.01      56781.67     15025.68
  SQUAW CREEK     SC              1370.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138625.80
10810.65      56787.89     15027.19
  SQUAW CREEK     SC              1370.*        PF 1          759.88       759.88       0.00          0.00          0.00     138618.00
10813.11      56793.14     15028.70
  SQUAW CREEK     SC              1369.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138611.00
10815.59      56797.71     15030.21
  SQUAW CREEK     SC              1369.*        PF 1          759.88       759.88       0.00          0.00          0.00     138603.60
10818.36      56802.38     15031.72
  SQUAW CREEK     SC              1368.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138595.20
10820.59      56808.56     15033.23
  SQUAW CREEK     SC              1368.*        PF 1          759.88       759.88       0.00          0.00          0.00     138586.80
10822.94      56814.52     15034.74
  SQUAW CREEK     SC              1367.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138580.60
10826.28      56817.45     15036.25
  SQUAW CREEK     SC              1367.*        PF 1          759.88       759.88       0.00          0.00          0.00     138571.50
10828.72      56824.03     15037.76
  SQUAW CREEK     SC              1366.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138564.30
10831.06      56828.94     15039.28
  SQUAW CREEK     SC              1366.*        PF 1          759.88       759.88       0.00          0.00          0.00     138555.50
10833.70      56835.11     15040.79
  SQUAW CREEK     SC              1365.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138549.60
10836.23      56838.43     15042.30
  SQUAW CREEK     SC              1365.*        PF 1          759.88       759.88       0.00          0.00          0.00     138541.10
10838.73      56844.50     15043.81
  SQUAW CREEK     SC              1364.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138533.50
10841.70      56849.16     15045.32
  SQUAW CREEK     SC              1364.*        PF 1          759.88       759.88       0.00          0.00          0.00     138525.00
10844.07      56855.17     15046.83
  SQUAW CREEK     SC              1363.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138519.20
10846.72      56858.41     15048.34
  SQUAW CREEK     SC              1363.*        PF 1          759.88       759.88       0.00          0.00          0.00     138510.90
10849.35      56864.07     15049.85
  SQUAW CREEK     SC              1362.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138502.80
10851.84      56869.63     15051.36
  SQUAW CREEK     SC              1362.*        PF 1          759.88       759.88       0.00          0.00          0.00     138494.10
10854.31      56875.92     15052.87
  SQUAW CREEK     SC              1361.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138488.30
10856.59      56879.45     15054.38
  SQUAW CREEK     SC              1361.*        PF 1          759.88       759.88       0.00          0.00          0.00     138479.70
10859.83      56884.73     15055.89
  SQUAW CREEK     SC              1360.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138472.50
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10862.29      56889.50     15057.40
  SQUAW CREEK     SC              1360.*        PF 1          759.88       759.88       0.00          0.00          0.00     138463.80
10864.69      56895.75     15058.91
  SQUAW CREEK     SC              1359.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138456.00
10867.46      56900.83     15060.42
  SQUAW CREEK     SC              1359.*        PF 1          759.88       759.88       0.00          0.00          0.00     138449.40
10869.72      56905.18     15061.93
  SQUAW CREEK     SC              1358.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138441.30
10872.01      56911.02     15063.44
  SQUAW CREEK     SC              1358.*        PF 1          759.88       759.88       0.00          0.00          0.00     138433.70
10874.74      56915.86     15064.96
  SQUAW CREEK     SC              1357.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138426.10
10877.86      56920.30     15066.46
  SQUAW CREEK     SC              1357.*        PF 1          759.88       759.88       0.00          0.00          0.00     138419.30
10880.37      56924.64     15067.98
  SQUAW CREEK     SC              1356.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138410.30
10882.76      56931.24     15069.49
  SQUAW CREEK     SC              1356.*        PF 1          759.88       759.88       0.00          0.00          0.00     138403.00
10885.25      56936.07     15071.00
  SQUAW CREEK     SC              1355.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138395.40
10887.81      56941.10     15072.51
  SQUAW CREEK     SC              1355.*        PF 1          759.88       759.88       0.00          0.00          0.00     138388.50
10890.49      56945.32     15074.02
  SQUAW CREEK     SC              1354.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138380.20
10893.21      56950.91     15075.53
  SQUAW CREEK     SC              1354.*        PF 1          759.88       759.88       0.00          0.00          0.00     138374.00
10895.86      56954.39     15077.04
  SQUAW CREEK     SC              1353.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138365.40
10898.40      56960.52     15078.55
  SQUAW CREEK     SC              1353.*        PF 1          759.88       759.88       0.00          0.00          0.00     138358.40
10900.90      56965.04     15080.06
  SQUAW CREEK     SC              1352.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138349.60
10903.32      56971.35     15081.57
  SQUAW CREEK     SC              1352.*        PF 1          759.88       759.88       0.00          0.00          0.00     138344.10
10905.67      56974.57     15083.08
  SQUAW CREEK     SC              1351.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138335.80
10908.27      56980.21     15084.59
  SQUAW CREEK     SC              1351.*        PF 1          759.88       759.88       0.00          0.00          0.00     138326.40
10911.23      56986.70     15086.10
  SQUAW CREEK     SC              1350.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138318.90
10913.76      56991.63     15087.61
  SQUAW CREEK     SC              1350.*        PF 1          759.88       759.88       0.00          0.00          0.00     138312.30
10916.18      56995.80     15089.12
  SQUAW CREEK     SC              1349.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138305.00
10918.73      57000.59     15090.63
  SQUAW CREEK     SC              1349.*        PF 1          759.88       759.88       0.00          0.00          0.00     138297.10
10921.03      57006.20     15092.14
  SQUAW CREEK     SC              1348.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138289.70
10923.81      57010.81     15093.66
  SQUAW CREEK     SC              1348.*        PF 1          759.88       759.88       0.00          0.00          0.00     138281.60
10926.81      57015.87     15095.17
  SQUAW CREEK     SC              1347.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138274.00
10929.34      57020.91     15096.68
  SQUAW CREEK     SC              1347.*        PF 1          759.88       759.88       0.00          0.00          0.00     138266.00
10931.81      57026.48     15098.19
  SQUAW CREEK     SC              1346.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138259.00
10934.26      57031.06     15099.70
  SQUAW CREEK     SC              1346.*        PF 1          759.88       759.88       0.00          0.00          0.00     138252.40
10936.69      57035.24     15101.21
  SQUAW CREEK     SC              1345.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138244.70
10939.40      57040.17     15102.72
  SQUAW CREEK     SC              1345.*        PF 1          759.88       759.88       0.00          0.00          0.00     138236.50
10941.63      57046.18     15104.23
  SQUAW CREEK     SC              1344.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138228.80
10944.60      57050.93     15105.74
  SQUAW CREEK     SC              1344.*        PF 1          759.88       759.88       0.00          0.00          0.00     138221.60
10947.13      57055.59     15107.25
  SQUAW CREEK     SC              1343.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138212.60
10949.79      57061.93     15108.76
  SQUAW CREEK     SC              1343.*        PF 1          759.88       759.88       0.00          0.00          0.00     138206.00
10952.31      57065.98     15110.27
  SQUAW CREEK     SC              1342.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138197.80
10954.63      57071.88     15111.78
  SQUAW CREEK     SC              1342.*        PF 1          759.88       759.88       0.00          0.00          0.00     138192.30
10957.18      57074.78     15113.29
  SQUAW CREEK     SC              1341.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138183.40
10959.55      57081.31     15114.80
  SQUAW CREEK     SC              1341.*        PF 1          759.88       759.88       0.00          0.00          0.00     138176.10
10962.63      57085.61     15116.31
  SQUAW CREEK     SC              1340.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138167.50
10965.01      57091.79     15117.83
  SQUAW CREEK     SC              1340.*        PF 1          759.88       759.88       0.00          0.00          0.00     138161.20
10967.65      57095.48     15119.33
  SQUAW CREEK     SC              1339.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138153.70
10970.00      57100.64     15120.85
  SQUAW CREEK     SC              1339.*        PF 1          759.88       759.88       0.00          0.00          0.00     138146.30
10972.70      57105.29     15122.36
  SQUAW CREEK     SC              1338.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138137.50
10975.10      57111.74     15123.87
  SQUAW CREEK     SC              1338.*        PF 1          759.88       759.88       0.00          0.00          0.00     138131.60
10977.99      57114.68     15125.38
  SQUAW CREEK     SC              1337.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138122.80
10980.68      57120.77     15126.89
  SQUAW CREEK     SC              1337.*        PF 1          759.88       759.88       0.00          0.00          0.00     138115.60
10983.13      57125.55     15128.40
  SQUAW CREEK     SC              1336.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138107.60
10985.41      57131.25     15129.91
  SQUAW CREEK     SC              1336.*        PF 1          759.88       759.88       0.00          0.00          0.00     138101.80
10988.23      57134.31     15131.42
  SQUAW CREEK     SC              1335.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138093.50
10990.46      57140.33     15132.93
  SQUAW CREEK     SC              1335.*        PF 1          759.88       759.88       0.00          0.00          0.00     138085.30
10992.83      57146.17     15134.44
  SQUAW CREEK     SC              1334.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138077.80
10996.06      57150.47     15135.95
  SQUAW CREEK     SC              1334.*        PF 1          759.88       759.88       0.00          0.00          0.00     138070.40
10998.56      57155.38     15137.46
  SQUAW CREEK     SC              1333.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138063.20
11001.03      57160.07     15138.97
  SQUAW CREEK     SC              1333.*        PF 1          759.88       759.88       0.00          0.00          0.00     138055.50
11003.20      57165.60     15140.48
  SQUAW CREEK     SC              1332.5*       PF 1          759.88       759.88       0.00          0.00          0.00     138048.20
11005.86      57170.23     15141.99
  SQUAW CREEK     SC              1332.*        PF 1          759.88       759.88       0.00          0.00          0.00     138041.20
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11008.35     57174.73    15143.50
  SQUAW CREEK    SC            1331.5*       PF 1         759.88       759.88       0.00         0.00         0.00     138033.80
11011.43     57179.07    15145.01
  SQUAW CREEK    SC            1331.*        PF 1         759.88       759.88       0.00         0.00         0.00     138025.10
11014.09     57185.12    15146.53
  SQUAW CREEK    SC            1330.5*       PF 1         759.88       759.88       0.00         0.00         0.00     138017.90
11016.33     57190.02    15148.04
  SQUAW CREEK    SC            1330.*        PF 1         759.88       759.88       0.00         0.00         0.00     138011.90
11018.69     57193.69    15149.55
  SQUAW CREEK    SC            1329.5*       PF 1         759.88       759.88       0.00         0.00         0.00     138004.60
11021.43     57198.23    15151.06
  SQUAW CREEK    SC            1329.*        PF 1         759.88       759.88       0.00         0.00         0.00     137995.50
11023.82     57204.97    15152.57
  SQUAW CREEK    SC            1328.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137988.90
11026.10     57209.31    15154.08
  SQUAW CREEK    SC            1328.*        PF 1         759.88       759.88       0.00         0.00         0.00     137981.80
11029.32     57213.20    15155.59
  SQUAW CREEK    SC            1327.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137973.40
11031.72     57219.18    15157.10
  SQUAW CREEK    SC            1327.*        PF 1         759.88       759.88       0.00         0.00         0.00     137966.30
11034.21     57223.80    15158.61
  SQUAW CREEK    SC            1326.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137957.30
11036.76     57230.25    15160.12
  SQUAW CREEK    SC            1326.*        PF 1         759.88       759.88       0.00         0.00         0.00     137951.90
11039.10     57233.31    15161.63
  SQUAW CREEK    SC            1325.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137944.00
11041.49     57238.77    15163.14
  SQUAW CREEK    SC            1325.*        PF 1         759.88       759.88       0.00         0.00         0.00     137937.10
11044.20     57242.98    15164.65
  SQUAW CREEK    SC            1324.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137928.10
11047.11     57249.07    15166.16
  SQUAW CREEK    SC            1324.*        PF 1         759.88       759.88       0.00         0.00         0.00     137922.80
11049.46     57252.00    15167.67
  SQUAW CREEK    SC            1323.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137914.40
11051.83     57258.11    15169.18
  SQUAW CREEK    SC            1323.*        PF 1         759.88       759.88       0.00         0.00         0.00     137907.20
11054.53     57262.61    15170.70
  SQUAW CREEK    SC            1322.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137899.00
11056.88     57268.40    15172.21
  SQUAW CREEK    SC            1322.*        PF 1         759.88       759.88       0.00         0.00         0.00     137893.00
11059.72     57271.63    15173.72
  SQUAW CREEK    SC            1321.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137884.60
11062.67     57277.00    15175.23
  SQUAW CREEK    SC            1321.*        PF 1         759.88       759.88       0.00         0.00         0.00     137877.90
11064.86     57281.54    15176.74
  SQUAW CREEK    SC            1320.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137869.30
11067.24     57287.80    15178.25
  SQUAW CREEK    SC            1320.*        PF 1         759.88       759.88       0.00         0.00         0.00     137863.30
11070.04     57290.98    15179.76
  SQUAW CREEK    SC            1319.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137855.10
11072.49     57296.69    15181.27
  SQUAW CREEK    SC            1319.*        PF 1         759.88       759.88       0.00         0.00         0.00     137846.90
11074.65     57302.70    15182.78
  SQUAW CREEK    SC            1318.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137840.30
11077.25     57306.77    15184.29
  SQUAW CREEK    SC            1318.*        PF 1         759.88       759.88       0.00         0.00         0.00     137832.70
11080.29     57311.34    15185.80
  SQUAW CREEK    SC            1317.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137825.90
11082.78     57315.57    15187.31
  SQUAW CREEK    SC            1317.*        PF 1         759.88       759.88       0.00         0.00         0.00     137817.30
11085.37     57321.60    15188.82
  SQUAW CREEK    SC            1316.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137810.80
11087.62     57325.88    15190.33
  SQUAW CREEK    SC            1316.*        PF 1         759.88       759.88       0.00         0.00         0.00     137803.90
11090.08     57330.28    15191.84
  SQUAW CREEK    SC            1315.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137796.50
11092.81     57335.01    15193.35
  SQUAW CREEK    SC            1315.*        PF 1         759.88       759.88       0.00         0.00         0.00     137788.00
11095.20     57341.14    15194.86
  SQUAW CREEK    SC            1314.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137781.00
11097.84     57345.45    15196.38
  SQUAW CREEK    SC            1314.*        PF 1         759.88       759.88       0.00         0.00         0.00     137774.30
11100.63     57349.39    15197.88
  SQUAW CREEK    SC            1313.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137767.70
11103.08     57353.48    15199.40
  SQUAW CREEK    SC            1313.*        PF 1         759.88       759.88       0.00         0.00         0.00     137759.00
11105.44     57359.88    15200.91
  SQUAW CREEK    SC            1312.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137751.60
11107.91     57364.81    15202.42
  SQUAW CREEK    SC            1312.*        PF 1         759.88       759.88       0.00         0.00         0.00     137745.10
11110.41     57368.77    15203.93
  SQUAW CREEK    SC            1311.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137738.10
11113.38     57372.84    15205.44
  SQUAW CREEK    SC            1311.*        PF 1         759.88       759.88       0.00         0.00         0.00     137729.60
11115.76     57378.91    15206.95
  SQUAW CREEK    SC            1310.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137721.40
11118.34     57384.54    15208.46
  SQUAW CREEK    SC            1310.*        PF 1         759.88       759.88       0.00         0.00         0.00     137715.70
11120.90     57387.66    15209.97
  SQUAW CREEK    SC            1309.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137707.70
11123.09     57393.53    15211.48
  SQUAW CREEK    SC            1309.*        PF 1         759.88       759.88       0.00         0.00         0.00     137700.90
11125.81     57397.54    15212.99
  SQUAW CREEK    SC            1308.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137692.80
11128.06     57403.49    15214.50
  SQUAW CREEK    SC            1308.*        PF 1         759.88       759.88       0.00         0.00         0.00     137686.40
11131.23     57406.70    15216.01
  SQUAW CREEK    SC            1307.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137678.40
11133.79     57412.12    15217.52
  SQUAW CREEK    SC            1307.*        PF 1         759.88       759.88       0.00         0.00         0.00     137671.90
11136.04     57416.33    15219.03
  SQUAW CREEK    SC            1306.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137663.60
11138.40     57422.27    15220.54
  SQUAW CREEK    SC            1306.*        PF 1         759.88       759.88       0.00         0.00         0.00     137657.80
11141.24     57425.31    15222.05
  SQUAW CREEK    SC            1305.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137649.80
11143.58     57430.92    15223.57
  SQUAW CREEK    SC            1305.*        PF 1         759.88       759.88       0.00         0.00         0.00     137642.70
11146.59     57434.99    15225.08
  SQUAW CREEK    SC            1304.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137634.10
11148.94     57441.23    15226.59
  SQUAW CREEK    SC            1304.*        PF 1         759.88       759.88       0.00         0.00         0.00     137628.40
11151.50     57444.42    15228.10
  SQUAW CREEK    SC            1303.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137620.40
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11153.87     57450.01    15229.61
  SQUAW CREEK    SC            1303.*       PF 1        759.88      759.88      0.00        0.00        0.00    137612.40
11156.30     57455.61    15231.12
  SQUAW CREEK    SC            1302.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137605.00
11158.75     57460.49    15232.63
  SQUAW CREEK    SC            1302.*       PF 1        759.88      759.88      0.00        0.00        0.00    137598.50
11161.06     57464.75    15234.14
  SQUAW CREEK    SC            1301.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137591.20
11164.37     57468.76    15235.65
  SQUAW CREEK    SC            1301.*       PF 1        759.88      759.88      0.00        0.00        0.00    137583.00
11166.79     57474.50    15237.16
  SQUAW CREEK    SC            1300.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137576.00
11169.17     57479.14    15238.67
  SQUAW CREEK    SC            1300.*       PF 1        759.88      759.88      0.00        0.00        0.00    137569.50
11171.42     57483.40    15240.18
  SQUAW CREEK    SC            1299.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137563.00
11174.12     57487.22    15241.69
  SQUAW CREEK    SC            1299.*       PF 1        759.88      759.88      0.00        0.00        0.00    137555.10
11176.43     57492.79    15243.20
  SQUAW CREEK    SC            1298.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137547.50
11178.86     57497.95    15244.71
  SQUAW CREEK    SC            1298.*       PF 1        759.88      759.88      0.00        0.00        0.00    137540.40
11181.94     57501.91    15246.22
  SQUAW CREEK    SC            1297.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137533.50
11184.46     57506.29    15247.73
  SQUAW CREEK    SC            1297.*       PF 1        759.88      759.88      0.00        0.00        0.00    137525.80
11186.76     57511.74    15249.25
  SQUAW CREEK    SC            1296.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137518.30
11189.40     57516.63    15250.75
  SQUAW CREEK    SC            1296.*       PF 1        759.88      759.88      0.00        0.00        0.00    137511.50
11191.81     57520.96    15252.27
  SQUAW CREEK    SC            1295.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137505.10
11194.31     57524.86    15253.78
  SQUAW CREEK    SC            1295.*       PF 1        759.88      759.88      0.00        0.00        0.00    137497.30
11197.25     57529.74    15255.29
  SQUAW CREEK    SC            1294.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137488.50
11199.56     57536.18    15256.80
  SQUAW CREEK    SC            1294.*       PF 1        759.88      759.88      0.00        0.00        0.00    137482.80
11202.12     57539.43    15258.31
  SQUAW CREEK    SC            1293.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137474.50
11204.73     57545.06    15259.82
  SQUAW CREEK    SC            1293.*       PF 1        759.88      759.88      0.00        0.00        0.00    137468.00
11207.02     57549.28    15261.33
  SQUAW CREEK    SC            1292.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137460.00
11209.26     57555.07    15262.84
  SQUAW CREEK    SC            1292.*       PF 1        759.88      759.88      0.00        0.00        0.00    137454.80
11211.83     57557.64    15264.35
  SQUAW CREEK    SC            1291.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137446.30
11215.03     57562.96    15265.86
  SQUAW CREEK    SC            1291.*       PF 1        759.88      759.88      0.00        0.00        0.00    137439.10
11217.44     57567.77    15267.37
  SQUAW CREEK    SC            1290.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137431.00
11219.75     57573.52    15268.88
  SQUAW CREEK    SC            1290.*       PF 1        759.88      759.88      0.00        0.00        0.00    137425.40
11222.32     57576.60    15270.39
  SQUAW CREEK    SC            1289.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137417.90
11224.61     57581.76    15271.90
  SQUAW CREEK    SC            1289.*       PF 1        759.88      759.88      0.00        0.00        0.00    137411.30
11227.10     57585.89    15273.41
  SQUAW CREEK    SC            1288.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137402.60
11229.47     57592.18    15274.92
  SQUAW CREEK    SC            1288.*       PF 1        759.88      759.88      0.00        0.00        0.00    137396.80
11232.56     57594.96    15276.43
  SQUAW CREEK    SC            1287.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137389.00
11234.93     57600.35    15277.95
  SQUAW CREEK    SC            1287.*       PF 1        759.88      759.88      0.00        0.00        0.00    137382.10
11237.62     57604.54    15279.46
  SQUAW CREEK    SC            1286.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137373.90
11239.91     57610.45    15280.97
  SQUAW CREEK    SC            1286.*       PF 1        759.88      759.88      0.00        0.00        0.00    137367.30
11242.21     57614.81    15282.48
  SQUAW CREEK    SC            1285.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137360.50
11244.84     57618.92    15283.99
  SQUAW CREEK    SC            1285.*       PF 1        759.88      759.88      0.00        0.00        0.00    137352.30
11247.75     57624.23    15285.50
  SQUAW CREEK    SC            1284.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137346.30
11250.34     57627.67    15287.01
  SQUAW CREEK    SC            1284.*       PF 1        759.88      759.88      0.00        0.00        0.00    137338.10
11252.94     57633.22    15288.52
  SQUAW CREEK    SC            1283.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137331.70
11255.18     57637.42    15290.03
  SQUAW CREEK    SC            1283.*       PF 1        759.88      759.88      0.00        0.00        0.00    137324.50
11257.40     57642.37    15291.54
  SQUAW CREEK    SC            1282.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137318.80
11260.13     57645.42    15293.05
  SQUAW CREEK    SC            1282.*       PF 1        759.88      759.88      0.00        0.00        0.00    137310.50
11262.49     57651.36    15294.56
  SQUAW CREEK    SC            1281.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137303.00
11265.60     57655.73    15296.07
  SQUAW CREEK    SC            1281.*       PF 1        759.88      759.88      0.00        0.00        0.00    137296.00
11267.95     57660.40    15297.58
  SQUAW CREEK    SC            1280.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137289.70
11270.50     57664.08    15299.09
  SQUAW CREEK    SC            1280.*       PF 1        759.88      759.88      0.00        0.00        0.00    137281.80
11272.79     57669.73    15300.60
  SQUAW CREEK    SC            1279.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137274.40
11275.29     57674.58    15302.12
  SQUAW CREEK    SC            1279.*       PF 1        759.88      759.88      0.00        0.00        0.00    137267.40
11277.82     57679.11    15303.62
  SQUAW CREEK    SC            1278.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137260.30
11280.50     57683.45    15305.14
  SQUAW CREEK    SC            1278.*       PF 1        759.88      759.88      0.00        0.00        0.00    137253.00
11283.01     57688.24    15306.65
  SQUAW CREEK    SC            1277.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137245.10
11285.60     57693.64    15308.16
  SQUAW CREEK    SC            1277.*       PF 1        759.88      759.88      0.00        0.00        0.00    137238.80
11288.06     57697.43    15309.67
  SQUAW CREEK    SC            1276.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137232.10
11290.26     57701.93    15311.18
  SQUAW CREEK    SC            1276.*       PF 1        759.88      759.88      0.00        0.00        0.00    137225.10
11292.91     57706.25    15312.69
  SQUAW CREEK    SC            1275.5*      PF 1        759.88      759.88      0.00        0.00        0.00    137217.50
11295.24     57711.57    15314.20
  SQUAW CREEK    SC            1275.*       PF 1        759.88      759.88      0.00        0.00        0.00    137210.00
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11298.29     57716.06    15315.71
  SQUAW CREEK    SC            1274.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137202.90
11300.92     57720.47    15317.22
  SQUAW CREEK    SC            1274.*        PF 1         759.88       759.88       0.00         0.00         0.00     137197.40
11303.10     57723.81    15318.73
  SQUAW CREEK    SC            1273.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137189.50
11305.45     57729.31    15320.24
  SQUAW CREEK    SC            1273.*        PF 1         759.88       759.88       0.00         0.00         0.00     137182.60
11308.17     57733.56    15321.75
  SQUAW CREEK    SC            1272.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137175.90
11310.56     57737.83    15323.26
  SQUAW CREEK    SC            1272.*        PF 1         759.88       759.88       0.00         0.00         0.00     137168.70
11312.75     57742.89    15324.77
  SQUAW CREEK    SC            1271.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137160.50
11315.69     57748.12    15326.28
  SQUAW CREEK    SC            1271.*        PF 1         759.88       759.88       0.00         0.00         0.00     137154.40
11318.33     57751.57    15327.79
  SQUAW CREEK    SC            1270.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137147.50
11320.73     57756.08    15329.30
  SQUAW CREEK    SC            1270.*        PF 1         759.88       759.88       0.00         0.00         0.00     137139.10
11323.38     57761.84    15330.82
  SQUAW CREEK    SC            1269.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137132.50
11325.82     57766.00    15332.33
  SQUAW CREEK    SC            1269.*        PF 1         759.88       759.88       0.00         0.00         0.00     137125.10
11327.91     57771.26    15333.84
  SQUAW CREEK    SC            1268.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137118.80
11331.00     57774.51    15335.35
  SQUAW CREEK    SC            1268.*        PF 1         759.88       759.88       0.00         0.00         0.00     137110.70
11333.60     57780.02    15336.86
  SQUAW CREEK    SC            1267.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137104.60
11335.94     57783.77    15338.37
  SQUAW CREEK    SC            1267.*        PF 1         759.88       759.88       0.00         0.00         0.00     137096.90
11338.10     57789.27    15339.88
  SQUAW CREEK    SC            1266.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137090.90
11340.82     57792.59    15341.39
  SQUAW CREEK    SC            1266.*        PF 1         759.88       759.88       0.00         0.00         0.00     137083.10
11343.18     57798.03    15342.90
  SQUAW CREEK    SC            1265.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137076.20
11345.66     57802.42    15344.41
  SQUAW CREEK    SC            1265.*        PF 1         759.88       759.88       0.00         0.00         0.00     137068.20
11348.80     57807.31    15345.92
  SQUAW CREEK    SC            1264.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137063.70
11350.97     57809.64    15347.43
  SQUAW CREEK    SC            1264.*        PF 1         759.88       759.88       0.00         0.00         0.00     137054.80
11353.35     57816.20    15348.94
  SQUAW CREEK    SC            1263.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137048.10
11356.01     57820.21    15350.45
  SQUAW CREEK    SC            1263.*        PF 1         759.88       759.88       0.00         0.00         0.00     137040.90
11358.37     57825.04    15351.96
  SQUAW CREEK    SC            1262.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137033.70
11360.61     57829.95    15353.47
  SQUAW CREEK    SC            1262.*        PF 1         759.88       759.88       0.00         0.00         0.00     137027.30
11363.25     57833.80    15354.99
  SQUAW CREEK    SC            1261.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137019.20
11366.15     57838.92    15356.50
  SQUAW CREEK    SC            1261.*        PF 1         759.88       759.88       0.00         0.00         0.00     137012.80
11368.56     57842.94    15358.01
  SQUAW CREEK    SC            1260.5*       PF 1         759.88       759.88       0.00         0.00         0.00     137005.40
11371.21     57847.69    15359.52
  SQUAW CREEK    SC            1260.*        PF 1         759.88       759.88       0.00         0.00         0.00     136999.40
11373.46     57851.46    15361.03
  SQUAW CREEK    SC            1259.5*       PF 1         759.88       759.88       0.00         0.00         0.00     136992.00
11375.74     57856.61    15362.54
  SQUAW CREEK    SC            1259.*        PF 1         759.88       759.88       0.00         0.00         0.00     136985.10
11378.23     57860.99    15364.05
  SQUAW CREEK    SC            1258.5*       PF 1         759.88       759.88       0.00         0.00         0.00     136977.60
11381.44     57865.22    15365.56
  SQUAW CREEK    SC            1258.*        PF 1         759.88       759.88       0.00         0.00         0.00     136971.50
11383.81     57869.02    15367.07
  SQUAW CREEK    SC            1257.5*       PF 1         759.88       759.88       0.00         0.00         0.00     136963.60
11385.93     57874.72    15368.58
  SQUAW CREEK    SC            1257.*        PF 1         759.88       759.88       0.00         0.00         0.00     136957.10
11388.63     57878.55    15370.09
  SQUAW CREEK    SC            1256.5*       PF 1         759.88       759.88       0.00         0.00         0.00     136950.60
11390.96     57882.75    15371.60
  SQUAW CREEK    SC            1256.*        PF 1         759.88       759.88       0.00         0.00         0.00     136943.70
11393.39     57887.21    15373.11
  SQUAW CREEK    SC            1255.5*       PF 1         759.88       759.88       0.00         0.00         0.00     136935.80
11395.97     57892.55    15374.62
  SQUAW CREEK    SC            1255.*        PF 1         759.88       759.88       0.00         0.00         0.00     136929.70
11398.70     57895.94    15376.13
  SQUAW CREEK    SC            1254.5*       PF 1         759.88       759.88       0.00         0.00         0.00     136922.50
11401.11     57900.64    15377.64
  SQUAW CREEK    SC            1254.*        PF 1         759.88       759.88       0.00         0.00         0.00     136914.60
11403.72     57905.94    15379.15
  SQUAW CREEK    SC            1253.5*       PF 1         759.88       759.88       0.00         0.00         0.00     136908.00
11406.17     57910.16    15380.67
  SQUAW CREEK    SC            1253.*        PF 1         759.88       759.88       0.00         0.00         0.00     136899.90
11408.54     57915.88    15382.17
  SQUAW CREEK    SC            1252.5*       PF 1         759.88       759.88       0.00         0.00         0.00     136894.70
11411.03     57918.55    15383.69
  SQUAW CREEK    SC            1252.*        PF 1         759.88       759.88       0.00         0.00         0.00     136887.10
11413.91     57923.31    15385.20
  SQUAW CREEK    SC            1251.5*       PF 1         759.88       759.88       0.00         0.00         0.00     136880.20
11416.29     57927.83    15386.71
  SQUAW CREEK    SC            1251.*        PF 1         759.88       759.88       0.00         0.00         0.00     136872.70
11418.68     57932.95    15388.22
  SQUAW CREEK    SC            1250.5*       PF 1         759.88       759.88       0.00         0.00         0.00     136867.10
11421.12     57936.04    15389.73
  SQUAW CREEK    SC            1250.*        PF 1         759.88       759.88       0.00         0.00         0.00     136859.70
11423.46     57941.17    15391.24
  SQUAW CREEK    SC            1249.5*       PF 1         759.88       759.88       0.00         0.00         0.00     136852.70
11426.18     57945.47    15392.75
  SQUAW CREEK    SC            1249.*        PF 1         759.88       759.88       0.00         0.00         0.00     136844.80
11428.53     57950.92    15394.26
  SQUAW CREEK    SC            1248.5*       PF 1         759.88       759.88       0.00         0.00         0.00     136839.10
11431.57     57953.60    15395.77
  SQUAW CREEK    SC            1248.*        PF 1         759.88       759.88       0.00         0.00         0.00     136832.10
11433.67     57958.49    15397.28
  SQUAW CREEK    SC            1247.5*       PF 1         759.88       759.88       0.00         0.00         0.00     136825.40
11436.22     57962.70    15398.79
  SQUAW CREEK    SC            1247.*        PF 1         759.88       759.88       0.00         0.00         0.00     136817.60
11438.60     57968.08    15400.30
  SQUAW CREEK    SC            1246.5*       PF 1         759.88       759.88       0.00         0.00         0.00     136812.00
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11441.12      57971.16     15401.81
  SQUAW CREEK     SC              1246.*        PF 1          759.88       759.88       0.00          0.00          0.00     136804.50
11443.49      57976.28     15403.32
  SQUAW CREEK     SC              1245.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136796.80
11445.76      57981.71     15404.83
  SQUAW CREEK     SC              1245.*        PF 1          759.88       759.88       0.00          0.00          0.00     136789.80
11448.76      57985.79     15406.34
  SQUAW CREEK     SC              1244.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136783.00
11451.44      57989.89     15407.86
  SQUAW CREEK     SC              1244.*        PF 1          759.88       759.88       0.00          0.00          0.00     136776.50
11453.84      57993.93     15409.37
  SQUAW CREEK     SC              1243.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136768.50
11456.23      57999.53     15410.88
  SQUAW CREEK     SC              1243.*        PF 1          759.88       759.88       0.00          0.00          0.00     136762.70
11458.57      58003.05     15412.39
  SQUAW CREEK     SC              1242.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136755.90
11460.92      58007.44     15413.90
  SQUAW CREEK     SC              1242.*        PF 1          759.88       759.88       0.00          0.00          0.00     136748.60
11464.00      58011.68     15415.41
  SQUAW CREEK     SC              1241.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136740.40
11466.58      58017.32     15416.92
  SQUAW CREEK     SC              1241.*        PF 1          759.88       759.88       0.00          0.00          0.00     136734.90
11468.76      58020.63     15418.43
  SQUAW CREEK     SC              1240.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136728.30
11471.18      58024.77     15419.94
  SQUAW CREEK     SC              1240.*        PF 1          759.88       759.88       0.00          0.00          0.00     136721.90
11473.58      58028.83     15421.45
  SQUAW CREEK     SC              1239.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136714.20
11475.98      58034.09     15422.96
  SQUAW CREEK     SC              1239.*        PF 1          759.88       759.88       0.00          0.00          0.00     136707.70
11478.47      58038.17     15424.47
  SQUAW CREEK     SC              1238.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136701.10
11481.20      58042.02     15425.98
  SQUAW CREEK     SC              1238.*        PF 1          759.88       759.88       0.00          0.00          0.00     136693.20
11483.77      58047.36     15427.49
  SQUAW CREEK     SC              1237.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136687.30
11486.26      58050.78     15429.00
  SQUAW CREEK     SC              1237.*        PF 1          759.88       759.88       0.00          0.00          0.00     136678.80
11488.62      58056.91     15430.51
  SQUAW CREEK     SC              1236.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136673.40
11491.04      58059.89     15432.02
  SQUAW CREEK     SC              1236.*        PF 1          759.88       759.88       0.00          0.00          0.00     136666.80
11493.29      58064.21     15433.54
  SQUAW CREEK     SC              1235.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136659.50
11496.37      58068.38     15435.04
  SQUAW CREEK     SC              1235.*        PF 1          759.88       759.88       0.00          0.00          0.00     136651.50
11498.91      58073.86     15436.56
  SQUAW CREEK     SC              1234.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136646.00
11501.44      58076.82     15438.07
  SQUAW CREEK     SC              1234.*        PF 1          759.88       759.88       0.00          0.00          0.00     136638.70
11503.58      58082.07     15439.58
  SQUAW CREEK     SC              1233.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136632.80
11506.11      58085.43     15441.09
  SQUAW CREEK     SC              1233.*        PF 1          759.88       759.88       0.00          0.00          0.00     136625.10
11508.43      58090.75     15442.60
  SQUAW CREEK     SC              1232.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136619.30
11510.94      58094.10     15444.11
  SQUAW CREEK     SC              1232.*        PF 1          759.88       759.88       0.00          0.00          0.00     136611.30
11514.09      58098.88     15445.62
  SQUAW CREEK     SC              1231.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136605.20
11516.16      58102.91     15447.13
  SQUAW CREEK     SC              1231.*        PF 1          759.88       759.88       0.00          0.00          0.00     136597.30
11518.54      58108.48     15448.64
  SQUAW CREEK     SC              1230.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136591.20
11521.07      58111.99     15450.15
  SQUAW CREEK     SC              1230.*        PF 1          759.88       759.88       0.00          0.00          0.00     136584.30
11523.57      58116.41     15451.66
  SQUAW CREEK     SC              1229.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136577.10
11525.92      58121.30     15453.17
  SQUAW CREEK     SC              1229.*        PF 1          759.88       759.88       0.00          0.00          0.00     136570.60
11528.33      58125.35     15454.68
  SQUAW CREEK     SC              1228.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136563.40
11531.27      58129.61     15456.19
  SQUAW CREEK     SC              1228.*        PF 1          759.88       759.88       0.00          0.00          0.00     136557.40
11533.65      58133.28     15457.70
  SQUAW CREEK     SC              1227.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136549.10
11536.05      58139.12     15459.21
  SQUAW CREEK     SC              1227.*        PF 1          759.88       759.88       0.00          0.00          0.00     136543.00
11538.63      58142.65     15460.72
  SQUAW CREEK     SC              1226.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136537.10
11540.80      58146.39     15462.24
  SQUAW CREEK     SC              1226.*        PF 1          759.88       759.88       0.00          0.00          0.00     136530.30
11543.25      58150.76     15463.75
  SQUAW CREEK     SC              1225.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136522.10
11546.40      58155.79     15465.26
  SQUAW CREEK     SC              1225.*        PF 1          759.88       759.88       0.00          0.00          0.00     136515.70
11548.79      58159.81     15466.77
  SQUAW CREEK     SC              1224.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136509.30
11550.96      58164.05     15468.28
  SQUAW CREEK     SC              1224.*        PF 1          759.88       759.88       0.00          0.00          0.00     136502.90
11553.61      58167.83     15469.79
  SQUAW CREEK     SC              1223.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136495.80
11555.89      58172.63     15471.30
  SQUAW CREEK     SC              1223.*        PF 1          759.88       759.88       0.00          0.00          0.00     136488.80
11558.34      58177.12     15472.81
  SQUAW CREEK     SC              1222.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136482.80
11560.83      58180.70     15474.32
  SQUAW CREEK     SC              1222.*        PF 1          759.88       759.88       0.00          0.00          0.00     136475.40
11563.53      58185.39     15475.83
  SQUAW CREEK     SC              1221.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136468.80
11565.99      58189.52     15477.34
  SQUAW CREEK     SC              1221.*        PF 1          759.88       759.88       0.00          0.00          0.00     136460.70
11568.55      58195.08     15478.85
  SQUAW CREEK     SC              1220.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136455.70
11570.94      58197.70     15480.36
  SQUAW CREEK     SC              1220.*        PF 1          759.88       759.88       0.00          0.00          0.00     136448.20
11573.05      58203.07     15481.87
  SQUAW CREEK     SC              1219.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136441.90
11575.48      58206.95     15483.38
  SQUAW CREEK     SC              1219.*        PF 1          759.88       759.88       0.00          0.00          0.00     136434.60
11578.00      58211.70     15484.89
  SQUAW CREEK     SC              1218.5*       PF 1          759.88       759.88       0.00          0.00          0.00     136428.30
11581.08      58214.93     15486.41
  SQUAW CREEK     SC              1218.*        PF 1          759.88       759.88       0.00          0.00          0.00     136420.30
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11583.66     58220.38    15487.92
  SQUAW CREEK    SC            1217.5*       PF 1          759.88       759.88       0.00          0.00          0.00    136414.80
11586.02     58223.52    15489.43
  SQUAW CREEK    SC            1217.*        PF 1          759.88       759.88       0.00          0.00          0.00    136407.20
11588.10     58229.01    15490.94
  SQUAW CREEK    SC            1216.5*       PF 1          759.88       759.88       0.00          0.00          0.00    136401.50
11590.63     58232.21    15492.45
  SQUAW CREEK    SC            1216.*        PF 1          759.88       759.88       0.00          0.00          0.00    136394.40
11593.14     58236.76    15493.96
  SQUAW CREEK    SC            1215.5*       PF 1          759.88       759.88       0.00          0.00          0.00    136387.90
11596.12     58240.26    15495.47
  SQUAW CREEK    SC            1215.*        PF 1          759.88       759.88       0.00          0.00          0.00    136380.10
11598.18     58245.97    15496.98
  SQUAW CREEK    SC            1214.5*       PF 1          759.88       759.88       0.00          0.00          0.00    136374.60
11600.96     58248.70    15498.49
  SQUAW CREEK    SC            1214          PF 1          759.88       759.88       0.00          0.00          0.00    136367.50
11603.21     58253.55    15500.00
  SQUAW CREEK    SC            1211.05*      PF 1          759.88       759.88       0.00          0.00          0.00    136365.10
11606.67     58252.52    15500.00
  SQUAW CREEK    SC            1208.11*      PF 1          759.88       759.88       0.00          0.00          0.00    136362.70
11610.13     58251.49    15500.00
  SQUAW CREEK    SC            1205.17*      PF 1          759.88       759.88       0.00          0.00          0.00    136360.30
11613.58     58250.45    15500.00
  SQUAW CREEK    SC            1202.23*      PF 1          759.88       759.88       0.00          0.00          0.00    136357.80
11617.04     58249.42    15500.00
  SQUAW CREEK    SC            1199.29*      PF 1          759.88       759.88       0.00          0.00          0.00    136355.80
11619.92     58248.56    15500.00
  SQUAW CREEK    SC            1196.35*      PF 1          759.88       759.88       0.00          0.00          0.00    136353.40
11623.37     58247.52    15500.00
  SQUAW CREEK    SC            1193.41*      PF 1          759.88       759.88       0.00          0.00          0.00    136351.00
11626.83     58246.49    15500.00
  SQUAW CREEK    SC            1190.47*      PF 1          759.88       759.88       0.00          0.00          0.00    136348.60
11630.28     58245.45    15500.00
  SQUAW CREEK    SC            1187.52*      PF 1          759.88       759.88       0.00          0.00          0.00    136346.10
11633.74     58244.42    15500.00
  SQUAW CREEK    SC            1184.58*      PF 1          759.88       759.88       0.00          0.00          0.00    136343.70
11637.19     58243.39    15500.00
  SQUAW CREEK    SC            1181.64*      PF 1          759.88       759.88       0.00          0.00          0.00    136341.30
11640.65     58242.35    15500.00
  SQUAW CREEK    SC            1178.70*      PF 1          759.88       759.88       0.00          0.00          0.00    136338.90
11644.10     58241.32    15500.00
  SQUAW CREEK    SC            1175.76*      PF 1          759.88       759.88       0.00          0.00          0.00    136336.90
11646.98     58240.46    15500.00
  SQUAW CREEK    SC            1172.82*      PF 1          759.88       759.88       0.00          0.00          0.00    136334.40
11650.43     58239.42    15500.00
  SQUAW CREEK    SC            1169.88*      PF 1          759.88       759.88       0.00          0.00          0.00    136332.00
11653.88     58238.39    15500.00
  SQUAW CREEK    SC            1166.94*      PF 1          759.88       759.88       0.00          0.00          0.00    136329.60
11657.33     58237.36    15500.00
  SQUAW CREEK    SC            1164          PF 1          759.88       759.88       0.00          0.00          0.01    161161.60
13785.01     68845.10    15500.00
  PALUXY         PALUXY RIVER   25092        PF 1          760.95       760.87       0.08          0.26          0.00    355942.40
119618.70    468929.70     4400.00
  PALUXY         PALUXY RIVER   22745        PF 1          760.69       760.62       0.08          0.00          0.00    508811.80
139788.80    295890.20     4600.00
  PALUXY         PALUXY RIVER   22735.0*     PF 1          760.69       760.62       0.08          0.00          0.00    510063.80
139939.50    294487.50     4603.53
  PALUXY         PALUXY RIVER   22725.0*     PF 1          760.69       760.62       0.08          0.00          0.00    511303.90
140084.30    293102.60     4607.06
  PALUXY         PALUXY RIVER   22715.0*     PF 1          760.69       760.61       0.08          0.00          0.00    512563.80
140226.40    291700.60     4610.59
  PALUXY         PALUXY RIVER   22705.0*     PF 1          760.69       760.61       0.08          0.00          0.00    513803.80
140375.90    290311.10     4614.12
  PALUXY         PALUXY RIVER   22695.0*     PF 1          760.69       760.61       0.07          0.00          0.00    515050.60
140515.70    288924.40     4617.65
  PALUXY         PALUXY RIVER   22685.0*     PF 1          760.69       760.61       0.07          0.00          0.00    516286.50
140658.80    287545.60     4621.18
  PALUXY         PALUXY RIVER   22675.0*     PF 1          760.69       760.61       0.07          0.00          0.00    517526.00
140801.40    286163.40     4624.71
  PALUXY         PALUXY RIVER   22665.0*     PF 1          760.68       760.61       0.07          0.00          0.00    518764.60
140940.40    284785.80     4628.24
  PALUXY         PALUXY RIVER   22655.1*     PF 1          760.68       760.61       0.07          0.00          0.00    520000.00
141086.50    283404.30     4631.76
  PALUXY         PALUXY RIVER   22645.1*     PF 1          760.68       760.61       0.07          0.00          0.00    521225.50
141225.30    282040.00     4635.29
  PALUXY         PALUXY RIVER   22635.1*     PF 1          760.68       760.61       0.07          0.00          0.00    522459.90
141363.10    280667.80     4638.82
  PALUXY         PALUXY RIVER   22625.1*     PF 1          760.68       760.61       0.07          0.00          0.00    523686.80
141501.90    279302.10     4642.35
  PALUXY         PALUXY RIVER   22615.1*     PF 1          760.68       760.60       0.07          0.00          0.00    524914.50
141639.80    277936.40     4645.88
  PALUXY         PALUXY RIVER   22605.1*     PF 1          760.68       760.60       0.07          0.00          0.00    526133.90
141781.20    276575.70     4649.41
  PALUXY         PALUXY RIVER   22595.1*     PF 1          760.68       760.60       0.07          0.00          0.00    527367.30
141913.20    275210.50     4652.94
  PALUXY         PALUXY RIVER   22585.1*     PF 1          760.68       760.60       0.07          0.00          0.00    528575.40
142049.50    273865.90     4656.47
  PALUXY         PALUXY RIVER   22575.2*     PF 1          760.67       760.60       0.07          0.00          0.00    529793.50
142189.00    272508.40     4660.00
  PALUXY         PALUXY RIVER   22565.2*     PF 1          760.67       760.60       0.07          0.00          0.00    530994.90
142328.20    271167.80     4663.53
  PALUXY         PALUXY RIVER   22555.2*     PF 1          760.67       760.60       0.07          0.00          0.00    532210.60
142460.60    269819.60     4667.06
  PALUXY         PALUXY RIVER   22545.2*     PF 1          760.67       760.60       0.07          0.00          0.00    533427.50
142588.40    268474.90     4670.59
  PALUXY         PALUXY RIVER   22535.2*     PF 1          760.67       760.60       0.07          0.00          0.00    534638.30
142725.10    267127.50     4674.12
  PALUXY         PALUXY RIVER   22525.2*     PF 1          760.67       760.59       0.07          0.00          0.00    535842.40
142854.30    265794.10     4677.65
  PALUXY         PALUXY RIVER   22515.2*     PF 1          760.67       760.59       0.07          0.00          0.00    537037.80
142987.30    264465.80     4681.18
  PALUXY         PALUXY RIVER   22505.2*     PF 1          760.67       760.59       0.07          0.00          0.00    538239.30
143115.00    263136.60     4684.71
  PALUXY         PALUXY RIVER   22495.2*     PF 1          760.67       760.59       0.07          0.00          0.00    539448.60
143242.10    261800.10     4688.24
  PALUXY         PALUXY RIVER   22485.3*     PF 1          760.66       760.59       0.07          0.00          0.00    540631.70
143375.90    260483.20     4691.76
  PALUXY         PALUXY RIVER   22475.3*     PF 1          760.66       760.59       0.07          0.00          0.00    541826.90
143503.40    259160.50     4695.29
  PALUXY         PALUXY RIVER   22465.3*     PF 1          760.66       760.59       0.07          0.00          0.00    543021.10
143625.30    257844.50     4698.82
  PALUXY         PALUXY RIVER   22455.3*     PF 1          760.66       760.59       0.07          0.00          0.00    544206.70
143757.60    256526.60     4702.35
  PALUXY         PALUXY RIVER   22445.3*     PF 1          760.66       760.59       0.07          0.00          0.00    545395.30
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143875.30    255220.10     4705.88
  PALUXY         PALUXY RIVER   22435.3*      PF 1         760.66       760.59       0.07         0.00         0.00     546580.90
144005.30    253904.60     4709.41
  PALUXY         PALUXY RIVER   22425.3*      PF 1         760.66       760.58       0.07         0.00         0.00     547759.70
144125.70    252605.50     4712.94
  PALUXY         PALUXY RIVER   22415.3*      PF 1         760.66       760.58       0.07         0.00         0.00     548941.80
144247.50    251301.50     4716.47
  PALUXY         PALUXY RIVER   22405.4*      PF 1         760.66       760.58       0.07         0.00         0.00     550112.50
144373.40    250005.00     4720.00
  PALUXY         PALUXY RIVER   22395.4*      PF 1         760.66       760.58       0.07         0.00         0.00     551286.30
144498.10    248706.50     4723.53
  PALUXY         PALUXY RIVER   22385.4*      PF 1         760.65       760.58       0.07         0.00         0.00     552454.90
144620.00    247415.90     4727.06
  PALUXY         PALUXY RIVER   22375.4*      PF 1         760.65       760.58       0.07         0.00         0.00     553629.90
144733.50    246127.40     4730.59
  PALUXY         PALUXY RIVER   22365.4*      PF 1         760.65       760.58       0.07         0.00         0.00     554797.60
144857.30    244835.90     4734.12
  PALUXY         PALUXY RIVER   22355.4*      PF 1         760.65       760.58       0.07         0.00         0.00     555957.40
144975.70    243557.70     4737.65
  PALUXY         PALUXY RIVER   22345.4*      PF 1         760.65       760.58       0.07         0.00         0.00     557105.60
145100.20    242285.10     4741.18
  PALUXY         PALUXY RIVER   22335.4*      PF 1         760.65       760.58       0.07         0.00         0.00     558281.90
145209.50    240999.50     4744.71
  PALUXY         PALUXY RIVER   22325.4*      PF 1         760.65       760.57       0.07         0.00         0.00     559432.90
145326.80    239731.20     4748.24
  PALUXY         PALUXY RIVER   22315.5*      PF 1         760.65       760.57       0.07         0.00         0.00     560571.50
145449.50    238469.80     4751.76
  PALUXY         PALUXY RIVER   22305.5*      PF 1         760.65       760.57       0.07         0.00         0.00     561732.10
145561.10    237197.60     4755.29
  PALUXY         PALUXY RIVER   22295.5*      PF 1         760.64       760.57       0.07         0.00         0.00     562886.20
145671.40    235933.20     4758.82
  PALUXY         PALUXY RIVER   22285.5*      PF 1         760.64       760.57       0.07         0.00         0.00     564027.60
145790.60    234672.70     4762.35
  PALUXY         PALUXY RIVER   22275.5*      PF 1         760.64       760.57       0.07         0.00         0.00     565169.60
145898.70    233422.50     4765.88
  PALUXY         PALUXY RIVER   22265.5*      PF 1         760.64       760.57       0.07         0.00         0.00     566308.50
146017.30    232165.00     4769.41
  PALUXY         PALUXY RIVER   22255.5*      PF 1         760.64       760.57       0.07         0.00         0.00     567452.10
146123.10    230915.60     4772.94
  PALUXY         PALUXY RIVER   22245.5*      PF 1         760.64       760.57       0.07         0.00         0.00     568582.30
146233.20    229675.40     4776.47
  PALUXY         PALUXY RIVER   22235.6*      PF 1         760.64       760.56       0.07         0.00         0.00     569705.80
146349.30    228435.80     4780.00
  PALUXY         PALUXY RIVER   22225.6*      PF 1         760.64       760.56       0.07         0.00         0.00     570844.80
146459.50    227186.60     4783.53
  PALUXY         PALUXY RIVER   22215.6*      PF 1         760.64       760.56       0.07         0.00         0.00     571969.20
146568.90    225952.80     4787.06
  PALUXY         PALUXY RIVER   22205.6*      PF 1         760.63       760.56       0.07         0.00         0.00     573097.30
146670.20    224723.40     4790.59
  PALUXY         PALUXY RIVER   22195.6*      PF 1         760.63       760.56       0.07         0.00         0.00     574214.90
146781.00    223495.00     4794.12
  PALUXY         PALUXY RIVER   22185.6*      PF 1         760.63       760.56       0.07         0.00         0.00     575336.70
146884.10    222270.00     4797.65
  PALUXY         PALUXY RIVER   22175.6*      PF 1         760.63       760.56       0.07         0.00         0.00     576447.20
146992.70    221050.90     4801.18
  PALUXY         PALUXY RIVER   22165.6*      PF 1         760.63       760.56       0.07         0.00         0.00     577569.40
147092.70    219828.60     4804.71
  PALUXY         PALUXY RIVER   22155.6*      PF 1         760.63       760.56       0.07         0.00         0.00     578671.40
147197.00    218622.40     4808.24
  PALUXY         PALUXY RIVER   22145.7*      PF 1         760.63       760.56       0.07         0.00         0.00     579781.10
147303.60    217406.10     4811.76
  PALUXY         PALUXY RIVER   22135.7*      PF 1         760.63       760.55       0.07         0.00         0.00     580881.80
147405.20    216203.70     4815.29
  PALUXY         PALUXY RIVER   22125.7*      PF 1         760.63       760.55       0.07         0.00         0.00     581992.50
147504.90    214993.40     4818.82
  PALUXY         PALUXY RIVER   22115.7*      PF 1         760.62       760.55       0.07         0.00         0.00     583094.20
147606.30    213790.40     4822.35
  PALUXY         PALUXY RIVER   22105.7*      PF 1         760.62       760.55       0.07         0.00         0.00     584189.60
147704.10    212597.10     4825.88
  PALUXY         PALUXY RIVER   22095.7*      PF 1         760.62       760.55       0.07         0.00         0.00     585270.40
147812.40    211408.10     4829.41
  PALUXY         PALUXY RIVER   22085.7*      PF 1         760.62       760.55       0.07         0.00         0.00     586377.60
147902.80    210210.40     4832.94
  PALUXY         PALUXY RIVER   22075.7*      PF 1         760.62       760.55       0.07         0.00         0.00     587458.60
148002.50    209029.80     4836.47
  PALUXY         PALUXY RIVER   22065.8*      PF 1         760.62       760.55       0.07         0.00         0.00     588542.10
148104.50    207844.20     4840.00
  PALUXY         PALUXY RIVER   22055.8*      PF 1         760.62       760.55       0.07         0.00         0.00     589624.10
148202.00    206664.70     4843.53
  PALUXY         PALUXY RIVER   22045.8*      PF 1         760.62       760.55       0.07         0.00         0.00     590705.60
148295.20    205490.00     4847.06
  PALUXY         PALUXY RIVER   22035.8*      PF 1         760.62       760.54       0.07         0.00         0.00     591777.80
148390.10    204323.00     4850.59
  PALUXY         PALUXY RIVER   22025.8*      PF 1         760.62       760.54       0.07         0.00         0.00     592854.10
148486.70    203150.00     4854.12
  PALUXY         PALUXY RIVER   22015.8*      PF 1         760.61       760.54       0.07         0.00         0.00     593923.30
148581.50    201986.10     4857.65
  PALUXY         PALUXY RIVER   22005.8*      PF 1         760.61       760.54       0.07         0.00         0.00     594988.60
148673.90    200828.30     4861.18
  PALUXY         PALUXY RIVER   21995.8*      PF 1         760.61       760.54       0.07         0.00         0.00     596057.00
148765.00    199668.70     4864.71
  PALUXY         PALUXY RIVER   21985.8*      PF 1         760.61       760.54       0.07         0.00         0.00     597122.70
148853.20    198514.90     4868.24
  PALUXY         PALUXY RIVER   21975.9*      PF 1         760.61       760.54       0.07         0.00         0.00     598179.90
148950.30    197360.60     4871.76
  PALUXY         PALUXY RIVER   21965.9*      PF 1         760.61       760.54       0.07         0.00         0.00     599236.00
149035.70    196219.10     4875.29
  PALUXY         PALUXY RIVER   21955.9*      PF 1         760.61       760.54       0.07         0.00         0.00     600293.10
149124.30    195073.40     4878.82
  PALUXY         PALUXY RIVER   21945.9*      PF 1         760.61       760.54       0.07         0.00         0.00     601345.70
149213.20    193932.00     4882.35
  PALUXY         PALUXY RIVER   21935.9*      PF 1         760.61       760.53       0.07         0.00         0.00     602395.10
149296.20    192799.50     4885.88
  PALUXY         PALUXY RIVER   21925.9*      PF 1         760.60       760.53       0.07         0.00         0.00     603425.40
149390.20    191675.20     4889.41
  PALUXY         PALUXY RIVER   21915.9*      PF 1         760.60       760.53       0.07         0.00         0.00     604486.10
149470.20    190534.50     4892.94
  PALUXY         PALUXY RIVER   21905.9*      PF 1         760.60       760.53       0.07         0.00         0.00     605511.80
149558.60    189420.40     4896.47
  PALUXY         PALUXY RIVER   21896.*       PF 1         760.60       760.53       0.07         0.00         0.00     606550.50
149645.70    188294.70     4900.00
  PALUXY         PALUXY RIVER   21886.0*      PF 1         760.60       760.53       0.07         0.00         0.00     607587.60
149728.90    187174.30     4903.53
  PALUXY         PALUXY RIVER   21876.0*      PF 1         760.60       760.53       0.07         0.00         0.00     608610.10
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149816.40    186064.30     4907.06
  PALUXY         PALUXY RIVER   21866.0*      PF 1          760.60       760.53       0.07          0.00          0.00     609642.80
149891.70    184956.40     4910.59
  PALUXY         PALUXY RIVER   21856.0*      PF 1          760.60       760.53       0.07          0.00          0.00     610674.50
149976.10    183840.10     4914.12
  PALUXY         PALUXY RIVER   21846.0*      PF 1          760.60       760.53       0.07          0.00          0.00     611682.60
150061.10    182747.10     4917.65
  PALUXY         PALUXY RIVER   21836.0*      PF 1          760.60       760.52       0.07          0.00          0.00     612701.80
150142.00    181647.00     4921.18
  PALUXY         PALUXY RIVER   21826.0*      PF 1          760.59       760.52       0.07          0.00          0.00     613726.00
150211.70    180553.20     4924.71
  PALUXY         PALUXY RIVER   21816.1*      PF 1          760.59       760.52       0.07          0.00          0.00     614733.30
150297.00    179460.50     4928.23
  PALUXY         PALUXY RIVER   21806.1*      PF 1          760.59       760.52       0.07          0.00          0.00     615746.60
150377.20    178367.00     4931.76
  PALUXY         PALUXY RIVER   21796.1*      PF 1          760.59       760.52       0.07          0.00          0.00     616748.30
150455.10    177287.40     4935.29
  PALUXY         PALUXY RIVER   21786.1*      PF 1          760.59       760.52       0.07          0.00          0.00     617750.90
150528.60    176211.30     4938.82
  PALUXY         PALUXY RIVER   21776.1*      PF 1          760.59       760.52       0.07          0.00          0.00     618759.10
150605.10    175126.60     4942.35
  PALUXY         PALUXY RIVER   21766.1*      PF 1          760.59       760.52       0.07          0.00          0.00     619742.90
150682.10    174065.80     4945.88
  PALUXY         PALUXY RIVER   21756.1*      PF 1          760.59       760.52       0.07          0.00          0.00     620744.10
150759.80    172986.90     4949.41
  PALUXY         PALUXY RIVER   21746.1*      PF 1          760.59       760.52       0.07          0.00          0.00     621737.00
150831.80    171922.00     4952.94
  PALUXY         PALUXY RIVER   21736.1*      PF 1          760.59       760.51       0.07          0.00          0.00     622725.30
150904.20    170861.40     4956.47
  PALUXY         PALUXY RIVER   21726.2*      PF 1          760.58       760.51       0.07          0.00          0.00     623709.90
150975.00    169806.00     4960.00
  PALUXY         PALUXY RIVER   21716.2*      PF 1          760.58       760.51       0.07          0.00          0.00     624687.80
151050.50    168752.50     4963.53
  PALUXY         PALUXY RIVER   21706.2*      PF 1          760.58       760.51       0.07          0.00          0.00     625660.30
151126.20    167704.30     4967.06
  PALUXY         PALUXY RIVER   21696.2*      PF 1          760.58       760.51       0.07          0.00          0.00     626653.30
151184.10    166653.50     4970.59
  PALUXY         PALUXY RIVER   21686.2*      PF 1          760.58       760.51       0.07          0.00          0.00     627621.20
151260.50    165609.10     4974.12
  PALUXY         PALUXY RIVER   21676.2*      PF 1          760.58       760.51       0.07          0.00          0.00     628584.30
151329.30    164577.20     4977.65
  PALUXY         PALUXY RIVER   21666.2*      PF 1          760.58       760.51       0.07          0.00          0.00     629555.80
151395.90    163539.10     4981.18
  PALUXY         PALUXY RIVER   21656.2*      PF 1          760.58       760.51       0.07          0.00          0.00     630513.60
151460.20    162517.00     4984.71
  PALUXY         PALUXY RIVER   21646.2*      PF 1          760.58       760.51       0.07          0.00          0.00     631481.60
151528.40    161480.80     4988.23
  PALUXY         PALUXY RIVER   21636.3*      PF 1          760.57       760.50       0.07          0.00          0.00     632438.30
151598.10    160454.40     4991.76
  PALUXY         PALUXY RIVER   21626.3*      PF 1          760.57       760.50       0.07          0.00          0.00     633387.60
151663.60    159439.60     4995.29
  PALUXY         PALUXY RIVER   21616.3*      PF 1          760.57       760.50       0.07          0.00          0.00     634345.40
151722.80    158422.60     4998.82
  PALUXY         PALUXY RIVER   21606.3*      PF 1          760.57       760.50       0.07          0.00          0.00     635293.90
151789.30    157407.50     5002.35
  PALUXY         PALUXY RIVER   21596.3*      PF 1          760.57       760.50       0.07          0.00          0.00     636226.80
151855.70    156408.30     5005.88
  PALUXY         PALUXY RIVER   21586.3*      PF 1          760.57       760.50       0.07          0.00          0.00     637175.90
151919.70    155395.30     5009.41
  PALUXY         PALUXY RIVER   21576.3*      PF 1          760.57       760.50       0.07          0.00          0.00     638117.30
151980.50    154393.00     5012.94
  PALUXY         PALUXY RIVER   21566.3*      PF 1          760.57       760.50       0.07          0.00          0.00     639057.10
152037.70    153396.10     5016.47
  PALUXY         PALUXY RIVER   21556.4*      PF 1          760.57       760.50       0.07          0.00          0.00     639983.80
152100.10    152407.00     5020.00
  PALUXY         PALUXY RIVER   21546.4*      PF 1          760.57       760.50       0.07          0.00          0.00     640906.30
152166.50    151418.00     5023.53
  PALUXY         PALUXY RIVER   21536.4*      PF 1          760.56       760.50       0.07          0.00          0.00     641835.60
152225.10    150430.00     5027.06
  PALUXY         PALUXY RIVER   21526.4*      PF 1          760.56       760.49       0.07          0.00          0.00     642767.90
152275.80    149447.20     5030.59
  PALUXY         PALUXY RIVER   21516.4*      PF 1          760.56       760.49       0.07          0.00          0.00     643674.50
152342.10    148474.20     5034.12
  PALUXY         PALUXY RIVER   21506.4*      PF 1          760.56       760.49       0.07          0.00          0.00     644599.60
152396.00    147495.20     5037.65
  PALUXY         PALUXY RIVER   21496.4*      PF 1          760.56       760.49       0.07          0.00          0.00     645511.80
152454.20    146524.70     5041.18
  PALUXY         PALUXY RIVER   21486.4*      PF 1          760.56       760.49       0.07          0.00          0.00     646426.20
152504.00    145560.60     5044.71
  PALUXY         PALUXY RIVER   21476.5*      PF 1          760.56       760.49       0.07          0.00          0.00     647335.40
152558.00    144597.50     5048.23
  PALUXY         PALUXY RIVER   21466.5*      PF 1          760.56       760.49       0.07          0.00          0.00     648239.50
152618.40    143632.90     5051.76
  PALUXY         PALUXY RIVER   21456.5*      PF 1          760.56       760.49       0.07          0.00          0.00     649129.60
152673.20    142687.90     5055.29
  PALUXY         PALUXY RIVER   21446.5*      PF 1          760.56       760.49       0.07          0.00          0.00     650040.80
152719.40    141730.70     5058.82
  PALUXY         PALUXY RIVER   21436.5*      PF 1          760.55       760.49       0.07          0.00          0.00     650930.80
152777.40    140782.60     5062.35
  PALUXY         PALUXY RIVER   21426.5*      PF 1          760.55       760.49       0.07          0.00          0.00     651823.10
152823.80    139843.90     5065.88
  PALUXY         PALUXY RIVER   21416.5*      PF 1          760.55       760.48       0.07          0.00          0.00     652712.40
152877.20    138901.30     5069.41
  PALUXY         PALUXY RIVER   21406.5*      PF 1          760.55       760.48       0.07          0.00          0.00     653603.50
152925.70    137961.60     5072.94
  PALUXY         PALUXY RIVER   21396.5*      PF 1          760.55       760.48       0.07          0.00          0.00     654484.10
152974.30    137032.50     5076.47
  PALUXY         PALUXY RIVER   21386.6*      PF 1          760.55       760.48       0.07          0.00          0.00     655359.90
153022.60    136108.20     5080.00
  PALUXY         PALUXY RIVER   21376.6*      PF 1          760.55       760.48       0.07          0.00          0.00     656237.00
153075.70    135178.10     5083.53
  PALUXY         PALUXY RIVER   21366.6*      PF 1          760.55       760.48       0.07          0.00          0.00     657109.10
153122.50    134259.30     5087.06
  PALUXY         PALUXY RIVER   21356.6*      PF 1          760.55       760.48       0.07          0.00          0.00     657980.70
153165.50    133344.60     5090.59
  PALUXY         PALUXY RIVER   21346.6*      PF 1          760.55       760.48       0.07          0.00          0.00     658842.60
153217.00    132431.20     5094.12
  PALUXY         PALUXY RIVER   21336.6*      PF 1          760.54       760.48       0.07          0.00          0.00     659709.80
153260.40    131520.60     5097.65
  PALUXY         PALUXY RIVER   21326.6*      PF 1          760.54       760.48       0.07          0.00          0.00     660565.70
153310.30    130614.90     5101.18
  PALUXY         PALUXY RIVER   21316.6*      PF 1          760.54       760.48       0.07          0.00          0.00     661431.90
153344.80    129714.10     5104.71
  PALUXY         PALUXY RIVER   21306.7*      PF 1          760.54       760.47       0.07          0.00          0.00     662285.30
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153389.40    128816.00     5108.23
  PALUXY          PALUXY RIVER   21296.7*      PF 1          760.54       760.47       0.07          0.00          0.00     663130.70
153441.60    127918.50     5111.76
  PALUXY          PALUXY RIVER   21286.7*      PF 1          760.54       760.47       0.07          0.00          0.00     663971.80
153480.60    127038.40     5115.29
  PALUXY          PALUXY RIVER   21276.7*      PF 1          760.54       760.47       0.07          0.00          0.00     664827.50
153520.40    126142.90     5118.82
  PALUXY          PALUXY RIVER   21266.7*      PF 1          760.54       760.47       0.07          0.00          0.00     665664.90
153562.70    125263.10     5122.35
  PALUXY          PALUXY RIVER   21256.7*      PF 1          760.54       760.47       0.07          0.00          0.00     666507.10
153602.90    124380.90     5125.88
  PALUXY          PALUXY RIVER   21246.7*      PF 1          760.54       760.47       0.07          0.00          0.00     667340.40
153641.50    123508.90     5129.41
  PALUXY          PALUXY RIVER   21236.7*      PF 1          760.53       760.47       0.07          0.00          0.00     668170.60
153683.20    122637.10     5132.94
  PALUXY          PALUXY RIVER   21226.7*      PF 1          760.53       760.47       0.07          0.00          0.00     669003.40
153717.60    121769.90     5136.47
  PALUXY          PALUXY RIVER   21216.8*      PF 1          760.53       760.47       0.07          0.00          0.00     669827.40
153758.20    120905.20     5140.00
  PALUXY          PALUXY RIVER   21206.8*      PF 1          760.53       760.47       0.07          0.00          0.00     670644.20
153799.90    120046.70     5143.53
  PALUXY          PALUXY RIVER   21196.8*      PF 1          760.53       760.46       0.07          0.00          0.00     671464.80
153835.80    119190.30     5147.06
  PALUXY          PALUXY RIVER   21186.8*      PF 1          760.53       760.46       0.07          0.00          0.00     672284.40
153865.00    118341.40     5150.59
  PALUXY          PALUXY RIVER   21176.8*      PF 1          760.53       760.46       0.07          0.00          0.00     673097.40
153902.30    117491.10     5154.12
  PALUXY          PALUXY RIVER   21166.8*      PF 1          760.53       760.46       0.07          0.00          0.00     673913.40
153934.00    116643.30     5157.65
  PALUXY          PALUXY RIVER   21156.8*      PF 1          760.53       760.46       0.07          0.00          0.00     674719.30
153971.20    115800.30     5161.18
  PALUXY          PALUXY RIVER   21146.8*      PF 1          760.53       760.46       0.07          0.00          0.00     675523.10
153996.60    114971.10     5164.71
  PALUXY          PALUXY RIVER   21136.9*      PF 1          760.53       760.46       0.07          0.00          0.00     676330.80
154029.10    114130.90     5168.23
  PALUXY          PALUXY RIVER   21126.9*      PF 1          760.52       760.46       0.07          0.00          0.00     677118.30
154069.60    113302.90     5171.76
  PALUXY          PALUXY RIVER   21116.9*      PF 1          760.52       760.46       0.07          0.00          0.00     677911.40
154100.00    112479.50     5175.29
  PALUXY          PALUXY RIVER   21106.9*      PF 1          760.52       760.46       0.07          0.00          0.00     678701.40
154130.80    111658.60     5178.82
  PALUXY          PALUXY RIVER   21096.9*      PF 1          760.52       760.46       0.07          0.00          0.00     679495.80
154158.90    110836.10     5182.35
  PALUXY          PALUXY RIVER   21086.9*      PF 1          760.52       760.45       0.07          0.00          0.00     680282.70
154185.60    110022.50     5185.88
  PALUXY          PALUXY RIVER   21076.9*      PF 1          760.52       760.45       0.07          0.00          0.00     681056.80
154220.70    109213.40     5189.41
  PALUXY          PALUXY RIVER   21066.9*      PF 1          760.52       760.45       0.07          0.00          0.00     681834.90
154247.80    108408.20     5192.94
  PALUXY          PALUXY RIVER   21056.9*      PF 1          760.52       760.45       0.07          0.00          0.00     682625.70
154268.60    107596.60     5196.47
  PALUXY          PALUXY RIVER   21047         PF 1          760.52       760.45       0.07          0.01          0.00     683384.90
154301.50    106804.40     5200.00
  PALUXY          PALUXY RIVER   20951.6*      PF 1          760.51       760.44       0.06          0.01          0.00     679446.10
150926.60    114118.10     5261.11
  PALUXY          PALUXY RIVER   20856.3*      PF 1          760.50       760.44       0.06          0.01          0.00     675341.10
147559.70    121590.00     5322.22
  PALUXY          PALUXY RIVER   20761.*       PF 1          760.49       760.43       0.06          0.01          0.00     671086.60
144208.30    129195.80     5383.33
  PALUXY          PALUXY RIVER   20665.6*      PF 1          760.48       760.42       0.06          0.01          0.00     666682.60
140868.70    136939.50     5444.44
  PALUXY          PALUXY RIVER   20570.3*      PF 1          760.47       760.42       0.06          0.01          0.00     662140.80
137549.90    144800.10     5505.56
  PALUXY          PALUXY RIVER   20475.*       PF 1          760.46       760.41       0.06          0.01          0.00     657462.70
134246.20    152781.90     5566.67
  PALUXY          PALUXY RIVER   20379.6*      PF 1          760.46       760.40       0.05          0.01          0.00     652662.80
130961.50    160866.60     5627.78
  PALUXY          PALUXY RIVER   20284.3*      PF 1          760.45       760.40       0.05          0.01          0.00     647743.40
127700.90    169046.60     5688.89
  PALUXY          PALUXY RIVER   20189.*       PF 1          760.44       760.39       0.05          0.01          0.00     642712.30
124466.20    177312.30     5750.00
  PALUXY          PALUXY RIVER   20093.6*      PF 1          760.43       760.38       0.05          0.01          0.00     637578.30
121256.60    185656.00     5811.11
  PALUXY          PALUXY RIVER   19998.3*      PF 1          760.43       760.38       0.05          0.01          0.00     632350.80
118074.60    194065.50     5872.22
  PALUXY          PALUXY RIVER   19903.*       PF 1          760.42       760.37       0.05          0.01          0.00     627027.80
114920.60    202542.50     5933.33
  PALUXY          PALUXY RIVER   19807.6*      PF 1          760.41       760.37       0.05          0.01          0.00     621624.60
111797.80    211068.50     5994.44
  PALUXY          PALUXY RIVER   19712.3*      PF 1          760.41       760.36       0.04          0.01          0.00     616145.50
108709.30    219636.10     6055.56
  PALUXY          PALUXY RIVER   19617.*       PF 1          760.40       760.36       0.04          0.01          0.00     610606.30
105648.40    228236.20     6116.67
  PALUXY          PALUXY RIVER   19521.6*      PF 1          760.39       760.35       0.04          0.01          0.00     605005.40
102615.00    236870.40     6177.78
  PALUXY          PALUXY RIVER   19426.3*      PF 1          760.39       760.35       0.04          0.01          0.00     599355.80
99610.48    245524.60     6238.89
  PALUXY          PALUXY RIVER   19331         PF 1          760.38       760.34       0.04          0.12          0.00     593666.70
96630.54    254193.60     6300.00
  PALUXY          PALUXY RIVER   17277         PF 1          760.26       760.22       0.05          0.10          0.00     408441.00
166133.10    369916.80     5600.00
  PALUXY          PALUXY RIVER   15741         PF 1          760.17       760.12       0.05          0.07          0.00     332367.20
153529.10    458594.50     5600.00
  PALUXY          PALUXY RIVER   14471         PF 1          760.09       760.05       0.04          0.01          0.00     474827.50
149395.20    320268.20     5200.00
  PALUXY          PALUXY RIVER   14325.1*      PF 1          760.08       760.05       0.04          0.01          0.00     507490.10
138872.30    298128.40     5492.86
  PALUXY          PALUXY RIVER   14179.2*      PF 1          760.08       760.04       0.03          0.01          0.00     537603.20
129148.30    277739.30     5785.71
  PALUXY          PALUXY RIVER   14033.4*      PF 1          760.07       760.04       0.03          0.00          0.00     565370.40
120162.10    258958.30     6078.57
  PALUXY          PALUXY RIVER   13887.5*      PF 1          760.06       760.04       0.03          0.00          0.00     591010.30
111849.70    241630.80     6371.43
  PALUXY          PALUXY RIVER   13741.7*      PF 1          760.06       760.04       0.02          0.00          0.00     614669.40
104164.50    225656.90     6664.29
  PALUXY          PALUXY RIVER   13595.8*      PF 1          760.05       760.03       0.02          0.00          0.00     636545.60
97048.21    210897.00     6957.14
  PALUXY          PALUXY RIVER   13450         PF 1          760.05       760.03       0.02          0.02          0.00     656767.50
90456.40    197267.00     7250.00
  PALUXY          PALUXY RIVER   12129         PF 1          760.03       760.01       0.01          0.01          0.00     855801.30
68506.93     20182.59     8066.82
  PALUXY          PALUXY RIVER   11391         PF 1          760.01       760.00       0.02          0.00          0.00     856107.70
78190.13     10193.00     6850.00
  PALUXY          PALUXY RIVER   11341.3*      PF 1          760.01       760.00       0.02          0.00          0.00     848492.60
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78372.02     17626.25     6887.00
  PALUXY          PALUXY RIVER   11291.6*      PF 1          760.01       760.00       0.02          0.00          0.00     840807.10
78548.69     25135.11     6924.00
  PALUXY          PALUXY RIVER   11241.9*      PF 1          760.01       759.99       0.02          0.00          0.00     833064.80
78719.52     32706.58     6961.00
  PALUXY          PALUXY RIVER   11192.2*      PF 1          760.01       759.99       0.02          0.00          0.00     825252.90
78885.49     40352.41     6998.00
  PALUXY          PALUXY RIVER   11142.6*      PF 1          760.01       759.99       0.02          0.00          0.00     817365.20
79043.34     48082.30     7035.00
  PALUXY          PALUXY RIVER   11092.9*      PF 1          760.01       759.99       0.02          0.00          0.00     809396.80
79194.91     55899.20     7072.00
  PALUXY          PALUXY RIVER   11043.2*      PF 1          760.01       759.99       0.02          0.00          0.00     801345.60
79338.98     63806.27     7109.00
  PALUXY          PALUXY RIVER   10993.5*      PF 1          760.01       759.99       0.02          0.00          0.00     793212.40
79474.34     71804.09     7146.00
  PALUXY          PALUXY RIVER   10943.8*      PF 1          760.01       759.99       0.02          0.00          0.00     784995.90
79602.74     79892.13     7183.00
  PALUXY          PALUXY RIVER   10894.2*      PF 1          760.01       759.99       0.02          0.00          0.00     776698.80
79722.73     88069.34     7220.00
  PALUXY          PALUXY RIVER   10844.5*      PF 1          760.00       759.99       0.02          0.00          0.00     768317.40
79835.05     96338.35     7257.00
  PALUXY          PALUXY RIVER   10794.8*      PF 1          760.00       759.99       0.02          0.00          0.00     759862.90
79938.58    104689.40     7294.00
  PALUXY          PALUXY RIVER   10745.1*      PF 1          760.00       759.99       0.02          0.00          0.00     751332.30
80032.98    113125.60     7331.00
  PALUXY          PALUXY RIVER   10695.4*      PF 1          760.00       759.99       0.02          0.00          0.00     742723.30
80120.70    121646.80     7368.00
  PALUXY          PALUXY RIVER   10645.8*      PF 1          760.00       759.99       0.02          0.00          0.00     734043.60
80198.84    130248.40     7405.00
  PALUXY          PALUXY RIVER   10596.1*      PF 1          760.00       759.98       0.02          0.00          0.00     725294.30
80269.02    138927.50     7442.00
  PALUXY          PALUXY RIVER   10546.4*      PF 1          760.00       759.98       0.02          0.00          0.00     716477.30
80330.87    147682.70     7479.00
  PALUXY          PALUXY RIVER   10496.7*      PF 1          760.00       759.98       0.02          0.00          0.00     707593.80
80384.23    156512.90     7516.00
  PALUXY          PALUXY RIVER   10447.0*      PF 1          760.00       759.98       0.02          0.00          0.00     698647.60
80429.83    165413.50     7553.00
  PALUXY          PALUXY RIVER   10397.4*      PF 1          760.00       759.98       0.02          0.00          0.00     689642.90
80466.35    174381.50     7590.00
  PALUXY          PALUXY RIVER   10347.7*      PF 1          760.00       759.98       0.02          0.00          0.00     680581.20
80495.48    183414.10     7627.00
  PALUXY          PALUXY RIVER   10298.0*      PF 1          760.00       759.98       0.02          0.00          0.00     671461.60
80514.82    192514.40     7664.00
  PALUXY          PALUXY RIVER   10248.3*      PF 1          760.00       759.98       0.02          0.00          0.00     662293.60
80526.38    201670.90     7701.00
  PALUXY          PALUXY RIVER   10198.6*      PF 1          759.99       759.98       0.02          0.00          0.00     653077.60
80529.18    210884.10     7738.00
  PALUXY          PALUXY RIVER   10149.*       PF 1          759.99       759.98       0.02          0.00          0.00     643811.90
80523.98    220154.90     7775.00
  PALUXY          PALUXY RIVER   10099.3*      PF 1          759.99       759.98       0.02          0.00          0.00     634500.40
80511.77    229478.60     7812.00
  PALUXY          PALUXY RIVER   10049.6*      PF 1          759.99       759.98       0.02          0.00          0.00     625153.50
80490.12    238847.20     7849.00
  PALUXY          PALUXY RIVER   9999.96*      PF 1          759.99       759.98       0.02          0.00          0.00     615762.00
80460.27    248268.50     7886.00
  PALUXY          PALUXY RIVER   9950.28*      PF 1          759.99       759.98       0.01          0.00          0.00     606343.60
80422.85    257724.30     7923.00
  PALUXY          PALUXY RIVER   9900.6*       PF 1          759.99       759.97       0.01          0.00          0.00     596890.90
80376.80    267223.20     7960.00
  PALUXY          PALUXY RIVER   9850.92*      PF 1          759.99       759.97       0.01          0.00          0.00     587407.90
80323.22    276759.80     7997.00
  PALUXY          PALUXY RIVER   9801.24*      PF 1          759.99       759.97       0.01          0.00          0.00     577898.20
80261.06    286331.60     8034.00
  PALUXY          PALUXY RIVER   9751.56*      PF 1          759.99       759.97       0.01          0.00          0.00     568364.80
80191.66    295934.30     8071.00
  PALUXY          PALUXY RIVER   9701.88*      PF 1          759.99       759.97       0.01          0.00          0.00     558810.90
80114.56    305565.30     8108.00
  PALUXY          PALUXY RIVER   9652.2*       PF 1          759.99       759.97       0.01          0.00          0.00     549238.60
80029.16    315223.10     8145.00
  PALUXY          PALUXY RIVER   9602.52*      PF 1          759.98       759.97       0.01          0.00          0.00     539655.30
79936.12    324899.40     8182.00
  PALUXY          PALUXY RIVER   9552.84*      PF 1          759.98       759.97       0.01          0.00          0.00     530060.80
79835.22    334594.80     8219.00
  PALUXY          PALUXY RIVER   9503.16*      PF 1          759.98       759.97       0.01          0.00          0.00     520455.60
79728.21    344307.00     8256.00
  PALUXY          PALUXY RIVER   9453.48*      PF 1          759.98       759.97       0.01          0.00          0.00     510843.20
79611.59    354036.10     8293.00
  PALUXY          PALUXY RIVER   9403.8*       PF 1          759.98       759.97       0.01          0.00          0.00     501226.00
79489.54    363775.20     8330.00
  PALUXY          PALUXY RIVER   9354.12*      PF 1          759.98       759.97       0.01          0.00          0.00     491615.00
79358.99    373516.80     8367.00
  PALUXY          PALUXY RIVER   9304.43*      PF 1          759.98       759.97       0.01          0.00          0.00     482000.30
79221.63    383268.90     8404.00
  PALUXY          PALUXY RIVER   9254.76*      PF 1          759.98       759.97       0.01          0.00          0.00     472391.00
79077.82    393022.00     8441.00
  PALUXY          PALUXY RIVER   9205.08*      PF 1          759.98       759.97       0.01          0.00          0.00     462794.30
78926.47    402770.10     8478.00
  PALUXY          PALUXY RIVER   9155.4*       PF 1          759.98       759.96       0.01          0.00          0.00     453198.80
78768.13    412523.90     8515.00
  PALUXY          PALUXY RIVER   9105.72*      PF 1          759.98       759.96       0.01          0.00          0.00     443625.20
78604.08    422261.50     8552.00
  PALUXY          PALUXY RIVER   9056.04*      PF 1          759.98       759.96       0.01          0.00          0.00     434062.60
78433.05    431995.20     8589.00
  PALUXY          PALUXY RIVER   9006.36*      PF 1          759.98       759.96       0.01          0.00          0.00     424521.30
78255.23    441714.20     8626.00
  PALUXY          PALUXY RIVER   8956.68*      PF 1          759.98       759.96       0.01          0.00          0.00     414996.50
78070.93    451423.40     8663.00
  PALUXY          PALUXY RIVER   8907          PF 1          759.97       759.96       0.01          0.00          0.00     405495.80
77880.85    461114.10     8700.00
  PALUXY          PALUXY RIVER   8861.14*      PF 1          759.97       759.96       0.01          0.00          0.00     396706.80
77760.34    470023.70     8650.00
  PALUXY          PALUXY RIVER   8815.28*      PF 1          759.97       759.96       0.01          0.00          0.00     387904.90
77624.22    478961.70     8600.00
  PALUXY          PALUXY RIVER   8769.42*      PF 1          759.97       759.96       0.01          0.00          0.00     379113.40
77468.38    487909.00     8550.00
  PALUXY          PALUXY RIVER   8723.57*      PF 1          759.97       759.96       0.01          0.00          0.00     370314.80
77298.45    496877.60     8500.00
  PALUXY          PALUXY RIVER   8677.71*      PF 1          759.97       759.96       0.01          0.00          0.00     361535.10
77110.79    505844.90     8450.00
  PALUXY          PALUXY RIVER   8631.85*      PF 1          759.97       759.96       0.01          0.00          0.00     352752.70
76908.69    514829.40     8400.00
  PALUXY          PALUXY RIVER   8586.*        PF 1          759.97       759.96       0.01          0.00          0.00     344001.00
76688.09    523801.70     8350.00
  PALUXY          PALUXY RIVER   8540.14*      PF 1          759.97       759.96       0.01          0.00          0.00     335272.30
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76449.55    532768.90     8300.00
  PALUXY          PALUXY RIVER   8494.28*      PF 1          759.97       759.96       0.01          0.00          0.00    326570.80
76197.08    541722.90     8250.00
  PALUXY          PALUXY RIVER   8448.42*      PF 1          759.97       759.95       0.01          0.00          0.00    317892.60
75928.59    550669.60     8200.00
  PALUXY          PALUXY RIVER   8402.57*      PF 1          759.97       759.95       0.01          0.00          0.00    309252.30
75646.31    559592.30     8150.00
  PALUXY          PALUXY RIVER   8356.71*      PF 1          759.97       759.95       0.01          0.00          0.00    300649.00
75346.05    568495.80     8100.00
  PALUXY          PALUXY RIVER   8310.85*      PF 1          759.97       759.95       0.01          0.00          0.00    292091.10
75029.22    577370.50     8050.00
  PALUXY          PALUXY RIVER   8265.*        PF 1          759.97       759.95       0.01          0.00          0.00    283584.50
74695.02    586211.30     8000.00
  PALUXY          PALUXY RIVER   8219.14*      PF 1          759.96       759.95       0.01          0.00          0.00    275125.80
74346.73    595018.30     7950.00
  PALUXY          PALUXY RIVER   8173.28*      PF 1          759.96       759.95       0.01          0.00          0.00    266717.90
73985.41    603787.40     7900.00
  PALUXY          PALUXY RIVER   8127.42*      PF 1          759.96       759.95       0.01          0.00          0.00    258373.80
73606.41    612510.60     7850.00
  PALUXY          PALUXY RIVER   8081.57*      PF 1          759.96       759.95       0.01          0.00          0.00    250089.80
73213.59    621187.40     7800.00
  PALUXY          PALUXY RIVER   8035.71*      PF 1          759.96       759.95       0.01          0.00          0.00    241880.30
72802.45    629808.10     7750.00
  PALUXY          PALUXY RIVER   7989.85*      PF 1          759.96       759.95       0.01          0.00          0.00    233735.80
72380.05    638374.90     7700.00
  PALUXY          PALUXY RIVER   7944          PF 1          759.96       759.95       0.01          0.02          0.00    225666.10
71941.65    646883.10     7650.00
  PALUXY          PALUXY RIVER   7080          PF 1          759.94       759.91       0.03          0.00          0.00    192935.80
149386.50    602168.40     5250.00
  PALUXY          PALUXY RIVER   7065.01*      PF 1          759.94       759.91       0.03          0.00          0.00    194350.90
149177.80    600962.00     5243.94
  PALUXY          PALUXY RIVER   7050.03*      PF 1          759.94       759.91       0.03          0.00          0.00    195768.70
148965.30    599756.80     5237.88
  PALUXY          PALUXY RIVER   7035.04*      PF 1          759.94       759.91       0.03          0.00          0.00    197195.60
148755.60    598539.60     5231.82
  PALUXY          PALUXY RIVER   7020.06*      PF 1          759.94       759.91       0.03          0.00          0.00    198628.80
148539.00    597323.00     5225.76
  PALUXY          PALUXY RIVER   7005.07*      PF 1          759.94       759.91       0.03          0.00          0.00    200066.10
148327.10    596097.60     5219.70
  PALUXY          PALUXY RIVER   6990.09*      PF 1          759.94       759.91       0.03          0.00          0.00    201515.80
148108.10    594866.90     5213.64
  PALUXY          PALUXY RIVER   6975.10*      PF 1          759.94       759.91       0.03          0.00          0.00    202967.30
147894.00    593629.50     5207.58
  PALUXY          PALUXY RIVER   6960.12*      PF 1          759.94       759.91       0.03          0.00          0.00    204425.80
147673.90    592391.10     5201.52
  PALUXY          PALUXY RIVER   6945.13*      PF 1          759.94       759.91       0.03          0.00          0.00    205890.70
147454.20    591145.90     5195.45
  PALUXY          PALUXY RIVER   6930.15*      PF 1          759.94       759.91       0.03          0.00          0.00    207365.70
147226.60    589898.60     5189.39
  PALUXY          PALUXY RIVER   6915.16*      PF 1          759.94       759.91       0.03          0.00          0.00    208847.30
147003.50    588640.10     5183.33
  PALUXY          PALUXY RIVER   6900.18*      PF 1          759.94       759.91       0.03          0.00          0.00    210331.40
146780.20    587379.30     5177.27
  PALUXY          PALUXY RIVER   6885.19*      PF 1          759.94       759.91       0.03          0.00          0.00    211827.80
146553.90    586109.20     5171.21
  PALUXY          PALUXY RIVER   6870.21*      PF 1          759.94       759.91       0.03          0.00          0.00    213324.50
146323.10    584843.10     5165.15
  PALUXY          PALUXY RIVER   6855.22*      PF 1          759.94       759.91       0.03          0.00          0.00    214833.00
146093.30    583564.50     5159.09
  PALUXY          PALUXY RIVER   6840.24*      PF 1          759.94       759.91       0.03          0.00          0.00    216350.60
145857.00    582283.30     5153.03
  PALUXY          PALUXY RIVER   6825.25*      PF 1          759.94       759.90       0.03          0.00          0.00    217868.40
145635.10    580987.30     5146.97
  PALUXY          PALUXY RIVER   6810.27*      PF 1          759.94       759.90       0.03          0.00          0.00    219396.30
145396.90    579697.60     5140.91
  PALUXY          PALUXY RIVER   6795.28*      PF 1          759.93       759.90       0.03          0.00          0.00    220931.30
145159.70    578399.80     5134.85
  PALUXY          PALUXY RIVER   6780.30*      PF 1          759.93       759.90       0.03          0.00          0.00    222466.50
144919.90    577104.30     5128.79
  PALUXY          PALUXY RIVER   6765.31*      PF 1          759.93       759.90       0.03          0.00          0.00    224012.70
144683.00    575795.10     5122.73
  PALUXY          PALUXY RIVER   6750.33*      PF 1          759.93       759.90       0.03          0.00          0.00    225573.20
144442.60    574475.10     5116.67
  PALUXY          PALUXY RIVER   6735.34*      PF 1          759.93       759.90       0.03          0.00          0.00    227131.80
144203.30    573155.80     5110.61
  PALUXY          PALUXY RIVER   6720.36*      PF 1          759.93       759.90       0.03          0.00          0.00    228699.90
143956.30    571834.70     5104.55
  PALUXY          PALUXY RIVER   6705.37*      PF 1          759.93       759.90       0.03          0.00          0.00    230267.30
143713.70    570509.80     5098.48
  PALUXY          PALUXY RIVER   6690.39*      PF 1          759.93       759.90       0.03          0.00          0.00    231858.50
143464.80    569167.50     5092.42
  PALUXY          PALUXY RIVER   6675.40*      PF 1          759.93       759.90       0.03          0.00          0.00    233443.50
143220.90    567826.40     5086.36
  PALUXY          PALUXY RIVER   6660.42*      PF 1          759.93       759.90       0.03          0.00          0.00    235035.80
142970.50    566484.60     5080.30
  PALUXY          PALUXY RIVER   6645.43*      PF 1          759.93       759.90       0.03          0.00          0.00    236637.00
142720.10    565133.80     5074.24
  PALUXY          PALUXY RIVER   6630.45*      PF 1          759.93       759.90       0.03          0.00          0.00    238247.20
142467.00    563776.70     5068.18
  PALUXY          PALUXY RIVER   6615.47*      PF 1          759.93       759.90       0.03          0.00          0.00    239856.50
142214.30    562420.10     5062.12
  PALUXY          PALUXY RIVER   6600.48*      PF 1          759.93       759.90       0.03          0.00          0.00    241485.20
141958.90    561046.70     5056.06
  PALUXY          PALUXY RIVER   6585.5*       PF 1          759.93       759.90       0.03          0.00          0.00    243111.90
141702.60    559676.40     5050.00
  PALUXY          PALUXY RIVER   6570.51*      PF 1          759.93       759.90       0.03          0.00          0.00    244749.10
141444.40    558297.30     5043.94
  PALUXY          PALUXY RIVER   6555.53*      PF 1          759.93       759.90       0.03          0.00          0.00    246394.30
141184.60    556911.90     5037.88
  PALUXY          PALUXY RIVER   6540.54*      PF 1          759.93       759.90       0.03          0.00          0.00    248039.40
140925.20    555526.30     5031.82
  PALUXY          PALUXY RIVER   6525.56*      PF 1          759.93       759.90       0.03          0.00          0.00    249693.30
140659.20    554138.30     5025.76
  PALUXY          PALUXY RIVER   6510.57*      PF 1          759.93       759.89       0.03          0.00          0.00    251359.30
140395.60    552735.90     5019.70
  PALUXY          PALUXY RIVER   6495.59*      PF 1          759.93       759.89       0.03          0.00          0.00    253029.30
140129.50    551331.90     5013.64
  PALUXY          PALUXY RIVER   6480.60*      PF 1          759.93       759.89       0.03          0.00          0.00    254701.20
139865.90    549923.60     5007.58
  PALUXY          PALUXY RIVER   6465.62*      PF 1          759.93       759.89       0.03          0.00          0.00    256385.70
139595.70    548509.40     5001.52
  PALUXY          PALUXY RIVER   6450.63*      PF 1          759.92       759.89       0.03          0.00          0.00    258073.70
139325.60    547091.60     4995.45
  PALUXY          PALUXY RIVER   6435.65*      PF 1          759.92       759.89       0.03          0.00          0.00    259771.90
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139051.30    545667.60     4989.39
  PALUXY         PALUXY RIVER   6420.66*      PF 1          759.92       759.89       0.03          0.00          0.00     261475.80
138779.60    544235.40     4983.33
  PALUXY         PALUXY RIVER   6405.68*      PF 1          759.92       759.89       0.03          0.00          0.00     263187.80
138503.60    542799.40     4977.27
  PALUXY         PALUXY RIVER   6390.69*      PF 1          759.92       759.89       0.03          0.00          0.00     264901.60
138229.10    541360.10     4971.21
  PALUXY         PALUXY RIVER   6375.71*      PF 1          759.92       759.89       0.03          0.00          0.00     266624.80
137948.40    539917.60     4965.15
  PALUXY         PALUXY RIVER   6360.72*      PF 1          759.92       759.89       0.03          0.00          0.00     268362.00
137668.40    538460.40     4959.09
  PALUXY         PALUXY RIVER   6345.74*      PF 1          759.92       759.89       0.03          0.00          0.00     270098.80
137382.10    537009.90     4953.03
  PALUXY         PALUXY RIVER   6330.75*      PF 1          759.92       759.89       0.03          0.00          0.00     271839.40
137110.80    535540.70     4946.97
  PALUXY         PALUXY RIVER   6315.77*      PF 1          759.92       759.89       0.03          0.00          0.00     273591.40
136821.50    534078.00     4940.91
  PALUXY         PALUXY RIVER   6300.78*      PF 1          759.92       759.89       0.03          0.00          0.00     275353.50
136536.20    532601.10     4934.85
  PALUXY         PALUXY RIVER   6285.80*      PF 1          759.92       759.89       0.03          0.00          0.00     277116.10
136245.70    531129.10     4928.79
  PALUXY         PALUXY RIVER   6270.81*      PF 1          759.92       759.89       0.03          0.00          0.00     278885.60
135959.20    529646.00     4922.73
  PALUXY         PALUXY RIVER   6255.83*      PF 1          759.92       759.89       0.03          0.00          0.00     280664.50
135669.00    528157.30     4916.67
  PALUXY         PALUXY RIVER   6240.84*      PF 1          759.92       759.89       0.03          0.00          0.00     282443.80
135379.10    526668.00     4910.61
  PALUXY         PALUXY RIVER   6225.86*      PF 1          759.92       759.89       0.03          0.00          0.00     284245.30
135080.50    525165.00     4904.55
  PALUXY         PALUXY RIVER   6210.87*      PF 1          759.92       759.88       0.03          0.00          0.00     286038.00
134787.70    523665.10     4898.49
  PALUXY         PALUXY RIVER   6195.89*      PF 1          759.92       759.88       0.03          0.00          0.00     287843.90
134490.90    522156.00     4892.42
  PALUXY         PALUXY RIVER   6180.91*      PF 1          759.92       759.88       0.03          0.00          0.00     289653.80
134194.70    520642.30     4886.36
  PALUXY         PALUXY RIVER   6165.92*      PF 1          759.92       759.88       0.03          0.00          0.00     291474.10
133894.70    519122.00     4880.30
  PALUXY         PALUXY RIVER   6150.94*      PF 1          759.92       759.88       0.03          0.00          0.00     293299.70
133595.20    517595.90     4874.24
  PALUXY         PALUXY RIVER   6135.95*      PF 1          759.92       759.88       0.03          0.00          0.00     295133.10
133290.40    516067.30     4868.18
  PALUXY         PALUXY RIVER   6120.97*      PF 1          759.91       759.88       0.03          0.00          0.00     296970.20
132987.60    514533.10     4862.12
  PALUXY         PALUXY RIVER   6105.98*      PF 1          759.91       759.88       0.03          0.00          0.00     298815.40
132680.90    512994.50     4856.06
  PALUXY         PALUXY RIVER   6091.00*      PF 1          759.91       759.88       0.03          0.00          0.00     300668.00
132374.90    511447.90     4850.00
  PALUXY         PALUXY RIVER   6076.01*      PF 1          759.91       759.88       0.03          0.00          0.00     302529.10
132066.70    509895.00     4843.94
  PALUXY         PALUXY RIVER   6061.03*      PF 1          759.91       759.88       0.03          0.00          0.00     304395.80
131755.40    508339.60     4837.88
  PALUXY         PALUXY RIVER   6046.04*      PF 1          759.91       759.88       0.03          0.00          0.00     306261.30
131445.80    506783.80     4831.82
  PALUXY         PALUXY RIVER   6031.06*      PF 1          759.91       759.88       0.03          0.00          0.00     308146.10
131130.20    505214.60     4825.76
  PALUXY         PALUXY RIVER   6016.07*      PF 1          759.91       759.88       0.03          0.00          0.00     310033.80
130815.50    503641.50     4819.70
  PALUXY         PALUXY RIVER   6001.09*      PF 1          759.91       759.88       0.03          0.00          0.00     311922.20
130499.90    502068.70     4813.64
  PALUXY         PALUXY RIVER   5986.10*      PF 1          759.91       759.88       0.03          0.00          0.00     313825.30
130184.70    500480.80     4807.58
  PALUXY         PALUXY RIVER   5971.12*      PF 1          759.91       759.88       0.03          0.00          0.00     315731.60
129862.50    498896.70     4801.52
  PALUXY         PALUXY RIVER   5956.13*      PF 1          759.91       759.88       0.03          0.00          0.00     317637.70
129544.00    497309.20     4795.46
  PALUXY         PALUXY RIVER   5941.15*      PF 1          759.91       759.88       0.03          0.00          0.00     319561.50
129217.20    495712.10     4789.39
  PALUXY         PALUXY RIVER   5926.16*      PF 1          759.91       759.88       0.03          0.00          0.00     321488.30
128894.40    494108.10     4783.33
  PALUXY         PALUXY RIVER   5911.18*      PF 1          759.91       759.88       0.03          0.00          0.00     323418.80
128569.50    492502.50     4777.27
  PALUXY         PALUXY RIVER   5896.19*      PF 1          759.91       759.87       0.03          0.00          0.00     325360.10
128244.20    490886.50     4771.21
  PALUXY         PALUXY RIVER   5881.21*      PF 1          759.91       759.87       0.03          0.00          0.00     327301.60
127912.70    489276.40     4765.15
  PALUXY         PALUXY RIVER   5866.22*      PF 1          759.91       759.87       0.03          0.00          0.00     329258.30
127582.80    487649.70     4759.09
  PALUXY         PALUXY RIVER   5851.24*      PF 1          759.91       759.87       0.03          0.00          0.00     331214.80
127245.90    486030.10     4753.03
  PALUXY         PALUXY RIVER   5836.25*      PF 1          759.91       759.87       0.03          0.00          0.00     333181.50
126922.70    484386.60     4746.97
  PALUXY         PALUXY RIVER   5821.27*      PF 1          759.91       759.87       0.03          0.00          0.00     335156.00
126583.50    482751.40     4740.91
  PALUXY         PALUXY RIVER   5806.29*      PF 1          759.91       759.87       0.03          0.00          0.00     337131.80
126250.50    481108.50     4734.85
  PALUXY         PALUXY RIVER   5791.30*      PF 1          759.91       759.87       0.03          0.00          0.00     339119.70
125906.30    479464.80     4728.79
  PALUXY         PALUXY RIVER   5776.32*      PF 1          759.90       759.87       0.03          0.00          0.00     341110.00
125569.10    477811.70     4722.73
  PALUXY         PALUXY RIVER   5761.33*      PF 1          759.90       759.87       0.03          0.00          0.00     343104.30
125229.00    476157.50     4716.67
  PALUXY         PALUXY RIVER   5746.35*      PF 1          759.90       759.87       0.03          0.00          0.00     345122.10
124886.60    474482.10     4710.61
  PALUXY         PALUXY RIVER   5731.36*      PF 1          759.90       759.87       0.03          0.00          0.00     347129.80
124543.30    472817.70     4704.55
  PALUXY         PALUXY RIVER   5716.38*      PF 1          759.90       759.87       0.03          0.00          0.00     349142.70
124196.30    471151.80     4698.49
  PALUXY         PALUXY RIVER   5701.39*      PF 1          759.90       759.87       0.03          0.00          0.00     351164.60
123847.50    469478.80     4692.42
  PALUXY         PALUXY RIVER   5686.41*      PF 1          759.90       759.87       0.03          0.00          0.00     353199.60
123501.00    467790.20     4686.36
  PALUXY         PALUXY RIVER   5671.42*      PF 1          759.90       759.87       0.03          0.00          0.00     355238.40
123150.80    466101.70     4680.30
  PALUXY         PALUXY RIVER   5656.44*      PF 1          759.90       759.87       0.03          0.00          0.00     357281.20
122801.40    464408.20     4674.24
  PALUXY         PALUXY RIVER   5641.45*      PF 1          759.90       759.87       0.03          0.00          0.00     359332.90
122445.00    462712.80     4668.18
  PALUXY         PALUXY RIVER   5626.47*      PF 1          759.90       759.86       0.03          0.00          0.00     361388.60
122091.40    461010.80     4662.12
  PALUXY         PALUXY RIVER   5611.48*      PF 1          759.90       759.86       0.03          0.00          0.00     363452.50
121737.20    459301.10     4656.06
  PALUXY         PALUXY RIVER   5596.50*      PF 1          759.90       759.86       0.03          0.00          0.00     365523.80
121378.80    457588.20     4650.00
  PALUXY         PALUXY RIVER   5581.51*      PF 1          759.90       759.86       0.03          0.00          0.00     367599.70
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121020.80    455870.30     4643.94
  PALUXY         PALUXY RIVER   5566.53*      PF 1          759.90       759.86       0.03          0.00          0.00     369682.10
120658.80    454149.90     4637.88
  PALUXY         PALUXY RIVER   5551.54*      PF 1          759.90       759.86       0.03          0.00          0.00     371771.70
120298.00    452421.20     4631.82
  PALUXY         PALUXY RIVER   5536.56*      PF 1          759.90       759.86       0.03          0.00          0.00     373862.10
119932.80    450695.90     4625.76
  PALUXY         PALUXY RIVER   5521.57*      PF 1          759.90       759.86       0.03          0.00          0.00     375963.40
119568.60    448958.80     4619.70
  PALUXY         PALUXY RIVER   5506.59*      PF 1          759.90       759.86       0.03          0.00          0.00     378076.80
119202.00    447212.10     4613.64
  PALUXY         PALUXY RIVER   5491.60*      PF 1          759.89       759.86       0.03          0.00          0.00     380191.20
118837.30    445462.30     4607.58
  PALUXY         PALUXY RIVER   5476.62*      PF 1          759.89       759.86       0.03          0.00          0.00     382311.60
118465.60    443713.60     4601.52
  PALUXY         PALUXY RIVER   5461.63*      PF 1          759.89       759.86       0.03          0.00          0.00     384430.60
118096.60    441963.60     4595.46
  PALUXY         PALUXY RIVER   5446.65*      PF 1          759.89       759.86       0.04          0.00          0.00     386572.60
117719.40    440198.80     4589.40
  PALUXY         PALUXY RIVER   5431.66*      PF 1          759.89       759.86       0.04          0.00          0.00     388714.00
117346.70    438430.10     4583.33
  PALUXY         PALUXY RIVER   5416.68*      PF 1          759.89       759.86       0.04          0.00          0.00     390853.20
116971.60    436666.00     4577.27
  PALUXY         PALUXY RIVER   5401.69*      PF 1          759.89       759.86       0.04          0.00          0.00     393012.00
116594.10    434884.70     4571.21
  PALUXY         PALUXY RIVER   5386.71*      PF 1          759.89       759.86       0.04          0.00          0.00     395163.50
116215.40    433111.90     4565.15
  PALUXY         PALUXY RIVER   5371.72*      PF 1          759.89       759.86       0.04          0.00          0.00     397327.50
115835.30    431327.90     4559.09
  PALUXY         PALUXY RIVER   5356.74*      PF 1          759.89       759.86       0.04          0.00          0.00     399502.90
115448.90    429539.10     4553.03
  PALUXY         PALUXY RIVER   5341.76*      PF 1          759.89       759.85       0.04          0.00          0.00     401675.90
115073.80    427741.10     4546.97
  PALUXY         PALUXY RIVER   5326.77*      PF 1          759.89       759.85       0.04          0.00          0.00     403862.80
114687.10    425941.00     4540.91
  PALUXY         PALUXY RIVER   5311.79*      PF 1          759.89       759.85       0.04          0.00          0.00     406049.90
114304.30    424136.60     4534.85
  PALUXY         PALUXY RIVER   5296.80*      PF 1          759.89       759.85       0.04          0.00          0.00     408245.60
113910.90    422334.30     4528.79
  PALUXY         PALUXY RIVER   5281.82*      PF 1          759.89       759.85       0.04          0.00          0.00     410445.00
113524.30    420521.50     4522.73
  PALUXY         PALUXY RIVER   5266.83*      PF 1          759.89       759.85       0.04          0.00          0.00     412657.20
113133.70    418700.00     4516.67
  PALUXY         PALUXY RIVER   5251.85*      PF 1          759.89       759.85       0.04          0.00          0.00     414869.30
112742.50    416878.90     4510.61
  PALUXY         PALUXY RIVER   5236.86*      PF 1          759.89       759.85       0.04          0.00          0.00     417086.10
112349.30    415055.40     4504.55
  PALUXY         PALUXY RIVER   5221.88*      PF 1          759.89       759.85       0.04          0.00          0.00     419311.20
111954.50    413225.10     4498.49
  PALUXY         PALUXY RIVER   5206.89*      PF 1          759.89       759.85       0.04          0.00          0.00     421551.10
111555.50    411384.20     4492.43
  PALUXY         PALUXY RIVER   5191.91*      PF 1          759.88       759.85       0.04          0.00          0.00     423779.10
111162.40    409549.30     4486.36
  PALUXY         PALUXY RIVER   5176.92*      PF 1          759.88       759.85       0.04          0.00          0.00     426026.80
110758.30    407705.70     4480.30
  PALUXY         PALUXY RIVER   5161.94*      PF 1          759.88       759.85       0.04          0.00          0.00     428275.70
110364.50    405850.70     4474.24
  PALUXY         PALUXY RIVER   5146.95*      PF 1          759.88       759.85       0.04          0.00          0.00     430532.50
109958.60    403999.80     4468.18
  PALUXY         PALUXY RIVER   5131.97*      PF 1          759.88       759.85       0.04          0.00          0.00     432789.30
109555.90    402145.60     4462.12
  PALUXY         PALUXY RIVER   5116.98*      PF 1          759.88       759.85       0.04          0.00          0.00     435062.70
109151.10    400277.00     4456.06
  PALUXY         PALUXY RIVER   5102          PF 1          759.88       759.85       0.04          0.00          0.00     437334.70
108745.10    398411.10     4450.00
  PALUXY         LOWER PALUXY   3838          PF 1          759.87       759.79       0.08          0.01          0.00     991071.10
153379.70     43832.27     4150.00
  PALUXY         LOWER PALUXY   3739.53*      PF 1          759.87       759.79       0.08          0.01          0.00     986411.30
155205.40     46666.29     4203.85
  PALUXY         LOWER PALUXY   3641.07*      PF 1          759.86       759.78       0.08          0.01          0.00     982188.90
156988.90     49105.21     4257.69
  PALUXY         LOWER PALUXY   3542.61*      PF 1          759.85       759.77       0.08          0.01          0.00     978377.10
158742.00     51163.93     4311.54
  PALUXY         LOWER PALUXY   3444.15*      PF 1          759.84       759.77       0.07          0.01          0.00     974940.60
160457.10     52885.22     4365.38
  PALUXY         LOWER PALUXY   3345.69*      PF 1          759.84       759.76       0.07          0.01          0.00     971860.00
162140.50     54282.55     4419.23
  PALUXY         LOWER PALUXY   3247.23*      PF 1          759.83       759.76       0.07          0.01          0.00     969109.80
163799.70     55373.45     4473.08
  PALUXY         LOWER PALUXY   3148.76*      PF 1          759.82       759.75       0.07          0.01          0.00     966662.60
165445.10     56175.36     4526.92
  PALUXY         LOWER PALUXY   3050.30*      PF 1          759.81       759.74       0.07          0.01          0.00     964515.70
167058.80     56708.59     4580.77
  PALUXY         LOWER PALUXY   2951.84*      PF 1          759.81       759.74       0.07          0.01          0.00     962642.80
168643.80     56996.48     4634.62
  PALUXY         LOWER PALUXY   2853.38*      PF 1          759.80       759.73       0.07          0.01          0.00     961035.60
170210.30     57037.00     4688.46
  PALUXY         LOWER PALUXY   2754.92*      PF 1          759.79       759.73       0.07          0.01          0.00     959650.80
171763.30     56868.94     4742.31
  PALUXY         LOWER PALUXY   2656.46*      PF 1          759.79       759.72       0.07          0.01          0.00     958517.40
173283.80     56481.82     4796.15
  PALUXY         LOWER PALUXY   2558          PF 1          759.78       759.72       0.07          0.00          0.00     957583.90
174793.50     55905.64     4850.00
  PALUXY         LOWER PALUXY   2533.24*      PF 1          759.78       759.71       0.07          0.00          0.00     955745.60
174949.60     57587.81     4874.24
  PALUXY         LOWER PALUXY   2508.48*      PF 1          759.78       759.71       0.07          0.00          0.00     953904.60
175095.60     59282.87     4898.48
  PALUXY         LOWER PALUXY   2483.72*      PF 1          759.78       759.71       0.06          0.00          0.00     952046.80
175237.10     60999.08     4922.73
  PALUXY         LOWER PALUXY   2458.97*      PF 1          759.78       759.71       0.06          0.00          0.00     950185.30
175369.30     62728.39     4946.97
  PALUXY         LOWER PALUXY   2434.21*      PF 1          759.77       759.71       0.06          0.00          0.00     948298.20
175507.90     64476.87     4971.21
  PALUXY         LOWER PALUXY   2409.45*      PF 1          759.77       759.71       0.06          0.00          0.00     946405.30
175631.10     66246.60     4995.45
  PALUXY         LOWER PALUXY   2384.69*      PF 1          759.77       759.71       0.06          0.00          0.00     944504.60
175757.50     68021.02     5019.70
  PALUXY         LOWER PALUXY   2359.93*      PF 1          759.77       759.71       0.06          0.00          0.00     942586.90
175869.80     69826.28     5043.94
  PALUXY         LOWER PALUXY   2335.18*      PF 1          759.77       759.71       0.06          0.00          0.00     940665.40
175985.50     71632.05     5068.18
  PALUXY         LOWER PALUXY   2310.42*      PF 1          759.77       759.70       0.06          0.00          0.00     938732.20
176089.40     73461.36     5092.42
  PALUXY         LOWER PALUXY   2285.66*      PF 1          759.76       759.70       0.06          0.00          0.00     936787.10
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176190.60     75305.31     5116.67
  PALUXY         LOWER PALUXY   2260.90*      PF 1          759.76       759.70       0.06          0.00          0.00     934831.90
176283.60     77167.57     5140.91
  PALUXY         LOWER PALUXY   2236.15*      PF 1          759.76       759.70       0.06          0.00          0.00     932853.40
176384.60     79044.99     5165.15
  PALUXY         LOWER PALUXY   2211.39*      PF 1          759.76       759.70       0.06          0.00          0.00     930883.20
176465.00     80934.77     5189.39
  PALUXY         LOWER PALUXY   2186.63*      PF 1          759.76       759.70       0.06          0.00          0.00     928885.80
176554.30     82842.94     5213.64
  PALUXY         LOWER PALUXY   2161.87*      PF 1          759.76       759.70       0.06          0.00          0.00     926890.90
176625.80     84766.30     5237.88
  PALUXY         LOWER PALUXY   2137.12*      PF 1          759.76       759.70       0.06          0.00          0.00     924876.80
176703.70     86702.55     5262.12
  PALUXY         LOWER PALUXY   2112.36*      PF 1          759.75       759.69       0.06          0.00          0.00     922863.40
176761.70     88657.84     5286.36
  PALUXY         LOWER PALUXY   2087.60*      PF 1          759.75       759.69       0.06          0.00          0.00     920828.10
176833.20     90621.64     5310.61
  PALUXY         LOWER PALUXY   2062.84*      PF 1          759.75       759.69       0.06          0.00          0.00     918793.30
176882.10     92607.52     5334.85
  PALUXY         LOWER PALUXY   2038.09*      PF 1          759.75       759.69       0.06          0.00          0.00     916734.40
176945.40     94603.23     5359.09
  PALUXY         LOWER PALUXY   2013.33*      PF 1          759.75       759.69       0.06          0.00          0.00     914676.10
176990.70     96616.23     5383.33
  PALUXY         LOWER PALUXY   1988.57*      PF 1          759.75       759.69       0.06          0.00          0.00     912606.10
177035.00     98641.79     5407.58
  PALUXY         LOWER PALUXY   1963.81*      PF 1          759.75       759.69       0.06          0.00          0.00     910530.30
177071.00    100681.80     5431.82
  PALUXY         LOWER PALUXY   1939.06*      PF 1          759.74       759.69       0.06          0.00          0.00     908441.80
177105.40    102735.80     5456.06
  PALUXY         LOWER PALUXY   1914.30*      PF 1          759.74       759.69       0.06          0.00          0.00     906341.10
177130.80    104811.00     5480.30
  PALUXY         LOWER PALUXY   1889.54*      PF 1          759.74       759.68       0.06          0.00          0.00     904234.50
177159.60    106889.00     5504.55
  PALUXY         LOWER PALUXY   1864.78*      PF 1          759.74       759.68       0.06          0.00          0.00     902124.20
177176.70    108982.10     5528.79
  PALUXY         LOWER PALUXY   1840.03*      PF 1          759.74       759.68       0.06          0.00          0.00     899988.60
177197.90    111096.40     5553.03
  PALUXY         LOWER PALUXY   1815.27*      PF 1          759.74       759.68       0.06          0.00          0.00     897855.90
177205.20    113221.90     5577.27
  PALUXY         LOWER PALUXY   1790.51*      PF 1          759.74       759.68       0.06          0.00          0.00     895713.30
177212.80    115356.90     5601.52
  PALUXY         LOWER PALUXY   1765.75*      PF 1          759.73       759.68       0.05          0.00          0.00     893564.90
177208.50    117509.60     5625.76
  PALUXY         LOWER PALUXY   1741.*        PF 1          759.73       759.68       0.05          0.00          0.00     891404.50
177209.20    119669.30     5650.00
  PALUXY         LOWER PALUXY   1716.24*      PF 1          759.73       759.68       0.05          0.00          0.00     889235.10
177204.60    121843.40     5674.24
  PALUXY         LOWER PALUXY   1691.48*      PF 1          759.73       759.68       0.05          0.00          0.00     887054.60
177191.10    124037.30     5698.48
  PALUXY         LOWER PALUXY   1666.72*      PF 1          759.73       759.68       0.05          0.00          0.00     884876.40
177176.40    126230.10     5722.73
  PALUXY         LOWER PALUXY   1641.97*      PF 1          759.73       759.67       0.05          0.00          0.00     882683.20
177149.20    128450.60     5746.97
  PALUXY         LOWER PALUXY   1617.21*      PF 1          759.73       759.67       0.05          0.00          0.00     880479.60
177130.90    130672.60     5771.21
  PALUXY         LOWER PALUXY   1592.45*      PF 1          759.72       759.67       0.05          0.00          0.00     878271.90
177094.50    132916.50     5795.45
  PALUXY         LOWER PALUXY   1567.69*      PF 1          759.72       759.67       0.05          0.00          0.00     876051.80
177061.70    135169.40     5819.70
  PALUXY         LOWER PALUXY   1542.94*      PF 1          759.72       759.67       0.05          0.00          0.00     873834.40
177018.20    137430.40     5843.94
  PALUXY         LOWER PALUXY   1518.18*      PF 1          759.72       759.67       0.05          0.00          0.00     871592.90
176979.50    139710.60     5868.18
  PALUXY         LOWER PALUXY   1493.42*      PF 1          759.72       759.67       0.05          0.00          0.00     869365.10
176926.30    141991.70     5892.42
  PALUXY         LOWER PALUXY   1468.66*      PF 1          759.72       759.67       0.05          0.00          0.00     867122.70
176877.30    144283.00     5916.67
  PALUXY         LOWER PALUXY   1443.91*      PF 1          759.72       759.67       0.05          0.00          0.00     864869.60
176814.70    146598.70     5940.91
  PALUXY         LOWER PALUXY   1419.15*      PF 1          759.72       759.67       0.05          0.00          0.00     862608.40
176761.50    148913.20     5965.15
  PALUXY         LOWER PALUXY   1394.39*      PF 1          759.71       759.66       0.05          0.00          0.00     860349.90
176686.10    151247.10     5989.39
  PALUXY         LOWER PALUXY   1369.63*      PF 1          759.71       759.66       0.05          0.00          0.00     858071.10
176624.80    153587.20     6013.64
  PALUXY         LOWER PALUXY   1344.87*      PF 1          759.71       759.66       0.05          0.00          0.00     855798.80
176545.50    155938.70     6037.88
  PALUXY         LOWER PALUXY   1320.12*      PF 1          759.71       759.66       0.05          0.00          0.00     853508.10
176472.20    158302.80     6062.12
  PALUXY         LOWER PALUXY   1295.36*      PF 1          759.71       759.66       0.05          0.00          0.00     851221.70
176383.70    160677.70     6086.36
  PALUXY         LOWER PALUXY   1270.60*      PF 1          759.71       759.66       0.05          0.00          0.00     848913.30
176304.40    163065.30     6110.61
  PALUXY         LOWER PALUXY   1245.84*      PF 1          759.71       759.66       0.05          0.00          0.00     846625.80
176205.90    165451.40     6134.85
  PALUXY         LOWER PALUXY   1221.09*      PF 1          759.71       759.66       0.05          0.00          0.00     844313.20
176117.90    167851.80     6159.09
  PALUXY         LOWER PALUXY   1196.33*      PF 1          759.70       759.66       0.05          0.00          0.00     842003.60
176014.30    170265.10     6183.33
  PALUXY         LOWER PALUXY   1171.57*      PF 1          759.70       759.66       0.05          0.00          0.00     839678.10
175917.00    172687.90     6207.58
  PALUXY         LOWER PALUXY   1146.81*      PF 1          759.70       759.66       0.05          0.00          0.00     837357.90
175803.50    175121.60     6231.82
  PALUXY         LOWER PALUXY   1122.06*      PF 1          759.70       759.65       0.05          0.00          0.00     835026.10
175696.60    177560.20     6256.06
  PALUXY         LOWER PALUXY   1097.30*      PF 1          759.70       759.65       0.05          0.00          0.00     832698.00
175579.30    180005.80     6280.30
  PALUXY         LOWER PALUXY   1072.54*      PF 1          759.70       759.65       0.05          0.00          0.00     830351.50
175464.00    182467.50     6304.54
  PALUXY         LOWER PALUXY   1047.78*      PF 1          759.70       759.65       0.04          0.00          0.00     828014.20
175333.60    184935.20     6328.79
  PALUXY         LOWER PALUXY   1023.03*      PF 1          759.70       759.65       0.04          0.00          0.00     825662.10
175216.90    187404.10     6353.03
  PALUXY         LOWER PALUXY   998.273*      PF 1          759.69       759.65       0.04          0.00          0.00     823304.80
175081.40    189896.90     6377.27
  PALUXY         LOWER PALUXY   973.516*      PF 1          759.69       759.65       0.04          0.00          0.00     820948.60
174950.30    192384.20     6401.51
  PALUXY         LOWER PALUXY   948.758*      PF 1          759.69       759.65       0.04          0.00          0.00     818590.40
174810.00    194882.60     6425.76
  PALUXY         LOWER PALUXY   924           PF 1          759.69       759.65       0.04          0.00          0.00     816221.10
174671.70    197390.20     6450.00
  PALUXY         LOWER PALUXY   921.058*      PF 1          759.69       759.65       0.04          0.00          0.00     816189.80
174710.80    197382.40     6450.00
  PALUXY         LOWER PALUXY   918.117*      PF 1          759.69       759.65       0.04          0.00          0.00     816158.40
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174750.10    197374.50     6450.00
  PALUXY         LOWER PALUXY   915.176*      PF 1          759.69      759.65       0.04          0.00          0.00    816127.20
174789.10    197366.70     6450.00
  PALUXY         LOWER PALUXY   912.235*      PF 1          759.69      759.65       0.04          0.00          0.00    816095.90
174828.30    197358.80     6450.00
  PALUXY         LOWER PALUXY   909.294*      PF 1          759.69      759.65       0.04          0.00          0.00    816069.90
174860.80    197352.30     6450.00
  PALUXY         LOWER PALUXY   906.353*      PF 1          759.69      759.65       0.04          0.00          0.00    816038.60
174899.90    197344.50     6450.00
  PALUXY         LOWER PALUXY   903.411*      PF 1          759.69      759.65       0.04          0.00          0.00    816007.40
174939.00    197336.60     6450.00
  PALUXY         LOWER PALUXY   900.470*      PF 1          759.69      759.65       0.04          0.00          0.00    815976.20
174978.00    197328.80     6450.00
  PALUXY         LOWER PALUXY   897.529*      PF 1          759.69      759.65       0.04          0.00          0.00    815944.90
175017.20    197320.90     6450.00
  PALUXY         LOWER PALUXY   894.588*      PF 1          759.69      759.65       0.04          0.00          0.00    815913.80
175056.20    197313.10     6450.00
  PALUXY         LOWER PALUXY   891.647*      PF 1          759.69      759.65       0.04          0.00          0.00    815882.50
175095.20    197305.30     6450.00
  PALUXY         LOWER PALUXY   888.705*      PF 1          759.69      759.65       0.04          0.00          0.00    815851.30
175134.30    197297.40     6450.00
  PALUXY         LOWER PALUXY   885.764*      PF 1          759.69      759.65       0.04          0.00          0.00    815825.40
175166.80    197290.90     6450.00
  PALUXY         LOWER PALUXY   882.823*      PF 1          759.69      759.65       0.04          0.00          0.00    815794.10
175205.80    197283.10     6450.00
  PALUXY         LOWER PALUXY   879.882*      PF 1          759.69      759.65       0.04          0.00          0.00    815763.00
175244.80    197275.20     6450.00
  PALUXY         LOWER PALUXY   876.941*      PF 1          759.69      759.65       0.04          0.00          0.00    815731.80
175283.80    197267.40     6450.00
  PALUXY         LOWER PALUXY   874           PF 1          759.69      759.65       0.04          0.04          0.01    815700.60
175322.80    197259.60     6450.00
  BRAZOS RIVER   LOWER BRAZOS   268430        PF 1          759.64      759.50       0.14          0.00          0.00   4907953.00
375163.00   2720017.00    45259.88
  BRAZOS RIVER   LOWER BRAZOS   268425.*      PF 1          759.64      759.50       0.14          0.00          0.00   4908715.00
375345.10   2719073.00    45266.58
  BRAZOS RIVER   LOWER BRAZOS   268420.*      PF 1          759.64      759.49       0.14          0.00          0.00   4909450.00
375535.60   2718148.00    45273.27
  BRAZOS RIVER   LOWER BRAZOS   268415.*      PF 1          759.64      759.49       0.14          0.00          0.00   4910179.00
375724.40   2717231.00    45280.13
  BRAZOS RIVER   LOWER BRAZOS   268410.*      PF 1          759.63      759.49       0.14          0.00          0.00   4910924.00
375913.20   2716296.00    45286.73
  BRAZOS RIVER   LOWER BRAZOS   268405.*      PF 1          759.63      759.49       0.14          0.00          0.00   4911633.00
376102.30   2715399.00    45293.58
  BRAZOS RIVER   LOWER BRAZOS   268400.*      PF 1          759.63      759.49       0.14          0.00          0.00   4912410.00
376288.00   2714436.00    45300.16
  BRAZOS RIVER   LOWER BRAZOS   268395.*      PF 1          759.63      759.49       0.14          0.00          0.00   4913242.00
376459.00   2713433.00    45306.95
  BRAZOS RIVER   LOWER BRAZOS   268390.*      PF 1          759.63      759.49       0.14          0.00          0.00   4913855.00
376662.10   2712616.00    45313.62
  BRAZOS RIVER   LOWER BRAZOS   268385.*      PF 1          759.63      759.48       0.14          0.00          0.00   4914669.00
376838.20   2711626.00    45320.40
  BRAZOS RIVER   LOWER BRAZOS   268380.*      PF 1          759.63      759.48       0.14          0.00          0.00   4915439.00
377038.50   2710656.00    45327.16
  BRAZOS RIVER   LOWER BRAZOS   268375.*      PF 1          759.62      759.48       0.14          0.00          0.00   4916227.00
377218.50   2709688.00    45333.75
  BRAZOS RIVER   LOWER BRAZOS   268370.*      PF 1          759.62      759.48       0.14          0.00          0.00   4916870.00
377411.60   2708852.00    45340.60
  BRAZOS RIVER   LOWER BRAZOS   268365.*      PF 1          759.62      759.48       0.14          0.00          0.00   4917655.00
377599.30   2707879.00    45347.28
  BRAZOS RIVER   LOWER BRAZOS   268360.*      PF 1          759.62      759.48       0.14          0.00          0.00   4918394.00
377786.20   2706953.00    45353.97
  BRAZOS RIVER   LOWER BRAZOS   268355.*      PF 1          759.62      759.47       0.14          0.00          0.00   4919144.00
377963.20   2706026.00    45360.64
  BRAZOS RIVER   LOWER BRAZOS   268350.*      PF 1          759.62      759.47       0.14          0.00          0.00   4919910.00
378159.30   2705064.00    45367.41
  BRAZOS RIVER   LOWER BRAZOS   268345.*      PF 1          759.62      759.47       0.14          0.00          0.00   4920637.00
378360.10   2704136.00    45374.26
  BRAZOS RIVER   LOWER BRAZOS   268340.*      PF 1          759.61      759.47       0.14          0.00          0.00   4921363.00
378553.30   2703217.00    45380.84
  BRAZOS RIVER   LOWER BRAZOS   268335.*      PF 1          759.61      759.47       0.14          0.00          0.00   4922115.00
378724.50   2702294.00    45387.61
  BRAZOS RIVER   LOWER BRAZOS   268330.*      PF 1          759.61      759.47       0.14          0.00          0.00   4922901.00
378922.30   2701310.00    45394.27
  BRAZOS RIVER   LOWER BRAZOS   268325.*      PF 1          759.61      759.47       0.14          0.00          0.00   4923611.00
379108.40   2700414.00    45400.95
  BRAZOS RIVER   LOWER BRAZOS   268320.*      PF 1          759.61      759.46       0.14          0.00          0.00   4924367.00
379320.00   2699446.00    45407.62
  BRAZOS RIVER   LOWER BRAZOS   268315.*      PF 1          759.61      759.46       0.14          0.00          0.00   4925158.00
379499.10   2698477.00    45414.47
  BRAZOS RIVER   LOWER BRAZOS   268310.*      PF 1          759.61      759.46       0.14          0.00          0.00   4925893.00
379673.80   2697567.00    45421.24
  BRAZOS RIVER   LOWER BRAZOS   268305.*      PF 1          759.60      759.46       0.14          0.00          0.00   4926624.00
379864.70   2696644.00    45427.82
  BRAZOS RIVER   LOWER BRAZOS   268300.*      PF 1          759.60      759.46       0.14          0.00          0.00   4927440.00
380056.00   2695637.00    45434.58
  BRAZOS RIVER   LOWER BRAZOS   268295.*      PF 1          759.60      759.46       0.14          0.00          0.00   4928116.00
380240.00   2694778.00    45441.25
  BRAZOS RIVER   LOWER BRAZOS   268290.*      PF 1          759.60      759.46       0.14          0.00          0.00   4928859.00
380441.10   2693833.00    45448.09
  BRAZOS RIVER   LOWER BRAZOS   268285.*      PF 1          759.60      759.45       0.14          0.00          0.00   4929673.00
380630.80   2692830.00    45454.59
  BRAZOS RIVER   LOWER BRAZOS   268280.*      PF 1          759.60      759.45       0.14          0.00          0.00   4930453.00
380823.00   2691857.00    45461.43
  BRAZOS RIVER   LOWER BRAZOS   268275.*      PF 1          759.60      759.45       0.14          0.00          0.00   4931143.00
381011.20   2690979.00    45468.02
  BRAZOS RIVER   LOWER BRAZOS   268270.*      PF 1          759.59      759.45       0.14          0.00          0.00   4931910.00
381204.10   2690019.00    45474.87
  BRAZOS RIVER   LOWER BRAZOS   268265.*      PF 1          759.59      759.45       0.14          0.00          0.00   4932731.00
381393.10   2689010.00    45481.54
  BRAZOS RIVER   LOWER BRAZOS   268260.*      PF 1          759.59      759.45       0.14          0.00          0.00   4933367.00
381589.80   2688177.00    45488.20
  BRAZOS RIVER   LOWER BRAZOS   268255.*      PF 1          759.59      759.45       0.14          0.00          0.00   4934194.00
381780.10   2687160.00    45495.04
  BRAZOS RIVER   LOWER BRAZOS   268250.*      PF 1          759.59      759.44       0.14          0.00          0.00   4934976.00
381970.00   2686188.00    45501.63
  BRAZOS RIVER   LOWER BRAZOS   268245.*      PF 1          759.59      759.44       0.14          0.00          0.00   4935705.00
382167.40   2685261.00    45508.38
  BRAZOS RIVER   LOWER BRAZOS   268240.*      PF 1          759.59      759.44       0.14          0.00          0.00   4936441.00
382342.30   2684350.00    45514.96
  BRAZOS RIVER   LOWER BRAZOS   268235.*      PF 1          759.58      759.44       0.14          0.00          0.00   4937217.00
382530.90   2683386.00    45521.80
  BRAZOS RIVER   LOWER BRAZOS   268230.*      PF 1          759.58      759.44       0.14          0.00          0.00   4937953.00
382727.10   2682453.00    45528.55
  BRAZOS RIVER   LOWER BRAZOS   268225.*      PF 1          759.58      759.44       0.14          0.00          0.00   4938744.00
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382928.80   2681461.00    45535.13
  BRAZOS RIVER   LOWER BRAZOS   268220.*      PF 1         759.58      759.44      0.14        0.00        0.00   4939470.00
383111.20   2680552.00    45541.96
  BRAZOS RIVER   LOWER BRAZOS   268215.*      PF 1         759.58      759.43      0.14        0.00        0.00   4940203.00
383309.00   2679621.00    45548.55
  BRAZOS RIVER   LOWER BRAZOS   268210.*      PF 1         759.58      759.43      0.14        0.00        0.00   4941001.00
383489.10   2678644.00    45555.30
  BRAZOS RIVER   LOWER BRAZOS   268205.*      PF 1         759.58      759.43      0.14        0.00        0.00   4941771.00
383680.60   2677681.00    45561.96
  BRAZOS RIVER   LOWER BRAZOS   268200.*      PF 1         759.57      759.43      0.14        0.00        0.00   4942491.00
383894.30   2676748.00    45568.72
  BRAZOS RIVER   LOWER BRAZOS   268195.*      PF 1         759.57      759.43      0.14        0.00        0.00   4943241.00
384085.50   2675807.00    45575.55
  BRAZOS RIVER   LOWER BRAZOS   268190.*      PF 1         759.57      759.43      0.14        0.00        0.00   4944018.00
384268.70   2674847.00    45582.04
  BRAZOS RIVER   LOWER BRAZOS   268185.*      PF 1         759.57      759.43      0.15        0.00        0.00   4944833.00
384467.70   2673833.00    45588.88
  BRAZOS RIVER   LOWER BRAZOS   268180.*      PF 1         759.57      759.42      0.15        0.00        0.00   4945496.00
384662.80   2672975.00    45595.45
  BRAZOS RIVER   LOWER BRAZOS   268175.*      PF 1         759.57      759.42      0.15        0.00        0.00   4946328.00
384859.80   2671945.00    45602.27
  BRAZOS RIVER   LOWER BRAZOS   268170.*      PF 1         759.57      759.42      0.15        0.00        0.00   4947075.00
385051.10   2671008.00    45608.85
  BRAZOS RIVER   LOWER BRAZOS   268165.*      PF 1         759.56      759.42      0.15        0.00        0.00   4947751.00
385229.60   2670153.00    45615.61
  BRAZOS RIVER   LOWER BRAZOS   268160.*      PF 1         759.56      759.42      0.15        0.00        0.00   4948576.00
385434.30   2669123.00    45622.43
  BRAZOS RIVER   LOWER BRAZOS   268155.*      PF 1         759.56      759.42      0.15        0.00        0.00   4949363.00
385630.30   2668140.00    45629.01
  BRAZOS RIVER   LOWER BRAZOS   268150.*      PF 1         759.56      759.41      0.15        0.00        0.00   4950133.00
385818.90   2667181.00    45635.75
  BRAZOS RIVER   LOWER BRAZOS   268145.*      PF 1         759.56      759.41      0.15        0.00        0.00   4950858.00
386001.80   2666274.00    45642.41
  BRAZOS RIVER   LOWER BRAZOS   268140.*      PF 1         759.56      759.41      0.15        0.00        0.00   4951652.00
386208.00   2665274.00    45649.15
  BRAZOS RIVER   LOWER BRAZOS   268135.*      PF 1         759.56      759.41      0.15        0.00        0.00   4952380.00
386409.50   2664344.00    45655.80
  BRAZOS RIVER   LOWER BRAZOS   268130.*      PF 1         759.55      759.41      0.15        0.00        0.00   4953161.00
386604.90   2663368.00    45662.47
  BRAZOS RIVER   LOWER BRAZOS   268125.*      PF 1         759.55      759.41      0.15        0.00        0.00   4953931.00
386799.50   2662403.00    45669.30
  BRAZOS RIVER   LOWER BRAZOS   268120.*      PF 1         759.55      759.41      0.15        0.00        0.00   4954631.00
386987.90   2661514.00    45675.95
  BRAZOS RIVER   LOWER BRAZOS   268115.*      PF 1         759.55      759.40      0.15        0.00        0.00   4955447.00
387185.30   2660501.00    45682.61
  BRAZOS RIVER   LOWER BRAZOS   268110.*      PF 1         759.55      759.40      0.15        0.00        0.00   4956270.00
387369.90   2659494.00    45689.26
  BRAZOS RIVER   LOWER BRAZOS   268105.*      PF 1         759.55      759.40      0.15        0.00        0.00   4956947.00
387579.70   2658607.00    45696.00
  BRAZOS RIVER   LOWER BRAZOS   268100.*      PF 1         759.55      759.40      0.15        0.00        0.00   4957721.00
387781.10   2657632.00    45702.66
  BRAZOS RIVER   LOWER BRAZOS   268095.*      PF 1         759.54      759.40      0.15        0.00        0.00   4958539.00
387974.30   2656620.00    45709.32
  BRAZOS RIVER   LOWER BRAZOS   268090.*      PF 1         759.54      759.40      0.15        0.00        0.00   4959241.00
388157.70   2655735.00    45715.97
  BRAZOS RIVER   LOWER BRAZOS   268085.*      PF 1         759.54      759.40      0.15        0.00        0.00   4960011.00
388366.30   2654756.00    45722.79
  BRAZOS RIVER   LOWER BRAZOS   268080.*      PF 1         759.54      759.39      0.15        0.00        0.00   4960852.00
388553.40   2653728.00    45729.53
  BRAZOS RIVER   LOWER BRAZOS   268075.*      PF 1         759.54      759.39      0.15        0.00        0.00   4961588.00
388753.20   2652792.00    45736.09
  BRAZOS RIVER   LOWER BRAZOS   268070.*      PF 1         759.54      759.39      0.15        0.00        0.00   4962304.00
388941.00   2651889.00    45742.83
  BRAZOS RIVER   LOWER BRAZOS   268065.*      PF 1         759.54      759.39      0.15        0.00        0.00   4963147.00
389134.70   2650852.00    45749.48
  BRAZOS RIVER   LOWER BRAZOS   268060.*      PF 1         759.53      759.39      0.15        0.00        0.00   4963898.00
389341.90   2649893.00    45756.29
  BRAZOS RIVER   LOWER BRAZOS   268055.*      PF 1         759.53      759.39      0.15        0.00        0.00   4964652.00
389540.80   2648941.00    45762.79
  BRAZOS RIVER   LOWER BRAZOS   268050.*      PF 1         759.53      759.39      0.15        0.00        0.00   4965425.00
389723.00   2647986.00    45769.61
  BRAZOS RIVER   LOWER BRAZOS   268045.*      PF 1         759.53      759.38      0.15        0.00        0.00   4966219.00
389929.30   2646985.00    45776.34
  BRAZOS RIVER   LOWER BRAZOS   268040.*      PF 1         759.53      759.38      0.15        0.00        0.00   4966969.00
390129.80   2646035.00    45782.99
  BRAZOS RIVER   LOWER BRAZOS   268035.*      PF 1         759.53      759.38      0.15        0.00        0.00   4967705.00
390339.50   2645089.00    45789.73
  BRAZOS RIVER   LOWER BRAZOS   268030.*      PF 1         759.53      759.38      0.15        0.00        0.00   4968502.00
390520.30   2644111.00    45796.29
  BRAZOS RIVER   LOWER BRAZOS   268025.*      PF 1         759.52      759.38      0.15        0.00        0.00   4969233.00
390723.30   2643177.00    45803.10
  BRAZOS RIVER   LOWER BRAZOS   268020.*      PF 1         759.52      759.38      0.15        0.00        0.00   4970043.00
390916.80   2642174.00    45809.59
  BRAZOS RIVER   LOWER BRAZOS   268015.*      PF 1         759.52      759.38      0.15        0.00        0.00   4970837.00
391126.00   2641171.00    45816.40
  BRAZOS RIVER   LOWER BRAZOS   268010.*      PF 1         759.52      759.37      0.15        0.00        0.00   4971553.00
391325.90   2640254.00    45823.22
  BRAZOS RIVER   LOWER BRAZOS   268005.*      PF 1         759.52      759.37      0.15        0.00        0.00   4972365.00
391509.30   2639259.00    45829.77
  BRAZOS RIVER   LOWER BRAZOS   268000.*      PF 1         759.52      759.37      0.15        0.00        0.00   4973163.00
391707.00   2638264.00    45836.51
  BRAZOS RIVER   LOWER BRAZOS   267995.*      PF 1         759.52      759.37      0.15        0.00        0.00   4973892.00
391906.10   2637336.00    45843.07
  BRAZOS RIVER   LOWER BRAZOS   267990.*      PF 1         759.51      759.37      0.15        0.00        0.00   4974635.00
392101.30   2636397.00    45849.88
  BRAZOS RIVER   LOWER BRAZOS   267985.*      PF 1         759.51      759.37      0.15        0.00        0.00   4975494.00
392312.70   2635327.00    45856.43
  BRAZOS RIVER   LOWER BRAZOS   267980.*      PF 1         759.51      759.36      0.15        0.00        0.00   4976225.00
392515.10   2634393.00    45863.17
  BRAZOS RIVER   LOWER BRAZOS   267975.*      PF 1         759.51      759.36      0.15        0.00        0.00   4976924.00
392705.70   2633504.00    45869.98
  BRAZOS RIVER   LOWER BRAZOS   267970.*      PF 1         759.51      759.36      0.15        0.00        0.00   4977793.00
392907.90   2632433.00    45876.53
  BRAZOS RIVER   LOWER BRAZOS   267965.*      PF 1         759.51      759.36      0.15        0.00        0.00   4978595.00
393113.20   2631425.00    45883.34
  BRAZOS RIVER   LOWER BRAZOS   267960.*      PF 1         759.51      759.36      0.15        0.00        0.00   4979321.00
393305.60   2630507.00    45889.82
  BRAZOS RIVER   LOWER BRAZOS   267955.*      PF 1         759.50      759.36      0.15        0.00        0.00   4980131.00
393515.30   2629487.00    45896.63
  BRAZOS RIVER   LOWER BRAZOS   267950.*      PF 1         759.50      759.36      0.15        0.00        0.00   4980893.00
393717.00   2628523.00    45903.27
  BRAZOS RIVER   LOWER BRAZOS   267945.*      PF 1         759.50      759.35      0.15        0.00        0.00   4981655.00
393913.60   2627565.00    45910.00
  BRAZOS RIVER   LOWER BRAZOS   267940.*      PF 1         759.50      759.35      0.15        0.00        0.00   4982417.00
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394126.10   2626590.00    45916.55
  BRAZOS RIVER   LOWER BRAZOS   267935.*      PF 1          759.50       759.35       0.15          0.00          0.00   4983225.00
394312.70   2625596.00    45923.27
  BRAZOS RIVER   LOWER BRAZOS   267930.*      PF 1          759.50       759.35       0.15          0.00          0.00   4983981.00
394513.30   2624638.00    45930.08
  BRAZOS RIVER   LOWER BRAZOS   267925.*      PF 1          759.50       759.35       0.15          0.00          0.00   4984772.00
394714.20   2623648.00    45936.63
  BRAZOS RIVER   LOWER BRAZOS   267920.*      PF 1          759.49       759.35       0.15          0.00          0.00   4985589.00
394918.50   2622626.00    45943.35
  BRAZOS RIVER   LOWER BRAZOS   267915.*      PF 1          759.49       759.35       0.15          0.00          0.00   4986282.00
395119.40   2621731.00    45949.99
  BRAZOS RIVER   LOWER BRAZOS   267910.*      PF 1          759.49       759.34       0.15          0.00          0.00   4987105.00
395322.80   2620706.00    45956.70
  BRAZOS RIVER   LOWER BRAZOS   267905.*      PF 1          759.49       759.34       0.15          0.00          0.00   4987926.00
395522.20   2619686.00    45963.27
  BRAZOS RIVER   LOWER BRAZOS   267900.*      PF 1          759.49       759.34       0.15          0.00          0.00   4988638.00
395710.80   2618784.00    45969.99
  BRAZOS RIVER   LOWER BRAZOS   267895.*      PF 1          759.49       759.34       0.15          0.00          0.00   4989470.00
395941.30   2617722.00    45976.79
  BRAZOS RIVER   LOWER BRAZOS   267890.*      PF 1          759.49       759.34       0.15          0.00          0.00   4990288.00
396148.30   2616697.00    45983.42
  BRAZOS RIVER   LOWER BRAZOS   267885.*      PF 1          759.48       759.34       0.15          0.00          0.00   4991067.00
396330.60   2615736.00    45990.07
  BRAZOS RIVER   LOWER BRAZOS   267880.*      PF 1          759.48       759.33       0.15          0.00          0.00   4991724.00
396537.50   2614872.00    45996.70
  BRAZOS RIVER   LOWER BRAZOS   267875.*      PF 1          759.48       759.33       0.15          0.00          0.00   4992600.00
396738.40   2613795.00    46003.41
  BRAZOS RIVER   LOWER BRAZOS   267870.*      PF 1          759.48       759.33       0.15          0.00          0.00   4993382.00
396947.40   2612804.00    46010.04
  BRAZOS RIVER   LOWER BRAZOS   267865.*      PF 1          759.48       759.33       0.15          0.00          0.00   4994143.00
397158.80   2611832.00    46016.77
  BRAZOS RIVER   LOWER BRAZOS   267860.*      PF 1          759.48       759.33       0.15          0.00          0.00   4994918.00
397346.10   2610869.00    46023.48
  BRAZOS RIVER   LOWER BRAZOS   267855.*      PF 1          759.47       759.33       0.15          0.00          0.00   4995722.00
397556.40   2609855.00    46030.11
  BRAZOS RIVER   LOWER BRAZOS   267850.*      PF 1          759.47       759.33       0.15          0.00          0.00   4996476.00
397754.50   2608903.00    46036.82
  BRAZOS RIVER   LOWER BRAZOS   267845.*      PF 1          759.47       759.32       0.15          0.00          0.00   4997241.00
397956.80   2607936.00    46043.38
  BRAZOS RIVER   LOWER BRAZOS   267840.*      PF 1          759.47       759.32       0.15          0.00          0.00   4998070.00
398156.90   2606906.00    46050.18
  BRAZOS RIVER   LOWER BRAZOS   267835.*      PF 1          759.47       759.32       0.15          0.00          0.00   4998823.00
398371.00   2605939.00    46056.71
  BRAZOS RIVER   LOWER BRAZOS   267830.*      PF 1          759.47       759.32       0.15          0.00          0.00   4999612.00
398575.10   2604946.00    46063.51
  BRAZOS RIVER   LOWER BRAZOS   267825.*      PF 1          759.47       759.32       0.15          0.00          0.00   5000451.00
398769.60   2603912.00    46070.16
  BRAZOS RIVER   LOWER BRAZOS   267820.*      PF 1          759.46       759.32       0.15          0.00          0.00   5001169.00
398984.20   2602980.00    46076.77
  BRAZOS RIVER   LOWER BRAZOS   267815.*      PF 1          759.46       759.31       0.15          0.00          0.00   5001982.00
399186.40   2601965.00    46083.48
  BRAZOS RIVER   LOWER BRAZOS   267810.*      PF 1          759.46       759.31       0.15          0.00          0.00   5002745.00
399388.70   2601000.00    46090.04
  BRAZOS RIVER   LOWER BRAZOS   267805.*      PF 1          759.46       759.31       0.15          0.00          0.00   5003521.00
399594.70   2600017.00    46096.83
  BRAZOS RIVER   LOWER BRAZOS   267800.*      PF 1          759.46       759.31       0.15          0.00          0.00   5004288.00
399811.20   2599035.00    46103.37
  BRAZOS RIVER   LOWER BRAZOS   267795.*      PF 1          759.46       759.31       0.15          0.00          0.00   5005189.00
400015.60   2597929.00    46110.17
  BRAZOS RIVER   LOWER BRAZOS   267790.*      PF 1          759.46       759.31       0.15          0.00          0.00   5005963.00
400226.30   2596944.00    46116.64
  BRAZOS RIVER   LOWER BRAZOS   267785.*      PF 1          759.45       759.31       0.15          0.00          0.00   5006642.00
400411.20   2596080.00    46123.43
  BRAZOS RIVER   LOWER BRAZOS   267780.*      PF 1          759.45       759.30       0.15          0.00          0.00   5007501.00
400616.30   2595016.00    46130.22
  BRAZOS RIVER   LOWER BRAZOS   267775.*      PF 1          759.45       759.30       0.15          0.00          0.00   5008297.00
400828.90   2594007.00    46136.76
  BRAZOS RIVER   LOWER BRAZOS   267770.*      PF 1          759.45       759.30       0.15          0.00          0.00   5009072.00
401041.40   2593020.00    46143.48
  BRAZOS RIVER   LOWER BRAZOS   267765.*      PF 1          759.45       759.30       0.15          0.00          0.00   5009848.00
401242.60   2592044.00    46150.01
  BRAZOS RIVER   LOWER BRAZOS   267760.*      PF 1          759.45       759.30       0.15          0.00          0.00   5010694.00
401441.60   2590998.00    46156.80
  BRAZOS RIVER   LOWER BRAZOS   267755.*      PF 1          759.45       759.30       0.15          0.00          0.00   5011446.00
401651.10   2590037.00    46163.41
  BRAZOS RIVER   LOWER BRAZOS   267751.*      PF 1          759.44       759.29       0.15          0.00          0.00   5012233.00
401867.80   2589033.00    46170.06
  BRAZOS RIVER   LOWER BRAZOS   267746.*      PF 1          759.44       759.29       0.15          0.00          0.00   5013035.00
402072.50   2588026.00    46176.85
  BRAZOS RIVER   LOWER BRAZOS   267741.*      PF 1          759.44       759.29       0.15          0.00          0.00   5013850.00
402282.40   2587001.00    46183.38
  BRAZOS RIVER   LOWER BRAZOS   267736.*      PF 1          759.44       759.29       0.15          0.00          0.00   5014576.00
402491.40   2586066.00    46190.16
  BRAZOS RIVER   LOWER BRAZOS   267731.*      PF 1          759.44       759.29       0.15          0.00          0.00   5015371.00
402695.00   2585067.00    46196.72
  BRAZOS RIVER   LOWER BRAZOS   267726.*      PF 1          759.44       759.29       0.15          0.00          0.00   5016136.00
402913.30   2584084.00    46203.41
  BRAZOS RIVER   LOWER BRAZOS   267721.*      PF 1          759.43       759.29       0.15          0.00          0.00   5016961.00
403113.40   2583059.00    46210.04
  BRAZOS RIVER   LOWER BRAZOS   267716.*      PF 1          759.43       759.28       0.15          0.00          0.00   5017821.00
403317.30   2581995.00    46216.67
  BRAZOS RIVER   LOWER BRAZOS   267711.*      PF 1          759.43       759.28       0.15          0.00          0.00   5018528.00
403532.90   2581072.00    46223.45
  BRAZOS RIVER   LOWER BRAZOS   267706.*      PF 1          759.43       759.28       0.15          0.00          0.00   5019320.00
403759.00   2580054.00    46229.98
  BRAZOS RIVER   LOWER BRAZOS   267701.*      PF 1          759.43       759.28       0.15          0.00          0.00   5020157.00
403946.10   2579031.00    46236.76
  BRAZOS RIVER   LOWER BRAZOS   267696.*      PF 1          759.43       759.28       0.15          0.00          0.00   5020992.00
404152.20   2577989.00    46243.31
  BRAZOS RIVER   LOWER BRAZOS   267691.*      PF 1          759.43       759.28       0.15          0.00          0.00   5021673.00
404355.40   2577105.00    46250.02
  BRAZOS RIVER   LOWER BRAZOS   267686.*      PF 1          759.42       759.27       0.15          0.00          0.00   5022531.00
404565.50   2576037.00    46256.63
  BRAZOS RIVER   LOWER BRAZOS   267681.*      PF 1          759.42       759.27       0.15          0.00          0.00   5023341.00
404779.90   2575013.00    46263.32
  BRAZOS RIVER   LOWER BRAZOS   267676.*      PF 1          759.42       759.27       0.15          0.00          0.00   5024128.00
404997.90   2574008.00    46270.04
  BRAZOS RIVER   LOWER BRAZOS   267671.*      PF 1          759.42       759.27       0.15          0.00          0.00   5024917.00
405204.70   2573012.00    46276.66
  BRAZOS RIVER   LOWER BRAZOS   267666.*      PF 1          759.42       759.27       0.15          0.00          0.00   5025734.00
405407.50   2571992.00    46283.34
  BRAZOS RIVER   LOWER BRAZOS   267661.*      PF 1          759.42       759.27       0.15          0.00          0.00   5026487.00
405623.80   2571023.00    46289.96
  BRAZOS RIVER   LOWER BRAZOS   267656.*      PF 1          759.42       759.27       0.15          0.00          0.00   5027299.00
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405830.60   2570003.00    46296.59
  BRAZOS RIVER   LOWER BRAZOS   267651.*      PF 1          759.41       759.26       0.15          0.00          0.00   5028117.00
406051.70   2568964.00    46303.20
  BRAZOS RIVER   LOWER BRAZOS   267646.*      PF 1          759.41       759.26       0.15          0.00          0.00   5028847.00
406263.40   2568023.00    46309.98
  BRAZOS RIVER   LOWER BRAZOS   267641.*      PF 1          759.41       759.26       0.15          0.00          0.00   5029671.00
406468.30   2566994.00    46316.51
  BRAZOS RIVER   LOWER BRAZOS   267636.*      PF 1          759.41       759.26       0.15          0.00          0.00   5030487.00
406670.00   2565976.00    46323.22
  BRAZOS RIVER   LOWER BRAZOS   267631.*      PF 1          759.41       759.26       0.15          0.00          0.00   5031242.00
406879.30   2565013.00    46329.91
  BRAZOS RIVER   LOWER BRAZOS   267626.*      PF 1          759.41       759.26       0.15          0.00          0.00   5032088.00
407088.00   2563957.00    46336.52
  BRAZOS RIVER   LOWER BRAZOS   267621.*      PF 1          759.41       759.26       0.15          0.00          0.00   5032865.00
407307.20   2562961.00    46343.14
  BRAZOS RIVER   LOWER BRAZOS   267616.*      PF 1          759.40       759.25       0.15          0.00          0.00   5033627.00
407509.20   2561997.00    46349.76
  BRAZOS RIVER   LOWER BRAZOS   267611.*      PF 1          759.40       759.25       0.15          0.00          0.00   5034439.00
407734.00   2560961.00    46356.53
  BRAZOS RIVER   LOWER BRAZOS   267606.*      PF 1          759.40       759.25       0.15          0.00          0.00   5035322.00
407945.20   2559866.00    46363.05
  BRAZOS RIVER   LOWER BRAZOS   267601.*      PF 1          759.40       759.25       0.15          0.00          0.00   5036107.00
408158.30   2558868.00    46369.77
  BRAZOS RIVER   LOWER BRAZOS   267596.*      PF 1          759.40       759.25       0.15          0.00          0.00   5036829.00
408352.00   2557952.00    46376.46
  BRAZOS RIVER   LOWER BRAZOS   267591.*      PF 1          759.40       759.25       0.15          0.00          0.00   5037717.00
408577.10   2556839.00    46383.05
  BRAZOS RIVER   LOWER BRAZOS   267586.*      PF 1          759.39       759.24       0.15          0.00          0.00   5038475.00
408803.00   2555855.00    46389.83
  BRAZOS RIVER   LOWER BRAZOS   267581.*      PF 1          759.39       759.24       0.15          0.00          0.00   5039270.00
409011.40   2554852.00    46396.30
  BRAZOS RIVER   LOWER BRAZOS   267576.*      PF 1          759.39       759.24       0.15          0.00          0.00   5040094.00
409206.60   2553833.00    46403.07
  BRAZOS RIVER   LOWER BRAZOS   267571.*      PF 1          759.39       759.24       0.15          0.00          0.00   5040907.00
409426.00   2552800.00    46409.59
  BRAZOS RIVER   LOWER BRAZOS   267566.*      PF 1          759.39       759.24       0.15          0.00          0.00   5041684.00
409633.20   2551816.00    46416.36
  BRAZOS RIVER   LOWER BRAZOS   267561.*      PF 1          759.39       759.24       0.15          0.00          0.00   5042468.00
409873.30   2550792.00    46423.07
  BRAZOS RIVER   LOWER BRAZOS   267556.*      PF 1          759.39       759.24       0.15          0.00          0.00   5043311.00
410073.50   2549749.00    46429.59
  BRAZOS RIVER   LOWER BRAZOS   267551.*      PF 1          759.38       759.23       0.15          0.00          0.00   5044056.00
410285.80   2548792.00    46436.36
  BRAZOS RIVER   LOWER BRAZOS   267546.*      PF 1          759.38       759.23       0.15          0.00          0.00   5044871.00
410495.60   2547767.00    46442.87
  BRAZOS RIVER   LOWER BRAZOS   267541.*      PF 1          759.38       759.23       0.15          0.00          0.00   5045681.00
410718.90   2546734.00    46449.58
  BRAZOS RIVER   LOWER BRAZOS   267536.*      PF 1          759.38       759.23       0.15          0.00          0.00   5046466.00
410917.80   2545749.00    46456.20
  BRAZOS RIVER   LOWER BRAZOS   267531.*      PF 1          759.38       759.23       0.15          0.00          0.00   5047300.00
411144.70   2544689.00    46462.87
  BRAZOS RIVER   LOWER BRAZOS   267526.*      PF 1          759.38       759.23       0.15          0.00          0.00   5048141.00
411356.80   2543636.00    46469.64
  BRAZOS RIVER   LOWER BRAZOS   267521.*      PF 1          759.38       759.22       0.15          0.00          0.00   5048889.00
411568.50   2542676.00    46476.10
  BRAZOS RIVER   LOWER BRAZOS   267516.*      PF 1          759.37       759.22       0.15          0.00          0.00   5049677.00
411791.00   2541666.00    46482.86
  BRAZOS RIVER   LOWER BRAZOS   267511.*      PF 1          759.37       759.22       0.15          0.00          0.00   5050538.00
412004.70   2540591.00    46489.38
  BRAZOS RIVER   LOWER BRAZOS   267506.*      PF 1          759.37       759.22       0.15          0.00          0.00   5051372.00
412214.30   2539547.00    46496.09
  BRAZOS RIVER   LOWER BRAZOS   267501.*      PF 1          759.37       759.22       0.15          0.00          0.00   5052073.00
412425.70   2538635.00    46502.68
  BRAZOS RIVER   LOWER BRAZOS   267496.*      PF 1          759.37       759.22       0.15          0.00          0.00   5052959.00
412658.00   2537516.00    46509.36
  BRAZOS RIVER   LOWER BRAZOS   267491.*      PF 1          759.37       759.22       0.15          0.00          0.00   5053762.00
412866.70   2536505.00    46516.13
  BRAZOS RIVER   LOWER BRAZOS   267486.*      PF 1          759.37       759.21       0.15          0.00          0.00   5054504.00
413080.40   2535549.00    46522.59
  BRAZOS RIVER   LOWER BRAZOS   267481.*      PF 1          759.36       759.21       0.15          0.00          0.00   5055346.00
413288.70   2534499.00    46529.35
  BRAZOS RIVER   LOWER BRAZOS   267476.*      PF 1          759.36       759.21       0.15          0.00          0.00   5056166.00
413506.70   2533460.00    46535.95
  BRAZOS RIVER   LOWER BRAZOS   267471.*      PF 1          759.36       759.21       0.15          0.00          0.00   5056966.00
413714.70   2532453.00    46542.62
  BRAZOS RIVER   LOWER BRAZOS   267466.*      PF 1          759.36       759.21       0.15          0.00          0.00   5057754.00
413950.30   2531429.00    46549.17
  BRAZOS RIVER   LOWER BRAZOS   267461.*      PF 1          759.36       759.21       0.15          0.00          0.00   5058624.00
414160.70   2530349.00    46555.84
  BRAZOS RIVER   LOWER BRAZOS   267456.*      PF 1          759.36       759.20       0.15          0.00          0.00   5059336.00
414382.80   2529414.00    46562.44
  BRAZOS RIVER   LOWER BRAZOS   267451.*      PF 1          759.35       759.20       0.15          0.00          0.00   5060209.00
414585.70   2528339.00    46569.20
  BRAZOS RIVER   LOWER BRAZOS   267446.*      PF 1          759.35       759.20       0.15          0.00          0.00   5061014.00
414806.60   2527313.00    46575.82
  BRAZOS RIVER   LOWER BRAZOS   267441.*      PF 1          759.35       759.20       0.15          0.00          0.00   5061767.00
415027.50   2526339.00    46582.41
  BRAZOS RIVER   LOWER BRAZOS   267436.*      PF 1          759.35       759.20       0.15          0.00          0.00   5062609.00
415250.30   2525274.00    46589.08
  BRAZOS RIVER   LOWER BRAZOS   267431.*      PF 1          759.35       759.20       0.15          0.00          0.00   5063472.00
415458.40   2524203.00    46595.69
  BRAZOS RIVER   LOWER BRAZOS   267426.*      PF 1          759.35       759.20       0.15          0.00          0.00   5064221.00
415677.10   2523235.00    46602.30
  BRAZOS RIVER   LOWER BRAZOS   267421.*      PF 1          759.35       759.19       0.15          0.00          0.00   5064985.00
415903.80   2522245.00    46608.90
  BRAZOS RIVER   LOWER BRAZOS   267416.*      PF 1          759.34       759.19       0.15          0.00          0.00   5065909.00
416128.40   2521096.00    46615.66
  BRAZOS RIVER   LOWER BRAZOS   267411.*      PF 1          759.34       759.19       0.15          0.00          0.00   5066651.00
416332.10   2520150.00    46622.27
  BRAZOS RIVER   LOWER BRAZOS   267406.*      PF 1          759.34       759.19       0.15          0.00          0.00   5067460.00
416551.20   2519122.00    46628.86
  BRAZOS RIVER   LOWER BRAZOS   267401.*      PF 1          759.34       759.19       0.15          0.00          0.00   5068331.00
416780.10   2518022.00    46635.53
  BRAZOS RIVER   LOWER BRAZOS   267396.*      PF 1          759.34       759.19       0.15          0.00          0.00   5069100.00
416994.80   2517039.00    46642.12
  BRAZOS RIVER   LOWER BRAZOS   267391.*      PF 1          759.34       759.18       0.15          0.00          0.00   5069864.00
417204.40   2516065.00    46648.82
  BRAZOS RIVER   LOWER BRAZOS   267386.*      PF 1          759.34       759.18       0.15          0.00          0.00   5070747.00
417419.30   2514967.00    46655.34
  BRAZOS RIVER   LOWER BRAZOS   267381.*      PF 1          759.33       759.18       0.15          0.00          0.00   5071555.00
417643.40   2513935.00    46662.09
  BRAZOS RIVER   LOWER BRAZOS   267376.*      PF 1          759.33       759.18       0.15          0.00          0.00   5072369.00
417869.50   2512895.00    46668.75
  BRAZOS RIVER   LOWER BRAZOS   267371.*      PF 1          759.33       759.18       0.15          0.00          0.00   5073167.00
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418088.50   2511878.00    46675.30
  BRAZOS RIVER   LOWER BRAZOS   267366.*      PF 1          759.33       759.18       0.15          0.00          0.00    5074004.00
418313.80   2510816.00    46682.05
  BRAZOS RIVER   LOWER BRAZOS   267361.*      PF 1          759.33       759.18       0.15          0.00          0.00    5074808.00
418533.80   2509792.00    46688.55
  BRAZOS RIVER   LOWER BRAZOS   267356.*      PF 1          759.33       759.17       0.15          0.00          0.00    5075606.00
418752.70   2508774.00    46695.30
  BRAZOS RIVER   LOWER BRAZOS   267351.*      PF 1          759.33       759.17       0.15          0.00          0.00    5076411.00
418965.50   2507757.00    46701.74
  BRAZOS RIVER   LOWER BRAZOS   267346.*      PF 1          759.32       759.17       0.15          0.00          0.00    5077223.00
419200.90   2506709.00    46708.50
  BRAZOS RIVER   LOWER BRAZOS   267341.*      PF 1          759.32       759.17       0.15          0.00          0.00    5078021.00
419427.10   2505686.00    46715.17
  BRAZOS RIVER   LOWER BRAZOS   267336.*      PF 1          759.32       759.17       0.15          0.00          0.00    5078925.00
419645.20   2504563.00    46721.75
  BRAZOS RIVER   LOWER BRAZOS   267331.*      PF 1          759.32       759.17       0.15          0.00          0.00    5079671.00
419858.20   2503604.00    46728.46
  BRAZOS RIVER   LOWER BRAZOS   267326.*      PF 1          759.32       759.16       0.15          0.00          0.00    5080503.00
420072.80   2502557.00    46734.95
  BRAZOS RIVER   LOWER BRAZOS   267321.*      PF 1          759.32       759.16       0.15          0.00          0.00    5081376.00
420297.00   2501460.00    46741.70
  BRAZOS RIVER   LOWER BRAZOS   267316.*      PF 1          759.31       759.16       0.15          0.00          0.00    5082111.00
420529.10   2500494.00    46748.14
  BRAZOS RIVER   LOWER BRAZOS   267311.*      PF 1          759.31       759.16       0.15          0.00          0.00    5082936.00
420753.80   2499444.00    46754.90
  BRAZOS RIVER   LOWER BRAZOS   267306.*      PF 1          759.31       759.16       0.15          0.00          0.00    5083808.00
420959.90   2498366.00    46761.48
  BRAZOS RIVER   LOWER BRAZOS   267301.*      PF 1          759.31       759.16       0.15          0.00          0.00    5084652.00
421193.10   2497288.00    46768.13
  BRAZOS RIVER   LOWER BRAZOS   267296.*      PF 1          759.31       759.16       0.15          0.00          0.00    5085404.00
421417.10   2496312.00    46774.83
  BRAZOS RIVER   LOWER BRAZOS   267291.*      PF 1          759.31       759.15       0.15          0.00          0.00    5086273.00
421628.20   2495232.00    46781.32
  BRAZOS RIVER   LOWER BRAZOS   267286.*      PF 1          759.31       759.15       0.15          0.00          0.00    5087088.00
421854.80   2494191.00    46788.07
  BRAZOS RIVER   LOWER BRAZOS   267281.*      PF 1          759.30       759.15       0.15          0.00          0.00    5087878.00
422077.30   2493178.00    46794.66
  BRAZOS RIVER   LOWER BRAZOS   267276.*      PF 1          759.30       759.15       0.15          0.00          0.00    5088727.00
422318.90   2492087.00    46801.27
  BRAZOS RIVER   LOWER BRAZOS   267271.*      PF 1          759.30       759.15       0.15          0.00          0.00    5089554.00
422526.50   2491053.00    46807.86
  BRAZOS RIVER   LOWER BRAZOS   267266.*      PF 1          759.30       759.15       0.15          0.00          0.00    5090333.00
422759.00   2490041.00    46814.51
  BRAZOS RIVER   LOWER BRAZOS   267261.*      PF 1          759.30       759.14       0.15          0.00          0.00    5091187.00
422976.30   2488970.00    46821.25
  BRAZOS RIVER   LOWER BRAZOS   267256.*      PF 1          759.30       759.14       0.15          0.00          0.00    5091977.00
423214.30   2487943.00    46827.79
  BRAZOS RIVER   LOWER BRAZOS   267251.*      PF 1          759.29       759.14       0.15          0.00          0.00    5092756.00
423423.30   2486954.00    46834.44
  BRAZOS RIVER   LOWER BRAZOS   267246.*      PF 1          759.29       759.14       0.15          0.00          0.00    5093635.00
423644.20   2485854.00    46841.02
  BRAZOS RIVER   LOWER BRAZOS   267241.*      PF 1          759.29       759.14       0.15          0.00          0.00    5094461.00
423864.00   2484808.00    46847.66
  BRAZOS RIVER   LOWER BRAZOS   267236.*      PF 1          759.29       759.14       0.15          0.00          0.00    5095240.00
424094.40   2483799.00    46854.20
  BRAZOS RIVER   LOWER BRAZOS   267231.*      PF 1          759.29       759.13       0.15          0.00          0.00    5096091.00
424307.90   2482734.00    46860.85
  BRAZOS RIVER   LOWER BRAZOS   267226.*      PF 1          759.29       759.13       0.15          0.00          0.00    5096975.00
424557.40   2481601.00    46867.60
  BRAZOS RIVER   LOWER BRAZOS   267221.*      PF 1          759.29       759.13       0.15          0.00          0.00    5097705.00
424777.10   2480651.00    46874.18
  BRAZOS RIVER   LOWER BRAZOS   267216.*      PF 1          759.28       759.13       0.15          0.00          0.00    5098545.00
424999.70   2479588.00    46880.77
  BRAZOS RIVER   LOWER BRAZOS   267211.*      PF 1          759.28       759.13       0.15          0.00          0.00    5099417.00
425227.80   2478489.00    46887.36
  BRAZOS RIVER   LOWER BRAZOS   267206.*      PF 1          759.28       759.13       0.15          0.00          0.00    5100233.00
425451.30   2477449.00    46894.01
  BRAZOS RIVER   LOWER BRAZOS   267201.*      PF 1          759.28       759.13       0.15          0.00          0.00    5101005.00
425677.60   2476451.00    46900.54
  BRAZOS RIVER   LOWER BRAZOS   267196.*      PF 1          759.28       759.12       0.15          0.00          0.00    5101859.00
425897.50   2475377.00    46907.28
  BRAZOS RIVER   LOWER BRAZOS   267191.*      PF 1          759.28       759.12       0.15          0.00          0.00    5102737.00
426135.50   2474260.00    46913.93
  BRAZOS RIVER   LOWER BRAZOS   267186.*      PF 1          759.27       759.12       0.15          0.00          0.00    5103527.00
426353.20   2473254.00    46920.51
  BRAZOS RIVER   LOWER BRAZOS   267181.*      PF 1          759.27       759.12       0.15          0.00          0.00    5104359.00
426589.50   2472185.00    46927.10
  BRAZOS RIVER   LOWER BRAZOS   267176.*      PF 1          759.27       759.12       0.15          0.00          0.00    5105160.00
426812.70   2471160.00    46933.68
  BRAZOS RIVER   LOWER BRAZOS   267171.*      PF 1          759.27       759.12       0.15          0.00          0.00    5105961.00
427042.10   2470130.00    46940.42
  BRAZOS RIVER   LOWER BRAZOS   267166.*      PF 1          759.27       759.11       0.15          0.00          0.00    5106857.00
427253.20   2469024.00    46946.91
  BRAZOS RIVER   LOWER BRAZOS   267161.*      PF 1          759.27       759.11       0.15          0.00          0.00    5107644.00
427502.00   2467987.00    46953.60
  BRAZOS RIVER   LOWER BRAZOS   267156.*      PF 1          759.27       759.11       0.15          0.00          0.00    5108485.00
427728.30   2466920.00    46960.08
  BRAZOS RIVER   LOWER BRAZOS   267151.*      PF 1          759.26       759.11       0.15          0.00          0.00    5109271.00
427950.20   2465912.00    46966.82
  BRAZOS RIVER   LOWER BRAZOS   267146.*      PF 1          759.26       759.11       0.15          0.00          0.00    5110183.00
428172.10   2464778.00    46973.46
  BRAZOS RIVER   LOWER BRAZOS   267141.*      PF 1          759.26       759.11       0.15          0.00          0.00    5110983.00
428390.20   2463760.00    46979.98
  BRAZOS RIVER   LOWER BRAZOS   267136.*      PF 1          759.26       759.10       0.15          0.00          0.00    5111786.00
428633.30   2462714.00    46986.73
  BRAZOS RIVER   LOWER BRAZOS   267131.*      PF 1          759.26       759.10       0.15          0.00          0.00    5112621.00
428879.40   2461633.00    46993.21
  BRAZOS RIVER   LOWER BRAZOS   267126.*      PF 1          759.26       759.10       0.16          0.00          0.00    5113431.00
429090.80   2460611.00    46999.95
  BRAZOS RIVER   LOWER BRAZOS   267121.*      PF 1          759.25       759.10       0.16          0.00          0.00    5114209.00
429319.90   2459604.00    47006.38
  BRAZOS RIVER   LOWER BRAZOS   267116.*      PF 1          759.25       759.10       0.16          0.00          0.00    5115143.00
429549.60   2458441.00    47013.12
  BRAZOS RIVER   LOWER BRAZOS   267111.*      PF 1          759.25       759.10       0.16          0.00          0.00    5115986.00
429789.30   2457358.00    47019.85
  BRAZOS RIVER   LOWER BRAZOS   267106.*      PF 1          759.25       759.09       0.16          0.00          0.00    5116750.00
430009.50   2456374.00    47026.29
  BRAZOS RIVER   LOWER BRAZOS   267101.*      PF 1          759.25       759.09       0.16          0.00          0.00    5117605.00
430233.00   2455295.00    47033.02
  BRAZOS RIVER   LOWER BRAZOS   267096.*      PF 1          759.25       759.09       0.16          0.00          0.00    5118459.00
430471.40   2454203.00    47039.50
  BRAZOS RIVER   LOWER BRAZOS   267091.*      PF 1          759.25       759.09       0.16          0.00          0.00    5119275.00
430695.60   2453163.00    47046.23
  BRAZOS RIVER   LOWER BRAZOS   267086.*      PF 1          759.24       759.09       0.16          0.00          0.00    5120089.00
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430932.00   2452112.00    47052.77
  BRAZOS RIVER   LOWER BRAZOS   267081.*      PF 1         759.24      759.09      0.16        0.00        0.00   5120952.00
431155.40   2451026.00    47059.40
  BRAZOS RIVER   LOWER BRAZOS   267076.*      PF 1         759.24      759.09      0.16        0.00        0.00   5121772.00
431386.40   2449975.00    47066.13
  BRAZOS RIVER   LOWER BRAZOS   267071.*      PF 1         759.24      759.08      0.16        0.00        0.00   5122611.00
431625.80   2448897.00    47072.61
  BRAZOS RIVER   LOWER BRAZOS   267066.*      PF 1         759.24      759.08      0.16        0.00        0.00   5123439.00
431846.30   2447848.00    47079.29
  BRAZOS RIVER   LOWER BRAZOS   267061.*      PF 1         759.24      759.08      0.16        0.00        0.00   5124227.00
432080.00   2446826.00    47085.77
  BRAZOS RIVER   LOWER BRAZOS   267056.*      PF 1         759.23      759.08      0.16        0.00        0.00   5125072.00
432313.80   2445748.00    47092.50
  BRAZOS RIVER   LOWER BRAZOS   267051.*      PF 1         759.23      759.08      0.16        0.00        0.00   5125876.00
432537.30   2444720.00    47099.07
  BRAZOS RIVER   LOWER BRAZOS   267046.*      PF 1         759.23      759.08      0.16        0.00        0.00   5126731.00
432777.10   2443625.00    47105.66
  BRAZOS RIVER   LOWER BRAZOS   267042.*      PF 1         759.23      759.07      0.16        0.00        0.00   5127584.00
433010.40   2442539.00    47112.39
  BRAZOS RIVER   LOWER BRAZOS   267037.*      PF 1         759.23      759.07      0.16        0.00        0.00   5128496.00
433249.70   2441388.00    47118.86
  BRAZOS RIVER   LOWER BRAZOS   267032.*      PF 1         759.23      759.07      0.16        0.00        0.00   5129239.00
433483.10   2440411.00    47125.59
  BRAZOS RIVER   LOWER BRAZOS   267027.*      PF 1         759.23      759.07      0.16        0.00        0.00   5130078.00
433711.90   2439343.00    47132.13
  BRAZOS RIVER   LOWER BRAZOS   267022.*      PF 1         759.22      759.07      0.16        0.00        0.00   5130975.00
433924.00   2438234.00    47138.74
  BRAZOS RIVER   LOWER BRAZOS   267017.*      PF 1         759.22      759.07      0.16        0.00        0.00   5131804.00
434163.60   2437166.00    47145.33
  BRAZOS RIVER   LOWER BRAZOS   267012.*      PF 1         759.22      759.06      0.16        0.00        0.00   5132605.00
434396.20   2436132.00    47151.96
  BRAZOS RIVER   LOWER BRAZOS   267007.*      PF 1         759.22      759.06      0.16        0.00        0.00   5133478.00
434636.80   2435019.00    47158.48
  BRAZOS RIVER   LOWER BRAZOS   267002.*      PF 1         759.22      759.06      0.16        0.00        0.00   5134299.00
434862.40   2433973.00    47165.21
  BRAZOS RIVER   LOWER BRAZOS   266997.*      PF 1         759.22      759.06      0.16        0.00        0.00   5135101.00
435093.80   2432939.00    47171.84
  BRAZOS RIVER   LOWER BRAZOS   266992.*      PF 1         759.21      759.06      0.16        0.00        0.00   5135946.00
435333.90   2431853.00    47178.36
  BRAZOS RIVER   LOWER BRAZOS   266987.*      PF 1         759.21      759.06      0.16        0.00        0.00   5136818.00
435566.00   2430750.00    47184.99
  BRAZOS RIVER   LOWER BRAZOS   266982.*      PF 1         759.21      759.06      0.16        0.00        0.00   5137584.00
435803.40   2429746.00    47191.56
  BRAZOS RIVER   LOWER BRAZOS   266977.*      PF 1         759.21      759.05      0.16        0.00        0.00   5138444.00
436040.90   2428648.00    47198.28
  BRAZOS RIVER   LOWER BRAZOS   266972.*      PF 1         759.21      759.05      0.16        0.00        0.00   5139320.00
436282.40   2427530.00    47204.72
  BRAZOS RIVER   LOWER BRAZOS   266967.*      PF 1         759.21      759.05      0.16        0.00        0.00   5140130.00
436515.80   2426488.00    47211.45
  BRAZOS RIVER   LOWER BRAZOS   266962.*      PF 1         759.21      759.05      0.16        0.00        0.00   5140970.00
436740.00   2425424.00    47218.06
  BRAZOS RIVER   LOWER BRAZOS   266957.*      PF 1         759.20      759.05      0.16        0.00        0.00   5141859.00
436974.50   2424300.00    47224.63
  BRAZOS RIVER   LOWER BRAZOS   266952.*      PF 1         759.20      759.05      0.16        0.00        0.00   5142610.00
437213.90   2423310.00    47231.22
  BRAZOS RIVER   LOWER BRAZOS   266947.*      PF 1         759.20      759.04      0.16        0.00        0.00   5143496.00
437452.30   2422185.00    47237.78
  BRAZOS RIVER   LOWER BRAZOS   266942.*      PF 1         759.20      759.04      0.16        0.00        0.00   5144408.00
437687.10   2421038.00    47244.51
  BRAZOS RIVER   LOWER BRAZOS   266937.*      PF 1         759.20      759.04      0.16        0.00        0.00   5145152.00
437909.90   2420071.00    47250.98
  BRAZOS RIVER   LOWER BRAZOS   266932.*      PF 1         759.20      759.04      0.16        0.00        0.00   5145958.00
438155.80   2419020.00    47257.65
  BRAZOS RIVER   LOWER BRAZOS   266927.*      PF 1         759.20      759.04      0.16        0.00        0.00   5146925.00
438387.30   2417821.00    47264.29
  BRAZOS RIVER   LOWER BRAZOS   266922.*      PF 1         759.19      759.04      0.16        0.00        0.00   5147740.00
438625.90   2416768.00    47270.85
  BRAZOS RIVER   LOWER BRAZOS   266917.*      PF 1         759.19      759.03      0.16        0.00        0.00   5148490.00
438868.90   2415774.00    47277.56
  BRAZOS RIVER   LOWER BRAZOS   266912.*      PF 1         759.19      759.03      0.16        0.00        0.00   5149426.00
439100.80   2414606.00    47284.00
  BRAZOS RIVER   LOWER BRAZOS   266907.*      PF 1         759.19      759.03      0.16        0.00        0.00   5150265.00
439337.70   2413531.00    47290.72
  BRAZOS RIVER   LOWER BRAZOS   266902.*      PF 1         759.19      759.03      0.16        0.00        0.00   5151084.00
439575.90   2412474.00    47297.18
  BRAZOS RIVER   LOWER BRAZOS   266897.*      PF 1         759.19      759.03      0.16        0.00        0.00   5151945.00
439801.80   2411387.00    47303.86
  BRAZOS RIVER   LOWER BRAZOS   266892.*      PF 1         759.18      759.03      0.16        0.00        0.00   5152776.00
440044.60   2410312.00    47310.58
  BRAZOS RIVER   LOWER BRAZOS   266887.*      PF 1         759.18      759.03      0.16        0.00        0.00   5153592.00
440296.10   2409245.00    47317.04
  BRAZOS RIVER   LOWER BRAZOS   266882.*      PF 1         759.18      759.02      0.16        0.00        0.00   5154440.00
440526.00   2408167.00    47323.76
  BRAZOS RIVER   LOWER BRAZOS   266877.*      PF 1         759.18      759.02      0.16        0.00        0.00   5155292.00
440764.80   2407077.00    47330.18
  BRAZOS RIVER   LOWER BRAZOS   266872.*      PF 1         759.18      759.02      0.16        0.00        0.00   5156131.00
440993.70   2406009.00    47336.89
  BRAZOS RIVER   LOWER BRAZOS   266867.*      PF 1         759.18      759.02      0.16        0.00        0.00   5156968.00
441234.20   2404931.00    47343.37
  BRAZOS RIVER   LOWER BRAZOS   266862.*      PF 1         759.18      759.02      0.16        0.00        0.00   5157786.00
441459.60   2403889.00    47350.09
  BRAZOS RIVER   LOWER BRAZOS   266857.*      PF 1         759.17      759.02      0.16        0.00        0.00   5158653.00
441700.20   2402780.00    47356.76
  BRAZOS RIVER   LOWER BRAZOS   266852.*      PF 1         759.17      759.01      0.16        0.00        0.00   5159481.00
441944.00   2401709.00    47363.23
  BRAZOS RIVER   LOWER BRAZOS   266847.*      PF 1         759.17      759.01      0.16        0.00        0.00   5160391.00
442196.30   2400546.00    47369.94
  BRAZOS RIVER   LOWER BRAZOS   266842.*      PF 1         759.17      759.01      0.16        0.00        0.00   5161188.00
442434.70   2399511.00    47376.40
  BRAZOS RIVER   LOWER BRAZOS   266837.*      PF 1         759.17      759.01      0.16        0.00        0.00   5162013.00
442654.80   2398466.00    47383.08
  BRAZOS RIVER   LOWER BRAZOS   266832.*      PF 1         759.17      759.01      0.16        0.00        0.00   5162912.00
442892.60   2397329.00    47389.64
  BRAZOS RIVER   LOWER BRAZOS   266827.*      PF 1         759.16      759.01      0.16        0.00        0.00   5163790.00
443159.10   2396184.00    47396.25
  BRAZOS RIVER   LOWER BRAZOS   266822.*      PF 1         759.16      759.00      0.16        0.00        0.00   5164547.00
443385.90   2395201.00    47402.82
  BRAZOS RIVER   LOWER BRAZOS   266817.*      PF 1         759.16      759.00      0.16        0.00        0.00   5165466.00
443618.80   2394049.00    47409.39
  BRAZOS RIVER   LOWER BRAZOS   266812.*      PF 1         759.16      759.00      0.16        0.00        0.00   5166333.00
443862.40   2392938.00    47416.10
  BRAZOS RIVER   LOWER BRAZOS   266807.*      PF 1         759.16      759.00      0.16        0.00        0.00   5167089.00
444091.50   2391953.00    47422.66
  BRAZOS RIVER   LOWER BRAZOS   266802.*      PF 1         759.16      759.00      0.16        0.00        0.00   5167986.00
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444339.90   2390807.00    47429.24
  BRAZOS RIVER   LOWER BRAZOS   266797.*      PF 1          759.16       759.00       0.16          0.00          0.00   5168833.00
444581.50   2389719.00    47435.79
  BRAZOS RIVER   LOWER BRAZOS   266792.*      PF 1          759.15       758.99       0.16          0.00          0.00   5169650.00
444828.40   2388655.00    47442.41
  BRAZOS RIVER   LOWER BRAZOS   266787.*      PF 1          759.15       758.99       0.16          0.00          0.00   5170506.00
445057.80   2387569.00    47448.97
  BRAZOS RIVER   LOWER BRAZOS   266782.*      PF 1          759.15       758.99       0.16          0.00          0.00   5171391.00
445311.10   2386431.00    47455.53
  BRAZOS RIVER   LOWER BRAZOS   266777.*      PF 1          759.15       758.99       0.16          0.00          0.00   5172212.00
445544.10   2385377.00    47462.25
  BRAZOS RIVER   LOWER BRAZOS   266772.*      PF 1          759.15       758.99       0.16          0.00          0.00   5173069.00
445786.80   2384277.00    47468.80
  BRAZOS RIVER   LOWER BRAZOS   266767.*      PF 1          759.15       758.99       0.16          0.00          0.00   5173933.00
446031.60   2383169.00    47475.41
  BRAZOS RIVER   LOWER BRAZOS   266762.*      PF 1          759.14       758.99       0.16          0.00          0.00   5174725.00
446272.50   2382136.00    47481.93
  BRAZOS RIVER   LOWER BRAZOS   266757.*      PF 1          759.14       758.98       0.16          0.00          0.00   5175623.00
446514.50   2380996.00    47488.55
  BRAZOS RIVER   LOWER BRAZOS   266752.*      PF 1          759.14       758.98       0.16          0.00          0.00   5176502.00
446761.80   2379870.00    47495.09
  BRAZOS RIVER   LOWER BRAZOS   266747.*      PF 1          759.14       758.98       0.16          0.00          0.00   5177308.00
447002.00   2378823.00    47501.80
  BRAZOS RIVER   LOWER BRAZOS   266742.*      PF 1          759.14       758.98       0.16          0.00          0.00   5178160.00
447249.70   2377724.00    47508.38
  BRAZOS RIVER   LOWER BRAZOS   266737.*      PF 1          759.14       758.98       0.16          0.00          0.00   5179044.00
447506.20   2376583.00    47514.93
  BRAZOS RIVER   LOWER BRAZOS   266732.*      PF 1          759.13       758.98       0.16          0.00          0.00   5179934.00
447739.50   2375461.00    47521.53
  BRAZOS RIVER   LOWER BRAZOS   266727.*      PF 1          759.13       758.97       0.16          0.00          0.00   5180681.00
447983.40   2374469.00    47528.09
  BRAZOS RIVER   LOWER BRAZOS   266722.*      PF 1          759.13       758.97       0.16          0.00          0.00   5181600.00
448224.90   2373308.00    47534.75
  BRAZOS RIVER   LOWER BRAZOS   266717.*      PF 1          759.13       758.97       0.16          0.00          0.00   5182501.00
448451.30   2372181.00    47541.20
  BRAZOS RIVER   LOWER BRAZOS   266712.*      PF 1          759.13       758.97       0.16          0.00          0.00   5183290.00
448688.50   2371155.00    47547.92
  BRAZOS RIVER   LOWER BRAZOS   266707.*      PF 1          759.13       758.97       0.16          0.00          0.00   5184165.00
448948.90   2370019.00    47554.52
  BRAZOS RIVER   LOWER BRAZOS   266702.*      PF 1          759.13       758.97       0.16          0.00          0.00   5185008.00
449195.20   2368930.00    47561.04
  BRAZOS RIVER   LOWER BRAZOS   266697.*      PF 1          759.12       758.96       0.16          0.00          0.00   5185855.00
449447.50   2367831.00    47567.75
  BRAZOS RIVER   LOWER BRAZOS   266692.*      PF 1          759.12       758.96       0.16          0.00          0.00   5186707.00
449676.70   2366750.00    47574.19
  BRAZOS RIVER   LOWER BRAZOS   266687.*      PF 1          759.12       758.96       0.16          0.00          0.00   5187577.00
449928.70   2365628.00    47580.86
  BRAZOS RIVER   LOWER BRAZOS   266682.*      PF 1          759.12       758.96       0.16          0.00          0.00   5188416.00
450174.00   2364543.00    47587.31
  BRAZOS RIVER   LOWER BRAZOS   266677.*      PF 1          759.12       758.96       0.16          0.00          0.00   5189297.00
450422.60   2363414.00    47594.01
  BRAZOS RIVER   LOWER BRAZOS   266672.*      PF 1          759.12       758.96       0.16          0.00          0.00   5190131.00
450657.70   2362345.00    47600.46
  BRAZOS RIVER   LOWER BRAZOS   266667.*      PF 1          759.11       758.95       0.16          0.00          0.00   5190984.00
450905.10   2361244.00    47607.14
  BRAZOS RIVER   LOWER BRAZOS   266662.*      PF 1          759.11       758.95       0.16          0.00          0.00   5191824.00
451161.20   2360149.00    47613.84
  BRAZOS RIVER   LOWER BRAZOS   266657.*      PF 1          759.11       758.95       0.16          0.00          0.00   5192759.00
451405.70   2358969.00    47620.27
  BRAZOS RIVER   LOWER BRAZOS   266652.*      PF 1          759.11       758.95       0.16          0.00          0.00   5193541.00
451642.40   2357950.00    47626.98
  BRAZOS RIVER   LOWER BRAZOS   266647.*      PF 1          759.11       758.95       0.16          0.00          0.00   5194398.00
451899.60   2356835.00    47633.39
  BRAZOS RIVER   LOWER BRAZOS   266642.*      PF 1          759.11       758.95       0.16          0.00          0.00   5195325.00
452139.50   2355668.00    47640.10
  BRAZOS RIVER   LOWER BRAZOS   266637.*      PF 1          759.10       758.94       0.16          0.00          0.00   5196069.00
452392.90   2354671.00    47646.65
  BRAZOS RIVER   LOWER BRAZOS   266632.*      PF 1          759.10       758.94       0.16          0.00          0.00   5196997.00
452624.50   2353512.00    47653.24
  BRAZOS RIVER   LOWER BRAZOS   266627.*      PF 1          759.10       758.94       0.16          0.00          0.00   5197896.00
452870.60   2352366.00    47659.91
  BRAZOS RIVER   LOWER BRAZOS   266622.*      PF 1          759.10       758.94       0.16          0.00          0.00   5198740.00
453115.90   2351278.00    47666.36
  BRAZOS RIVER   LOWER BRAZOS   266617.*      PF 1          759.10       758.94       0.16          0.00          0.00   5199528.00
453375.20   2350230.00    47673.05
  BRAZOS RIVER   LOWER BRAZOS   266612.*      PF 1          759.10       758.94       0.16          0.00          0.00   5200428.00
453612.70   2349093.00    47679.60
  BRAZOS RIVER   LOWER BRAZOS   266607.*      PF 1          759.10       758.93       0.16          0.00          0.00   5201309.00
453873.80   2347950.00    47686.17
  BRAZOS RIVER   LOWER BRAZOS   266602.*      PF 1          759.09       758.93       0.16          0.00          0.00   5202157.00
454118.00   2346858.00    47692.72
  BRAZOS RIVER   LOWER BRAZOS   266597.*      PF 1          759.09       758.93       0.16          0.00          0.00   5203006.00
454367.00   2345761.00    47699.31
  BRAZOS RIVER   LOWER BRAZOS   266592.*      PF 1          759.09       758.93       0.16          0.00          0.00   5203883.00
454613.60   2344637.00    47705.98
  BRAZOS RIVER   LOWER BRAZOS   266587.*      PF 1          759.09       758.93       0.16          0.00          0.00   5204739.00
454857.50   2343537.00    47712.41
  BRAZOS RIVER   LOWER BRAZOS   266582.*      PF 1          759.09       758.93       0.16          0.00          0.00   5205614.00
455127.30   2342392.00    47719.11
  BRAZOS RIVER   LOWER BRAZOS   266577.*      PF 1          759.09       758.92       0.16          0.00          0.00   5206454.00
455362.30   2341318.00    47725.66
  BRAZOS RIVER   LOWER BRAZOS   266572.*      PF 1          759.08       758.92       0.16          0.00          0.00   5207281.00
455617.60   2340235.00    47732.21
  BRAZOS RIVER   LOWER BRAZOS   266567.*      PF 1          759.08       758.92       0.16          0.00          0.00   5208179.00
455858.20   2339097.00    47738.77
  BRAZOS RIVER   LOWER BRAZOS   266562.*      PF 1          759.08       758.92       0.16          0.00          0.00   5209103.00
456111.30   2337919.00    47745.36
  BRAZOS RIVER   LOWER BRAZOS   266557.*      PF 1          759.08       758.92       0.16          0.00          0.00   5209915.00
456356.40   2336862.00    47752.06
  BRAZOS RIVER   LOWER BRAZOS   266552.*      PF 1          759.08       758.92       0.16          0.00          0.00   5210756.00
456616.10   2335761.00    47758.57
  BRAZOS RIVER   LOWER BRAZOS   266547.*      PF 1          759.08       758.91       0.16          0.00          0.00   5211675.00
456860.30   2334598.00    47765.16
  BRAZOS RIVER   LOWER BRAZOS   266542.*      PF 1          759.07       758.91       0.16          0.00          0.00   5212491.00
457108.40   2333534.00    47771.70
  BRAZOS RIVER   LOWER BRAZOS   266537.*      PF 1          759.07       758.91       0.16          0.00          0.00   5213343.00
457361.20   2332430.00    47778.30
  BRAZOS RIVER   LOWER BRAZOS   266532.*      PF 1          759.07       758.91       0.16          0.00          0.00   5214270.00
457601.20   2331262.00    47784.81
  BRAZOS RIVER   LOWER BRAZOS   266527.*      PF 1          759.07       758.91       0.16          0.00          0.00   5215155.00
457850.60   2330128.00    47791.51
  BRAZOS RIVER   LOWER BRAZOS   266522.*      PF 1          759.07       758.91       0.16          0.00          0.00   5215911.00
458112.60   2329109.00    47797.94
  BRAZOS RIVER   LOWER BRAZOS   266517.*      PF 1          759.07       758.90       0.16          0.00          0.00   5216828.00
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458368.60   2327937.00    47804.64
  BRAZOS RIVER   LOWER BRAZOS   266512.*      PF 1         759.06       758.90       0.16         0.00         0.00   5217743.00
458616.20   2326774.00    47811.20
  BRAZOS RIVER   LOWER BRAZOS   266507.*      PF 1         759.06       758.90       0.16         0.00         0.00   5218535.00
458871.30   2325727.00    47817.73
  BRAZOS RIVER   LOWER BRAZOS   266502.*      PF 1         759.06       758.90       0.16         0.00         0.00   5219457.00
459113.90   2324563.00    47824.43
  BRAZOS RIVER   LOWER BRAZOS   266497.*      PF 1         759.06       758.90       0.16         0.00         0.00   5220292.00
459368.40   2323473.00    47830.84
  BRAZOS RIVER   LOWER BRAZOS   266492.*      PF 1         759.06       758.90       0.16         0.00         0.00   5221146.00
459621.00   2322367.00    47837.53
  BRAZOS RIVER   LOWER BRAZOS   266487.*      PF 1         759.06       758.89       0.16         0.00         0.00   5222021.00
459873.20   2321239.00    47843.97
  BRAZOS RIVER   LOWER BRAZOS   266482.*      PF 1         759.06       758.89       0.16         0.00         0.00   5222846.00
460116.60   2320171.00    47850.66
  BRAZOS RIVER   LOWER BRAZOS   266477.*      PF 1         759.05       758.89       0.16         0.00         0.00   5223754.00
460372.20   2319008.00    47857.21
  BRAZOS RIVER   LOWER BRAZOS   266472.*      PF 1         759.05       758.89       0.16         0.00         0.00   5224651.00
460615.80   2317866.00    47863.76
  BRAZOS RIVER   LOWER BRAZOS   266467.*      PF 1         759.05       758.89       0.16         0.00         0.00   5225539.00
460871.20   2316723.00    47870.44
  BRAZOS RIVER   LOWER BRAZOS   266462.*      PF 1         759.05       758.89       0.16         0.00         0.00   5226308.00
461137.50   2315688.00    47876.88
  BRAZOS RIVER   LOWER BRAZOS   266457.*      PF 1         759.05       758.88       0.16         0.00         0.00   5227191.00
461396.80   2314545.00    47883.54
  BRAZOS RIVER   LOWER BRAZOS   266452.*      PF 1         759.05       758.88       0.16         0.00         0.00   5228143.00
461645.90   2313344.00    47889.99
  BRAZOS RIVER   LOWER BRAZOS   266447.*      PF 1         759.04       758.88       0.16         0.00         0.00   5228914.00
461897.90   2312321.00    47896.67
  BRAZOS RIVER   LOWER BRAZOS   266442.*      PF 1         759.04       758.88       0.16         0.00         0.00   5229803.00
462149.10   2311181.00    47903.36
  BRAZOS RIVER   LOWER BRAZOS   266437.*      PF 1         759.04       758.88       0.16         0.00         0.00   5230710.00
462395.70   2310028.00    47909.77
  BRAZOS RIVER   LOWER BRAZOS   266432.*      PF 1         759.04       758.88       0.16         0.00         0.00   5231569.00
462660.20   2308904.00    47916.45
  BRAZOS RIVER   LOWER BRAZOS   266427.*      PF 1         759.04       758.87       0.16         0.00         0.00   5232371.00
462903.40   2307859.00    47922.88
  BRAZOS RIVER   LOWER BRAZOS   266422.*      PF 1         759.04       758.87       0.16         0.00         0.00   5233263.00
463158.70   2306712.00    47929.57
  BRAZOS RIVER   LOWER BRAZOS   266417.*      PF 1         759.03       758.87       0.16         0.00         0.00   5234194.00
463424.60   2305515.00    47936.08
  BRAZOS RIVER   LOWER BRAZOS   266412.*      PF 1         759.03       758.87       0.16         0.00         0.00   5235027.00
463668.20   2304438.00    47942.66
  BRAZOS RIVER   LOWER BRAZOS   266407.*      PF 1         759.03       758.87       0.16         0.00         0.00   5235954.00
463907.00   2303272.00    47949.35
  BRAZOS RIVER   LOWER BRAZOS   266402.*      PF 1         759.03       758.87       0.16         0.00         0.00   5236813.00
464193.50   2302127.00    47955.78
  BRAZOS RIVER   LOWER BRAZOS   266397.*      PF 1         759.03       758.87       0.16         0.00         0.00   5237642.00
464442.50   2301048.00    47962.45
  BRAZOS RIVER   LOWER BRAZOS   266392.*      PF 1         759.03       758.86       0.16         0.00         0.00   5238546.00
464700.80   2299887.00    47968.88
  BRAZOS RIVER   LOWER BRAZOS   266387.*      PF 1         759.03       758.86       0.16         0.00         0.00   5239384.00
464944.00   2298806.00    47975.55
  BRAZOS RIVER   LOWER BRAZOS   266382.*      PF 1         759.02       758.86       0.16         0.00         0.00   5240268.00
465197.80   2297668.00    47982.07
  BRAZOS RIVER   LOWER BRAZOS   266377.*      PF 1         759.02       758.86       0.16         0.00         0.00   5241095.00
465463.30   2296575.00    47988.65
  BRAZOS RIVER   LOWER BRAZOS   266372.*      PF 1         759.02       758.86       0.16         0.00         0.00   5242011.00
465729.30   2295393.00    47995.18
  BRAZOS RIVER   LOWER BRAZOS   266367.*      PF 1         759.02       758.86       0.16         0.00         0.00   5242880.00
465985.80   2294267.00    48001.76
  BRAZOS RIVER   LOWER BRAZOS   266362.*      PF 1         759.02       758.85       0.16         0.00         0.00   5243744.00
466236.60   2293153.00    48008.42
  BRAZOS RIVER   LOWER BRAZOS   266357.*      PF 1         759.02       758.85       0.16         0.00         0.00   5244711.00
466496.30   2291926.00    48014.95
  BRAZOS RIVER   LOWER BRAZOS   266352.*      PF 1         759.01       758.85       0.16         0.00         0.00   5245458.00
466754.90   2290920.00    48021.52
  BRAZOS RIVER   LOWER BRAZOS   266347.*      PF 1         759.01       758.85       0.16         0.00         0.00   5246352.00
467002.40   2289779.00    48028.07
  BRAZOS RIVER   LOWER BRAZOS   266342.*      PF 1         759.01       758.85       0.16         0.00         0.00   5247267.00
467263.40   2288604.00    48034.62
  BRAZOS RIVER   LOWER BRAZOS   266337.*      PF 1         759.01       758.85       0.16         0.00         0.00   5248207.00
467515.70   2287411.00    48041.15
  BRAZOS RIVER   LOWER BRAZOS   266333.*      PF 1         759.01       758.84       0.16         0.00         0.00   5248991.00
467767.60   2286374.00    48047.84
  BRAZOS RIVER   LOWER BRAZOS   266328.*      PF 1         759.01       758.84       0.16         0.00         0.00   5249879.00
468030.60   2285224.00    48054.41
  BRAZOS RIVER   LOWER BRAZOS   266323.*      PF 1         759.00       758.84       0.16         0.00         0.00   5250814.00
468282.00   2284037.00    48060.91
  BRAZOS RIVER   LOWER BRAZOS   266318.*      PF 1         759.00       758.84       0.16         0.00         0.00   5251643.00
468546.50   2282944.00    48067.49
  BRAZOS RIVER   LOWER BRAZOS   266313.*      PF 1         759.00       758.84       0.16         0.00         0.00   5252519.00
468818.20   2281796.00    48074.02
  BRAZOS RIVER   LOWER BRAZOS   266308.*      PF 1         759.00       758.84       0.16         0.00         0.00   5253389.00
469064.90   2280679.00    48080.59
  BRAZOS RIVER   LOWER BRAZOS   266303.*      PF 1         759.00       758.83       0.16         0.00         0.00   5254240.00
469334.60   2279558.00    48087.11
  BRAZOS RIVER   LOWER BRAZOS   266298        PF 1         759.00       758.83       0.16                              5255131.00
469585.30   2278417.00    48093.76
  BRAZOS         UPPER BRAZOS   276887        PF 1         760.12       760.05       0.07         0.00         0.00   3290558.00
250706.30   3188735.00    31767.27
  BRAZOS         UPPER BRAZOS   276884.*      PF 1         760.12       760.05       0.07         0.00         0.00   3289587.00
251578.80   3188835.00    31771.99
  BRAZOS         UPPER BRAZOS   276881.*      PF 1         760.12       760.05       0.07         0.00         0.00   3288661.00
252440.00   3188900.00    31776.89
  BRAZOS         UPPER BRAZOS   276878.*      PF 1         760.12       760.05       0.07         0.00         0.00   3287660.00
253309.60   3189031.00    31781.51
  BRAZOS         UPPER BRAZOS   276875.*      PF 1         760.12       760.05       0.07         0.00         0.00   3286718.00
254176.90   3189106.00    31786.11
  BRAZOS         UPPER BRAZOS   276872.*      PF 1         760.12       760.05       0.07         0.00         0.00   3285744.00
255056.90   3189199.00    31791.02
  BRAZOS         UPPER BRAZOS   276869.*      PF 1         760.12       760.05       0.07         0.00         0.00   3284839.00
255917.70   3189243.00    31795.80
  BRAZOS         UPPER BRAZOS   276866.*      PF 1         760.12       760.05       0.07         0.00         0.00   3283873.00
256785.10   3189342.00    31800.58
  BRAZOS         UPPER BRAZOS   276863.*      PF 1         760.12       760.05       0.07         0.00         0.00   3282959.00
257649.00   3189392.00    31805.03
  BRAZOS         UPPER BRAZOS   276860.*      PF 1         760.12       760.05       0.07         0.00         0.00   3281936.00
258496.90   3189567.00    31809.95
  BRAZOS         UPPER BRAZOS   276857.*      PF 1         760.12       760.05       0.07         0.00         0.00   3281016.00
259361.40   3189623.00    31814.73
  BRAZOS         UPPER BRAZOS   276854.*      PF 1         760.12       760.05       0.07         0.00         0.00   3280074.00
260221.90   3189705.00    31819.52
  BRAZOS         UPPER BRAZOS   276852.*      PF 1         760.12       760.05       0.07         0.00         0.00   3279111.00
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261070.80   3189818.00    31824.31
  BRAZOS        UPPER BRAZOS   276849.*      PF 1          760.12       760.05       0.07          0.00          0.00   3278175.00
261930.60   3189895.00    31828.91
  BRAZOS        UPPER BRAZOS   276846.*      PF 1          760.12       760.05       0.07          0.00          0.00   3277228.00
262804.40   3189967.00    31833.70
  BRAZOS        UPPER BRAZOS   276843.*      PF 1          760.12       760.05       0.07          0.00          0.00   3276222.00
263653.00   3190125.00    31838.54
  BRAZOS        UPPER BRAZOS   276840.*      PF 1          760.12       760.04       0.07          0.00          0.00   3275336.00
264504.60   3190160.00    31843.49
  BRAZOS        UPPER BRAZOS   276837.*      PF 1          760.12       760.04       0.07          0.00          0.00   3274337.00
265360.50   3190302.00    31848.28
  BRAZOS        UPPER BRAZOS   276834.*      PF 1          760.12       760.04       0.07          0.00          0.00   3273425.00
266213.80   3190362.00    31852.75
  BRAZOS        UPPER BRAZOS   276831.*      PF 1          760.12       760.04       0.07          0.00          0.00   3272501.00
267059.30   3190441.00    31857.55
  BRAZOS        UPPER BRAZOS   276828.*      PF 1          760.11       760.04       0.07          0.00          0.00   3271548.00
267907.80   3190544.00    31862.50
  BRAZOS        UPPER BRAZOS   276825.*      PF 1          760.11       760.04       0.07          0.00          0.00   3270573.00
268758.10   3190669.00    31867.30
  BRAZOS        UPPER BRAZOS   276822.*      PF 1          760.11       760.04       0.07          0.00          0.00   3269647.00
269598.40   3190755.00    31871.95
  BRAZOS        UPPER BRAZOS   276819.*      PF 1          760.11       760.04       0.07          0.00          0.00   3268709.00
270467.50   3190824.00    31876.90
  BRAZOS        UPPER BRAZOS   276817.*      PF 1          760.11       760.04       0.07          0.00          0.00   3267751.00
271317.70   3190932.00    31881.55
  BRAZOS        UPPER BRAZOS   276814.*      PF 1          760.11       760.04       0.07          0.00          0.00   3266814.00
272153.20   3191033.00    31886.35
  BRAZOS        UPPER BRAZOS   276811.*      PF 1          760.11       760.04       0.07          0.00          0.00   3265870.00
273004.80   3191125.00    31891.17
  BRAZOS        UPPER BRAZOS   276808.*      PF 1          760.11       760.04       0.07          0.00          0.00   3264920.00
273849.00   3191231.00    31895.98
  BRAZOS        UPPER BRAZOS   276805.*      PF 1          760.11       760.04       0.07          0.00          0.00   3263990.00
274694.80   3191315.00    31900.79
  BRAZOS        UPPER BRAZOS   276802.*      PF 1          760.11       760.04       0.07          0.00          0.00   3263046.00
275531.60   3191422.00    31905.44
  BRAZOS        UPPER BRAZOS   276799.*      PF 1          760.11       760.04       0.07          0.00          0.00   3262124.00
276374.60   3191502.00    31910.27
  BRAZOS        UPPER BRAZOS   276796.*      PF 1          760.11       760.04       0.07          0.00          0.00   3261156.00
277224.30   3191620.00    31915.24
  BRAZOS        UPPER BRAZOS   276793.*      PF 1          760.11       760.04       0.07          0.00          0.00   3260228.00
278071.10   3191701.00    31919.90
  BRAZOS        UPPER BRAZOS   276790.*      PF 1          760.11       760.04       0.07          0.00          0.00   3259286.00
278911.60   3191803.00    31924.74
  BRAZOS        UPPER BRAZOS   276787.*      PF 1          760.11       760.04       0.07          0.00          0.00   3258329.00
279756.20   3191915.00    31929.55
  BRAZOS        UPPER BRAZOS   276784.*      PF 1          760.11       760.04       0.07          0.00          0.00   3257392.00
280591.20   3192018.00    31934.38
  BRAZOS        UPPER BRAZOS   276781.*      PF 1          760.11       760.03       0.07          0.00          0.00   3256470.00
281429.10   3192102.00    31939.05
  BRAZOS        UPPER BRAZOS   276779.*      PF 1          760.11       760.03       0.07          0.00          0.00   3255555.00
282269.20   3192176.00    31943.90
  BRAZOS        UPPER BRAZOS   276776.*      PF 1          760.11       760.03       0.07          0.00          0.00   3254588.00
283110.30   3192302.00    31948.88
  BRAZOS        UPPER BRAZOS   276773.*      PF 1          760.10       760.03       0.07          0.00          0.00   3253670.00
283935.70   3192394.00    31953.55
  BRAZOS        UPPER BRAZOS   276770.*      PF 1          760.10       760.03       0.07          0.00          0.00   3252727.00
284775.30   3192498.00    31958.40
  BRAZOS        UPPER BRAZOS   276767.*      PF 1          760.10       760.03       0.07          0.00          0.00   3251770.00
285631.00   3192599.00    31963.23
  BRAZOS        UPPER BRAZOS   276764.*      PF 1          760.10       760.03       0.07          0.00          0.00   3250842.00
286459.00   3192699.00    31968.08
  BRAZOS        UPPER BRAZOS   276761.*      PF 1          760.10       760.03       0.07          0.00          0.00   3249918.00
287293.70   3192789.00    31972.93
  BRAZOS        UPPER BRAZOS   276758.*      PF 1          760.10       760.03       0.07          0.00          0.00   3248972.00
288127.90   3192900.00    31977.61
  BRAZOS        UPPER BRAZOS   276755.*      PF 1          760.10       760.03       0.07          0.00          0.00   3247999.00
288958.10   3193043.00    31982.66
  BRAZOS        UPPER BRAZOS   276752.*      PF 1          760.10       760.03       0.07          0.00          0.00   3247078.00
289786.70   3193136.00    31987.35
  BRAZOS        UPPER BRAZOS   276749.*      PF 1          760.10       760.03       0.07          0.00          0.00   3246196.00
290622.10   3193182.00    31992.22
  BRAZOS        UPPER BRAZOS   276746.*      PF 1          760.10       760.03       0.07          0.00          0.00   3245249.00
291457.20   3193294.00    31997.08
  BRAZOS        UPPER BRAZOS   276744.*      PF 1          760.10       760.03       0.07          0.00          0.00   3244306.00
292280.50   3193414.00    32001.92
  BRAZOS        UPPER BRAZOS   276741.*      PF 1          760.10       760.03       0.07          0.00          0.00   3243379.00
293109.30   3193511.00    32006.64
  BRAZOS        UPPER BRAZOS   276738.*      PF 1          760.10       760.03       0.07          0.00          0.00   3242437.00
293957.30   3193606.00    32011.51
  BRAZOS        UPPER BRAZOS   276735.*      PF 1          760.10       760.03       0.07          0.00          0.00   3241502.00
294781.00   3193717.00    32016.54
  BRAZOS        UPPER BRAZOS   276732.*      PF 1          760.10       760.03       0.07          0.00          0.00   3240578.00
295614.30   3193809.00    32021.40
  BRAZOS        UPPER BRAZOS   276729.*      PF 1          760.10       760.03       0.07          0.00          0.00   3239662.00
296442.90   3193895.00    32026.11
  BRAZOS        UPPER BRAZOS   276726.*      PF 1          760.10       760.03       0.07          0.00          0.00   3238714.00
297260.20   3194026.00    32030.84
  BRAZOS        UPPER BRAZOS   276723.*      PF 1          760.10       760.03       0.07          0.00          0.00   3237772.00
298090.30   3194138.00    32035.87
  BRAZOS        UPPER BRAZOS   276720.*      PF 1          760.10       760.03       0.07          0.00          0.00   3236834.00
298917.20   3194249.00    32040.75
  BRAZOS        UPPER BRAZOS   276717.*      PF 1          760.10       760.02       0.07          0.00          0.00   3235924.00
299744.70   3194332.00    32045.63
  BRAZOS        UPPER BRAZOS   276714.*      PF 1          760.10       760.02       0.07          0.00          0.00   3235005.00
300565.40   3194430.00    32050.51
  BRAZOS        UPPER BRAZOS   276711.*      PF 1          760.09       760.02       0.07          0.00          0.00   3234060.00
301408.70   3194532.00    32055.25
  BRAZOS        UPPER BRAZOS   276709.*      PF 1          760.09       760.02       0.07          0.00          0.00   3233150.00
302234.10   3194616.00    32060.14
  BRAZOS        UPPER BRAZOS   276706.*      PF 1          760.09       760.02       0.07          0.00          0.00   3232201.00
303050.20   3194749.00    32065.03
  BRAZOS        UPPER BRAZOS   276703.*      PF 1          760.09       760.02       0.07          0.00          0.00   3231260.00
303873.30   3194867.00    32070.08
  BRAZOS        UPPER BRAZOS   276700.*      PF 1          760.09       760.02       0.07          0.00          0.00   3230341.00
304699.50   3194959.00    32074.66
  BRAZOS        UPPER BRAZOS   276697.*      PF 1          760.09       760.02       0.07          0.00          0.00   3229424.00
305522.20   3195054.00    32079.55
  BRAZOS        UPPER BRAZOS   276694.*      PF 1          760.09       760.02       0.07          0.00          0.00   3228505.00
306334.10   3195160.00    32084.46
  BRAZOS        UPPER BRAZOS   276691.*      PF 1          760.09       760.02       0.07          0.00          0.00   3227583.00
307163.40   3195254.00    32089.52
  BRAZOS        UPPER BRAZOS   276688.*      PF 1          760.09       760.02       0.07          0.00          0.00   3226636.00
307980.80   3195383.00    32094.43
  BRAZOS        UPPER BRAZOS   276685.*      PF 1          760.09       760.02       0.07          0.00          0.00   3225716.00
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308812.80   3195471.00    32099.20
  BRAZOS        UPPER BRAZOS   276682.*      PF 1          760.09       760.02       0.07          0.00          0.00   3224801.00
309633.00   3195566.00    32104.09
  BRAZOS        UPPER BRAZOS   276679.*      PF 1          760.09       760.02       0.07          0.00          0.00   3223853.00
310458.60   3195688.00    32109.00
  BRAZOS        UPPER BRAZOS   276676.*      PF 1          760.09       760.02       0.07          0.00          0.00   3222963.00
311267.60   3195770.00    32113.92
  BRAZOS        UPPER BRAZOS   276674.*      PF 1          760.09       760.02       0.07          0.00          0.00   3222034.00
312084.20   3195881.00    32118.83
  BRAZOS        UPPER BRAZOS   276671.*      PF 1          760.09       760.02       0.07          0.00          0.00   3221074.00
312902.60   3196023.00    32123.77
  BRAZOS        UPPER BRAZOS   276668.*      PF 1          760.09       760.02       0.07          0.00          0.00   3220157.00
313722.50   3196121.00    32128.55
  BRAZOS        UPPER BRAZOS   276665.*      PF 1          760.09       760.02       0.07          0.00          0.00   3219245.00
314530.20   3196226.00    32133.48
  BRAZOS        UPPER BRAZOS   276662.*      PF 1          760.09       760.02       0.07          0.00          0.00   3218310.00
315348.20   3196342.00    32138.57
  BRAZOS        UPPER BRAZOS   276659.*      PF 1          760.09       760.02       0.07          0.00          0.00   3217362.00
316185.50   3196453.00    32143.35
  BRAZOS        UPPER BRAZOS   276656.*      PF 1          760.09       760.02       0.07          0.00          0.00   3216476.00
316988.50   3196536.00    32148.29
  BRAZOS        UPPER BRAZOS   276653.*      PF 1          760.09       760.02       0.07          0.00          0.00   3215558.00
317806.30   3196636.00    32153.05
  BRAZOS        UPPER BRAZOS   276650.*      PF 1          760.09       760.02       0.07          0.00          0.00   3214600.00
318623.70   3196776.00    32158.14
  BRAZOS        UPPER BRAZOS   276647.*      PF 1          760.08       760.01       0.07          0.00          0.00   3213708.00
319426.10   3196866.00    32163.07
  BRAZOS        UPPER BRAZOS   276644.*      PF 1          760.08       760.01       0.07          0.00          0.00   3212780.00
320243.20   3196977.00    32167.88
  BRAZOS        UPPER BRAZOS   276641.*      PF 1          760.08       760.01       0.07          0.00          0.00   3211883.00
321057.20   3197061.00    32172.83
  BRAZOS        UPPER BRAZOS   276639.*      PF 1          760.08       760.01       0.07          0.00          0.00   3210918.00
321863.20   3197219.00    32177.75
  BRAZOS        UPPER BRAZOS   276636.*      PF 1          760.08       760.01       0.07          0.00          0.00   3209996.00
322673.60   3197330.00    32182.70
  BRAZOS        UPPER BRAZOS   276633.*      PF 1          760.08       760.01       0.07          0.00          0.00   3209094.00
323504.40   3197402.00    32187.66
  BRAZOS        UPPER BRAZOS   276630.*      PF 1          760.08       760.01       0.07          0.00          0.00   3208168.00
324317.20   3197515.00    32192.64
  BRAZOS        UPPER BRAZOS   276627.*      PF 1          760.08       760.01       0.07          0.00          0.00   3207254.00
325119.50   3197627.00    32197.60
  BRAZOS        UPPER BRAZOS   276624.*      PF 1          760.08       760.01       0.07          0.00          0.00   3206351.00
325935.80   3197714.00    32202.37
  BRAZOS        UPPER BRAZOS   276621.*      PF 1          760.08       760.01       0.07          0.00          0.00   3205423.00
326739.20   3197838.00    32207.33
  BRAZOS        UPPER BRAZOS   276618.*      PF 1          760.08       760.01       0.07          0.00          0.00   3204505.00
327539.70   3197955.00    32212.32
  BRAZOS        UPPER BRAZOS   276615.*      PF 1          760.08       760.01       0.07          0.00          0.00   3203570.00
328352.30   3198078.00    32217.29
  BRAZOS        UPPER BRAZOS   276612.*      PF 1          760.08       760.01       0.07          0.00          0.00   3202678.00
329160.90   3198161.00    32222.26
  BRAZOS        UPPER BRAZOS   276609.*      PF 1          760.08       760.01       0.07          0.00          0.00   3201765.00
329972.90   3198263.00    32227.20
  BRAZOS        UPPER BRAZOS   276606.*      PF 1          760.08       760.01       0.07          0.00          0.00   3200839.00
330790.10   3198371.00    32232.18
  BRAZOS        UPPER BRAZOS   276604.*      PF 1          760.08       760.01       0.07          0.00          0.00   3199897.00
331592.60   3198511.00    32237.03
  BRAZOS        UPPER BRAZOS   276601.*      PF 1          760.08       760.01       0.07          0.00          0.00   3198990.00
332402.20   3198608.00    32242.01
  BRAZOS        UPPER BRAZOS   276598.*      PF 1          760.08       760.01       0.07          0.00          0.00   3198082.00
333202.10   3198716.00    32247.15
  BRAZOS        UPPER BRAZOS   276595.*      PF 1          760.08       760.01       0.07          0.00          0.00   3197136.00
334009.80   3198854.00    32251.95
  BRAZOS        UPPER BRAZOS   276592.*      PF 1          760.08       760.01       0.07          0.00          0.00   3196251.00
334814.30   3198935.00    32256.93
  BRAZOS        UPPER BRAZOS   276589.*      PF 1          760.08       760.01       0.07          0.00          0.00   3195356.00
335607.80   3199036.00    32261.80
  BRAZOS        UPPER BRAZOS   276586.*      PF 1          760.08       760.01       0.07          0.00          0.00   3194434.00
336416.00   3199150.00    32266.95
  BRAZOS        UPPER BRAZOS   276583.*      PF 1          760.07       760.01       0.07          0.00          0.00   3193495.00
337219.40   3199286.00    32271.95
  BRAZOS        UPPER BRAZOS   276580.*      PF 1          760.07       760.00       0.07          0.00          0.00   3192593.00
338042.00   3199365.00    32276.79
  BRAZOS        UPPER BRAZOS   276577.*      PF 1          760.07       760.00       0.07          0.00          0.00   3191652.00
338833.20   3199515.00    32281.82
  BRAZOS        UPPER BRAZOS   276574.*      PF 1          760.07       760.00       0.07          0.00          0.00   3190772.00
339644.10   3199585.00    32286.82
  BRAZOS        UPPER BRAZOS   276571.*      PF 1          760.07       760.00       0.07          0.00          0.00   3189854.00
340440.80   3199706.00    32291.83
  BRAZOS        UPPER BRAZOS   276568.*      PF 1          760.07       760.00       0.07          0.00          0.00   3188939.00
341230.50   3199831.00    32296.85
  BRAZOS        UPPER BRAZOS   276566.*      PF 1          760.07       760.00       0.07          0.00          0.00   3188017.00
342032.10   3199951.00    32302.02
  BRAZOS        UPPER BRAZOS   276563.*      PF 1          760.07       760.00       0.07          0.00          0.00   3187104.00
342836.70   3200060.00    32306.71
  BRAZOS        UPPER BRAZOS   276560.*      PF 1          760.07       760.00       0.07          0.00          0.00   3186197.00
343630.00   3200174.00    32311.73
  BRAZOS        UPPER BRAZOS   276557.*      PF 1          760.07       760.00       0.07          0.00          0.00   3185290.00
344433.20   3200277.00    32316.91
  BRAZOS        UPPER BRAZOS   276554.*      PF 1          760.07       760.00       0.07          0.00          0.00   3184366.00
345247.90   3200386.00    32321.94
  BRAZOS        UPPER BRAZOS   276551.*      PF 1          760.07       760.00       0.07          0.00          0.00   3183467.00
346042.40   3200490.00    32326.96
  BRAZOS        UPPER BRAZOS   276548.*      PF 1          760.07       760.00       0.07          0.00          0.00   3182543.00
346836.70   3200621.00    32331.67
  BRAZOS        UPPER BRAZOS   276545.*      PF 1          760.07       760.00       0.07          0.00          0.00   3181639.00
347635.80   3200725.00    32336.86
  BRAZOS        UPPER BRAZOS   276542.*      PF 1          760.07       760.00       0.07          0.00          0.00   3180726.00
348435.30   3200839.00    32341.90
  BRAZOS        UPPER BRAZOS   276539.*      PF 1          760.07       760.00       0.07          0.00          0.00   3179828.00
349221.60   3200951.00    32346.93
  BRAZOS        UPPER BRAZOS   276536.*      PF 1          760.07       760.00       0.07          0.00          0.00   3178911.00
350013.30   3201076.00    32351.85
  BRAZOS        UPPER BRAZOS   276533.*      PF 1          760.07       760.00       0.07          0.00          0.00   3178003.00
350815.60   3201182.00    32356.86
  BRAZOS        UPPER BRAZOS   276531.*      PF 1          760.07       760.00       0.07          0.00          0.00   3177098.00
351600.50   3201302.00    32361.90
  BRAZOS        UPPER BRAZOS   276528.*      PF 1          760.07       760.00       0.07          0.00          0.00   3176221.00
352420.20   3201359.00    32366.95
  BRAZOS        UPPER BRAZOS   276525.*      PF 1          760.07       760.00       0.07          0.00          0.00   3175297.00
353214.80   3201488.00    32372.17
  BRAZOS        UPPER BRAZOS   276522.*      PF 1          760.07       760.00       0.07          0.00          0.00   3174366.00
354003.50   3201630.00    32377.10
  BRAZOS        UPPER BRAZOS   276519.*      PF 1          760.06       760.00       0.07          0.00          0.00   3173444.00
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354793.00   3201763.00    32381.95
  BRAZOS        UPPER BRAZOS   276516.*      PF 1          760.06       760.00       0.07         0.00         0.00   3172560.00
355585.40   3201855.00    32387.02
  BRAZOS        UPPER BRAZOS   276513.*      PF 1          760.06       759.99       0.07         0.00         0.00   3171633.00
356380.30   3201987.00    32392.25
  BRAZOS        UPPER BRAZOS   276510.*      PF 1          760.06       759.99       0.07         0.00         0.00   3170745.00
357164.20   3202091.00    32397.32
  BRAZOS        UPPER BRAZOS   276507.*      PF 1          760.06       759.99       0.07         0.00         0.00   3169835.00
357958.70   3202206.00    32402.26
  BRAZOS        UPPER BRAZOS   276504.*      PF 1          760.06       759.99       0.07         0.00         0.00   3168947.00
358749.60   3202304.00    32407.29
  BRAZOS        UPPER BRAZOS   276501.*      PF 1          760.06       759.99       0.07         0.00         0.00   3168022.00
359547.00   3202431.00    32412.37
  BRAZOS        UPPER BRAZOS   276498.*      PF 1          760.06       759.99       0.07         0.00         0.00   3167110.00
360343.60   3202547.00    32417.45
  BRAZOS        UPPER BRAZOS   276496.*      PF 1          760.06       759.99       0.07         0.00         0.00   3166210.00
361131.80   3202658.00    32422.43
  BRAZOS        UPPER BRAZOS   276493.*      PF 1          760.06       759.99       0.07         0.00         0.00   3165299.00
361920.40   3202781.00    32427.67
  BRAZOS        UPPER BRAZOS   276490.*      PF 1          760.06       759.99       0.07         0.00         0.00   3164414.00
362706.30   3202880.00    32432.56
  BRAZOS        UPPER BRAZOS   276487.*      PF 1          760.06       759.99       0.07         0.00         0.00   3163490.00
363492.10   3203018.00    32437.64
  BRAZOS        UPPER BRAZOS   276484.*      PF 1          760.06       759.99       0.07         0.00         0.00   3162572.00
364280.40   3203147.00    32442.74
  BRAZOS        UPPER BRAZOS   276481.*      PF 1          760.06       759.99       0.07         0.00         0.00   3161656.00
365058.20   3203286.00    32447.88
  BRAZOS        UPPER BRAZOS   276478.*      PF 1          760.06       759.99       0.07         0.00         0.00   3160782.00
365852.00   3203366.00    32452.98
  BRAZOS        UPPER BRAZOS   276475.*      PF 1          760.06       759.99       0.07         0.00         0.00   3159879.00
366656.80   3203464.00    32457.88
  BRAZOS        UPPER BRAZOS   276472.*      PF 1          760.06       759.99       0.07         0.00         0.00   3158965.00
367433.70   3203602.00    32463.14
  BRAZOS        UPPER BRAZOS   276469.*      PF 1          760.06       759.99       0.07         0.00         0.00   3158090.00
368222.30   3203688.00    32468.25
  BRAZOS        UPPER BRAZOS   276466.*      PF 1          760.06       759.99       0.07         0.00         0.00   3157151.00
369007.20   3203842.00    32473.24
  BRAZOS        UPPER BRAZOS   276463.*      PF 1          760.06       759.99       0.07         0.00         0.00   3156271.00
369784.80   3203944.00    32478.36
  BRAZOS        UPPER BRAZOS   276461.*      PF 1          760.06       759.99       0.07         0.00         0.00   3155369.00
370569.70   3204062.00    32483.42
  BRAZOS        UPPER BRAZOS   276458.*      PF 1          760.06       759.99       0.07         0.00         0.00   3154472.00
371355.50   3204173.00    32488.54
  BRAZOS        UPPER BRAZOS   276455.*      PF 1          760.06       759.99       0.07         0.00         0.00   3153581.00
372144.30   3204275.00    32493.54
  BRAZOS        UPPER BRAZOS   276452.*      PF 1          760.05       759.99       0.07         0.00         0.00   3152667.00
372918.10   3204415.00    32498.85
  BRAZOS        UPPER BRAZOS   276449.*      PF 1          760.05       759.99       0.07         0.00         0.00   3151774.00
373697.80   3204528.00    32503.97
  BRAZOS        UPPER BRAZOS   276446.*      PF 1          760.05       759.99       0.07         0.00         0.00   3150853.00
374499.80   3204648.00    32508.89
  BRAZOS        UPPER BRAZOS   276443.*      PF 1          760.05       759.98       0.07         0.00         0.00   3149944.00
375277.80   3204778.00    32514.02
  BRAZOS        UPPER BRAZOS   276440.*      PF 1          760.05       759.98       0.07         0.00         0.00   3149075.00
376063.20   3204862.00    32519.21
  BRAZOS        UPPER BRAZOS   276437.*      PF 1          760.05       759.98       0.07         0.00         0.00   3148167.00
376846.60   3204987.00    32524.36
  BRAZOS        UPPER BRAZOS   276434.*      PF 1          760.05       759.98       0.07         0.00         0.00   3147297.00
377611.80   3205091.00    32529.50
  BRAZOS        UPPER BRAZOS   276431.*      PF 1          760.05       759.98       0.07         0.00         0.00   3146380.00
378391.60   3205229.00    32534.64
  BRAZOS        UPPER BRAZOS   276428.*      PF 1          760.05       759.98       0.07         0.00         0.00   3145485.00
379176.80   3205338.00    32539.75
  BRAZOS        UPPER BRAZOS   276426.*      PF 1          760.05       759.98       0.07         0.00         0.00   3144578.00
379955.80   3205467.00    32544.79
  BRAZOS        UPPER BRAZOS   276423.*      PF 1          760.05       759.98       0.07         0.00         0.00   3143685.00
380730.20   3205585.00    32549.95
  BRAZOS        UPPER BRAZOS   276420.*      PF 1          760.05       759.98       0.07         0.00         0.00   3142774.00
381528.10   3205698.00    32597.55
  BRAZOS        UPPER BRAZOS   276417.*      PF 1          760.05       759.98       0.07         0.00         0.00   3141872.00
382309.80   3205818.00    32669.16
  BRAZOS        UPPER BRAZOS   276414.*      PF 1          760.05       759.98       0.07         0.00         0.00   3140960.00
383072.40   3205968.00    32759.08
  BRAZOS        UPPER BRAZOS   276411.*      PF 1          760.05       759.98       0.07         0.00         0.00   3140086.00
383851.30   3206062.00    32787.27
  BRAZOS        UPPER BRAZOS   276408.*      PF 1          760.05       759.98       0.07         0.00         0.00   3139195.00
384636.30   3206169.00    32806.74
  BRAZOS        UPPER BRAZOS   276405.*      PF 1          760.05       759.98       0.07         0.00         0.00   3138284.00
385403.60   3206312.00    32826.31
  BRAZOS        UPPER BRAZOS   276402.*      PF 1          760.05       759.98       0.07         0.00         0.00   3137403.00
386178.40   3206419.00    32845.79
  BRAZOS        UPPER BRAZOS   276399.*      PF 1          760.05       759.98       0.07         0.00         0.00   3136471.00
386951.50   3206577.00    32865.07
  BRAZOS        UPPER BRAZOS   276396.*      PF 1          760.05       759.98       0.07         0.00         0.00   3135582.00
387729.20   3206689.00    32886.46
  BRAZOS        UPPER BRAZOS   276393.*      PF 1          760.05       759.98       0.07         0.00         0.00   3134730.00
388514.30   3206756.00    32906.38
  BRAZOS        UPPER BRAZOS   276390.*      PF 1          760.05       759.98       0.07         0.00         0.00   3133807.00
389291.90   3206901.00    32926.19
  BRAZOS        UPPER BRAZOS   276388.*      PF 1          760.04       759.98       0.07         0.00         0.00   3132886.00
390068.60   3207045.00    32946.27
  BRAZOS        UPPER BRAZOS   276385.*      PF 1          760.04       759.98       0.07         0.00         0.00   3132027.00
390827.60   3207145.00    32965.88
  BRAZOS        UPPER BRAZOS   276382.*      PF 1          760.04       759.98       0.07         0.00         0.00   3131110.00
391602.20   3207288.00    32985.96
  BRAZOS        UPPER BRAZOS   276379.*      PF 1          760.04       759.98       0.07         0.00         0.00   3130225.00
392377.90   3207397.00    33007.78
  BRAZOS        UPPER BRAZOS   276376.*      PF 1          760.04       759.97       0.07         0.00         0.00   3129334.00
393144.80   3207521.00    33028.22
  BRAZOS        UPPER BRAZOS   276373.*      PF 1          760.04       759.97       0.07         0.00         0.00   3128474.00
393917.50   3207609.00    33048.66
  BRAZOS        UPPER BRAZOS   276370.*      PF 1          760.04       759.97       0.07         0.00         0.00   3127563.00
394688.30   3207749.00    33068.55
  BRAZOS        UPPER BRAZOS   276367.*      PF 1          760.04       759.97       0.07         0.00         0.00   3126644.00
395480.50   3207876.00    33089.28
  BRAZOS        UPPER BRAZOS   276364.*      PF 1          760.04       759.97       0.07         0.00         0.00   3125749.00
396240.10   3208011.00    33110.12
  BRAZOS        UPPER BRAZOS   276361.*      PF 1          760.04       759.97       0.07         0.00         0.00   3124837.00
397012.90   3208150.00    33132.37
  BRAZOS        UPPER BRAZOS   276358.*      PF 1          760.04       759.97       0.07         0.00         0.00   3123983.00
397784.10   3208233.00    33153.11
  BRAZOS        UPPER BRAZOS   276355.*      PF 1          760.04       759.97       0.07         0.00         0.00   3123065.00
398543.10   3208392.00    33173.52
  BRAZOS        UPPER BRAZOS   276353.*      PF 1          760.04       759.97       0.07         0.00         0.00   3122196.00
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399313.00   3208491.00    33194.73
  BRAZOS        UPPER BRAZOS   276350.*      PF 1          760.04       759.97       0.07         0.00         0.00   3121301.00
400083.00   3208616.00    33215.88
  BRAZOS        UPPER BRAZOS   276347.*      PF 1          760.04       759.97       0.07         0.00         0.00   3120392.00
400842.70   3208766.00    33237.31
  BRAZOS        UPPER BRAZOS   276344.*      PF 1          760.04       759.97       0.07         0.00         0.00   3119495.00
401610.30   3208895.00    33258.75
  BRAZOS        UPPER BRAZOS   276341.*      PF 1          760.04       759.97       0.07         0.00         0.00   3118617.00
402400.70   3208983.00    33280.68
  BRAZOS        UPPER BRAZOS   276338.*      PF 1          760.04       759.97       0.07         0.00         0.00   3117732.00
403169.70   3209098.00    33302.23
  BRAZOS        UPPER BRAZOS   276335.*      PF 1          760.04       759.97       0.07         0.00         0.00   3116837.00
403929.50   3209234.00    33324.06
  BRAZOS        UPPER BRAZOS   276332.*      PF 1          760.04       759.97       0.07         0.00         0.00   3115945.00
404691.20   3209364.00    33345.92
  BRAZOS        UPPER BRAZOS   276329.*      PF 1          760.04       759.97       0.07         0.00         0.00   3115056.00
405456.10   3209488.00    33367.82
  BRAZOS        UPPER BRAZOS   276326.*      PF 1          760.04       759.97       0.07         0.00         0.00   3114158.00
406213.30   3209629.00    33388.80
  BRAZOS        UPPER BRAZOS   276323.*      PF 1          760.03       759.97       0.07         0.00         0.00   3113248.00
406983.60   3209769.00    33412.41
  BRAZOS        UPPER BRAZOS   276320.*      PF 1          760.03       759.97       0.07         0.00         0.00   3112364.00
407747.70   3209888.00    33434.64
  BRAZOS        UPPER BRAZOS   276318.*      PF 1          760.03       759.97       0.07         0.00         0.00   3111498.00
408508.60   3209993.00    33456.86
  BRAZOS        UPPER BRAZOS   276315.*      PF 1          760.03       759.97       0.07         0.00         0.00   3110591.00
409284.30   3210125.00    33479.48
  BRAZOS        UPPER BRAZOS   276312.*      PF 1          760.03       759.97       0.07         0.00         0.00   3109679.00
410053.00   3210269.00    33502.22
  BRAZOS        UPPER BRAZOS   276309.*      PF 1          760.03       759.97       0.07         0.00         0.00   3108791.00
410812.30   3210397.00    33523.68
  BRAZOS        UPPER BRAZOS   276306.*      PF 1          760.03       759.96       0.07         0.00         0.00   3107901.00
411566.10   3210533.00    33547.48
  BRAZOS        UPPER BRAZOS   276303.*      PF 1          760.03       759.96       0.07         0.00         0.00   3107009.00
412330.50   3210661.00    33570.61
  BRAZOS        UPPER BRAZOS   276300.*      PF 1          760.03       759.96       0.07         0.00         0.00   3106133.00
413086.00   3210781.00    33593.65
  BRAZOS        UPPER BRAZOS   276297.*      PF 1          760.03       759.96       0.07         0.00         0.00   3105240.00
413839.40   3210921.00    33616.80
  BRAZOS        UPPER BRAZOS   276294.*      PF 1          760.03       759.96       0.07         0.00         0.00   3104322.00
414600.70   3211078.00    33639.00
  BRAZOS        UPPER BRAZOS   276291.*      PF 1          760.03       759.96       0.07         0.00         0.00   3103463.00
415366.90   3211170.00    33662.29
  BRAZOS        UPPER BRAZOS   276288.*      PF 1          760.03       759.96       0.07         0.00         0.00   3102579.00
416137.80   3211283.00    33685.80
  BRAZOS        UPPER BRAZOS   276285.*      PF 1          760.03       759.96       0.07         0.00         0.00   3101693.00
416900.40   3211407.00    33710.27
  BRAZOS        UPPER BRAZOS   276283.*      PF 1          760.03       759.96       0.07         0.00         0.00   3100788.00
417658.40   3211554.00    33734.37
  BRAZOS        UPPER BRAZOS   276280.*      PF 1          760.03       759.96       0.07         0.00         0.00   3099874.00
418412.50   3211714.00    33756.66
  BRAZOS        UPPER BRAZOS   276277.*      PF 1          760.03       759.96       0.07         0.00         0.00   3099006.00
419161.20   3211833.00    33780.57
  BRAZOS        UPPER BRAZOS   276274.*      PF 1          760.03       759.96       0.07         0.00         0.00   3098131.00
419921.70   3211948.00    33804.88
  BRAZOS        UPPER BRAZOS   276271.*      PF 1          760.03       759.96       0.07         0.00         0.00   3097209.00
420683.60   3212108.00    33829.37
  BRAZOS        UPPER BRAZOS   276268.*      PF 1          760.03       759.96       0.07         0.00         0.00   3096352.00
421428.80   3212219.00    33854.41
  BRAZOS        UPPER BRAZOS   276265.*      PF 1          760.03       759.96       0.07         0.00         0.00   3095449.00
422185.40   3212366.00    33877.13
  BRAZOS        UPPER BRAZOS   276262.*      PF 1          760.03       759.96       0.07         0.00         0.00   3094538.00
422956.80   3212505.00    33902.04
  BRAZOS        UPPER BRAZOS   276259.*      PF 1          760.02       759.96       0.07         0.00         0.00   3093658.00
423716.50   3212625.00    33926.85
  BRAZOS        UPPER BRAZOS   276256.*      PF 1          760.02       759.96       0.07         0.00         0.00   3092796.00
424467.20   3212737.00    33951.83
  BRAZOS        UPPER BRAZOS   276253.*      PF 1          760.02       759.96       0.07         0.00         0.00   3091920.00
425220.30   3212861.00    33977.10
  BRAZOS        UPPER BRAZOS   276250.*      PF 1          760.02       759.96       0.07         0.00         0.00   3090986.00
425977.90   3213037.00    34000.79
  BRAZOS        UPPER BRAZOS   276248.*      PF 1          760.02       759.96       0.07         0.00         0.00   3090128.00
426718.20   3213154.00    34026.14
  BRAZOS        UPPER BRAZOS   276245.*      PF 1          760.02       759.96       0.07         0.00         0.00   3089219.00
427475.00   3213306.00    34051.64
  BRAZOS        UPPER BRAZOS   276242.*      PF 1          760.02       759.96       0.07         0.00         0.00   3088326.00
428230.60   3213443.00    34077.65
  BRAZOS        UPPER BRAZOS   276239.*      PF 1          760.02       759.95       0.07         0.00         0.00   3087459.00
428971.90   3213569.00    34103.48
  BRAZOS        UPPER BRAZOS   276236.*      PF 1          760.02       759.95       0.07         0.00         0.00   3086547.00
429745.00   3213708.00    34127.10
  BRAZOS        UPPER BRAZOS   276233.*      PF 1          760.02       759.95       0.07         0.00         0.00   3085658.00
430495.10   3213847.00    34153.52
  BRAZOS        UPPER BRAZOS   276230.*      PF 1          760.02       759.95       0.07         0.00         0.00   3084750.00
431251.60   3213998.00    34179.94
  BRAZOS        UPPER BRAZOS   276227.*      PF 1          760.02       759.95       0.07         0.00         0.00   3083844.00
431986.30   3214170.00    34206.35
  BRAZOS        UPPER BRAZOS   276224.*      PF 1          760.02       759.95       0.07         0.00         0.00   3082991.00
432738.80   3214271.00    34232.97
  BRAZOS        UPPER BRAZOS   276221.*      PF 1          760.02       759.95       0.07         0.00         0.00   3147972.00
442754.50   3139274.00    34251.66
  BRAZOS        UPPER BRAZOS   276218.*      PF 1          760.02       759.95       0.07         0.00         0.00   3146855.00
443488.60   3139657.00    34256.05
  BRAZOS        UPPER BRAZOS   276215.*      PF 1          760.02       759.95       0.07         0.00         0.00   3145756.00
444224.10   3140020.00    34260.28
  BRAZOS        UPPER BRAZOS   276212.*      PF 1          760.02       759.95       0.07         0.00         0.00   3144673.00
444957.50   3140370.00    34264.66
  BRAZOS        UPPER BRAZOS   276210.*      PF 1          760.02       759.95       0.07         0.00         0.00   3143526.00
445706.60   3140767.00    34268.96
  BRAZOS        UPPER BRAZOS   276207.*      PF 1          760.02       759.95       0.07         0.00         0.00   3142453.00
446449.30   3141098.00    34273.20
  BRAZOS        UPPER BRAZOS   276204.*      PF 1          760.02       759.95       0.07         0.00         0.00   3141355.00
447187.40   3141458.00    34277.43
  BRAZOS        UPPER BRAZOS   276201.*      PF 1          760.02       759.95       0.07         0.00         0.00   3140258.00
447922.00   3141820.00    34281.80
  BRAZOS        UPPER BRAZOS   276198.*      PF 1          760.02       759.95       0.07         0.00         0.00   3139158.00
448645.20   3142198.00    34286.20
  BRAZOS        UPPER BRAZOS   276195.*      PF 1          760.01       759.95       0.07         0.00         0.00   3138066.00
449382.30   3142552.00    34290.35
  BRAZOS        UPPER BRAZOS   276192.*      PF 1          760.01       759.95       0.07         0.00         0.00   3136980.00
450120.60   3142900.00    34294.72
  BRAZOS        UPPER BRAZOS   276189.*      PF 1          760.01       759.95       0.07         0.00         0.00   3135879.00
450846.10   3143275.00    34299.13
  BRAZOS        UPPER BRAZOS   276186.*      PF 1          760.01       759.95       0.07         0.00         0.00   3134799.00
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451581.80   3143619.00    34303.36
  BRAZOS         UPPER BRAZOS   276183.*      PF 1          760.01       759.95       0.07          0.00          0.00   3133680.00
452333.30   3143986.00    34307.61
  BRAZOS         UPPER BRAZOS   276180.*      PF 1          760.01       759.95       0.07          0.00          0.00   3132604.00
453056.10   3144340.00    34311.89
  BRAZOS         UPPER BRAZOS   276177.*      PF 1          760.01       759.94       0.07          0.00          0.00   3131490.00
453784.10   3144727.00    34316.30
  BRAZOS         UPPER BRAZOS   276175.*      PF 1          760.01       759.94       0.07          0.00          0.00   3130398.00
454521.70   3145080.00    34320.54
  BRAZOS         UPPER BRAZOS   276172.*      PF 1          760.01       759.94       0.07          0.00          0.00   3129335.00
455242.20   3145423.00    34324.91
  BRAZOS         UPPER BRAZOS   276169.*      PF 1          760.01       759.94       0.07          0.00          0.00   3128238.00
455967.70   3145795.00    34329.07
  BRAZOS         UPPER BRAZOS   276166.*      PF 1          760.01       759.94       0.07          0.00          0.00   3127135.00
456705.90   3146159.00    34333.48
  BRAZOS         UPPER BRAZOS   276163.*      PF 1          760.01       759.94       0.07          0.00          0.00   3126051.00
457435.60   3146514.00    34337.72
  BRAZOS         UPPER BRAZOS   276160.*      PF 1          760.01       759.94       0.07          0.00          0.00   3124966.00
458151.10   3146883.00    34342.10
  BRAZOS         UPPER BRAZOS   276157.*      PF 1          760.01       759.94       0.07          0.00          0.00   3123870.00
458907.10   3147223.00    34346.51
  BRAZOS         UPPER BRAZOS   276154.*      PF 1          760.01       759.94       0.07          0.00          0.00   3122758.00
459637.30   3147604.00    34350.67
  BRAZOS         UPPER BRAZOS   276151.*      PF 1          760.01       759.94       0.07          0.00          0.00   3121691.00
460357.20   3147952.00    34355.04
  BRAZOS         UPPER BRAZOS   276148.*      PF 1          760.01       759.94       0.07          0.00          0.00   3120598.00
461080.40   3148321.00    34359.30
  BRAZOS         UPPER BRAZOS   276145.*      PF 1          760.01       759.94       0.07          0.00          0.00   3119506.00
461806.60   3148688.00    34363.71
  BRAZOS         UPPER BRAZOS   276142.*      PF 1          760.01       759.94       0.07          0.00          0.00   3118403.00
462530.00   3149067.00    34368.09
  BRAZOS         UPPER BRAZOS   276140.*      PF 1          760.01       759.94       0.07          0.00          0.00   3117340.00
463253.30   3149407.00    34372.24
  BRAZOS         UPPER BRAZOS   276137.*      PF 1          760.01       759.94       0.07          0.00          0.00   3116227.00
463974.90   3149798.00    34376.66
  BRAZOS         UPPER BRAZOS   276134.*      PF 1          760.01       759.94       0.07          0.00          0.00   3115140.00
464702.70   3150158.00    34380.92
  BRAZOS         UPPER BRAZOS   276131.*      PF 1          760.00       759.94       0.07          0.00          0.00   3114099.00
465415.30   3150486.00    34385.29
  BRAZOS         UPPER BRAZOS   276128.*      PF 1          760.00       759.94       0.07          0.00          0.00   3113004.00
466162.50   3150833.00    34389.45
  BRAZOS         UPPER BRAZOS   276125.*      PF 1          760.00       759.94       0.07          0.00          0.00   3111875.00
466887.80   3151237.00    34393.88
  BRAZOS         UPPER BRAZOS   276122.*      PF 1          760.00       759.94       0.07          0.00          0.00   3110792.00
467601.10   3151607.00    34398.25
  BRAZOS         UPPER BRAZOS   276119.*      PF 1          760.00       759.94       0.07          0.00          0.00   3109716.00
468321.80   3151962.00    34402.52
  BRAZOS         UPPER BRAZOS   276116.*      PF 1          760.00       759.94       0.07          0.00          0.00   3108653.00
469044.60   3152303.00    34406.77
  BRAZOS         UPPER BRAZOS   276113.*      PF 1          760.00       759.94       0.07          0.00          0.00   3107560.00
469774.70   3152665.00    34411.10
  BRAZOS         UPPER BRAZOS   276110.*      PF 1          760.00       759.94       0.07          0.00          0.00   3106487.00
470480.60   3153033.00    34415.49
  BRAZOS         UPPER BRAZOS   276107.*      PF 1          760.00       759.93       0.07          0.00          0.00   3105381.00
471197.20   3153422.00    34419.74
  BRAZOS         UPPER BRAZOS   276105.*      PF 1          760.00       759.93       0.07          0.00          0.00   3104267.00
471922.50   3153811.00    34424.16
  BRAZOS         UPPER BRAZOS   276102.*      PF 1          760.00       759.93       0.07          0.00          0.00   3103242.00
472658.50   3154099.00    34428.55
  BRAZOS         UPPER BRAZOS   276099.*      PF 1          760.00       759.93       0.07          0.00          0.00   3102163.00
473379.50   3154458.00    34432.71
  BRAZOS         UPPER BRAZOS   276096.*      PF 1          760.00       759.93       0.07          0.00          0.00   3101087.00
474092.50   3154821.00    34436.98
  BRAZOS         UPPER BRAZOS   276093.*      PF 1          760.00       759.93       0.07          0.00          0.00   3099986.00
474799.00   3155215.00    34441.41
  BRAZOS         UPPER BRAZOS   276090.*      PF 1          760.00       759.93       0.07          0.00          0.00   3098907.00
475520.90   3155572.00    34445.79
  BRAZOS         UPPER BRAZOS   276087.*      PF 1          760.00       759.93       0.07          0.00          0.00   3097827.00
476240.10   3155932.00    34449.96
  BRAZOS         UPPER BRAZOS   276084.*      PF 1          760.00       759.93       0.07          0.00          0.00   3096733.00
476953.80   3156314.00    34454.39
  BRAZOS         UPPER BRAZOS   276081.*      PF 1          760.00       759.93       0.07          0.00          0.00   3095670.00
477664.70   3156666.00    34458.78
  BRAZOS         UPPER BRAZOS   276078.*      PF 1          760.00       759.93       0.07          0.00          0.00   3094579.00
478377.80   3157044.00    34463.04
  BRAZOS         UPPER BRAZOS   276075.*      PF 1          760.00       759.93       0.07          0.00          0.00   3093496.00
479115.40   3157389.00    34467.38
  BRAZOS         UPPER BRAZOS   276072.*      PF 1          760.00       759.93       0.07          0.00          0.00   3092399.00
479822.90   3157778.00    34471.74
  BRAZOS         UPPER BRAZOS   276070.*      PF 1          760.00       759.93       0.07          0.00          0.00   3091361.00
480545.10   3158094.00    34476.13
  BRAZOS         UPPER BRAZOS   276067.*      PF 1          759.99       759.93       0.07          0.00          0.00   3090280.00
481254.30   3158466.00    34480.39
  BRAZOS         UPPER BRAZOS   276064.*      PF 1          759.99       759.93       0.07          0.00          0.00   3089188.00
481961.40   3158851.00    34484.84
  BRAZOS         UPPER BRAZOS   276061.*      PF 1          759.99       759.93       0.07          0.00          0.00   3088109.00
482672.80   3159219.00    34489.22
  BRAZOS         UPPER BRAZOS   276058.*      PF 1          759.99       759.93       0.07          0.00          0.00   3087011.00
483379.90   3159609.00    34493.40
  BRAZOS         UPPER BRAZOS   276055.*      PF 1          759.99       759.93       0.07          0.00          0.00   3085950.00
484098.20   3159952.00    34497.67
  BRAZOS         UPPER BRAZOS   276052.*      PF 1          759.99       759.93       0.07          0.00          0.00   3084891.00
484801.50   3160307.00    34502.12
  BRAZOS         UPPER BRAZOS   276049.*      PF 1          759.99       759.93       0.07          0.00          0.00   3083780.00
485539.50   3160680.00    34506.49
  BRAZOS         UPPER BRAZOS   276046.*      PF 1          759.99       759.93       0.07          0.00          0.00   3082736.00
486243.50   3161021.00    34510.68
  BRAZOS         UPPER BRAZOS   276043.*      PF 1          759.99       759.93       0.07          0.00          0.00   3081634.00
486944.60   3161421.00    34514.96
  BRAZOS         UPPER BRAZOS   276040.*      PF 1          759.99       759.92       0.07          0.00          0.00   3080593.00
487657.70   3161749.00    34519.51
  BRAZOS         UPPER BRAZOS   276037.*      PF 1          759.99       759.92       0.07          0.00          0.00   3079508.00
488368.80   3162123.00    34523.79
  BRAZOS         UPPER BRAZOS   276034.*      PF 1          759.99       759.92       0.07          0.00          0.00   3078426.00
489071.20   3162503.00    34528.07
  BRAZOS         UPPER BRAZOS   276032.*      PF 1          759.99       759.92       0.07          0.00          0.00   3077363.00
489782.20   3162855.00    34532.44
  BRAZOS         UPPER BRAZOS   276029.*      PF 1          759.99       759.92       0.07          0.00          0.00   3076283.00
490484.80   3163232.00    34536.81
  BRAZOS         UPPER BRAZOS   276026.*      PF 1          759.99       759.92       0.07          0.00          0.00   3075227.00
491193.20   3163580.00    34541.09
  BRAZOS         UPPER BRAZOS   276023.*      PF 1          759.99       759.92       0.07          0.00          0.00   3074139.00
491918.70   3163942.00    34545.37
  BRAZOS         UPPER BRAZOS   276020.*      PF 1          759.99       759.92       0.07          0.00          0.00   3073075.00
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492624.20   3164301.00    34549.93
  BRAZOS         UPPER BRAZOS   276017.*      PF 1          759.99      759.92       0.07          0.00          0.00   3071997.00
493328.80   3164674.00    34554.13
  BRAZOS         UPPER BRAZOS   276014.*      PF 1          759.99      759.92       0.07          0.00          0.00   3070930.00
494029.20   3165041.00    34558.41
  BRAZOS         UPPER BRAZOS   276011.*      PF 1          759.99      759.92       0.07          0.00          0.00   3069858.00
494726.30   3165416.00    34562.70
  BRAZOS         UPPER BRAZOS   276008.*      PF 1          759.99      759.92       0.07          0.00          0.00   3068804.00
495442.40   3165754.00    34567.25
  BRAZOS         UPPER BRAZOS   276005.*      PF 1          759.99      759.92       0.07          0.00          0.00   3067736.00
496133.60   3166131.00    34571.46
  BRAZOS         UPPER BRAZOS   276002.*      PF 1          759.98      759.92       0.07          0.00          0.00   3066662.00
496838.30   3166500.00    34575.74
  BRAZOS         UPPER BRAZOS   275999.*      PF 1          759.98      759.92       0.07          0.00          0.00   3065588.00
497543.70   3166868.00    34580.30
  BRAZOS         UPPER BRAZOS   275997.*      PF 1          759.98      759.92       0.07          0.00          0.00   3064526.00
498271.30   3167203.00    34584.59
  BRAZOS         UPPER BRAZOS   275994.*      PF 1          759.98      759.92       0.07          0.00          0.00   3063464.00
498961.60   3167575.00    34588.87
  BRAZOS         UPPER BRAZOS   275991.*      PF 1          759.98      759.92       0.07          0.00          0.00   3062390.00
499662.80   3167947.00    34593.08
  BRAZOS         UPPER BRAZOS   275988.*      PF 1          759.98      759.92       0.07          0.00          0.00   3061295.00
500365.80   3168340.00    34597.64
  BRAZOS         UPPER BRAZOS   275985.*      PF 1          759.98      759.92       0.07          0.00          0.00   3060250.00
501053.10   3168697.00    34601.92
  BRAZOS         UPPER BRAZOS   275982.*      PF 1          759.98      759.92       0.07          0.00          0.00   3059198.00
501769.40   3169033.00    34606.21
  BRAZOS         UPPER BRAZOS   275979.*      PF 1          759.98      759.92       0.07          0.00          0.00   3058131.00
502472.40   3169397.00    34610.77
  BRAZOS         UPPER BRAZOS   275976.*      PF 1          759.98      759.92       0.07          0.00          0.00   3057056.00
503150.60   3169794.00    34614.99
  BRAZOS         UPPER BRAZOS   275973.*      PF 1          759.98      759.92       0.07          0.00          0.00   3056005.00
503854.20   3170142.00    34619.28
  BRAZOS         UPPER BRAZOS   275970.*      PF 1          759.98      759.91       0.07          0.00          0.00   3054907.00
504576.90   3170516.00    34623.66
  BRAZOS         UPPER BRAZOS   275967.*      PF 1          759.98      759.91       0.07          0.00          0.00   3053839.00
505279.20   3170882.00    34628.13
  BRAZOS         UPPER BRAZOS   275964.*      PF 1          759.98      759.91       0.07          0.00          0.00   3052791.00
505966.90   3171243.00    34632.34
  BRAZOS         UPPER BRAZOS   275962.*      PF 1          759.98      759.91       0.07          0.00          0.00   3051730.00
506660.80   3171609.00    34636.65
  BRAZOS         UPPER BRAZOS   275959.*      PF 1          759.98      759.91       0.07          0.00          0.00   3050655.00
507359.00   3171986.00    34641.21
  BRAZOS         UPPER BRAZOS   275956.*      PF 1          759.98      759.91       0.07          0.00          0.00   3049573.00
508043.90   3172383.00    34645.51
  BRAZOS         UPPER BRAZOS   275953.*      PF 1          759.98      759.91       0.07          0.00          0.00   3048527.00
508745.30   3172729.00    34649.80
  BRAZOS         UPPER BRAZOS   275950.*      PF 1          759.98      759.91       0.07          0.00          0.00   3047485.00
509442.30   3173074.00    34654.11
  BRAZOS         UPPER BRAZOS   275947.*      PF 1          759.98      759.91       0.07          0.00          0.00   3046422.00
510133.70   3173445.00    34658.59
  BRAZOS         UPPER BRAZOS   275944.*      PF 1          759.98      759.91       0.07          0.00          0.00   3045341.00
510848.70   3173810.00    34662.89
  BRAZOS         UPPER BRAZOS   275941.*      PF 1          759.98      759.91       0.07          0.00          0.00   3044302.00
511541.20   3174157.00    34667.20
  BRAZOS         UPPER BRAZOS   275938.*      PF 1          759.97      759.91       0.06          0.00          0.00   3043218.00
512234.70   3174547.00    34671.57
  BRAZOS         UPPER BRAZOS   275935.*      PF 1          759.97      759.91       0.06          0.00          0.00   3042162.00
512925.40   3174913.00    34675.98
  BRAZOS         UPPER BRAZOS   275932.*      PF 1          759.97      759.91       0.06          0.00          0.00   3041112.00
513618.70   3175270.00    34680.29
  BRAZOS         UPPER BRAZOS   275929.*      PF 1          759.97      759.91       0.06          0.00          0.00   3040050.00
514312.50   3175638.00    34684.79
  BRAZOS         UPPER BRAZOS   275927.*      PF 1          759.97      759.91       0.06          0.00          0.00   3038981.00
514998.30   3176020.00    34689.27
  BRAZOS         UPPER BRAZOS   275924.*      PF 1          759.97      759.91       0.06          0.00          0.00   3037963.00
515682.30   3176355.00    34693.50
  BRAZOS         UPPER BRAZOS   275921.*      PF 1          759.97      759.91       0.06          0.00          0.00   3036882.00
516374.40   3176744.00    34697.81
  BRAZOS         UPPER BRAZOS   275918.*      PF 1          759.97      759.91       0.06          0.00          0.00   3035826.00
517090.40   3177083.00    34702.20
  BRAZOS         UPPER BRAZOS   275915.*      PF 1          759.97      759.91       0.06          0.00          0.00   3034751.00
517781.70   3177468.00    34706.68
  BRAZOS         UPPER BRAZOS   275912.*      PF 1          759.97      759.91       0.06          0.00          0.00   3033715.00
518473.10   3177813.00    34711.00
  BRAZOS         UPPER BRAZOS   275909.*      PF 1          759.97      759.91       0.06          0.00          0.00   3032641.00
519147.20   3178212.00    34715.32
  BRAZOS         UPPER BRAZOS   275906.*      PF 1          759.97      759.91       0.06          0.00          0.00   3031597.00
519840.40   3178563.00    34719.80
  BRAZOS         UPPER BRAZOS   275903.*      PF 1          759.97      759.90       0.06          0.00          0.00   3030545.00
520531.80   3178924.00    34724.12
  BRAZOS         UPPER BRAZOS   275900.*      PF 1          759.97      759.90       0.06          0.00          0.00   3029489.00
521217.80   3179294.00    34728.43
  BRAZOS         UPPER BRAZOS   275897.*      PF 1          759.97      759.90       0.06          0.00          0.00   3028409.00
521898.40   3179693.00    34732.81
  BRAZOS         UPPER BRAZOS   275894.*      PF 1          759.97      759.90       0.06          0.00          0.00   3027350.00
522581.50   3180069.00    34737.23
  BRAZOS         UPPER BRAZOS   275892.*      PF 1          759.97      759.90       0.06          0.00          0.00   3026320.00
523301.90   3180378.00    34741.55
  BRAZOS         UPPER BRAZOS   275889.*      PF 1          759.97      759.90       0.06          0.00          0.00   3025281.00
523974.70   3180745.00    34745.94
  BRAZOS         UPPER BRAZOS   275886.*      PF 1          759.97      759.90       0.06          0.00          0.00   3024203.00
524658.40   3181139.00    34750.25
  BRAZOS         UPPER BRAZOS   275883.*      PF 1          759.97      759.90       0.06          0.00          0.00   3023144.00
525346.80   3181509.00    34754.76
  BRAZOS         UPPER BRAZOS   275880.*      PF 1          759.97      759.90       0.06          0.00          0.00   3022085.00
526031.80   3181884.00    34759.00
  BRAZOS         UPPER BRAZOS   275877.*      PF 1          759.97      759.90       0.06          0.00          0.00   3021037.00
526716.60   3182247.00    34763.39
  BRAZOS         UPPER BRAZOS   275874.*      PF 1          759.97      759.90       0.06          0.00          0.00   3019993.00
527396.60   3182611.00    34767.89
  BRAZOS         UPPER BRAZOS   275871.*      PF 1          759.96      759.90       0.06          0.00          0.00   3018924.00
528083.90   3182992.00    34772.21
  BRAZOS         UPPER BRAZOS   275868.*      PF 1          759.96      759.90       0.06          0.00          0.00   3017894.00
528751.00   3183355.00    34776.53
  BRAZOS         UPPER BRAZOS   275865.*      PF 1          759.96      759.90       0.06          0.00          0.00   3016847.00
529439.60   3183714.00    34780.85
  BRAZOS         UPPER BRAZOS   275862.*      PF 1          759.96      759.90       0.06          0.00          0.00   3015771.00
530150.40   3184079.00    34785.36
  BRAZOS         UPPER BRAZOS   275859.*      PF 1          759.96      759.90       0.06          0.00          0.00   3014728.00
530817.20   3184455.00    34789.68
  BRAZOS         UPPER BRAZOS   275856.*      PF 1          759.96      759.90       0.06          0.00          0.00   3013703.00
531504.30   3184793.00    34794.09
  BRAZOS         UPPER BRAZOS   275854.*      PF 1          759.96      759.90       0.06          0.00          0.00   3012624.00
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532181.10   3185196.00    34798.52
  BRAZOS          UPPER BRAZOS   275851.*      PF 1          759.96       759.90       0.06          0.00          0.00   3011574.00
532871.90   3185554.00    34802.84
  BRAZOS          UPPER BRAZOS   275848.*      PF 1          759.96       759.90       0.06          0.00          0.00   3010541.00
533540.30   3185919.00    34807.23
  BRAZOS          UPPER BRAZOS   275845.*      PF 1          759.96       759.90       0.06          0.00          0.00   3009506.00
534221.40   3186273.00    34811.56
  BRAZOS          UPPER BRAZOS   275842.*      PF 1          759.96       759.90       0.06          0.00          0.00   3008439.00
534898.10   3186664.00    34816.07
  BRAZOS          UPPER BRAZOS   275839.*      PF 1          759.96       759.90       0.06          0.00          0.00   3007380.00
535573.00   3187047.00    34820.33
  BRAZOS          UPPER BRAZOS   275836.*      PF 1          759.96       759.90       0.06          0.00          0.00   3006310.00
536276.50   3187414.00    34824.72
  BRAZOS          UPPER BRAZOS   275833.*      PF 1          759.96       759.89       0.06          0.00          0.00   3005300.00
536954.70   3187746.00    34829.05
  BRAZOS          UPPER BRAZOS   275830.*      PF 1          759.96       759.89       0.06          0.00          0.00   3004247.00
537625.80   3188128.00    34833.57
  BRAZOS          UPPER BRAZOS   275827.*      PF 1          759.96       759.89       0.06          0.00          0.00   3003177.00
538299.70   3188523.00    34837.89
  BRAZOS          UPPER BRAZOS   275824.*      PF 1          759.96       759.89       0.06          0.00          0.00   3002169.00
538980.00   3188852.00    34842.23
  BRAZOS          UPPER BRAZOS   275821.*      PF 1          759.96       759.89       0.06          0.00          0.00   3001109.00
539655.40   3189235.00    34846.74
  BRAZOS          UPPER BRAZOS   275819.*      PF 1          759.96       759.89       0.06          0.00          0.00   3000059.00
540327.40   3189613.00    34851.09
  BRAZOS          UPPER BRAZOS   275816.*      PF 1          759.96       759.89       0.06          0.00          0.00   2999040.00
541002.70   3189957.00    34855.47
  BRAZOS          UPPER BRAZOS   275813.*      PF 1          759.96       759.89       0.06          0.00          0.00   2997994.00
541680.10   3190326.00    34859.74
  BRAZOS          UPPER BRAZOS   275810.*      PF 1          759.96       759.89       0.06          0.00          0.00   2996932.00
542373.30   3190695.00    34864.27
  BRAZOS          UPPER BRAZOS   275807.*      PF 1          759.95       759.89       0.06          0.00          0.00   2995884.00
543042.90   3191073.00    34868.66
  BRAZOS          UPPER BRAZOS   275804.*      PF 1          759.95       759.89       0.06          0.00          0.00   2994852.00
543711.10   3191437.00    34873.01
  BRAZOS          UPPER BRAZOS   275801.*      PF 1          759.95       759.89       0.06          0.00          0.00   2993792.00
544387.90   3191820.00    34877.53
  BRAZOS          UPPER BRAZOS   275798.*      PF 1          759.95       759.89       0.06          0.00          0.00   2992733.00
545064.10   3192203.00    34881.86
  BRAZOS          UPPER BRAZOS   275795.*      PF 1          759.95       759.89       0.06          0.00          0.00   2991702.00
545738.30   3192561.00    34886.20
  BRAZOS          UPPER BRAZOS   275792.*      PF 1          759.95       759.89       0.06          0.00          0.00   2990681.00
546404.40   3192915.00    34890.55
  BRAZOS          UPPER BRAZOS   275789.*      PF 1          759.95       759.89       0.06          0.00          0.00   2989589.00
547063.90   3193347.00    34895.08
  BRAZOS          UPPER BRAZOS   275786.*      PF 1          759.95       759.89       0.06          0.00          0.00   2988599.00
547746.60   3193655.00    34899.40
  BRAZOS          UPPER BRAZOS   275784.*      PF 1          759.95       759.89       0.06          0.00          0.00   2987551.00
548437.90   3194011.00    34903.75
  BRAZOS          UPPER BRAZOS   275781.*      PF 1          759.95       759.89       0.06          0.00          0.00   2986492.00
549104.60   3194404.00    34908.26
  BRAZOS          UPPER BRAZOS   275778.*      PF 1          759.95       759.89       0.06          0.00          0.00   2985449.00
549774.90   3194776.00    34912.83
  BRAZOS          UPPER BRAZOS   275775.*      PF 1          759.95       759.89       0.06          0.00          0.00   2984433.00
550440.10   3195127.00    34917.18
  BRAZOS          UPPER BRAZOS   275772.*      PF 1          759.95       759.89       0.06          0.00          0.00   2983402.00
551104.10   3195495.00    34921.47
  BRAZOS          UPPER BRAZOS   275769.*      PF 1          759.95       759.89       0.06          0.00          0.00   2982370.00
551776.30   3195854.00    34926.01
  BRAZOS          UPPER BRAZOS   275766.*      PF 1          759.95       759.88       0.06          0.00          0.00   2981301.00
552441.30   3196258.00    34930.40
  BRAZOS          UPPER BRAZOS   275763.*      PF 1          759.95       759.88       0.06          0.00          0.00   2980270.00
553108.60   3196622.00    34934.75
  BRAZOS          UPPER BRAZOS   275760.*      PF 1          759.95       759.88       0.06          0.00          0.00   2979228.00
553784.90   3196988.00    34939.12
  BRAZOS          UPPER BRAZOS   275757.*      PF 1          759.95       759.88       0.06          0.00          0.00   2978186.00
554472.40   3197342.00    34943.62
  BRAZOS          UPPER BRAZOS   275754.*      PF 1          759.95       759.88       0.06          0.00          0.00   2977155.00
555138.40   3197706.00    34947.99
  BRAZOS          UPPER BRAZOS   275751.*      PF 1          759.95       759.88       0.06          0.00          0.00   2976128.00
555794.90   3198078.00    34952.35
  BRAZOS          UPPER BRAZOS   275749.*      PF 1          759.95       759.88       0.06          0.00          0.00   2975065.00
556458.80   3198476.00    34956.89
  BRAZOS          UPPER BRAZOS   275746.*      PF 1          759.95       759.88       0.06          0.00          0.00   2974003.00
557132.30   3198865.00    34961.23
  BRAZOS          UPPER BRAZOS   275743.*      PF 1          759.94       759.88       0.06          0.00          0.00   2973017.00
557787.20   3199196.00    34965.58
  BRAZOS          UPPER BRAZOS   275740.*      PF 1          759.94       759.88       0.06          0.00          0.00   2971979.00
558452.70   3199568.00    34969.95
  BRAZOS          UPPER BRAZOS   275737.*      PF 1          759.94       759.88       0.06          0.00          0.00   2970937.00
559113.10   3199950.00    34974.52
  BRAZOS          UPPER BRAZOS   275734.*      PF 1          759.94       759.88       0.06          0.00          0.00   2969894.00
559774.80   3200331.00    34978.89
  BRAZOS          UPPER BRAZOS   275731.*      PF 1          759.94       759.88       0.06          0.00          0.00   2968861.00
560458.90   3200680.00    34983.20
  BRAZOS          UPPER BRAZOS   275728.*      PF 1          759.94       759.88       0.06          0.00          0.00   2967835.00
561127.10   3201038.00    34987.56
  BRAZOS          UPPER BRAZOS   275725.*      PF 1          759.94       759.88       0.06          0.00          0.00   2966798.00
561795.10   3201407.00    34992.14
  BRAZOS          UPPER BRAZOS   275722.*      PF 1          759.94       759.88       0.06          0.00          0.00   2965759.00
562438.10   3201803.00    34996.51
  BRAZOS          UPPER BRAZOS   275719.*      PF 1          759.94       759.88       0.06          0.00          0.00   2964729.00
563112.80   3202158.00    35000.88
  BRAZOS          UPPER BRAZOS   275716.*      PF 1          759.94       759.88       0.06          0.00          0.00   2963667.00
563770.00   3202563.00    35005.39
  BRAZOS          UPPER BRAZOS   275714.*      PF 1          759.94       759.88       0.06          0.00          0.00   2962665.00
564421.90   3202914.00    35009.77
  BRAZOS          UPPER BRAZOS   275711.*      PF 1          759.94       759.88       0.06          0.00          0.00   2961624.00
565087.50   3203288.00    35014.14
  BRAZOS          UPPER BRAZOS   275708.*      PF 1          759.94       759.88       0.06          0.00          0.00   2960598.00
565750.60   3203652.00    35018.52
  BRAZOS          UPPER BRAZOS   275705.*      PF 1          759.94       759.88       0.06          0.00          0.00   2959534.00
566421.70   3204045.00    35023.04
  BRAZOS          UPPER BRAZOS   275702.*      PF 1          759.94       759.88       0.06          0.00          0.00   2958536.00
567085.30   3204379.00    35027.42
  BRAZOS          UPPER BRAZOS   275699.*      PF 1          759.94       759.87       0.06          0.00          0.00   2957498.00
567741.90   3204760.00    35031.79
  BRAZOS          UPPER BRAZOS   275696.*      PF 1          759.94       759.87       0.06          0.00          0.00   2956469.00
568399.70   3205132.00    35036.38
  BRAZOS          UPPER BRAZOS   275693.*      PF 1          759.94       759.87       0.06          0.00          0.00   2955427.00
569054.40   3205519.00    35040.75
  BRAZOS          UPPER BRAZOS   275690.*      PF 1          759.94       759.87       0.06          0.00          0.00   2954418.00
569711.60   3205870.00    35045.07
  BRAZOS          UPPER BRAZOS   275687.*      PF 1          759.94       759.87       0.06          0.00          0.00   2953377.00
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570366.90   3206256.00    35049.45
  BRAZOS        UPPER BRAZOS   275684.*      PF 1          759.94       759.87       0.06         0.00         0.00   2952363.00
571022.20   3206615.00    35054.03
  BRAZOS        UPPER BRAZOS   275681.*      PF 1          759.94       759.87       0.06         0.00         0.00   2951309.00
571679.30   3207012.00    35058.41
  BRAZOS        UPPER BRAZOS   275678.*      PF 1          759.93       759.87       0.06         0.00         0.00   2950260.00
572360.80   3207380.00    35062.80
  BRAZOS        UPPER BRAZOS   275676.*      PF 1          759.93       759.87       0.06         0.00         0.00   2949258.00
573011.80   3207730.00    35067.14
  BRAZOS        UPPER BRAZOS   275673.*      PF 1          759.93       759.87       0.06         0.00         0.00   2948240.00
573655.40   3208105.00    35071.70
  BRAZOS        UPPER BRAZOS   275670.*      PF 1          759.93       759.87       0.06         0.00         0.00   2947185.00
574319.90   3208495.00    35076.10
  BRAZOS        UPPER BRAZOS   275667.*      PF 1          759.93       759.87       0.06         0.00         0.00   2946202.00
574987.70   3208810.00    35080.48
  BRAZOS        UPPER BRAZOS   275664.*      PF 1          759.93       759.87       0.06         0.00         0.00   2945126.00
575625.20   3209249.00    35085.00
  BRAZOS        UPPER BRAZOS   275661.*      PF 1          759.93       759.87       0.06         0.00         0.00   2944124.00
576280.60   3209596.00    35089.40
  BRAZOS        UPPER BRAZOS   275658.*      PF 1          759.93       759.87       0.06         0.00         0.00   2943084.00
576936.90   3209979.00    35093.78
  BRAZOS        UPPER BRAZOS   275655.*      PF 1          759.93       759.87       0.06         0.00         0.00   2942067.00
577576.60   3210357.00    35098.19
  BRAZOS        UPPER BRAZOS   275652.*      PF 1          759.93       759.87       0.06         0.00         0.00   2941051.00
578258.30   3210690.00    35111.35
  BRAZOS        UPPER BRAZOS   275649.*      PF 1          759.93       759.87       0.06         0.00         0.00   2940011.00
578915.80   3211074.00    35131.31
  BRAZOS        UPPER BRAZOS   275646.*      PF 1          759.93       759.87       0.06         0.00         0.00   2938979.00
579549.80   3211471.00    35148.97
  BRAZOS        UPPER BRAZOS   275643.*      PF 1          759.93       759.87       0.06         0.00         0.00   2937953.00
580209.00   3211838.00    35170.32
  BRAZOS        UPPER BRAZOS   275641.*      PF 1          759.93       759.87       0.06         0.00         0.00   2936940.00
580863.10   3212197.00    35192.10
  BRAZOS        UPPER BRAZOS   275638.*      PF 1          759.93       759.87       0.06         0.00         0.00   2935922.00
581511.10   3212567.00    35214.52
  BRAZOS        UPPER BRAZOS   275635.*      PF 1          759.93       759.87       0.06         0.00         0.00   2934923.00
582156.90   3212920.00    35234.32
  BRAZOS        UPPER BRAZOS   275632.*      PF 1          759.93       759.87       0.06         0.00         0.00   2934012.00
582830.10   3213158.00    35260.59
  BRAZOS        UPPER BRAZOS   275629.*      PF 1          759.93       759.86       0.06         0.00         0.00   2933106.00
583515.40   3213379.00    35288.06
  BRAZOS        UPPER BRAZOS   275626.*      PF 1          759.93       759.86       0.06         0.00         0.00   2932193.00
584203.80   3213604.00    35316.35
  BRAZOS        UPPER BRAZOS   275623.*      PF 1          759.93       759.86       0.06         0.00         0.00   2931342.00
584881.90   3213776.00    35343.64
  BRAZOS        UPPER BRAZOS   275620.*      PF 1          759.93       759.86       0.06         0.00         0.00   2930477.00
585562.60   3213961.00    35374.10
  BRAZOS        UPPER BRAZOS   275617.*      PF 1          759.93       759.86       0.06         0.00         0.00   2929595.00
586223.60   3214182.00    35405.41
  BRAZOS        UPPER BRAZOS   275614.*      PF 1          759.92       759.86       0.06         0.00         0.00   2928679.00
586908.60   3214412.00    35437.80
  BRAZOS        UPPER BRAZOS   275611.*      PF 1          759.92       759.86       0.06         0.00         0.00   2927790.00
587577.70   3214632.00    35466.95
  BRAZOS        UPPER BRAZOS   275608.*      PF 1          759.92       759.86       0.06         0.00         0.00   2926927.00
588260.90   3214813.00    35501.57
  BRAZOS        UPPER BRAZOS   275606.*      PF 1          759.92       759.86       0.06         0.00         0.00   2941627.00
592055.90   3196317.00    35527.77
  BRAZOS        UPPER BRAZOS   275603.*      PF 1          759.92       759.86       0.06         0.00         0.00   2940570.00
592706.00   3196724.00    35532.18
  BRAZOS        UPPER BRAZOS   275600.*      PF 1          759.92       759.86       0.06         0.00         0.00   2939506.00
593375.40   3197119.00    35536.77
  BRAZOS        UPPER BRAZOS   275597.*      PF 1          759.92       759.86       0.06         0.00         0.00   2938439.00
594004.20   3197557.00    35540.91
  BRAZOS        UPPER BRAZOS   275594.*      PF 1          759.92       759.86       0.06         0.00         0.00   2937400.00
594653.10   3197947.00    35545.25
  BRAZOS        UPPER BRAZOS   275591.*      PF 1          759.92       759.86       0.06         0.00         0.00   2936339.00
595295.80   3198366.00    35549.84
  BRAZOS        UPPER BRAZOS   275588.*      PF 1          759.92       759.86       0.06         0.00         0.00   2935287.00
595931.20   3198783.00    35554.25
  BRAZOS        UPPER BRAZOS   275585.*      PF 1          759.92       759.86       0.06         0.00         0.00   2934248.00
596571.20   3199181.00    35558.37
  BRAZOS        UPPER BRAZOS   275582.*      PF 1          759.92       759.86       0.06         0.00         0.00   2933169.00
597213.30   3199618.00    35562.73
  BRAZOS        UPPER BRAZOS   275579.*      PF 1          759.92       759.86       0.06         0.00         0.00   2932155.00
597861.80   3199984.00    35567.29
  BRAZOS        UPPER BRAZOS   275576.*      PF 1          759.92       759.86       0.06         0.00         0.00   2931117.00
598497.90   3200385.00    35571.70
  BRAZOS        UPPER BRAZOS   275573.*      PF 1          759.92       759.86       0.06         0.00         0.00   2930042.00
599142.80   3200815.00    35575.80
  BRAZOS        UPPER BRAZOS   275571.*      PF 1          759.92       759.86       0.06         0.00         0.00   2928980.00
599795.90   3201224.00    35580.22
  BRAZOS        UPPER BRAZOS   275568.*      PF 1          759.92       759.86       0.06         0.00         0.00   2927940.00
600425.60   3201634.00    35584.76
  BRAZOS        UPPER BRAZOS   275565.*      PF 1          759.92       759.86       0.06         0.00         0.00   2926908.00
601067.50   3202025.00    35589.13
  BRAZOS        UPPER BRAZOS   275562.*      PF 1          759.92       759.85       0.06         0.00         0.00   2925852.00
601714.00   3202435.00    35593.28
  BRAZOS        UPPER BRAZOS   275559.*      PF 1          759.92       759.85       0.06         0.00         0.00   2924783.00
602347.40   3202870.00    35597.82
  BRAZOS        UPPER BRAZOS   275556.*      PF 1          759.92       759.85       0.06         0.00         0.00   2923734.00
602977.90   3203289.00    35602.24
  BRAZOS        UPPER BRAZOS   275553.*      PF 1          759.92       759.85       0.06         0.00         0.00   2922687.00
603612.70   3203701.00    35606.55
  BRAZOS        UPPER BRAZOS   275550.*      PF 1          759.92       759.85       0.06         0.00         0.00   2921636.00
604252.10   3204112.00    35610.95
  BRAZOS        UPPER BRAZOS   275547.*      PF 1          759.91       759.85       0.06         0.00         0.00   2920613.00
604886.50   3204500.00    35615.29
  BRAZOS        UPPER BRAZOS   275544.*      PF 1          759.91       759.85       0.06         0.00         0.00   2919532.00
605544.80   3204923.00    35619.65
  BRAZOS        UPPER BRAZOS   275541.*      PF 1          759.91       759.85       0.06         0.00         0.00   2918502.00
606180.90   3205317.00    35624.00
  BRAZOS        UPPER BRAZOS   275538.*      PF 1          759.91       759.85       0.06         0.00         0.00   2917430.00
606813.80   3205756.00    35628.54
  BRAZOS        UPPER BRAZOS   275536.*      PF 1          759.91       759.85       0.06         0.00         0.00   2916397.00
607442.30   3206161.00    35632.69
  BRAZOS        UPPER BRAZOS   275533.*      PF 1          759.91       759.85       0.06         0.00         0.00   2915357.00
608084.10   3206559.00    35637.04
  BRAZOS        UPPER BRAZOS   275530.*      PF 1          759.91       759.85       0.06         0.00         0.00   2914315.00
608710.10   3206975.00    35641.44
  BRAZOS        UPPER BRAZOS   275527.*      PF 1          759.91       759.85       0.06         0.00         0.00   2913261.00
609338.50   3207401.00    35645.97
  BRAZOS        UPPER BRAZOS   275524.*      PF 1          759.91       759.85       0.06         0.00         0.00   2912232.00
609979.90   3207789.00    35650.07
  BRAZOS        UPPER BRAZOS   275521.*      PF 1          759.91       759.85       0.06         0.00         0.00   2911171.00
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610609.60   3208220.00    35654.46
  BRAZOS        UPPER BRAZOS   275518.*      PF 1          759.91       759.85       0.06         0.00         0.00   2910154.00
611264.90   3208581.00    35658.80
  BRAZOS        UPPER BRAZOS   275515.*      PF 1          759.91       759.85       0.06         0.00         0.00   2909102.00
611893.50   3209005.00    35663.39
  BRAZOS        UPPER BRAZOS   275512.*      PF 1          759.91       759.85       0.06         0.00         0.00   2908043.00
612529.40   3209427.00    35667.43
  BRAZOS        UPPER BRAZOS   275509.*      PF 1          759.91       759.85       0.06         0.00         0.00   2906998.00
613149.60   3209852.00    35671.83
  BRAZOS        UPPER BRAZOS   275506.*      PF 1          759.91       759.85       0.06         0.00         0.00   2905919.00
613782.30   3210299.00    35676.41
  BRAZOS        UPPER BRAZOS   275503.*      PF 1          759.91       759.85       0.06         0.00         0.00   2904939.00
614410.00   3210651.00    35680.73
  BRAZOS        UPPER BRAZOS   275500.*      PF 1          759.91       759.85       0.06         0.00         0.00   2903877.00
615033.30   3211090.00    35685.08
  BRAZOS        UPPER BRAZOS   275498.*      PF 1          759.91       759.85       0.06         0.00         0.00   2902829.00
615668.40   3211502.00    35689.18
  BRAZOS        UPPER BRAZOS   275495.*      PF 1          759.91       759.84       0.06         0.00         0.00   2901778.00
616302.80   3211919.00    35693.75
  BRAZOS        UPPER BRAZOS   275492.*      PF 1          759.91       759.84       0.06         0.00         0.00   2900716.00
616949.40   3212335.00    35698.08
  BRAZOS        UPPER BRAZOS   275489.*      PF 1          759.91       759.84       0.06         0.00         0.00   2899709.00
617573.30   3212718.00    35702.46
  BRAZOS        UPPER BRAZOS   275486.*      PF 1          759.91       759.84       0.06         0.00         0.00   2898669.00
618199.40   3213133.00    35706.77
  BRAZOS        UPPER BRAZOS   275483.*      PF 1          759.90       759.84       0.06         0.00         0.00   2897621.00
618833.60   3213546.00    35711.09
  BRAZOS        UPPER BRAZOS   275480.*      PF 1          759.90       759.84       0.06         0.00         0.00   2896594.00
619451.10   3213955.00    35715.48
  BRAZOS        UPPER BRAZOS   275477.*      PF 1          759.90       759.84       0.06         0.00         0.00   2895534.00
620078.90   3214387.00    35719.79
  BRAZOS        UPPER BRAZOS   275474.*      PF 1          759.90       759.84       0.06         0.00         0.00   2894471.00
620708.10   3214822.00    35724.14
  BRAZOS        UPPER BRAZOS   275471.*      PF 1          759.90       759.84       0.06         0.00         0.00   2893453.00
621329.20   3215218.00    35728.41
  BRAZOS        UPPER BRAZOS   275468.*      PF 1          759.90       759.84       0.06         0.00         0.00   2892441.00
621951.70   3215608.00    35732.80
  BRAZOS        UPPER BRAZOS   275465.*      PF 1          759.90       759.84       0.06         0.00         0.00   2891375.00
622601.10   3216024.00    35737.18
  BRAZOS        UPPER BRAZOS   275463.*      PF 1          759.90       759.84       0.06         0.00         0.00   2890307.00
623228.90   3216465.00    35741.46
  BRAZOS        UPPER BRAZOS   275460.*      PF 1          759.90       759.84       0.06         0.00         0.00   2889310.00
623838.50   3216852.00    35745.80
  BRAZOS        UPPER BRAZOS   275457.*      PF 1          759.90       759.84       0.06         0.00         0.00   2888257.00
624476.20   3217267.00    35750.10
  BRAZOS        UPPER BRAZOS   275454.*      PF 1          759.90       759.84       0.06         0.00         0.00   2887213.00
625101.60   3217686.00    35754.67
  BRAZOS        UPPER BRAZOS   275451.*      PF 1          759.90       759.84       0.06         0.00         0.00   2886194.00
625705.40   3218102.00    35758.97
  BRAZOS        UPPER BRAZOS   275448.*      PF 1          759.90       759.84       0.06         0.00         0.00   2885147.00
626325.70   3218528.00    35763.14
  BRAZOS        UPPER BRAZOS   275445.*      PF 1          759.90       759.84       0.06         0.00         0.00   2884130.00
626966.90   3218903.00    35767.48
  BRAZOS        UPPER BRAZOS   275442.*      PF 1          759.90       759.84       0.06         0.00         0.00   2883075.00
627579.60   3219346.00    35771.96
  BRAZOS        UPPER BRAZOS   275439.*      PF 1          759.90       759.84       0.06         0.00         0.00   2882036.00
628215.80   3219749.00    35776.35
  BRAZOS        UPPER BRAZOS   275436.*      PF 1          759.90       759.84       0.06         0.00         0.00   2880973.00
628846.80   3220181.00    35780.43
  BRAZOS        UPPER BRAZOS   275433.*      PF 1          759.90       759.84       0.06         0.00         0.00   2879933.00
629457.60   3220610.00    35784.99
  BRAZOS        UPPER BRAZOS   275430.*      PF 1          759.90       759.84       0.06         0.00         0.00   2878940.00
630078.30   3220981.00    35789.23
  BRAZOS        UPPER BRAZOS   275428.*      PF 1          759.90       759.84       0.06         0.00         0.00   2877910.00
630702.80   3221388.00    35793.61
  BRAZOS        UPPER BRAZOS   275425.*      PF 1          759.90       759.84       0.06         0.00         0.00   2876838.00
631317.70   3221845.00    35797.79
  BRAZOS        UPPER BRAZOS   275422.*      PF 1          759.90       759.84       0.06         0.00         0.00   2875803.00
631934.10   3222263.00    35802.26
  BRAZOS        UPPER BRAZOS   275419.*      PF 1          759.90       759.84       0.06         0.00         0.00   2874790.00
632554.80   3222655.00    35806.58
  BRAZOS        UPPER BRAZOS   275416.*      PF 1          759.90       759.83       0.06         0.00         0.00   2873757.00
633166.50   3223077.00    35810.86
  BRAZOS        UPPER BRAZOS   275413.*      PF 1          759.90       759.83       0.06         0.00         0.00   2872743.00
633813.60   3223444.00    35815.04
  BRAZOS        UPPER BRAZOS   275410.*      PF 1          759.90       759.83       0.06         0.00         0.00   2871700.00
634420.40   3223879.00    35819.50
  BRAZOS        UPPER BRAZOS   275407.*      PF 1          759.89       759.83       0.06         0.00         0.00   2870666.00
635038.30   3224296.00    35823.88
  BRAZOS        UPPER BRAZOS   275404.*      PF 1          759.89       759.83       0.06         0.00         0.00   2869600.00
635663.80   3224736.00    35828.20
  BRAZOS        UPPER BRAZOS   275401.*      PF 1          759.89       759.83       0.06         0.00         0.00   2868574.00
636266.40   3225160.00    35832.65
  BRAZOS        UPPER BRAZOS   275398.*      PF 1          759.89       759.83       0.06         0.00         0.00   2867561.00
636890.30   3225549.00    35836.84
  BRAZOS        UPPER BRAZOS   275395.*      PF 1          759.89       759.83       0.06         0.00         0.00   2866544.00
637506.00   3225950.00    35841.10
  BRAZOS        UPPER BRAZOS   275393.*      PF 1          759.89       759.83       0.06         0.00         0.00   2865503.00
638114.80   3226383.00    35845.47
  BRAZOS        UPPER BRAZOS   275390.*      PF 1          759.89       759.83       0.06         0.00         0.00   2864450.00
638734.40   3226815.00    35849.88
  BRAZOS        UPPER BRAZOS   275387.*      PF 1          759.89       759.83       0.06         0.00         0.00   2863398.00
639373.20   3227230.00    35854.06
  BRAZOS        UPPER BRAZOS   275384.*      PF 1          759.89       759.83       0.06         0.00         0.00   2862399.00
639982.90   3227619.00    35858.32
  BRAZOS        UPPER BRAZOS   275381.*      PF 1          759.89       759.83       0.06         0.00         0.00   2861363.00
640591.20   3228046.00    35862.88
  BRAZOS        UPPER BRAZOS   275378.*      PF 1          759.89       759.83       0.06         0.00         0.00   2860355.00
641214.00   3228431.00    35867.19
  BRAZOS        UPPER BRAZOS   275375.*      PF 1          759.89       759.83       0.06         0.00         0.00   2859322.00
641819.00   3228859.00    35871.27
  BRAZOS        UPPER BRAZOS   275372.*      PF 1          759.89       759.83       0.06         0.00         0.00   2858292.00
642423.30   3229285.00    35875.63
  BRAZOS        UPPER BRAZOS   275369.*      PF 1          759.89       759.83       0.06         0.00         0.00   2857247.00
643039.30   3229714.00    35880.06
  BRAZOS        UPPER BRAZOS   275366.*      PF 1          759.89       759.83       0.06         0.00         0.00   2856204.00
643652.30   3230144.00    35884.43
  BRAZOS        UPPER BRAZOS   275363.*      PF 1          759.89       759.83       0.06         0.00         0.00   2855207.00
644256.10   3230538.00    35888.62
  BRAZOS        UPPER BRAZOS   275360.*      PF 1          759.89       759.83       0.06         0.00         0.00   2854182.00
644900.40   3230918.00    35892.82
  BRAZOS        UPPER BRAZOS   275358.*      PF 1          759.89       759.83       0.06         0.00         0.00   2853125.00
645504.70   3231370.00    35897.36
  BRAZOS        UPPER BRAZOS   275355.*      PF 1          759.89       759.83       0.06         0.00         0.00   2852094.00
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646118.60   3231787.00    35901.60
  BRAZOS        UPPER BRAZOS   275352.*      PF 1         759.89      759.83       0.06         0.00         0.00   2851089.00
646728.00   3232183.00    35905.96
  BRAZOS        UPPER BRAZOS   275349.*      PF 1         759.89      759.83       0.06         0.00         0.00   2850029.00
647328.60   3232642.00    35910.16
  BRAZOS        UPPER BRAZOS   275346.*      PF 1         759.89      759.83       0.06         0.00         0.00   2849017.00
647946.30   3233037.00    35914.53
  BRAZOS        UPPER BRAZOS   275343.*      PF 1         759.89      759.83       0.06         0.00         0.00   2848000.00
648541.30   3233459.00    35918.76
  BRAZOS        UPPER BRAZOS   275340.*      PF 1         759.89      759.83       0.06         0.00         0.00   2846982.00
649154.60   3233863.00    35923.12
  BRAZOS        UPPER BRAZOS   275337.*      PF 1         759.89      759.82       0.06         0.00         0.00   2845952.00
649770.10   3234278.00    35927.46
  BRAZOS        UPPER BRAZOS   275334.*      PF 1         759.88      759.82       0.06         0.00         0.00   2844909.00
650392.70   3234699.00    35931.68
  BRAZOS        UPPER BRAZOS   275331.*      PF 1         759.88      759.82       0.06         0.00         0.00   2843912.00
650988.80   3235099.00    35936.04
  BRAZOS        UPPER BRAZOS   275328.*      PF 1         759.88      759.82       0.06         0.00         0.00   2842862.00
651599.50   3235539.00    35940.45
  BRAZOS        UPPER BRAZOS   275325.*      PF 1         759.88      759.82       0.06         0.00         0.00   2841845.00
652221.10   3235934.00    35944.65
  BRAZOS        UPPER BRAZOS   275322.*      PF 1         759.88      759.82       0.06         0.00         0.00   2840819.00
652807.40   3236374.00    35948.82
  BRAZOS        UPPER BRAZOS   275320.*      PF 1         759.88      759.82       0.06         0.00         0.00   2839801.00
653420.60   3236778.00    35953.17
  BRAZOS        UPPER BRAZOS   275317.*      PF 1         759.88      759.82       0.06         0.00         0.00   2838779.00
654025.30   3237196.00    35957.71
  BRAZOS        UPPER BRAZOS   275314.*      PF 1         759.88      759.82       0.06         0.00         0.00   2837745.00
654621.30   3237633.00    35961.92
  BRAZOS        UPPER BRAZOS   275311.*      PF 1         759.88      759.82       0.06         0.00         0.00   2836731.00
655235.20   3238035.00    35966.12
  BRAZOS        UPPER BRAZOS   275308.*      PF 1         759.88      759.82       0.06         0.00         0.00   2835709.00
655864.60   3238427.00    35970.28
  BRAZOS        UPPER BRAZOS   275305.*      PF 1         759.88      759.82       0.06         0.00         0.00   2834667.00
656455.90   3238877.00    35974.82
  BRAZOS        UPPER BRAZOS   275302.*      PF 1         759.88      759.82       0.06         0.00         0.00   2833672.00
657064.10   3239264.00    35979.02
  BRAZOS        UPPER BRAZOS   275299.*      PF 1         759.88      759.82       0.06         0.00         0.00   2832628.00
657662.40   3239710.00    35983.23
  BRAZOS        UPPER BRAZOS   275296.*      PF 1         759.88      759.82       0.06         0.00         0.00   2831637.00
658264.40   3240098.00    35987.73
  BRAZOS        UPPER BRAZOS   275293.*      PF 1         759.88      759.82       0.06         0.00         0.00   2830601.00
658866.90   3240533.00    35991.91
  BRAZOS        UPPER BRAZOS   275290.*      PF 1         759.88      759.82       0.06         0.00         0.00   2829583.00
659475.10   3240941.00    35996.27
  BRAZOS        UPPER BRAZOS   275287.*      PF 1         759.88      759.82       0.06         0.00         0.00   2828552.00
660076.60   3241371.00    36000.33
  BRAZOS        UPPER BRAZOS   275285.*      PF 1         759.88      759.82       0.06         0.00         0.00   2827523.00
660669.20   3241808.00    36004.87
  BRAZOS        UPPER BRAZOS   275282.*      PF 1         759.88      759.82       0.06         0.00         0.00   2826502.00
661288.40   3242210.00    36009.01
  BRAZOS        UPPER BRAZOS   275279.*      PF 1         759.88      759.82       0.06         0.00         0.00   2825510.00
661891.30   3242599.00    36013.35
  BRAZOS        UPPER BRAZOS   275276.*      PF 1         759.88      759.82       0.06         0.00         0.00   2824463.00
662484.40   3243052.00    36017.75
  BRAZOS        UPPER BRAZOS   275273.*      PF 1         759.88      759.82       0.06         0.00         0.00   2823453.00
663095.10   3243452.00    36021.93
  BRAZOS        UPPER BRAZOS   275270.*      PF 1         759.88      759.82       0.06         0.00         0.00   2822402.00
663696.90   3243901.00    36026.28
  BRAZOS        UPPER BRAZOS   275267.*      PF 1         759.88      759.82       0.06         0.00         0.00   2821409.00
664285.70   3244306.00    36030.42
  BRAZOS        UPPER BRAZOS   275264.*      PF 1         759.88      759.82       0.06         0.00         0.00   2820406.00
664883.10   3244711.00    36034.94
  BRAZOS        UPPER BRAZOS   275261.*      PF 1         759.88      759.82       0.06         0.00         0.00   2819387.00
665485.10   3245128.00    36038.99
  BRAZOS        UPPER BRAZOS   275258.*      PF 1         759.87      759.82       0.06         0.00         0.00   2818351.00
666083.60   3245565.00    36043.33
  BRAZOS        UPPER BRAZOS   275255.*      PF 1         759.87      759.81       0.06         0.00         0.00   2817342.00
666672.10   3245986.00    36047.63
  BRAZOS        UPPER BRAZOS   275252.*      PF 1         759.87      759.81       0.06         0.00         0.00   2816290.00
667294.60   3246415.00    36051.99
  BRAZOS        UPPER BRAZOS   275250.*      PF 1         759.87      759.81       0.06         0.00         0.00   2815300.00
667900.00   3246800.00    36056.20
  BRAZOS        UPPER BRAZOS   275247.*      PF 1         759.87      759.81       0.06         0.00         0.00   2814277.00
668484.60   3247239.00    36060.37
  BRAZOS        UPPER BRAZOS   275244.*      PF 1         759.87      759.81       0.06         0.00         0.00   2813288.00
669083.50   3247629.00    36064.89
  BRAZOS        UPPER BRAZOS   275241.*      PF 1         759.87      759.81       0.06         0.00         0.00   2812275.00
669675.90   3248049.00    36069.02
  BRAZOS        UPPER BRAZOS   275238.*      PF 1         759.87      759.81       0.06         0.00         0.00   2811238.00
670270.90   3248491.00    36073.23
  BRAZOS        UPPER BRAZOS   275235.*      PF 1         759.87      759.81       0.06         0.00         0.00   2810224.00
670874.10   3248902.00    36077.58
  BRAZOS        UPPER BRAZOS   275232.*      PF 1         759.87      759.81       0.06         0.00         0.00   2809231.00
671459.00   3249310.00    36081.93
  BRAZOS        UPPER BRAZOS   275229.*      PF 1         759.87      759.81       0.06         0.00         0.00   2808206.00
672063.10   3249731.00    36086.26
  BRAZOS        UPPER BRAZOS   275226.*      PF 1         759.87      759.81       0.06         0.00         0.00   2807196.00
672671.70   3250132.00    36090.26
  BRAZOS        UPPER BRAZOS   275223.*      PF 1         759.87      759.81       0.06         0.00         0.00   2806175.00
673259.50   3250566.00    36094.78
  BRAZOS        UPPER BRAZOS   275220.*      PF 1         759.87      759.81       0.06         0.00         0.00   2805163.00
673864.80   3250973.00    36098.93
  BRAZOS        UPPER BRAZOS   275217.*      PF 1         759.87      759.81       0.06         0.00         0.00   2804125.00
674450.30   3251425.00    36103.26
  BRAZOS        UPPER BRAZOS   275215.*      PF 1         759.87      759.81       0.06         0.00         0.00   2803129.00
675037.50   3251833.00    36107.55
  BRAZOS        UPPER BRAZOS   275212.*      PF 1         759.87      759.81       0.06         0.00         0.00   2802127.00
675628.10   3252245.00    36111.78
  BRAZOS        UPPER BRAZOS   275209.*      PF 1         759.87      759.81       0.06         0.00         0.00   2801117.00
676231.80   3252652.00    36116.10
  BRAZOS        UPPER BRAZOS   275206.*      PF 1         759.87      759.81       0.06         0.00         0.00   2800108.00
676814.90   3253077.00    36120.24
  BRAZOS        UPPER BRAZOS   275203.*      PF 1         759.87      759.81       0.06         0.00         0.00   2799109.00
677403.00   3253488.00    36124.57
  BRAZOS        UPPER BRAZOS   275200.*      PF 1         759.87      759.81       0.06         0.00         0.00   2798049.00
678020.30   3253931.00    36128.75
  BRAZOS        UPPER BRAZOS   275197.*      PF 1         759.87      759.81       0.06         0.00         0.00   2797061.00
678596.30   3254342.00    36133.09
  BRAZOS        UPPER BRAZOS   275194.*      PF 1         759.87      759.81       0.06         0.00         0.00   2796043.00
679194.80   3254763.00    36137.41
  BRAZOS        UPPER BRAZOS   275191.*      PF 1         759.87      759.81       0.06         0.00         0.00   2795036.00
679791.00   3255173.00    36141.73
  BRAZOS        UPPER BRAZOS   275188.*      PF 1         759.87      759.81       0.06         0.00         0.00   2794021.00
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680364.10   3255615.00    36145.96
  BRAZOS        UPPER BRAZOS   275185.*      PF 1          759.87      759.81       0.06          0.00          0.00   2792994.00
680956.90   3256049.00    36150.05
  BRAZOS        UPPER BRAZOS   275182.*      PF 1          759.86      759.81       0.06          0.00          0.00   2791993.00
681557.00   3256450.00    36154.38
  BRAZOS        UPPER BRAZOS   275180.*      PF 1          759.86      759.81       0.06          0.00          0.00   2790978.00
682136.00   3256887.00    36158.69
  BRAZOS        UPPER BRAZOS   275177.*      PF 1          759.86      759.80       0.06          0.00          0.00   2789985.00
682717.40   3257298.00    36162.92
  BRAZOS        UPPER BRAZOS   275174.*      PF 1          759.86      759.80       0.06          0.00          0.00   2788984.00
683342.10   3257674.00    36167.20
  BRAZOS        UPPER BRAZOS   275171.*      PF 1          759.86      759.80       0.06          0.00          0.00   2787974.00
683923.70   3258102.00    36171.51
  BRAZOS        UPPER BRAZOS   275168.*      PF 1          759.86      759.80       0.06          0.00          0.00   2786935.00
684505.40   3258560.00    36175.83
  BRAZOS        UPPER BRAZOS   275165.*      PF 1          759.86      759.80       0.06          0.00          0.00   2785925.00
685086.60   3258988.00    36179.95
  BRAZOS        UPPER BRAZOS   275162.*      PF 1          759.86      759.80       0.06          0.00          0.00   2784936.00
685672.80   3259391.00    36184.18
  BRAZOS        UPPER BRAZOS   275159.*      PF 1          759.86      759.80       0.06          0.00          0.00   2783927.00
686252.30   3259821.00    36188.44
  BRAZOS        UPPER BRAZOS   275156.*      PF 1          759.86      759.80       0.06          0.00          0.00   2782913.00
686848.60   3260239.00    36192.76
  BRAZOS        UPPER BRAZOS   275153.*      PF 1          759.86      759.80       0.06          0.00          0.00   2781908.00
687429.60   3260663.00    36197.07
  BRAZOS        UPPER BRAZOS   275150.*      PF 1          759.86      759.80       0.06          0.00          0.00   2780896.00
688008.90   3261095.00    36201.10
  BRAZOS        UPPER BRAZOS   275147.*      PF 1          759.86      759.80       0.06          0.00          0.00   2779877.00
688618.40   3261505.00    36205.61
  BRAZOS        UPPER BRAZOS   275145.*      PF 1          759.86      759.80       0.06          0.00          0.00   2778893.00
689198.60   3261909.00    36209.67
  BRAZOS        UPPER BRAZOS   275142.*      PF 1          759.86      759.80       0.06          0.00          0.00   2777896.00
689789.40   3262314.00    36214.00
  BRAZOS        UPPER BRAZOS   275139.*      PF 1          759.86      759.80       0.06          0.00          0.00   2776893.00
690375.30   3262732.00    36218.20
  BRAZOS        UPPER BRAZOS   275136.*      PF 1          759.86      759.80       0.06          0.00          0.00   2775868.00
690947.90   3263185.00    36222.52
  BRAZOS        UPPER BRAZOS   275133.*      PF 1          759.86      759.80       0.06          0.00          0.00   2774868.00
691534.80   3263598.00    36226.80
  BRAZOS        UPPER BRAZOS   275130.*      PF 1          759.86      759.80       0.06          0.00          0.00   2773875.00
692110.40   3264015.00    36230.89
  BRAZOS        UPPER BRAZOS   275127.*      PF 1          759.86      759.80       0.06          0.00          0.00   2772858.00
692693.40   3264449.00    36235.33
  BRAZOS        UPPER BRAZOS   275124.*      PF 1          759.86      759.80       0.06          0.00          0.00   2771888.00
693277.20   3264835.00    36239.41
  BRAZOS        UPPER BRAZOS   275121.*      PF 1          759.86      759.80       0.06          0.00          0.00   2770864.00
693877.80   3265259.00    36243.73
  BRAZOS        UPPER BRAZOS   275118.*      PF 1          759.86      759.80       0.06          0.00          0.00   2769825.00
694453.30   3265722.00    36247.96
  BRAZOS        UPPER BRAZOS   275115.*      PF 1          759.86      759.80       0.06          0.00          0.00   2768856.00
695052.40   3266092.00    36252.27
  BRAZOS        UPPER BRAZOS   275112.*      PF 1          759.86      759.80       0.06          0.00          0.00   2767871.00
695617.00   3266512.00    36256.52
  BRAZOS        UPPER BRAZOS   275109.*      PF 1          759.86      759.80       0.06          0.00          0.00   2766846.00
696189.30   3266965.00    36260.60
  BRAZOS        UPPER BRAZOS   275107.*      PF 1          759.85      759.80       0.06          0.00          0.00   2765823.00
696767.80   3267410.00    36265.09
  BRAZOS        UPPER BRAZOS   275104.*      PF 1          759.85      759.80       0.06          0.00          0.00   2764828.00
697360.30   3267812.00    36269.13
  BRAZOS        UPPER BRAZOS   275101.*      PF 1          759.85      759.80       0.06          0.00          0.00   2763845.00
697928.90   3268226.00    36273.38
  BRAZOS        UPPER BRAZOS   275098.*      PF 1          759.85      759.79       0.06          0.00          0.00   2762802.00
698511.60   3268687.00    36277.46
  BRAZOS        UPPER BRAZOS   275095.*      PF 1          759.85      759.79       0.06          0.00          0.00   2761805.00
699106.20   3269089.00    36281.95
  BRAZOS        UPPER BRAZOS   275092.*      PF 1          759.85      759.79       0.06          0.00          0.00   2760831.00
699680.30   3269489.00    36285.98
  BRAZOS        UPPER BRAZOS   275089.*      PF 1          759.85      759.79       0.06          0.00          0.00   2759812.00
700264.40   3269924.00    36290.23
  BRAZOS        UPPER BRAZOS   275086.*      PF 1          759.85      759.79       0.06          0.00          0.00   2758833.00
700848.40   3270319.00    36294.73
  BRAZOS        UPPER BRAZOS   275083.*      PF 1          759.85      759.79       0.06          0.00          0.00   2757827.00
701422.80   3270751.00    36298.79
  BRAZOS        UPPER BRAZOS   275080.*      PF 1          759.85      759.79       0.06          0.00          0.00   2756842.00
701990.50   3271168.00    36303.10
  BRAZOS        UPPER BRAZOS   275077.*      PF 1          759.85      759.79       0.06          0.00          0.00   2755804.00
702558.50   3271637.00    36307.13
  BRAZOS        UPPER BRAZOS   275074.*      PF 1          759.85      759.79       0.06          0.00          0.00   2754812.00
703145.40   3272042.00    36311.57
  BRAZOS        UPPER BRAZOS   275072.*      PF 1          759.85      759.79       0.06          0.00          0.00   2753828.00
703709.10   3272463.00    36315.63
  BRAZOS        UPPER BRAZOS   275069.*      PF 1          759.85      759.79       0.06          0.00          0.00   2752838.00
704312.80   3272849.00    36319.92
  BRAZOS        UPPER BRAZOS   275066.*      PF 1          759.85      759.79       0.06          0.00          0.00   2751805.00
704888.80   3273306.00    36324.40
  BRAZOS        UPPER BRAZOS   275063.*      PF 1          759.85      759.79       0.06          0.00          0.00   2750809.00
705469.00   3273722.00    36328.38
  BRAZOS        UPPER BRAZOS   275060.*      PF 1          759.85      759.79       0.06          0.00          0.00   2749821.00
706023.50   3274156.00    36332.68
  BRAZOS        UPPER BRAZOS   275057.*      PF 1          759.85      759.79       0.06          0.00          0.00   2748855.00
706605.10   3274540.00    36336.73
  BRAZOS        UPPER BRAZOS   275054.*      PF 1          759.85      759.79       0.06          0.00          0.00   2747833.00
707179.30   3274988.00    36341.21
  BRAZOS        UPPER BRAZOS   275051.*      PF 1          759.85      759.79       0.06          0.00          0.00   2746860.00
707754.60   3275386.00    36345.18
  BRAZOS        UPPER BRAZOS   275048.*      PF 1          759.85      759.79       0.06          0.00          0.00   2745837.00
708326.90   3275837.00    36349.48
  BRAZOS        UPPER BRAZOS   275045.*      PF 1          759.85      759.79       0.06          0.00          0.00   2744866.00
708892.60   3276242.00    36353.77
  BRAZOS        UPPER BRAZOS   275042.*      PF 1          759.85      759.79       0.06          0.00          0.00   2743848.00
709483.40   3276670.00    36358.00
  BRAZOS        UPPER BRAZOS   275039.*      PF 1          759.85      759.79       0.06          0.00          0.00   2742862.00
710054.40   3277083.00    36362.26
  BRAZOS        UPPER BRAZOS   275037.*      PF 1          759.85      759.79       0.06          0.00          0.00   2741853.00
710632.80   3277514.00    36366.26
  BRAZOS        UPPER BRAZOS   275034.*      PF 1          759.85      759.79       0.06          0.00          0.00   2740842.00
711200.90   3277957.00    36370.74
  BRAZOS        UPPER BRAZOS   275031.*      PF 1          759.84      759.79       0.06          0.00          0.00   2739838.00
711763.40   3278400.00    36374.77
  BRAZOS        UPPER BRAZOS   275028.*      PF 1          759.84      759.79       0.06          0.00          0.00   2738832.00
712328.80   3278839.00    36379.07
  BRAZOS        UPPER BRAZOS   275025.*      PF 1          759.84      759.79       0.06          0.00          0.00   2737902.00
712913.70   3279185.00    36383.34
  BRAZOS        UPPER BRAZOS   275022.*      PF 1          759.84      759.79       0.06          0.00          0.00   2736869.00
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713479.50   3279652.00    36387.52
  BRAZOS        UPPER BRAZOS   275019.*      PF 1          759.84      759.79       0.06          0.00          0.00   2735894.00
714043.10   3280063.00    36391.81
  BRAZOS        UPPER BRAZOS   275016.*      PF 1          759.84      759.78       0.06          0.00          0.00   2734853.00
714627.90   3280519.00    36395.84
  BRAZOS        UPPER BRAZOS   275013.*      PF 1          759.84      759.78       0.06          0.00          0.00   2733872.00
715198.60   3280930.00    36400.29
  BRAZOS        UPPER BRAZOS   275010.*      PF 1          759.84      759.78       0.06          0.00          0.00   2732865.00
715764.30   3281370.00    36404.28
  BRAZOS        UPPER BRAZOS   275007.*      PF 1          759.84      759.78       0.06          0.00          0.00   2731905.00
716341.40   3281754.00    36408.55
  BRAZOS        UPPER BRAZOS   275004.*      PF 1          759.84      759.78       0.06          0.00          0.00   2730930.00
716902.50   3282168.00    36412.85
  BRAZOS        UPPER BRAZOS   275002.*      PF 1          759.84      759.78       0.06          0.00          0.00   2729906.00
717465.20   3282629.00    36417.03
  BRAZOS        UPPER BRAZOS   274999.*      PF 1          759.84      759.78       0.06          0.00          0.00   2728915.00
718036.90   3283048.00    36421.32
  BRAZOS        UPPER BRAZOS   274996.*      PF 1          759.84      759.78       0.06          0.00          0.00   2727927.00
718613.80   3283459.00    36425.30
  BRAZOS        UPPER BRAZOS   274993.*      PF 1          759.84      759.78       0.06          0.00          0.00   2726947.00
719161.10   3283892.00    36429.58
  BRAZOS        UPPER BRAZOS   274990.*      PF 1          759.84      759.78       0.06          0.00          0.00   2725931.00
719758.10   3284311.00    36433.76
  BRAZOS        UPPER BRAZOS   274987.*      PF 1          759.84      759.78       0.06          0.00          0.00   2724963.00
720322.20   3284715.00    36438.04
  BRAZOS        UPPER BRAZOS   274984.*      PF 1          759.84      759.78       0.06          0.00          0.00   2723967.00
720885.10   3285148.00    36442.33
  BRAZOS        UPPER BRAZOS   274981.*      PF 1          759.84      759.78       0.06          0.00          0.00   2722964.00
721450.50   3285585.00    36446.48
  BRAZOS        UPPER BRAZOS   274978.*      PF 1          759.84      759.78       0.06          0.00          0.00   2721979.00
722015.70   3286006.00    36450.77
  BRAZOS        UPPER BRAZOS   274975.*      PF 1          759.84      759.78       0.06          0.00          0.00   2720999.00
722567.80   3286434.00    36454.77
  BRAZOS        UPPER BRAZOS   274972.*      PF 1          759.84      759.78       0.06          0.00          0.00   2720029.00
723133.60   3286837.00    36459.05
  BRAZOS        UPPER BRAZOS   274969.*      PF 1          759.84      759.78       0.06          0.00          0.00   2718995.00
723700.30   3287305.00    36463.20
  BRAZOS        UPPER BRAZOS   274967.*      PF 1          759.84      759.78       0.06          0.00          0.00   2718026.00
724270.30   3287704.00    36467.47
  BRAZOS        UPPER BRAZOS   274964.*      PF 1          759.84      759.78       0.06          0.00          0.00   2717059.00
724827.30   3288114.00    36471.76
  BRAZOS        UPPER BRAZOS   274961.*      PF 1          759.84      759.78       0.06          0.00          0.00   2716040.00
725403.60   3288557.00    36475.93
  BRAZOS        UPPER BRAZOS   274958.*      PF 1          759.84      759.78       0.06          0.00          0.00   2715054.00
725980.50   3288966.00    36480.21
  BRAZOS        UPPER BRAZOS   274955.*      PF 1          759.83      759.78       0.06          0.00          0.00   2714080.00
726533.80   3289387.00    36484.50
  BRAZOS        UPPER BRAZOS   274952.*      PF 1          759.83      759.78       0.06          0.00          0.00   2713148.00
727115.30   3289736.00    36489.36
  BRAZOS        UPPER BRAZOS   274949.*      PF 1          759.83      759.78       0.06          0.00          0.00   2712157.00
727678.80   3290165.00    36494.02
  BRAZOS        UPPER BRAZOS   274946.*      PF 1          759.83      759.78       0.06          0.00          0.00   2711184.00
728237.90   3290578.00    36498.87
  BRAZOS        UPPER BRAZOS   274943.*      PF 1          759.83      759.78       0.06          0.00          0.00   2710247.00
728797.00   3290956.00    36503.71
  BRAZOS        UPPER BRAZOS   274940.*      PF 1          759.83      759.78       0.06          0.00          0.00   2709280.00
729362.60   3291357.00    36508.14
  BRAZOS        UPPER BRAZOS   274937.*      PF 1          759.83      759.77       0.06          0.00          0.00   2708339.00
729941.80   3291719.00    36513.15
  BRAZOS        UPPER BRAZOS   274934.*      PF 1          759.83      759.77       0.06          0.00          0.00   2707384.00
730521.00   3292095.00    36517.61
  BRAZOS        UPPER BRAZOS   274931.*      PF 1          759.83      759.77       0.06          0.00          0.00   2706393.00
731094.30   3292513.00    36522.41
  BRAZOS        UPPER BRAZOS   274929.*      PF 1          759.83      759.77       0.06          0.00          0.00   2705378.00
731651.80   3292970.00    36527.02
  BRAZOS        UPPER BRAZOS   274926.*      PF 1          759.83      759.77       0.06          0.00          0.00   2704446.00
732205.60   3293348.00    36531.82
  BRAZOS        UPPER BRAZOS   274923.*      PF 1          759.83      759.77       0.06          0.00          0.00   2703505.00
732770.70   3293725.00    36536.60
  BRAZOS        UPPER BRAZOS   274920.*      PF 1          759.83      759.77       0.06          0.00          0.00   2702529.00
733348.10   3294123.00    36541.04
  BRAZOS        UPPER BRAZOS   274917.*      PF 1          759.83      759.77       0.06          0.00          0.00   2701567.00
733910.00   3294523.00    36545.99
  BRAZOS        UPPER BRAZOS   274914.*      PF 1          759.83      759.77       0.06          0.00          0.00   2700589.00
734469.30   3294942.00    36550.40
  BRAZOS        UPPER BRAZOS   274911.*      PF 1          759.83      759.77       0.06          0.00          0.00   2699628.00
735030.40   3295342.00    36555.15
  BRAZOS        UPPER BRAZOS   274908.*      PF 1          759.83      759.77       0.06          0.00          0.00   2698647.00
735609.80   3295743.00    36559.76
  BRAZOS        UPPER BRAZOS   274905.*      PF 1          759.83      759.77       0.06          0.00          0.00   2697702.00
736174.40   3296124.00    36564.51
  BRAZOS        UPPER BRAZOS   274902.*      PF 1          759.83      759.77       0.06          0.00          0.00   2696775.00
736747.80   3296477.00    36569.23
  BRAZOS        UPPER BRAZOS   274899.*      PF 1          759.83      759.77       0.06          0.00          0.00   2695805.00
737302.50   3296892.00    36573.63
  BRAZOS        UPPER BRAZOS   274896.*      PF 1          759.83      759.77       0.06          0.00          0.00   2694819.00
737853.90   3297327.00    36578.52
  BRAZOS        UPPER BRAZOS   274894.*      PF 1          759.83      759.77       0.06          0.00          0.00   2693843.00
738420.90   3297736.00    36582.94
  BRAZOS        UPPER BRAZOS   274891.*      PF 1          759.83      759.77       0.06          0.00          0.00   2692905.00
738981.40   3298113.00    36587.64
  BRAZOS        UPPER BRAZOS   274888.*      PF 1          759.83      759.77       0.06          0.00          0.00   2691955.00
739526.80   3298519.00    36592.02
  BRAZOS        UPPER BRAZOS   274885.*      PF 1          759.83      759.77       0.06          0.00          0.00   2690986.00
740092.30   3298922.00    36596.89
  BRAZOS        UPPER BRAZOS   274882.*      PF 1          759.83      759.77       0.06          0.00          0.00   2689997.00
740677.40   3299326.00    36601.57
  BRAZOS        UPPER BRAZOS   274879.*      PF 1          759.82      759.77       0.06          0.00          0.00   2689049.00
741237.60   3299714.00    36605.96
  BRAZOS        UPPER BRAZOS   274876.*      PF 1          759.82      759.77       0.06          0.00          0.00   2688072.00
741793.60   3300135.00    36610.82
  BRAZOS        UPPER BRAZOS   274873.*      PF 1          759.82      759.77       0.06          0.00          0.00   2687109.00
742348.20   3300543.00    36615.19
  BRAZOS        UPPER BRAZOS   274870.*      PF 1          759.82      759.77       0.06          0.00          0.00   2686165.00
742906.80   3300929.00    36619.84
  BRAZOS        UPPER BRAZOS   274867.*      PF 1          759.82      759.77       0.06          0.00          0.00   2685214.00
743461.60   3301324.00    36624.23
  BRAZOS        UPPER BRAZOS   274864.*      PF 1          759.82      759.77       0.06          0.00          0.00   2684237.00
744021.20   3301742.00    36629.05
  BRAZOS        UPPER BRAZOS   274861.*      PF 1          759.82      759.77       0.06          0.00          0.00   2683278.00
744581.80   3302141.00    36633.67
  BRAZOS        UPPER BRAZOS   274859.*      PF 1          759.82      759.76       0.06          0.00          0.00   2682325.00
745117.00   3302558.00    36638.02
  BRAZOS        UPPER BRAZOS   274856.*      PF 1          759.82      759.76       0.06          0.00          0.00   2681346.00
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745708.80   3302945.00    36642.83
  BRAZOS        UPPER BRAZOS   274853.*      PF 1          759.82      759.76       0.06          0.00          0.00   2680367.00
746267.80   3303365.00    36647.20
  BRAZOS        UPPER BRAZOS   274850.*      PF 1          759.82      759.76       0.06          0.00          0.00   2679422.00
746817.80   3303761.00    36651.79
  BRAZOS        UPPER BRAZOS   274847.*      PF 1          759.82      759.76       0.06          0.00          0.00   2678469.00
747365.80   3304165.00    36656.14
  BRAZOS        UPPER BRAZOS   274844.*      PF 1          759.82      759.76       0.06          0.00          0.00   2677477.00
747924.10   3304599.00    36660.91
  BRAZOS        UPPER BRAZOS   274841.*      PF 1          759.82      759.76       0.06          0.00          0.00   2676548.00
748482.70   3304970.00    36665.49
  BRAZOS        UPPER BRAZOS   274838.*      PF 1          759.82      759.76       0.06          0.00          0.00   2675578.00
749021.00   3305401.00    36669.84
  BRAZOS        UPPER BRAZOS   274835.*      PF 1          759.82      759.76       0.06          0.00          0.00   2674619.00
749577.40   3305804.00    36674.42
  BRAZOS        UPPER BRAZOS   274832.*      PF 1          759.82      759.76       0.06          0.00          0.00   2673657.00
750137.10   3306206.00    36678.92
  BRAZOS        UPPER BRAZOS   274829.*      PF 1          759.82      759.76       0.06          0.00          0.00   2672683.00
750710.20   3306607.00    36683.48
  BRAZOS        UPPER BRAZOS   274826.*      PF 1          759.82      759.76       0.06          0.00          0.00   2671719.00
751263.60   3307018.00    36687.83
  BRAZOS        UPPER BRAZOS   274824.*      PF 1          759.82      759.76       0.06          0.00          0.00   2670746.00
751807.20   3307448.00    36692.55
  BRAZOS        UPPER BRAZOS   274821.*      PF 1          759.82      759.76       0.06          0.00          0.00   2669785.00
752362.90   3307852.00    36696.91
  BRAZOS        UPPER BRAZOS   274818.*      PF 1          759.82      759.76       0.06          0.00          0.00   2668836.00
752909.60   3308255.00    36701.41
  BRAZOS        UPPER BRAZOS   274815.*      PF 1          759.82      759.76       0.06          0.00          0.00   2667880.00
753465.40   3308654.00    36705.93
  BRAZOS        UPPER BRAZOS   274812.*      PF 1          759.82      759.76       0.06          0.00          0.00   2666903.00
754017.80   3309079.00    36710.45
  BRAZOS        UPPER BRAZOS   274809.*      PF 1          759.82      759.76       0.06          0.00          0.00   2665963.00
754552.70   3309485.00    36714.95
  BRAZOS        UPPER BRAZOS   274806.*      PF 1          759.82      759.76       0.06          0.00          0.00   2664995.00
755100.30   3309905.00    36719.26
  BRAZOS        UPPER BRAZOS   274803.*      PF 1          759.81      759.76       0.06          0.00          0.00   2664049.00
755680.60   3310271.00    36723.94
  BRAZOS        UPPER BRAZOS   274800.*      PF 1          759.81      759.76       0.06          0.00          0.00   2663072.00
756233.90   3310695.00    36728.27
  BRAZOS        UPPER BRAZOS   274797.*      PF 1          759.81      759.76       0.06          0.00          0.00   2662122.00
756780.60   3311098.00    36732.75
  BRAZOS        UPPER BRAZOS   274794.*      PF 1          759.81      759.76       0.06          0.00          0.00   2661140.00
757316.00   3311544.00    36737.21
  BRAZOS        UPPER BRAZOS   274791.*      PF 1          759.81      759.76       0.06          0.00          0.00   2660179.00
757870.40   3311950.00    36741.69
  BRAZOS        UPPER BRAZOS   274789.*      PF 1          759.81      759.76       0.06          0.00          0.00   2659210.00
758407.20   3312383.00    36746.15
  BRAZOS        UPPER BRAZOS   274786.*      PF 1          759.81      759.76       0.06          0.00          0.00   2658285.00
758966.20   3312749.00    36750.47
  BRAZOS        UPPER BRAZOS   274783.*      PF 1          759.81      759.76       0.06          0.00          0.00   2657294.00
759510.90   3313195.00    36754.91
  BRAZOS        UPPER BRAZOS   274780.*      PF 1          759.81      759.75       0.06          0.00          0.00   2656350.00
760053.90   3313596.00    36759.41
  BRAZOS        UPPER BRAZOS   274777.*      PF 1          759.81      759.75       0.06          0.00          0.00   2655365.00
760619.40   3314016.00    36763.82
  BRAZOS        UPPER BRAZOS   274774.*      PF 1          759.81      759.75       0.06          0.00          0.00   2654409.00
761166.60   3314424.00    36768.24
  BRAZOS        UPPER BRAZOS   274771.*      PF 1          759.81      759.75       0.06          0.00          0.00   2653476.00
761706.80   3314818.00    36772.75
  BRAZOS        UPPER BRAZOS   274768.*      PF 1          759.81      759.75       0.06          0.00          0.00   2652527.00
762251.40   3315222.00    36777.16
  BRAZOS        UPPER BRAZOS   274765.*      PF 1          759.81      759.75       0.06          0.00          0.00   2651531.00
762796.30   3315673.00    36781.43
  BRAZOS        UPPER BRAZOS   274762.*      PF 1          759.81      759.75       0.06          0.00          0.00   2650596.00
763351.80   3316053.00    36785.83
  BRAZOS        UPPER BRAZOS   274759.*      PF 1          759.81      759.75       0.06          0.00          0.00   2649605.00
763881.80   3316513.00    36790.32
  BRAZOS        UPPER BRAZOS   274756.*      PF 1          759.81      759.75       0.06          0.00          0.00   2648668.00
764416.70   3316916.00    36794.70
  BRAZOS        UPPER BRAZOS   274753.*      PF 1          759.81      759.75       0.06          0.00          0.00   2647699.00
764964.80   3317337.00    36799.08
  BRAZOS        UPPER BRAZOS   274751.*      PF 1          759.81      759.75       0.06          0.00          0.00   2646755.00
765527.00   3317718.00    36803.54
  BRAZOS        UPPER BRAZOS   274748.*      PF 1          759.81      759.75       0.06          0.00          0.00   2645756.00
766076.20   3318168.00    36807.90
  BRAZOS        UPPER BRAZOS   274745.*      PF 1          759.81      759.75       0.06          0.00          0.00   2644816.00
766621.60   3318562.00    36812.18
  BRAZOS        UPPER BRAZOS   274742.*      PF 1          759.81      759.75       0.06          0.00          0.00   2643847.00
767153.10   3319000.00    36816.54
  BRAZOS        UPPER BRAZOS   274739.*      PF 1          759.81      759.75       0.06          0.00          0.00   2642906.00
767685.70   3319409.00    36821.02
  BRAZOS        UPPER BRAZOS   274736.*      PF 1          759.81      759.75       0.06          0.00          0.00   2641947.00
768245.60   3319808.00    36825.33
  BRAZOS        UPPER BRAZOS   274733.*      PF 1          759.81      759.75       0.06          0.00          0.00   2640964.00
768777.50   3320259.00    36829.67
  BRAZOS        UPPER BRAZOS   274730.*      PF 1          759.81      759.75       0.06          0.00          0.00   2640018.00
769313.60   3320668.00    36833.95
  BRAZOS        UPPER BRAZOS   274727.*      PF 1          759.80      759.75       0.06          0.00          0.00   2639054.00
769859.10   3321087.00    36838.46
  BRAZOS        UPPER BRAZOS   274724.*      PF 1          759.80      759.75       0.06          0.00          0.00   2638078.00
770421.90   3321500.00    36842.70
  BRAZOS        UPPER BRAZOS   274721.*      PF 1          759.80      759.75       0.06          0.00          0.00   2637134.00
770950.30   3321916.00    36847.01
  BRAZOS        UPPER BRAZOS   274718.*      PF 1          759.80      759.75       0.06          0.00          0.00   2636174.00
771491.80   3322335.00    36851.48
  BRAZOS        UPPER BRAZOS   274716.*      PF 1          759.80      759.75       0.06          0.00          0.00   2635231.00
772030.40   3322739.00    36855.78
  BRAZOS        UPPER BRAZOS   274713.*      PF 1          759.80      759.75       0.06          0.00          0.00   2634284.00
772568.00   3323149.00    36860.09
  BRAZOS        UPPER BRAZOS   274710.*      PF 1          759.80      759.75       0.06          0.00          0.00   2633295.00
773118.30   3323587.00    36864.31
  BRAZOS        UPPER BRAZOS   274707.*      PF 1          759.80      759.75       0.06          0.00          0.00   2632337.00
773642.80   3324021.00    36868.79
  BRAZOS        UPPER BRAZOS   274704.*      PF 1          759.80      759.75       0.06          0.00          0.00   2631381.00
774183.90   3324435.00    36873.03
  BRAZOS        UPPER BRAZOS   274701.*      PF 1          759.80      759.75       0.06          0.00          0.00   2630430.00
774705.60   3324864.00    36877.32
  BRAZOS        UPPER BRAZOS   274698.*      PF 1          759.80      759.74       0.06          0.00          0.00   2629487.00
775249.90   3325263.00    36881.75
  BRAZOS        UPPER BRAZOS   274695.*      PF 1          759.80      759.74       0.06          0.00          0.00   2628520.00
775821.30   3325659.00    36885.99
  BRAZOS        UPPER BRAZOS   274692.*      PF 1          759.80      759.74       0.06          0.00          0.00   2627536.00
776344.70   3326119.00    36890.25
  BRAZOS        UPPER BRAZOS   274689.*      PF 1          759.80      759.74       0.06          0.00          0.00   2626607.00
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776872.70   3326521.00    36894.48
  BRAZOS          UPPER BRAZOS   274686.*      PF 1          759.80       759.74       0.06          0.00          0.00   2625656.00
777407.10   3326938.00    36898.92
  BRAZOS          UPPER BRAZOS   274683.*      PF 1          759.80       759.74       0.06          0.00          0.00   2624665.00
777958.40   3327377.00    36903.13
  BRAZOS          UPPER BRAZOS   274681.*      PF 1          759.80       759.74       0.06          0.00          0.00   2623752.00
778485.90   3327762.00    36907.38
  BRAZOS          UPPER BRAZOS   274678.*      PF 1          759.80       759.74       0.06          0.00          0.00   2622784.00
779011.30   3328205.00    36911.37
  BRAZOS          UPPER BRAZOS   274675.*      PF 1          759.80       759.74       0.06          0.00          0.00   2621788.00
779541.80   3328671.00    36915.36
  BRAZOS          UPPER BRAZOS   274672.*      PF 1          759.80       759.74       0.06          0.00          0.00   2620780.00
780041.80   3329178.00    36919.18
  BRAZOS          UPPER BRAZOS   274669.*      PF 1          759.80       759.74       0.06          0.00          0.00   2619803.00
780614.60   3329583.00    36922.95
  BRAZOS          UPPER BRAZOS   274666.*      PF 1          759.80       759.74       0.06          0.00          0.00   2618843.00
781144.10   3330013.00    36926.95
  BRAZOS          UPPER BRAZOS   274663.*      PF 1          759.80       759.74       0.06          0.00          0.00   2617873.00
781663.80   3330463.00    36930.74
  BRAZOS          UPPER BRAZOS   274660.*      PF 1          759.80       759.74       0.06          0.00          0.00   2616900.00
782181.40   3330919.00    36934.55
  BRAZOS          UPPER BRAZOS   274657.*      PF 1          759.80       759.74       0.06          0.00          0.00   2615909.00
782723.10   3331368.00    36938.34
  BRAZOS          UPPER BRAZOS   274654.*      PF 1          759.80       759.74       0.06          0.00          0.00   2614947.00
783244.80   3331808.00    36942.28
  BRAZOS          UPPER BRAZOS   274651.*      PF 1          759.79       759.74       0.06          0.00          0.00   2613977.00
783760.40   3332263.00    36946.08
  BRAZOS          UPPER BRAZOS   274648.*      PF 1          759.79       759.74       0.06          0.00          0.00   2613010.00
784291.50   3332699.00    36949.86
  BRAZOS          UPPER BRAZOS   274646.*      PF 1          759.79       759.74       0.06          0.00          0.00   2612023.00
784820.80   3333156.00    36953.82
  BRAZOS          UPPER BRAZOS   274643.*      PF 1          759.79       759.74       0.06          0.00          0.00   2611060.00
785363.60   3333577.00    36957.59
  BRAZOS          UPPER BRAZOS   274640.*      PF 1          759.79       759.74       0.06          0.00          0.00   2610059.00
785891.10   3334051.00    36961.36
  BRAZOS          UPPER BRAZOS   274637.*      PF 1          759.79       759.74       0.06          0.00          0.00   2609090.00
786403.80   3334507.00    36965.13
  BRAZOS          UPPER BRAZOS   274634.*      PF 1          759.79       759.74       0.06          0.00          0.00   2608123.00
786924.80   3334952.00    36969.10
  BRAZOS          UPPER BRAZOS   274631.*      PF 1          759.79       759.74       0.06          0.00          0.00   2607138.00
787449.20   3335413.00    36972.86
  BRAZOS          UPPER BRAZOS   274628.*      PF 1          759.79       759.74       0.06          0.00          0.00   2606166.00
787984.50   3335850.00    36976.61
  BRAZOS          UPPER BRAZOS   274625.*      PF 1          759.79       759.74       0.06          0.00          0.00   2605205.00
788502.30   3336292.00    36980.36
  BRAZOS          UPPER BRAZOS   274622.*      PF 1          759.79       759.74       0.06          0.00          0.00   2604251.00
789013.60   3336736.00    36984.32
  BRAZOS          UPPER BRAZOS   274619.*      PF 1          759.79       759.73       0.06          0.00          0.00   2603278.00
789531.80   3337191.00    36988.07
  BRAZOS          UPPER BRAZOS   274616.*      PF 1          759.79       759.73       0.06          0.00          0.00   2602283.00
790084.80   3337633.00    36991.82
  BRAZOS          UPPER BRAZOS   274613.*      PF 1          759.79       759.73       0.06          0.00          0.00   2601311.00
790601.30   3338088.00    36995.76
  BRAZOS          UPPER BRAZOS   274611.*      PF 1          759.79       759.73       0.06          0.00          0.00   2600356.00
791122.90   3338522.00    36999.50
  BRAZOS          UPPER BRAZOS   274608.*      PF 1          759.79       759.73       0.06          0.00          0.00   2599370.00
791647.60   3338983.00    37003.25
  BRAZOS          UPPER BRAZOS   274605.*      PF 1          759.79       759.73       0.06          0.00          0.00   2598412.00
792168.40   3339420.00    37006.99
  BRAZOS          UPPER BRAZOS   274602.*      PF 1          759.79       759.73       0.06          0.00          0.00   2597426.00
792679.10   3339895.00    37010.91
  BRAZOS          UPPER BRAZOS   274599.*      PF 1          759.79       759.73       0.06          0.00          0.00   2596452.00
793197.80   3340351.00    37014.64
  BRAZOS          UPPER BRAZOS   274596.*      PF 1          759.79       759.73       0.06          0.00          0.00   2595507.00
793718.70   3340774.00    37018.38
  BRAZOS          UPPER BRAZOS   274593.*      PF 1          759.79       759.73       0.06          0.00          0.00   2594541.00
794236.60   3341223.00    37022.30
  BRAZOS          UPPER BRAZOS   274590.*      PF 1          759.79       759.73       0.06          0.00          0.00   2593535.00
794782.80   3341682.00    37026.03
  BRAZOS          UPPER BRAZOS   274587.*      PF 1          759.79       759.73       0.06          0.00          0.00   2592579.00
795298.30   3342123.00    37029.73
  BRAZOS          UPPER BRAZOS   274584.*      PF 1          759.79       759.73       0.06          0.00          0.00   2591609.00
795803.30   3342588.00    37033.47
  BRAZOS          UPPER BRAZOS   274581.*      PF 1          759.79       759.73       0.06          0.00          0.00   2590602.00
796317.70   3343081.00    37037.38
  BRAZOS          UPPER BRAZOS   274578.*      PF 1          759.79       759.73       0.06          0.00          0.00   2589670.00
796851.00   3343479.00    37041.09
  BRAZOS          UPPER BRAZOS   274575.*      PF 1          759.78       759.73       0.06          0.00          0.00   2588701.00
797361.40   3343937.00    37044.82
  BRAZOS          UPPER BRAZOS   274573.*      PF 1          759.78       759.73       0.06          0.00          0.00   2587700.00
797878.00   3344423.00    37048.51
  BRAZOS          UPPER BRAZOS   274570.*      PF 1          759.78       759.73       0.06          0.00          0.00   2586749.00
798376.90   3344874.00    37052.41
  BRAZOS          UPPER BRAZOS   274567.*      PF 1          759.78       759.73       0.06          0.00          0.00   2585796.00
798894.90   3345309.00    37056.13
  BRAZOS          UPPER BRAZOS   274564.*      PF 1          759.78       759.73       0.06          0.00          0.00   2584846.00
799455.10   3345699.00    37059.85
  BRAZOS          UPPER BRAZOS   274561.*      PF 1          759.78       759.73       0.06          0.00          0.00   2583837.00
799969.10   3346194.00    37063.72
  BRAZOS          UPPER BRAZOS   274558.*      PF 1          759.78       759.73       0.06          0.00          0.00   2582885.00
800484.10   3346631.00    37067.42
  BRAZOS          UPPER BRAZOS   274555.*      PF 1          759.78       759.73       0.06          0.00          0.00   2581900.00
800987.80   3347113.00    37071.13
  BRAZOS          UPPER BRAZOS   274552.*      PF 1          759.78       759.73       0.06          0.00          0.00   2580932.00
801502.60   3347566.00    37074.82
  BRAZOS          UPPER BRAZOS   274549.*      PF 1          759.78       759.73       0.06          0.00          0.00   2579973.00
802018.60   3348009.00    37078.71
  BRAZOS          UPPER BRAZOS   274546.*      PF 1          759.78       759.73       0.06          0.00          0.00   2579028.00
802529.80   3348442.00    37082.38
  BRAZOS          UPPER BRAZOS   274543.*      PF 1          759.78       759.73       0.06          0.00          0.00   2578036.00
803038.80   3348926.00    37086.08
  BRAZOS          UPPER BRAZOS   274540.*      PF 1          759.78       759.72       0.06          0.00          0.00   2577063.00
803551.70   3349386.00    37089.95
  BRAZOS          UPPER BRAZOS   274538.*      PF 1          759.78       759.72       0.06          0.00          0.00   2576071.00
804099.40   3349830.00    37093.64
  BRAZOS          UPPER BRAZOS   274535.*      PF 1          759.78       759.72       0.06          0.00          0.00   2575137.00
804593.30   3350270.00    37097.33
  BRAZOS          UPPER BRAZOS   274532.*      PF 1          759.78       759.72       0.06          0.00          0.00   2574178.00
805109.10   3350713.00    37100.98
  BRAZOS          UPPER BRAZOS   274529.*      PF 1          759.78       759.72       0.06          0.00          0.00   2573221.00
805631.10   3351148.00    37104.85
  BRAZOS          UPPER BRAZOS   274526.*      PF 1          759.78       759.72       0.06          0.00          0.00   2572223.00
806135.10   3351642.00    37108.54
  BRAZOS          UPPER BRAZOS   274523.*      PF 1          759.78       759.72       0.06          0.00          0.00   2571290.00
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806651.20   3352059.00    37112.21
  BRAZOS         UPPER BRAZOS   274520.*      PF 1          759.78       759.72       0.06         0.00         0.00   2570280.00
807159.40   3352560.00    37115.86
  BRAZOS         UPPER BRAZOS   274517.*      PF 1          759.78       759.72       0.06         0.00         0.00   2569326.00
807661.70   3353013.00    37119.73
  BRAZOS         UPPER BRAZOS   274514.*      PF 1          759.78       759.72       0.06         0.00         0.00   2568403.00
808172.60   3353425.00    37123.39
  BRAZOS         UPPER BRAZOS   274511.*      PF 1          759.78       759.72       0.06         0.00         0.00   2567404.00
808713.60   3353883.00    37127.07
  BRAZOS         UPPER BRAZOS   274508.*      PF 1          759.78       759.72       0.06         0.00         0.00   2566425.00
809227.60   3354348.00    37130.91
  BRAZOS         UPPER BRAZOS   274505.*      PF 1          759.78       759.72       0.06         0.00         0.00   2565469.00
809727.60   3354804.00    37134.56
  BRAZOS         UPPER BRAZOS   274503.*      PF 1          759.78       759.72       0.06         0.00         0.00   2564529.00
810229.90   3355242.00    37138.22
  BRAZOS         UPPER BRAZOS   274500.*      PF 1          759.78       759.72       0.06         0.00         0.00   2563542.00
810747.20   3355711.00    37141.88
  BRAZOS         UPPER BRAZOS   274497.*      PF 1          759.77       759.72       0.06         0.00         0.00   2562573.00
811250.40   3356177.00    37145.73
  BRAZOS         UPPER BRAZOS   274494.*      PF 1          759.77       759.72       0.06         0.00         0.00   2561612.00
811751.50   3356637.00    37149.38
  BRAZOS         UPPER BRAZOS   274491.*      PF 1          759.77       759.72       0.06         0.00         0.00   2560654.00
812259.30   3357087.00    37153.01
  BRAZOS         UPPER BRAZOS   274488.*      PF 1          759.77       759.72       0.06         0.00         0.00   2559687.00
812768.80   3357544.00    37156.84
  BRAZOS         UPPER BRAZOS   274485.*      PF 1          759.77       759.72       0.06         0.00         0.00   2558728.00
813296.70   3357976.00    37160.49
  BRAZOS         UPPER BRAZOS   274482.*      PF 1          759.77       759.72       0.06         0.00         0.00   2557740.00
813801.60   3358459.00    37164.13
  BRAZOS         UPPER BRAZOS   274479.*      PF 1          759.77       759.72       0.06         0.00         0.00   2556804.00
814313.80   3358882.00    37167.75
  BRAZOS         UPPER BRAZOS   274476.*      PF 1          759.77       759.72       0.06         0.00         0.00   2555822.00
814815.40   3359363.00    37171.59
  BRAZOS         UPPER BRAZOS   274473.*      PF 1          759.77       759.72       0.06         0.00         0.00   2554904.00
815338.80   3359758.00    37175.22
  BRAZOS         UPPER BRAZOS   274470.*      PF 1          759.77       759.72       0.06         0.00         0.00   2553901.00
815834.80   3360264.00    37178.85
  BRAZOS         UPPER BRAZOS   274468.*      PF 1          759.77       759.72       0.06         0.00         0.00   2552961.00
816327.20   3360712.00    37182.49
  BRAZOS         UPPER BRAZOS   274465.*      PF 1          759.77       759.72       0.05         0.00         0.00   2551998.00
816832.40   3361170.00    37186.29
  BRAZOS         UPPER BRAZOS   274462.*      PF 1          759.77       759.72       0.05         0.00         0.00   2551029.00
817339.90   3361631.00    37189.91
  BRAZOS         UPPER BRAZOS   274459.*      PF 1          759.77       759.71       0.05         0.00         0.00   2550070.00
817874.30   3362056.00    37193.56
  BRAZOS         UPPER BRAZOS   274456.*      PF 1          759.77       759.71       0.05         0.00         0.00   2549096.00
818379.30   3362525.00    37197.37
  BRAZOS         UPPER BRAZOS   274453.*      PF 1          759.77       759.71       0.05         0.00         0.00   2548140.00
818876.80   3362983.00    37200.98
  BRAZOS         UPPER BRAZOS   274450.*      PF 1          759.77       759.71       0.05         0.00         0.00   2547158.00
819371.80   3363471.00    37204.59
  BRAZOS         UPPER BRAZOS   274447.*      PF 1          759.77       759.71       0.05         0.00         0.00   2546203.00
819881.40   3363916.00    37208.21
  BRAZOS         UPPER BRAZOS   274444.*      PF 1          759.77       759.71       0.05         0.00         0.00   2545269.00
820383.40   3364347.00    37212.01
  BRAZOS         UPPER BRAZOS   274441.*      PF 1          759.77       759.71       0.05         0.00         0.00   2544304.00
820897.00   3364799.00    37215.62
  BRAZOS         UPPER BRAZOS   274438.*      PF 1          759.77       759.71       0.05         0.00         0.00   2543351.00
821388.00   3365261.00    37219.22
  BRAZOS         UPPER BRAZOS   274435.*      PF 1          759.77       759.71       0.05         0.00         0.00   2542382.00
821876.30   3365742.00    37223.02
  BRAZOS         UPPER BRAZOS   274433.*      PF 1          759.77       759.71       0.05         0.00         0.00   2541423.00
822418.40   3366159.00    37226.63
  BRAZOS         UPPER BRAZOS   274430.*      PF 1          759.77       759.71       0.05         0.00         0.00   2540448.00
822920.90   3366632.00    37230.23
  BRAZOS         UPPER BRAZOS   274427.*      PF 1          759.77       759.71       0.05         0.00         0.00   2539504.00
823420.30   3367076.00    37233.84
  BRAZOS         UPPER BRAZOS   274424.*      PF 1          759.77       759.71       0.05         0.00         0.00   2538558.00
823919.80   3367523.00    37237.60
  BRAZOS         UPPER BRAZOS   274421.*      PF 1          759.76       759.71       0.05         0.00         0.00   2537565.00
824437.60   3367997.00    37241.20
  BRAZOS         UPPER BRAZOS   274418.*      PF 1          759.76       759.71       0.05         0.00         0.00   2536627.00
824908.70   3368465.00    37244.80
  BRAZOS         UPPER BRAZOS   274415.*      PF 1          759.76       759.71       0.05         0.00         0.00   2535670.00
825402.60   3368928.00    37248.39
  BRAZOS         UPPER BRAZOS   274412.*      PF 1          759.76       759.71       0.05         0.00         0.00   2534719.00
825915.30   3369366.00    37252.18
  BRAZOS         UPPER BRAZOS   274409.*      PF 1          759.76       759.71       0.05         0.00         0.00   2533747.00
826408.40   3369844.00    37255.76
  BRAZOS         UPPER BRAZOS   274406.*      PF 1          759.76       759.71       0.05         0.00         0.00   2532801.00
826941.50   3370258.00    37259.35
  BRAZOS         UPPER BRAZOS   274403.*      PF 1          759.76       759.71       0.05         0.00         0.00   2531831.00
827445.30   3370724.00    37263.12
  BRAZOS         UPPER BRAZOS   274400.*      PF 1          759.76       759.71       0.05         0.00         0.00   2530851.00
827908.20   3371241.00    37266.71
  BRAZOS         UPPER BRAZOS   274397.*      PF 1          759.76       759.71       0.05         0.00         0.00   2529933.00
828422.90   3371644.00    37270.27
  BRAZOS         UPPER BRAZOS   274395.*      PF 1          759.76       759.71       0.05         0.00         0.00   2528966.00
828922.70   3372111.00    37273.85
  BRAZOS         UPPER BRAZOS   274392.*      PF 1          759.76       759.71       0.05         0.00         0.00   2528010.00
829418.90   3372571.00    37277.62
  BRAZOS         UPPER BRAZOS   274389.*      PF 1          759.76       759.71       0.05         0.00         0.00   2527040.00
829921.00   3373040.00    37281.20
  BRAZOS         UPPER BRAZOS   274386.*      PF 1          759.76       759.71       0.05         0.00         0.00   2526095.00
830418.40   3373487.00    37284.77
  BRAZOS         UPPER BRAZOS   274383.*      PF 1          759.76       759.71       0.05         0.00         0.00   2525143.00
830903.60   3373954.00    37288.52
  BRAZOS         UPPER BRAZOS   274380.*      PF 1          759.76       759.70       0.05         0.00         0.00   2524187.00
831406.60   3374407.00    37292.09
  BRAZOS         UPPER BRAZOS   274377.*      PF 1          759.76       759.70       0.05         0.00         0.00   2523222.00
831926.10   3374852.00    37295.66
  BRAZOS         UPPER BRAZOS   274374.*      PF 1          759.76       759.70       0.05         0.00         0.00   2522290.00
832423.70   3375287.00    37299.22
  BRAZOS         UPPER BRAZOS   274371.*      PF 1          759.76       759.70       0.05         0.00         0.00   2521325.00
832912.60   3375763.00    37302.98
  BRAZOS         UPPER BRAZOS   274368.*      PF 1          759.76       759.70       0.05         0.00         0.00   2520358.00
833425.70   3376216.00    37306.53
  BRAZOS         UPPER BRAZOS   274365.*      PF 1          759.76       759.70       0.05         0.00         0.00   2519413.00
833910.90   3376676.00    37310.09
  BRAZOS         UPPER BRAZOS   274362.*      PF 1          759.76       759.70       0.05         0.00         0.00   2518473.00
834395.90   3377131.00    37313.64
  BRAZOS         UPPER BRAZOS   274360.*      PF 1          759.76       759.70       0.05         0.00         0.00   2517490.00
834881.90   3377628.00    37317.39
  BRAZOS         UPPER BRAZOS   274357.*      PF 1          759.76       759.70       0.05         0.00         0.00   2516564.00
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835375.00   3378062.00    37320.94
  BRAZOS        UPPER BRAZOS   274354.*      PF 1          759.76       759.70       0.05         0.00         0.00   2515603.00
835885.00   3378512.00    37324.50
  BRAZOS        UPPER BRAZOS   274351.*      PF 1          759.76       759.70       0.05         0.00         0.00   2514645.00
836408.40   3378948.00    37328.23
  BRAZOS        UPPER BRAZOS   274348.*      PF 1          759.76       759.70       0.05         0.00         0.00   2513676.00
836884.90   3379439.00    37331.79
  BRAZOS        UPPER BRAZOS   274345.*      PF 1          759.75       759.70       0.05         0.00         0.00   2512709.00
837383.10   3379909.00    37335.33
  BRAZOS        UPPER BRAZOS   274342.*      PF 1          759.75       759.70       0.05         0.00         0.00   2511782.00
837876.80   3380341.00    37338.87
  BRAZOS        UPPER BRAZOS   274339.*      PF 1          759.75       759.70       0.05         0.00         0.00   2510844.00
838369.60   3380787.00    37342.59
  BRAZOS        UPPER BRAZOS   274336.*      PF 1          759.75       759.70       0.05         0.00         0.00   2509870.00
838865.50   3381265.00    37346.14
  BRAZOS        UPPER BRAZOS   274333.*      PF 1          759.75       759.70       0.05         0.00         0.00   2508918.00
839348.10   3381734.00    37349.68
  BRAZOS        UPPER BRAZOS   274330.*      PF 1          759.75       759.70       0.05         0.00         0.00   2507983.00
839826.30   3382191.00    37353.41
  BRAZOS        UPPER BRAZOS   274327.*      PF 1          759.75       759.70       0.05         0.00         0.00   2507042.00
840331.50   3382627.00    37356.93
  BRAZOS        UPPER BRAZOS   274325.*      PF 1          759.75       759.70       0.05         0.00         0.00   2506050.00
840851.30   3383099.00    37360.46
  BRAZOS        UPPER BRAZOS   274322.*      PF 1          759.75       759.70       0.05         0.00         0.00   2505126.00
841327.90   3383546.00    37364.00
  BRAZOS        UPPER BRAZOS   274319.*      PF 1          759.75       759.70       0.05         0.00         0.00   2504157.00
841820.90   3384022.00    37367.71
  BRAZOS        UPPER BRAZOS   274316.*      PF 1          759.75       759.70       0.05         0.00         0.00   2503228.00
842311.30   3384461.00    37371.23
  BRAZOS        UPPER BRAZOS   274313.*      PF 1          759.75       759.70       0.05         0.00         0.00   2502255.00
842794.10   3384951.00    37374.76
  BRAZOS        UPPER BRAZOS   274310.*      PF 1          759.75       759.70       0.05         0.00         0.00   2501325.00
843287.50   3385388.00    37378.29
  BRAZOS        UPPER BRAZOS   274307.*      PF 1          759.75       759.70       0.05         0.00         0.00   2500367.00
843776.90   3385857.00    37381.99
  BRAZOS        UPPER BRAZOS   274304.*      PF 1          759.75       759.70       0.05         0.00         0.00   2499429.00
844258.90   3386312.00    37385.52
  BRAZOS        UPPER BRAZOS   274301.*      PF 1          759.75       759.69       0.05         0.00         0.00   2498459.00
844756.80   3386784.00    37389.04
  BRAZOS        UPPER BRAZOS   274298.*      PF 1          759.75       759.69       0.05         0.00         0.00   2497503.00
845256.40   3387241.00    37392.74
  BRAZOS        UPPER BRAZOS   274295.*      PF 1          759.75       759.69       0.05         0.00         0.00   2496565.00
845756.90   3387679.00    37396.27
  BRAZOS        UPPER BRAZOS   274292.*      PF 1          759.75       759.69       0.05         0.00         0.00   2495617.00
846234.10   3388149.00    37399.78
  BRAZOS        UPPER BRAZOS   274290.*      PF 1          759.75       759.69       0.05         0.00         0.00   2494658.00
846738.40   3388604.00    37403.30
  BRAZOS        UPPER BRAZOS   274287.*      PF 1          759.75       759.69       0.05         0.00         0.00   2493734.00
847217.70   3389048.00    37406.98
  BRAZOS        UPPER BRAZOS   274284.*      PF 1          759.75       759.69       0.05         0.00         0.00   2492780.00
847695.90   3389524.00    37410.50
  BRAZOS        UPPER BRAZOS   274281.*      PF 1          759.75       759.69       0.05         0.00         0.00   2491839.00
848172.00   3389989.00    37414.01
  BRAZOS        UPPER BRAZOS   274278.*      PF 1          759.75       759.69       0.05         0.00         0.00   2490901.00
848661.50   3390438.00    37417.70
  BRAZOS        UPPER BRAZOS   274275.*      PF 1          759.75       759.69       0.05         0.00         0.00   2489942.00
849154.70   3390904.00    37421.20
  BRAZOS        UPPER BRAZOS   274272.*      PF 1          759.75       759.69       0.05         0.00         0.00   2488984.00
849664.10   3391353.00    37424.71
  BRAZOS        UPPER BRAZOS   274269.*      PF 1          759.75       759.69       0.05         0.00         0.00   2488008.00
850150.60   3391842.00    37428.21
  BRAZOS        UPPER BRAZOS   274266.*      PF 1          759.75       759.69       0.05         0.00         0.00   2487079.00
850631.40   3392290.00    37431.89
  BRAZOS        UPPER BRAZOS   274263.*      PF 1          759.74       759.69       0.05         0.00         0.00   2486144.00
851113.90   3392742.00    37435.40
  BRAZOS        UPPER BRAZOS   274260.*      PF 1          759.74       759.69       0.05         0.00         0.00   2485189.00
851599.70   3393212.00    37438.88
  BRAZOS        UPPER BRAZOS   274257.*      PF 1          759.74       759.69       0.05         0.00         0.00   2484253.00
852085.60   3393662.00    37442.38
  BRAZOS        UPPER BRAZOS   274255.*      PF 1          759.74       759.69       0.05         0.00         0.00   2483326.00
852568.30   3394105.00    37446.06
  BRAZOS        UPPER BRAZOS   274252.*      PF 1          759.74       759.69       0.05         0.00         0.00   2482351.00
853045.80   3394603.00    37449.57
  BRAZOS        UPPER BRAZOS   274249.*      PF 1          759.74       759.69       0.05         0.00         0.00   2481428.00
853541.50   3395031.00    37453.05
  BRAZOS        UPPER BRAZOS   274246.*      PF 1          759.74       759.69       0.05         0.00         0.00   2480485.00
854040.80   3395474.00    37456.72
  BRAZOS        UPPER BRAZOS   274243.*      PF 1          759.74       759.69       0.05         0.00         0.00   2479516.00
854514.10   3395970.00    37460.21
  BRAZOS        UPPER BRAZOS   274240.*      PF 1          759.74       759.69       0.05         0.00         0.00   2478584.00
855005.20   3396411.00    37463.70
  BRAZOS        UPPER BRAZOS   274237.*      PF 1          759.74       759.69       0.05         0.00         0.00   2477614.00
855486.40   3396900.00    37467.18
  BRAZOS        UPPER BRAZOS   274234.*      PF 1          759.74       759.69       0.05         0.00         0.00   2476690.00
855971.50   3397339.00    37470.84
  BRAZOS        UPPER BRAZOS   274231.*      PF 1          759.74       759.69       0.05         0.00         0.00   2475739.00
856433.20   3397828.00    37474.33
  BRAZOS        UPPER BRAZOS   274228.*      PF 1          759.74       759.69       0.05         0.00         0.00   2474785.00
856916.20   3398299.00    37477.80
  BRAZOS        UPPER BRAZOS   274225.*      PF 1          759.74       759.69       0.05         0.00         0.00   2473858.00
857392.60   3398750.00    37481.47
  BRAZOS        UPPER BRAZOS   274222.*      PF 1          759.74       759.69       0.05         0.00         0.00   2472906.00
857883.30   3399211.00    37484.95
  BRAZOS        UPPER BRAZOS   274219.*      PF 1          759.74       759.69       0.05         0.00         0.00   2471984.00
858394.80   3399621.00    37488.41
  BRAZOS        UPPER BRAZOS   274217.*      PF 1          759.74       759.69       0.05         0.00         0.00   2471045.00
858875.50   3400080.00    37491.89
  BRAZOS        UPPER BRAZOS   274214.*      PF 1          759.74       759.69       0.05         0.00         0.00   2470074.00
859334.60   3400591.00    37495.54
  BRAZOS        UPPER BRAZOS   274211.*      PF 1          759.74       759.69       0.05         0.00         0.00   2469126.00
859828.80   3401045.00    37499.02
  BRAZOS        UPPER BRAZOS   274208.*      PF 1          759.74       759.69       0.05         0.00         0.00   2468215.00
860304.60   3401481.00    37502.48
  BRAZOS        UPPER BRAZOS   274205.*      PF 1          759.74       759.68       0.05         0.00         0.00   2467265.00
860785.90   3401949.00    37505.95
  BRAZOS        UPPER BRAZOS   274202.*      PF 1          759.74       759.68       0.05         0.00         0.00   2466322.00
861261.30   3402418.00    37509.59
  BRAZOS        UPPER BRAZOS   274199.*      PF 1          759.74       759.68       0.05         0.00         0.00   2465397.00
861744.60   3402858.00    37513.06
  BRAZOS        UPPER BRAZOS   274196.*      PF 1          759.74       759.68       0.05         0.00         0.00   2464442.00
862207.20   3403351.00    37516.52
  BRAZOS        UPPER BRAZOS   274193.*      PF 1          759.74       759.68       0.05         0.00         0.00   2463464.00
862715.90   3403820.00    37520.16
  BRAZOS        UPPER BRAZOS   274190.*      PF 1          759.74       759.68       0.05         0.00         0.00   2462568.00
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863198.30   3404234.00    37523.63
  BRAZOS         UPPER BRAZOS   274187.*      PF 1          759.74       759.68       0.05          0.00          0.00   2461621.00
863668.90   3404710.00    37527.08
  BRAZOS         UPPER BRAZOS   274184.*      PF 1          759.74       759.68       0.05          0.00          0.00   2460691.00
864155.50   3405154.00    37530.54
  BRAZOS         UPPER BRAZOS   274182.*      PF 1          759.74       759.68       0.05          0.00          0.00   2459742.00
864636.30   3405621.00    37534.18
  BRAZOS         UPPER BRAZOS   274179.*      PF 1          759.74       759.68       0.05          0.00          0.00   2458799.00
865090.60   3406111.00    37537.62
  BRAZOS         UPPER BRAZOS   274176.*      PF 1          759.74       759.68       0.05          0.00          0.00   2457868.00
865564.80   3406568.00    37541.07
  BRAZOS         UPPER BRAZOS   274173.*      PF 1          759.74       759.68       0.05          0.00          0.00   2456902.00
866045.90   3407052.00    37544.71
  BRAZOS         UPPER BRAZOS   274170.*      PF 1          759.73       759.68       0.05          0.00          0.00   2455988.00
866530.60   3407481.00    37548.16
  BRAZOS         UPPER BRAZOS   274167.*      PF 1          759.73       759.68       0.05          0.00          0.00   2455031.00
867035.10   3407934.00    37551.61
  BRAZOS         UPPER BRAZOS   274164.*      PF 1          759.73       759.68       0.05          0.00          0.00   2454107.00
867513.10   3408380.00    37555.04
  BRAZOS         UPPER BRAZOS   274161.*      PF 1          759.73       759.68       0.05          0.00          0.00   2453145.00
867973.20   3408882.00    37558.67
  BRAZOS         UPPER BRAZOS   274158.*      PF 1          759.73       759.68       0.05          0.00          0.00   2452238.00
868454.90   3409307.00    37562.12
  BRAZOS         UPPER BRAZOS   274155.*      PF 1          759.73       759.68       0.05          0.00          0.00   2451277.00
868922.20   3409801.00    37565.55
  BRAZOS         UPPER BRAZOS   274152.*      PF 1          759.73       759.68       0.05          0.00          0.00   2450339.00
869394.70   3410267.00    37568.98
  BRAZOS         UPPER BRAZOS   274149.*      PF 1          759.73       759.68       0.05          0.00          0.00   2449389.00
869875.20   3410736.00    37572.61
  BRAZOS         UPPER BRAZOS   274147.*      PF 1          759.73       759.68       0.05          0.00          0.00   2448467.00
870323.40   3411210.00    37576.05
  BRAZOS         UPPER BRAZOS   274144.*      PF 1          759.73       759.68       0.05          0.00          0.00   2447539.00
870813.10   3411648.00    37579.48
  BRAZOS         UPPER BRAZOS   274141.*      PF 1          759.73       759.68       0.05          0.00          0.00   2446564.00
871309.50   3412127.00    37583.10
  BRAZOS         UPPER BRAZOS   274138.*      PF 1          759.73       759.68       0.05          0.00          0.00   2445646.00
871780.30   3412574.00    37586.53
  BRAZOS         UPPER BRAZOS   274135.*      PF 1          759.73       759.68       0.05          0.00          0.00   2444734.00
872252.80   3413014.00    37589.96
  BRAZOS         UPPER BRAZOS   274132.*      PF 1          759.73       759.68       0.05          0.00          0.00   2443768.00
872732.10   3413500.00    37593.39
  BRAZOS         UPPER BRAZOS   274129.*      PF 1          759.73       759.68       0.05          0.00          0.00   2442850.00
873197.70   3413952.00    37597.00
  BRAZOS         UPPER BRAZOS   274126.*      PF 1          759.73       759.68       0.05          0.00          0.00   2441932.00
873661.60   3414407.00    37600.43
  BRAZOS         UPPER BRAZOS   274123.*      PF 1          759.73       759.68       0.05          0.00          0.00   2440979.00
874137.40   3414884.00    37603.84
  BRAZOS         UPPER BRAZOS   274120.*      PF 1          759.73       759.68       0.05          0.00          0.00   2440029.00
874609.60   3415362.00    37607.45
  BRAZOS         UPPER BRAZOS   274117.*      PF 1          759.73       759.68       0.05          0.00          0.00   2439092.00
875080.30   3415828.00    37610.88
  BRAZOS         UPPER BRAZOS   274114.*      PF 1          759.73       759.68       0.05          0.00          0.00   2438183.00
875587.40   3416230.00    37614.29
  BRAZOS         UPPER BRAZOS   274112.*      PF 1          759.73       759.68       0.05          0.00          0.00   2437218.00
876039.30   3416743.00    37617.70
  BRAZOS         UPPER BRAZOS   274109.*      PF 1          759.73       759.67       0.05          0.00          0.00   2436299.00
876509.90   3417191.00    37621.31
  BRAZOS         UPPER BRAZOS   274106.*      PF 1          759.73       759.67       0.05          0.00          0.00   2435370.00
876983.70   3417647.00    37624.72
  BRAZOS         UPPER BRAZOS   274103.*      PF 1          759.73       759.67       0.05          0.00          0.00   2434419.00
877458.40   3418123.00    37628.13
  BRAZOS         UPPER BRAZOS   274100.*      PF 1          759.73       759.67       0.05          0.00          0.00   2433532.00
877924.50   3418544.00    37631.55
  BRAZOS         UPPER BRAZOS   274097.*      PF 1          759.73       759.67       0.05          0.00          0.00   2432567.00
878391.90   3419041.00    37635.15
  BRAZOS         UPPER BRAZOS   274094.*      PF 1          759.73       759.67       0.05          0.00          0.00   2431641.00
878845.30   3419514.00    37638.55
  BRAZOS         UPPER BRAZOS   274091.*      PF 1          759.73       759.67       0.05          0.00          0.00   2430711.00
879328.90   3419960.00    37641.96
  BRAZOS         UPPER BRAZOS   274088.*      PF 1          759.73       759.67       0.05          0.00          0.00   2429779.00
879787.70   3420433.00    37645.56
  BRAZOS         UPPER BRAZOS   274085.*      PF 1          759.73       759.67       0.05          0.00          0.00   2428819.00
880287.80   3420894.00    37648.97
  BRAZOS         UPPER BRAZOS   274082.*      PF 1          759.73       759.67       0.05          0.00          0.00   2427913.00
880761.20   3421326.00    37652.36
  BRAZOS         UPPER BRAZOS   274079.*      PF 1          759.72       759.67       0.05          0.00          0.00   2426979.00
881223.90   3421797.00    37655.77
  BRAZOS         UPPER BRAZOS   274077.*      PF 1          759.72       759.67       0.05          0.00          0.00   2426028.00
881684.80   3422287.00    37659.35
  BRAZOS         UPPER BRAZOS   274074.*      PF 1          759.72       759.67       0.05          0.00          0.00   2425115.00
882153.60   3422732.00    37662.75
  BRAZOS         UPPER BRAZOS   274071.*      PF 1          759.72       759.67       0.05          0.00          0.00   2424197.00
882617.40   3423186.00    37666.14
  BRAZOS         UPPER BRAZOS   274068.*      PF 1          759.72       759.67       0.05          0.00          0.00   2423269.00
883087.10   3423644.00    37669.73
  BRAZOS         UPPER BRAZOS   274065.*      PF 1          759.72       759.67       0.05          0.00          0.00   2422297.00
883560.70   3424143.00    37673.12
  BRAZOS         UPPER BRAZOS   274062.*      PF 1          759.72       759.67       0.05          0.00          0.00   2421382.00
884014.60   3424603.00    37676.51
  BRAZOS         UPPER BRAZOS   274059.*      PF 1          759.72       759.67       0.05          0.00          0.00   2420447.00
884490.90   3425062.00    37679.91
  BRAZOS         UPPER BRAZOS   274056.*      PF 1          759.72       759.67       0.05          0.00          0.00   2419506.00
884967.60   3425527.00    37683.48
  BRAZOS         UPPER BRAZOS   274053.*      PF 1          759.72       759.67       0.05          0.00          0.00   2418570.00
885444.50   3425985.00    37686.87
  BRAZOS         UPPER BRAZOS   274050.*      PF 1          759.72       759.67       0.05          0.00          0.00   2417664.00
885891.30   3426445.00    37690.26
  BRAZOS         UPPER BRAZOS   274047.*      PF 1          759.72       759.67       0.05          0.00          0.00   2416726.00
886363.30   3426911.00    37693.64
  BRAZOS         UPPER BRAZOS   274044.*      PF 1          759.72       759.67       0.05          0.00          0.00   2415814.00
886815.10   3427371.00    37697.23
  BRAZOS         UPPER BRAZOS   274041.*      PF 1          759.72       759.67       0.05          0.00          0.00   2414910.00
887271.60   3427819.00    37700.61
  BRAZOS         UPPER BRAZOS   274039.*      PF 1          759.72       759.67       0.05          0.00          0.00   2413964.00
887749.90   3428287.00    37703.99
  BRAZOS         UPPER BRAZOS   274036.*      PF 1          759.72       759.67       0.05          0.00          0.00   2413020.00
888216.30   3428764.00    37707.55
  BRAZOS         UPPER BRAZOS   274033.*      PF 1          759.72       759.67       0.05          0.00          0.00   2412090.00
888715.00   3429196.00    37710.94
  BRAZOS         UPPER BRAZOS   274030.*      PF 1          759.72       759.67       0.05          0.00          0.00   2411158.00
889161.10   3429681.00    37714.31
  BRAZOS         UPPER BRAZOS   274027.*      PF 1          759.72       759.67       0.05          0.00          0.00   2410255.00
889629.40   3430116.00    37717.69
  BRAZOS         UPPER BRAZOS   274024.*      PF 1          759.72       759.67       0.05          0.00          0.00   2409300.00
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890094.10   3430606.00    37721.25
  BRAZOS         UPPER BRAZOS   274021.*      PF 1         759.72      759.67       0.05         0.00         0.00   2408363.00
890543.60   3431093.00    37724.63
  BRAZOS         UPPER BRAZOS   274018.*      PF 1         759.72      759.67       0.05         0.00         0.00   2407472.00
891011.40   3431516.00    37728.00
  BRAZOS         UPPER BRAZOS   274015.*      PF 1         759.72      759.67       0.05         0.00         0.00   2406514.00
891469.70   3432017.00    37731.55
  BRAZOS         UPPER BRAZOS   274012.*      PF 1         759.72      759.66       0.05         0.00         0.00   2405594.00
891940.60   3432466.00    37734.92
  BRAZOS         UPPER BRAZOS   274009.*      PF 1         759.72      759.66       0.05         0.00         0.00   2404688.00
892388.60   3432924.00    37738.30
  BRAZOS         UPPER BRAZOS   274006.*      PF 1         759.72      759.66       0.05         0.00         0.00   2403765.00
892877.10   3433358.00    37741.66
  BRAZOS         UPPER BRAZOS   274004.*      PF 1         759.72      759.66       0.05         0.00         0.00   2402811.00
893337.00   3433852.00    37745.21
  BRAZOS         UPPER BRAZOS   274001.*      PF 1         759.72      759.66       0.05         0.00         0.00   2401889.00
893804.50   3434307.00    37748.58
  BRAZOS         UPPER BRAZOS   273998.*      PF 1         759.72      759.66       0.05         0.00         0.00   2400970.00
894259.90   3434770.00    37751.95
  BRAZOS         UPPER BRAZOS   273995.*      PF 1         759.72      759.66       0.05         0.00         0.00   2400055.00
894725.50   3435220.00    37755.30
  BRAZOS         UPPER BRAZOS   273992.*      PF 1         759.72      759.66       0.05         0.00         0.00   2399117.00
895165.20   3435718.00    37758.87
  BRAZOS         UPPER BRAZOS   273989.*      PF 1         759.71      759.66       0.05         0.00         0.00   2398199.00
895624.30   3436177.00    37762.23
  BRAZOS         UPPER BRAZOS   273986.*      PF 1         759.71      759.66       0.05         0.00         0.00   2397275.00
896100.00   3436625.00    37765.58
  BRAZOS         UPPER BRAZOS   273983.*      PF 1         759.71      759.66       0.05         0.00         0.00   2396333.00
896552.70   3437114.00    37769.13
  BRAZOS         UPPER BRAZOS   273980.*      PF 1         759.71      759.66       0.05         0.00         0.00   2395418.00
897047.80   3437534.00    37772.48
  BRAZOS         UPPER BRAZOS   273977.*      PF 1         759.71      759.66       0.05         0.00         0.00   2394474.00
897500.90   3438025.00    37775.84
  BRAZOS         UPPER BRAZOS   273974.*      PF 1         759.71      759.66       0.05         0.00         0.00   2393557.00
897954.00   3438489.00    37779.18
  BRAZOS         UPPER BRAZOS   273971.*      PF 1         759.71      759.66       0.05         0.00         0.00   2392649.00
898403.60   3438947.00    37782.73
  BRAZOS         UPPER BRAZOS   273969        PF 1         759.71      759.66       0.05         0.06         0.01   2391722.00
898865.60   3439412.00    37786.08


ERRORS WARNINGS AND NOTES
Errors Warnings and Notes for Plan : MITS004_Stea

River: BRAZOS  Reach: UPPER BRAZOS     RS: 276420.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276417.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276414.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276411.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276408.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276405.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276402.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276399.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276396.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276393.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276390.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276388.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276385.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276382.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276379.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276376.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276373.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276370.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276367.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276364.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276361.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276358.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276355.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276353.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276350.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276347.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276344.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276341.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276338.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276335.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276332.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276329.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276326.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276323.*     Profile: PF 1
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     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276320.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276318.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276315.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276312.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276309.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276306.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276303.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276300.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276297.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276294.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276291.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276288.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276285.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276283.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276280.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276277.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276274.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276271.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276268.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276265.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276262.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276259.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276256.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276253.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276250.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276248.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276245.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276242.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276239.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276236.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276233.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276230.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276227.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 276224.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 275652.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 275649.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 275646.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 275643.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 275641.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 275638.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 275635.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 275632.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 275629.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 275626.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 275623.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 275620.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 275617.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 275614.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 275611.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS  Reach: UPPER BRAZOS     RS: 275608.*     Profile: PF 1
     Warning:Divided flow computed for this cross-section.
River: BRAZOS RIVER  Reach: LOWER BRAZOS     RS: 266298     Profile: PF 1
     Warning:The parabolic search method failed to converge on critical depth.  The program will try the cross section
             slice/secant method to find critical depth.
River: PALUXY  Reach: PALUXY RIVER     RS: 25092     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22745     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22735.0*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22725.0*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22715.0*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: PALUXY  Reach: PALUXY RIVER     RS: 22705.0*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22695.0*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22685.0*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22675.0*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22665.0*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22655.1*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22645.1*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22635.1*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22625.1*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22615.1*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22605.1*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22595.1*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22585.1*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22575.2*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22565.2*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22555.2*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22545.2*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22535.2*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22525.2*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22515.2*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22505.2*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22495.2*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22485.3*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22475.3*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22465.3*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22455.3*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22445.3*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22435.3*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22425.3*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22415.3*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22405.4*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22395.4*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22385.4*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22375.4*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22365.4*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22355.4*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22345.4*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22335.4*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22325.4*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22315.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22305.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22295.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22285.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22275.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22265.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22255.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22245.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22235.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22225.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22215.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22205.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22195.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22185.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22175.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22165.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22155.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22145.7*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: PALUXY  Reach: PALUXY RIVER     RS: 22135.7*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22125.7*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22115.7*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22105.7*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22095.7*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22085.7*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22075.7*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22065.8*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22055.8*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22045.8*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22035.8*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22025.8*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22015.8*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22005.8*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21995.8*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21985.8*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21975.9*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21965.9*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21955.9*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21945.9*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21935.9*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21925.9*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21915.9*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21905.9*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21896.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21886.0*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21876.0*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21866.0*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21856.0*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21846.0*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21836.0*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21826.0*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21816.1*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21806.1*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21796.1*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21786.1*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21776.1*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21766.1*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21756.1*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21746.1*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21736.1*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21726.2*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21716.2*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21706.2*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21696.2*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21686.2*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21676.2*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21666.2*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21656.2*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21646.2*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21636.3*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21626.3*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21616.3*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21606.3*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21596.3*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21586.3*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21576.3*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: PALUXY  Reach: PALUXY RIVER     RS: 21566.3*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21556.4*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21546.4*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21536.4*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21526.4*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21516.4*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21506.4*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21496.4*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21486.4*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21476.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21466.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21456.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21446.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21436.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21426.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21416.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21406.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21396.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21386.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21376.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21366.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21356.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21346.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21336.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21326.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21316.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21306.7*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21296.7*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21286.7*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21276.7*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21266.7*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21256.7*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21246.7*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21236.7*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21226.7*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21216.8*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21206.8*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21196.8*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21186.8*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21176.8*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21166.8*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21156.8*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21146.8*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21136.9*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21126.9*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21116.9*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21106.9*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21096.9*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21086.9*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21076.9*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21066.9*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21056.9*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21047     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 20951.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 20856.3*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 20761.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 20665.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: PALUXY  Reach: PALUXY RIVER     RS: 20570.3*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 20475.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 20379.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 20284.3*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 20189.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 20093.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 19998.3*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 19903.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 19807.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 19712.3*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 19617.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 19521.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 19426.3*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 19331     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 17277     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 15741     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 14471     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 14325.1*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 14179.2*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 14033.4*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 13887.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 13741.7*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 13595.8*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 13450     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 12129     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 11391     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 11341.3*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 11291.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 11241.9*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 11192.2*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 11142.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 11092.9*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 11043.2*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10993.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10943.8*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10894.2*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10844.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10794.8*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10745.1*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10695.4*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10645.8*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10596.1*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10546.4*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10496.7*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10447.0*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10397.4*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10347.7*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10298.0*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10248.3*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10198.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10149.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10099.3*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10049.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9999.96*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9950.28*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9900.6*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9850.92*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: PALUXY  Reach: PALUXY RIVER     RS: 9801.24*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9751.56*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9701.88*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9652.2*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9602.52*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9552.84*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9503.16*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9453.48*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9403.8*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9354.12*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9304.43*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9254.76*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9205.08*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9155.4*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9105.72*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9056.04*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9006.36*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8956.68*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8907     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8861.14*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8815.28*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8769.42*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8723.57*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8677.71*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8631.85*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8586.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8540.14*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8494.28*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8448.42*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8402.57*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8356.71*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8310.85*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8265.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8219.14*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8173.28*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8127.42*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8081.57*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8035.71*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7989.85*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7944     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
     Warning:The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
             This may indicate the need for additional cross sections.
River: PALUXY  Reach: PALUXY RIVER     RS: 7080     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7065.01*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7050.03*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7035.04*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7020.06*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7005.07*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6990.09*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6975.10*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6960.12*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6945.13*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6930.15*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6915.16*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6900.18*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6885.19*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6870.21*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6855.22*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: PALUXY  Reach: PALUXY RIVER     RS: 6840.24*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6825.25*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6810.27*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6795.28*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6780.30*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6765.31*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6750.33*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6735.34*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6720.36*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6705.37*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6690.39*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6675.40*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6660.42*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6645.43*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6630.45*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6615.47*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6600.48*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6585.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6570.51*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6555.53*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6540.54*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6525.56*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6510.57*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6495.59*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6480.60*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6465.62*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6450.63*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6435.65*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6420.66*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6405.68*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6390.69*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6375.71*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6360.72*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6345.74*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6330.75*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6315.77*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6300.78*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6285.80*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6270.81*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6255.83*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6240.84*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6225.86*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6210.87*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6195.89*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6180.91*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6165.92*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6150.94*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6135.95*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6120.97*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6105.98*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6091.00*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6076.01*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6061.03*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6046.04*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6031.06*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6016.07*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6001.09*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: PALUXY  Reach: PALUXY RIVER     RS: 5986.10*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5971.12*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5956.13*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5941.15*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5926.16*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5911.18*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5896.19*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5881.21*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5866.22*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5851.24*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5836.25*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5821.27*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5806.29*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5791.30*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5776.32*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5761.33*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5746.35*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5731.36*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5716.38*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5701.39*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5686.41*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5671.42*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5656.44*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5641.45*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5626.47*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5611.48*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5596.50*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5581.51*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5566.53*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5551.54*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5536.56*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5521.57*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5506.59*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5491.60*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5476.62*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5461.63*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5446.65*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5431.66*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5416.68*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5401.69*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5386.71*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5371.72*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5356.74*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5341.76*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5326.77*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5311.79*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5296.80*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5281.82*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5266.83*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5251.85*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5236.86*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5221.88*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5206.89*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5191.91*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5176.92*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5161.94*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5146.95*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: PALUXY  Reach: PALUXY RIVER     RS: 5131.97*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5116.98*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5102     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3838     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3739.53*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3641.07*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3542.61*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3444.15*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3345.69*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3247.23*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3148.76*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3050.30*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2951.84*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2853.38*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2754.92*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2656.46*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2558     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2533.24*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2508.48*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2483.72*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2458.97*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2434.21*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2409.45*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2384.69*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2359.93*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2335.18*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2310.42*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2285.66*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2260.90*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2236.15*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2211.39*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2186.63*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2161.87*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2137.12*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2112.36*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2087.60*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2062.84*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2038.09*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2013.33*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1988.57*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1963.81*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1939.06*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1914.30*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1889.54*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1864.78*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1840.03*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1815.27*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1790.51*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1765.75*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1741.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1716.24*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1691.48*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1666.72*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1641.97*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1617.21*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1592.45*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1567.69*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: PALUXY  Reach: LOWER PALUXY     RS: 1542.94*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1518.18*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1493.42*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1468.66*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1443.91*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1419.15*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1394.39*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1369.63*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1344.87*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1320.12*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1295.36*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1270.60*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1245.84*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1221.09*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1196.33*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1171.57*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1146.81*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1122.06*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1097.30*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1072.54*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1047.78*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 1023.03*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 998.273*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 973.516*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 948.758*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 924     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 921.058*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 918.117*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 915.176*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 912.235*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 909.294*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 906.353*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 903.411*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 900.470*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 897.529*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 894.588*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 891.647*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 888.705*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 885.764*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 882.823*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 879.882*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 876.941*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 874     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 23044     Profile: PF 1
     Note:   Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was
             used.
River: SQUAW CREEK  Reach: SC     RS: 21993     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 20137     Profile: PF 1
     Note:   Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was
             used.
River: SQUAW CREEK  Reach: SC     RS: 19213     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 18923     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 18864     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 18691.3*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 17925     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
     Note:   Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was
             used.
River: SQUAW CREEK  Reach: SC     RS: 17511     Profile: PF 1
     Note:   Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was
             used.
River: SQUAW CREEK  Reach: SC     RS: 17070     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
     Note:   Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was
             used.
River: SQUAW CREEK  Reach: SC     RS: 16659     Profile: PF 1
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     Note:   Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was
             used.
River: SQUAW CREEK  Reach: SC     RS: 16167     Profile: PF 1
     Note:   Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was
             used.
River: SQUAW CREEK  Reach: SC     RS: 15599     Profile: PF 1
     Note:   Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was
             used.
River: SQUAW CREEK  Reach: SC     RS: 14801     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
     Note:   Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was
             used.
River: SQUAW CREEK  Reach: SC     RS: 14323     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
     Note:   Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was
             used.
River: SQUAW CREEK  Reach: SC     RS: 13921     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
     Note:   Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was
             used.
River: SQUAW CREEK  Reach: SC     RS: 13504     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
     Note:   Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was
             used.
River: SQUAW CREEK  Reach: SC     RS: 13054     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
     Note:   Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was
             used.
River: SQUAW CREEK  Reach: SC     RS: 12713     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
     Note:   Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was
             used.
River: SQUAW CREEK  Reach: SC     RS: 12301     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
     Note:   Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was
             used.
River: SQUAW CREEK  Reach: SC     RS: 11565     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
     Note:   Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was
             used.
River: SQUAW CREEK  Reach: SC     RS: 11411     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
     Note:   Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was
             used.
River: SQUAW CREEK  Reach: SC     RS: 11002     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
     Note:   Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was
             used.
River: SQUAW CREEK  Reach: SC     RS: 10578     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
     Note:   Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was
             used.
River: SQUAW CREEK  Reach: SC     RS: 10312     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
     Note:   Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was
             used.
River: SQUAW CREEK  Reach: SC     RS: 10023     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
     Note:   Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was
             used.
River: SQUAW CREEK  Reach: SC     RS: 9191     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
     Note:   Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was
             used.
River: SQUAW CREEK  Reach: SC     RS: 8809     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
     Note:   Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was
             used.
River: SQUAW CREEK  Reach: SC     RS: 8282     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
     Note:   Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was
             used.
River: SQUAW CREEK  Reach: SC     RS: 7678     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
     Note:   Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was
             used.
River: SQUAW CREEK  Reach: SC     RS: 7370     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
     Note:   Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was
             used.
River: SQUAW CREEK  Reach: SC     RS: 6699     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
     Note:   Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was
             used.
River: SQUAW CREEK  Reach: SC     RS: 5861     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 5194     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4720     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4673.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4627.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4580.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4534.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4487.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4441.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4394.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4348.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4301.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4255     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4209.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4164.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: SQUAW CREEK  Reach: SC     RS: 4118.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4073.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4027.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 3982.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 3936.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 3891     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 3443     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 3300     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 3057     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 2930     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 2688     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 2449     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 2196     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 2133.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 2071.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 2008.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1946     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1941.04*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1936.09*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1931.14*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1926.19*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1921.24*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1916.29*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1911.34*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1906.39*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1901.44*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1896.49*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1891.54*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1886.59*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1881.64*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1876.69*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1871.74*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1866.79*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1861.83*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1856.88*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1851.93*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1846.98*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1842.03*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1837.08*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1832.13*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1827.18*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1822.23*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1817.28*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1812.33*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1807.38*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1802.43*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1797.48*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1792.53*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1787.58*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1782.63*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1777.67*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1772.72*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1767.77*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1762.82*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1757.87*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1752.92*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1747.97*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: SQUAW CREEK  Reach: SC     RS: 1743.02*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1738.07*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1733.12*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1728.17*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1723.22*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1718.27*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1713.32*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1708.37*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1703.42*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1698.46*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1693.51*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1688.56*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1683.61*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1678.66*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1673.71*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1668.76*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1663.81*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1658.86*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1653.91*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1648.96*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1644.01*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1639.06*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1634.11*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1629.16*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1624.21*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1619.25*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1614.30*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1609.35*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1604.40*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1599.45*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1594.50*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1589.55*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1584.60*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1579.65*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1574.70*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1569.75*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1564.80*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1559.85*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1554.90*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1549.95*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1545     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1544.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1544.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1543.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1543.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1542.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1542.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1541.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1541.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1540.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1540.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1539.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1539.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1538.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1538.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1537.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1537.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: SQUAW CREEK  Reach: SC     RS: 1536.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1536.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1535.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1535.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1534.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1534.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1533.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1533.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1532.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1532.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1531.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1531.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1530.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1530.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1529.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1529.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1528.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1528.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1527.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1527.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1526.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1526.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1525.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1525.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1524.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1524.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1523.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1523.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1522.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1522.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1521.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1521.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1520.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1520.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1519.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1519.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1518.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1518.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1517.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1517.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1516.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1516.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1515.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1515.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1514.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1514.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1513.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1513.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1512.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1512.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1511.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1511.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1510.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1510.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1509.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1509.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1508.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: SQUAW CREEK  Reach: SC     RS: 1508.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1507.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1507.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1506.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1506.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1505.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1505.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1504.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1504.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1503.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1503.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1502.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1502.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1501.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1501.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1500.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1500.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1499.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1499.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1498.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1498.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1497.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1497.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1496.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1496.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1495.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1495.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1494.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1494.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1493.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1493.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1492.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1492.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1491.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1491.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1490.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1490.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1489.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1489.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1488.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1488.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1487.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1487.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1486.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1486.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1485.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1485.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1484.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1484.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1483.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1483.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1482.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1482.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1481.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1481.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1480.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1480.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: SQUAW CREEK  Reach: SC     RS: 1479.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1479.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1478.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1478.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1477.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1477.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1476.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1476.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1475.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1475.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1474.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1474.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1473.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1473.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1472.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1472.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1471.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1471.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1470.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1470.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1469.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1469.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1468.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1468.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1467.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1467.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1466.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1466.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1465.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1465.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1464.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1464.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1463.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1463.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1462.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1462.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1461.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1461.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1460.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1460.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1459.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1459.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1458.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1458.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1457.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1457.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1456.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1456.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1455.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1455.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1454.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1454.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1453.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1453.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1452.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1452.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1451.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: SQUAW CREEK  Reach: SC     RS: 1451.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1450.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1450.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1449.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1449.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1448.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1448.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1447.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1447.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1446.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1446.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1445.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1445.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1444.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1444.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1443.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1443.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1442.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1442.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1441.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1441.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1440.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1440.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1439.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1439.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1438.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1438.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1437.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1437.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1436.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1436.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1435.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1435.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1434.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1434.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1433.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1433.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1432.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1432.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1431.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1431.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1430.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1430.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1429.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1429.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1428.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1428.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1427.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1427.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1426.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1426.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1425.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1425.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1424.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1424.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1423.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1423.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: SQUAW CREEK  Reach: SC     RS: 1422.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1422.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1421.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1421.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1420.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1420.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1419.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1419.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1418.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1418.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1417.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1417.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1416.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1416.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1415.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1415.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1414.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1414.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1413.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1413.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1412.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1412.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1411.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1411.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1410.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1410.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1409.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1409.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1408.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1408.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1407.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1407.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1406.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1406.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1405.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1405.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1404.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1404.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1403.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1403.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1402.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1402.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1401.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1401.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1400.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1400.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1399.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1399.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1398.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1398.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1397.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1397.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1396.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1396.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1395.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1395.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1394.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: SQUAW CREEK  Reach: SC     RS: 1394.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1393.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1393.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1392.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1392.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1391.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1391.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1390.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1390.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1389.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1389.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1388.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1388.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1387.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1387.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1386.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1386.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1385.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1385.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1384.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1384.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1383.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1383.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1382.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1382.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1381.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1381.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1380.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1380.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1379.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1379.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1378.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1378.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1377.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1377.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1376.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1376.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1375.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1375.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1374.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1374.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1373.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1373.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1372.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1372.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1371.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1371.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1370.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1370.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1369.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1369.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1368.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1368.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1367.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1367.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1366.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1366.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: SQUAW CREEK  Reach: SC     RS: 1365.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1365.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1364.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1364.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1363.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1363.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1362.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1362.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1361.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1361.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1360.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1360.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1359.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1359.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1358.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1358.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1357.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1357.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1356.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1356.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1355.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1355.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1354.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1354.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1353.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1353.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1352.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1352.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1351.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1351.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1350.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1350.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1349.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1349.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1348.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1348.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1347.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1347.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1346.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1346.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1345.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1345.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1344.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1344.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1343.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1343.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1342.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1342.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1341.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1341.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1340.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1340.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1339.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1339.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1338.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1338.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1337.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: SQUAW CREEK  Reach: SC     RS: 1337.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1336.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1336.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1335.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1335.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1334.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1334.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1333.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1333.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1332.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1332.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1331.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1331.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1330.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1330.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1329.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1329.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1328.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1328.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1327.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1327.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1326.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1326.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1325.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1325.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1324.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1324.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1323.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1323.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1322.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1322.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1321.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1321.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1320.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1320.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1319.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1319.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1318.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1318.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1317.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1317.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1316.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1316.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1315.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1315.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1314.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1314.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1313.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1313.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1312.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1312.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1311.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1311.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1310.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1310.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1309.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1309.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: SQUAW CREEK  Reach: SC     RS: 1308.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1308.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1307.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1307.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1306.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1306.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1305.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1305.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1304.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1304.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1303.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1303.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1302.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1302.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1301.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1301.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1300.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1300.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1299.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1299.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1298.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1298.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1297.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1297.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1296.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1296.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1295.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1295.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1294.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1294.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1293.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1293.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1292.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1292.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1291.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1291.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1290.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1290.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1289.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1289.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1288.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1288.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1287.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1287.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1286.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1286.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1285.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1285.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1284.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1284.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1283.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1283.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1282.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1282.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1281.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1281.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1280.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: SQUAW CREEK  Reach: SC     RS: 1280.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1279.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1279.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1278.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1278.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1277.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1277.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1276.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1276.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1275.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1275.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1274.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1274.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1273.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1273.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1272.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1272.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1271.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1271.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1270.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1270.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1269.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1269.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1268.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1268.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1267.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1267.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1266.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1266.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1265.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1265.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1264.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1264.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1263.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1263.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1262.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1262.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1261.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1261.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1260.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1260.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1259.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1259.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1258.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1258.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1257.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1257.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1256.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1256.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1255.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1255.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1254.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1254.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1253.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1253.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1252.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1252.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
```

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River: SQUAW CREEK  Reach: SC     RS: 1251.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1251.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1250.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1250.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1249.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1249.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1248.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1248.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1247.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1247.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1246.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1246.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1245.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1245.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1244.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1244.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1243.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1243.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1242.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1242.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1241.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1241.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1240.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1240.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1239.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1239.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1238.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1238.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1237.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1237.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1236.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1236.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1235.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1235.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1234.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1234.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1233.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1233.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1232.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1232.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1231.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1231.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1230.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1230.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1229.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1229.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1228.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1228.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1227.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1227.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1226.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1226.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1225.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1225.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1224.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1224.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1223.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
```

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River: SQUAW CREEK  Reach: SC     RS: 1223.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1222.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1222.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1221.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1221.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1220.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1220.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1219.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1219.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1218.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1218.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1217.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1217.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1216.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1216.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1215.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1215.*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1214.5*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1214     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1211.05*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1208.11*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1205.17*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1202.23*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1199.29*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1196.35*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1193.41*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1190.47*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1187.52*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1184.58*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1181.64*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1178.70*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1175.76*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1172.82*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1169.88*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1166.94*     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1164     Profile: PF 1
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
```

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                        HEC-RAS Version 3.1.3 May 2005
                         U.S. Army Corp of Engineers
                        Hydrologic Engineering Center
                              609 Second Street
                              Davis, California


            X     X  XXXXXX    XXXX        XXXX       XX      XXXX
            X     X  X        X    X       X   X     X  X    X
            X     X  X        X            X   X    X    X   X
            XXXXXXX  XXXX     X       XXX  XXXX     XXXXXX    XXXX
            X     X  X        X            X  X     X    X        X
            X     X  X        X    X       X   X    X    X        X
            X     X  XXXXXX    XXXX        X    X   X    X   XXXXX



PROJECT DATA
Project Title: CPNPP_Rev2
Project File : Rev2.prj
Run Date and Time: 6/14/2010 4:42:28 PM

Project in English units

Project Description:





PLAN DATA

Plan Title: Plan 06
Plan File : h:\wp51\Texas Utilities - TXU\Comanche Peak\TXU Comanche Peak ENGR\FSAR Working\TXU Comanche Peak 2.4.3\CPNPP 2.4.3
Calc\PMF\Rev 2\HECRAS_Unsteady State 061410\Rev2.p06

           Geometry Title: MITS004
           Geometry File : h:\wp51\Texas Utilities - TXU\Comanche Peak\TXU Comanche Peak ENGR\FSAR Working\TXU Comanche Peak
2.4.3\CPNPP 2.4.3 Calc\PMF\Rev 2\HECRAS_Unsteady State 061410\Rev2.g27

           Flow Title    :
           Flow File     :

Plan Summary Information:
Number of:  Cross Sections =  910    Multiple Openings  =    0
            Culverts       =    0    Inline Structures  =    0
            Bridges        =    0    Lateral Structures =    0

Computational Information
    Water surface calculation tolerance  =  0.01
    Critical depth calculation tolerance =  0.01
    Maximum number of iterations         =  20
    Maximum difference tolerance         =  0.3
    Flow tolerance factor                =  0.001

Computation Options
    Critical depth computed only where necessary
    Conveyance Calculation Method: At breaks in n values only
    Friction Slope Method:         Average Conveyance
    Computational Flow Regime:     Subcritical Flow



GEOMETRY DATA

Geometry Title: MITS004
Geometry File : h:\wp51\Texas Utilities - TXU\Comanche Peak\TXU Comanche Peak ENGR\FSAR Working\TXU Comanche Peak 2.4.3\CPNPP
2.4.3 Calc\PMF\Rev 2\HECRAS_Unsteady State 061410\Rev2.g27

Reach Connection Table

  River            Reach               Upstream Boundary    Downstream Boundary

  PALUXY           PALUXY RIVER                               LP
  PALUXY           LOWER PALUXY         LP
  SQUAW CREEK      SC                                         LP


JUNCTION INFORMATION

Name: LP
Description:
Energy computation Method

    Length across Junction             Tributary
     River           Reach               River           Reach        Length   Angle
PALUXY          PALUXY RIVER     to PALUXY          LOWER PALUXY           5
SQUAW CREEK     SC               to PALUXY          LOWER PALUXY           5

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 25092

INPUT
Description:
Station Elevation Data    num=      20
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     710      50     710     350     700     600     660     700     660
     800     650     950     650    1400     640    1600     640    1700     630
    1800     612    1900     612    2000     633    2250     637    2350     635
    2450     635    2600     660    2800     660    3800     680    4400     712

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    1700     .15    2000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
```

```
          1700    2000             2347    2347    2347             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            762.89    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            762.82    Reach Len. (ft)          2347.00    2347.00    2347.00
  Crit W.S. (ft)                      Flow Area (sq ft)       169036.20   43294.63   228182.00
  E.G. Slope (ft/ft)      0.000103    Area (sq ft)            169036.20   43294.63   228182.00
  Q Total (cfs)           944429.50    Flow (cfs)             356041.80   118514.00   469873.70
  Top Width (ft)           4400.00    Top Width (ft)           1700.00     300.00    2400.00
  Vel Total (ft/s)            2.14    Avg. Vel. (ft/s)            2.11       2.74       2.06
  Max Chl Dpth (ft)         150.82    Hydr. Depth (ft)           99.43     144.32      95.08
  Conv. Total (cfs)       93249460.0    Conv. (cfs)            35154250.0   11701640.0   46393580.0
  Length Wtd. (ft)         2347.00    Wetted Per. (ft)         1757.27     303.79    2453.99
  Min Ch El (ft)            612.00    Shear (lb/sq ft)            0.62       0.91       0.60
  Alpha                       1.03    Stream Power (lb/ft s)      1.30       2.50       1.23
  Frctn Loss (ft)             0.24    Cum Volume (acre-ft)    175430.70   29095.46   110032.70
  C & E Loss (ft)                     Cum SA (acres)           1558.13     178.85    1035.11


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 22745

INPUT
Description:
Station Elevation Data    num=      18
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     736     300     710     550     690     800     690    1150     670
    1800     640    2600     630    2750     620    2800     608    2900     608
    2950     630    3000     636    3200     630    3400     630    3600     652
    4000     676    4400     740    4600     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2600     .15    2950     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2600    2950             1698    1698    1698             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            762.51    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.07    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            762.44    Reach Len. (ft)          1698.00    1698.00    1698.00
  Crit W.S. (ft)                      Flow Area (sq ft)       246187.00   50653.06   148771.60
  E.G. Slope (ft/ft)      0.000103    Area (sq ft)            246187.00   50653.06   148771.60
  Q Total (cfs)           944257.20    Flow (cfs)             509275.00   138414.40   296567.80
  Top Width (ft)           4600.00    Top Width (ft)           2600.00     350.00    1650.00
  Vel Total (ft/s)            2.12    Avg. Vel. (ft/s)            2.07       2.73       1.99
  Max Chl Dpth (ft)         154.44    Hydr. Depth (ft)           94.69     144.72      90.16
  Conv. Total (cfs)       93228340.0    Conv. (cfs)            50281700.0   13665920.0   29280710.0
  Length Wtd. (ft)         1698.00    Wetted Per. (ft)         2629.69     356.38    1679.90
  Min Ch El (ft)            608.00    Shear (lb/sq ft)            0.60       0.91       0.57
  Alpha                       1.04    Stream Power (lb/ft s)      1.24       2.49       1.13
  Frctn Loss (ft)             0.16    Cum Volume (acre-ft)    164244.60   26564.53   99877.61
  C & E Loss (ft)                     Cum SA (acres)           1442.29     161.34     926.00


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 21047

INPUT
Description:
Station Elevation Data    num=      24
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     742     150     730     300     710     600     692     800     680
    1400     662    1700     659    2800     650    3050     640    3200     630
    3600     620    3700     620    3800     605    3900     605    4000     630
    4100     650    4200     660    4300     705    4400     705    4450     700
    4550     700    4900     710    5000     728    5200     742

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3600     .15    4000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3600    4000             1716    1716    1716             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            761.81    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            761.74    Reach Len. (ft)          1716.00    1716.00    1716.00
  Crit W.S. (ft)                      Flow Area (sq ft)       349171.90   59196.88   75065.63
  E.G. Slope (ft/ft)      0.000088    Area (sq ft)            349171.90   59196.88   75065.63
  Q Total (cfs)           944147.80    Flow (cfs)             683040.10   153072.40   108035.30
  Top Width (ft)           5200.00    Top Width (ft)           3600.00     400.00    1200.00
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.96       2.59       1.44
  Max Chl Dpth (ft)         156.74    Hydr. Depth (ft)           96.99     147.99      62.55
  Conv. Total (cfs)       100496300.0    Conv. (cfs)            72703660.0   16293220.0   11499420.0
  Length Wtd. (ft)         1716.00    Wetted Per. (ft)         3623.43     404.20    1234.37
  Min Ch El (ft)            605.00    Shear (lb/sq ft)            0.53       0.81       0.34
  Alpha                       1.07    Stream Power (lb/ft s)      1.04       2.09       0.48
  Frctn Loss (ft)             0.12    Cum Volume (acre-ft)    152640.90   24423.51   95514.95
  C & E Loss (ft)                     Cum SA (acres)           1321.45     146.72     870.46


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
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REACH: PALUXY RIVER       RS: 19331

INPUT
Description:
Station Elevation Data    num=      20
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     716     250     700     400     700    1000     676    1600     660
    2100     650    3000     650    3850     620    3900     605    3900     602
    4100     602    4150     625    4400     653    4600     662    4700     664
    4800     670    5100     670    5550     680    6000     700    6300     728

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3850     .15    4150     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3850    4150             2054    2054    2054             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            761.28    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            761.24    Reach Len. (ft)          2054.00    2054.00    2054.00
  Crit W.S. (ft)                      Flow Area (sq ft)       382932.20   46672.64   182970.60
  E.G. Slope (ft/ft)      0.000054    Area (sq ft)            382932.20   46672.64   182970.60
  Q Total (cfs)           944087.50    Flow (cfs)              593344.10   96066.09   254677.30
  Top Width (ft)           6300.00    Top Width (ft)           3850.00     300.00    2150.00
  Vel Total (ft/s)            1.54    Avg. Vel. (ft/s)            1.55       2.06       1.39
  Max Chl Dpth (ft)         159.24    Hydr. Depth (ft)           99.46     155.58      85.10
  Conv. Total (cfs)       128524700.0    Conv. (cfs)            80775770.0   13078100.0   34670860.0
  Length Wtd. (ft)         2054.00    Wetted Per. (ft)         3897.08     310.24    2187.07
  Min Ch El (ft)            602.00    Shear (lb/sq ft)            0.33       0.51       0.28
  Alpha                       1.04    Stream Power (lb/ft s)      0.51       1.04       0.39
  Frctn Loss (ft)             0.11    Cum Volume (acre-ft)    138220.60   22338.21   90432.41
  C & E Loss (ft)                     Cum SA (acres)           1174.71     132.93     804.47


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 17277

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     200     720     500     690     800     680    1000     665
    1200     650    2000     650    2200     620    2600     620    2800     610
    2900     595    3000     595    3100     622    3300     638    3450     645
    3600     650    4000     650    4600     660    4800     670    5150     690
    5600     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2600     .15    3100     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2600    3100             1536    1536    1536             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            761.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            761.02    Reach Len. (ft)          1536.00    1536.00    1536.00
  Crit W.S. (ft)                      Flow Area (sq ft)       256649.20   76909.46   237447.30
  E.G. Slope (ft/ft)      0.000058    Area (sq ft)            256649.20   76909.46   237447.30
  Q Total (cfs)           944050.70    Flow (cfs)              408501.30   165383.60   370165.80
  Top Width (ft)           5600.00    Top Width (ft)           2600.00     500.00    2500.00
  Vel Total (ft/s)            1.65    Avg. Vel. (ft/s)            1.59       2.15       1.56
  Max Chl Dpth (ft)         166.02    Hydr. Depth (ft)           98.71     153.82      94.98
  Conv. Total (cfs)       124034100.0    Conv. (cfs)            53670940.0   21728920.0   48634240.0
  Length Wtd. (ft)         1536.00    Wetted Per. (ft)         2646.04     504.95    2525.58
  Min Ch El (ft)            595.00    Shear (lb/sq ft)            0.35       0.55       0.34
  Alpha                       1.05    Stream Power (lb/ft s)      0.56       1.18       0.53
  Frctn Loss (ft)             0.10    Cum Volume (acre-ft)    123141.40   19424.55   80520.36
  C & E Loss (ft)                     Cum SA (acres)           1022.64     114.07     694.84


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 15741

INPUT
Description:
Station Elevation Data    num=      30
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     200     720     450     710     700     708     800     704
     900     700     950     690    1200     690    1450     680    1475     670
    1575     670    1575     630    1900     620    2400     610    2450     600
    2550     593    2650     593    2700     600    2800     620    3000     625
    3050     625    3100     620    3200     620    3550     640    3600     640
    3800     650    4000     650    4300     660    4600     660    5600     750

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2400     .15    2800     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2400    2800             1270    1270    1270             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.88    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.83    Reach Len. (ft)          1270.00    1270.00    1270.00
  Crit W.S. (ft)                      Flow Area (sq ft)       212187.90   64306.32   270444.30
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            212187.90   64306.32   270444.30
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  Q Total (cfs)           944034.00    Flow (cfs)              332705.40   152782.60   458546.00
  Top Width (ft)           5600.00    Top Width (ft)           2400.00     400.00    2800.00
  Vel Total (ft/s)            1.73    Avg. Vel. (ft/s)            1.57       2.38       1.70
  Max Chl Dpth (ft)         167.83    Hydr. Depth (ft)           88.41     160.77      96.59
  Conv. Total (cfs)       115664200.0    Conv. (cfs)            40763490.0   18719120.0   56181640.0
  Length Wtd. (ft)         1270.00    Wetted Per. (ft)         2484.57     403.70    2816.17
  Min Ch El (ft)            593.00    Shear (lb/sq ft)            0.36       0.66       0.40
  Alpha                       1.07    Stream Power (lb/ft s)      0.56       1.57       0.68
  Frctn Loss (ft)             0.07    Cum Volume (acre-ft)    114875.40   16934.80   71565.80
  C & E Loss (ft)                     Cum SA (acres)            934.48      98.20     601.40


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 14471

INPUT
Description:
Station Elevation Data    num=      18
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     100     720     550     670     650     670    2000     640
    2200     640    2750     630    2800     630    2800     620    3000     610
    3050     590    3200     590    3450     615    4400     630    4650     630
    4800     640    5000     740    5200     750

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3000     .15    3450     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3000    3450           145.86  145.86  145.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.76    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.72    Reach Len. (ft)          145.86     145.86     145.86
  Crit W.S. (ft)                      Flow Area (sq ft)       314400.80   73197.61   200129.60
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            314400.80   73197.61   200129.60
  Q Total (cfs)           944023.90    Flow (cfs)              475027.50   148912.80   320083.60
  Top Width (ft)           5200.00    Top Width (ft)           3000.00     450.00    1750.00
  Vel Total (ft/s)            1.61    Avg. Vel. (ft/s)            1.51       2.03       1.60
  Max Chl Dpth (ft)         170.72    Hydr. Depth (ft)         104.80     162.66     114.36
  Conv. Total (cfs)       135950100.0    Conv. (cfs)            68409330.0   21445120.0   46095660.0
  Length Wtd. (ft)          145.86    Wetted Per. (ft)         3054.16     455.10    1785.03
  Min Ch El (ft)            590.00    Shear (lb/sq ft)            0.31       0.48       0.34
  Alpha                       1.03    Stream Power (lb/ft s)      0.47       0.98       0.54
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    107199.00   14930.32   64705.96
  C & E Loss (ft)                     Cum SA (acres)            855.76      85.81     535.07


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 14325.1*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  110.48  718.35  382.42  690.84  478.02  682.32  607.62  668.47
  637.36  667.86   718.1   667.5 1115.38  658.86 1338.46  655.02 1529.67  650.29
 1529.67  649.72 1593.41  647.77 1848.35  643.37 1912.09  642.56 2209.52  637.83
 2230.77  637.86 2294.51  638.57 2430.48  638.57  3038.1     630 3059.34     630
 3093.33  629.62 3093.33  621.05 3123.08  619.56 3250.55  613.04 3314.29     610
 3364.29  589.71 3521.43  589.71 3757.14  613.57 4440.91  625.33 4699.39  629.21
 4861.69  629.43 4947.35  629.89 4966.88  631.13 5096.12  645.01 5282.47  734.81
 5294.49  740.02 5492.86  748.86

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3314.29     .15 3757.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3314.29 3757.14           145.86  145.86  145.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.75    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.71    Reach Len. (ft)          145.86     145.86     145.86
  Crit W.S. (ft)                      Flow Area (sq ft)       353821.20   72408.54   198727.10
  E.G. Slope (ft/ft)      0.000042    Area (sq ft)            353821.20   72408.54   198727.10
  Q Total (cfs)           944022.60    Flow (cfs)              507631.30   138426.30   297965.20
  Top Width (ft)           5492.86    Top Width (ft)           3314.29     442.85    1735.72
  Vel Total (ft/s)            1.51    Avg. Vel. (ft/s)            1.43       1.91       1.50
  Max Chl Dpth (ft)         171.00    Hydr. Depth (ft)         106.76     163.51     114.49
  Conv. Total (cfs)       145140800.0    Conv. (cfs)            78046860.0   21282640.0   45811290.0
  Length Wtd. (ft)          145.86    Wetted Per. (ft)         3367.31     448.01    1770.27
  Min Ch El (ft)            589.71    Shear (lb/sq ft)            0.28       0.43       0.30
  Alpha                       1.03    Stream Power (lb/ft s)      0.40       0.82       0.44
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    106080.30   14686.54   64038.18
  C & E Loss (ft)                     Cum SA (acres)            845.19      84.32     529.23


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 14179.2*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
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       0     720  120.95   716.7  418.68  689.04  523.35   681.6  665.24  666.94
   697.8  665.71  786.19  664.99 1221.15  655.72 1465.38  652.52 1674.73  646.91
 1674.73  645.77 1744.51  643.14 2023.63  639.47 2093.41  639.13 2419.05  635.66
 2442.31  635.71 2512.09  637.14 2660.95  637.14 3326.19     630 3349.45     630
 3386.67  629.24 3386.67   622.1 3419.23  620.47 3558.79   613.2 3628.57     610
 3678.57  589.43 3842.86  589.43 4064.29  612.14 4742.42  624.78 4998.78  628.42
 5159.74  628.86 5244.69  629.79 5264.07  630.94 5392.24  650.01 5577.06  735.67
 5588.98  740.03 5785.71  747.71

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3628.57     .15 4064.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3628.57 4064.29           145.86  145.86  145.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.74    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.71    Reach Len. (ft)           145.86     145.86     145.86
  Crit W.S. (ft)                      Flow Area (sq ft)       394473.00   71599.73   197322.20
  E.G. Slope (ft/ft)      0.000037    Area (sq ft)            394473.00   71599.73   197322.20
  Q Total (cfs)           944021.10    Flow (cfs)             537685.30   128737.40   277598.50
  Top Width (ft)           5785.71    Top Width (ft)           3628.57     435.72    1721.42
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.36       1.80       1.41
  Max Chl Dpth (ft)         171.28    Hydr. Depth (ft)          108.71     164.33     114.63
  Conv. Total (cfs)       154801600.0    Conv. (cfs)            88170220.0   21110490.0   45520900.0
  Length Wtd. (ft)          145.86    Wetted Per. (ft)         3680.58     440.95    1755.82
  Min Ch El (ft)            589.43    Shear (lb/sq ft)            0.25       0.38       0.26
  Alpha                       1.03    Stream Power (lb/ft s)      0.34       0.68       0.37
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    104827.40   14445.44   63375.10
  C & E Loss (ft)                     Cum SA (acres)            833.57      82.85     523.45


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 14033.4*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  131.43  715.05  454.95  687.23  568.68  680.88  722.86  665.41
  758.24  663.57  854.29  662.49 1326.92  652.58 1592.31  650.01 1819.78  643.53
 1819.78  641.81  1895.6  638.51  2198.9  635.58 2274.73   635.7 2628.57  633.49
 2653.85  633.57 2729.67  635.71 2891.43  635.71 3614.29     630 3639.56     630
    3680  628.86    3680  623.14 3715.38  621.37 3867.03  613.36 3942.86     610
 3992.86  589.14 4164.29  589.14 4371.43  610.71 5043.94  624.22 5298.16  627.62
 5457.79  628.29 5542.04  629.68 5561.26  630.75 5688.37  655.02 5871.65  736.54
 5883.47  740.05 6078.57  746.57

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3942.86     .15 4371.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3942.86 4371.43           145.86  145.86  145.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.73    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.70    Reach Len. (ft)           145.86     145.86     145.86
  Crit W.S. (ft)                      Flow Area (sq ft)       436358.40   70770.47   195919.30
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            436358.40   70770.47   195919.30
  Q Total (cfs)           944019.40    Flow (cfs)             565395.00   119784.40   258840.00
  Top Width (ft)           6078.57    Top Width (ft)           3942.86     428.57    1707.14
  Vel Total (ft/s)            1.34    Avg. Vel. (ft/s)            1.30       1.69       1.32
  Max Chl Dpth (ft)         171.56    Hydr. Depth (ft)          110.67     165.13     114.76
  Conv. Total (cfs)       164942900.0    Conv. (cfs)            98788090.0   20929210.0   45225570.0
  Length Wtd. (ft)          145.86    Wetted Per. (ft)         3993.99     433.87    1741.70
  Min Ch El (ft)            589.14    Shear (lb/sq ft)            0.22       0.33       0.23
  Alpha                       1.02    Stream Power (lb/ft s)      0.29       0.56       0.30
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    103436.40   14207.07   62716.71
  C & E Loss (ft)                     Cum SA (acres)            820.89      81.40     517.71


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 13887.5*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   141.9   713.4  491.21  685.42  614.01  680.16  780.48  663.88
  818.68  661.43  922.38  659.98 1432.69  649.43 1719.23  647.51 1964.84  640.15
 1964.84  637.86  2046.7  633.88 2374.18  631.68 2456.04  632.28  2838.1  631.31
 2865.38  631.43 2947.25  634.29  3121.9  634.29 3902.38     630 3929.67     630
 3973.33  628.48 3973.33  624.19 4011.54  622.28 4175.27  613.52 4257.14     610
 4307.14  588.86 4485.71  588.86 4678.57  609.29 5345.45  623.67 5597.55  626.83
 5755.84  627.71 5839.39  629.58 5858.44  630.56 5984.49  660.03 6166.23   737.4
 6177.96  740.07 6371.43  745.43

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 4257.14     .15 4678.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       4257.14 4678.57           145.86  145.86  145.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
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  W.S. Elev (ft)            760.70    Reach Len. (ft)           145.86     145.86     145.86
  Crit W.S. (ft)                      Flow Area (sq ft)       479474.30   69918.69   194504.20
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            479474.30   69918.69   194504.20
  Q Total (cfs)           944017.50    Flow (cfs)              590979.60   111503.30   241534.60
  Top Width (ft)           6371.43    Top Width (ft)           4257.14     421.43    1692.86
  Vel Total (ft/s)            1.27    Avg. Vel. (ft/s)            1.23       1.59       1.24
  Max Chl Dpth (ft)         171.84    Hydr. Depth (ft)          112.63     165.91     114.90
  Conv. Total (cfs)       175565500.0    Conv. (cfs)            109908600.0   20737050.0   44919870.0
  Length Wtd. (ft)          145.86    Wetted Per. (ft)         4307.46     426.79    1727.91
  Min Ch El (ft)            588.86    Shear (lb/sq ft)            0.20       0.30       0.20
  Alpha                       1.02    Stream Power (lb/ft s)      0.25       0.47       0.25
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    101903.10   13971.53   62063.05
  C & E Loss (ft)                     Cum SA (acres)            807.16      79.98     512.01


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 13741.7*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  152.38  711.75  527.47  683.61  659.34  679.44   838.1  662.35
  879.12  659.29  990.48  657.48 1538.46  646.29 1846.15  645.01 2109.89  636.76
 2109.89  633.91  2197.8  629.26 2549.45  627.79 2637.36  628.85 3047.62  629.14
 3076.92  629.29 3164.84  632.86 3352.38  632.86 4190.48     630 4219.78     630
 4266.67   628.1 4266.67  625.24 4307.69  623.19 4483.52  613.68 4571.43     610
 4621.43  588.57 4807.14  588.57 4985.71  607.86 5646.97  623.11 5896.94  626.04
  6053.9  627.14 6136.73  629.47 6155.63  630.38 6280.61  665.03 6460.82  738.27
 6472.45  740.08 6664.29  744.29

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 4571.43     .15 4985.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       4571.43 4985.71           145.86  145.86  145.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.72    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.69    Reach Len. (ft)           145.86     145.86     145.86
  Crit W.S. (ft)                      Flow Area (sq ft)       523819.50   69049.15   193094.40
  E.G. Slope (ft/ft)      0.000026    Area (sq ft)            523819.50   69049.15   193094.40
  Q Total (cfs)           944015.30    Flow (cfs)              614586.20   103847.60   225581.60
  Top Width (ft)           6664.29    Top Width (ft)           4571.43     414.28    1678.58
  Vel Total (ft/s)            1.20    Avg. Vel. (ft/s)            1.17       1.50       1.17
  Max Chl Dpth (ft)         172.12    Hydr. Depth (ft)          114.59     166.67     115.03
  Conv. Total (cfs)       186686200.0    Conv. (cfs)            121539100.0   20536650.0   44610470.0
  Length Wtd. (ft)          145.86    Wetted Per. (ft)         4621.00     419.72    1714.45
  Min Ch El (ft)            588.57    Shear (lb/sq ft)            0.18       0.26       0.18
  Alpha                       1.02    Stream Power (lb/ft s)      0.21       0.39       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    100223.30   13738.86   61414.12
  C & E Loss (ft)                     Cum SA (acres)            792.38      78.58     506.37


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 13595.8*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  162.86   710.1  563.74  681.81  704.67  678.72  895.71  660.82
  939.56  657.14 1058.57  654.97 1644.23  643.14 1973.08   642.5 2254.95  633.38
 2254.95  629.95  2348.9  624.63 2724.73   623.9 2818.68  625.43 3257.14  626.97
 3288.46  627.14 3382.42  631.43 3582.86  631.43 4478.57     630 4509.89     630
    4560  627.71    4560  626.29 4603.85  624.09 4791.76  613.84 4885.71     610
 4935.71  588.29 5128.57  588.29 5292.86  606.43 5948.48  622.56 6196.33  625.25
 6351.95  626.57 6434.08  629.36 6452.81  630.19 6576.73  670.04 6755.41  739.13
 6766.94   740.1 6957.14  743.14

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 4885.71     .15 5292.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       4885.71 5292.86           145.86  145.86  145.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.71    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.69    Reach Len. (ft)           145.86     145.86     145.86
  Crit W.S. (ft)                      Flow Area (sq ft)       569405.10   68159.74   191675.00
  E.G. Slope (ft/ft)      0.000023    Area (sq ft)            569405.10   68159.74   191675.00
  Q Total (cfs)           944012.90    Flow (cfs)              636412.90   96758.80   210841.20
  Top Width (ft)           6957.14    Top Width (ft)           4885.71     407.15    1664.28
  Vel Total (ft/s)            1.14    Avg. Vel. (ft/s)            1.12       1.42       1.10
  Max Chl Dpth (ft)         172.40    Hydr. Depth (ft)          116.55     167.41     115.17
  Conv. Total (cfs)       198309900.0    Conv. (cfs)            133692000.0   20326230.0   44291650.0
  Length Wtd. (ft)          145.86    Wetted Per. (ft)         4934.59     412.66    1701.32
  Min Ch El (ft)            588.29    Shear (lb/sq ft)            0.16       0.23       0.16
  Alpha                       1.02    Stream Power (lb/ft s)      0.18       0.33       0.18
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    98393.01   13509.14   60769.92
  C & E Loss (ft)                     Cum SA (acres)            776.55      77.20     500.77


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: PALUXY
REACH: PALUXY RIVER       RS: 13450

INPUT
Description:
Station Elevation Data    num=      25
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680     750     678    1000     655    1750     640
    2100     640    2400     630    2400     626    2500     620    2900     620
    3000     622    3500     625    3600     630    4800     630    4900     625
    5100     614    5200     610    5250     588    5450     588    5600     605
    6250     622    6650     626    6750     630    7050     740    7250     742

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5200     .15    5600     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5200    5600             1321    1321    1321             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.71    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.69    Reach Len. (ft)          1321.00    1321.00    1321.00
  Crit W.S. (ft)                      Flow Area (sq ft)       616221.80   67249.76   190258.40
  E.G. Slope (ft/ft)      0.000020    Area (sq ft)            616221.80   67249.76   190258.40
  Q Total (cfs)           944010.30    Flow (cfs)             656588.60   90192.42   197229.20
  Top Width (ft)           7250.00    Top Width (ft)           5200.00     400.00    1650.00
  Vel Total (ft/s)            1.08    Avg. Vel. (ft/s)            1.07       1.34       1.04
  Max Chl Dpth (ft)         172.69    Hydr. Depth (ft)          118.50     168.12     115.31
  Conv. Total (cfs)       210445500.0    Conv. (cfs)            146371400.0   20106340.0   43967740.0
  Length Wtd. (ft)         1321.00    Wetted Per. (ft)         5248.25     405.59    1688.55
  Min Ch El (ft)            588.00    Shear (lb/sq ft)            0.15       0.21       0.14
  Alpha                       1.02    Stream Power (lb/ft s)      0.16       0.28       0.15
  Frctn Loss (ft)             0.02    Cum Volume (acre-ft)    96407.98   13282.43   60130.47
  C & E Loss (ft)                     Cum SA (acres)            759.66      75.85     495.22


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 12129

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     770     400     740    1200     665    1200     650    1700     630
    2100     630    2400     620    3250     620    4100     615    4200     610
    4400     610    5000     620    5800     620    6400     610    7150     610
    7200     583    7400     583    7500     620    7800     715    8000     740
    8200     745

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    7150     .15    7500     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          7150    7500              738     738     738             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.67    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.65    Reach Len. (ft)           738.00     738.00     738.00
  Crit W.S. (ft)                      Flow Area (sq ft)       889124.80   59653.47   38206.94
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            889124.80   59653.47   38206.94
  Q Total (cfs)           943979.80    Flow (cfs)             855212.30   68366.21   20401.38
  Top Width (ft)           8075.37    Top Width (ft)           7025.37     350.00     700.00
  Vel Total (ft/s)            0.96    Avg. Vel. (ft/s)            0.96       1.15       0.53
  Max Chl Dpth (ft)         177.65    Hydr. Depth (ft)          126.56     170.44      54.58
  Conv. Total (cfs)       244599200.0    Conv. (cfs)            221598200.0   17714700.0   5286300.0
  Length Wtd. (ft)          738.00    Wetted Per. (ft)         7045.52     363.45     731.95
  Min Ch El (ft)            583.00    Shear (lb/sq ft)            0.12       0.15       0.05
  Alpha                       1.03    Stream Power (lb/ft s)      0.11       0.17       0.03
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    73582.42   11358.20   56666.25
  C & E Loss (ft)                     Cum SA (acres)            574.29      64.48     459.59


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11391

INPUT
Description:
Station Elevation Data    num=      20
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     748     400     700     550     700     600     730     800     730
    1100     620    1800     610    2400     610    2600     612    2800     613
    2950     610    4200     610    4650     615    5000     612    5400     610
    6300     610    6400     582    6600     582    6675     610    6850     730

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    6300     .15    6675     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          6300    6675             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.65    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.63    Reach Len. (ft)           24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       833960.90   64537.26   15860.72
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            833960.90   64537.26   15860.72
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  Q Total (cfs)           943960.00    Flow (cfs)              855734.40   78016.41   10209.23
  Top Width (ft)           6850.00    Top Width (ft)           6300.00     375.00     175.00
  Vel Total (ft/s)            1.03    Avg. Vel. (ft/s)            1.03       1.21       0.64
  Max Chl Dpth (ft)         178.63    Hydr. Depth (ft)          132.37     172.10      90.63
  Conv. Total (cfs)       235618100.0    Conv. (cfs)            213596400.0   19473360.0   2548286.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         6343.50     383.90     242.82
  Min Ch El (ft)            582.00    Shear (lb/sq ft)            0.13       0.17       0.07
  Alpha                       1.01    Stream Power (lb/ft s)      0.14       0.20       0.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    58986.03   10306.17   56208.24
  C & E Loss (ft)                     Cum SA (acres)            461.41      58.34     452.18


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11366.1*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  747.82  293.86  712.84  398.03  700.28  547.29  700.12  597.05  729.76
  796.06  729.54 1094.59  620.31 1371.34  616.07 1791.14  610.02 2388.19  609.91
 2448.83   610.5 2587.21  611.88 2786.22  612.87 2935.48   609.9 3036.55   609.9
 3918.12     610 4179.33     610 4627.12  614.95  4975.4  611.98 5373.43     610
 5485.38     610 5681.28   609.9    6269   609.9  6368.5  581.97    6568  581.97
 6644.25   609.9 6659.64  618.15 6664.04  620.58 6679.43  628.84 6705.81  642.81
  6714.6  647.57 6732.19  656.99 6749.78  666.41 6758.57   671.1 6769.57  676.84
 6773.96  679.17 6784.96  685.04 6789.35  687.37 6802.54  694.31 6811.34  698.82
 6817.93  702.31 6820.13   703.6 6822.33  704.74 6837.72  712.89 6855.31  722.91
  6868.5   729.9

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    6269     .15 6644.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          6269 6644.25            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.65    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.63    Reach Len. (ft)           24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       830048.10   64588.60   20369.00
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            830048.10   64588.60   20369.00
  Q Total (cfs)           943959.40    Flow (cfs)              851931.20   78107.53   13920.65
  Top Width (ft)           6868.50    Top Width (ft)           6269.00     375.25     224.25
  Vel Total (ft/s)            1.03    Avg. Vel. (ft/s)            1.03       1.21       0.68
  Max Chl Dpth (ft)         178.66    Hydr. Depth (ft)          132.41     172.12      90.83
  Conv. Total (cfs)       235594700.0    Conv. (cfs)            212626200.0   19494190.0   3474336.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         6312.32     384.05     285.08
  Min Ch El (ft)            581.97    Shear (lb/sq ft)            0.13       0.17       0.07
  Alpha                       1.01    Stream Power (lb/ft s)      0.14       0.20       0.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    58511.58   10269.35   56197.91
  C & E Loss (ft)                     Cum SA (acres)            457.82      58.12     452.06


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11341.3*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  747.64  292.41  713.11  396.06  700.57  544.59  700.24   594.1  729.52
  792.13  729.08 1089.17  620.62 1364.56  616.11 1782.29  610.04 2376.38  609.82
 2436.72   610.4 2574.41  611.76 2772.44  612.74 2920.97   609.8 3021.53   609.8
 3898.75     610 4158.67     610 4604.24   614.9 4950.79  611.96 5346.86     610
 5458.25     610 5653.19   609.8    6238   609.8    6337  581.94    6536  581.94
  6613.5   609.8 6632.27  618.07 6637.63  620.58  6656.4  628.85 6688.58  642.68
  6699.3  647.49 6720.75  656.92 6742.21  666.34 6752.93  671.03 6766.34  676.62
  6771.7  678.92 6785.11  684.79 6790.47  687.09 6806.56  693.91 6817.28  698.22
 6825.33  701.68 6828.01  703.08 6830.69  704.19 6849.46  712.26 6870.91  722.88
    6887   729.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    6238     .15  6613.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          6238  6613.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.65    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.63    Reach Len. (ft)           24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       826134.00   64640.00   24896.85
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            826134.00   64640.00   24896.85
  Q Total (cfs)           943958.70    Flow (cfs)              848101.40   78196.23   17661.13
  Top Width (ft)           6887.00    Top Width (ft)           6238.00     375.50     273.50
  Vel Total (ft/s)            1.03    Avg. Vel. (ft/s)            1.03       1.21       0.71
  Max Chl Dpth (ft)         178.69    Hydr. Depth (ft)          132.44     172.14      91.03
  Conv. Total (cfs)       235577800.0    Conv. (cfs)            211655300.0   19514940.0   4407578.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         6281.14     384.20     329.55
  Min Ch El (ft)            581.94    Shear (lb/sq ft)            0.13       0.17       0.08
  Alpha                       1.01    Stream Power (lb/ft s)      0.14       0.20       0.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    58039.36   10232.51   56185.01
  C & E Loss (ft)                     Cum SA (acres)            454.26      57.91     451.92


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11316.4*

INPUT
Description:
Station Elevation Data    num=      46
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0  747.46  290.95  713.39   394.1  700.85  541.88  700.35  591.14  729.29
   788.19  728.62 1083.76  620.92 1357.78  616.15 1773.43  610.07 2364.57  609.73
  2424.61  610.29 2561.62  611.64 2758.67  612.61 2906.45   609.7 3006.52   609.7
  3879.38     610    4138     610 4581.36  614.85 4926.19  611.94 5320.29     610
  5431.12     610 5625.09   609.7    6207   609.7  6305.5  581.91    6504  581.91
  6582.75   609.7  6604.9  617.99 6611.23  620.57 6633.38  628.86 6671.35  642.55
     6684  647.42 6709.32  656.85 6734.63  666.28 6747.29  670.96 6763.11   676.4
  6769.44  678.68 6785.26  684.54 6791.59  686.82 6810.57  693.51 6823.23  697.63
  6832.72  701.05 6835.89  702.55 6839.05  703.64  6861.2  711.62 6886.51  722.85
   6905.5   729.7

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .15    6207     .15 6582.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          6207 6582.75             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.65    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.63    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       822216.00   64691.50   29444.18
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            822216.00   64691.50   29444.18
  Q Total (cfs)           943958.00    Flow (cfs)             844255.80   78284.09   21418.11
  Top Width (ft)           6905.50    Top Width (ft)           6207.00     375.75     322.75
  Vel Total (ft/s)            1.03    Avg. Vel. (ft/s)            1.03       1.21       0.73
  Max Chl Dpth (ft)         178.72    Hydr. Depth (ft)          132.47     172.17      91.23
  Conv. Total (cfs)       235562900.0    Conv. (cfs)          210682400.0   19535650.0   5344848.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         6249.97     384.35     375.36
  Min Ch El (ft)            581.91    Shear (lb/sq ft)            0.13       0.17       0.08
  Alpha                       1.01    Stream Power (lb/ft s)      0.14       0.20       0.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    57569.38   10195.63   56169.52
  C & E Loss (ft)                     Cum SA (acres)            450.71      57.69     451.75


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11291.6*

INPUT
Description:
Station Elevation Data    num=      46
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0  747.28   289.5  713.66  392.13  701.14  539.17  700.47  588.19  729.05
   784.25  728.16 1078.35  621.23    1351  616.19 1764.57  610.09 2352.76  609.65
   2412.5  610.18 2548.83  611.52 2744.89  612.48 2891.94   609.6  2991.5   609.6
     3860     610 4117.33     610 4558.48   614.8 4901.59  611.92 5293.71     610
     5404     610    5597   609.6    6176   609.6    6274  581.88    6472  581.88
     6552   609.6 6577.53  617.91 6584.82  620.56 6610.35  628.87 6654.12  642.42
  6668.71  647.34 6697.88  656.78 6727.06  666.21 6741.65  670.89 6759.88  676.18
  6767.18  678.44 6785.41  684.28 6792.71  686.54 6814.59  693.12 6829.18  697.04
  6840.12  700.42 6843.76  702.03 6847.41  703.08 6872.94  710.99 6902.12  722.82
     6924   729.6

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .15    6176     .15    6552     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          6176    6552             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.65    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.63    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       818295.70   64743.04   34011.43
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            818295.70   64743.04   34011.43
  Q Total (cfs)           943957.40    Flow (cfs)             840396.60   78370.69   25190.07
  Top Width (ft)           6924.00    Top Width (ft)           6176.00     376.00     372.00
  Vel Total (ft/s)            1.03    Avg. Vel. (ft/s)            1.03       1.21       0.74
  Max Chl Dpth (ft)         178.75    Hydr. Depth (ft)          132.50     172.19      91.43
  Conv. Total (cfs)       235551000.0    Conv. (cfs)          209708900.0   19556280.0   6285822.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         6218.79     384.51     422.06
  Min Ch El (ft)            581.88    Shear (lb/sq ft)            0.13       0.17       0.08
  Alpha                       1.01    Stream Power (lb/ft s)      0.14       0.20       0.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    57101.63   10158.73   56151.42
  C & E Loss (ft)                     Cum SA (acres)            447.18      57.48     451.55


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11266.8*

INPUT
Description:
Station Elevation Data    num=      46
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0   747.1  288.05  713.93  390.16  701.42  536.47  700.59  585.24  728.81
   780.32   727.7 1072.94  621.54 1344.22  616.23 1755.71  610.11 2340.95  609.56
  2400.39  610.08 2536.03   611.4 2731.11  612.35 2877.42   609.5 2976.48   609.5
  3840.62     610 4096.67     610  4535.6  614.75 4876.98   611.9 5267.14     610
  5376.88     610 5568.91   609.5    6145   609.5  6242.5  581.85    6440  581.85
  6521.25   609.5 6550.16  617.82 6558.42  620.56 6587.33  628.88 6636.89  642.29
  6653.41  647.26 6686.45  656.71 6719.49  666.15    6736  670.82 6756.65  675.96
  6764.91  678.19 6785.56  684.03 6793.82  686.26  6818.6  692.72 6835.12  696.44
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 6847.51  699.79 6851.64  701.51 6855.77  702.53 6884.68  710.35 6917.72  722.79
  6942.5   729.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    6145     .15 6521.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          6145 6521.25            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.65    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.63    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       814376.70   64794.65   38598.42
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            814376.70   64794.65   38598.42
  Q Total (cfs)           943956.70    Flow (cfs)             836523.40   78455.62   28977.69
  Top Width (ft)           6942.50    Top Width (ft)           6145.00     376.25     421.25
  Vel Total (ft/s)            1.03    Avg. Vel. (ft/s)            1.03       1.21       0.75
  Max Chl Dpth (ft)         178.78    Hydr. Depth (ft)          132.53     172.21      91.63
  Conv. Total (cfs)       235543500.0    Conv. (cfs)           208735900.0   19576860.0   7230740.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         6187.62     384.67     469.36
  Min Ch El (ft)            581.85    Shear (lb/sq ft)            0.13       0.17       0.08
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.20       0.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    56636.11   10121.79   56130.72
  C & E Loss (ft)                     Cum SA (acres)            443.67      57.27     451.33


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11241.9*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  746.92  286.59  714.21  388.19   701.7  533.76  700.71  582.29  728.57
  776.38  727.24 1067.52  621.85 1337.44  616.27 1746.86  610.13 2329.14  609.47
 2388.28  609.97 2523.24  611.28 2717.33  612.22  2862.9   609.4 2961.47   609.4
 3821.25     610    4076     610 4512.71   614.7 4852.38  611.88 5240.57     610
 5349.75     610 5540.81   609.4    6114   609.4    6211  581.82    6408  581.82
  6490.5   609.4 6522.79  617.74 6532.02  620.55  6564.3  628.89 6619.66  642.16
 6638.11  647.19 6675.01  656.64 6711.91  666.08 6730.36  670.75 6753.43  675.74
 6762.65  677.95 6785.72  683.78 6794.94  685.99 6822.62  692.32 6841.07  695.85
 6854.91  699.16 6859.52  700.99 6864.13  701.98 6896.42  709.72 6933.32  722.76
    6961   729.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    6114     .15  6490.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          6114  6490.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.65    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.63    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       810455.60   64846.31   43204.26
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            810455.60   64846.31   43204.26
  Q Total (cfs)           943956.00    Flow (cfs)             832635.10   78539.27   32781.66
  Top Width (ft)           6961.00    Top Width (ft)           6114.00     376.50     470.50
  Vel Total (ft/s)            1.03    Avg. Vel. (ft/s)            1.03       1.21       0.76
  Max Chl Dpth (ft)         178.81    Hydr. Depth (ft)          132.56     172.23      91.83
  Conv. Total (cfs)       235539100.0    Conv. (cfs)           207761900.0   19597380.0   8179790.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         6156.45     384.83     517.08
  Min Ch El (ft)            581.82    Shear (lb/sq ft)            0.13       0.17       0.08
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.20       0.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    56172.84   10084.83   56107.39
  C & E Loss (ft)                     Cum SA (acres)            440.17      57.05     451.07


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11217.1*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  746.74  285.14  714.48  386.22  701.99  531.06  700.82  579.33  728.34
  772.44  726.78 1062.11  622.16 1330.66   616.3    1738  610.15 2317.33  609.38
 2376.17  609.87 2510.44  611.16 2703.56  612.09 2848.39   609.3 2946.45   609.3
 3801.88     610 4055.33     610 4489.83  614.65 4827.78  611.86    5214     610
 5322.62     610 5512.72   609.3    6083   609.3  6179.5  581.79    6376  581.79
 6459.75   609.3 6495.42  617.66 6505.61  620.55 6541.28  628.91 6602.43  642.04
 6622.81  647.11 6663.57  656.56 6704.34  666.02 6724.72  670.67  6750.2  675.51
 6760.39   677.7 6785.87  683.52 6796.06  685.71 6826.63  691.93 6847.01  695.25
  6862.3  698.54  6867.4  700.47 6872.49  701.42 6908.16  709.08 6948.93  722.74
  6979.5   729.3

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    6083     .15 6459.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          6083 6459.75            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.65    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.63    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       806535.00   64898.07   47829.98
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  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            806535.00   64898.07   47829.98
  Q Total (cfs)           943955.30    Flow (cfs)              828729.70   78621.20   36604.42
  Top Width (ft)           6979.50    Top Width (ft)           6083.00     376.75     519.75
  Vel Total (ft/s)            1.03    Avg. Vel. (ft/s)            1.03       1.21       0.77
  Max Chl Dpth (ft)         178.84    Hydr. Depth (ft)          132.59     172.26      92.02
  Conv. Total (cfs)       235539400.0    Conv. (cfs)            206787900.0   19617870.0   9133677.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         6125.29     385.00     565.12
  Min Ch El (ft)            581.79    Shear (lb/sq ft)            0.13       0.17       0.08
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.20       0.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    55711.79   10047.83   56081.44
  C & E Loss (ft)                     Cum SA (acres)            436.69      56.84     450.79


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11192.2*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  746.56  283.69  714.76  384.25  702.27  528.35  700.94  576.38   728.1
  768.51  726.33  1056.7  622.47 1323.88  616.34 1729.14  610.18 2305.52  609.29
 2364.06  609.76 2497.65  611.04 2689.78  611.96 2833.87   609.2 2931.44   609.2
  3782.5     610 4034.67     610 4466.95   614.6 4803.17  611.84 5187.43     610
  5295.5     610 5484.62   609.2    6052   609.2    6148  581.76    6344  581.76
    6429   609.2 6468.05  617.58 6479.21  620.54 6518.25  628.92  6585.2  641.91
 6607.51  647.04 6652.14  656.49 6696.76  665.95 6719.08   670.6 6746.97  675.29
 6758.13  677.46 6786.02  683.27 6797.18  685.44 6830.65  691.53 6852.96  694.66
  6869.7  697.91 6875.27  699.95 6880.85  700.87  6919.9  708.45 6964.53  722.71
    6998   729.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    6052     .15    6429     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          6052    6429             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.64    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.63    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       802602.10   64949.89   52474.90
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            802602.10   64949.89   52474.90
  Q Total (cfs)           943954.60    Flow (cfs)              824804.40   78703.00   40447.21
  Top Width (ft)           6998.00    Top Width (ft)           6052.00     377.00     569.00
  Vel Total (ft/s)            1.03    Avg. Vel. (ft/s)            1.03       1.21       0.77
  Max Chl Dpth (ft)         178.87    Hydr. Depth (ft)          132.62     172.28      92.22
  Conv. Total (cfs)       235539600.0    Conv. (cfs)            205808700.0   19638310.0   10092560.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         6094.12     385.16     613.38
  Min Ch El (ft)            581.76    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.20       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    55252.99   10010.81   56052.84
  C & E Loss (ft)                     Cum SA (acres)            433.23      56.62     450.48


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11167.4*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  746.38  282.23  715.03  382.29  702.56  525.64  701.06  573.43  727.86
  764.57  725.87 1051.29  622.77 1317.09  616.38 1720.29   610.2 2293.71   609.2
 2351.95  609.65 2484.86  610.92    2676  611.83 2819.36   609.1 2916.42   609.1
 3763.12     610    4014     610 4444.07  614.55 4778.57  611.82 5160.86     610
 5268.38     610 5456.53   609.1    6021   609.1  6116.5  581.73    6312  581.73
 6398.25   609.1 6440.68  617.49  6452.8  620.54 6495.23  628.93 6567.97  641.78
 6592.21  646.96  6640.7  656.42 6689.19  665.89 6713.44  670.53 6743.74  675.07
 6755.87  677.21 6786.17  683.02 6798.29  685.16 6834.66  691.13 6858.91  694.06
 6877.09  697.28 6883.15  699.43 6889.21  700.32 6931.64  707.81 6980.13  722.68
  7016.5   729.1

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    6021     .15 6398.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          6021 6398.25             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.64    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.63    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       798678.60   65001.77   57140.36
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            798678.60   65001.77   57140.36
  Q Total (cfs)           943953.90    Flow (cfs)              820861.60   78781.40   44310.95
  Top Width (ft)           7016.50    Top Width (ft)           6021.00     377.25     618.25
  Vel Total (ft/s)            1.03    Avg. Vel. (ft/s)            1.03       1.21       0.78
  Max Chl Dpth (ft)         178.90    Hydr. Depth (ft)          132.65     172.30      92.42
  Conv. Total (cfs)       235549400.0    Conv. (cfs)            204833600.0   19658700.0   11057130.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         6062.95     385.33     661.84
  Min Ch El (ft)            581.73    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.20       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    54796.43    9973.76   56021.59
  C & E Loss (ft)                     Cum SA (acres)            429.79      56.41     450.14


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11142.6*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev
       0   746.2  280.78  715.31  380.32  702.84  522.94  701.18  570.48  727.62
  760.63  725.41 1045.87  623.08 1310.31  616.42 1711.43  610.22  2281.9  609.11
 2339.84  609.55 2472.06   610.8 2662.22   611.7 2804.84     609 2901.41     609
 3743.75     610 3993.33     610 4421.19   614.5 4753.97   611.8 5134.29     610
 5241.25     610 5428.44     609    5990     609    6085   581.7    6280   581.7
  6367.5     609 6413.31  617.41  6426.4  620.53 6472.21  628.94 6550.74  641.65
 6576.91  646.88 6629.26  656.35 6681.62  665.82 6707.79  670.46 6740.51  674.85
  6753.6  676.97 6786.32  682.76 6799.41  684.88 6838.68  690.74 6864.85  693.47
 6884.49  696.65 6891.03  698.91 6897.57  699.76 6943.38  707.18 6995.74  722.65
    7035     729

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5990     .15  6367.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5990  6367.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.64    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.63    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       794748.40   65053.66   61825.17
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            794748.40   65053.66   61825.17
  Q Total (cfs)           943953.30    Flow (cfs)             816898.60   78858.62   48196.16
  Top Width (ft)           7035.00    Top Width (ft)           5990.00     377.50     667.50
  Vel Total (ft/s)            1.02    Avg. Vel. (ft/s)            1.03       1.21       0.78
  Max Chl Dpth (ft)         178.93    Hydr. Depth (ft)          132.68     172.33      92.62
  Conv. Total (cfs)       235561900.0    Conv. (cfs)           203855600.0   19679030.0   12027270.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         6031.79     385.50     710.43
  Min Ch El (ft)            581.70    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.21       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    54342.10    9936.68   55987.66
  C & E Loss (ft)                     Cum SA (acres)            426.37      56.19     449.78


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11117.7*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev
       0  746.02  279.33  715.58  378.35  703.12  520.23   701.3  567.52  727.39
   756.7  724.95 1040.46  623.39 1303.53  616.46 1702.57  610.24  2270.1  609.02
 2327.73  609.44 2459.27  610.68 2648.44  611.57 2790.33   608.9 2886.39   608.9
 3724.38     610 3972.67     610 4398.31  614.45 4729.37  611.78 5107.71     610
 5214.12     610 5400.34   608.9    5959   608.9  6053.5  581.67    6248  581.67
 6336.75   608.9 6385.94  617.33 6399.99  620.52 6449.18  628.95  6533.5  641.52
 6561.61  646.81 6617.83  656.28 6674.04  665.76 6702.15  670.39 6737.29  674.63
 6751.34  676.73 6786.48  682.51 6800.53  684.61 6842.69  690.34  6870.8  692.88
 6891.88  696.02 6898.91  698.38 6905.93  699.21 6955.12  706.54 7011.34  722.62
  7053.5   728.9

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5959     .15 6336.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5959 6336.75            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.64    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.63    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       790817.40   65105.68   66528.76
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            790817.40   65105.68   66528.76
  Q Total (cfs)           943952.50    Flow (cfs)             812916.30   78934.13   52102.14
  Top Width (ft)           7053.50    Top Width (ft)           5959.00     377.75     716.75
  Vel Total (ft/s)            1.02    Avg. Vel. (ft/s)            1.03       1.21       0.78
  Max Chl Dpth (ft)         178.96    Hydr. Depth (ft)          132.71     172.35      92.82
  Conv. Total (cfs)       235579300.0    Conv. (cfs)           202877000.0   19699350.0   13002970.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         6000.63     385.68     759.13
  Min Ch El (ft)            581.67    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.21       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    53890.02    9899.57   55951.07
  C & E Loss (ft)                     Cum SA (acres)            422.96      55.98     449.38


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11092.9*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev    Sta    Elev
       0  745.84  277.88  715.85  376.38  703.41  517.52  701.41  564.57  727.15
  752.76  724.49 1035.05   623.7 1296.75   616.5 1693.71  610.26 2258.29  608.94
 2315.62  609.34 2446.48  610.56 2634.67  611.44 2775.81   608.8 2871.38   608.8
    3705     610    3952     610 4375.43   614.4 4704.76  611.76 5081.14     610
    5187     610 5372.25   608.8    5928   608.8    6022  581.64    6216  581.64
    6306   608.8 6358.57  617.25 6373.59  620.52 6426.16  628.96 6516.27  641.39
 6546.31  646.73 6606.39  656.21 6666.47  665.69 6696.51  670.32 6734.06  674.41
```

```
 6749.08  676.48 6786.63  682.26 6801.65  684.33 6846.71  689.94 6876.75  692.28
 6899.27  695.39 6906.78  697.86 6914.29  698.66 6966.86  705.91 7026.94  722.59
    7072   728.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5928     .15    6306     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5928    6306            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.64    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.63    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       786882.30   65157.77   71252.88
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            786882.30   65157.77   71252.88
  Q Total (cfs)           943951.80    Flow (cfs)             808912.40   79007.98   56031.50
  Top Width (ft)           7072.00    Top Width (ft)           5928.00     378.00     766.00
  Vel Total (ft/s)            1.02    Avg. Vel. (ft/s)            1.03       1.21       0.79
  Max Chl Dpth (ft)         178.99    Hydr. Depth (ft)          132.74     172.38      93.02
  Conv. Total (cfs)       235601400.0    Conv. (cfs)          201896800.0   19719640.0   13984930.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5969.48     385.85     807.93
  Min Ch El (ft)            581.64    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.21       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    53440.18    9862.42   55911.78
  C & E Loss (ft)                     Cum SA (acres)            419.57      55.76     448.96


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11068.0*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  745.66  276.42  716.13  374.41  703.69  514.82  701.53  561.62  726.91
  748.83  724.03 1029.63  624.01 1289.97  616.54 1684.86  610.29 2246.48  608.85
 2303.52  609.23 2433.68  610.44 2620.89  611.31 2761.29   608.7 2856.36   608.7
 3685.62     610 3931.33     610 4352.55  614.35 4680.16  611.74 5054.57     610
 5159.88     610 5344.16   608.7    5897   608.7  5990.5  581.61    6184  581.61
 6275.25   608.7  6331.2  617.16 6347.18  620.51 6403.13  628.98 6499.04  641.26
 6531.01  646.65 6594.96  656.14  6658.9  665.63 6690.87  670.24 6730.83  674.19
 6746.82  676.24 6786.78  682.01 6802.76  684.05 6850.72  689.54 6882.69  691.69
 6906.67  694.76 6914.66  697.34 6922.65  698.11  6978.6  705.27 7042.54  722.56
  7090.5   728.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5897     .15 6275.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5897 6275.25            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.64    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.62    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       782943.00   65209.92   75996.31
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            782943.00   65209.92   75996.31
  Q Total (cfs)           943951.10    Flow (cfs)             804887.80   79080.27   59983.08
  Top Width (ft)           7090.50    Top Width (ft)           5897.00     378.25     815.25
  Vel Total (ft/s)            1.02    Avg. Vel. (ft/s)            1.03       1.21       0.79
  Max Chl Dpth (ft)         179.01    Hydr. Depth (ft)          132.77     172.40      93.22
  Conv. Total (cfs)       235627600.0    Conv. (cfs)          200914800.0   19739890.0   14972880.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5938.32     386.03     856.80
  Min Ch El (ft)            581.61    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.21       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    52992.59    9825.25   55869.80
  C & E Loss (ft)                     Cum SA (acres)            416.20      55.54     448.51


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11043.2*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  745.48  274.97  716.4  372.44  703.98  512.11  701.65  558.67  726.67
  744.89  723.57 1024.22  624.32 1283.19  616.58    1676  610.31 2234.67  608.76
 2291.41  609.12 2420.89  610.32 2607.11  611.18 2746.78   608.6 2841.34   608.6
 3666.25     610 3910.67     610 4329.67   614.3 4655.56  611.72    5028     610
 5132.75     610 5316.06   608.6    5866   608.6    5959  581.58    6152  581.58
  6244.5   608.6 6303.83  617.08 6320.78  620.51 6380.11  628.99 6481.81  641.13
 6515.72  646.58 6583.52  656.07 6651.32  665.56 6685.23  670.17  6727.6  673.97
 6744.55  675.99 6786.93  681.75 6803.88  683.78 6854.74  689.15 6888.64  691.09
 6914.06  694.13 6922.54  696.82 6931.01  697.55 6990.34  704.64 7058.15  722.53
    7109   728.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5866     .15  6244.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5866  6244.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.64    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.62    Reach Len. (ft)            24.84      24.84      24.84
```

```
  Crit W.S. (ft)                      Flow Area (sq ft)       779006.40   65262.08   80758.95
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            779006.40   65262.08   80758.95
  Q Total (cfs)           943950.40    Flow (cfs)              800844.30   79149.91   63956.14
  Top Width (ft)           7109.00    Top Width (ft)           5866.00     378.50     864.50
  Vel Total (ft/s)            1.02    Avg. Vel. (ft/s)            1.03       1.21       0.79
  Max Chl Dpth (ft)         179.04    Hydr. Depth (ft)          132.80     172.42      93.42
  Conv. Total (cfs)       235660900.0    Conv. (cfs)            199933900.0   19760080.0   15966900.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5907.16     386.21     905.74
  Min Ch El (ft)            581.58    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.21       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    52547.24    9788.05   55825.10
  C & E Loss (ft)                     Cum SA (acres)            412.84      55.33     448.03


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11018.4*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   745.3  273.52  716.68  370.48  704.26   509.4  701.77  555.71  726.44
  740.95  723.11 1018.81  624.62 1276.41  616.62 1667.14  610.33 2222.86  608.67
  2279.3  609.02  2408.1   610.2 2593.33  611.05 2732.26   608.5 2826.33   608.5
 3646.88     610    3890     610 4306.79  614.25 4630.95   611.7 5001.43     610
 5105.62     610 5287.97   608.5    5835   608.5  5927.5  581.55    6120  581.55
 6213.75   608.5 6276.46     617 6294.38   620.5 6357.08     629 6464.58     641
 6500.42   646.5 6572.08     656 6643.75   665.5 6679.58   670.1 6724.38  673.75
 6742.29  675.75 6787.08   681.5    6805   683.5 6858.75  688.75 6894.58   690.5
 6921.46   693.5 6930.42   696.3 6939.38     697 7002.08     704 7073.75   722.5
  7127.5   728.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5835     .15 6213.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5835 6213.75             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.64    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.62    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       775068.10   65314.36   85541.68
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            775068.10   65314.36   85541.68
  Q Total (cfs)           943949.60    Flow (cfs)              796779.60   79217.70   67952.33
  Top Width (ft)           7127.50    Top Width (ft)           5835.00     378.75     913.75
  Vel Total (ft/s)            1.02    Avg. Vel. (ft/s)            1.03       1.21       0.79
  Max Chl Dpth (ft)         179.07    Hydr. Depth (ft)          132.83     172.45      93.62
  Conv. Total (cfs)       235699700.0    Conv. (cfs)            198952000.0   19780280.0   16967370.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5876.01     386.39     954.73
  Min Ch El (ft)            581.55    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.21       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    52104.13    9750.82   55777.68
  C & E Loss (ft)                     Cum SA (acres)            409.51      55.11     447.52


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10993.5*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  745.12  272.06  716.95  368.51  704.54   506.7  701.88  552.76   726.2
  737.02  722.65  1013.4  624.93 1269.62  616.66 1658.29  610.35 2211.05  608.58
 2267.19  608.91  2395.3  610.08 2579.56  610.92 2717.75   608.4 2811.31   608.4
  3627.5     610 3869.33     610  4283.9   614.2 4606.35  611.68 4974.86     610
  5078.5     610 5259.88   608.4    5804   608.4    5896  581.52    6088  581.52
    6183   608.4 6249.09  616.92 6267.97  620.49 6334.06  629.01 6447.35  640.87
 6485.12  646.42 6560.65  655.93 6636.18  665.44 6673.94  670.03 6721.15  673.53
 6740.03  675.51 6787.24  681.25 6806.12  683.22 6862.76  688.35 6900.53  689.91
 6928.85  692.87 6938.29  695.78 6947.74  696.45 7013.82  703.36 7089.35  722.47
    7146   728.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5804     .15    6183     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5804    6183             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.64    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.62    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       771130.50   65366.72   90344.16
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            771130.50   65366.72   90344.16
  Q Total (cfs)           943948.90    Flow (cfs)              792695.00   79283.11   71970.79
  Top Width (ft)           7146.00    Top Width (ft)           5804.00     379.00     963.00
  Vel Total (ft/s)            1.02    Avg. Vel. (ft/s)            1.03       1.21       0.80
  Max Chl Dpth (ft)         179.10    Hydr. Depth (ft)          132.86     172.47      93.82
  Conv. Total (cfs)       235745200.0    Conv. (cfs)            197970500.0   19800450.0   17974250.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5844.87     386.58    1003.76
  Min Ch El (ft)            581.52    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.21       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    51663.27    9713.56   55727.54
  C & E Loss (ft)                     Cum SA (acres)            406.19      54.90     446.99


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10968.7*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  744.94  270.61  717.23  366.54  704.83  503.99     702  549.81  725.96
  733.08  722.19 1007.98  625.24 1262.84   616.7 1649.43  610.38 2199.24  608.49
 2255.08  608.81 2382.51  609.96 2565.78  610.79 2703.23   608.3  2796.3   608.3
 3608.12     610 3848.67     610 4261.02  614.15 4581.75  611.66 4948.29     610
 5051.38     610 5231.78   608.3    5773   608.3  5864.5  581.49    6056  581.49
 6152.25   608.3 6221.72  616.84 6241.57  620.49 6311.03  629.02 6430.12  640.74
 6469.82  646.35 6549.21  655.86  6628.6  665.37  6668.3  669.96 6717.92  673.31
 6737.77  675.26 6787.39  680.99 6807.24  682.95 6866.78  687.96 6906.48  689.31
 6936.25  692.24 6946.17  695.26  6956.1  695.89 7025.56  702.73 7104.96  722.44
  7164.5   728.3

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5773     .15 6152.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5773 6152.25            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.64    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.62    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       767181.90   65419.14   95165.53
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            767181.90   65419.14   95165.53
  Q Total (cfs)           943948.20    Flow (cfs)              788588.40   79347.88   76011.94
  Top Width (ft)           7164.50    Top Width (ft)           5773.00     379.25    1012.25
  Vel Total (ft/s)            1.02    Avg. Vel. (ft/s)            1.03       1.21       0.80
  Max Chl Dpth (ft)         179.13    Hydr. Depth (ft)          132.89     172.50      94.01
  Conv. Total (cfs)       235792300.0    Conv. (cfs)            196984400.0   19820600.0   18987310.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5813.72     386.76    1052.83
  Min Ch El (ft)            581.49    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.21       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    51224.66    9676.27   55674.64
  C & E Loss (ft)                     Cum SA (acres)            402.89      54.68     446.42


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10943.8*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  744.76  269.16  717.5  364.57  705.11  501.29  702.12  546.86  725.72
  729.14  721.73 1002.57  625.55 1256.06  616.74 1640.57   610.4 2187.43   608.4
 2242.97   608.7 2369.71  609.84    2552  610.66 2688.71   608.2 2781.28   608.2
 3588.75     610    3828     610 4238.14   614.1 4557.14  611.64 4921.71     610
 5024.25     610 5203.69   608.2    5742   608.2    5833  581.46    6024  581.46
  6121.5   608.2 6194.35  616.75 6215.16  620.48 6288.01  629.04 6412.89  640.61
 6454.52  646.27 6537.77  655.79 6621.03  665.31 6662.66  669.88 6714.69  673.09
  6735.5  675.02 6787.54  680.74 6808.35  682.67 6870.79  687.56 6912.42  688.72
 6943.64  691.61 6954.05  694.74 6964.46  695.34  7037.3  702.09 7120.56  722.41
    7183   728.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5742     .15  6121.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5742  6121.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.64    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.62    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       763239.60   65471.62   100006.90
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            763239.60   65471.62   100006.90
  Q Total (cfs)           943947.40    Flow (cfs)              784463.10   79409.39   80074.88
  Top Width (ft)           7183.00    Top Width (ft)           5742.00     379.50    1061.50
  Vel Total (ft/s)            1.02    Avg. Vel. (ft/s)            1.03       1.21       0.80
  Max Chl Dpth (ft)         179.16    Hydr. Depth (ft)          132.92     172.52      94.21
  Conv. Total (cfs)       235848600.0    Conv. (cfs)            196000900.0   19840720.0   20006990.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5782.57     386.95    1101.94
  Min Ch El (ft)            581.46    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.21       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    50788.30    9638.95   55618.99
  C & E Loss (ft)                     Cum SA (acres)            399.61      54.46     445.83


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10919.0*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  744.58   267.7  717.78   362.6   705.4  498.58  702.24   543.9  725.48
  725.21  721.27  997.16  625.86 1249.28  616.78 1631.71  610.42 2175.62  608.31
 2230.86  608.59 2356.92  609.72 2538.22  610.53  2674.2   608.1 2766.27   608.1
 3569.38     610 3807.33     610 4215.26  614.05 4532.54  611.62 4895.14     610
 4997.12     610 5175.59   608.1    5711   608.1  5801.5  581.43    5992  581.43
 6090.75   608.1 6166.98  616.67 6188.76  620.48 6264.99  629.05 6395.66  640.48
```

```
 6439.22  646.19 6526.34  655.72 6613.46  665.24 6657.01  669.81 6711.46  672.87
 6733.24  674.77 6787.69  680.49 6809.47  682.39 6874.81  687.16 6918.37  688.12
 6951.04  690.98 6961.93  694.22 6972.82  694.79 7049.04  701.46 7136.16  722.38
  7201.5   728.1

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5711     .15 6090.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5711 6090.75            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.64    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.62    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       759291.30   65524.13   104868.20
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            759291.30   65524.13   104868.20
  Q Total (cfs)           943946.70    Flow (cfs)             780316.30   79469.41   84160.98
  Top Width (ft)           7201.50    Top Width (ft)           5711.00     379.75    1110.75
  Vel Total (ft/s)            1.02    Avg. Vel. (ft/s)            1.03       1.21       0.80
  Max Chl Dpth (ft)         179.19    Hydr. Depth (ft)          132.95     172.55      94.41
  Conv. Total (cfs)       235908900.0    Conv. (cfs)            195014800.0   19860810.0   21033310.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5751.43     387.14    1151.08
  Min Ch El (ft)            581.43    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.21       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    50354.20    9601.60   55560.58
  C & E Loss (ft)                     Cum SA (acres)            396.34      54.25     445.21


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10894.2*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   744.4  266.25  718.05  360.63  705.68  495.87  702.35  540.95  725.25
  721.27  720.81  991.75  626.16  1242.5  616.82 1622.86  610.44 2163.81  608.23
 2218.75  608.49 2344.13   609.6 2524.44   610.4 2659.68     608 2751.25     608
    3550     610 3786.67     610 4192.38     614 4507.94   611.6 4868.57     610
    4970     610  5147.5     608    5680     608    5770   581.4    5960   581.4
    6060     608 6139.61  616.59 6162.35  620.47 6241.96  629.06 6378.43  640.35
 6423.92  646.12  6514.9  655.65 6605.88  665.18 6651.37  669.74 6708.24  672.65
 6730.98  674.53 6787.84  680.24 6810.59  682.12 6878.82  686.76 6924.31  687.53
 6958.43  690.35  6969.8  693.69 6981.18  694.24 7060.78  700.82 7151.76  722.35
    7220     728

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5680     .15    6060     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5680    6060            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.64    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.62    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       755343.80   65576.75   109747.80
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            755343.80   65576.75   109747.80
  Q Total (cfs)           943946.00    Flow (cfs)             776151.40   79527.33   88267.31
  Top Width (ft)           7220.00    Top Width (ft)           5680.00     380.00    1160.00
  Vel Total (ft/s)            1.01    Avg. Vel. (ft/s)            1.03       1.21       0.80
  Max Chl Dpth (ft)         179.22    Hydr. Depth (ft)          132.98     172.57      94.61
  Conv. Total (cfs)       235975400.0    Conv. (cfs)            194028700.0   19880900.0   22065790.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5720.30     387.33    1200.24
  Min Ch El (ft)            581.40    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.21       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    49922.34    9564.22   55499.39
  C & E Loss (ft)                     Cum SA (acres)            393.09      54.03     444.56


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10869.3*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  744.22   264.8  718.32  358.67  705.96  493.17  702.47     538  725.01
  717.33  720.35  986.33  626.47 1235.72  616.86    1614  610.46    2152  608.14
 2206.64  608.38 2331.33  609.48 2510.67  610.27 2645.17   607.9 2736.23   607.9
 3530.62     610    3766     610  4169.5  613.95 4483.33  611.58    4842     610
 4942.88     610 5119.41   607.9    5649   607.9  5738.5  581.37    5928  581.37
 6029.25   607.9 6112.24  616.51 6135.95  620.46 6218.94  629.07  6361.2  640.22
 6408.62  646.04 6503.47  655.58 6598.31  665.11 6645.73  669.67 6705.01  672.43
 6728.72  674.29    6788  679.98 6811.71  681.84 6882.84  686.37 6930.26  686.94
 6965.83  689.72 6977.68  693.17 6989.54  693.68 7072.52  700.19 7167.37  722.32
  7238.5   727.9

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5649     .15 6029.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5649 6029.25            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.64    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
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  W.S. Elev (ft)            760.62    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       751396.20   65629.45   114648.70
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            751396.20   65629.45   114648.70
  Q Total (cfs)           943945.30    Flow (cfs)              771965.50   79582.70   92397.09
  Top Width (ft)           7238.50    Top Width (ft)           5649.00     380.25    1209.25
  Vel Total (ft/s)            1.01    Avg. Vel. (ft/s)            1.03       1.21       0.81
  Max Chl Dpth (ft)         179.25    Hydr. Depth (ft)          133.01     172.60      94.81
  Conv. Total (cfs)       236049200.0    Conv. (cfs)            193042800.0   19900970.0   23105430.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5689.16     387.52    1249.42
  Min Ch El (ft)            581.37    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.21       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    49492.73    9526.81   55435.41
  C & E Loss (ft)                     Cum SA (acres)            389.86      53.81     443.89


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10844.5*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  744.04  263.34   718.6   356.7  706.25  490.46  702.59  535.05  724.77
   713.4   719.9  980.92  626.78 1228.94   616.9 1605.14  610.49 2140.19  608.05
 2194.53  608.28 2318.54  609.36 2496.89  610.14 2630.65   607.8 2721.22   607.8
 3511.25     610 3745.33     610 4146.62   613.9 4458.73  611.56 4815.43     610
 4915.75     610 5091.31   607.8    5618   607.8    5707  581.34    5896  581.34
  5998.5   607.8 6084.87  616.42 6109.54  620.46 6195.91  629.08 6343.97  640.09
 6393.32  645.96 6492.03  655.51 6590.74  665.05 6640.09   669.6 6701.78  672.21
 6726.46  674.04 6788.15  679.73 6812.82  681.56 6886.85  685.97 6936.21  686.34
 6973.22  689.09 6985.56  692.65  6997.9  693.13 7084.26  699.55 7182.97  722.29
    7257   727.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5618     .15  5998.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5618  5998.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.64    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.62    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       747434.40   65682.14   119569.20
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            747434.40   65682.14   119569.20
  Q Total (cfs)           943944.50    Flow (cfs)              767756.20   79637.68   96550.59
  Top Width (ft)           7257.00    Top Width (ft)           5618.00     380.50    1258.50
  Vel Total (ft/s)            1.01    Avg. Vel. (ft/s)            1.03       1.21       0.81
  Max Chl Dpth (ft)         179.28    Hydr. Depth (ft)          133.04     172.62      95.01
  Conv. Total (cfs)       236123400.0    Conv. (cfs)            192050700.0   19921000.0   24151690.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5658.02     387.71    1298.62
  Min Ch El (ft)            581.34    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.20       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    49065.38    9489.37   55368.63
  C & E Loss (ft)                     Cum SA (acres)            386.65      53.60     443.19


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10819.6*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  743.86  261.89  718.87  354.73  706.53  487.75  702.71   532.1  724.53
  709.46  719.44  975.51  627.09 1222.16  616.94 1596.29  610.51 2128.38  607.96
 2182.42  608.17 2305.75  609.24 2483.11  610.01 2616.14   607.7  2706.2   607.7
 3491.88     610 3724.67     610 4123.74  613.85 4434.13  611.54 4788.86     610
 4888.62     610 5063.22   607.7    5587   607.7  5675.5  581.31    5864  581.31
 5967.75   607.7  6057.5  616.34 6083.14  620.45 6172.89  629.09 6326.74  639.96
 6378.02  645.89 6480.59  655.44 6583.16  664.98 6634.45  669.53 6698.55  671.99
 6724.19   673.8  6788.3  679.48 6813.94  681.29 6890.87  685.57 6942.15  685.75
 6980.62  688.46 6993.44  692.13 7006.26  692.58    7096  698.92 7198.57  722.26
  7275.5   727.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5587     .15 5967.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5587 5967.75            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.62    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       743482.90   65734.98   124507.30
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            743482.90   65734.98   124507.30
  Q Total (cfs)           943943.80    Flow (cfs)              763533.30   79689.22   100721.30
  Top Width (ft)           7275.50    Top Width (ft)           5587.00     380.75    1307.75
  Vel Total (ft/s)            1.01    Avg. Vel. (ft/s)            1.03       1.21       0.81
  Max Chl Dpth (ft)         179.31    Hydr. Depth (ft)          133.07     172.65      95.21
  Conv. Total (cfs)       236208100.0    Conv. (cfs)            191063000.0   19941060.0   25204030.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5626.89     387.90    1347.84
  Min Ch El (ft)            581.31    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.20       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    48640.28    9451.90   55299.03
  C & E Loss (ft)                     Cum SA (acres)            383.46      53.38     442.45


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10794.8*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  743.68  260.44  719.15  352.76  706.82  485.05  702.83  529.14   724.3
  705.52  718.98   970.1   627.4 1215.38  616.98 1587.43  610.53 2116.57  607.87
 2170.31  608.06 2292.95  609.12 2469.33  609.88 2601.62   607.6 2691.19   607.6
  3472.5     610    3704     610 4100.86   613.8 4409.52  611.52 4762.29     610
  4861.5     610 5035.12   607.6    5556   607.6    5644  581.28    5832  581.28
    5937   607.6 6030.13  616.26 6056.74  620.45 6149.86  629.11 6309.51  639.84
 6362.73  645.81 6469.16  655.36 6575.59  664.92  6628.8  669.45 6695.32  671.76
 6721.93  673.55 6788.45  679.22 6815.06  681.01 6894.88  685.18  6948.1  685.15
 6988.01  687.84 7001.31  691.61 7014.62  692.02 7107.75  698.28 7214.18  722.24
    7294   727.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5556     .15    5937     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5556    5937             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.62    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       739525.10   65787.86   129466.20
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            739525.10   65787.86   129466.20
  Q Total (cfs)           943943.00    Flow (cfs)             759288.60   79739.20   104915.20
  Top Width (ft)           7294.00    Top Width (ft)          5556.00     381.00    1357.00
  Vel Total (ft/s)            1.01    Avg. Vel. (ft/s)           1.03       1.21       0.81
  Max Chl Dpth (ft)         179.34    Hydr. Depth (ft)         133.10     172.67      95.41
  Conv. Total (cfs)       236297000.0    Conv. (cfs)          190072500.0   19961090.0   26263390.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)        5595.76     388.10    1397.08
  Min Ch El (ft)            581.28    Shear (lb/sq ft)           0.13       0.17       0.09
  Alpha                       1.02    Stream Power (lb/ft s)     0.14       0.20       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    48217.44    9414.40   55226.62
  C & E Loss (ft)                     Cum SA (acres)            380.28      53.16     441.69


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10770.*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   743.5  258.98  719.42  350.79   707.1  482.34  702.94  526.19  724.06
  701.59  718.52  964.68  627.71 1208.59  617.02 1578.57  610.55 2104.76  607.78
  2158.2  607.96 2280.16     609 2455.56  609.75  2587.1   607.5 2676.17   607.5
 3453.12     610 3683.33     610 4077.98  613.75 4384.92   611.5 4735.71     610
 4834.38     610 5007.03   607.5    5525   607.5  5612.5  581.25    5800  581.25
 5906.25   607.5 6002.76  616.18 6030.33  620.44 6126.84  629.12 6292.28  639.71
 6347.43  645.74 6457.72  655.29 6568.01  664.85 6623.16  669.38  6692.1  671.54
 6719.67  673.31  6788.6  678.97 6816.18  680.74  6898.9  684.78 6954.04  684.56
  6995.4  687.21 7009.19  691.09 7022.98  691.47 7119.49  697.65 7229.78  722.21
  7312.5   727.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5525     .15 5906.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5525 5906.25             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.62    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       735568.90   65840.77   134443.10
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            735568.90   65840.77   134443.10
  Q Total (cfs)           943942.30    Flow (cfs)             755027.80   79786.70   109127.80
  Top Width (ft)           7312.50    Top Width (ft)          5525.00     381.25    1406.25
  Vel Total (ft/s)            1.01    Avg. Vel. (ft/s)           1.03       1.21       0.81
  Max Chl Dpth (ft)         179.37    Hydr. Depth (ft)         133.13     172.70      95.60
  Conv. Total (cfs)       236392700.0    Conv. (cfs)          189082600.0   19981090.0   27329020.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)        5564.64     388.30    1446.33
  Min Ch El (ft)            581.25    Shear (lb/sq ft)           0.13       0.17       0.09
  Alpha                       1.03    Stream Power (lb/ft s)     0.14       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    47796.85    9376.87   55151.37
  C & E Loss (ft)                     Cum SA (acres)            377.12      52.95     440.91


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10745.1*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  743.32  257.53   719.7  348.83  707.38  479.63  703.06  523.24  723.82
  697.65  718.06  959.27  628.01 1201.81  617.06 1569.71  610.57 2092.95  607.69
 2146.09  607.85 2267.36  608.88 2441.78  609.62 2572.59   607.4 2661.16   607.4
 3433.75     610 3662.67     610  4055.1   613.7 4360.32  611.48 4709.14     610
 4807.25     610 4978.94   607.4    5494   607.4    5581  581.22    5768  581.22
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```
  5875.5   607.4 5975.39  616.09 6003.93  620.44 6103.81  629.13 6275.05  639.58
 6332.13  645.66 6446.28  655.22 6560.44  664.79 6617.52  669.31 6688.87  671.32
 6717.41  673.06 6788.75  678.72 6817.29  680.46 6902.91  684.38 6959.99  683.96
  7002.8  686.58 7017.07  690.57 7031.34  690.92 7131.23  697.01 7245.38  722.18
    7331   727.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5494     .15  5875.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5494  5875.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.62    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       731612.10   65893.80   139442.30
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            731612.10   65893.80   139442.30
  Q Total (cfs)           943941.40    Flow (cfs)             750745.70   79831.73   113363.90
  Top Width (ft)           7331.00    Top Width (ft)           5494.00     381.50    1455.50
  Vel Total (ft/s)            1.01    Avg. Vel. (ft/s)            1.03       1.21       0.81
  Max Chl Dpth (ft)         179.40    Hydr. Depth (ft)          133.17     172.72      95.80
  Conv. Total (cfs)       236495800.0    Conv. (cfs)            188092400.0   20001110.0   28402300.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5533.51     388.50    1495.59
  Min Ch El (ft)            581.22    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    47378.52    9339.31   55073.28
  C & E Loss (ft)                     Cum SA (acres)            373.98      52.73     440.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10720.3*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  743.14  256.08  719.97  346.86  707.67  476.93  703.18  520.29  723.58
  693.71   717.6  953.86  628.32 1195.03   617.1 1560.86   610.6 2081.14   607.6
 2133.98  607.74 2254.57  608.76    2428  609.49 2558.07   607.3 2646.14   607.3
 3414.38     610    3642     610 4032.21  613.65 4335.71  611.46 4682.57     610
 4780.12     610 4950.84   607.3    5463   607.3  5549.5  581.19    5736  581.19
 5844.75   607.3 5948.02  616.01 5977.52  620.43 6080.79  629.14 6257.82  639.45
 6316.83  645.58 6434.85  655.15 6552.87  664.72 6611.88  669.24 6685.64   671.1
 6715.14  672.82 6788.91  678.46 6818.41  680.18 6906.93  683.99 6965.94  683.37
 7010.19  685.95 7024.95  690.05  7039.7  690.36 7142.97  696.38 7260.99  722.15
  7349.5   727.3

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5463     .15 5844.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5463 5844.75            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.62    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       727647.40   65946.90   144460.80
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            727647.40   65946.90   144460.80
  Q Total (cfs)           943940.70    Flow (cfs)             746443.60   79875.59   117621.50
  Top Width (ft)           7349.50    Top Width (ft)           5463.00     381.75    1504.75
  Vel Total (ft/s)            1.01    Avg. Vel. (ft/s)            1.03       1.21       0.81
  Max Chl Dpth (ft)         179.43    Hydr. Depth (ft)          133.20     172.75      96.00
  Conv. Total (cfs)       236602300.0    Conv. (cfs)            187098900.0   20021120.0   29482270.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5502.39     388.70    1544.86
  Min Ch El (ft)            581.19    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    46962.45    9301.72   54992.33
  C & E Loss (ft)                     Cum SA (acres)            370.85      52.51     439.25


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10695.4*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  742.96  254.62  720.24  344.89  707.95  474.22   703.3  517.33  723.35
  689.78  717.14  948.44  628.63 1188.25  617.14    1552  610.62 2069.33  607.52
 2121.88  607.64 2241.78  608.64 2414.22  609.36 2543.56   607.2 2631.12   607.2
    3395     610 3621.33     610 4009.33   613.6 4311.11  611.44    4656     610
    4753     610 4922.75   607.2    5432   607.2    5518  581.16    5704  581.16
    5814   607.2 5920.65  615.93 5951.12  620.42 6057.76  629.15 6240.59  639.32
 6301.53  645.51 6423.41  655.08 6545.29  664.66 6606.24  669.17 6682.41  670.88
 6712.88  672.58 6789.06  678.21 6819.53  679.91 6910.94  683.59 6971.88  682.78
 7017.59  685.32 7032.82  689.52 7048.06  689.81 7154.71  695.74 7276.59  722.12
    7368   727.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5432     .15    5814     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5432    5814            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.63    Element                   Left OB    Channel   Right OB
```

```
  Vel Head (ft)              0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           760.62    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                     Flow Area (sq ft)       723681.20   66000.05   149496.90
  E.G. Slope (ft/ft)     0.000016    Area (sq ft)            723681.20   66000.05   149496.90
  Q Total (cfs)          943939.90    Flow (cfs)             742125.40   79917.58   121897.00
  Top Width (ft)          7368.00    Top Width (ft)           5432.00     382.00    1554.00
  Vel Total (ft/s)           1.01    Avg. Vel. (ft/s)            1.03       1.21       0.82
  Max Chl Dpth (ft)        179.46    Hydr. Depth (ft)          133.23     172.78      96.20
  Conv. Total (cfs)      236714000.0    Conv. (cfs)          186104500.0   20041120.0   30568390.0
  Length Wtd. (ft)          24.84    Wetted Per. (ft)         5471.28     388.90    1594.14
  Min Ch El (ft)           581.16    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                      1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    46548.64    9264.10   54908.52
  C & E Loss (ft)                    Cum SA (acres)            367.75      52.29     438.37


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10670.6*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  742.78  253.17  720.52  342.92  708.24  471.52  703.41  514.38  723.11
  685.84  716.68  943.03  628.94 1181.47  617.18 1543.14  610.64 2057.52  607.43
 2109.77  607.53 2228.98  608.52 2400.44  609.23 2529.04   607.1 2616.11   607.1
 3375.62     610 3600.67     610 3986.45  613.55 4286.51  611.42 4629.43     610
 4725.88     610 4894.66   607.1    5401   607.1  5486.5  581.13    5672  581.13
 5783.25   607.1 5893.28  615.85 5924.71  620.42 6034.74  629.16 6223.36  639.19
 6286.23  645.43 6411.98  655.01 6537.72  664.59 6600.59   669.1 6679.18  670.66
 6710.62  672.33 6789.21  677.96 6820.65  679.63 6914.96  683.19 6977.83  682.18
 7024.98  684.69  7040.7     689 7056.42  689.26 7166.45  695.11 7292.19  722.09
  7386.5   727.1

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5401     .15 5783.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5401 5783.25            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)           760.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           760.61    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                     Flow Area (sq ft)       719715.40   66053.23   154554.10
  E.G. Slope (ft/ft)     0.000016    Area (sq ft)            719715.40   66053.23   154554.10
  Q Total (cfs)          943939.20    Flow (cfs)             737788.60   79956.89   126193.70
  Top Width (ft)          7386.50    Top Width (ft)           5401.00     382.25    1603.25
  Vel Total (ft/s)           1.00    Avg. Vel. (ft/s)            1.03       1.21       0.82
  Max Chl Dpth (ft)        179.48    Hydr. Depth (ft)          133.26     172.80      96.40
  Conv. Total (cfs)      236833300.0    Conv. (cfs)          185110300.0   20061090.0   31661850.0
  Length Wtd. (ft)          24.84    Wetted Per. (ft)         5440.16     389.10    1643.44
  Min Ch El (ft)           581.13    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                      1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    46137.10    9226.45   54821.83
  C & E Loss (ft)                    Cum SA (acres)            364.66      52.07     437.47


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10645.8*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   742.6  251.72  720.79  340.95  708.52  468.81  703.53  511.43  722.87
   681.9  716.22  937.62  629.25 1174.69  617.22 1534.29  610.66 2045.71  607.34
 2097.66  607.43 2216.19   608.4 2386.67   609.1 2514.52     607 2601.09     607
 3356.25     610    3580     610 3963.57   613.5  4261.9   611.4 4602.86     610
 4698.75     610 4866.56     607    5370     607    5455   581.1    5640  581.1
  5752.5     607 5865.91  615.76 5898.31  620.41 6011.72  629.18 6206.13  639.06
 6270.93  645.35 6400.54  654.94 6530.15  664.53 6594.95  669.02 6675.96  670.44
 6708.36  672.09 6789.36  677.71 6821.76  679.35 6918.97  682.79 6983.77  681.59
 7032.38  684.06 7048.58  688.48 7064.78  688.71 7178.19  694.47 7307.79  722.06
    7405     727

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5370     .15  5752.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5370  5752.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)           760.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           760.61    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                     Flow Area (sq ft)       715749.30   66106.52   159630.80
  E.G. Slope (ft/ft)     0.000016    Area (sq ft)            715749.30   66106.52   159630.80
  Q Total (cfs)          943938.40    Flow (cfs)             733434.90   79993.96   130509.50
  Top Width (ft)          7405.00    Top Width (ft)           5370.00     382.50    1652.50
  Vel Total (ft/s)           1.00    Avg. Vel. (ft/s)            1.02       1.21       0.82
  Max Chl Dpth (ft)        179.51    Hydr. Depth (ft)          133.29     172.83      96.60
  Conv. Total (cfs)      236959200.0    Conv. (cfs)          184116000.0   20081080.0   32762130.0
  Length Wtd. (ft)          24.84    Wetted Per. (ft)         5409.05     389.30    1692.74
  Min Ch El (ft)           581.10    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                      1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    45727.81    9188.77   54732.25
  C & E Loss (ft)                    Cum SA (acres)            361.59      51.86     436.55
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10620.9*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  742.42  250.27  721.07  338.98   708.8   466.1  703.65  508.48  722.63
  677.97  715.76  932.21  629.55 1167.91  617.26 1525.43  610.68  2033.9  607.25
 2085.55  607.32  2203.4  608.28 2372.89  608.97 2500.01   606.9 2586.08   606.9
 3336.87     610 3559.33     610 3940.69  613.45  4237.3  611.38 4576.29     610
 4671.62     610 4838.47   606.9    5339   606.9  5423.5  581.07    5608  581.07
 5721.75   606.9 5838.54  615.68  5871.9  620.41 5988.69  629.19  6188.9  638.93
 6255.63  645.28  6389.1  654.87 6522.57  664.46 6589.31  668.95 6672.73  670.22
  6706.1  671.84 6789.51  677.45 6822.88  679.08 6922.99   682.4 6989.72  680.99
 7039.77  683.43 7056.46  687.96 7073.14  688.15 7189.93  693.84  7323.4  722.03
  7423.5   726.9

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5339     .15 5721.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5339 5721.75             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.61    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       711783.10   66159.91   164726.30
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            711783.10   66159.91   164726.30
  Q Total (cfs)           943937.60    Flow (cfs)             729065.40   80028.89   134843.30
  Top Width (ft)           7423.50    Top Width (ft)           5339.00     382.75    1701.75
  Vel Total (ft/s)            1.00    Avg. Vel. (ft/s)            1.02       1.21       0.82
  Max Chl Dpth (ft)         179.54    Hydr. Depth (ft)          133.32     172.85      96.80
  Conv. Total (cfs)       237091600.0    Conv. (cfs)            183121500.0   20101090.0   33868990.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5377.94     389.51    1742.05
  Min Ch El (ft)            581.07    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    45320.79    9151.05   54639.77
  C & E Loss (ft)                     Cum SA (acres)            358.53      51.64     435.59


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10596.1*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  742.24  248.81  721.34  337.02  709.09   463.4  703.77  505.52  722.39
  674.03   715.3  926.79  629.86 1161.12   617.3 1516.57  610.71  2022.1  607.16
 2073.44  607.21  2190.6  608.16 2359.11  608.84 2485.49   606.8 2571.06   606.8
  3317.5     610 3538.67     610 3917.81  613.4  4212.7  611.36 4549.71     610
  4644.5     610 4810.37   606.8    5308   606.8    5392  581.04    5576  581.04
    5691   606.8 5811.17   615.6  5845.5   620.4 5965.67   629.2 6171.67   638.8
 6240.33   645.2 6377.67   654.8    6515   664.4 6583.67  668.88  6669.5     670
 6703.83   671.6 6789.67   677.2    6824   678.8    6927     682 6995.67   680.4
 7047.17   682.8 7064.33  687.44  7081.5   687.6 7201.67   693.2    7339     722
    7442   726.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5308     .15    5691     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5308    5691             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.61    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       707807.80   66213.22   169841.90
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            707807.80   66213.22   169841.90
  Q Total (cfs)           943936.80    Flow (cfs)             724675.80   80062.41   139198.60
  Top Width (ft)           7442.00    Top Width (ft)           5308.00     383.00    1751.00
  Vel Total (ft/s)            1.00    Avg. Vel. (ft/s)            1.02       1.21       0.82
  Max Chl Dpth (ft)         179.57    Hydr. Depth (ft)          133.35     172.88      97.00
  Conv. Total (cfs)       237227100.0    Conv. (cfs)            182123100.0   20121020.0   34982930.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5346.83     389.71    1791.36
  Min Ch El (ft)            581.04    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    44916.03    9113.31   54544.37
  C & E Loss (ft)                     Cum SA (acres)            355.50      51.42     434.60


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10571.2*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  742.06  247.36  721.62  335.05  709.37  460.69  703.89  502.57  722.16
   670.1  714.84  921.38  630.17 1154.34  617.34 1507.71  610.73 2010.29  607.07
 2061.33  607.11 2177.81  608.04 2345.33  608.71 2470.98   606.7 2556.05   606.7
 3298.12     610    3518     610 3894.93  613.35  4188.1  611.34 4523.14     610
```

```
 4617.37     610 4782.28   606.7    5277   606.7  5360.5  581.01    5544  581.01
 5660.25   606.7  5783.8  615.52  5819.1  620.39 5942.64  629.21 6154.44  638.67
 6225.03  645.12 6366.23  654.73 6507.43  664.34 6578.02  668.81 6666.27  669.78
 6701.57  671.36 6789.82  676.95 6825.12  678.52 6931.01   681.6 7001.61  679.81
 7054.56  682.17 7072.21  686.92 7089.86  687.05 7213.41  692.56  7354.6  721.97
  7460.5   726.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5277     .15 5660.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5277 5660.25            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.61    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       703833.10   66266.72   174977.50
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            703833.10   66266.72   174977.50
  Q Total (cfs)           943936.00    Flow (cfs)             720269.60   80093.72   143572.60
  Top Width (ft)           7460.50    Top Width (ft)           5277.00     383.25    1800.25
  Vel Total (ft/s)            1.00    Avg. Vel. (ft/s)            1.02       1.21       0.82
  Max Chl Dpth (ft)         179.60    Hydr. Depth (ft)          133.38     172.91      97.20
  Conv. Total (cfs)       237369800.0    Conv. (cfs)            181124800.0   20141010.0   36103930.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5315.73     389.92    1840.69
  Min Ch El (ft)            581.01    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    44513.54    9075.54   54446.05
  C & E Loss (ft)                     Cum SA (acres)            352.48      51.20     433.59


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10546.4*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.88  245.91  721.89  333.08  709.66  457.98     704  499.62  721.92
  666.16  714.38  915.97  630.48 1147.56  617.38 1498.86  610.75 1998.48  606.98
 2049.22     607 2165.02  607.92 2331.56  608.58 2456.46   606.6 2541.03   606.6
 3278.75     610 3497.33     610 3872.05   613.3 4163.49  611.32 4496.57     610
 4590.25     610 4754.19   606.6    5246   606.6    5329  580.98    5512  580.98
  5629.5   606.6 5756.43  615.44 5792.69  620.39 5919.62  629.22 6137.21  638.54
 6209.73  645.05 6354.79  654.66 6499.85  664.27 6572.38  668.74 6663.04  669.56
 6699.31  671.11 6789.97  676.69 6826.24  678.25 6935.03  681.21 7007.56  679.21
 7061.96  681.54 7080.09   686.4 7098.22  686.49 7225.15  691.93 7370.21  721.94
    7479   726.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5246     .15  5629.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5246  5629.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.61    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       699859.20   66320.22   180131.30
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            699859.20   66320.22   180131.30
  Q Total (cfs)           943935.10    Flow (cfs)             715849.80   80122.58   147962.80
  Top Width (ft)           7479.00    Top Width (ft)           5246.00     383.50    1849.50
  Vel Total (ft/s)            1.00    Avg. Vel. (ft/s)            1.02       1.21       0.82
  Max Chl Dpth (ft)         179.63    Hydr. Depth (ft)          133.41     172.93      97.39
  Conv. Total (cfs)       237519200.0    Conv. (cfs)            180126800.0   20160970.0   37231360.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5284.63     390.12    1890.02
  Min Ch El (ft)            580.98    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    44113.31    9037.73   54344.80
  C & E Loss (ft)                     Cum SA (acres)            349.48      50.98     432.55


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10521.6*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   741.7  244.45  722.17  331.11  709.94  455.28  704.12  496.67  721.68
  662.22  713.92  910.56  630.79 1140.78  617.42    1490  610.77 1986.67  606.89
 2037.11   606.9 2152.22   607.8 2317.78  608.45 2441.94   606.5 2526.02   606.5
 3259.37     610 3476.67     610 3849.17  613.25 4138.89   611.3    4470     610
 4563.12     610 4726.09   606.5    5215   606.5  5297.5  580.95    5480  580.95
 5598.75   606.5 5729.06  615.35 5766.29  620.38 5896.59  629.24 6119.98  638.41
 6194.44  644.97 6343.36  654.59 6492.28  664.21 6566.74  668.66 6659.82  669.34
 6697.05  670.87 6790.12  676.44 6827.35  677.97 6939.04  680.81  7013.5  678.62
 7069.35  680.91 7087.97  685.88 7106.58  685.94 7236.89  691.29 7385.81  721.91
  7497.5   726.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5215     .15 5598.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5215 5598.75            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
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  E.G. Elev (ft)            760.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.61    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       695883.80   66373.95   185306.70
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            695883.80   66373.95   185306.70
  Q Total (cfs)           943934.30    Flow (cfs)             711411.60   80149.36   152373.30
  Top Width (ft)           7497.50    Top Width (ft)           5215.00     383.75    1898.75
  Vel Total (ft/s)            1.00    Avg. Vel. (ft/s)            1.02       1.21       0.82
  Max Chl Dpth (ft)         179.66    Hydr. Depth (ft)          133.44     172.96      97.59
  Conv. Total (cfs)       237675600.0    Conv. (cfs)            179128100.0   20181010.0   38366460.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5253.54     390.33    1939.35
  Min Ch El (ft)            580.95    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    43715.35    8999.90   54240.61
  C & E Loss (ft)                     Cum SA (acres)            346.50      50.76     431.48


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10496.7*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.52     243  722.44  329.14  710.22  452.57  704.24  493.71  721.44
  658.29  713.46  905.14   631.1    1134  617.46 1481.14  610.79 1974.86  606.81
    2025  606.79 2139.43  607.68    2304  608.32 2427.43   606.4    2511   606.4
    3240     610    3456     610 3826.29   613.2 4114.29  611.28 4443.43     610
    4536     610    4698   606.4    5184   606.4    5266  580.92    5448  580.92
    5568   606.4 5701.69  615.27 5739.88  620.38 5873.57  629.25 6102.74  638.28
 6179.14  644.89 6331.92  654.52 6484.71  664.14  6561.1  668.59 6656.59  669.12
 6694.78  670.62 6790.27  676.19 6828.47  677.69 6943.06  680.41 7019.45  678.02
 7076.75  680.28 7095.84  685.36 7114.94  685.39 7248.63  690.66 7401.41  721.88
    7516   726.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5184     .15    5568     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5184    5568            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.61    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       691904.30   66427.64   190501.10
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            691904.30   66427.64   190501.10
  Q Total (cfs)           943933.50    Flow (cfs)             706957.70   80174.23   156801.60
  Top Width (ft)           7516.00    Top Width (ft)           5184.00     384.00    1948.00
  Vel Total (ft/s)            0.99    Avg. Vel. (ft/s)            1.02       1.21       0.82
  Max Chl Dpth (ft)         179.69    Hydr. Depth (ft)          133.47     172.99      97.79
  Conv. Total (cfs)       237837000.0    Conv. (cfs)            178127700.0   20201000.0   39508310.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5222.44     390.54    1988.69
  Min Ch El (ft)            580.92    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    43319.66    8962.03   54133.46
  C & E Loss (ft)                     Cum SA (acres)            343.53      50.55     430.39


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10471.9*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.34  241.55  722.71  327.17  710.51  449.87  704.36  490.76  721.21
  654.35  713.01  899.73   631.4 1127.22   617.5 1472.29  610.82 1963.05  606.72
 2012.89  606.68 2126.63  607.56 2290.22  608.19 2412.91   606.3 2495.98   606.3
 3220.62     610 3435.33     610  3803.4  613.15 4089.68  611.26 4416.86     610
 4508.87     610 4669.91   606.3    5153   606.3  5234.5  580.89    5416  580.89
 5537.25   606.3 5674.32  615.19 5713.48  620.37 5850.54  629.26 6085.51  638.15
 6163.84  644.82 6320.49  654.45 6477.13  664.08 6555.46  668.52 6653.36   668.9
 6692.52  670.38 6790.43  675.94 6829.59  677.42 6947.07  680.01  7025.4  677.43
 7084.14  679.65 7103.72  684.83  7123.3  684.84 7260.37  690.02 7417.02  721.85
  7534.5   726.3

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5153     .15 5537.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5153 5537.25            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.63    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.61    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       687919.30   66481.34   195713.30
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            687919.30   66481.34   195713.30
  Q Total (cfs)           943932.70    Flow (cfs)             702488.20   80197.72   161246.70
  Top Width (ft)           7534.50    Top Width (ft)           5153.00     384.25    1997.25
  Vel Total (ft/s)            0.99    Avg. Vel. (ft/s)            1.02       1.21       0.82
  Max Chl Dpth (ft)         179.72    Hydr. Depth (ft)          133.50     173.02      97.99
  Conv. Total (cfs)       238002100.0    Conv. (cfs)            177124600.0   20220960.0   40656570.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5191.36     390.75    2038.03
  Min Ch El (ft)            580.89    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    42926.24    8924.14   54023.34
  C & E Loss (ft)                     Cum SA (acres)            340.58      50.33     429.26
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10447.0*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.16  240.09  722.99  325.21  710.79  447.16  704.47  487.81  720.97
  650.41  712.55  894.32  631.71 1120.44  617.54 1463.43  610.84 1951.24  606.63
 2000.78  606.58 2113.84  607.44 2276.44  608.06  2398.4   606.2 2480.97   606.2
 3201.25     610 3414.67     610 3780.52   613.1 4065.08  611.24 4390.29     610
 4481.75     610 4641.81   606.2    5122   606.2    5203  580.86    5384  580.86
  5506.5   606.2 5646.95  615.11 5687.07  620.36 5827.52  629.27 6068.28  638.02
 6148.54  644.74 6309.05  654.38 6469.56  664.01 6549.81  668.45 6650.13  668.68
 6690.26  670.14 6790.58  675.68 6830.71  677.14 6951.09  679.62 7031.34  676.84
 7091.53  679.02  7111.6  684.31 7131.66  684.28 7272.11  689.39 7432.62  721.82
    7553   726.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5122     .15  5506.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5122  5506.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.61    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       683937.40   66535.17   200947.00
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            683937.40   66535.17   200947.00
  Q Total (cfs)           943931.80    Flow (cfs)             698003.80   80218.24   165709.70
  Top Width (ft)           7553.00    Top Width (ft)           5122.00     384.50    2046.50
  Vel Total (ft/s)            0.99    Avg. Vel. (ft/s)            1.02       1.21       0.82
  Max Chl Dpth (ft)         179.75    Hydr. Depth (ft)          133.53     173.04      98.19
  Conv. Total (cfs)       238176300.0    Conv. (cfs)           176122900.0   20240960.0   41812480.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5160.28     390.96    2087.38
  Min Ch El (ft)            580.86    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    42535.09    8886.21   53910.24
  C & E Loss (ft)                     Cum SA (acres)            337.65      50.11     428.11


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10422.2*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.98  238.64  723.26  323.24  711.08  444.45  704.59  484.86  720.73
  646.48  712.09   888.9  632.02 1113.66  617.58 1454.57  610.86 1939.43  606.54
 1988.67  606.47 2101.05  607.32 2262.67  607.93 2383.88   606.1 2465.95   606.1
 3181.87     610    3394     610 3757.64  613.05 4040.48  611.22 4363.71     610
 4454.62     610 4613.72   606.1    5091   606.1  5171.5  580.83    5352  580.83
 5475.75   606.1 5619.58  615.02 5660.67  620.36 5804.49  629.28 6051.05  637.89
 6133.24  644.66 6297.61  654.31 6461.99  663.95 6544.17  668.38  6646.9  668.46
    6688  669.89 6790.73  675.43 6831.82  676.86  6955.1  679.22 7037.29  676.24
 7098.93  678.39 7119.48  683.79 7140.02  683.73 7283.85  688.75 7448.22  721.79
  7571.5   726.1

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5091     .15 5475.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5091 5475.75            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.61    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       679954.40   66589.09   206201.80
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            679954.40   66589.09   206201.80
  Q Total (cfs)           943930.90    Flow (cfs)             693503.70   80236.43   170190.70
  Top Width (ft)           7571.50    Top Width (ft)           5091.00     384.75    2095.75
  Vel Total (ft/s)            0.99    Avg. Vel. (ft/s)            1.02       1.20       0.83
  Max Chl Dpth (ft)         179.78    Hydr. Depth (ft)          133.56     173.07      98.39
  Conv. Total (cfs)       238357500.0    Conv. (cfs)           175120700.0   20260970.0   42975860.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5129.19     391.18    2136.73
  Min Ch El (ft)            580.83    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    42146.21    8848.26   53794.16
  C & E Loss (ft)                     Cum SA (acres)            334.74      49.89     426.93


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10397.4*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   740.8  237.19  723.54  321.27  711.36  441.75  704.71   481.9  720.49
  642.54  711.63  883.49  632.33 1106.87  617.62 1445.71  610.88 1927.62  606.45
 1976.56  606.37 2088.25   607.2 2248.89   607.8 2369.36     606 2450.94     606
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  3162.5     610 3373.33     610 3734.76     613 4015.87   611.2 4337.14     610
  4427.5     610 4585.62     606    5060     606    5140   580.8    5320   580.8
    5445     606 5592.21  614.94 5634.26  620.35 5781.47  629.29 6033.82  637.76
 6117.94  644.59 6286.18  654.24 6454.41  663.88 6538.53  668.31 6643.68  668.24
 6685.74  669.65 6790.88  675.18 6832.94  676.59 6959.12  678.82 7043.24  675.65
 7106.32  677.76 7127.35  683.27 7148.38  683.18 7295.59  688.12 7463.82  721.76
    7590     726

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5060     .15    5445     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5060    5445            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.61    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       675967.30   66643.00   211471.90
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            675967.30   66643.00   211471.90
  Q Total (cfs)           943930.10    Flow (cfs)             688992.40   80253.23   174684.40
  Top Width (ft)           7590.00    Top Width (ft)          5060.00     385.00    2145.00
  Vel Total (ft/s)            0.99    Avg. Vel. (ft/s)           1.02       1.20       0.83
  Max Chl Dpth (ft)         179.81    Hydr. Depth (ft)         133.59     173.10      98.59
  Conv. Total (cfs)       238542400.0    Conv. (cfs)           174116600.0   20280950.0   44144840.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5098.12     391.39    2186.09
  Min Ch El (ft)            580.80    Shear (lb/sq ft)           0.13       0.17       0.09
  Alpha                       1.03    Stream Power (lb/ft s)     0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    41759.61    8810.27   53675.07
  C & E Loss (ft)                     Cum SA (acres)            331.85      49.67     425.72


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10372.5*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.62  235.73  723.81   319.3  711.64  439.04  704.83  478.95  720.26
   638.6  711.17  878.08  632.64 1100.09  617.66 1436.86  610.91 1915.81  606.36
 1964.45  606.26 2075.46  607.08 2235.11  607.67 2354.85   605.9 2435.92   605.9
 3143.12     610 3352.67     610 3711.88  612.95 3991.27  611.18 4310.57     610
 4400.37     610 4557.53   605.9    5029   605.9  5108.5  580.77    5288  580.77
 5414.25   605.9 5564.84  614.86 5607.86  620.35 5758.45  629.31 6016.59  637.64
 6102.64  644.51 6274.74  654.16 6446.84  663.82 6532.89  668.23 6640.45  668.01
 6683.47   669.4 6791.03  674.92 6834.06  676.31 6963.13  678.43 7049.18  675.05
 7113.72  677.14 7135.23  682.75 7156.74  682.62 7307.33  687.48 7479.43  721.74
  7608.5   725.9

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5029     .15 5414.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5029 5414.25            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.61    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       671976.20   66697.02   216763.30
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            671976.20   66697.02   216763.30
  Q Total (cfs)           943929.30    Flow (cfs)             684464.30   80268.13   179197.00
  Top Width (ft)           7608.50    Top Width (ft)          5029.00     385.25    2194.25
  Vel Total (ft/s)            0.99    Avg. Vel. (ft/s)           1.02       1.20       0.83
  Max Chl Dpth (ft)         179.84    Hydr. Depth (ft)         133.62     173.13      98.79
  Conv. Total (cfs)       238733200.0    Conv. (cfs)           173110800.0   20300950.0   45321470.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5067.04     391.60    2235.45
  Min Ch El (ft)            580.77    Shear (lb/sq ft)           0.13       0.17       0.09
  Alpha                       1.03    Stream Power (lb/ft s)     0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    41375.27    8772.25   53552.96
  C & E Loss (ft)                     Cum SA (acres)            328.97      49.45     424.48


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10347.7*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.44  234.28  724.09  317.33  711.93  436.33  704.95     476  720.02
  634.67  710.71  872.67  632.95 1093.31   617.7    1428  610.93    1904  606.27
 1952.34  606.15 2062.67  606.96 2221.33  607.54 2340.33   605.8 2420.91   605.8
 3123.75     610    3332     610    3689   612.9 3966.67  611.16    4284     610
 4373.25     610 4529.44   605.8    4998   605.8    5077  580.74    5256  580.74
  5383.5   605.8 5537.47  614.78 5581.46  620.34 5735.42  629.32 5999.36  637.51
 6087.34  644.44  6263.3  654.09 6439.26  663.75 6527.25  668.16 6637.22  667.79
 6681.21  669.16 6791.19  674.67 6835.18  676.04 6967.15  678.03 7055.13  674.46
 7121.11  676.51 7143.11  682.23  7165.1  682.07 7319.07  686.85 7495.03  721.71
    7627   725.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4998     .15  5383.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4998  5383.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
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  E.G. Elev (ft)            760.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.61    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       667985.40   66751.14   222072.80
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            667985.40   66751.14   222072.80
  Q Total (cfs)           943928.40    Flow (cfs)             679924.60   80280.87   183723.00
  Top Width (ft)           7627.00    Top Width (ft)           4998.00     385.50    2243.50
  Vel Total (ft/s)            0.99    Avg. Vel. (ft/s)            1.02       1.20       0.83
  Max Chl Dpth (ft)         179.87    Hydr. Depth (ft)          133.65     173.15      98.98
  Conv. Total (cfs)       238930600.0    Conv. (cfs)            172105000.0   20320990.0   46504630.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5035.97     391.82    2284.81
  Min Ch El (ft)            580.74    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    40993.22    8734.20   53427.84
  C & E Loss (ft)                     Cum SA (acres)            326.11      49.23     423.22


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10322.8*

INPUT
Description:
Station Elevation Data    num=      46
     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev
       0  740.26  232.83  724.36  315.37  712.21  433.63  705.06  473.05  719.78
  630.73  710.25  867.25  633.25 1086.53  617.74 1419.14  610.95 1892.19  606.18
 1940.23  606.05 2049.87  606.84 2207.56  607.41 2325.82   605.7 2405.89   605.7
 3104.37     610 3311.33     610 3666.12  612.85 3942.06  611.14 4257.43     610
 4346.12     610 4501.34   605.7    4967   605.7  5045.5  580.71    5224  580.71
 5352.75   605.7  5510.1  614.69 5555.05  620.34  5712.4  629.33 5982.13  637.38
 6072.04  644.36 6251.87  654.02 6431.69  663.69  6521.6  668.09 6633.99  667.57
 6678.95  668.91 6791.34  674.42 6836.29  675.76 6971.16  677.63 7061.07  673.86
 7128.51  675.88 7150.99  681.71 7173.46  681.52 7330.81  686.21 7510.63  721.68
  7645.5   725.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4967     .15 5352.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4967 5352.75             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.61    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       663998.30   66805.29   227406.00
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            663998.30   66805.29   227406.00
  Q Total (cfs)           943927.60    Flow (cfs)             675370.00   80290.25   188267.30
  Top Width (ft)           7645.50    Top Width (ft)           4967.00     385.75    2292.75
  Vel Total (ft/s)            0.99    Avg. Vel. (ft/s)            1.02       1.20       0.83
  Max Chl Dpth (ft)         179.90    Hydr. Depth (ft)          133.68     173.18      99.18
  Conv. Total (cfs)       239137800.0    Conv. (cfs)            171100500.0   20341010.0   47696290.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5004.91     392.03    2334.18
  Min Ch El (ft)            580.71    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    40613.44    8696.12   53299.69
  C & E Loss (ft)                     Cum SA (acres)            323.27      49.01     421.92


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10298.0*

INPUT
Description:
Station Elevation Data    num=      46
     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev
       0  740.08  231.37  724.64   313.4   712.5  430.92  705.18   470.1  719.54
  626.79  709.79  861.84  633.56 1079.75  617.78 1410.29  610.97 1880.38   606.1
 1928.12  605.94 2037.08  606.72 2193.78  607.28  2311.3   605.6 2390.87   605.6
    3085     610 3290.67     610 3643.24   612.8 3917.46  611.12 4230.86     610
    4319     610 4473.25   605.6    4936   605.6    5014  580.68    5192  580.68
    5322   605.6 5482.73  614.61 5528.65  620.33 5689.37  629.34  5964.9  637.25
 6056.74  644.28 6240.43  653.95 6424.12  663.62 6515.96  668.02 6630.76  667.35
 6676.69  668.67 6791.49  674.16 6837.41  675.48 6975.18  677.24 7067.02  673.27
  7135.9  675.25 7158.86  681.19 7181.82  680.96 7342.55  685.58 7526.24  721.65
    7664   725.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4936     .15    5322     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4936    5322             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.61    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       660000.80   66859.48   232757.30
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            660000.80   66859.48   232757.30
  Q Total (cfs)           943926.70    Flow (cfs)             670799.90   80298.82   192828.00
  Top Width (ft)           7664.00    Top Width (ft)           4936.00     386.00    2342.00
  Vel Total (ft/s)            0.98    Avg. Vel. (ft/s)            1.02       1.20       0.83
  Max Chl Dpth (ft)         179.93    Hydr. Depth (ft)          133.71     173.21      99.38
  Conv. Total (cfs)       239347300.0    Conv. (cfs)            170091800.0   20361020.0   48894550.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4973.84     392.25    2383.55
  Min Ch El (ft)            580.68    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    40235.93    8658.01   53168.48
  C & E Loss (ft)                     Cum SA (acres)            320.45      48.79     420.60
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10273.2*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   739.9  229.92  724.91  311.43  712.78  428.21   705.3  467.14  719.31
  622.86  709.33  856.43  633.87 1072.97  617.81 1401.43  610.99 1868.57  606.01
 1916.02  605.84 2024.29   606.6    2180  607.15 2296.79   605.5 2375.86   605.5
 3065.62     610    3270     610 3620.36  612.75 3892.86   611.1 4204.29     610
 4291.87     610 4445.16   605.5    4905   605.5  4982.5  580.65    5160  580.65
 5291.25   605.5 5455.35  614.53 5502.24  620.32 5666.35  629.35 5947.67  637.12
 6041.45  644.21    6229  653.88 6416.54  663.56 6510.32  667.95 6627.54  667.13
 6674.42  668.43 6791.64  673.91 6838.53  675.21 6979.19  676.84 7072.97  672.68
  7143.3  674.62 7166.74  680.66 7190.18  680.41 7354.29  684.94 7541.84  721.62
  7682.5   725.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4905     .15 5291.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4905 5291.25            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.60    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       656007.70   66913.77   238126.00
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            656007.70   66913.77   238126.00
  Q Total (cfs)           943925.80    Flow (cfs)             666221.90   80304.76   197399.20
  Top Width (ft)           7682.50    Top Width (ft)           4905.00     386.25    2391.25
  Vel Total (ft/s)            0.98    Avg. Vel. (ft/s)            1.02       1.20       0.83
  Max Chl Dpth (ft)         179.95    Hydr. Depth (ft)          133.74     173.24      99.58
  Conv. Total (cfs)       239564900.0    Conv. (cfs)           169084700.0   20381050.0   50099180.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4942.79     392.47    2432.92
  Min Ch El (ft)            580.65    Shear (lb/sq ft)            0.13       0.17       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    39860.71    8619.87   53034.22
  C & E Loss (ft)                     Cum SA (acres)            317.64      48.57     419.25


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10248.3*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.72  228.47  725.18  309.46  713.06  425.51  705.42  464.19  719.07
  618.92  708.87  851.02  634.18 1066.19  617.85 1392.57  611.02 1856.76  605.92
 1903.91  605.73 2011.49  606.48 2166.22  607.02 2282.27   605.4 2360.84   605.4
 3046.25     610 3249.33     610 3597.48   612.7 3868.25  611.08 4177.71     610
 4264.75     610 4417.06   605.4    4874   605.4    4951  580.62    5128  580.62
  5260.5   605.4 5427.98  614.45 5475.84  620.32 5643.32  629.36 5930.44  636.99
 6026.15  644.13 6217.56  653.81 6408.97  663.49 6504.68  667.88 6624.31  666.91
 6672.16  668.18 6791.79  673.66 6839.65  674.93 6983.21  676.44 7078.91  672.08
 7150.69  673.99 7174.62  680.14 7198.54  679.86 7366.03  684.31 7557.44  721.59
    7701   725.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4874     .15  5260.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4874  5260.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.60    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       652008.80   66968.18   243516.90
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            652008.80   66968.18   243516.90
  Q Total (cfs)           943924.90    Flow (cfs)             661627.00   80308.98   201988.90
  Top Width (ft)           7701.00    Top Width (ft)           4874.00     386.50    2440.50
  Vel Total (ft/s)            0.98    Avg. Vel. (ft/s)            1.01       1.20       0.83
  Max Chl Dpth (ft)         179.98    Hydr. Depth (ft)          133.77     173.27      99.78
  Conv. Total (cfs)       239788000.0    Conv. (cfs)           168075100.0   20401130.0   51311830.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4911.73     392.69    2482.29
  Min Ch El (ft)            580.62    Shear (lb/sq ft)            0.13       0.16       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    39487.76    8581.69   52896.89
  C & E Loss (ft)                     Cum SA (acres)            314.85      48.35     417.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10223.5*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.54  227.02  725.46  307.49  713.35   422.8  705.53  461.24  718.83
  614.98  708.41   845.6  634.49 1059.41  617.89 1383.71  611.04 1844.95  605.83
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  1891.8  605.62  1998.7  606.36 2152.44  606.89 2267.75   605.3 2345.83   605.3
 3026.87     610 3228.67     610 3574.59  612.65 3843.65  611.06 4151.14     610
 4237.62     610 4388.97   605.3    4843   605.3  4919.5  580.59    5096  580.59
 5229.75   605.3 5400.61  614.36 5449.43  620.31  5620.3  629.38 5913.21  636.86
 6010.85  644.05 6206.12  653.74  6401.4  663.43 6499.03   667.8 6621.08  666.69
  6669.9  667.94 6791.95  673.41 6840.76  674.65 6987.22  676.04 7084.86  671.49
 7158.09  673.36  7182.5  679.62  7206.9  679.31 7377.77  683.67 7573.04  721.56
  7719.5   725.3

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4843     .15 5229.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4843 5229.75             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.60    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       648010.00   67022.61   248926.80
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            648010.00   67022.61   248926.80
  Q Total (cfs)           943924.00    Flow (cfs)             657021.70   80310.87   206591.40
  Top Width (ft)           7719.50    Top Width (ft)           4843.00     386.75    2489.75
  Vel Total (ft/s)            0.98    Avg. Vel. (ft/s)            1.01       1.20       0.83
  Max Chl Dpth (ft)         180.01    Hydr. Depth (ft)          133.80     173.30      99.98
  Conv. Total (cfs)       240018000.0    Conv. (cfs)            167065400.0   20421190.0   52531400.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4880.68     392.91    2531.67
  Min Ch El (ft)            580.59    Shear (lb/sq ft)            0.13       0.16       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    39117.09    8543.49   52756.49
  C & E Loss (ft)                     Cum SA (acres)            312.08      48.13     416.47


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10198.6*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.36  225.56  725.73  305.52  713.63   420.1  705.65  458.29  718.59
  611.05  707.95  840.19  634.79 1052.62  617.93 1374.86  611.06 1833.14  605.74
 1879.69  605.52  1985.9  606.24 2138.67  606.76 2253.24   605.2 2330.81   605.2
  3007.5     610    3208     610 3551.71   612.6 3819.05  611.04 4124.57     610
  4210.5     610 4360.87   605.2    4812   605.2    4888  580.56    5064  580.56
    5199   605.2 5373.24  614.28 5423.03  620.31 5597.27  629.39 5895.98  636.73
 5995.55  643.98 6194.69  653.67 6393.82  663.36 6493.39  667.73 6617.85  666.47
 6667.64  667.69  6792.1  673.15 6841.88  674.38 6991.24  675.65  7090.8  670.89
 7165.48  672.73 7190.37   679.1 7215.26  678.75 7389.51  683.04 7588.65  721.53
    7738   725.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4812     .15    5199     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4812    5199             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.60    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       644012.10   67077.13   254355.10
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            644012.10   67077.13   254355.10
  Q Total (cfs)           943923.10    Flow (cfs)             652407.20   80310.48   211205.50
  Top Width (ft)           7738.00    Top Width (ft)           4812.00     387.00    2539.00
  Vel Total (ft/s)            0.98    Avg. Vel. (ft/s)            1.01       1.20       0.83
  Max Chl Dpth (ft)         180.04    Hydr. Depth (ft)          133.83     173.33     100.18
  Conv. Total (cfs)       240254900.0    Conv. (cfs)            166055900.0   20441270.0   53757710.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4849.64     393.12    2581.05
  Min Ch El (ft)            580.56    Shear (lb/sq ft)            0.13       0.16       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    38748.71    8505.26   52612.99
  C & E Loss (ft)                     Cum SA (acres)            309.33      47.91     415.03


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10173.8*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.18  224.11  726.01  303.56  713.92  417.39  705.77  455.33  718.35
  607.11  707.49  834.78   635.1 1045.84  617.97    1366  611.08 1821.33  605.65
 1867.58  605.41 1973.11  606.12 2124.89  606.63 2238.72   605.1  2315.8   605.1
 2988.12     610 3187.33     610 3528.83  612.55 3794.44  611.02    4098     610
 4183.37     610 4332.78   605.1    4781   605.1  4856.5  580.53    5032  580.53
 5168.25   605.1 5345.87   614.2 5396.62   620.3 5574.25   629.4 5878.75   636.6
 5980.25   643.9 6183.25   653.6 6386.25   663.3 6487.75  667.66 6614.62  666.25
 6665.38  667.45 6792.25   672.9    6843   674.1 6995.25  675.25 7096.75   670.3
 7172.88   672.1 7198.25  678.58 7223.62   678.2 7401.25   682.4 7604.25   721.5
  7756.5   725.1

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4781     .15 5168.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4781 5168.25             24.84   24.84   24.84             .1       .3
```

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CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.62    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.60    Reach Len. (ft)           24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       640008.20   67131.69   259804.40
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            640008.20   67131.69   259804.40
  Q Total (cfs)           943922.20    Flow (cfs)              647777.90   80308.36   215835.90
  Top Width (ft)           7756.50    Top Width (ft)           4781.00     387.25    2588.25
  Vel Total (ft/s)            0.98    Avg. Vel. (ft/s)            1.01       1.20       0.83
  Max Chl Dpth (ft)         180.07    Hydr. Depth (ft)          133.86     173.35     100.38
  Conv. Total (cfs)       240496900.0    Conv. (cfs)            165043900.0   20461340.0   54991690.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4818.60     393.34    2630.43
  Min Ch El (ft)            580.53    Shear (lb/sq ft)            0.13       0.16       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    38382.60    8466.99   52466.39
  C & E Loss (ft)                     Cum SA (acres)            306.59      47.69     413.57


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10149.*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     739  222.66  726.28  301.59   714.2  414.68  705.89  452.38  718.12
  603.17  707.03  829.37  635.41 1039.06  618.01 1357.14   611.1 1809.52  605.56
 1855.47   605.3 1960.32     606 2111.11   606.5 2224.21     605 2300.78     605
 2968.75     610 3166.67     610 3505.95   612.5 3769.84     611 4071.43     610
 4156.25     610 4304.69     605    4750     605    4825   580.5    5000   580.5
  5137.5     605  5318.5  614.12 5370.22  620.29 5551.23  629.41 5861.52  636.47
 5964.95  643.82 6171.81  653.53 6378.68  663.24 6482.11  667.59  6611.4  666.03
 6663.11  667.21  6792.4  672.65 6844.12  673.82 6999.26  674.85  7102.7  669.71
 7180.27  671.47 7206.13  678.06 7231.99  677.65 7412.99  681.76 7619.85  721.47
    7775     725

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4750     .15  5137.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4750  5137.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.62    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.60    Reach Len. (ft)           24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       636004.10   67186.33   265273.20
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            636004.10   67186.33   265273.20
  Q Total (cfs)           943921.30    Flow (cfs)              643138.40   80304.02   220478.80
  Top Width (ft)           7775.00    Top Width (ft)           4750.00     387.50    2637.50
  Vel Total (ft/s)            0.97    Avg. Vel. (ft/s)            1.01       1.20       0.83
  Max Chl Dpth (ft)         180.10    Hydr. Depth (ft)          133.90     173.38     100.58
  Conv. Total (cfs)       240745900.0    Conv. (cfs)            164031600.0   20481440.0   56232850.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4787.56     393.57    2679.81
  Min Ch El (ft)            580.50    Shear (lb/sq ft)            0.13       0.16       0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    38018.78    8428.69   52316.68
  C & E Loss (ft)                     Cum SA (acres)            303.88      47.47     412.08


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10124.1*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.82   221.2  726.56  299.62  714.48  411.98  706.01  449.43  717.88
  599.24  706.58  823.95  635.72 1032.28  618.05 1348.29  611.13 1797.71  605.47
 1843.36   605.2 1947.52  605.88 2097.33  606.37 2209.69   604.9 2285.77   604.9
 2949.37     610    3146     610 3483.07  612.45 3745.24  610.98 4044.86     610
 4129.12     610 4276.59   604.9    4719   604.9  4793.5  580.47    4968  580.47
 5106.75   604.9 5291.13  614.04 5343.82  620.29  5528.2  629.42 5844.29  636.34
 5949.65  643.75 6160.38  653.46  6371.1  663.17 6476.47  667.52 6608.17  665.81
 6660.85  666.96 6792.55  672.39 6845.24  673.55 7003.28  674.46 7108.64  669.11
 7187.66  670.84    7214  677.54 7240.35  677.09 7424.73  681.13 7635.46  721.44
  7793.5   724.9

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4719     .15 5106.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4719 5106.75            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.62    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.60    Reach Len. (ft)           24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       631991.60   67241.08   270760.40
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            631991.60   67241.08   270760.40
  Q Total (cfs)           943920.40    Flow (cfs)              638485.80   80298.78   225135.80
  Top Width (ft)           7793.50    Top Width (ft)           4719.00     387.75    2686.75
  Vel Total (ft/s)            0.97    Avg. Vel. (ft/s)            1.01       1.19       0.83
  Max Chl Dpth (ft)         180.13    Hydr. Depth (ft)          133.92     173.41     100.78
  Conv. Total (cfs)       240998000.0    Conv. (cfs)            163015600.0   20501560.0   57480780.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4756.53     393.79    2729.20
  Min Ch El (ft)            580.47    Shear (lb/sq ft)            0.13       0.16       0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    37657.25    8390.36   52163.85
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  C & E Loss (ft)                      Cum SA (acres)            301.18      47.24     410.56

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10099.3*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.64  219.75  726.83  297.65  714.77  409.27  706.12  446.48  717.64
   595.3  706.12  818.54  636.03  1025.5  618.09 1339.43  611.15  1785.9  605.39
 1831.25  605.09 1934.73  605.76 2083.56  606.24 2195.17   604.8 2270.75   604.8
    2930     610 3125.33     610 3460.19   612.4 3720.63  610.96 4018.29     610
    4102     610  4248.5   604.8    4688   604.8    4762  580.44    4936  580.44
    5076   604.8 5263.76  613.95 5317.41  620.28 5505.18  629.44 5827.06  636.21
 5934.35  643.67 6148.94  653.39 6363.53  663.11 6470.82  667.44 6604.94  665.59
 6658.59  666.72 6792.71  672.14 6846.35  673.27 7007.29  674.06 7114.59  668.52
 7195.06  670.21 7221.88  677.02 7248.71  676.54 7436.47  680.49 7651.06  721.41
    7812   724.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4688     .15    5076     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4688    5076            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.60    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       627981.90   67295.84   276268.30
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            627981.90   67295.84   276268.30
  Q Total (cfs)           943919.40    Flow (cfs)              633824.40   80290.57   229804.40
  Top Width (ft)           7812.00    Top Width (ft)           4688.00     388.00    2736.00
  Vel Total (ft/s)            0.97    Avg. Vel. (ft/s)            1.01       1.19       0.83
  Max Chl Dpth (ft)         180.16    Hydr. Depth (ft)          133.96     173.44     100.98
  Conv. Total (cfs)       241258800.0    Conv. (cfs)            162000800.0   20521670.0   58736300.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4725.50     394.01    2778.58
  Min Ch El (ft)            580.44    Shear (lb/sq ft)            0.13       0.16       0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.19       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    37298.00    8352.00   52007.88
  C & E Loss (ft)                     Cum SA (acres)            298.50      47.02     409.02

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10074.4*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.46   218.3   727.1  295.68  715.05  406.56  706.24  443.52   717.4
  591.37  705.66  813.13  636.34 1018.72  618.13 1330.57  611.17  1774.1   605.3
 1819.14  604.99 1921.94  605.64 2069.78  606.11 2180.66   604.7 2255.73   604.7
 2910.62     610 3104.67     610 3437.31  612.35 3696.03  610.94 3991.71     610
 4074.87     610 4220.41   604.7    4657   604.7  4730.5  580.41    4904  580.41
 5045.25   604.7 5236.39  613.87 5291.01  620.28 5482.15  629.45 5809.83  636.08
 5919.05  643.59  6137.5  653.32 6355.96  663.04 6465.18  667.37 6601.71  665.37
 6656.33  666.47 6792.86  671.89 6847.47  672.99 7011.31  673.66 7120.53  667.92
 7202.45  669.58 7229.76   676.5 7257.07  675.99 7448.21  679.86 7666.66  721.38
  7830.5   724.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4657     .15 5045.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4657 5045.25            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.62    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.60    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       623972.60   67350.72   281796.50
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            623972.60   67350.72   281796.50
  Q Total (cfs)           943918.50    Flow (cfs)              629153.60   80280.03   234484.90
  Top Width (ft)           7830.50    Top Width (ft)           4657.00     388.25    2785.25
  Vel Total (ft/s)            0.97    Avg. Vel. (ft/s)            1.01       1.19       0.83
  Max Chl Dpth (ft)         180.19    Hydr. Depth (ft)          133.99     173.47     101.17
  Conv. Total (cfs)       241527200.0    Conv. (cfs)            160986000.0   20541820.0   59999320.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4694.48     394.23    2827.97
  Min Ch El (ft)            580.41    Shear (lb/sq ft)            0.13       0.16       0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.19       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    36941.04    8313.61   51848.76
  C & E Loss (ft)                     Cum SA (acres)            295.83      46.80     407.44

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10049.6*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.28  216.84  727.38  293.71  715.34  403.86  706.36  440.57  717.17
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  587.43   705.2  807.71  636.64 1011.94  618.17 1321.71  611.19 1762.29  605.21
 1807.03  604.88 1909.14  605.52    2056  605.98 2166.14   604.6 2240.72   604.6
 2891.25     610    3084     610 3414.43   612.3 3671.43  610.92 3965.14     610
 4047.75     610 4192.31   604.6    4626   604.6    4699  580.38    4872  580.38
  5014.5   604.6 5209.02  613.79  5264.6  620.27 5459.13  629.46  5792.6  635.95
 5903.75  643.52 6126.07  653.25 6348.38  662.98 6459.54   667.3 6598.49  665.15
 6654.06  666.23 6793.01  671.64 6848.59  672.72 7015.32  673.26 7126.48  667.33
 7209.85  668.95 7237.64  675.97 7265.43  675.44 7459.95  679.22 7682.26  721.35
    7849   724.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4626     .15  5014.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4626  5014.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.61    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.60    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       619960.70   67405.57   287341.00
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            619960.70   67405.57   287341.00
  Q Total (cfs)           943917.60    Flow (cfs)             624475.70   80267.78   239174.10
  Top Width (ft)           7849.00    Top Width (ft)           4626.00     388.50    2834.50
  Vel Total (ft/s)            0.97    Avg. Vel. (ft/s)            1.01       1.19       0.83
  Max Chl Dpth (ft)         180.22    Hydr. Depth (ft)          134.02     173.50     101.37
  Conv. Total (cfs)       241800300.0    Conv. (cfs)           159969900.0   20561940.0   61268460.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4663.47     394.46    2877.36
  Min Ch El (ft)            580.38    Shear (lb/sq ft)            0.13       0.16       0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.19       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    36586.36    8275.19   51686.48
  C & E Loss (ft)                     Cum SA (acres)            293.18      46.58     405.84


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10024.8*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   738.1  215.39  727.65  291.75  715.62  401.15  706.48  437.62  716.93
  583.49  704.74   802.3  636.95 1005.16  618.21 1312.86  611.21 1750.48  605.12
 1794.92  604.77 1896.35   605.4 2042.22  605.85 2151.63   604.5  2225.7   604.5
 2871.88     610 3063.33     610 3391.55  612.25 3646.83   610.9 3938.57     610
 4020.62     610 4164.22   604.5    4595   604.5  4667.5  580.35    4840  580.35
 4983.75   604.5 5181.65  613.71  5238.2  620.26  5436.1  629.47 5775.37  635.82
 5888.46  643.44 6114.63  653.18 6340.81  662.91  6453.9  667.23 6595.26  664.93
  6651.8  665.99 6793.16  671.38 6849.71  672.44 7019.34  672.87 7132.43  666.74
 7217.24  668.32 7245.51  675.45 7273.79  674.88 7471.69  678.59 7697.87  721.32
  7867.5   724.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4595     .15 4983.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4595 4983.75            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.61    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.60    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       615947.70   67460.54   292908.30
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            615947.70   67460.54   292908.30
  Q Total (cfs)           943916.60    Flow (cfs)             619786.10   80253.07   243877.40
  Top Width (ft)           7867.50    Top Width (ft)           4595.00     388.75    2883.75
  Vel Total (ft/s)            0.97    Avg. Vel. (ft/s)            1.01       1.19       0.83
  Max Chl Dpth (ft)         180.25    Hydr. Depth (ft)          134.05     173.53     101.57
  Conv. Total (cfs)       242081400.0    Conv. (cfs)           158953300.0   20582090.0   62545980.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4632.45     394.68    2926.75
  Min Ch El (ft)            580.35    Shear (lb/sq ft)            0.13       0.16       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.19       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    36233.97    8236.74   51521.04
  C & E Loss (ft)                     Cum SA (acres)            290.55      46.36     404.21


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9999.96*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.92  213.94  727.93  289.78   715.9  398.44  706.59  434.67  716.69
  579.56  704.28  796.89  637.26  998.38  618.25    1304  611.24 1738.67  605.03
 1782.81  604.67 1883.56  605.28 2028.44  605.72 2137.11   604.4 2210.69   604.4
  2852.5     610 3042.67     610 3368.67   612.2 3622.22  610.88    3912     610
  3993.5     610 4136.12   604.4    4564   604.4    4636  580.32    4808  580.32
    4953   604.4 5154.28  613.62 5211.79  620.26 5413.08  629.48 5758.14  635.69
 5873.16  643.36  6103.2  653.11 6333.24  662.85 6448.25  667.16 6592.03  664.71
 6649.54  665.74 6793.31  671.13 6850.82  672.16 7023.35  672.47 7138.37  666.14
 7224.64  667.69 7253.39  674.93 7282.15  674.33 7483.43  677.95 7713.47  721.29
    7886   724.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4564     .15    4953     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4564    4953            24.84   24.84   24.84             .1       .3
```

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CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.61    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.60    Reach Len. (ft)           24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       611927.80   67515.59   298497.10
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            611927.80   67515.59   298497.10
  Q Total (cfs)           943915.60    Flow (cfs)             615083.10   80236.88   248595.70
  Top Width (ft)           7886.00    Top Width (ft)           4564.00     389.00    2933.00
  Vel Total (ft/s)            0.97    Avg. Vel. (ft/s)            1.01       1.19       0.83
  Max Chl Dpth (ft)         180.28    Hydr. Depth (ft)          134.08     173.56     101.77
  Conv. Total (cfs)       242367300.0    Conv. (cfs)            157933600.0   20602260.0   63831400.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4601.45     394.91    2976.15
  Min Ch El (ft)            580.32    Shear (lb/sq ft)            0.13       0.16       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.19       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    35883.88    8198.25   51352.42
  C & E Loss (ft)                     Cum SA (acres)            287.94      46.14     402.55


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9975.12*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.74  212.48   728.2  287.81  716.19  395.74  706.71  431.71  716.45
  575.62  703.82  791.48  637.57  991.59  618.29 1295.14  611.26 1726.86  604.94
  1770.7  604.56 1870.76  605.16 2014.67  605.59  2122.6   604.3 2195.67   604.3
 2833.12     610    3022     610 3345.79  612.15 3597.62  610.86 3885.43     610
 3966.38     610 4108.03   604.3    4533   604.3  4604.5  580.29    4776  580.29
 4922.25   604.3 5126.91  613.54 5185.39  620.25 5390.05  629.49 5740.91  635.56
 5857.86  643.29 6091.76  653.04 6325.66  662.78 6442.61  667.09  6588.8  664.49
 6647.28   665.5 6793.47  670.88 6851.94  671.89 7027.37  672.07 7144.32  665.55
 7232.03  667.06 7261.27  674.41 7290.51  673.78 7495.17  677.32 7729.07  721.26
  7904.5   724.3

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4533     .15 4922.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4533 4922.25             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.61    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.60    Reach Len. (ft)           24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       607910.70   67570.70   304099.70
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            607910.70   67570.70   304099.70
  Q Total (cfs)           943914.60    Flow (cfs)             610379.40   80218.65   253316.60
  Top Width (ft)           7904.50    Top Width (ft)           4533.00     389.25    2982.25
  Vel Total (ft/s)            0.96    Avg. Vel. (ft/s)            1.00       1.19       0.83
  Max Chl Dpth (ft)         180.31    Hydr. Depth (ft)          134.11     173.59     101.97
  Conv. Total (cfs)       242659600.0    Conv. (cfs)            156915100.0   20622450.0   65122120.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4570.44     395.13    3025.54
  Min Ch El (ft)            580.29    Shear (lb/sq ft)            0.13       0.16       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.19       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    35536.07    8159.74   51180.60
  C & E Loss (ft)                     Cum SA (acres)            285.35      45.92     400.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9950.28*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.56  211.03  728.48  285.84  716.47  393.03  706.83  428.76  716.22
  571.68  703.36  786.06  637.88  984.81  618.33 1286.29  611.28 1715.05  604.85
 1758.59  604.46 1857.97  605.04 2000.89  605.46 2108.08   604.2 2180.66   604.2
 2813.75     610 3001.33     610  3322.9   612.1 3573.02  610.84 3858.86     610
 3939.25     610 4079.94   604.2    4502   604.2    4573  580.26    4744  580.26
  4891.5   604.2 5099.54  613.46 5158.99  620.25 5367.03  629.51 5723.68  635.44
 5842.56  643.21 6080.32  652.96 6318.09  662.72 6436.97  667.01 6585.57  664.26
 6645.01  665.25 6793.62  670.62 6853.06  671.61 7031.38  671.68 7150.26  664.95
 7239.43  666.44 7269.15  673.89 7298.87  673.22 7506.91  676.68 7744.68  721.24
    7923   724.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4502     .15  4891.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4502  4891.5             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.61    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.60    Reach Len. (ft)           24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       603890.10   67625.91   309724.40
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            603890.10   67625.91   309724.40
  Q Total (cfs)           943913.70    Flow (cfs)             605664.30   80198.44   258051.00
  Top Width (ft)           7923.00    Top Width (ft)           4502.00     389.50    3031.50
  Vel Total (ft/s)            0.96    Avg. Vel. (ft/s)            1.00       1.19       0.83
  Max Chl Dpth (ft)         180.34    Hydr. Depth (ft)          134.14     173.62     102.17
  Conv. Total (cfs)       242958500.0    Conv. (cfs)            155894800.0   20642660.0   66421000.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4539.45     395.36    3074.94
  Min Ch El (ft)            580.26    Shear (lb/sq ft)            0.13       0.16       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.19       0.08
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  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    35190.56    8121.19   51005.59
  C & E Loss (ft)                     Cum SA (acres)            282.77      45.69     399.15


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9925.44*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.38  209.58  728.75  283.87  716.75  390.33  706.95  425.81  715.98
  567.75   702.9  780.65  638.19  978.03  618.37 1277.43   611.3 1703.24  604.76
 1746.48  604.35 1845.17  604.92 1987.11  605.33 2093.56   604.1 2165.64   604.1
 2794.38     610 2980.67     610 3300.02  612.05 3548.41  610.82 3832.29     610
 3912.12     610 4051.84   604.1    4471   604.1  4541.5  580.23    4712  580.23
 4860.75   604.1 5072.17  613.38 5132.58  620.24    5344  629.52 5706.45  635.31
 5827.26  643.14 6068.89  652.89 6310.51  662.65 6431.33  666.94 6582.35  664.04
 6642.75  665.01 6793.77  670.37 6854.18  671.34  7035.4  671.28 7156.21  664.36
 7246.82  665.81 7277.02  673.37 7307.23  672.67 7518.65  676.05 7760.28  721.21
  7941.5   724.1

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4471     .15 4860.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4471 4860.75             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.61    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.60    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       599869.60   67681.15   315366.00
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            599869.60   67681.15   315366.00
  Q Total (cfs)           943912.70    Flow (cfs)              600944.80   80176.16   262791.70
  Top Width (ft)           7941.50    Top Width (ft)           4471.00     389.75     3080.75
  Vel Total (ft/s)            0.96    Avg. Vel. (ft/s)            1.00       1.18       0.83
  Max Chl Dpth (ft)         180.37    Hydr. Depth (ft)          134.17     173.65     102.37
  Conv. Total (cfs)       243263600.0    Conv. (cfs)            154874500.0   20662870.0   67726250.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4508.46     395.58     3124.33
  Min Ch El (ft)            580.23    Shear (lb/sq ft)            0.13       0.16       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.19       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    34847.34    8082.61   50827.36
  C & E Loss (ft)                     Cum SA (acres)            280.22      45.47     397.41


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9900.6*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   737.2  208.12  729.03   281.9  717.04  387.62  707.06  422.86  715.74
  563.81  702.44  775.24  638.49  971.25  618.41 1268.57  611.32 1691.43  604.68
 1734.38  604.24 1832.38   604.8 1973.33   605.2 2079.05     604 2150.62     604
    2775     610    2960     610 3277.14     612 3523.81   610.8 3805.71     610
    3885     610 4023.75     604    4440     604    4510   580.2    4680   580.2
    4830     604  5044.8  613.29 5106.18  620.24 5320.98  629.53 5689.22  635.18
 5811.96  643.06 6057.45  652.82 6302.94  662.59 6425.69  666.87 6579.12  663.82
 6640.49  664.76 6793.92  670.12 6855.29  671.06 7039.41  670.88 7162.16  663.76
 7254.22  665.18  7284.9  672.85 7315.59  672.12 7530.39  675.41 7775.88  721.18
    7960     724

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4440     .15    4830     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4440    4830             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.61    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.60    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       595845.10   67736.39   321032.70
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            595845.10   67736.39   321032.70
  Q Total (cfs)           943911.80    Flow (cfs)              596212.00   80151.48   267548.30
  Top Width (ft)           7960.00    Top Width (ft)           4440.00     390.00     3130.00
  Vel Total (ft/s)            0.96    Avg. Vel. (ft/s)            1.00       1.18       0.83
  Max Chl Dpth (ft)         180.40    Hydr. Depth (ft)          134.20     173.68     102.57
  Conv. Total (cfs)       243576100.0    Conv. (cfs)            153852300.0   20683060.0   69040750.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4477.48     395.81     3173.73
  Min Ch El (ft)            580.20    Shear (lb/sq ft)            0.12       0.16       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.19       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    34506.41    8044.00   50645.91
  C & E Loss (ft)                     Cum SA (acres)            277.67      45.25     395.64


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9875.76*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
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       0  737.02  206.67   729.3  279.94  717.32  384.91  707.18   419.9   715.5
  559.87  701.98  769.83   638.8  964.47  618.45 1259.71  611.35 1679.62  604.59
 1722.27  604.14 1819.59  604.68 1959.56  605.07 2064.53   603.9 2135.61   603.9
 2755.62     610 2939.33     610 3254.26  611.95 3499.21  610.78 3779.14     610
 3857.88     610 3995.66   603.9    4409   603.9  4478.5  580.17    4648  580.17
 4799.25   603.9 5017.43  613.21 5079.77  620.23 5297.96  629.54 5671.99  635.05
 5796.66  642.98 6046.01  652.75 6295.37  662.52 6420.04   666.8 6575.89   663.6
 6638.23  664.52 6794.07  669.86 6856.41  670.78 7043.43  670.49  7168.1  663.17
 7261.61  664.55 7292.78  672.33 7323.95  671.56 7542.13  674.78 7791.49  721.15
  7978.5   723.9

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4409     .15 4799.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4409 4799.25            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.61    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.60    Reach Len. (ft)             24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       591816.40   67791.77   326717.60
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            591816.40   67791.77   326717.60
  Q Total (cfs)           943910.80    Flow (cfs)             591471.80   80125.34   272313.70
  Top Width (ft)           7978.50    Top Width (ft)           4409.00     390.25    3179.25
  Vel Total (ft/s)            0.96    Avg. Vel. (ft/s)            1.00       1.18       0.83
  Max Chl Dpth (ft)         180.43    Hydr. Depth (ft)          134.23     173.71     102.77
  Conv. Total (cfs)       243893800.0    Conv. (cfs)            152828300.0   20703300.0   70362180.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4446.49     396.04    3223.13
  Min Ch El (ft)            580.17    Shear (lb/sq ft)            0.12       0.16       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.19       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    34167.78    8005.36   50461.22
  C & E Loss (ft)                     Cum SA (acres)            275.15      45.03     393.84


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9850.92*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.84  205.22  729.57  277.97  717.61  382.21   707.3  416.95  715.26
  555.94  701.52  764.41  639.11  957.69  618.49 1250.86  611.37 1667.81   604.5
 1710.16  604.03 1806.79  604.56 1945.78  604.94 2050.02   603.8 2120.59   603.8
 2736.25     610 2918.67     610 3231.38   611.9  3474.6  610.76 3752.57     610
 3830.75     610 3967.56   603.8    4378   603.8    4447  580.14    4616  580.14
  4768.5   603.8 4990.06  613.13 5053.37  620.22 5274.93  629.55 5654.75  634.92
 5781.36  642.91 6034.58  652.68 6287.79  662.46  6414.4  666.73 6572.66  663.38
 6635.97  664.28 6794.23  669.61 6857.53  670.51 7047.44  670.09 7174.05  662.58
    7269  663.92 7300.66   671.8 7332.31  671.01 7553.87  674.14 7807.09  721.12
    7997   723.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4378     .15  4768.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4378  4768.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.61    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.59    Reach Len. (ft)             24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       587790.20   67847.25   332419.20
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            587790.20   67847.25   332419.20
  Q Total (cfs)           943909.80    Flow (cfs)             586729.80   80097.02   277083.00
  Top Width (ft)           7997.00    Top Width (ft)           4378.00     390.50    3228.50
  Vel Total (ft/s)            0.96    Avg. Vel. (ft/s)            1.00       1.18       0.83
  Max Chl Dpth (ft)         180.45    Hydr. Depth (ft)          134.26     173.74     102.96
  Conv. Total (cfs)       244218700.0    Conv. (cfs)            151805200.0   20723580.0   71689950.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4415.52     396.27    3272.53
  Min Ch El (ft)            580.14    Shear (lb/sq ft)            0.12       0.16       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.19       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    33831.45    7966.68   50273.28
  C & E Loss (ft)                     Cum SA (acres)            272.65      44.80     392.01


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9826.08*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.66  203.77  729.85     276  717.89   379.5  707.42     414  715.03
     552  701.06     759  639.42  950.91  618.53    1242  611.39    1656  604.41
 1698.05  603.93    1794  604.44    1932  604.81  2035.5   603.7 2105.58   603.7
 2716.88     610    2898     610  3208.5  611.85    3450  610.74    3726     610
 3803.63     610 3939.47   603.7    4347   603.7  4415.5  580.11    4584  580.11
 4737.75   603.7 4962.69  613.05 5026.96  620.22 5251.91  629.56 5637.52  634.79
 5766.06  642.83 6023.14  652.61 6280.22  662.39 6408.76  666.66 6569.43  663.16
  6633.7  664.03 6794.38  669.36 6858.65  670.23 7051.46  669.69    7180  661.98
  7276.4  663.29 7308.53  671.28 7340.67  670.46 7565.61  673.51 7822.69  721.09
  8015.5   723.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4347     .15 4737.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
```

```
          4347 4737.75            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.61    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.59    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       583759.30   67902.76   338143.10
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            583759.30   67902.76   338143.10
  Q Total (cfs)           943908.80    Flow (cfs)             581977.50   80066.77   281864.50
  Top Width (ft)           8015.50    Top Width (ft)           4347.00     390.75     3277.75
  Vel Total (ft/s)            0.95    Avg. Vel. (ft/s)            1.00       1.18       0.83
  Max Chl Dpth (ft)         180.48    Hydr. Depth (ft)         134.29     173.78     103.16
  Conv. Total (cfs)       244549700.0    Conv. (cfs)           150779800.0   20743850.0   73026000.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4384.56     396.50     3321.93
  Min Ch El (ft)            580.11    Shear (lb/sq ft)            0.12       0.16       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.19       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    33497.41    7927.98   50082.09
  C & E Loss (ft)                     Cum SA (acres)            270.16      44.58     390.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9801.24*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.48  202.31  730.12  274.03  718.17  376.79  707.54  411.05  714.79
  548.06   700.6  753.59  639.73  944.13  618.57 1233.14  611.41 1644.19  604.32
 1685.94  603.82 1781.21  604.32 1918.22  604.68 2020.98   603.6 2090.56   603.6
  2697.5     610 2877.33     610 3185.62   611.8  3425.4  610.72 3699.43     610
  3776.5     610 3911.38   603.6    4316   603.6    4384  580.08    4552  580.08
    4707   603.6 4935.32  612.96 5000.56  620.21 5228.88  629.58 5620.29  634.66
 5750.76  642.75 6011.71  652.54 6272.65  662.33 6403.12  666.58 6566.21  662.94
 6631.44  663.79 6794.53  669.11 6859.76  669.95 7055.47  669.29 7185.94  661.39
 7283.79  662.66 7316.41  670.76 7349.03  669.91 7577.35  672.87 7838.29  721.06
    8034   723.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4316     .15    4707     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4316    4707            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.61    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.59    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       579729.90   67958.35   343886.40
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            579729.90   67958.35   343886.40
  Q Total (cfs)           943907.80    Flow (cfs)             577221.60   80034.10   286652.20
  Top Width (ft)           8034.00    Top Width (ft)           4316.00     391.00     3327.00
  Vel Total (ft/s)            0.95    Avg. Vel. (ft/s)            1.00       1.18       0.83
  Max Chl Dpth (ft)         180.51    Hydr. Depth (ft)         134.32     173.81     103.36
  Conv. Total (cfs)       244888600.0    Conv. (cfs)           149755100.0   20764150.0   74369400.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4353.59     396.73     3371.34
  Min Ch El (ft)            580.08    Shear (lb/sq ft)            0.12       0.16       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.19       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    33165.67    7889.24   49887.62
  C & E Loss (ft)                     Cum SA (acres)            267.69      44.36     388.27


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9776.4*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   736.3  200.86   730.4  272.06  718.46  374.09  707.65   408.1  714.55
  544.13  700.15  748.17  640.03  937.34  618.61 1224.29  611.44 1632.38  604.23
 1673.83  603.71 1768.41   604.2 1904.44  604.55 2006.47   603.5 2075.55   603.5
 2678.13     610 2856.67     610 3162.74  611.75 3400.79   610.7 3672.86     610
 3749.38     610 3883.28   603.5    4285   603.5  4352.5  580.05    4520  580.05
 4676.25   603.5 4907.95  612.88 4974.15  620.21 5205.86  629.59 5603.06  634.53
 5735.47  642.68 6000.27  652.47 6265.07  662.26 6397.48  666.51 6562.98  662.72
 6629.18  663.54 6794.68  668.85 6860.88  669.68 7059.49   668.9 7191.89  660.79
 7291.19  662.03 7324.29  670.24 7357.39  669.35 7589.09  672.24  7853.9  721.03
  8052.5   723.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4285     .15 4676.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4285 4676.25            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.61    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.59    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       575693.60   68013.99   349647.40
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            575693.60   68013.99   349647.40
  Q Total (cfs)           943906.80    Flow (cfs)             572458.10   80000.43   291448.30
  Top Width (ft)           8052.50    Top Width (ft)           4285.00     391.25     3376.25
  Vel Total (ft/s)            0.95    Avg. Vel. (ft/s)            0.99       1.18       0.83
  Max Chl Dpth (ft)         180.54    Hydr. Depth (ft)         134.35     173.84     103.56
  Conv. Total (cfs)       245231000.0    Conv. (cfs)           148727000.0   20784450.0   75719500.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4322.64     396.96     3420.74
  Min Ch El (ft)            580.05    Shear (lb/sq ft)            0.12       0.16       0.09
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  Alpha                        1.03    Stream Power (lb/ft s)      0.12       0.19       0.08
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    32836.23    7850.47   49689.88
  C & E Loss (ft)                      Cum SA (acres)            265.24      44.14     386.36


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9751.56*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  736.12  199.41  730.67   270.1  718.74  371.38  707.77  405.14  714.31
  540.19  699.69  742.76  640.34  930.56  618.65 1215.43  611.46 1620.57  604.14
 1661.72  603.61 1755.62  604.08 1890.67  604.42 1991.95   603.4 2060.53   603.4
 2658.75     610    2836     610 3139.86   611.7 3376.19  610.68 3646.29     610
 3722.25     610 3855.19   603.4    4254   603.4    4321  580.02    4488  580.02
  4645.5   603.4 4880.58   612.8 4947.75   620.2 5182.83   629.6 5585.83   634.4
 5720.17   642.6 5988.83   652.4  6257.5   662.2 6391.83  666.44 6559.75   662.5
 6626.92   663.3 6794.83   668.6    6862   669.4  7063.5   668.5 7197.83   660.2
 7298.58   661.4 7332.17  669.72 7365.75   668.8 7600.83   671.6  7869.5     721
    8071   723.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4254     .15  4645.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4254  4645.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.61    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.59    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       571659.20   68069.68   355429.90
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            571659.20   68069.68   355429.90
  Q Total (cfs)           943905.70    Flow (cfs)             567690.40   79963.95   296251.30
  Top Width (ft)           8071.00    Top Width (ft)           4254.00     391.50    3425.50
  Vel Total (ft/s)            0.95    Avg. Vel. (ft/s)            0.99       1.17       0.83
  Max Chl Dpth (ft)         180.57    Hydr. Depth (ft)          134.38     173.87     103.76
  Conv. Total (cfs)       245582300.0    Conv. (cfs)            147699800.0   20804760.0   77077700.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4291.69     397.19    3470.15
  Min Ch El (ft)            580.02    Shear (lb/sq ft)            0.12       0.16       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.19       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    32509.10    7811.67   49488.84
  C & E Loss (ft)                     Cum SA (acres)            262.80      43.91     384.42


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9726.72*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  735.94  197.95  730.95  268.13  719.03  368.67  707.89  402.19  714.08
  536.25  699.23  737.35  640.65  923.78  618.69 1206.57  611.48 1608.76  604.05
 1649.61   603.5 1742.83  603.96 1876.89  604.29 1977.44   603.3 2045.52   603.3
 2639.38     610 2815.33     610 3116.98  611.65 3351.59  610.66 3619.71     610
 3695.13     610 3827.09   603.3    4223   603.3  4289.5  579.99    4456  579.99
 4614.75   603.3 4853.21  612.72 4921.35  620.19 5159.81  629.61  5568.6  634.27
 5704.87  642.52  5977.4  652.33 6249.93  662.14 6386.19  666.37 6556.52  662.28
 6624.65  663.06 6794.99  668.35 6863.12  669.12 7067.51   668.1 7203.78  659.61
 7305.98  660.77 7340.04   669.2 7374.11  668.25 7612.57  670.96  7885.1  720.97
  8089.5   723.3

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4223     .15 4614.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4223 4614.75            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.61    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.59    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       567620.90   68125.47   361232.10
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            567620.90   68125.47   361232.10
  Q Total (cfs)           943904.70    Flow (cfs)             562916.30   79925.89   301062.60
  Top Width (ft)           8089.50    Top Width (ft)           4223.00     391.75    3474.75
  Vel Total (ft/s)            0.95    Avg. Vel. (ft/s)            0.99       1.17       0.83
  Max Chl Dpth (ft)         180.60    Hydr. Depth (ft)          134.41     173.90     103.96
  Conv. Total (cfs)       245939200.0    Conv. (cfs)            146670700.0   20825100.0   78443400.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4260.76     397.42    3519.55
  Min Ch El (ft)            579.99    Shear (lb/sq ft)            0.12       0.16       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.18       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    32184.26    7772.84   49284.51
  C & E Loss (ft)                     Cum SA (acres)            260.38      43.69     382.45


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9701.88*

INPUT
Description:
Station Elevation Data    num=      46
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  735.76   196.5  731.22  266.16  719.31  365.97  708.01  399.24  713.84
  532.32  698.77  731.94  640.96     917  618.73 1197.71   611.5 1596.95  603.97
  1637.5   603.4 1730.03  603.84 1863.11  604.16 1962.92   603.2  2030.5   603.2
    2620     610 2794.67     610  3094.1   611.6 3326.98  610.64 3593.14     610
    3668     610    3799   603.2    4192   603.2    4258  579.96    4424  579.96
    4584   603.2 4825.84  612.64 4894.94  620.19 5136.78  629.62 5551.37  634.14
 5689.57  642.45 5965.96  652.26 6242.35  662.07 6380.55   666.3 6553.29  662.06
 6622.39  662.81 6795.14  668.09 6864.24  668.85 7071.53  667.71 7209.73  659.01
 7313.37  660.14 7347.92  668.68 7382.47  667.69 7624.31  670.33 7900.71  720.94
    8108   723.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4192     .15    4584     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4192    4584            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.61    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.59    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       563580.30   68181.30   367051.60
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            563580.30   68181.30   367051.60
  Q Total (cfs)           943903.70    Flow (cfs)              558139.30   79886.16   305878.20
  Top Width (ft)           8108.00    Top Width (ft)           4192.00     392.00    3524.00
  Vel Total (ft/s)            0.95    Avg. Vel. (ft/s)            0.99       1.17       0.83
  Max Chl Dpth (ft)         180.63    Hydr. Depth (ft)          134.44     173.93     104.16
  Conv. Total (cfs)       246301700.0    Conv. (cfs)            145640500.0   20845450.0   79815690.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4229.82     397.65    3568.96
  Min Ch El (ft)            579.96    Shear (lb/sq ft)            0.12       0.16       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.18       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31861.73    7733.97   49076.86
  C & E Loss (ft)                     Cum SA (acres)            257.98      43.47     380.46

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9677.04*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  735.58  195.05  731.49  264.19  719.59  363.26  708.12  396.29   713.6
  528.38  698.31  726.52  641.27  910.22  618.77 1188.86  611.52 1585.14  603.88
 1625.39  603.29 1717.24  603.72 1849.33  604.03 1948.41   603.1 2015.48   603.1
 2600.63     610    2774     610 3071.21  611.55 3302.38  610.62 3566.57     610
 3640.88     610 3770.91   603.1    4161   603.1  4226.5  579.93    4392  579.93
 4553.25   603.1 4798.47  612.55 4868.54  620.18 5113.76  629.64 5534.14  634.01
 5674.27  642.37 5954.52  652.19 6234.78  662.01 6374.91  666.22 6550.07  661.84
 6620.13  662.57 6795.29  667.84 6865.35  668.57 7075.54  667.31 7215.67  658.42
 7320.77  659.51  7355.8  668.16 7390.83  667.14 7636.05  669.69 7916.31  720.91
  8126.5   723.1

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4161     .15 4553.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4161 4553.25            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.59    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       559541.90   68237.22   372892.80
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            559541.90   68237.22   372892.80
  Q Total (cfs)           943902.60    Flow (cfs)              553359.10   79843.73   310699.80
  Top Width (ft)           8126.50    Top Width (ft)           4161.00     392.25    3573.25
  Vel Total (ft/s)            0.94    Avg. Vel. (ft/s)            0.99       1.17       0.83
  Max Chl Dpth (ft)         180.66    Hydr. Depth (ft)          134.47     173.96     104.36
  Conv. Total (cfs)       246673200.0    Conv. (cfs)            144611100.0   20865820.0   81196190.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4198.89     397.88    3618.37
  Min Ch El (ft)            579.93    Shear (lb/sq ft)            0.12       0.16       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.18       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31541.50    7695.08   48865.88
  C & E Loss (ft)                     Cum SA (acres)            255.60      43.24     378.44

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9652.2*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   735.4  193.59  731.77  262.22  719.88  360.56  708.24  393.33  713.36
  524.44  697.85  721.11  641.58  903.44  618.81    1180  611.55 1573.33  603.79
 1613.28  603.18 1704.44   603.6 1835.56   603.9 1933.89     603 2000.47     603
 2581.25     610 2753.33     610 3048.33   611.5 3277.78   610.6    3540     610
 3613.75     610 3742.81     603    4130     603    4195   579.9    4360   579.9
  4522.5     603  4771.1  612.47 4842.13  620.18 5090.74  629.65 5516.91  633.88
 5658.97  642.29 5943.09  652.12 6227.21  661.94 6369.26  666.15 6546.84  661.62
 6617.87  662.32 6795.44  667.59 6866.47  668.29 7079.56  666.91 7221.62  657.82
 7328.16  658.88 7363.68  667.64 7399.19  666.59 7647.79  669.06 7931.91  720.88
    8145     723

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4130     .15  4522.5     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4130  4522.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.59    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       555495.70   68293.20   378754.40
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            555495.70   68293.20   378754.40
  Q Total (cfs)           943901.60    Flow (cfs)             548570.30   79800.12   315531.20
  Top Width (ft)           8145.00    Top Width (ft)           4130.00     392.50    3622.50
  Vel Total (ft/s)            0.94    Avg. Vel. (ft/s)            0.99       1.17       0.83
  Max Chl Dpth (ft)         180.69    Hydr. Depth (ft)          134.50     174.00     104.56
  Conv. Total (cfs)       247048900.0    Conv. (cfs)            143578200.0   20886210.0   82584490.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4167.97     398.12    3667.77
  Min Ch El (ft)            579.90    Shear (lb/sq ft)            0.12       0.16       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.18       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31223.58    7656.15   48651.57
  C & E Loss (ft)                     Cum SA (acres)            253.24      43.02     376.38


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9627.36*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  735.22  192.14  732.04  260.25  720.16  357.85  708.36  390.38  713.13
  520.51  697.39   715.7  641.88  896.66  618.85 1171.14  611.57 1561.52   603.7
 1601.17  603.08 1691.65  603.48 1821.78  603.77 1919.37   602.9 1985.45   602.9
 2561.88     610 2732.67     610 3025.45  611.45 3253.18  610.58 3513.43     610
 3586.63     610 3714.72   602.9    4099   602.9  4163.5  579.87    4328  579.87
 4491.75   602.9 4743.73  612.39 4815.73  620.17 5067.71  629.66 5499.68  633.75
 5643.67  642.22 5931.65  652.05 6219.63  661.88 6363.62  666.08 6543.61   661.4
 6615.61  662.08 6795.59  667.34 6867.59  668.02 7083.57  666.51 7227.56  657.23
 7335.56  658.25 7371.55  667.11 7407.55  666.04 7659.53  668.42 7947.51  720.85
  8163.5   722.9

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4099     .15 4491.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4099 4491.75            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.59    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       551452.90   68349.27   384631.80
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            551452.90   68349.27   384631.80
  Q Total (cfs)           943900.50    Flow (cfs)             543784.50   79754.35   320361.70
  Top Width (ft)           8163.50    Top Width (ft)           4099.00     392.75    3671.75
  Vel Total (ft/s)            0.94    Avg. Vel. (ft/s)            0.99       1.17       0.83
  Max Chl Dpth (ft)         180.72    Hydr. Depth (ft)          134.53     174.03     104.75
  Conv. Total (cfs)       247432000.0    Conv. (cfs)            142546500.0   20906630.0   83978900.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4137.06     398.35    3717.18
  Min Ch El (ft)            579.87    Shear (lb/sq ft)            0.12       0.16       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.18       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30907.96    7617.19   48433.91
  C & E Loss (ft)                     Cum SA (acres)            250.89      42.79     374.30


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9602.52*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  735.04  190.69  732.32  258.29  720.45  355.14  708.48  387.43  712.89
  516.57  696.93  710.29  642.19  889.88  618.89 1162.29  611.59 1549.71  603.61
 1589.06  602.97 1678.86  603.36    1808  603.64 1904.86   602.8 1970.44   602.8
  2542.5     610    2712     610 3002.57   611.4 3228.57  610.56 3486.86     610
  3559.5     610 3686.63   602.8    4068   602.8    4132  579.84    4296  579.84
    4461   602.8 4716.36  612.31 4789.32  620.16 5044.69  629.67 5482.45  633.62
 5628.37  642.14 5920.22  651.98 6212.06  661.81 6357.98  666.01 6540.38  661.18
 6613.34  661.84 6795.75  667.08 6868.71  667.74 7087.59  666.12 7233.51  656.64
 7342.95  657.62 7379.43  666.59 7415.91  665.48 7671.27  667.79 7963.12  720.82
    8182   722.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4068     .15    4461     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4068    4461            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.59    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       547405.90   68405.41   390532.80
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            547405.90   68405.41   390532.80
  Q Total (cfs)           943899.50    Flow (cfs)             538991.00   79706.52   325202.00
  Top Width (ft)           8182.00    Top Width (ft)           4068.00     393.00    3721.00
  Vel Total (ft/s)            0.94    Avg. Vel. (ft/s)            0.98       1.17       0.83
  Max Chl Dpth (ft)         180.75    Hydr. Depth (ft)          134.56     174.06     104.95
  Conv. Total (cfs)       247822200.0    Conv. (cfs)            141512900.0   20927060.0   85382270.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4106.16     398.58    3766.59
```

```
  Min Ch El (ft)            579.84    Shear (lb/sq ft)            0.12       0.16       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.18       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30594.65    7578.20   48212.89
  C & E Loss (ft)                     Cum SA (acres)            248.56      42.57     372.20


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9577.68*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  734.86  189.23  732.59  256.32  720.73  352.44   708.6  384.48  712.65
  512.64  696.47  704.87   642.5  883.09  618.93 1153.43  611.61 1537.91  603.52
 1576.95  602.86 1666.06  603.24 1794.22  603.51 1890.34   602.7 1955.42   602.7
 2523.13     610 2691.33     610 2979.69  611.35 3203.97  610.54 3460.29     610
 3532.38     610 3658.53   602.7    4037   602.7  4100.5  579.81    4264  579.81
 4430.25   602.7 4688.99  612.22 4762.92  620.16 5021.66  629.68 5465.22  633.49
 5613.07  642.06 5908.78  651.91 6204.49  661.75 6352.34  665.94 6537.15  660.96
 6611.08  661.59  6795.9  666.83 6869.82  667.46  7091.6  665.72 7239.46  656.04
 7350.35  656.99 7387.31  666.07 7424.27  664.93 7683.01  667.15 7978.72  720.79
  8200.5   722.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4037     .15 4430.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4037 4430.25             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.59    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       543359.20   68461.59   396455.10
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            543359.20   68461.59   396455.10
  Q Total (cfs)           943898.40    Flow (cfs)             534194.90   79656.26   330047.20
  Top Width (ft)           8200.50    Top Width (ft)          4037.00     393.25    3770.25
  Vel Total (ft/s)            0.94    Avg. Vel. (ft/s)           0.98       1.16       0.83
  Max Chl Dpth (ft)         180.78    Hydr. Depth (ft)          134.59     174.09     105.15
  Conv. Total (cfs)       248220500.0    Conv. (cfs)            140479200.0   20947500.0   86793740.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4075.26     398.82    3816.00
  Min Ch El (ft)            579.81    Shear (lb/sq ft)           0.12       0.15       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.18       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30283.64    7539.17   47988.50
  C & E Loss (ft)                     Cum SA (acres)            246.25      42.35     370.06


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9552.84*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  734.68  187.78  732.87  254.35  721.01  349.73  708.71  381.52  712.41
   508.7  696.01  699.46  642.81  876.31  618.97 1144.57  611.63  1526.1  603.43
 1564.84  602.76 1653.27  603.12 1780.44  603.38 1875.83   602.6 1940.41   602.6
 2503.75     610 2670.67     610 2956.81   611.3 3179.37  610.52 3433.71     610
 3505.25     610 3630.44   602.6    4006   602.6    4069  579.78    4232  579.78
  4399.5   602.6 4661.62  612.14 4736.52  620.15 4998.64  629.69 5447.99  633.36
 5597.77  641.99 5897.34  651.84 6196.91  661.68  6346.7  665.87 6533.93  660.74
 6608.82  661.35 6796.05  666.58 6870.94  667.19 7095.62  665.32  7245.4  655.45
 7357.74  656.36 7395.19  665.55 7432.63  664.38 7694.75  666.52 7994.32  720.76
    8219   722.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4006     .15  4399.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4006  4399.5             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.59    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       539309.30   68517.82   402390.00
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            539309.30   68517.82   402390.00
  Q Total (cfs)           943897.30    Flow (cfs)             529400.80   79605.14   334891.30
  Top Width (ft)           8219.00    Top Width (ft)          4006.00     393.50    3819.50
  Vel Total (ft/s)            0.93    Avg. Vel. (ft/s)           0.98       1.16       0.83
  Max Chl Dpth (ft)         180.81    Hydr. Depth (ft)          134.63     174.12     105.35
  Conv. Total (cfs)       248622100.0    Conv. (cfs)            139443900.0   20967960.0   88210230.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4044.37     399.05    3865.41
  Min Ch El (ft)            579.78    Shear (lb/sq ft)           0.12       0.15       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.18       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29974.95    7500.12   47760.73
  C & E Loss (ft)                     Cum SA (acres)            243.96      42.12     367.90


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9528.00*

INPUT
Description:
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Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   734.5  186.33  733.14  252.38   721.3  347.02  708.83  378.57  712.18
  504.76  695.55  694.05  643.12  869.53  619.01 1135.71  611.66 1514.29  603.34
 1552.73  602.65 1640.48     603 1766.67  603.25 1861.31   602.5 1925.39   602.5
 2484.38     610    2650     610 2933.93  611.25 3154.76   610.5 3407.14     610
 3478.13     610 3602.34   602.5    3975   602.5  4037.5  579.75    4200  579.75
 4368.75   602.5 4634.25  612.06 4710.11  620.15 4975.61  629.71 5430.76  633.24
 5582.48  641.91 5885.91  651.76 6189.34  661.62 6341.05  665.79  6530.7  660.51
 6606.56   661.1  6796.2  666.32 6872.06  666.91 7099.63  664.93 7251.35  654.85
 7365.13  655.74 7403.06  665.03 7440.99  663.82 7706.49  665.88 8009.93  720.74
  8237.5   722.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3975     .15 4368.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3975 4368.75             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.59    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       535254.20   68574.19   408347.70
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            535254.20   68574.19   408347.70
  Q Total (cfs)           943896.30    Flow (cfs)             524599.90   79552.34   339744.10
  Top Width (ft)           8237.50    Top Width (ft)           3975.00     393.75     3868.75
  Vel Total (ft/s)            0.93    Avg. Vel. (ft/s)            0.98       1.16       0.83
  Max Chl Dpth (ft)         180.84    Hydr. Depth (ft)          134.66     174.16     105.55
  Conv. Total (cfs)       249030100.0    Conv. (cfs)            138406300.0   20988460.0   89635390.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4013.49     399.29     3914.82
  Min Ch El (ft)            579.75    Shear (lb/sq ft)            0.12       0.15       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.18       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29668.57    7461.03   47529.57
  C & E Loss (ft)                     Cum SA (acres)            241.68      41.90     365.70


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9503.16*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  734.32  184.88  733.41  250.41  721.58  344.32  708.95  375.62  711.94
  500.83  695.09  688.64  643.43  862.75  619.05 1126.86  611.68 1502.48  603.26
 1540.63  602.55 1627.68  602.88 1752.89  603.12 1846.79   602.4 1910.38   602.4
    2465     610 2629.33     610 2911.05   611.2 3130.16  610.48 3380.57     610
    3451     610 3574.25   602.4    3944   602.4    4006  579.72    4168  579.72
    4338   602.4 4606.88  611.98 4683.71  620.14 4952.59  629.72 5413.53  633.11
 5567.18  641.84 5874.47  651.69 6181.77  661.55 6335.41  665.72 6527.47  660.29
 6604.29  660.86 6796.35  666.07 6873.18  666.64 7103.65  664.53 7257.29  654.26
 7372.53  655.11 7410.94  664.51 7449.35  663.27 7718.23  665.25 8025.53  720.71
    8256   722.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3944     .15    4338     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3944    4338             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.59    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       531197.90   68630.52   414321.40
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            531197.90   68630.52   414321.40
  Q Total (cfs)           943895.20    Flow (cfs)             519800.50   79497.81   344596.90
  Top Width (ft)           8256.00    Top Width (ft)           3944.00     394.00     3918.00
  Vel Total (ft/s)            0.93    Avg. Vel. (ft/s)            0.98       1.16       0.83
  Max Chl Dpth (ft)         180.87    Hydr. Depth (ft)          134.69     174.19     105.75
  Conv. Total (cfs)       249443700.0    Conv. (cfs)            137368000.0   21008930.0   91066820.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3982.62     399.52     3964.23
  Min Ch El (ft)            579.72    Shear (lb/sq ft)            0.12       0.15       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.18       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29364.50    7421.91   47295.00
  C & E Loss (ft)                     Cum SA (acres)            239.43      41.67     363.48


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9478.32*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  734.14  183.42  733.69  248.44  721.87  341.61  709.07  372.67   711.7
  496.89  694.63  683.22  643.73  855.97  619.09    1118   611.7 1490.67  603.17
 1528.52  602.44 1614.89  602.76 1739.11  602.99 1832.28   602.3 1895.36   602.3
 2445.63     610 2608.67     610 2888.17  611.15 3105.56  610.46    3354     610
 3423.88     610 3546.16   602.3    3913   602.3  3974.5  579.69    4136  579.69
 4307.25   602.3 4579.51  611.89  4657.3  620.14 4929.56  629.73  5396.3  632.98
 5551.88  641.76 5863.03  651.62 6174.19  661.49 6329.77  665.65 6524.24  660.07
 6602.03  660.61  6796.5  665.82 6874.29  666.36 7107.66  664.13 7263.24  653.66
 7379.92  654.48 7418.82  663.99 7457.71  662.72 7729.98  664.61 8041.13  720.68
  8274.5   722.3

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3913     .15 4307.25     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3913 4307.25             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.59    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       527144.30   68687.01   420322.80
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            527144.30   68687.01   420322.80
  Q Total (cfs)           943894.10    Flow (cfs)             514996.80   79440.07   349457.30
  Top Width (ft)           8274.50    Top Width (ft)           3913.00     394.25     3967.25
  Vel Total (ft/s)            0.93    Avg. Vel. (ft/s)            0.98       1.16       0.83
  Max Chl Dpth (ft)         180.90    Hydr. Depth (ft)          134.72     174.22     105.95
  Conv. Total (cfs)       249868700.0    Conv. (cfs)            136330500.0   21029460.0   92508710.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3951.75     399.76    4013.65
  Min Ch El (ft)            579.69    Shear (lb/sq ft)            0.12       0.15       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.18       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29062.74    7382.76   47057.03
  C & E Loss (ft)                     Cum SA (acres)            237.19      41.45     361.24


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9453.48*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  733.96  181.97  733.96  246.48  722.15   338.9  709.18  369.71  711.46
  492.95  694.17  677.81  644.04  849.19  619.13 1109.14  611.72 1478.86  603.08
 1516.41  602.33  1602.1  602.64 1725.33  602.86 1817.76   602.2 1880.34   602.2
 2426.25     610    2588     610 2865.29   611.1 3080.95  610.44 3327.43     610
 3396.75     610 3518.06   602.2    3882   602.2    3943  579.66    4104  579.66
  4276.5   602.2 4552.14  611.81  4630.9  620.13 4906.54  629.74 5379.07  632.85
 5536.58  641.68  5851.6  651.55 6166.62  661.42 6324.13  665.58 6521.01  659.85
 6599.77  660.37 6796.66  665.56 6875.41  666.08 7111.68  663.74 7269.19  653.07
 7387.32  653.85  7426.7  663.47 7466.07  662.16 7741.72  663.98 8056.73  720.65
    8293   722.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3882     .15  4276.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3882  4276.5             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.59    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       523088.40   68743.53   426341.10
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            523088.40   68743.53   426341.10
  Q Total (cfs)           943893.10    Flow (cfs)             510193.90   79380.77   354318.50
  Top Width (ft)           8293.00    Top Width (ft)           3882.00     394.50     4016.50
  Vel Total (ft/s)            0.93    Avg. Vel. (ft/s)            0.98       1.15       0.83
  Max Chl Dpth (ft)         180.93    Hydr. Depth (ft)          134.75     174.25     106.15
  Conv. Total (cfs)       250299300.0    Conv. (cfs)            135292000.0   21050000.0   93957300.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3920.90     400.00    4063.06
  Min Ch El (ft)            579.66    Shear (lb/sq ft)            0.12       0.15       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.18       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28763.29    7343.57   46815.63
  C & E Loss (ft)                     Cum SA (acres)            234.96      41.22     358.96


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9428.64*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  733.78  180.52  734.24  244.51  722.43   336.2   709.3  366.76  711.22
  489.02  693.71   672.4  644.35  842.41  619.17 1100.29  611.74 1467.05  602.99
  1504.3  602.23  1589.3  602.52 1711.56  602.73 1803.25   602.1 1865.33   602.1
 2406.88     610 2567.33     610 2842.41  611.05 3056.35  610.42 3300.86     610
 3369.63     610 3489.97   602.1    3851   602.1  3911.5  579.63    4072  579.63
 4245.75   602.1 4524.77  611.73 4604.49  620.12 4883.52  629.75 5361.84  632.72
 5521.28  641.61 5840.16  651.48 6159.04  661.36 6318.49  665.51 6517.79  659.63
 6597.51  660.13 6796.81  665.31 6876.53  665.81 7115.69  663.34 7275.13  652.48
 7394.71  653.22 7434.57  662.94 7474.43  661.61 7753.46  663.34 8072.34  720.62
  8311.5   722.1

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3851     .15 4245.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3851 4245.75             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       519027.90   68800.10   432375.00
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            519027.90   68800.10   432375.00
  Q Total (cfs)           943891.90    Flow (cfs)             505391.10   79320.46   359180.30
  Top Width (ft)           8311.50    Top Width (ft)           3851.00     394.75     4065.75
  Vel Total (ft/s)            0.93    Avg. Vel. (ft/s)            0.97       1.15       0.83
  Max Chl Dpth (ft)         180.95    Hydr. Depth (ft)          134.78     174.29     106.35
  Conv. Total (cfs)       250733700.0    Conv. (cfs)            134251200.0   21070540.0   95412020.0
```

```
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3890.05     400.23    4112.47
  Min Ch El (ft)            579.63    Shear (lb/sq ft)            0.12       0.15       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.11       0.18       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28466.16    7304.35   46570.79
  C & E Loss (ft)                     Cum SA (acres)            232.76      41.00     356.66


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9403.80*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   733.6  179.06  734.51  242.54  722.72  333.49  709.42  363.81  710.99
  485.08  693.26  666.98  644.66  835.63  619.21 1091.43  611.77 1455.24   602.9
 1492.19  602.12 1576.51   602.4 1697.78   602.6 1788.73     602 1850.31     602
  2387.5     610 2546.67     610 2819.52     611 3031.75   610.4 3274.29     610
  3342.5     610 3461.88     602    3820     602    3880   579.6    4040   579.6
    4215     602  4497.4  611.65 4578.09  620.12 4860.49  629.76 5344.61  632.59
 5505.98  641.53 5828.73  651.41 6151.47  661.29 6312.84  665.44 6514.56  659.41
 6595.25  659.88 6796.96  665.06 6877.65  665.53 7119.71  662.94 7281.08  651.88
 7402.11  652.59 7442.45  662.42 7482.79  661.06  7765.2  662.71 8087.94  720.59
    8330     722

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3820     .15    4215     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3820    4215             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       514962.10   68856.77   438432.60
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            514962.10   68856.77   438432.60
  Q Total (cfs)           943890.90    Flow (cfs)             500582.50   79258.42   364050.00
  Top Width (ft)           8330.00    Top Width (ft)           3820.00     395.00    4115.00
  Vel Total (ft/s)            0.92    Avg. Vel. (ft/s)            0.97       1.15       0.83
  Max Chl Dpth (ft)         180.98    Hydr. Depth (ft)          134.81     174.32     106.55
  Conv. Total (cfs)       251174800.0    Conv. (cfs)            133207900.0   21091120.0   96875810.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3859.22     400.47    4161.88
  Min Ch El (ft)            579.60    Shear (lb/sq ft)            0.12       0.15       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.11       0.17       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28171.34    7265.11   46322.50
  C & E Loss (ft)                     Cum SA (acres)            230.57      40.77     354.32


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9378.96*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  733.42  177.61  734.79  240.57     723  330.79  709.54  360.86  710.75
  481.14   692.8  661.57  644.97  828.84  619.25 1082.57  611.79 1443.43  602.81
 1480.08  602.02 1563.71  602.28    1684  602.47 1774.21   601.9  1835.3   601.9
 2368.13     610    2526     610 2796.64  610.95 3007.14  610.38 3247.72     610
 3315.38     610 3433.78   601.9    3789   601.9  3848.5  579.57    4008  579.57
 4184.25   601.9 4470.03  611.56 4551.68  620.11 4837.47  629.78 5327.38  632.46
 5490.68  641.45 5817.29  651.34  6143.9  661.23  6307.2  665.36 6511.33  659.19
 6592.98  659.64 6797.11  664.81 6878.76  665.25 7123.72  662.54 7287.02  651.29
  7409.5  651.96 7450.33   661.9 7491.15  660.51 7776.94  662.07 8103.54  720.56
  8348.5   721.9

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3789     .15 4184.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3789 4184.25             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       510898.70   68913.50   444509.20
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            510898.70   68913.50   444509.20
  Q Total (cfs)           943889.80    Flow (cfs)             495777.50   79194.04   368918.30
  Top Width (ft)           8348.50    Top Width (ft)           3789.00     395.25    4164.25
  Vel Total (ft/s)            0.92    Avg. Vel. (ft/s)            0.97       1.15       0.83
  Max Chl Dpth (ft)         181.01    Hydr. Depth (ft)          134.84     174.35     106.74
  Conv. Total (cfs)       251624100.0    Conv. (cfs)            132165400.0   21111710.0   98347000.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3828.39     400.71    4211.30
  Min Ch El (ft)            579.57    Shear (lb/sq ft)            0.12       0.15       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.11       0.17       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27878.85    7225.82   46070.75
  C & E Loss (ft)                     Cum SA (acres)            228.40      40.55     351.96


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9354.12*

INPUT
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Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  733.24  176.16  735.06   238.6  723.29  328.08  709.66   357.9  710.51
  477.21  692.34  656.16  645.27  822.06  619.28 1073.71  611.81 1431.62  602.72
 1467.97  601.91 1550.92  602.16 1670.22  602.34  1759.7   601.8 1820.28   601.8
 2348.75     610 2505.33     610 2773.76   610.9 2982.54  610.36 3221.14     610
 3288.25     610 3405.69   601.8    3758   601.8    3817  579.54    3976  579.54
  4153.5   601.8 4442.66  611.48 4525.28  620.11 4814.44  629.79 5310.15  632.33
 5475.38  641.38 5805.85  651.27 6136.32  661.16 6301.56  665.29  6508.1  658.97
 6590.72  659.39 6797.26  664.55 6879.88  664.98 7127.74  662.15 7292.97  650.69
  7416.9  651.33 7458.21  661.38 7499.51  659.95 7788.68  661.44 8119.15  720.53
    8367   721.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3758     .15  4153.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3758  4153.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.60    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)           24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       506837.80   68970.32   450603.10
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            506837.80   68970.32   450603.10
  Q Total (cfs)           943888.70    Flow (cfs)             490977.90   79127.60   373783.10
  Top Width (ft)           8367.00    Top Width (ft)           3758.00     395.50    4213.50
  Vel Total (ft/s)            0.92    Avg. Vel. (ft/s)            0.97       1.15       0.83
  Max Chl Dpth (ft)         181.04    Hydr. Depth (ft)          134.87     174.39     106.94
  Conv. Total (cfs)       252081100.0    Conv. (cfs)            131123800.0   21132340.0   99824980.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3797.57     400.95    4260.71
  Min Ch El (ft)            579.54    Shear (lb/sq ft)           0.12       0.15       0.09
  Alpha                       1.03    Stream Power (lb/ft s)     0.11       0.17       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27588.66    7186.51   45815.53
  C & E Loss (ft)                     Cum SA (acres)            226.25      40.32     349.57


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9329.28*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  733.06   174.7  735.34  236.63  723.57  325.37  709.77  354.95  710.27
  473.27  691.88  650.75  645.58  815.28  619.32 1064.86  611.83 1419.81  602.63
 1455.86   601.8 1538.13  602.04 1656.44  602.21 1745.18   601.7 1805.27   601.7
 2329.38     610 2484.67     610 2750.88  610.85 2957.94  610.34 3194.57     610
 3261.13     610 3377.59   601.7    3727   601.7  3785.5  579.51    3944  579.51
 4122.75   601.7 4415.29   611.4 4498.88   620.1 4791.42   629.8 5292.92   632.2
 5460.08   641.3 5794.42   651.2 6128.75   661.1 6295.92  665.22 6504.88  658.75
 6588.46  659.15 6797.42   664.3    6881   664.7 7131.75  661.75 7298.92   650.1
 7424.29   650.7 7466.08  660.86 7507.88   659.4 7800.42   660.8 8134.75   720.5
  8385.5   721.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3727     .15 4122.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3727 4122.75            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.60    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)           24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       502771.30   69027.16   456719.00
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            502771.30   69027.16   456719.00
  Q Total (cfs)           943887.60    Flow (cfs)             486174.50   79059.54   378653.50
  Top Width (ft)           8385.50    Top Width (ft)           3727.00     395.75    4262.75
  Vel Total (ft/s)            0.92    Avg. Vel. (ft/s)            0.97       1.15       0.83
  Max Chl Dpth (ft)         181.07    Hydr. Depth (ft)          134.90     174.42     107.14
  Conv. Total (cfs)       252544000.0    Conv. (cfs)            130079500.0   21152950.0   101311500.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3766.77     401.19    4310.13
  Min Ch El (ft)            579.51    Shear (lb/sq ft)           0.12       0.15       0.09
  Alpha                       1.03    Stream Power (lb/ft s)     0.11       0.17       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27300.80    7147.16   45556.83
  C & E Loss (ft)                     Cum SA (acres)            224.12      40.10     347.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9304.44*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  732.88  173.25  735.61  234.67  723.85  322.67  709.89     352  710.04
  469.33  691.42  645.33  645.89   808.5  619.36    1056  611.85    1408  602.55
 1443.75   601.7 1525.33  601.92 1642.67  602.08 1730.67   601.6 1790.25   601.6
    2310     610    2464     610    2728   610.8 2933.33  610.32    3168     610
    3234     610  3349.5   601.6    3696   601.6    3754  579.48    3912  579.48
    4092   601.6 4387.92  611.32 4472.47  620.09 4768.39  629.81 5275.69  632.07
 5444.78  641.22 5782.98  651.13 6121.18  661.04 6290.27  665.15 6501.65  658.53
  6586.2  658.91 6797.57  664.05 6882.12  664.42 7135.76  661.35 7304.86  649.51
 7431.69  650.07 7473.96  660.34 7516.23  658.85 7812.16  660.16 8150.35  720.47
    8404   721.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
```

```
       0     .15    3696     .15    4092     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3696    4092            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.60    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       498700.60   69084.11   462854.70
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            498700.60   69084.11   462854.70
  Q Total (cfs)           943886.40    Flow (cfs)              481370.20   78990.08   383526.20
  Top Width (ft)           8404.00    Top Width (ft)           3696.00     396.00    4312.00
  Vel Total (ft/s)            0.92    Avg. Vel. (ft/s)            0.97       1.14       0.83
  Max Chl Dpth (ft)         181.10    Hydr. Depth (ft)          134.93     174.45     107.34
  Conv. Total (cfs)       253012600.0    Conv. (cfs)            129033300.0   21173620.0   102805800.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3735.97     401.43    4359.55
  Min Ch El (ft)            579.48    Shear (lb/sq ft)            0.12       0.15       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.11       0.17       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27015.26    7107.78   45294.64
  C & E Loss (ft)                     Cum SA (acres)            222.00      39.87     344.71


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9279.60*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   732.7   171.8  735.88   232.7  724.14  319.96  710.01  349.05   709.8
   465.4  690.96  639.92   646.2  801.72   619.4 1047.14  611.88 1396.19  602.46
 1431.64  601.59 1512.54   601.8 1628.89  601.95 1716.15   601.5 1775.23   601.5
 2290.63     610 2443.33     610 2705.12  610.75 2908.73   610.3 3141.43     610
 3206.88     610 3321.41   601.5    3665   601.5  3722.5  579.45    3880  579.45
 4061.25   601.5 4360.55  611.24 4446.07  620.09 4745.37  629.82 5258.46  631.94
 5429.49  641.15 5771.54  651.06  6113.6  660.97 6284.63  665.08 6498.42  658.31
 6583.93  658.66 6797.72  663.79 6883.24  664.15 7139.78  660.96 7310.81  648.91
 7439.08  649.44 7481.84  659.82  7524.6  658.29  7823.9  659.53 8165.96  720.44
  8422.5   721.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3665     .15 4061.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3665 4061.25            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       494627.10   69141.10   469007.30
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            494627.10   69141.10   469007.30
  Q Total (cfs)           943885.30    Flow (cfs)              476568.30   78919.26   388397.70
  Top Width (ft)           8422.50    Top Width (ft)           3665.00     396.25    4361.25
  Vel Total (ft/s)            0.91    Avg. Vel. (ft/s)            0.96       1.14       0.83
  Max Chl Dpth (ft)         181.13    Hydr. Depth (ft)          134.96     174.49     107.54
  Conv. Total (cfs)       253486600.0    Conv. (cfs)            127985500.0   21194280.0   104306700.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3705.18     401.67    4408.96
  Min Ch El (ft)            579.45    Shear (lb/sq ft)            0.12       0.15       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.11       0.17       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26732.04    7068.37   45028.95
  C & E Loss (ft)                     Cum SA (acres)            219.90      39.64     342.24


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9254.76*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  732.32  170.34  736.16  230.73  724.42  317.25  710.13   346.1  709.56
  461.46   690.5  634.51  646.51  794.94  619.44 1038.29   611.9 1384.38  602.37
 1419.53  601.49 1499.75  601.68 1615.11  601.82 1701.64   601.4 1760.22   601.4
 2271.25     610 2422.67     610 2682.24   610.7 2884.13  610.28 3114.86     610
 3179.75     610 3293.31   601.4    3634   601.4    3691  579.42    3848  579.42
  4030.5   601.4 4333.18  611.15 4419.66  620.08 4722.34  629.84 5241.23  631.81
 5414.19  641.07 5760.11  650.99 6106.03  660.91 6278.99     665 6495.19  658.09
 6581.67  658.42 6797.87  663.54 6884.35  663.87 7143.79  660.56 7316.75  648.32
 7446.48  648.81 7489.72   659.3 7532.96  657.74 7835.64  658.89 8181.56  720.41
    8441   721.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3634     .15  4030.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3634  4030.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       490553.80   69198.16   475181.80
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            490553.80   69198.16   475181.80
  Q Total (cfs)           943884.10    Flow (cfs)              471768.30   78846.16   393269.70
  Top Width (ft)           8441.00    Top Width (ft)           3634.00     396.50    4410.50
  Vel Total (ft/s)            0.91    Avg. Vel. (ft/s)            0.96       1.14       0.83
  Max Chl Dpth (ft)         181.16    Hydr. Depth (ft)          134.99     174.52     107.74
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  Conv. Total (cfs)       253968800.0    Conv. (cfs)            126937700.0   21214960.0   105816200.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3674.40     401.91    4458.38
  Min Ch El (ft)            579.42    Shear (lb/sq ft)            0.12       0.15       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.11       0.17       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26451.14    7028.93   44759.73
  C & E Loss (ft)                     Cum SA (acres)            217.82      39.42     339.74


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9229.92*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  732.34  168.89  736.43  228.76  724.71  314.55  710.24  343.14  709.32
  457.52  690.04   629.1  646.82  788.16  619.48 1029.43  611.92 1372.57  602.28
 1407.42  601.38 1486.95  601.56 1601.33  601.69 1687.12   601.3  1745.2   601.3
 2251.88     610    2402     610 2659.36  610.65 2859.52  610.26 3088.29     610
 3152.63     610 3265.22   601.3    3603   601.3  3659.5  579.39    3816  579.39
 3999.75   601.3 4305.81  611.07 4393.26  620.08 4699.32  629.85    5224  631.68
 5398.89  640.99 5748.67  650.92 6098.46  660.84 6273.35  664.93 6491.96  657.87
 6579.41  658.17 6798.02  663.29 6885.47  663.59 7147.81  660.16  7322.7  647.72
 7453.87  648.18 7497.59  658.78 7541.32  657.19 7847.38  658.26 8197.16  720.38
  8459.5   721.3

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3603     .15 3999.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3603 3999.75            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       486480.70   69255.32   481376.90
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            486480.70   69255.32   481376.90
  Q Total (cfs)           943883.00    Flow (cfs)             466971.20   78771.03   398140.80
  Top Width (ft)           8459.50    Top Width (ft)           3603.00     396.75    4459.75
  Vel Total (ft/s)            0.91    Avg. Vel. (ft/s)            0.96       1.14       0.83
  Max Chl Dpth (ft)         181.19    Hydr. Depth (ft)          135.02     174.56     107.94
  Conv. Total (cfs)       254459100.0    Conv. (cfs)            125889600.0   21235690.0   107333800.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3643.64     402.15    4507.80
  Min Ch El (ft)            579.39    Shear (lb/sq ft)            0.11       0.15       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.11       0.17       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26172.56    6989.45   44487.00
  C & E Loss (ft)                     Cum SA (acres)            215.76      39.19     337.21


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9205.08*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  732.16  167.44  736.71  226.79  724.99  311.84  710.36  340.19  709.09
  453.59  689.58  623.68  647.12  781.38  619.52 1020.57  611.94 1360.76  602.19
 1395.31  601.27 1474.16  601.44 1587.56  601.56  1672.6   601.2 1730.19   601.2
  2232.5     610 2381.33     610 2636.48   610.6 2834.92  610.24 3061.71     610
  3125.5     610 3237.13   601.2    3572   601.2    3628  579.36    3784  579.36
    3969   601.2 4278.44  610.99 4366.85  620.07 4676.29  629.86 5206.77  631.55
 5383.59  640.92 5737.24  650.85 6090.88  660.78 6267.71  664.86 6488.74  657.65
 6577.15  657.93 6798.18  663.04 6886.59  663.32 7151.82  659.76 7328.65  647.13
 7461.26  647.55 7505.47  658.25 7549.68  656.64 7859.12  657.62 8212.76  720.35
    8478   721.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3572     .15    3969     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3572    3969            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       482405.10   69312.51   487586.60
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            482405.10   69312.51   487586.60
  Q Total (cfs)           943881.90    Flow (cfs)             462179.30   78694.78   403007.80
  Top Width (ft)           8478.00    Top Width (ft)           3572.00     397.00    4509.00
  Vel Total (ft/s)            0.91    Avg. Vel. (ft/s)            0.96       1.14       0.83
  Max Chl Dpth (ft)         181.22    Hydr. Depth (ft)          135.05     174.59     108.14
  Conv. Total (cfs)       254953800.0    Conv. (cfs)            124840100.0   21256400.0   108857200.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3612.89     402.39    4557.21
  Min Ch El (ft)            579.36    Shear (lb/sq ft)            0.11       0.15       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.11       0.17       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25896.31    6949.94   44210.72
  C & E Loss (ft)                     Cum SA (acres)            213.71      38.97     334.65


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9180.24*
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```
INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  731.98  165.98  736.98  224.83  725.27  309.13  710.48  337.24  708.85
  449.65  689.12  618.27  647.43  774.59  619.56 1011.71  611.96 1348.95   602.1
  1383.2  601.17 1461.37  601.32 1573.78  601.43 1658.09   601.1 1715.17   601.1
 2213.13     610 2360.67     610  2613.6  610.55 2810.32  610.22 3035.14     610
 3098.38     610 3209.03   601.1    3541   601.1  3596.5  579.33    3752  579.33
 3938.25   601.1 4251.07  610.91 4340.45  620.06 4653.27  629.87 5189.53  631.42
 5368.29  640.84  5725.8  650.78 6083.31  660.71 6262.06  664.79 6485.51  657.43
 6574.88  657.69 6798.33  662.78 6887.71  663.04 7155.84  659.37 7334.59  646.54
 7468.66  646.92 7513.35  657.73 7558.04  656.08 7870.86  656.99 8228.37  720.32
  8496.5   721.1

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3541     .15 3938.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3541 3938.25             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       478327.80   69369.80   493821.30
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            478327.80   69369.80   493821.30
  Q Total (cfs)           943880.70    Flow (cfs)             457386.70   78616.24   407877.80
  Top Width (ft)           8496.50    Top Width (ft)          3541.00     397.25    4558.25
  Vel Total (ft/s)            0.91    Avg. Vel. (ft/s)           0.96       1.13       0.83
  Max Chl Dpth (ft)         181.25    Hydr. Depth (ft)         135.08     174.63     108.34
  Conv. Total (cfs)       255457400.0    Conv. (cfs)           123789800.0   21277160.0   110390400.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)        3582.14     402.63    4606.63
  Min Ch El (ft)            579.33    Shear (lb/sq ft)           0.11       0.15       0.09
  Alpha                       1.03    Stream Power (lb/ft s)     0.11       0.17       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25622.38    6910.40   43930.90
  C & E Loss (ft)                     Cum SA (acres)            211.68      38.74     332.07

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9155.4*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   731.8  164.53  737.26  222.86  725.56  306.43   710.6  334.29  708.61
  445.71  688.66  612.86  647.74  767.81   619.6 1002.86  611.99 1337.14  602.01
 1371.09  601.06 1448.57   601.2    1560   601.3 1643.57     601 1700.16     601
 2193.75     610    2340     610 2590.71   610.5 2785.71   610.2 3008.57     610
 3071.25     610 3180.94     601    3510     601    3565   579.3    3720   579.3
  3907.5     601  4223.7  610.82 4314.04  620.06 4630.25  629.88  5172.3  631.29
 5352.99  640.76 5714.36  650.71 6075.74  660.65 6256.42  664.72 6482.28  657.21
 6572.62  657.44 6798.48  662.53 6888.82  662.76 7159.85  658.97 7340.54  645.94
 7476.05  646.29 7521.23  657.21  7566.4  655.53  7882.6  656.35 8243.97  720.29
    8515     721

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3510     .15  3907.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3510  3907.5             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       474243.80   69427.13   500077.40
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            474243.80   69427.13   500077.40
  Q Total (cfs)           943879.60    Flow (cfs)             452592.00   78536.45   412751.20
  Top Width (ft)           8515.00    Top Width (ft)          3510.00     397.50    4607.50
  Vel Total (ft/s)            0.90    Avg. Vel. (ft/s)           0.95       1.13       0.83
  Max Chl Dpth (ft)         181.28    Hydr. Depth (ft)         135.11     174.66     108.54
  Conv. Total (cfs)       255966100.0    Conv. (cfs)           122736200.0   21297920.0   111932000.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)        3551.41     402.88    4656.05
  Min Ch El (ft)            579.30    Shear (lb/sq ft)           0.11       0.15       0.09
  Alpha                       1.03    Stream Power (lb/ft s)     0.11       0.17       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25350.78    6870.83   43647.52
  C & E Loss (ft)                     Cum SA (acres)            209.67      38.51     329.45

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9130.56*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  731.62  163.08  737.53  220.89  725.84  303.72  710.72  331.33  708.37
  441.78   688.2  607.44  648.05  761.03  619.64     994  612.01 1325.33  601.92
 1358.98  600.95 1435.78  601.08 1546.22  601.17 1629.06   600.9 1685.14   600.9
 2174.38     610 2319.33     610 2567.83  610.45 2761.11  610.18    2982     610
 3044.12     610 3152.84   600.9    3479   600.9  3533.5  579.27    3688  579.27
 3876.75   600.9 4196.33  610.74 4287.64  620.05 4607.22  629.89 5155.07  631.16
 5337.69  640.69 5702.93  650.64 6068.16  660.58 6250.78  664.65 6479.05  656.99
 6570.36   657.2 6798.63  662.28 6889.94  662.49 7163.87  658.57 7346.49  645.35
 7483.45  645.66  7529.1  656.69 7574.76  654.98 7894.34  655.72 8259.57  720.26
  8533.5   720.9

Manning's n Values        num=       3
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     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3479     .15 3876.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3479 3876.75            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       470162.90   69484.50   506344.80
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            470162.90   69484.50   506344.80
  Q Total (cfs)           943878.40    Flow (cfs)             447810.30   78455.21   417612.90
  Top Width (ft)           8533.50    Top Width (ft)           3479.00     397.75    4656.75
  Vel Total (ft/s)            0.90    Avg. Vel. (ft/s)            0.95       1.13       0.82
  Max Chl Dpth (ft)         181.31    Hydr. Depth (ft)          135.14     174.69     108.73
  Conv. Total (cfs)       256480700.0    Conv. (cfs)            121683800.0   21318680.0   113478200.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3520.69     403.12    4705.47
  Min Ch El (ft)            579.27    Shear (lb/sq ft)            0.11       0.15       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.11       0.16       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25081.51    6831.22   43360.56
  C & E Loss (ft)                     Cum SA (acres)            207.68      38.29     326.81


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9105.72*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  731.44  161.62   737.8  218.92  726.13  301.02  710.83  328.38  708.14
  437.84  687.74  602.03  648.36  754.25  619.68  985.14  612.03 1313.52  601.84
 1346.88  600.85 1422.98  600.96 1532.44  601.04 1614.54   600.8 1670.12   600.8
    2155     610 2298.67     610 2544.95   610.4 2736.51  610.16 2955.43     610
    3017     610 3124.75   600.8    3448   600.8    3502  579.24    3656  579.24
    3846   600.8 4168.96  610.66 4261.24  620.05  4584.2  629.91 5137.84  631.04
 5322.39  640.61 5691.49  650.56 6060.59  660.52 6245.14  664.57 6475.82  656.76
  6568.1  656.95 6798.78  662.02 6891.06  662.21 7167.88  658.18 7352.43  644.75
 7490.84  645.04 7536.98  656.17 7583.12  654.42 7906.08  655.08 8275.18  720.24
    8552   720.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3448     .15    3846     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3448    3846            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       466077.00   69542.02   512635.60
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            466077.00   69542.02   512635.60
  Q Total (cfs)           943877.30    Flow (cfs)             443027.00   78372.45   422477.90
  Top Width (ft)           8552.00    Top Width (ft)           3448.00     398.00    4706.00
  Vel Total (ft/s)            0.90    Avg. Vel. (ft/s)            0.95       1.13       0.82
  Max Chl Dpth (ft)         181.34    Hydr. Depth (ft)          135.17     174.73     108.93
  Conv. Total (cfs)       257002000.0    Conv. (cfs)            120628800.0   21339510.0   115033700.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3489.98     403.36    4754.89
  Min Ch El (ft)            579.24    Shear (lb/sq ft)            0.11       0.15       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.11       0.16       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24814.56    6791.58   43070.03
  C & E Loss (ft)                     Cum SA (acres)            205.70      38.06     324.14


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9080.88*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  731.26  160.17  738.08  216.95  726.41  298.31  710.95  325.43   707.9
   433.9  687.28  596.62  648.66  747.47  619.72  976.29  612.05 1301.71  601.75
 1334.77  600.74 1410.19  600.84 1518.67  600.91 1600.02   600.7 1655.11   600.7
 2135.62     610    2278     610 2522.07  610.35  2711.9  610.14 2928.86     610
 2989.87     610 3096.66   600.7    3417   600.7  3470.5  579.21    3624  579.21
 3815.25   600.7 4141.59  610.58 4234.83  620.04 4561.17  629.92 5120.61  630.91
 5307.09  640.54 5680.05  650.49 6053.01  660.45  6239.5   664.5  6472.6  656.54
 6565.84  656.71 6798.94  661.77 6892.18  661.94  7171.9  657.78 7358.38  644.16
 7498.24  644.41 7544.86  655.65 7591.48  653.87 7917.82  654.45 8290.78  720.21
  8570.5   720.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3417     .15 3815.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3417 3815.25            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       461992.50   69599.52   518941.60
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            461992.50   69599.52   518941.60
  Q Total (cfs)           943876.10    Flow (cfs)             438253.10   78288.01   427335.00
  Top Width (ft)           8570.50    Top Width (ft)           3417.00     398.25    4755.25
  Vel Total (ft/s)            0.90    Avg. Vel. (ft/s)            0.95       1.12       0.82
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  Max Chl Dpth (ft)          181.37    Hydr. Depth (ft)          135.20     174.76     109.13
  Conv. Total (cfs)        257529700.0    Conv. (cfs)            119574200.0   21360310.0   116595200.0
  Length Wtd. (ft)            24.84    Wetted Per. (ft)         3459.29     403.61    4804.31
  Min Ch El (ft)             579.21    Shear (lb/sq ft)            0.11       0.14       0.09
  Alpha                        1.03    Stream Power (lb/ft s)      0.11       0.16       0.07
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    24549.95    6751.91   42775.90
  C & E Loss (ft)                      Cum SA (acres)            203.75      37.83     321.44


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9056.04*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  731.08  158.72  738.35  214.98  726.69   295.6  711.07  322.48  707.66
  429.97  686.83  591.21  648.97  740.69  619.76  967.43  612.08  1289.9  601.66
 1322.66  600.64  1397.4  600.72 1504.89  600.78 1585.51   600.6 1640.09   600.6
 2116.25     610 2257.33     610 2499.19   610.3  2687.3  610.12 2902.29     610
 2962.75     610 3068.56   600.6    3386   600.6    3439  579.18    3592  579.18
  3784.5   600.6 4114.22  610.49 4208.43  620.04 4538.15  629.93 5103.38  630.78
 5291.79  640.46 5668.62  650.42 6045.44  660.39 6233.85  664.43 6469.37  656.32
 6563.57  656.46 6799.09  661.52 6893.29  661.66 7175.91  657.38 7364.32  643.56
 7505.63  643.78 7552.74  655.13 7599.84  653.32 7929.56  653.81 8306.38  720.18
    8589   720.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3386     .15  3784.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3386  3784.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)             760.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             760.58    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                       Flow Area (sq ft)       457901.30   69657.17   525277.20
  E.G. Slope (ft/ft)       0.000013    Area (sq ft)            457901.30   69657.17   525277.20
  Q Total (cfs)            943874.90    Flow (cfs)             433473.10   78201.55   432200.20
  Top Width (ft)            8589.00    Top Width (ft)            3386.00     398.50    4804.50
  Vel Total (ft/s)             0.90    Avg. Vel. (ft/s)             0.95       1.12       0.82
  Max Chl Dpth (ft)          181.40    Hydr. Depth (ft)          135.23     174.80     109.33
  Conv. Total (cfs)        258065900.0    Conv. (cfs)            118516400.0   21381170.0   118168300.0
  Length Wtd. (ft)            24.84    Wetted Per. (ft)         3428.61     403.85    4853.73
  Min Ch El (ft)             579.18    Shear (lb/sq ft)            0.11       0.14       0.09
  Alpha                        1.03    Stream Power (lb/ft s)      0.11       0.16       0.07
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    24287.66    6712.20   42478.17
  C & E Loss (ft)                      Cum SA (acres)            201.81      37.61     318.72


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9031.2*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   730.9  157.27  738.63  213.02  726.98   292.9  711.19  319.52  707.42
  426.03  686.37  585.79  649.28  733.91   619.8  958.57   612.1  1278.1  601.57
 1310.55  600.53  1384.6   600.6 1491.11  600.65 1570.99   600.5 1625.08   600.5
 2096.87     610 2236.67     610 2476.31  610.25  2662.7   610.1 2875.71     610
 2935.62     610 3040.47   600.5    3355   600.5  3407.5  579.15    3560  579.15
 3753.75   600.5 4086.85  610.41 4182.02  620.03 4515.12  629.94 5086.15  630.65
  5276.5  640.38 5657.18  650.35 6037.87  660.32 6228.21  664.36 6466.14   656.1
 6561.31  656.22 6799.24  661.26 6894.41  661.38 7179.93  656.99 7370.27  642.97
 7513.03  643.15 7560.61  654.61  7608.2  652.76  7941.3  653.18 8321.99  720.15
  8607.5   720.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3355     .15 3753.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3355 3753.75            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)             760.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             760.58    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                       Flow Area (sq ft)       453811.10   69714.81   531628.80
  E.G. Slope (ft/ft)       0.000013    Area (sq ft)            453811.10   69714.81   531628.80
  Q Total (cfs)            943873.70    Flow (cfs)             428702.30   78113.39   437058.00
  Top Width (ft)            8607.50    Top Width (ft)            3355.00     398.75    4853.75
  Vel Total (ft/s)             0.89    Avg. Vel. (ft/s)             0.94       1.12       0.82
  Max Chl Dpth (ft)          181.43    Hydr. Depth (ft)          135.26     174.83     109.53
  Conv. Total (cfs)        258608600.0    Conv. (cfs)            117458600.0   21402010.0   119748000.0
  Length Wtd. (ft)            24.84    Wetted Per. (ft)         3397.94     404.10    4903.15
  Min Ch El (ft)             579.15    Shear (lb/sq ft)            0.11       0.14       0.09
  Alpha                        1.03    Stream Power (lb/ft s)      0.10       0.16       0.07
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    24027.71    6672.47   42176.82
  C & E Loss (ft)                      Cum SA (acres)            199.89      37.38     315.96


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9006.35*
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INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  730.72  155.81   738.9  211.05  727.26  290.19   711.3  316.57  707.18
   422.1  685.91  580.38  649.59  727.12  619.84  949.71  612.12 1266.29  601.48
 1298.44  600.42 1371.81  600.48 1477.33  600.52 1556.48   600.4 1610.06   600.4
  2077.5     610    2216     610 2453.43   610.2 2638.09  610.08 2849.14     610
  2908.5     610 3012.37   600.4    3324   600.4    3376  579.12    3528  579.12
    3723   600.4 4059.48  610.33 4155.62  620.02  4492.1  629.95 5068.92  630.52
  5261.2  640.31 5645.75  650.28 6030.29  660.26 6222.57  664.29 6462.91  655.88
 6559.05  655.98 6799.39  661.01 6895.53  661.11 7183.94  656.59 7376.22  642.38
 7520.42  642.52 7568.49  654.08 7616.56  652.21 7953.04  652.54 8337.59  720.12
    8626   720.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3324     .15    3723     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3324    3723             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.59    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)             24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       449721.30   69772.59   537995.80
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            449721.30   69772.59   537995.80
  Q Total (cfs)           943872.50    Flow (cfs)             423941.10   78023.93   441907.40
  Top Width (ft)           8626.00    Top Width (ft)           3324.00     399.00     4903.00
  Vel Total (ft/s)            0.89    Avg. Vel. (ft/s)            0.94       1.12       0.82
  Max Chl Dpth (ft)         181.46    Hydr. Depth (ft)          135.30     174.87     109.73
  Conv. Total (cfs)       259157600.0    Conv. (cfs)            116400800.0   21422910.0   121333800.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3367.29     404.34     4952.57
  Min Ch El (ft)            579.12    Shear (lb/sq ft)            0.11       0.14       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.10       0.16       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23770.09    6632.69   41871.84
  C & E Loss (ft)                     Cum SA (acres)            197.98      37.15     313.18


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8981.52*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  730.54  154.36  739.18  209.08  727.55  287.48  711.42  313.62  706.95
  418.16  685.45  574.97   649.9  720.34  619.88  940.86  612.14 1254.48  601.39
 1286.33  600.32 1359.02  600.36 1463.56  600.39 1541.96   600.3 1595.05   600.3
 2058.12     610 2195.33     610 2430.55  610.15 2613.49  610.06 2822.57     610
 2881.37     610 2984.28   600.3    3293   600.3  3344.5  579.09    3496  579.09
 3692.25   600.3 4032.11  610.25 4129.21  620.02 4469.07  629.96 5051.69  630.39
  5245.9  640.23 5634.31  650.21 6022.72  660.19 6216.93  664.22 6459.68  655.66
 6556.79  655.73 6799.54  660.76 6896.65  660.83 7187.96  656.19 7382.16  641.78
 7527.82  641.89 7576.37  653.56 7624.92  651.66 7964.78  651.91 8353.19  720.09
  8644.5   720.3

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3293     .15 3692.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3293 3692.25             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.59    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.57    Reach Len. (ft)             24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       445625.90   69830.38   544386.40
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            445625.90   69830.38   544386.40
  Q Total (cfs)           943871.30    Flow (cfs)             419179.30   77932.84   446759.10
  Top Width (ft)           8644.50    Top Width (ft)           3293.00     399.25     4952.25
  Vel Total (ft/s)            0.89    Avg. Vel. (ft/s)            0.94       1.12       0.82
  Max Chl Dpth (ft)         181.48    Hydr. Depth (ft)          135.33     174.90     109.93
  Conv. Total (cfs)       259713100.0    Conv. (cfs)            115340200.0   21443790.0   122929000.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3336.65     404.59     5001.99
  Min Ch El (ft)            579.09    Shear (lb/sq ft)            0.11       0.14       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.10       0.16       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23514.81    6592.89   41563.23
  C & E Loss (ft)                     Cum SA (acres)            196.09      36.92     310.37


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8956.68*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  730.36  152.91  739.45  207.11  727.83  284.78  711.54  310.67  706.71
  414.22  684.99  569.56  650.21  713.56  619.92     932  612.16 1242.67   601.3
 1274.22  600.21 1346.22  600.24 1449.78  600.26 1527.44   600.2 1580.03   600.2
 2038.75     610 2174.67     610 2407.67   610.1 2588.89  610.04    2796     610
 2854.25     610 2956.19   600.2    3262   600.2    3313  579.06    3464  579.06
  3661.5   600.2 4004.74  610.16 4102.81  620.01 4446.05  629.98 5034.46  630.26
  5230.6  640.15 5622.87  650.14 6015.15  660.13 6211.28  664.14 6456.46  655.44
 6554.52  655.49  6799.7  660.51 6897.76  660.55 7191.97  655.79 7388.11  641.19
 7535.21  641.26 7584.25  653.04 7633.28  651.11 7976.52  651.27 8368.79  720.06
    8663   720.2
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3262     .15  3661.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3262  3661.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.57    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       441531.80   69888.28   550796.70
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            441531.80   69888.28   550796.70
  Q Total (cfs)           943870.10    Flow (cfs)              414425.90   77839.87   451604.40
  Top Width (ft)           8663.00    Top Width (ft)           3262.00     399.50    5001.50
  Vel Total (ft/s)            0.89    Avg. Vel. (ft/s)            0.94       1.11       0.82
  Max Chl Dpth (ft)         181.51    Hydr. Depth (ft)          135.36     174.94     110.13
  Conv. Total (cfs)       260276700.0    Conv. (cfs)            114279900.0   21464710.0   124532100.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3306.02     404.84    5051.41
  Min Ch El (ft)            579.06    Shear (lb/sq ft)           0.11       0.14       0.09
  Alpha                       1.03    Stream Power (lb/ft s)     0.10       0.16       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23261.86    6553.05   41250.97
  C & E Loss (ft)                     Cum SA (acres)            194.23      36.69     307.53


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8931.84*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  730.18  151.45  739.73  205.14  728.11  282.07  711.66  307.71  706.47
  410.29  684.53  564.14  650.51  706.78  619.96  923.14  612.19 1230.86  601.21
 1262.11  600.11 1333.43  600.12    1436  600.13 1512.93   600.1 1565.02   600.1
 2019.37     610    2154     610 2384.79  610.05 2564.29  610.02 2769.43     610
 2827.12     610 2928.09   600.1    3231   600.1  3281.5  579.03    3432  579.03
 3630.75   600.1 3977.37  610.08  4076.4  620.01 4423.02  629.99 5017.23  630.13
  5215.3  640.08 5611.44  650.07 6007.57  660.06 6205.64  664.07 6453.23  655.22
 6552.26  655.24 6799.85  660.25 6898.88  660.28 7195.99   655.4 7394.05  640.59
 7542.61  640.63 7592.12  652.52 7641.64  650.55 7988.26  650.64  8384.4  720.03
  8681.5   720.1

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3231     .15 3630.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3231 3630.75            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.57    Reach Len. (ft)            24.84      24.84      24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       437433.20   69946.20   557223.20
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            437433.20   69946.20   557223.20
  Q Total (cfs)           943868.90    Flow (cfs)              409677.80   77746.00   456445.10
  Top Width (ft)           8681.50    Top Width (ft)           3231.00     399.75    5050.75
  Vel Total (ft/s)            0.89    Avg. Vel. (ft/s)            0.94       1.11       0.82
  Max Chl Dpth (ft)         181.54    Hydr. Depth (ft)          135.39     174.97     110.32
  Conv. Total (cfs)       260844600.0    Conv. (cfs)            113217200.0   21485630.0   126141700.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3275.42     405.08    5100.83
  Min Ch El (ft)            579.03    Shear (lb/sq ft)           0.11       0.14       0.09
  Alpha                       1.03    Stream Power (lb/ft s)     0.10       0.16       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23011.25    6513.18   40935.05
  C & E Loss (ft)                     Cum SA (acres)            192.37      36.47     304.67


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8907

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     730     150     740     700     620    1250     600    1550     600
    2000     610    2800     610    2900     600    3200     600    3250     579
    3400     579    3600     600    3950     610    4050     620    4400     630
    5000     630    5200     640    5600     650    6000     660    6200     664
    6450     655    6550     655    6800     660    6900     660    7200     655
    7400     640    7550     640    7600     652    7650     650    8000     650
    8400     720    8700     720

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3200     .15    3600     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3200    3600            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.59    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.57    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       433334.00   70004.25   563672.90
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            433334.00   70004.25   563672.90
  Q Total (cfs)           943867.70    Flow (cfs)              404934.90   77650.10   461282.80
  Top Width (ft)           8700.00    Top Width (ft)           3200.00     400.00    5100.00
  Vel Total (ft/s)            0.88    Avg. Vel. (ft/s)            0.93       1.11       0.82
  Max Chl Dpth (ft)         181.57    Hydr. Depth (ft)          135.42     175.01     110.52
  Conv. Total (cfs)       261421200.0    Conv. (cfs)            112154000.0   21506600.0   127760600.0
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  Length Wtd. (ft)           45.86    Wetted Per. (ft)         3244.82     405.33    5150.25
  Min Ch El (ft)            579.00    Shear (lb/sq ft)            0.11       0.14       0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.10       0.16       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22762.97    6473.28   40615.45
  C & E Loss (ft)                     Cum SA (acres)            190.54      36.24     301.77


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8861.14*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  729.05  147.54  738.45  599.55  642.61  674.49   626.3  688.54  623.33
  749.43  621.19 1229.54  601.67 1274.04  601.43 1524.63  601.11  1723.7  605.14
 1967.26  610.07 2098.41   609.9  2248.3  609.52 2548.07  609.52 2697.96  609.05
 2754.17  609.05  2772.9  607.23 2847.85  600.45 2852.53     600 3147.62     600
    3200  578.81    3350  578.81 3545.24     600 3895.56  609.52 3995.66  619.05
 4183.33  624.15 4345.98  628.66 4946.55  628.98 5066.85  634.77 5146.73  638.68
 5508.61   647.8 5547.11  648.74  5852.2  656.16 5947.48  658.31 6147.67  661.87
 6195.79  660.16 6293.96   656.8  6397.9  653.37 6441.21  653.43 6497.99   653.4
 6637.55  655.99 6748.23   658.1 6833.88   658.1 6848.32  658.14 6981.14  656.47
  7148.6  653.81 7226.56  648.25 7348.79  639.79 7498.93  640.12 7548.97  651.66
 7599.02  649.86 7619.23   649.9  7717.4   649.9 7766.48  649.57 7864.65  649.57
 7949.35   650.1 8349.72  719.28 8404.58  719.62    8650  719.62    8650  719.71

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3147.62     .15 3545.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3147.62 3545.24            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.58    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.57    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       424169.10   69648.56   569364.20
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            424169.10   69648.56   569364.20
  Q Total (cfs)           943865.50    Flow (cfs)             396175.70   77530.45   470159.40
  Top Width (ft)           8650.00    Top Width (ft)           3147.62     397.62    5104.76
  Vel Total (ft/s)            0.89    Avg. Vel. (ft/s)            0.93       1.11       0.83
  Max Chl Dpth (ft)         181.76    Hydr. Depth (ft)          134.76     175.16     111.54
  Conv. Total (cfs)       260657900.0    Conv. (cfs)           109407900.0   21410810.0   129839200.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         3192.50     402.89    5154.93
  Min Ch El (ft)            578.81    Shear (lb/sq ft)            0.11       0.14       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.10       0.16       0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22311.58    6399.77   40019.02
  C & E Loss (ft)                     Cum SA (acres)            187.20      35.82     296.40


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8815.28*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   728.1  145.09  736.91  589.57  645.48  663.27  629.49  677.08  626.67
  736.96  624.63 1209.08  603.34 1252.83  602.86 1499.26  602.22 1695.01  605.78
 1934.52  610.14 2063.49  609.81 2210.88  609.05 2505.67  609.05 2653.06   608.1
 2708.33   608.1 2726.76  606.37 2800.45  600.43 2805.06     600 3095.24     600
    3150  578.62    3300  578.62 3490.48     600 3841.13  609.05 3941.32   618.1
 4129.17  622.94 4291.97  627.32 4893.09  627.97 5013.51  633.53 5093.46  637.37
 5455.68  646.56 5494.21  647.47 5799.59   654.7 5894.96  656.62 6095.33  659.74
  6143.5  658.05 6241.76  654.86  6345.8  651.75 6389.15  651.86 6445.98   651.8
 6585.67  654.19 6696.45  656.19 6782.19  656.19 6796.64  656.28 6929.58  655.14
  7097.2  652.62 7175.23  647.33 7297.57  639.58 7447.85  640.24 7497.95  651.31
 7548.04  649.72 7568.27  649.81 7666.53  649.81 7715.66  649.14 7813.92  649.14
 7898.69   650.2 8299.44  718.55 8354.35  719.24    8600  719.24    8600  719.43

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3095.24     .15 3490.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3095.24 3490.48            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.58    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.57    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       415064.50   69292.55   575065.90
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            415064.50   69292.55   575065.90
  Q Total (cfs)           943863.30    Flow (cfs)             387403.20   77395.20   479064.90
  Top Width (ft)           8600.00    Top Width (ft)           3095.24     395.24    5109.52
  Vel Total (ft/s)            0.89    Avg. Vel. (ft/s)            0.93       1.12       0.83
  Max Chl Dpth (ft)         181.95    Hydr. Depth (ft)          134.10     175.32     112.55
  Conv. Total (cfs)       259937600.0    Conv. (cfs)           106689900.0   21314450.0   131933300.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         3140.22     400.46    5159.63
  Min Ch El (ft)            578.62    Shear (lb/sq ft)            0.11       0.14       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.10       0.16       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21869.80    6326.63   39416.59
  C & E Loss (ft)                     Cum SA (acres)            183.91      35.40     291.03


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8769.42*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  727.14  142.63  735.36  579.59  648.35  652.04  632.67  665.62     630
  724.49  628.07 1188.62  605.01 1231.63  604.29 1473.88  603.33 1666.33  606.43
 1901.79  610.21 2028.57  609.71 2173.47  608.57 2463.27  608.57 2608.16  607.14
  2662.5  607.14 2680.61  605.51 2753.06  600.41 2757.59     600 3042.86     600
    3100  578.43    3250  578.43 3435.71     600 3786.69  608.57 3886.97  617.14
    4075  621.73 4237.96  625.98 4839.64  626.95 4960.17  632.29  5040.2  636.05
 5402.75  645.32 5441.32  646.21 5746.98  653.25 5842.44  654.93    6043  657.61
 6091.21  655.95 6189.56  652.92  6293.7  650.12 6337.09  650.29 6393.98   650.2
 6533.79  652.39 6644.68  654.29 6730.49  654.29 6744.96  654.43 6878.02  653.82
  7045.8  651.43  7123.9  646.42 7246.36  639.37 7396.78  640.36 7446.92  650.97
 7497.06  649.58 7517.31  649.71 7615.66  649.71 7664.83  648.71 7763.19  648.71
 7848.04  650.31 8249.16  717.83 8304.12  718.86    8550  718.86    8550  719.14

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3042.86     .15 3435.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3042.86 3435.71            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.58    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.57    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       406038.30   68934.26   580775.30
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            406038.30   68934.26   580775.30
  Q Total (cfs)           943861.00    Flow (cfs)             378640.80   77240.47   487979.70
  Top Width (ft)           8550.00    Top Width (ft)           3042.86     392.85    5114.29
  Vel Total (ft/s)            0.89    Avg. Vel. (ft/s)            0.93       1.12       0.84
  Max Chl Dpth (ft)         182.14    Hydr. Depth (ft)          133.44     175.47     113.56
  Conv. Total (cfs)       259265900.0    Conv. (cfs)            104007500.0   21216920.0   134041400.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         3087.99     398.03    5164.37
  Min Ch El (ft)            578.43    Shear (lb/sq ft)            0.11       0.14       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.10       0.16       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21437.58    6253.87   38808.16
  C & E Loss (ft)                     Cum SA (acres)            180.68      34.99     285.64


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8723.57*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  726.19  140.18  733.82  569.61  651.22  640.82  635.86  654.17  633.33
  712.02  631.51 1168.15  606.68 1210.43  605.71 1448.51  604.44 1637.64  607.07
 1869.05  610.29 1993.65  609.62 2136.05   608.1 2420.86   608.1 2563.27  606.19
 2616.67  606.19 2634.47  604.65 2705.67  600.39 2710.12     600 2990.48     600
    3050  578.24    3200  578.24 3380.95     600 3732.26   608.1 3832.63  616.19
 4020.83  620.53 4183.94  624.64 4786.18  625.93 4906.82  631.06 4986.93  634.73
 5349.82  644.08 5388.42  644.94 5694.37  651.79 5789.92  653.24 5990.66  655.48
 6038.92  653.84 6137.36  650.98  6241.6  648.49 6285.03  648.71 6341.97   648.6
 6481.91  650.59  6592.9  652.38  6678.8  652.38 6693.28  652.57 6826.47   652.5
  6994.4  650.24 7072.57  645.51 7195.14  639.16 7345.71  640.47 7395.89  650.62
 7446.08  649.44 7466.35  649.62 7564.79  649.62 7614.01  648.29 7712.45  648.29
 7797.39  650.41 8198.88   717.1 8253.89  718.48    8500  718.48    8500  718.86

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2990.48     .15 3380.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2990.48 3380.95            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.58    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.57    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       397072.10   68577.34   586497.50
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            397072.10   68577.34   586497.50
  Q Total (cfs)           943858.80    Flow (cfs)             369871.30   77071.74   496915.80
  Top Width (ft)           8500.00    Top Width (ft)           2990.48     390.47    5119.05
  Vel Total (ft/s)            0.90    Avg. Vel. (ft/s)            0.93       1.12       0.85
  Max Chl Dpth (ft)         182.33    Hydr. Depth (ft)          132.78     175.63     114.57
  Conv. Total (cfs)       258638500.0    Conv. (cfs)            101353000.0   21119390.0   136166100.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         3035.81     395.63    5169.13
  Min Ch El (ft)            578.24    Shear (lb/sq ft)            0.11       0.14       0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.10       0.16       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21014.82    6181.48   38193.71
  C & E Loss (ft)                     Cum SA (acres)            177.51      34.57     280.26


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8677.71*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  725.24  137.72  732.27  559.64  654.09  629.59  639.04  642.71  636.67
  699.55  634.95 1147.69  608.35 1189.23  607.14 1423.14  605.55 1608.96  607.71
 1836.31  610.36 1958.73  609.52 2098.64  607.62 2378.46  607.62 2518.37  605.24
 2570.83  605.24 2588.32  603.79 2658.28  600.36 2662.65     600  2938.1     600
    3000  578.05    3150  578.05 3326.19     600 3677.82  607.62 3778.29  615.24
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 3966.67  619.32 4129.93   623.3 4732.73  624.91 4853.48  629.82 4933.66  633.42
 5296.89  642.84 5335.53  643.68 5641.76  650.33  5737.4  651.55 5938.33  653.35
 5986.63  651.73 6085.17  649.04  6189.5  646.86 6232.97  647.14 6289.96  647.01
 6430.04  648.79 6541.13  650.48 6627.11  650.48  6641.6  650.71 6774.91  651.17
    6943  649.05 7021.25   644.6 7143.93  638.95 7294.63  640.59 7344.86  650.28
  7395.1   649.3 7415.38  649.52 7513.92  649.52 7563.19  647.86 7661.72  647.86
 7746.73  650.51  8148.6  716.38 8203.66   718.1    8450   718.1    8450  718.57

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  2938.1     .15 3326.19     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2938.1 3326.19            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.58    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.57    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       388183.60   68219.88   592226.90
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            388183.60   68219.88   592226.90
  Q Total (cfs)           943856.60    Flow (cfs)             361120.10   76885.50   505851.10
  Top Width (ft)           8450.00    Top Width (ft)          2938.10     388.09    5123.81
  Vel Total (ft/s)            0.90    Avg. Vel. (ft/s)           0.93       1.13       0.85
  Max Chl Dpth (ft)         182.52    Hydr. Depth (ft)         132.12     175.78     115.58
  Conv. Total (cfs)       258059800.0    Conv. (cfs)           98733840.0   21021260.0   138304700.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)        2983.66     393.23    5173.93
  Min Ch El (ft)            578.05    Shear (lb/sq ft)           0.11       0.14       0.10
  Alpha                       1.02    Stream Power (lb/ft s)     0.10       0.16       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20601.46    6109.47   37573.23
  C & E Loss (ft)                     Cum SA (acres)            174.39      34.16     274.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8631.85*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  724.29  135.27  730.73  549.66  656.96  618.37  642.23  631.25     640
  687.07  638.39 1127.23  610.03 1168.03  608.57 1397.77  606.66 1580.27  608.36
 1803.57  610.43 1923.81  609.43 2061.22  607.14 2336.05  607.14 2473.47  604.29
    2525  604.29 2542.18  602.93 2610.88  600.34 2615.18     600 2885.71     600
    2950  577.86    3100  577.86 3271.43     600 3623.39  607.14 3723.95  614.29
  3912.5  618.11 4075.91  621.95 4679.27   623.9 4800.14  628.58 4880.39   632.1
 5243.96   641.6 5282.63  642.41 5589.15  648.87 5684.87  649.86 5885.99  651.22
 5934.34  649.62 6032.97   647.1  6137.4  645.24 6180.91  645.57 6237.96  645.41
 6378.16  646.99 6489.36  648.57 6575.41  648.57 6589.92  648.85 6723.35  649.85
  6891.6  647.86 6969.92  643.68 7092.72  638.74 7243.56  640.71 7293.84  649.94
 7344.12  649.16 7364.42  649.43 7463.05  649.43 7512.36  647.43 7610.99  647.43
 7696.08  650.61 8098.32  715.65 8153.43  717.71    8400  717.71    8400  718.29

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2885.71     .15 3271.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2885.71 3271.43           45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.58    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.57    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       379353.80   67863.74   597975.90
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            379353.80   67863.74   597975.90
  Q Total (cfs)           943854.40    Flow (cfs)             352366.10   76684.88   514803.40
  Top Width (ft)           8400.00    Top Width (ft)          2885.71     385.72    5128.57
  Vel Total (ft/s)            0.90    Avg. Vel. (ft/s)           0.93       1.13       0.86
  Max Chl Dpth (ft)         182.71    Hydr. Depth (ft)         131.46     175.94     116.60
  Conv. Total (cfs)       257526900.0    Conv. (cfs)           96141690.0   20923170.0   140462100.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)        2931.56     390.85    5178.77
  Min Ch El (ft)            577.86    Shear (lb/sq ft)           0.11       0.15       0.10
  Alpha                       1.02    Stream Power (lb/ft s)     0.10       0.16       0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20197.43    6037.83   36946.70
  C & E Loss (ft)                     Cum SA (acres)            171.32      33.76     269.47


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8586.*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  723.33  132.81  729.18  539.68  659.83  607.14  645.41  619.79  643.33
   674.6  641.83 1106.77   611.7 1146.83     610  1372.4  607.77 1551.59     609
 1770.83   610.5 1888.89  609.33 2023.81  606.67 2293.65  606.67 2428.57  603.33
 2479.17  603.33 2496.03  602.06 2563.49  600.32 2567.71     600 2833.33     600
    2900  577.67    3050  577.67 3216.67     600 3568.95  606.67 3669.61  613.33
 3858.33   616.9  4021.9  620.61 4625.82  622.88 4746.79  627.34 4827.12  630.78
 5191.03  640.36 5229.74  641.15 5536.54  647.41 5632.35  648.17 5833.66  649.09
 5882.05  647.51 5980.77  645.16 6085.29  643.61 6128.85     644 6185.95  643.81
 6326.28  645.19 6437.58  646.67 6523.72  646.67 6538.24  646.99 6671.79  648.53
  6840.2  646.67 6918.59  642.77  7041.5  638.53 7192.48  640.83 7242.81  649.59
 7293.14  649.02 7313.46  649.33 7412.18  649.33 7461.54     647 7560.26     647
 7645.42  650.71 8048.04  714.93 8103.21  717.33    8350  717.33    8350     718

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2833.33     .15 3216.67     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2833.33 3216.67            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.58    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.56    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       370602.20   67505.41   603726.20
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            370602.20   67505.41   603726.20
  Q Total (cfs)           943852.30    Flow (cfs)             343642.00   76465.93   523744.40
  Top Width (ft)           8350.00    Top Width (ft)           2833.33     383.34    5133.33
  Vel Total (ft/s)            0.91    Avg. Vel. (ft/s)            0.93       1.13       0.87
  Max Chl Dpth (ft)         182.89    Hydr. Depth (ft)          130.80     176.10     117.61
  Conv. Total (cfs)       257039500.0    Conv. (cfs)            93584100.0   20823980.0   142631400.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2879.54     388.47    5183.62
  Min Ch El (ft)            577.67    Shear (lb/sq ft)            0.11       0.15       0.10
  Alpha                       1.02    Stream Power (lb/ft s)      0.10       0.17       0.09
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19802.65    5966.58   36314.13
  C & E Loss (ft)                     Cum SA (acres)            168.31      33.35     264.07


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8540.14*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  722.38  130.36  727.63  529.71   662.7  595.92   648.6  608.33  646.67
  662.13  645.27 1086.31  613.37 1125.62  611.43 1347.02  608.88  1522.9  609.64
  1738.1  610.57 1853.97  609.24 1986.39  606.19 2251.25  606.19 2383.67  602.38
 2433.33  602.38 2449.89   601.2  2516.1  600.29 2520.24     600 2780.95     600
    2850  577.48    3000  577.48  3161.9     600 3514.52  606.19 3615.27  612.38
 3804.17   615.7 3967.88  619.27 4572.36  621.86 4693.45   626.1 4773.86  629.47
  5138.1  639.12 5176.84  639.89 5483.93  645.96 5579.83  646.48 5781.33  646.96
 5829.76   645.4 5928.57  643.22 6033.19  641.98 6076.79  642.43 6133.94  642.21
  6274.4  643.39 6385.81  644.76 6472.02  644.76 6486.55  645.14 6620.24   647.2
  6788.8  645.48 6867.26  641.86 6990.29  638.32 7141.41  640.95 7191.78  649.25
 7242.16  648.89  7262.5  649.24 7361.31  649.24 7410.71  646.57 7509.52  646.57
 7594.77  650.81 7997.76   714.2 8052.98  716.95    8300  716.95    8300  717.71

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2780.95     .15  3161.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2780.95  3161.9            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.58    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.56    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       361918.80   67144.94   609485.60
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            361918.80   67144.94   609485.60
  Q Total (cfs)           943850.10    Flow (cfs)             334940.60   76229.13   532680.40
  Top Width (ft)           8300.00    Top Width (ft)           2780.95     380.95    5138.10
  Vel Total (ft/s)            0.91    Avg. Vel. (ft/s)            0.93       1.14       0.87
  Max Chl Dpth (ft)         183.08    Hydr. Depth (ft)          130.14     176.26     118.62
  Conv. Total (cfs)       256596300.0    Conv. (cfs)            91057360.0   20723750.0   144815200.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2827.55     386.09    5188.52
  Min Ch El (ft)            577.48    Shear (lb/sq ft)            0.11       0.15       0.10
  Alpha                       1.02    Stream Power (lb/ft s)      0.10       0.17       0.09
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19417.05    5895.70   35675.49
  C & E Loss (ft)                     Cum SA (acres)            165.35      32.95     258.66


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8494.28*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  721.43   127.9  726.09  519.73  665.57  584.69  651.78  596.88     650
  649.66  648.71 1065.85  615.04 1104.42  612.86 1321.65  609.99 1494.22  610.28
 1705.36  610.64 1819.05  609.14 1948.98  605.71 2208.84  605.71 2338.78  601.43
  2387.5  601.43 2403.74  600.34 2468.71  600.27 2472.77     600 2728.57     600
    2800  577.29    2950  577.29 3107.14     600 3460.08  605.71 3560.92  611.43
    3750  614.49 3913.87  617.93 4518.91  620.85 4640.11  624.86 4720.59  628.15
 5085.17  637.88 5123.95  638.62 5431.32   644.5 5527.31  644.79 5728.99  644.83
 5777.47   643.3 5876.37  641.28 5981.09  640.35 6024.73  640.86 6081.93  640.61
 6222.53  641.59 6334.03  642.86 6420.33  642.86 6434.87  643.28 6568.68  645.88
  6737.4  644.29 6815.93  640.95 6939.08  638.12 7090.34  641.07 7140.76  648.91
 7191.18  648.75 7211.54  649.14 7310.44  649.14 7359.89  646.14 7458.79  646.14
 7544.12  650.92 7947.48  713.48 8002.75  716.57    8250  716.57    8250  717.43

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2728.57     .15 3107.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2728.57 3107.14            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.57    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.56    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       353304.00   66785.69   615249.40
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            353304.00   66785.69   615249.40
  Q Total (cfs)           943847.90    Flow (cfs)             326265.80   75978.54   541603.50
  Top Width (ft)           8250.00    Top Width (ft)           2728.57     378.57    5142.86
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  Vel Total (ft/s)            0.91    Avg. Vel. (ft/s)            0.92       1.14       0.88
  Max Chl Dpth (ft)         183.27    Hydr. Depth (ft)          129.48     176.42     119.63
  Conv. Total (cfs)       256196600.0    Conv. (cfs)            88561100.0   20623500.0   147012000.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2775.64     383.73    5193.43
  Min Ch El (ft)            577.29    Shear (lb/sq ft)            0.11       0.15       0.10
  Alpha                       1.02    Stream Power (lb/ft s)      0.10       0.17       0.09
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19040.56    5825.20   35030.79
  C & E Loss (ft)                     Cum SA (acres)            162.45      32.55     253.25


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8448.42*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  720.48  125.45  724.54  509.75  668.44  573.47  654.97  585.42  653.33
  637.19  652.15 1045.39  616.71 1083.22  614.29 1296.28   611.1 1465.53  610.93
 1672.62  610.71 1784.13  609.05 1911.56  605.24 2166.44  605.24 2293.88  600.48
 2341.67  600.48  2357.6  599.48 2421.32  600.25  2425.3     600 2676.19     600
    2750   577.1    2900   577.1 3052.38     600 3405.65  605.24 3506.58  610.48
 3695.83  613.28 3859.85  616.59 4465.45  619.83 4586.77  623.62 4667.32  626.83
 5032.23  636.64 5071.06  637.36 5378.71  643.04 5474.79   643.1 5676.66   642.7
 5725.18  641.19 5824.18  639.34 5928.99  638.73 5972.66  639.29 6029.93  639.01
 6170.65  639.79 6282.26  640.95 6368.64  640.95 6383.19  641.42 6517.12  644.56
 6685.99   643.1 6764.61  640.04 6887.86  637.91 7039.26  641.18 7089.73  648.56
  7140.2  648.61 7160.58  649.05 7259.57  649.05 7309.07  645.71 7408.06  645.71
 7493.46  651.02  7897.2  712.76 7952.52  716.19    8200  716.19    8200  717.14

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2676.19     .15 3052.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2676.19 3052.38            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.57    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.56    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       344753.30   66426.05   621027.40
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            344753.30   66426.05   621027.40
  Q Total (cfs)           943845.80    Flow (cfs)             317614.00   75712.11   550519.70
  Top Width (ft)           8200.00    Top Width (ft)           2676.19     376.19    5147.62
  Vel Total (ft/s)            0.91    Avg. Vel. (ft/s)            0.92       1.14       0.89
  Max Chl Dpth (ft)         183.46    Hydr. Depth (ft)          128.82     176.58     120.64
  Conv. Total (cfs)       255841600.0    Conv. (cfs)            86093400.0   20522750.0   149225500.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2723.78     381.37    5198.38
  Min Ch El (ft)            577.10    Shear (lb/sq ft)            0.11       0.15       0.10
  Alpha                       1.01    Stream Power (lb/ft s)      0.10       0.17       0.09
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18673.10    5755.07   34380.01
  C & E Loss (ft)                     Cum SA (acres)            159.61      32.15     247.83


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8402.57*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  719.52  122.99    723  499.77   671.3  562.24  658.15  573.96  656.67
  624.72  655.59 1024.93  618.38 1062.02  615.71 1270.91  612.21 1436.85  611.57
 1639.88  610.79 1749.21  608.95 1874.15  604.76 2124.04  604.76 2248.98  599.52
 2295.83  599.52 2311.45  598.62 2373.92  600.23 2377.83     600 2623.81     600
    2700   576.9    2850   576.9 2997.62     600 3351.21  604.76 3452.24  609.52
 3641.67  612.07 3805.84  615.25    4412  618.81 4533.42  622.39 4614.05  625.52
  4979.3   635.4 5018.16  636.09  5326.1  641.58 5422.27  641.41 5624.32  640.57
 5672.89  639.08 5771.98   637.4 5876.89   637.1  5920.6  637.71 5977.92  637.41
 6118.77  637.99 6230.49  639.05 6316.94  639.05 6331.51  639.56 6465.57  643.23
 6634.59   641.9 6713.28  639.12 6836.65   637.7 6988.19   641.3  7038.7  648.22
 7089.22  648.47 7109.62  648.95  7208.7  648.95 7258.24  645.29 7357.33  645.29
 7442.81  651.12 7846.92  712.03 7902.29  715.81    8150  715.81    8150  716.86

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2623.81     .15 2997.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2623.81 2997.62            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.57    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.56    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       336280.20   66068.58   626821.80
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            336280.20   66068.58   626821.80
  Q Total (cfs)           943843.70    Flow (cfs)             308999.60   75431.97   559412.10
  Top Width (ft)           8150.00    Top Width (ft)           2623.81     373.81    5152.38
  Vel Total (ft/s)            0.92    Avg. Vel. (ft/s)            0.92       1.14       0.89
  Max Chl Dpth (ft)         183.66    Hydr. Depth (ft)          128.16     176.74     121.66
  Conv. Total (cfs)       255538700.0    Conv. (cfs)            83659350.0   20422650.0   151456700.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2672.01     379.03    5203.35
  Min Ch El (ft)            576.90    Shear (lb/sq ft)            0.11       0.15       0.10
  Alpha                       1.01    Stream Power (lb/ft s)      0.10       0.17       0.09
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18314.60    5685.33   33723.14
  C & E Loss (ft)                     Cum SA (acres)            156.82      31.76     242.41


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8356.71*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  718.57  120.54  721.45   489.8  674.17  551.02  661.34   562.5     660
  612.24  659.04 1004.46  620.05 1040.82  617.14 1245.54  613.32 1408.16  612.21
 1607.14  610.86 1714.29  608.86 1836.73  604.29 2081.63  604.29 2204.08  598.57
    2250  598.57 2265.31  597.76 2326.53   600.2 2330.36     600 2571.43     600
    2650  576.71    2800  576.71 2942.86     600 3296.78  604.29  3397.9  608.57
  3587.5  610.87 3751.82  613.91 4358.54  617.79 4480.08  621.15 4560.78   624.2
 4926.37  634.16 4965.27  634.83 5273.49  640.12 5369.75  639.72 5571.99  638.43
  5620.6  636.97 5719.78  635.46 5824.79  635.47 5868.54  636.14 5925.91  635.81
  6066.9   636.2 6178.71  637.14 6265.25  637.14 6279.83   637.7 6414.01  641.91
 6583.19  640.71 6661.95  638.21 6785.43  637.49 6937.11  641.42 6987.67  647.87
 7038.24  648.33 7058.65  648.86 7157.83  648.86 7207.42  644.86 7306.59  644.86
 7392.16  651.22 7796.64  711.31 7852.06  715.43    8100  715.43    8100  716.57

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2571.43     .15 2942.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2571.43 2942.86            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.57    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.56    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       327867.50   65707.99   632617.20
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            327867.50   65707.99   632617.20
  Q Total (cfs)           943841.50    Flow (cfs)             300421.30   75133.97   568286.30
  Top Width (ft)           8100.00    Top Width (ft)           2571.43     371.43    5157.14
  Vel Total (ft/s)            0.92    Avg. Vel. (ft/s)            0.92       1.14       0.90
  Max Chl Dpth (ft)         183.85    Hydr. Depth (ft)          127.50     176.91     122.67
  Conv. Total (cfs)       255272200.0    Conv. (cfs)            81252180.0   20320800.0   153699200.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2620.29     376.70    5208.36
  Min Ch El (ft)            576.71    Shear (lb/sq ft)            0.11       0.15       0.10
  Alpha                       1.01    Stream Power (lb/ft s)      0.10       0.17       0.09
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17965.00    5615.96   33060.18
  C & E Loss (ft)                     Cum SA (acres)            154.08      31.37     236.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8310.85*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  717.62  118.08  719.91  479.82  677.04   539.8  664.52  551.04  663.33
  599.77  662.48     984  621.72 1019.61  618.57 1220.16  614.43 1379.48  612.86
  1574.4  610.93 1679.37  608.76 1799.32  603.81 2039.23  603.81 2159.18  597.62
 2204.17  597.62 2219.16  596.89 2279.14  600.18 2282.89     600 2519.05     600
    2600  576.52    2750  576.52  2888.1     600 3242.34  603.81 3343.56  607.62
 3533.33  609.66 3697.81  612.57 4305.09  616.78 4426.74  619.91 4507.52  622.88
 4873.44  632.92 4912.37  633.56 5220.88  638.66 5317.23  638.03 5519.65   636.3
 5568.31  634.86 5667.58  633.52 5772.69  633.84 5816.48  634.57  5873.9  634.21
 6015.02   634.4 6126.94  635.24 6213.55  635.24 6228.15  635.85 6362.45  640.59
 6531.79  639.52 6610.62   637.3 6734.22  637.28 6886.04  641.54 6936.65  647.53
 6987.25  648.19 7007.69  648.76 7106.96  648.76 7156.59  644.43 7255.86  644.43
  7341.5  651.32 7746.36  710.58 7801.83  715.05    8050  715.05    8050  716.29

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2519.05     .15  2888.1     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2519.05  2888.1            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.57    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.56    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       319527.50   65346.95   638425.10
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            319527.50   65346.95   638425.10
  Q Total (cfs)           943839.40    Flow (cfs)             291887.70   74819.55   577132.10
  Top Width (ft)           8050.00    Top Width (ft)           2519.05     369.05    5161.90
  Vel Total (ft/s)            0.92    Avg. Vel. (ft/s)            0.91       1.14       0.90
  Max Chl Dpth (ft)         184.04    Hydr. Depth (ft)          126.84     177.07     123.68
  Conv. Total (cfs)       255052500.0    Conv. (cfs)            78876440.0   20218390.0   155957700.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2568.65     374.37    5213.40
  Min Ch El (ft)            576.52    Shear (lb/sq ft)            0.11       0.15       0.10
  Alpha                       1.01    Stream Power (lb/ft s)      0.10       0.17       0.09
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17624.21    5546.97   32391.10
  C & E Loss (ft)                     Cum SA (acres)            151.40      30.98     231.55


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8265.*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  716.67  115.62  718.36  469.84  679.91  528.57  667.71  539.58  666.67
   587.3  665.92  963.54  623.39  998.41     620 1194.79  615.54 1350.79   613.5
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 1541.67     611 1644.44  608.67  1761.9  603.33 1996.83  603.33 2114.29  596.67
 2158.33  596.67 2173.02  596.03 2231.75  600.16 2235.42     600 2466.67     600
    2550  576.33    2700  576.33 2833.33     600 3187.91  603.33 3289.22  606.67
 3479.17  608.45 3643.79  611.23 4251.63  615.76  4373.4  618.67 4454.25  621.57
 4820.51  631.68 4859.48   632.3 5168.27  637.21 5264.71  636.34 5467.32  634.17
 5516.03  632.76 5615.38  631.58 5720.59  632.22 5764.42     633  5821.9  632.61
 5963.14   632.6 6075.16  633.33 6161.86  633.33 6176.47  633.99  6310.9  639.26
 6480.39  638.33 6559.29  636.39 6683.01  637.07 6834.97  641.66 6885.62  647.19
 6936.27  648.05 6956.73  648.67 7056.09  648.67 7105.77     644 7205.13     644
 7290.85  651.42 7696.08  709.86  7751.6  714.67    8000  714.67    8000     716

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2466.67     .15 2833.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2466.67 2833.33            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.57    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.56    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       311258.80   64983.79   644241.20
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            311258.80   64983.79   644241.20
  Q Total (cfs)           943837.30    Flow (cfs)             283404.90   74487.86   585944.50
  Top Width (ft)           8000.00    Top Width (ft)           2466.67     366.66    5166.67
  Vel Total (ft/s)            0.92    Avg. Vel. (ft/s)            0.91       1.15       0.91
  Max Chl Dpth (ft)         184.23    Hydr. Depth (ft)          126.19     177.23     124.69
  Conv. Total (cfs)       254876400.0    Conv. (cfs)           76531460.0   20114910.0   158230100.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2517.10     372.04    5218.47
  Min Ch El (ft)            576.33    Shear (lb/sq ft)            0.11       0.15       0.11
  Alpha                       1.01    Stream Power (lb/ft s)      0.10       0.17       0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17292.16    5478.37   31715.90
  C & E Loss (ft)                     Cum SA (acres)            148.78      30.59     226.11


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8219.14*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  715.71  113.17  716.81  459.86  682.78  517.35  670.89  528.12     670
  574.83  669.36  943.08  625.06  977.21  621.43 1169.42  616.65 1322.11  614.14
 1508.93  611.07 1609.52  608.57 1724.49  602.86 1954.42  602.86 2069.39  595.71
  2112.5  595.71 2126.87  595.17 2184.35  600.14 2187.95     600 2414.29     600
    2500  576.14    2650  576.14 2778.57     600 3133.47  602.86 3234.87  605.71
    3425  607.24 3589.78  609.89 4198.18  614.74 4320.06  617.43 4400.98  620.25
 4767.58  630.44 4806.58  631.03 5115.66  635.75 5212.18  634.65 5414.99  632.04
 5463.74  630.65 5563.19  629.64 5668.49  630.59 5712.36  631.43 5769.89  631.02
 5911.26   630.8 6023.39  631.43 6110.17  631.43 6124.79  632.13 6259.34  637.94
 6428.99  637.14 6507.97  635.47 6631.79  636.86 6783.89  641.78 6834.59  646.84
 6885.29  647.91 6905.77  648.57 7005.22  648.57 7054.95  643.57  7154.4  643.57
  7240.2  651.53  7645.8  709.13 7701.37  714.29    7950  714.29    7950  715.71

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2414.29     .15 2778.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2414.29 2778.57            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.57    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.55    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       303058.60   64621.87   650070.60
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            303058.60   64621.87   650070.60
  Q Total (cfs)           943835.20    Flow (cfs)             274969.20   74142.16   594723.80
  Top Width (ft)           7950.00    Top Width (ft)           2414.29     364.28    5171.43
  Vel Total (ft/s)            0.93    Avg. Vel. (ft/s)            0.91       1.15       0.91
  Max Chl Dpth (ft)         184.41    Hydr. Depth (ft)          125.53     177.40     125.70
  Conv. Total (cfs)       254746000.0    Conv. (cfs)           74215620.0   20011360.0   160519100.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2465.64     369.73    5223.57
  Min Ch El (ft)            576.14    Shear (lb/sq ft)            0.11       0.15       0.11
  Alpha                       1.01    Stream Power (lb/ft s)      0.10       0.17       0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16968.78    5410.14   31034.58
  C & E Loss (ft)                     Cum SA (acres)            146.21      30.20     220.67


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8173.28*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  714.76  110.71  715.27  449.89  685.65  506.12  674.08  516.67  673.33
  562.36   672.8  922.62  626.73  956.01  622.86 1144.05  617.76 1293.42  614.79
 1476.19  611.14  1574.6  608.48 1687.07  602.38 1912.02  602.38 2024.49  594.76
 2066.67  594.76 2080.73  594.31 2136.96  600.11 2140.48     600  2361.9     600
    2450  575.95    2600  575.95 2723.81     600 3079.04  602.38 3180.53  604.76
 3370.83  606.04 3535.76  608.55 4144.72  613.72 4266.71  616.19 4347.71  618.93
 4714.65   629.2 4753.69  629.77 5063.05  634.29 5159.66  632.96 5362.65  629.91
 5411.45  628.54 5510.99   627.7 5616.39  628.96  5660.3  629.86 5717.88  629.42
 5859.39     629 5971.62  629.52 6058.47  629.52 6073.11  630.27 6207.78  636.62
 6377.59  635.95 6456.64  634.56 6580.58  636.65 6732.82  641.89 6783.57   646.5
 6834.31  647.77 6854.81  648.48 6954.35  648.48 7004.12  643.14 7103.66  643.14
 7189.54  651.63 7595.52  708.41 7651.15   713.9    7900   713.9    7900  715.43

Manning's n Values        num=       3
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     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  2361.9     .15 2723.81     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2361.9 2723.81            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.57    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.55    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       294922.60   64261.27   655910.30
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            294922.60   64261.27   655910.30
  Q Total (cfs)           943833.10    Flow (cfs)             266583.50   73783.57   603466.00
  Top Width (ft)           7900.00    Top Width (ft)          2361.90     361.91     5176.19
  Vel Total (ft/s)            0.93    Avg. Vel. (ft/s)           0.90       1.15       0.92
  Max Chl Dpth (ft)         184.60    Hydr. Depth (ft)         124.87     177.56     126.72
  Conv. Total (cfs)       254658200.0    Conv. (cfs)           71927640.0   19907750.0   162822800.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)        2414.25     367.45     5228.70
  Min Ch El (ft)            575.95    Shear (lb/sq ft)           0.10       0.15       0.11
  Alpha                       1.01    Stream Power (lb/ft s)     0.09       0.17       0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   16654.01    5342.30   30347.11
  C & E Loss (ft)                     Cum SA (acres)           143.70      29.82     215.22


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8127.42*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  713.81  108.26  713.72  439.91  688.52   494.9  677.26  505.21  676.67
  549.89  676.24  902.16  628.41  934.81  624.29 1118.68  618.87 1264.74  615.43
 1443.45  611.21 1539.68  608.38 1649.66   601.9 1869.61   601.9 1979.59  593.81
 2020.83  593.81 2034.58  593.45 2089.57  600.09 2093.01     600 2309.52     600
    2400  575.76    2550  575.76 2669.05     600  3024.6   601.9 3126.19  603.81
 3316.67  604.83 3481.75   607.2 4091.27  612.71 4213.37  614.95 4294.44  617.62
 4661.72  627.96 4700.79  628.51 5010.44  632.83 5107.14  631.27 5310.32  627.78
 5359.16  626.43 5458.79  625.76 5564.29  627.33 5608.24  628.29 5665.87  627.82
 5807.51   627.2 5919.84  627.62 6006.78  627.62 6021.43  628.41 6156.23  635.29
 6326.19  634.76 6405.31  633.65 6529.37  636.44 6681.75  642.01 6732.54  646.15
 6783.33  647.63 6803.85  648.38 6903.48  648.38  6953.3  642.71 7052.93  642.71
 7138.89  651.73 7545.24  707.68 7600.92  713.52    7850  713.52    7850  715.14

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2309.52     .15 2669.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2309.52 2669.05           45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.56    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.55    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       286858.60   63898.22   661756.70
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            286858.60   63898.22   661756.70
  Q Total (cfs)           943831.10    Flow (cfs)             258260.80   73407.55   612162.80
  Top Width (ft)           7850.00    Top Width (ft)          2309.52     359.53     5180.95
  Vel Total (ft/s)            0.93    Avg. Vel. (ft/s)           0.90       1.15       0.93
  Max Chl Dpth (ft)         184.79    Hydr. Depth (ft)         124.21     177.73     127.73
  Conv. Total (cfs)       254613000.0    Conv. (cfs)           69669810.0   19802810.0   165140300.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)        2362.97     365.16     5233.86
  Min Ch El (ft)            575.76    Shear (lb/sq ft)           0.10       0.15       0.11
  Alpha                       1.01    Stream Power (lb/ft s)     0.09       0.17       0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   16347.76    5274.84   29653.49
  C & E Loss (ft)                     Cum SA (acres)           141.24      29.44     209.77


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8081.57*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  712.86   105.8  712.18  429.93  691.39  483.67  680.45  493.75     680
  537.42  679.68   881.7  630.08  913.61  625.71  1093.3  619.98 1236.05  616.07
 1410.71  611.29 1504.76  608.29 1612.24  601.43 1827.21  601.43 1934.69  592.86
    1975  592.86 1988.44  592.59 2042.18  600.07 2045.54     600 2257.14     600
    2350  575.57    2500  575.57 2614.29     600 2970.17  601.43 3071.85  602.86
  3262.5  603.62 3427.73  605.86 4037.82  611.69 4160.03  613.72 4241.18   616.3
 4608.79  626.72  4647.9  627.24 4957.83  631.37 5054.62  629.58 5257.98  625.65
 5306.87  624.32 5406.59  623.82 5512.19  625.71 5556.18  626.71 5613.87  626.22
 5755.63   625.4 5868.07  625.71 5955.08  625.71 5969.75  626.55 6104.67  633.97
 6274.79  633.57 6353.98  632.74 6478.15  636.23 6630.67  642.13 6681.51  645.81
 6732.35  647.49 6752.88  648.29 6852.61  648.29 6902.47  642.29  7002.2  642.29
 7088.24  651.83 7494.96  706.96 7550.69  713.14    7800  713.14    7800  714.86

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2257.14     .15 2614.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2257.14 2614.29           45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.56    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.55    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       278860.80   63535.05   667611.30
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  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            278860.80   63535.05   667611.30
  Q Total (cfs)           943829.00    Flow (cfs)              249997.30   73017.59   620814.10
  Top Width (ft)           7800.00    Top Width (ft)           2257.14     357.15    5185.71
  Vel Total (ft/s)            0.93    Avg. Vel. (ft/s)            0.90       1.15       0.93
  Max Chl Dpth (ft)         184.98    Hydr. Depth (ft)          123.55     177.89     128.74
  Conv. Total (cfs)       254609100.0    Conv. (cfs)             67439740.0   19697360.0   167472000.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2311.80     362.89    5239.04
  Min Ch El (ft)            575.57    Shear (lb/sq ft)            0.10       0.15       0.11
  Alpha                       1.01    Stream Power (lb/ft s)      0.09       0.17       0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16049.96    5207.75   28953.71
  C & E Loss (ft)                     Cum SA (acres)            138.83      29.06     204.32


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8035.71*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   711.9  103.35  710.63  419.95  694.26  472.45  683.63  482.29  683.33
  524.94  683.12  861.24  631.75   892.4  627.14 1067.93  621.09 1207.37  616.71
 1377.98  611.36 1469.84  608.19 1574.83  600.95 1784.81  600.95  1889.8   591.9
 1929.17   591.9 1942.29  591.72 1994.78  600.05 1998.07     600 2204.76     600
    2300  575.38    2450  575.38 2559.52     600 2915.73  600.95 3017.51   601.9
 3208.33  602.41 3373.72  604.52 3984.36  610.67 4106.69  612.48 4187.91  614.98
 4555.86  625.48    4595  625.98 4905.22  629.92  5002.1  627.88 5205.65  623.52
 5254.58  622.22  5354.4  621.88 5460.08  624.08 5504.12  625.14 5561.86  624.62
 5703.75   623.6 5816.29  623.81 5903.39  623.81 5918.07   624.7 6053.11  632.65
 6223.39  632.38 6302.66  631.82 6426.94  636.02  6579.6  642.25 6630.49  645.47
 6681.37  647.35 6701.92  648.19 6801.74  648.19 6851.65  641.86 6951.47  641.86
 7037.58  651.93 7444.68  706.24 7500.46  712.76    7750  712.76    7750  714.57

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2204.76     .15 2559.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2204.76 2559.52            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.56    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.55    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       270940.40   63169.60   673479.40
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            270940.40   63169.60   673479.40
  Q Total (cfs)           943827.00    Flow (cfs)              241807.60   72609.48   629409.90
  Top Width (ft)           7750.00    Top Width (ft)           2204.76     354.76    5190.48
  Vel Total (ft/s)            0.94    Avg. Vel. (ft/s)            0.89       1.15       0.93
  Max Chl Dpth (ft)         185.17    Hydr. Depth (ft)          122.89     178.06     129.75
  Conv. Total (cfs)       254651800.0    Conv. (cfs)             65241550.0   19590600.0   169819700.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2260.76     360.62    5244.27
  Min Ch El (ft)            575.38    Shear (lb/sq ft)            0.10       0.15       0.11
  Alpha                       1.01    Stream Power (lb/ft s)      0.09       0.17       0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15760.54    5141.06   28247.76
  C & E Loss (ft)                     Cum SA (acres)            136.48      28.69     198.85


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7989.85*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  710.95  100.89  709.08  409.98  697.13  461.22  686.82  470.83  686.67
  512.47  686.56  840.77  633.42   871.2  628.57 1042.56   622.2 1178.68  617.36
 1345.24  611.43 1434.92   608.1 1537.42  600.48  1742.4  600.48  1844.9  590.95
 1883.33  590.95 1896.15  590.86 1947.39  600.02  1950.6     600 2152.38     600
    2250  575.19    2400  575.19 2504.76     600  2861.3  600.48 2963.17  600.95
 3154.17  601.21  3319.7  603.18 3930.91  609.66 4053.34  611.24 4134.64  613.67
 4502.93  624.24 4542.11  624.71 4852.61  628.46 4949.58  626.19 5153.31  621.39
 5202.29  620.11  5302.2  619.94 5407.98  622.45 5452.06  623.57 5509.85  623.02
 5651.88   621.8 5764.52   621.9 5851.69   621.9 5866.39  622.84 6001.56  631.32
 6171.99  631.19 6251.33  630.91 6375.72  635.81 6528.53  642.37 6579.46  645.12
 6630.39  647.21 6650.96   648.1 6750.87   648.1 6800.82  641.43 6900.73  641.43
 6986.93  652.04  7394.4  705.51 7450.23  712.38    7700  712.38    7700  714.29

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2152.38     .15 2504.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2152.38 2504.76            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.56    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.55    Reach Len. (ft)            45.86      45.86      45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       263082.00   62805.53   679350.30
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            263082.00   62805.53   679350.30
  Q Total (cfs)           943825.00    Flow (cfs)              233682.00   72190.10   637952.90
  Top Width (ft)           7700.00    Top Width (ft)           2152.38     352.38    5195.24
  Vel Total (ft/s)            0.94    Avg. Vel. (ft/s)            0.89       1.15       0.94
  Max Chl Dpth (ft)         185.36    Hydr. Depth (ft)          122.23     178.23     130.76
  Conv. Total (cfs)       254732300.0    Conv. (cfs)             63069270.0   19483640.0   172179400.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2209.82     358.38    5249.51
  Min Ch El (ft)            575.19    Shear (lb/sq ft)            0.10       0.15       0.11
  Alpha                       1.01    Stream Power (lb/ft s)      0.09       0.17       0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15479.44    5074.74   27535.63
  C & E Loss (ft)                     Cum SA (acres)            134.19      28.32     193.39
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7944

INPUT
Description:
Station Elevation Data    num=      34
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     710     400     700     450     690     500     690     850     630
    1150     618    1400     608    1500     600    1700     600    1800     590
    1850     590    1900     600    2100     600    2200     575    2350     575
    2450     600    3100     600    4000     610    4450     623    4800     627
    5150     618    5250     618    5400     622    5600     620    5800     620
    5950     630    6200     630    6600     648    6700     648    6750     641
    6850     641    7400     712    7650     712    7650     714

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2100     .15    2450     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2100    2450            57.54   57.54   57.54             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.56    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.55    Reach Len. (ft)            57.54      57.54      57.54
  Crit W.S. (ft)                      Flow Area (sq ft)       255295.50   62440.91   685236.40
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            255295.50   62440.91   685236.40
  Q Total (cfs)           943823.00    Flow (cfs)             225630.20   71754.91   646437.90
  Top Width (ft)           7650.00    Top Width (ft)          2100.00     350.00    5200.00
  Vel Total (ft/s)            0.94    Avg. Vel. (ft/s)           0.88       1.15       0.94
  Max Chl Dpth (ft)         185.55    Hydr. Depth (ft)         121.57     178.40     131.78
  Conv. Total (cfs)       254858300.0    Conv. (cfs)           60926390.0   19375800.0   174556100.0
  Length Wtd. (ft)           57.54    Wetted Per. (ft)        2159.02     356.16    5254.78
  Min Ch El (ft)            575.00    Shear (lb/sq ft)           0.10       0.15       0.11
  Alpha                       1.01    Stream Power (lb/ft s)     0.09       0.17       0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15206.56    5008.81   26817.31
  C & E Loss (ft)                     Cum SA (acres)            131.95      27.95     187.91


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7886.4*

INPUT
Description:
Station Elevation Data    num=      51
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   710.4  234.18  703.95  395.87  700.01  409.81  697.37  439.08  691.18
  445.36  689.98  494.84  689.84  841.23  632.86  907.44  630.17  936.71  627.73
  1053.8  623.31 1138.13  619.65 1170.89  618.23 1287.98  613.81 1385.56  610.97
 1405.07  609.66 1484.52  603.23 1682.46  602.16 1781.43  592.28 1830.91  592.01
  1880.4  601.08 2078.33     600 2183.33  574.87    2330  574.87    2396     590
    2440     600 3071.25     600 3945.29  609.33 4382.31  621.47 4494.24   622.7
 4722.21  625.38 5062.12  617.24 5159.23  617.32  5304.9  621.16 5350.17  620.76
 5499.13  619.33 5693.37  619.33 5839.04  628.67 5863.73  628.67 6034.92     628
 6081.83     628 6377.29  640.78 6470.29  644.98  6567.4  645.17 6615.96  638.73
 6713.08  638.92 6719.66  639.75 7147.63  699.51 7247.21  711.87    7490  711.87
    7490  713.73

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2078.33     .15    2440     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2078.33    2440            57.54   57.54   57.54             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.56    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.54    Reach Len. (ft)            57.54      57.54      57.54
  Crit W.S. (ft)                      Flow Area (sq ft)       249713.40   64448.15   670124.80
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            249713.40   64448.15   670124.80
  Q Total (cfs)           943820.60    Flow (cfs)             222723.70   75338.78   645758.10
  Top Width (ft)           7490.00    Top Width (ft)          2078.33     361.67    5050.00
  Vel Total (ft/s)            0.96    Avg. Vel. (ft/s)           0.89       1.17       0.96
  Max Chl Dpth (ft)         185.67    Hydr. Depth (ft)         120.15     178.20     132.70
  Conv. Total (cfs)       250598300.0    Conv. (cfs)           59136440.0   20003560.0   171458300.0
  Length Wtd. (ft)           57.54    Wetted Per. (ft)        2136.38     367.47    5105.14
  Min Ch El (ft)            574.87    Shear (lb/sq ft)           0.10       0.16       0.12
  Alpha                       1.01    Stream Power (lb/ft s)     0.09       0.18       0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14873.02    4925.01   25922.13
  C & E Loss (ft)                     Cum SA (acres)            129.19      27.48     181.14


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7828.8*

INPUT
Description:
Station Elevation Data    num=      51
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   710.8  231.74  703.81  391.75  700.02  405.54  697.56  434.51   691.1
  440.71  689.96  489.68  689.68  832.46  635.71  897.98  633.01  926.95  629.32
 1042.82  625.22 1126.27  621.31 1158.69  619.79 1274.55  615.68 1371.11  613.93
 1390.42   612.9 1469.05  606.47 1664.92  604.31 1762.86  594.57 1811.83  594.03
 1860.79  602.16 2056.67     600 2166.67  574.73    2310  574.73    2382     590
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    2430     600  3042.5     600 3890.58  608.67 4314.62  619.93 4423.22  621.07
 4644.42  623.76 4974.23  616.48 5068.46  616.64 5209.81  620.33 5253.73     620
 5398.27  618.67 5586.73  618.67 5728.08  627.33 5752.03  627.33 5918.14     626
 5963.65     626 6250.34  637.87 6340.58  641.96 6434.81  642.34 6481.92  636.46
 6576.15  636.84 6582.54  637.63  6997.8  700.26 7094.42  711.73    7330  711.73
    7330  713.47

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2056.67     .15    2430     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2056.67    2430            57.54   57.54   57.54             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.56    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.54    Reach Len. (ft)            57.54      57.54      57.54
  Crit W.S. (ft)                      Flow Area (sq ft)       244193.80   66456.34   654731.00
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            244193.80   66456.34   654731.00
  Q Total (cfs)           943818.20    Flow (cfs)             219911.00   79069.22   644838.00
  Top Width (ft)           7330.00    Top Width (ft)           2056.67     373.33    4900.00
  Vel Total (ft/s)            0.98    Avg. Vel. (ft/s)            0.90       1.19       0.98
  Max Chl Dpth (ft)         185.81    Hydr. Depth (ft)          118.73     178.01     133.62
  Conv. Total (cfs)       246254700.0    Conv. (cfs)            57377700.0   20630210.0   168246800.0
  Length Wtd. (ft)           57.54    Wetted Per. (ft)         2113.87     378.83    4955.56
  Min Ch El (ft)            574.73    Shear (lb/sq ft)           0.11       0.16       0.12
  Alpha                       1.02    Stream Power (lb/ft s)     0.10       0.19       0.12
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14546.81    4838.55   25047.11
  C & E Loss (ft)                     Cum SA (acres)            126.46      26.99     174.57


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7771.2*

INPUT
Description:
Station Elevation Data    num=      51
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   711.2   229.3  703.67  387.62  700.03  401.27  697.75  429.93  691.01
  436.07  689.95  484.52  689.52  823.69  638.57  888.52  635.86  917.18  630.91
 1031.83  627.13  1114.4  622.96 1146.48  621.34 1261.13  617.55 1356.67   616.9
 1375.77  616.14 1453.57   609.7 1647.38  606.47 1744.29  596.85 1792.74  596.04
 1841.19  603.23    2035     600    2150   574.6    2290   574.6    2368     590
    2420     600 3013.75     600 3835.87     608 4246.92   618.4  4352.2  619.45
 4566.63  622.13 4886.35  615.73 4977.69  615.95 5114.71  619.49 5157.29  619.23
  5297.4     618  5480.1     618 5617.12     626 5640.34     626 5801.36     624
 5845.48     624 6123.39  634.95 6210.87  638.94 6302.21  639.51 6347.88  634.19
 6439.23  634.76 6445.42   635.5 6847.97  701.01 6941.63   711.6    7170   711.6
    7170   713.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2035     .15    2420     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2035    2420            57.54   57.54   57.54             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.55    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.54    Reach Len. (ft)            57.54      57.54      57.54
  Crit W.S. (ft)                      Flow Area (sq ft)       238734.80   68464.55   639069.40
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            238734.80   68464.55   639069.40
  Q Total (cfs)           943815.80    Flow (cfs)             217187.80   82954.52   643673.50
  Top Width (ft)           7170.00    Top Width (ft)           2035.00     385.00    4750.00
  Vel Total (ft/s)            1.00    Avg. Vel. (ft/s)            0.91       1.21       1.01
  Max Chl Dpth (ft)         185.94    Hydr. Depth (ft)          117.31     177.83     134.54
  Conv. Total (cfs)       241831800.0    Conv. (cfs)            55649530.0   21255250.0   164927000.0
  Length Wtd. (ft)           57.54    Wetted Per. (ft)         2091.48     390.23    4806.05
  Min Ch El (ft)            574.60    Shear (lb/sq ft)           0.11       0.17       0.13
  Alpha                       1.02    Stream Power (lb/ft s)     0.10       0.20       0.13
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14227.85    4749.44   24192.60
  C & E Loss (ft)                     Cum SA (acres)            123.76      26.49     168.20


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7713.6*

INPUT
Description:
Station Elevation Data    num=      51
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   711.6  226.85  703.53  383.49  700.04     397  697.93  425.35  690.93
  431.43  689.93  479.37  689.37  814.92  641.42  879.06   638.7  907.42   632.5
 1020.85  629.03 1102.54  624.61 1134.27   622.9  1247.7  619.43 1342.22  619.87
 1361.13  619.38  1438.1  612.94 1629.84  608.62 1725.71  599.13 1773.65  598.06
 1821.59  604.31 2013.33     600 2133.33  574.47    2270  574.47    2354     590
    2410     600    2985     600 3781.15  607.33 4179.23  616.87 4281.19  617.83
 4488.85  620.51 4798.46  614.97 4886.92  615.27 5019.62  618.66 5060.85  618.46
 5196.54  617.33 5373.46  617.33 5506.15  624.67 5528.64  624.67 5684.58     622
 5727.31     622 5996.44  632.04 6081.15  635.92 6169.62  636.68 6213.85  631.93
 6302.31  632.68 6308.31  633.38 6698.14  701.76 6788.85  711.47    7010  711.47
    7010  712.93

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2013.33     .15    2410     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2013.33    2410            57.54   57.54   57.54             .1       .3
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CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.55    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.54    Reach Len. (ft)           57.54      57.54      57.54
  Crit W.S. (ft)                      Flow Area (sq ft)       233335.10   70473.22   623123.30
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            233335.10   70473.22   623123.30
  Q Total (cfs)           943813.50    Flow (cfs)             214560.60   87013.06   642239.80
  Top Width (ft)           7010.00    Top Width (ft)           2013.33     396.67    4600.00
  Vel Total (ft/s)            1.02    Avg. Vel. (ft/s)            0.92       1.23       1.03
  Max Chl Dpth (ft)         186.07    Hydr. Depth (ft)          115.90     177.66     135.46
  Conv. Total (cfs)       237321100.0    Conv. (cfs)            53951090.0   21879360.0   161490700.0
  Length Wtd. (ft)           57.54    Wetted Per. (ft)         2069.22     401.67    4656.61
  Min Ch El (ft)            574.47    Shear (lb/sq ft)            0.11       0.17       0.13
  Alpha                       1.02    Stream Power (lb/ft s)      0.10       0.21       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13916.06    4657.67   23358.96
  C & E Loss (ft)                     Cum SA (acres)            121.09      25.98     162.02

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7656.*

INPUT
Description:
Station Elevation Data    num=      51
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     712  224.41  703.39  379.37  700.05  392.72  698.12  420.77  690.85
  426.79  689.91  474.21  689.21  806.15  644.28   869.6  641.55  897.65  634.09
 1009.86  630.94 1090.67  626.27 1122.07  624.45 1234.27   621.3 1327.78  622.83
 1346.48  622.62 1422.62  616.17  1612.3  610.78 1707.14  601.42 1754.56  600.07
 1801.98  605.39 1991.67     600 2116.67  574.33    2250  574.33    2340     590
    2400     600 2956.25     600 3726.44  606.67 4111.54  615.33 4210.17  616.21
 4411.06  618.89 4710.58  614.21 4796.15  614.59 4924.52  617.82 4964.41  617.69
 5095.67  616.67 5266.83  616.67 5395.19  623.33 5416.95  623.33  5567.8     620
 5609.13     620 5869.49  629.13 5951.44  632.91 6037.02  633.85 6079.81  629.66
 6165.38   630.6 6171.19  631.25 6548.31  702.51 6636.06  711.33    6850  711.33
    6850  712.67

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1991.67     .15    2400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1991.67    2400            57.54   57.54   57.54              .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.55    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.53    Reach Len. (ft)           57.54      57.54      57.54
  Crit W.S. (ft)                      Flow Area (sq ft)       227998.30   72482.87   606901.00
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            227998.30   72482.87   606901.00
  Q Total (cfs)           943811.30    Flow (cfs)             212032.70   91260.82   640517.90
  Top Width (ft)           6850.00    Top Width (ft)           1991.67     408.33    4450.00
  Vel Total (ft/s)            1.04    Avg. Vel. (ft/s)            0.93       1.26       1.06
  Max Chl Dpth (ft)         186.20    Hydr. Depth (ft)          114.48     177.51     136.38
  Conv. Total (cfs)       232726600.0    Conv. (cfs)            52283380.0   22503250.0   157940000.0
  Length Wtd. (ft)           57.54    Wetted Per. (ft)         2047.10     413.12    4507.26
  Min Ch El (ft)            574.33    Shear (lb/sq ft)            0.11       0.18       0.14
  Alpha                       1.02    Stream Power (lb/ft s)      0.11       0.23       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13611.37    4563.26   22546.56
  C & E Loss (ft)                     Cum SA (acres)            118.44      25.44     156.05

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7598.4*

INPUT
Description:
Station Elevation Data    num=      51
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   712.4  221.97  703.25  375.24  700.06  388.45  698.31   416.2  690.76
  422.14  689.89  469.05  689.05  797.38  647.13  860.14  644.39  887.89  635.68
  998.87  632.85 1078.81  627.92 1109.86  626.01 1220.85  623.17 1313.33   625.8
 1331.83  625.85 1407.14  619.4 1594.76  612.94 1688.57   603.7 1735.48  602.08
 1782.38  606.47    1970     600    2100   574.2    2230   574.2    2326     590
    2390     600  2927.5     600 3671.73     606 4043.85   613.8 4139.15  614.59
 4333.27  617.27 4622.69  613.45 4705.38  613.91 4829.42  616.99 4867.97  616.92
 4994.81     616 5160.19     616 5284.23     622 5305.25     622 5451.02     618
 5490.96     618 5742.54  626.21 5821.73  629.89 5904.42  631.02 5945.77  627.39
 6028.46  628.52 6034.07  629.13 6398.47  703.26 6483.27   711.2    6690   711.2
    6690   712.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    1970     .15    2390     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          1970    2390            57.54   57.54   57.54              .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.55    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.53    Reach Len. (ft)           57.54      57.54      57.54
  Crit W.S. (ft)                      Flow Area (sq ft)       222724.20   74492.47   590403.40
  E.G. Slope (ft/ft)      0.000017    Area (sq ft)            222724.20   74492.47   590403.40
  Q Total (cfs)           943809.10    Flow (cfs)             209608.70   95710.91   638489.60
  Top Width (ft)           6690.00    Top Width (ft)           1970.00     420.00    4300.00
  Vel Total (ft/s)            1.06    Avg. Vel. (ft/s)            0.94       1.28       1.08
  Max Chl Dpth (ft)         186.33    Hydr. Depth (ft)          113.06     177.36     137.30
  Conv. Total (cfs)       228047300.0    Conv. (cfs)            50646560.0   23126090.0   154274600.0
  Length Wtd. (ft)           57.54    Wetted Per. (ft)         2025.11     424.60    4357.99
  Min Ch El (ft)            574.20    Shear (lb/sq ft)            0.12       0.19       0.14
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  Alpha                        1.02    Stream Power (lb/ft s)      0.11       0.24       0.16
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    13313.68    4466.18   21755.78
  C & E Loss (ft)                      Cum SA (acres)            115.82      24.90     150.27


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7540.8*

INPUT
Description:
Station Elevation Data    num=      51
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   712.8  219.53  703.11  371.11  700.07  384.18   698.5  411.62  690.68
   417.5  689.88  463.89  688.89  788.61  649.99  850.68  647.24  878.12  637.28
  987.89  634.75 1066.94  629.57 1097.65  627.56 1207.42  625.04 1298.89  628.77
 1317.18  629.09 1391.67  622.64 1577.22  615.09    1670  605.99 1716.39   604.1
 1762.78  607.55 1948.33     600 2083.33  574.07    2210  574.07    2312     590
    2380     600 2898.75     600 3617.02  605.33 3976.15  612.27 4068.14  612.97
 4255.48  615.64 4534.81   612.7 4614.62  613.23 4734.33  616.15 4771.53  616.15
 4893.94  615.33 5053.56  615.33 5173.27  620.67 5193.56  620.67 5334.24     616
 5372.79     616 5615.59   623.3 5692.02  626.87 5771.83  628.19 5811.73  625.12
 5891.54  626.44 5896.95     627 6248.64  704.01 6330.48  711.07    6530  711.07
    6530  712.13

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1948.33     .15    2380     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1948.33    2380             57.54   57.54   57.54              .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.55    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.53    Reach Len. (ft)            57.54      57.54      57.54
  Crit W.S. (ft)                      Flow Area (sq ft)       217507.80   76502.52   573630.80
  E.G. Slope (ft/ft)      0.000018    Area (sq ft)            217507.80   76502.52   573630.80
  Q Total (cfs)           943807.00    Flow (cfs)             207285.90   100384.80   636136.30
  Top Width (ft)           6530.00    Top Width (ft)          1948.33     431.67    4150.00
  Vel Total (ft/s)            1.09    Avg. Vel. (ft/s)           0.95       1.31       1.11
  Max Chl Dpth (ft)         186.46    Hydr. Depth (ft)         111.64     177.22     138.22
  Conv. Total (cfs)       223280600.0    Conv. (cfs)            49038530.0   23748470.0   150493600.0
  Length Wtd. (ft)           57.54    Wetted Per. (ft)        2003.26     436.11    4208.82
  Min Ch El (ft)            574.07    Shear (lb/sq ft)           0.12       0.20       0.15
  Alpha                       1.02    Stream Power (lb/ft s)     0.12       0.26       0.17
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13022.92    4366.46   20986.97
  C & E Loss (ft)                     Cum SA (acres)            113.24      24.33     144.69


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7483.2*

INPUT
Description:
Station Elevation Data    num=      51
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   713.2  217.09  702.97  366.98  700.08  379.91  698.69  407.04  690.59
  412.86  689.86  458.73  688.73  779.84  652.84  841.22  650.08  868.36  638.87
   976.9  636.66 1055.08  631.23 1085.45  629.12 1193.99  626.91 1284.44  631.73
 1302.54  632.33 1376.19  625.87 1559.68  617.25 1651.43  608.27  1697.3  606.11
 1743.17  608.62 1926.67     600 2066.67  573.93    2190  573.93    2298     590
    2370     600    2870     600 3562.31  604.67 3908.46  610.73 3997.12  611.35
 4177.69  614.02 4446.92  611.94 4523.85  612.54 4639.23  615.32 4675.08  615.38
 4793.08  614.67 4946.92  614.67 5062.31  619.33 5081.86  619.33 5217.46     614
 5254.62     614 5488.64  620.39 5562.31  623.85 5639.23  625.36 5677.69  622.85
 5754.62  624.36 5759.83  624.88 6098.81  704.76 6177.69  710.93    6370  710.93
    6370  711.87

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1926.67     .15    2370     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1926.67    2370             57.54   57.54   57.54              .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.55    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.53    Reach Len. (ft)            57.54      57.54      57.54
  Crit W.S. (ft)                      Flow Area (sq ft)       212358.00   78513.52   556576.70
  E.G. Slope (ft/ft)      0.000019    Area (sq ft)            212358.00   78513.52   556576.70
  Q Total (cfs)           943804.90    Flow (cfs)             205081.10   105305.80   633418.00
  Top Width (ft)           6370.00    Top Width (ft)          1926.67     443.33    4000.00
  Vel Total (ft/s)            1.11    Avg. Vel. (ft/s)           0.97       1.34       1.14
  Max Chl Dpth (ft)         186.60    Hydr. Depth (ft)         110.22     177.10     139.14
  Conv. Total (cfs)       218425700.0    Conv. (cfs)            47462120.0   24371030.0   146592500.0
  Length Wtd. (ft)           57.54    Wetted Per. (ft)        1981.56     447.62    4059.76
  Min Ch El (ft)            573.93    Shear (lb/sq ft)           0.12       0.20       0.16
  Alpha                       1.03    Stream Power (lb/ft s)     0.12       0.27       0.18
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12739.01    4264.07   20240.51
  C & E Loss (ft)                     Cum SA (acres)            110.68      23.76     139.30


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7425.6*

INPUT
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Description:
Station Elevation Data    num=      51
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   713.6  214.65  702.83  362.86   700.1  375.63  698.87  402.46  690.51
  408.21  689.84  453.57  688.57  771.07   655.7  831.76  652.93  858.59  640.46
  965.92  638.56 1043.21  632.88 1073.24  630.67 1180.56  628.78    1270   634.7
 1287.89  635.57 1360.71  629.11 1542.14   619.4 1632.86  610.55 1678.21  608.13
 1723.57   609.7    1905     600    2050   573.8    2170   573.8    2284     590
    2360     600 2841.25     600  3507.6     604 3840.77   609.2  3926.1  609.73
  4099.9   612.4 4359.04  611.18 4433.08  611.86 4544.13  614.48 4578.64  614.61
 4692.21     614 4840.29     614 4951.35     618 4970.17     618 5100.68     612
 5136.44     612 5361.69  617.48  5432.6  620.83 5506.63  622.53 5543.65  620.58
 5617.69  622.28 5622.71  622.75 5948.98  705.51  6024.9   710.8    6210   710.8
    6210   711.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    1905     .15    2360     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          1905    2360             57.54   57.54   57.54             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.54    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.52    Reach Len. (ft)            57.54      57.54      57.54
  Crit W.S. (ft)                      Flow Area (sq ft)       207264.90   80524.40   539249.40
  E.G. Slope (ft/ft)      0.000020    Area (sq ft)            207264.90   80524.40   539249.40
  Q Total (cfs)           943802.80    Flow (cfs)             202986.20   110493.40   630323.30
  Top Width (ft)           6210.00    Top Width (ft)          1905.00     455.00    3850.00
  Vel Total (ft/s)            1.14    Avg. Vel. (ft/s)           0.98       1.37       1.17
  Max Chl Dpth (ft)         186.72    Hydr. Depth (ft)         108.80     176.98     140.06
  Conv. Total (cfs)       213481100.0    Conv. (cfs)            45913930.0   24992770.0   142574400.0
  Length Wtd. (ft)           57.54    Wetted Per. (ft)        1959.99     459.15    3910.82
  Min Ch El (ft)            573.80    Shear (lb/sq ft)           0.13       0.21       0.17
  Alpha                       1.03    Stream Power (lb/ft s)     0.13       0.29       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12461.86    4159.03   19516.75
  C & E Loss (ft)                     Cum SA (acres)            108.15      23.16     134.12


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7368.*

INPUT
Description:
Station Elevation Data    num=      51
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     714  212.21  702.69  358.73  700.11  371.36  699.06  397.89  690.42
  403.57  689.82  448.41  688.41   762.3  658.55   822.3  655.77  848.83  642.05
  954.93  640.47 1031.35  634.53 1061.03  632.23 1167.14  630.65 1255.56  637.67
 1273.24  638.81 1345.24  632.34  1524.6  621.56 1614.29  612.84 1659.13  610.14
 1703.97  610.78 1883.33     600 2033.33  573.67    2150  573.67    2270     590
    2350     600  2812.5     600 3452.88  603.33 3773.08  607.67 3855.08  608.11
 4022.12  610.78 4271.15  610.42 4342.31  611.18 4449.04  613.65  4482.2  613.84
 4591.35  613.33 4733.65  613.33 4840.38  616.67 4858.47  616.67  4983.9     610
 5018.27     610 5234.75  614.56 5302.88  617.81 5374.04   619.7 5409.62  618.31
 5480.77  620.21 5485.59  620.63 5799.15  706.25 5872.12  710.67    6050  710.67
    6050  711.33

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1883.33     .15    2350     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1883.33    2350             57.54   57.54   57.54             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.54    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.52    Reach Len. (ft)            57.54      57.54      57.54
  Crit W.S. (ft)                      Flow Area (sq ft)       202233.90   82535.65   521645.70
  E.G. Slope (ft/ft)      0.000021    Area (sq ft)            202233.90   82535.65   521645.70
  Q Total (cfs)           943800.90    Flow (cfs)             201014.10   115976.00   626810.80
  Top Width (ft)           6050.00    Top Width (ft)          1883.33     466.67    3700.00
  Vel Total (ft/s)            1.17    Avg. Vel. (ft/s)           0.99       1.41       1.20
  Max Chl Dpth (ft)         186.85    Hydr. Depth (ft)         107.38     176.86     140.99
  Conv. Total (cfs)       208446300.0    Conv. (cfs)            44395640.0   25614270.0   138436400.0
  Length Wtd. (ft)           57.54    Wetted Per. (ft)        1938.56     470.69    3762.01
  Min Ch El (ft)            573.67    Shear (lb/sq ft)           0.13       0.22       0.18
  Alpha                       1.03    Stream Power (lb/ft s)     0.13       0.32       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12191.40    4051.34   18816.06
  C & E Loss (ft)                     Cum SA (acres)            105.64      22.55     129.13


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7310.4*

INPUT
Description:
Station Elevation Data    num=      51
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   714.4  209.77  702.56   354.6  700.12  367.09  699.25  393.31  690.34
  398.93   689.8  443.25  688.25  753.53  661.41  812.84  658.62  839.06  643.64
  943.94  642.38 1019.48  636.18 1048.83  633.78 1153.71  632.52 1241.11  640.63
 1258.59  642.05 1329.76  635.57 1507.06  623.72 1595.71  615.12 1640.04  612.16
 1684.37  611.86 1861.67     600 2016.67  573.53    2130  573.53    2256     590
    2340     600 2783.75     600 3398.17  602.67 3705.38  606.13 3784.07  606.48
 3944.33  609.15 4183.27  609.67 4251.54   610.5 4353.94  612.81 4385.76  613.08
 4490.48  612.67 4627.02  612.67 4729.42  615.33 4746.78  615.33 4867.12     608
  4900.1     608  5107.8  611.65 5173.17  614.79 5241.44  616.87 5275.58  616.05
 5343.85  618.13 5348.47   618.5 5649.32     707 5719.33  710.53    5890  710.53
    5890  711.07
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1861.67     .15    2340     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1861.67    2340            57.54   57.54   57.54             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.54    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.51    Reach Len. (ft)            57.54      57.54      57.54
  Crit W.S. (ft)                      Flow Area (sq ft)       197262.90   84547.90   503763.00
  E.G. Slope (ft/ft)      0.000022    Area (sq ft)            197262.90   84547.90   503763.00
  Q Total (cfs)           943799.00    Flow (cfs)             199169.60   121787.90   622841.40
  Top Width (ft)           5890.00    Top Width (ft)          1861.67     478.33    3550.00
  Vel Total (ft/s)            1.20    Avg. Vel. (ft/s)           1.01       1.44       1.24
  Max Chl Dpth (ft)         186.98    Hydr. Depth (ft)         105.96     176.76     141.91
  Conv. Total (cfs)       203318000.0    Conv. (cfs)            42906150.0   26236170.0   134175700.0
  Length Wtd. (ft)           57.54    Wetted Per. (ft)        1917.30     482.24    3613.36
  Min Ch El (ft)            573.53    Shear (lb/sq ft)           0.14       0.24       0.19
  Alpha                       1.03    Stream Power (lb/ft s)     0.14       0.34       0.23
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11927.54    3940.98   18138.81
  C & E Loss (ft)                     Cum SA (acres)            103.17      21.93     124.34


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7252.8*

INPUT
Description:
Station Elevation Data    num=      51
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   714.8  207.32  702.42  350.48  700.13  362.82  699.44  388.73  690.25
  394.29  689.79   438.1   688.1  744.76  664.26  803.38  661.46   829.3  645.23
  932.96  644.28 1007.62  637.84 1036.62  635.34 1140.28  634.39 1226.67   643.6
 1243.94  645.28 1314.29  638.81 1489.52  625.87 1577.14   617.4 1620.95  614.17
 1664.76  612.94    1840     600    2000   573.4    2110   573.4    2242     590
    2330     600    2755     600 3343.46     602 3637.69   604.6 3713.05  604.86
 3866.54  607.53 4095.38  608.91 4160.77  609.82 4258.85  611.98 4289.32  612.31
 4389.62     612 4520.38     612 4618.46     614 4635.08     614 4750.34     606
 4781.92     606 4980.85  608.74 5043.46  611.77 5108.85  614.04 5141.54  613.78
 5206.92  616.05 5211.36  616.38 5499.49  707.75 5566.54   710.4    5730   710.4
    5730   710.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    1840     .15    2330     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          1840    2330            57.54   57.54   57.54             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.54    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.51    Reach Len. (ft)            57.54      57.54      57.54
  Crit W.S. (ft)                      Flow Area (sq ft)       192353.50   86559.89   485603.20
  E.G. Slope (ft/ft)      0.000023    Area (sq ft)            192353.50   86559.89   485603.20
  Q Total (cfs)           943797.30    Flow (cfs)             197464.60   127957.50   618375.20
  Top Width (ft)           5730.00    Top Width (ft)          1840.00     490.00    3400.00
  Vel Total (ft/s)            1.23    Avg. Vel. (ft/s)           1.03       1.48       1.27
  Max Chl Dpth (ft)         187.11    Hydr. Depth (ft)         104.54     176.65     142.82
  Conv. Total (cfs)       198096100.0    Conv. (cfs)            41446370.0   26857350.0   129792400.0
  Length Wtd. (ft)           57.54    Wetted Per. (ft)        1896.17     493.80    3464.86
  Min Ch El (ft)            573.40    Shear (lb/sq ft)           0.14       0.25       0.20
  Alpha                       1.04    Stream Power (lb/ft s)     0.15       0.37       0.25
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11670.21    3827.97   17485.37
  C & E Loss (ft)                     Cum SA (acres)            100.73      21.29     119.75


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7195.2*

INPUT
Description:
Station Elevation Data    num=      51
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   715.2  204.88  702.28  346.35  700.14  358.54  699.62  384.15  690.17
  389.64  689.77  432.94  687.94  735.99  667.12  793.92  664.31  819.53  646.82
  921.97  646.19  995.75  639.49 1024.41  636.89 1126.85  636.26 1212.22  646.57
  1229.3  648.52 1298.81  642.04 1471.98  628.03 1558.57  619.69 1601.87  616.18
 1645.16  614.01 1818.33     600 1983.33  573.27    2090  573.27    2228     590
    2320     600 2726.25     600 3288.75  601.33    3570  603.07 3642.03  603.24
 3788.75  605.91  4007.5  608.15    4070  609.13 4163.75  611.14 4192.88  611.54
 4288.75  611.33 4413.75  611.33  4507.5  612.67 4523.39  612.67 4633.56     604
 4663.75     604  4853.9  605.83 4913.75  608.75 4976.25  611.21  5007.5  611.51
    5070  613.97 5074.24  614.25 5349.66   708.5 5413.75  710.27    5570  710.27
    5570  710.53

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1818.33     .15    2320     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1818.33    2320            57.54   57.54   57.54             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.53    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.51    Reach Len. (ft)            57.54      57.54      57.54
  Crit W.S. (ft)                      Flow Area (sq ft)       187505.00   88572.13   467168.60
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  E.G. Slope (ft/ft)      0.000024    Area (sq ft)            187505.00   88572.13   467168.60
  Q Total (cfs)           943795.40    Flow (cfs)              195905.20   134526.30   613363.90
  Top Width (ft)           5570.00    Top Width (ft)           1818.33     501.67    3250.00
  Vel Total (ft/s)            1.27    Avg. Vel. (ft/s)            1.04       1.52       1.31
  Max Chl Dpth (ft)         187.24    Hydr. Depth (ft)          103.12     176.55     143.74
  Conv. Total (cfs)       192779800.0    Conv. (cfs)             40015630.0   27478360.0   125285800.0
  Length Wtd. (ft)           57.54    Wetted Per. (ft)         1875.18     505.37    3316.55
  Min Ch El (ft)            573.27    Shear (lb/sq ft)            0.15       0.26       0.21
  Alpha                       1.04    Stream Power (lb/ft s)      0.16       0.40       0.28
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11419.33    3712.30   16856.09
  C & E Loss (ft)                     Cum SA (acres)             98.31      20.64     115.36


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7137.6*

INPUT
Description:
Station Elevation Data    num=      51
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   715.6  202.44  702.14  342.22  700.15  354.27  699.81  379.58  690.08
     385  689.75  427.78  687.78  727.22  669.97  784.46  667.15  809.77  648.41
  910.99  648.09  983.89  641.14 1012.21  638.45 1113.43  638.13 1197.78  649.53
 1214.65  651.76 1283.33  645.28 1454.44  630.18    1540  621.97 1582.78   618.2
 1625.56  615.09 1796.67     600 1966.67  573.13    2070  573.13    2214     590
    2310     600  2697.5     600 3234.04  600.67 3502.31  601.53 3571.02  601.62
 3710.96  604.29 3919.62  607.39 3979.23  608.45 4068.65  610.31 4096.44  610.77
 4187.88  610.67 4307.12  610.67 4396.54  611.33  4411.7  611.33 4516.78     602
 4545.58     602 4726.95  602.91 4784.04  605.74 4843.65  608.38 4873.46  609.24
 4933.08  611.89 4937.12  612.12 5199.83  709.25 5260.96  710.13    5410  710.13
    5410  710.27

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1796.67     .15    2310     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1796.67    2310             57.54   57.54   57.54             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.53    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.50    Reach Len. (ft)            57.54      57.54      57.54
  Crit W.S. (ft)                      Flow Area (sq ft)       182721.00   90585.34   448454.50
  E.G. Slope (ft/ft)      0.000025    Area (sq ft)            182721.00   90585.34   448454.50
  Q Total (cfs)           943793.80    Flow (cfs)              194508.80   141543.00   607741.90
  Top Width (ft)           5410.00    Top Width (ft)           1796.67     513.33    3100.00
  Vel Total (ft/s)            1.31    Avg. Vel. (ft/s)            1.06       1.56       1.36
  Max Chl Dpth (ft)         187.37    Hydr. Depth (ft)          101.70     176.47     144.66
  Conv. Total (cfs)       187367000.0    Conv. (cfs)             38614940.0   28099880.0   120652200.0
  Length Wtd. (ft)           57.54    Wetted Per. (ft)         1854.36     516.94    3168.47
  Min Ch El (ft)            573.13    Shear (lb/sq ft)            0.16       0.28       0.22
  Alpha                       1.04    Stream Power (lb/ft s)      0.17       0.43       0.30
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11174.81    3593.98   16251.35
  C & E Loss (ft)                     Cum SA (acres)             95.92      19.97     111.17


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7080

INPUT
Description:
Station Elevation Data    num=      23
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     716     200     702     350     700     375     690     775     670
     800     650     900     650    1000     640    1100     640    1200     655
    1775     600    1950     573    2050     573    2200     590    2300     600
    3500     600    4000     610    4300     610    4400     600    4600     600
    4800     610    5050     710    5250     710

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    1775     .15    2300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          1775    2300             14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.53    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.50    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       177993.40   92598.05   429464.00
  E.G. Slope (ft/ft)      0.000027    Area (sq ft)            177993.40   92598.05   429464.00
  Q Total (cfs)           943792.20    Flow (cfs)              193277.50   149055.40   601459.30
  Top Width (ft)           5250.00    Top Width (ft)           1775.00     525.00    2950.00
  Vel Total (ft/s)            1.35    Avg. Vel. (ft/s)            1.09       1.61       1.40
  Max Chl Dpth (ft)         187.50    Hydr. Depth (ft)          100.28     176.38     145.58
  Conv. Total (cfs)       181854000.0    Conv. (cfs)             37241540.0   28720630.0   115891800.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1833.68     528.53    3020.60
  Min Ch El (ft)            573.00    Shear (lb/sq ft)            0.16       0.29       0.24
  Alpha                       1.05    Stream Power (lb/ft s)      0.18       0.47       0.33
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10936.57    3472.99   15671.52
  C & E Loss (ft)                     Cum SA (acres)             93.56      19.28     107.17


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7065.01*
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INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  715.73   75.72  710.48  200.49  701.77  350.86  699.71  375.92  689.77
  378.59  689.64   643.6  676.52  757.17  670.75  757.17   670.6   776.9  669.62
  801.96  649.77  889.68  649.77  902.21  649.76  946.47  645.35 1002.45   639.8
 1022.18   639.8 1060.04  639.77  1102.7  639.76 1202.94   654.6 1249.34  650.19
 1779.36  599.92 1953.79  572.98 2053.98  572.98  2203.3  589.94 2302.84  599.92
  2924.2  600.02 3172.74  600.07 3499.22  600.07 3504.13  600.17 3835.53   606.7
 3918.37  608.34 3997.71  609.91 4296.81  609.86 4332.61  606.29  4396.5  599.99
  4595.9  600.16  4795.3  610.25 5044.54  709.71 5243.94  709.88

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1779.36     .15 2302.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1779.36 2302.84            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.53    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.50    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       178847.10   92359.89   428190.10
  E.G. Slope (ft/ft)      0.000027    Area (sq ft)            178847.10   92359.89   428190.10
  Q Total (cfs)           943791.80    Flow (cfs)             194690.50   148847.00   600254.30
  Top Width (ft)           5243.94    Top Width (ft)           1779.36     523.48    2941.10
  Vel Total (ft/s)            1.35    Avg. Vel. (ft/s)            1.09       1.61       1.40
  Max Chl Dpth (ft)         187.52    Hydr. Depth (ft)          100.51     176.43     145.59
  Conv. Total (cfs)       181677600.0    Conv. (cfs)            37477430.0   28652670.0   115547400.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1838.26     527.01    3011.67
  Min Ch El (ft)            572.98    Shear (lb/sq ft)            0.16       0.30       0.24
  Alpha                       1.05    Stream Power (lb/ft s)      0.18       0.48       0.34
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10875.25    3441.21   15524.14
  C & E Loss (ft)                     Cum SA (acres)             92.95      19.10     106.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7050.03*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  715.45    75.9  710.25  200.98  701.54  351.72  699.42  376.84  689.55
  379.51  689.41  645.17   676.4  759.03  670.51  759.03  670.21   778.8  669.24
  803.93  649.55  891.86  649.55  904.42  649.53  948.78  645.12 1004.91   639.6
 1024.69  639.59 1062.64  639.55  1105.4  639.51 1205.89   654.2 1252.39  649.81
 1783.71  599.83 1957.58  572.97 2057.95  572.97 2206.59  589.88 2305.68  599.83
 2925.16  600.05 3172.95  600.14 3498.44  600.14 3503.34  600.23 3833.73  606.64
 3916.33  608.28 3995.42  609.82 4293.61  609.72 4329.31  606.17 4393.01  599.97
  4591.8  600.31 4790.59   610.5 5039.09  709.42 5237.88  709.76

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1783.71     .15 2305.68     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1783.71 2305.68            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.52    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.49    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       179701.90   92121.82   426922.40
  E.G. Slope (ft/ft)      0.000027    Area (sq ft)            179701.90   92121.82   426922.40
  Q Total (cfs)           943791.40    Flow (cfs)             196106.20   148634.90   599050.20
  Top Width (ft)           5237.88    Top Width (ft)           1783.71     521.97    2932.20
  Vel Total (ft/s)            1.35    Avg. Vel. (ft/s)            1.09       1.61       1.40
  Max Chl Dpth (ft)         187.52    Hydr. Depth (ft)          100.75     176.49     145.60
  Conv. Total (cfs)       181504400.0    Conv. (cfs)            37714000.0   28584590.0   115205800.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1842.82     525.49    3002.73
  Min Ch El (ft)            572.97    Shear (lb/sq ft)            0.16       0.30       0.24
  Alpha                       1.05    Stream Power (lb/ft s)      0.18       0.48       0.34
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10813.64    3409.51   15377.21
  C & E Loss (ft)                     Cum SA (acres)             92.34      18.92     105.15


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7035.04*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  715.18   76.09  710.01  201.47  701.31  352.58  699.13  377.76  689.32
  380.44  689.19  646.75  676.27  760.88  670.28  760.88  669.83  780.71  668.86
  805.89  649.32  894.03  649.32  906.63  649.29   951.1  644.89 1007.36   639.4
 1027.19  639.39 1065.23  639.32  1108.1  639.27 1208.83  653.81 1255.45  649.42
 1788.07  599.75 1961.36  572.95 2061.93  572.95 2209.89  589.81 2308.52  599.75
 2926.12  600.07 3173.16   600.2 3497.66   600.2 3502.54   600.3 3831.93  606.59
 3914.28  608.22 3993.13  609.73 4290.42  609.59 4326.01  606.06 4389.51  599.96
  4587.7  600.47 4785.89  610.76 5033.63  709.12 5231.82  709.64

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1788.07     .15 2308.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1788.07 2308.52            14.97   14.97   14.97             .1       .3
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CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.52    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.49    Reach Len. (ft)           14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       180560.20   91884.66   425650.80
  E.G. Slope (ft/ft)      0.000027    Area (sq ft)            180560.20   91884.66   425650.80
  Q Total (cfs)           943790.90    Flow (cfs)             197530.90   148425.50   597834.50
  Top Width (ft)           5231.82    Top Width (ft)          1788.07     520.45    2923.30
  Vel Total (ft/s)            1.35    Avg. Vel. (ft/s)           1.09       1.62       1.40
  Max Chl Dpth (ft)         187.54    Hydr. Depth (ft)         100.98     176.55     145.61
  Conv. Total (cfs)       181331500.0    Conv. (cfs)           37951810.0   28517150.0   114862600.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        1847.41     523.97    2993.79
  Min Ch El (ft)            572.95    Shear (lb/sq ft)           0.17       0.30       0.24
  Alpha                       1.05    Stream Power (lb/ft s)     0.18       0.48       0.34
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10751.74    3377.89   15230.71
  C & E Loss (ft)                     Cum SA (acres)             91.73      18.74     104.14


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7020.06*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  714.91   76.27  709.78  201.96  701.08  353.44  698.84  378.68   689.1
  381.37  688.96  648.32  676.14  762.73  670.05  762.73  669.44  782.61  668.48
  807.85  649.09  896.21  649.09  908.83  649.06  953.42  644.66 1009.82   639.2
 1029.69  639.18 1067.83  639.09  1110.8  639.02 1211.78  653.41 1258.51  649.04
 1792.42  599.67 1965.15  572.94 2065.91  572.94 2213.18  589.75 2311.36  599.67
 2927.08  600.09 3173.37  600.27 3496.88  600.27 3501.75  600.37 3830.13  606.54
 3912.23  608.15 3990.84  609.64 4287.22  609.45 4322.71  605.94 4386.02  599.95
  4583.6  600.63 4781.19  611.01 5028.17  708.83 5225.76  709.52

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1792.42     .15 2311.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1792.42 2311.36            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.52    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.49    Reach Len. (ft)           14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       181418.60   91645.00   424377.70
  E.G. Slope (ft/ft)      0.000027    Area (sq ft)            181418.60   91645.00   424377.70
  Q Total (cfs)           943790.60    Flow (cfs)             198962.10   148209.40   596619.10
  Top Width (ft)           5225.76    Top Width (ft)          1792.42     518.94    2914.40
  Vel Total (ft/s)            1.35    Avg. Vel. (ft/s)           1.10       1.62       1.41
  Max Chl Dpth (ft)         187.55    Hydr. Depth (ft)         101.21     176.60     145.61
  Conv. Total (cfs)       181156600.0    Conv. (cfs)           38189920.0   28448160.0   114518500.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        1851.98     522.45    2984.86
  Min Ch El (ft)            572.94    Shear (lb/sq ft)           0.17       0.30       0.24
  Alpha                       1.05    Stream Power (lb/ft s)     0.18       0.48       0.34
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10689.54    3346.35   15084.65
  C & E Loss (ft)                     Cum SA (acres)             91.11      18.56     103.14


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7005.07*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  714.64   76.46  709.55  202.45  700.85  354.29  698.55   379.6  688.87
  382.29  688.74   649.9  676.02  764.59  669.81  764.59  669.05  784.51  668.11
  809.82  648.86  898.39  648.86  911.04  648.82  955.73  644.43 1012.27     639
 1032.19  638.98 1070.42  638.86  1113.5  638.78 1214.72  653.01 1261.57  648.66
 1796.78  599.58 1968.94  572.92 2069.89  572.92 2216.48  589.69  2314.2  599.58
 2928.04  600.11 3173.58  600.34  3496.1  600.34 3500.96  600.44 3828.33  606.49
 3910.18  608.09 3988.56  609.56 4284.03  609.31  4319.4  605.82 4382.52  599.93
  4579.5  600.79 4776.49  611.26 5022.71  708.54  5219.7  709.39

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1796.78     .15  2314.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1796.78  2314.2            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.52    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.49    Reach Len. (ft)           14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       182279.10   91407.45   423107.00
  E.G. Slope (ft/ft)      0.000027    Area (sq ft)            182279.10   91407.45   423107.00
  Q Total (cfs)           943790.10    Flow (cfs)             200397.20   147997.80   595395.10
  Top Width (ft)           5219.70    Top Width (ft)          1796.78     517.42    2905.50
  Vel Total (ft/s)            1.35    Avg. Vel. (ft/s)           1.10       1.62       1.41
  Max Chl Dpth (ft)         187.57    Hydr. Depth (ft)         101.45     176.66     145.62
  Conv. Total (cfs)       180984700.0    Conv. (cfs)           38428920.0   28380620.0   114175200.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        1856.57     520.93    2975.94
  Min Ch El (ft)            572.92    Shear (lb/sq ft)           0.17       0.30       0.24
  Alpha                       1.04    Stream Power (lb/ft s)     0.18       0.48       0.34
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10627.04    3314.90   14939.02
  C & E Loss (ft)                     Cum SA (acres)             90.49      18.38     102.14
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6990.09*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  714.36   76.64  709.32  202.94  700.63  355.15  698.27  380.52  688.64
  383.22  688.51  651.47  675.89  766.44  669.58  766.44  668.67  786.41  667.73
  811.78  648.64  900.57  648.64  913.25  648.59  958.05  644.19 1014.72   638.8
  1034.7  638.77 1073.02  638.64  1116.2  638.53 1217.67  652.61 1264.63  648.27
 1801.14   599.5 1972.73  572.91 2073.86  572.91 2219.77  589.63 2317.05   599.5
    2929  600.14 3173.78  600.41 3495.32  600.41 3500.16   600.5 3826.54  606.44
 3908.13  608.03 3986.27  609.47 4280.84  609.17  4316.1  605.71 4379.03  599.92
  4575.4  600.94 4771.78  611.51 5017.26  708.25 5213.64  709.27

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1801.14     .15 2317.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1801.14 2317.05            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.52    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.49    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       183142.80   91167.28   421829.70
  E.G. Slope (ft/ft)      0.000027    Area (sq ft)            183142.80   91167.28   421829.70
  Q Total (cfs)           943789.80    Flow (cfs)             201844.70   147779.40   594165.80
  Top Width (ft)           5213.64    Top Width (ft)           1801.14     515.91    2896.59
  Vel Total (ft/s)            1.36    Avg. Vel. (ft/s)            1.10       1.62       1.41
  Max Chl Dpth (ft)         187.58    Hydr. Depth (ft)          101.68     176.71     145.63
  Conv. Total (cfs)       180809900.0    Conv. (cfs)            38669130.0   28311360.0   113829400.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1861.16     519.41    2967.00
  Min Ch El (ft)            572.91    Shear (lb/sq ft)            0.17       0.30       0.24
  Alpha                       1.04    Stream Power (lb/ft s)      0.18       0.48       0.34
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10564.25    3283.53   14793.83
  C & E Loss (ft)                     Cum SA (acres)             89.88      18.21     101.14


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6975.10*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  714.09   76.83  709.08  203.44   700.4  356.01  697.98  381.44  688.42
  384.15  688.28  653.05  675.77  768.29  669.34  768.29  668.28  788.31  667.35
  813.74  648.41  902.75  648.41  915.46  648.35  960.37  643.96 1017.18   638.6
  1037.2  638.57 1075.61  638.41  1118.9  638.29 1220.61  652.21 1267.69  647.89
 1805.49  599.42 1976.52  572.89 2077.84  572.89 2223.07  589.57 2319.89  599.42
 2929.96  600.16 3173.99  600.48 3494.54  600.48 3499.37  600.57 3824.74  606.39
 3906.08  607.96 3983.98  609.38 4277.64  609.03  4312.8  605.59 4375.53  599.91
 4571.31   601.1 4767.08  611.77  5011.8  707.96 5207.58  709.15

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1805.49     .15 2319.89     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1805.49 2319.89            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.52    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.49    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       184005.90   90929.84   420554.20
  E.G. Slope (ft/ft)      0.000027    Area (sq ft)            184005.90   90929.84   420554.20
  Q Total (cfs)           943789.40    Flow (cfs)             203294.00   147565.50   592929.90
  Top Width (ft)           5207.58    Top Width (ft)           1805.49     514.40    2887.69
  Vel Total (ft/s)            1.36    Avg. Vel. (ft/s)            1.10       1.62       1.41
  Max Chl Dpth (ft)         187.60    Hydr. Depth (ft)          101.91     176.77     145.64
  Conv. Total (cfs)       180637400.0    Conv. (cfs)            38909630.0   28243430.0   113484300.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1865.73     517.90    2958.06
  Min Ch El (ft)            572.89    Shear (lb/sq ft)            0.17       0.30       0.24
  Alpha                       1.04    Stream Power (lb/ft s)      0.19       0.49       0.34
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10501.16    3252.24   14649.09
  C & E Loss (ft)                     Cum SA (acres)             89.26      18.03     100.15


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6960.12*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  713.82   77.01  708.85  203.93  700.17  356.87  697.69  382.36  688.19
  385.07  688.06  654.63  675.64  770.15  669.11  770.15  667.89  790.22  666.97
  815.71  648.18  904.92  648.18  917.67  648.11  962.69  643.73 1019.63   638.4
  1039.7  638.36 1078.21  638.18  1121.6  638.05 1223.56  651.82 1270.74  647.51
 1809.85  599.33  1980.3  572.88 2081.82  572.88 2226.36   589.5 2322.73  599.33
 2930.92  600.18  3174.2  600.55 3493.76  600.55 3498.57  600.64 3822.94  606.34
 3904.03   607.9 3981.69  609.29 4274.45   608.9  4309.5  605.47 4372.03  599.89
 4567.21  601.26 4762.38  612.02 5006.34  707.66 5201.52  709.03
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1809.85     .15 2322.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1809.85 2322.73            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.52    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.49    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       184873.90   90690.44   419284.30
  E.G. Slope (ft/ft)      0.000027    Area (sq ft)            184873.90   90690.44   419284.30
  Q Total (cfs)           943788.90    Flow (cfs)             204750.20   147345.90   591692.80
  Top Width (ft)           5201.52    Top Width (ft)          1809.85     512.88    2878.79
  Vel Total (ft/s)            1.36    Avg. Vel. (ft/s)           1.11       1.62       1.41
  Max Chl Dpth (ft)         187.61    Hydr. Depth (ft)         102.15     176.83     145.65
  Conv. Total (cfs)       180468400.0    Conv. (cfs)            39151680.0   28175030.0   113141600.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        1870.33     516.37    2949.13
  Min Ch El (ft)            572.88    Shear (lb/sq ft)           0.17       0.30       0.24
  Alpha                       1.04    Stream Power (lb/ft s)     0.19       0.49       0.34
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10437.78    3221.03   14504.77
  C & E Loss (ft)                     Cum SA (acres)             88.63      17.85      99.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6945.13*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  713.55    77.2  708.62  204.42  699.94  357.73   697.4  383.28  687.97
     386  687.83   656.2  675.51     772  668.87     772  667.51  792.12  666.59
  817.67  647.95   907.1  647.95  919.88  647.88     965   643.5 1022.09  638.19
  1042.2  638.16  1080.8  637.95  1124.3   637.8  1226.5  651.42  1273.8  647.13
  1814.2  599.25 1984.09  572.86  2085.8  572.86 2229.66  589.44 2325.57  599.25
 2931.88   600.2 3174.41  600.61 3492.98  600.61 3497.78  600.71 3821.14  606.29
 3901.98  607.84  3979.4   609.2 4271.25  608.76 4306.19  605.36 4368.54  599.88
 4563.11  601.42 4757.68  612.27 5000.89  707.37 5195.45  708.91

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  1814.2     .15 2325.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        1814.2 2325.57            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.52    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.49    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       185742.80   90452.70   418013.60
  E.G. Slope (ft/ft)      0.000027    Area (sq ft)            185742.80   90452.70   418013.60
  Q Total (cfs)           943788.60    Flow (cfs)             206212.90   147126.70   590449.10
  Top Width (ft)           5195.45    Top Width (ft)          1814.20     511.37    2869.88
  Vel Total (ft/s)            1.36    Avg. Vel. (ft/s)           1.11       1.63       1.41
  Max Chl Dpth (ft)         187.63    Hydr. Depth (ft)         102.38     176.88     145.66
  Conv. Total (cfs)       180300500.0    Conv. (cfs)            39394700.0   28106940.0   112798800.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        1874.90     514.86    2940.19
  Min Ch El (ft)            572.86    Shear (lb/sq ft)           0.17       0.30       0.24
  Alpha                       1.04    Stream Power (lb/ft s)     0.19       0.49       0.34
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10374.09    3189.90   14360.90
  C & E Loss (ft)                     Cum SA (acres)             88.01      17.68      98.17


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6930.15*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  713.27    77.39  708.39  204.91  699.71  358.59  697.11   384.2  687.74
  386.93   687.6  657.78  675.39  773.86  668.64  773.86  667.12  794.02  666.21
  819.63  647.73  909.28  647.73  922.09  647.64  967.32  643.27 1024.54  637.99
 1044.71  637.95  1083.4  637.73    1127  637.56 1229.45  651.02 1276.86  646.74
 1818.56  599.17 1987.88  572.85 2089.77  572.85 2232.95  589.38 2328.41  599.17
 2932.84  600.23 3174.62  600.68  3492.2  600.68 3496.98  600.77 3819.34  606.24
 3899.94  607.77 3977.11  609.11 4268.06  608.62 4302.89  605.24 4365.04  599.87
 4559.01  601.57 4752.97  612.52 4995.43  707.08 5189.39  708.79

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1818.56     .15 2328.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1818.56 2328.41            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.52    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.49    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       186614.00   90210.19   416738.50
  E.G. Slope (ft/ft)      0.000027    Area (sq ft)            186614.00   90210.19   416738.50
  Q Total (cfs)           943788.10    Flow (cfs)             207685.50   146899.60   589203.10
  Top Width (ft)           5189.39    Top Width (ft)          1818.56     509.85    2860.98
  Vel Total (ft/s)            1.36    Avg. Vel. (ft/s)           1.11       1.63       1.41
  Max Chl Dpth (ft)         187.64    Hydr. Depth (ft)         102.62     176.93     145.66
  Conv. Total (cfs)       180128800.0    Conv. (cfs)            39638290.0   28036850.0   112453700.0
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  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1879.51     513.34    2931.26
  Min Ch El (ft)            572.85    Shear (lb/sq ft)            0.17       0.30       0.24
  Alpha                       1.04    Stream Power (lb/ft s)      0.19       0.49       0.34
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10310.11    3158.86   14217.46
  C & E Loss (ft)                     Cum SA (acres)             87.39      17.50      97.19


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6915.16*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     713   77.57  708.15   205.4  699.48  359.45  696.82  385.12  687.51
  387.85  687.38  659.35  675.26  775.71   668.4  775.71  666.74  795.92  665.83
   821.6   647.5  911.46   647.5   924.3  647.41  969.64  643.04    1027  637.79
 1047.21  637.75 1085.99   637.5 1129.69  637.31 1232.39  650.62 1279.92  646.36
 1822.92  599.08 1991.67  572.83 2093.75  572.83 2236.25  589.32 2331.25  599.08
  2933.8  600.25 3174.82  600.75 3491.42  600.75 3496.19  600.84 3817.55  606.18
 3897.89  607.71 3974.82  609.02 4264.87  608.48 4299.59  605.12 4361.55  599.85
 4554.91  601.73 4748.27  612.77 4989.97  706.79 5183.33  708.67

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1822.92     .15 2331.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1822.92 2331.25            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.52    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.49    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       187490.50   89971.67   415469.80
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            187490.50   89971.67   415469.80
  Q Total (cfs)           943787.80    Flow (cfs)             209164.80   146676.90   587946.20
  Top Width (ft)           5183.33    Top Width (ft)           1822.92     508.33    2852.08
  Vel Total (ft/s)            1.36    Avg. Vel. (ft/s)            1.12       1.63       1.42
  Max Chl Dpth (ft)         187.66    Hydr. Depth (ft)          102.85     176.99     145.67
  Conv. Total (cfs)       179964500.0    Conv. (cfs)            39884200.0   27968820.0   112111500.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1884.09     511.81    2922.33
  Min Ch El (ft)            572.83    Shear (lb/sq ft)            0.17       0.30       0.24
  Alpha                       1.04    Stream Power (lb/ft s)      0.19       0.49       0.35
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10245.83    3127.90   14074.46
  C & E Loss (ft)                     Cum SA (acres)             86.76      17.33      96.20


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6900.18*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  712.73   77.76  707.92  205.89  699.25  360.31  696.53  386.04  687.29
  388.78  687.15  660.93  675.14  777.56  668.17  777.56  666.35  797.82  665.45
  823.56  647.27  913.64  647.27   926.5  647.17  971.95   642.8 1029.45  637.59
 1049.71  637.55 1088.59  637.27 1132.39  637.07 1235.34  650.22 1282.98  645.98
 1827.27     599 1995.45  572.82 2097.73  572.82 2239.55  589.25 2334.09     599
 2934.76  600.27 3175.03  600.82 3490.64  600.82 3495.39  600.91 3815.75  606.13
 3895.84  607.64 3972.53  608.93 4261.67  608.34 4296.29  605.01 4358.05  599.84
 4550.81  601.89 4743.57  613.03 4984.51   706.5 5177.27  708.55

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1827.27     .15 2334.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1827.27 2334.09            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.52    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.49    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       188362.90   89732.20   414192.90
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            188362.90   89732.20   414192.90
  Q Total (cfs)           943787.40    Flow (cfs)             210646.60   146454.00   586686.80
  Top Width (ft)           5177.27    Top Width (ft)           1827.27     506.82    2843.18
  Vel Total (ft/s)            1.36    Avg. Vel. (ft/s)            1.12       1.63       1.42
  Max Chl Dpth (ft)         187.67    Hydr. Depth (ft)          103.08     177.05     145.68
  Conv. Total (cfs)       179794400.0    Conv. (cfs)            40128810.0   27899940.0   111765600.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1888.69     510.30    2913.40
  Min Ch El (ft)            572.82    Shear (lb/sq ft)            0.17       0.30       0.24
  Alpha                       1.04    Stream Power (lb/ft s)      0.19       0.49       0.35
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10181.24    3097.02   13931.90
  C & E Loss (ft)                     Cum SA (acres)             86.13      17.15      95.23


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6885.19*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  712.45   77.94  707.69  206.38  699.02  361.17  696.24  386.96  687.06
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  389.71  686.93   662.5  675.01  779.42  667.93  779.42  665.96  799.73  665.08
  825.52  647.05  915.81  647.05  928.71  646.94  974.27  642.57  1031.9  637.39
 1052.21  637.34 1091.18  637.05 1135.09  636.82 1238.28  649.82 1286.04  645.59
 1831.63  598.92 1999.24   572.8  2101.7   572.8 2242.84  589.19 2336.93  598.92
 2935.72   600.3 3175.24  600.89 3489.86  600.89  3494.6  600.98 3813.95  606.08
 3893.79  607.58 3970.25  608.85 4258.48  608.21 4292.98  604.89 4354.56  599.82
 4546.71  602.04 4738.86  613.28 4979.06   706.2 5171.21  708.42

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1831.63     .15 2336.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1831.63 2336.93            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.52    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.49    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       189241.30   89491.71   412915.90
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            189241.30   89491.71   412915.90
  Q Total (cfs)           943786.90    Flow (cfs)             212140.40   146228.30   585418.20
  Top Width (ft)           5171.21    Top Width (ft)          1831.63     505.30    2834.28
  Vel Total (ft/s)            1.36    Avg. Vel. (ft/s)           1.12       1.63       1.42
  Max Chl Dpth (ft)         187.69    Hydr. Depth (ft)         103.32     177.11     145.69
  Conv. Total (cfs)       179625700.0    Conv. (cfs)           40375500.0   27830810.0   111419400.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        1893.30     508.77    2904.48
  Min Ch El (ft)            572.80    Shear (lb/sq ft)           0.17       0.30       0.25
  Alpha                       1.04    Stream Power (lb/ft s)     0.19       0.50       0.35
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10116.36    3066.22   13789.78
  C & E Loss (ft)                     Cum SA (acres)             85.51      16.98      94.25


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6870.21*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  712.18   78.13  707.46  206.87  698.79  362.03  695.95  387.88  686.84
  390.64   686.7  664.08  674.88  781.27   667.7  781.27  665.58  801.63   664.7
  827.49  646.82  917.99  646.82  930.92   646.7  976.59  642.34 1034.36  637.19
 1054.71  637.14 1093.78  636.82 1137.79  636.58 1241.23  649.43  1289.1  645.21
 1835.98  598.83 2003.03  572.79 2105.68  572.79 2246.14  589.13 2339.77  598.83
 2936.68  600.32 3175.45  600.95 3489.08  600.95  3493.8  601.04 3812.15  606.03
 3891.74  607.52 3967.96  608.76 4255.28  608.07 4289.68  604.77 4351.06  599.81
 4542.61   602.2 4734.16  613.53  4973.6  705.91 5165.15   708.3

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1835.98     .15 2339.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1835.98 2339.77            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.51    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.48    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       190120.80   89251.89   411649.60
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            190120.80   89251.89   411649.60
  Q Total (cfs)           943786.60    Flow (cfs)             213635.00   145998.00   584153.80
  Top Width (ft)           5165.15    Top Width (ft)          1835.98     503.79    2825.38
  Vel Total (ft/s)            1.37    Avg. Vel. (ft/s)           1.12       1.64       1.42
  Max Chl Dpth (ft)         187.69    Hydr. Depth (ft)         103.55     177.16     145.70
  Conv. Total (cfs)       179463200.0    Conv. (cfs)           40623170.0   27761840.0   111078200.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        1897.88     507.26    2895.56
  Min Ch El (ft)            572.79    Shear (lb/sq ft)           0.17       0.30       0.25
  Alpha                       1.04    Stream Power (lb/ft s)     0.19       0.50       0.35
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10051.17    3035.51   13648.09
  C & E Loss (ft)                     Cum SA (acres)             84.88      16.80      93.28


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6855.22*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  711.91   78.31  707.22  207.36  698.56  362.88  695.66   388.8  686.61
  391.56  686.47  665.66  674.76  783.12  667.46  783.12  665.19  803.53  664.32
  829.45  646.59  920.17  646.59  933.13  646.47   978.9  642.11 1036.81  636.99
 1057.22  636.93 1096.37  636.59 1140.49  636.33 1244.17  649.03 1292.15  644.83
 1840.34  598.75 2006.82  572.77 2109.66  572.77 2249.43  589.07 2342.61  598.75
 2937.64  600.34 3175.66  601.02  3488.3  601.02 3493.01  601.11 3810.36  605.98
 3889.69  607.45 3965.67  608.67 4252.09  607.93 4286.38  604.66 4347.56   599.8
 4538.51  602.36 4729.46  613.78 4968.14  705.62 5159.09  708.18

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1840.34     .15 2342.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1840.34 2342.61            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.51    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.48    Reach Len. (ft)            14.97      14.97      14.97
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  Crit W.S. (ft)                      Flow Area (sq ft)       191002.90   89011.24   410374.30
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            191002.90   89011.24   410374.30
  Q Total (cfs)           943786.10    Flow (cfs)              215140.90   145768.70   582876.60
  Top Width (ft)           5159.09    Top Width (ft)           1840.34     502.27    2816.48
  Vel Total (ft/s)            1.37    Avg. Vel. (ft/s)            1.13       1.64       1.42
  Max Chl Dpth (ft)         187.71    Hydr. Depth (ft)          103.79     177.22     145.70
  Conv. Total (cfs)       179297200.0    Conv. (cfs)             40871700.0   27692620.0   110732800.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1902.49     505.73    2886.63
  Min Ch El (ft)            572.77    Shear (lb/sq ft)            0.17       0.30       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.20       0.50       0.35
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9985.68    3004.88   13506.84
  C & E Loss (ft)                     Cum SA (acres)             84.24      16.63      92.31


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6840.24*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  711.64    78.5  706.99  207.85  698.33  363.74  695.37  389.72  686.39
  392.49  686.25  667.23  674.63  784.98  667.23  784.98   664.8  805.43  663.94
  831.41  646.36  922.35  646.36  935.34  646.23  981.22  641.88 1039.27  636.79
 1059.72  636.73 1098.97  636.36 1143.19  636.09 1247.12  648.63 1295.21  644.44
  1844.7  598.67 2010.61  572.76 2113.64  572.76 2252.73  589.01 2345.45  598.67
  2938.6  600.36 3175.86  601.09 3487.52  601.09 3492.21  601.18 3808.56  605.93
 3887.64  607.39 3963.38  608.58  4248.9  607.79 4283.08  604.54 4344.07  599.78
 4534.41  602.52 4724.76  614.04 4962.69  705.33 5153.03  708.06

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  1844.7     .15 2345.45     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        1844.7 2345.45            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.51    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.48    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       191887.70   88767.99   409098.10
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            191887.70   88767.99   409098.10
  Q Total (cfs)           943785.80    Flow (cfs)              216656.00   145532.80   581597.00
  Top Width (ft)           5153.03    Top Width (ft)           1844.70     500.75    2807.58
  Vel Total (ft/s)            1.37    Avg. Vel. (ft/s)            1.13       1.64       1.42
  Max Chl Dpth (ft)         187.72    Hydr. Depth (ft)          104.02     177.27     145.71
  Conv. Total (cfs)       179130700.0    Conv. (cfs)             41121350.0   27622160.0   110387200.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1907.10     504.21    2877.71
  Min Ch El (ft)            572.76    Shear (lb/sq ft)            0.17       0.31       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.20       0.50       0.35
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9919.89    2974.33   13366.03
  C & E Loss (ft)                     Cum SA (acres)             83.61      16.46      91.34


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6825.25*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  711.36    78.68  706.76  208.34  698.11   364.6  695.08  390.65  686.16
  393.42  686.02  668.81   674.5  786.83  666.99  786.83  664.42  807.33  663.56
  833.38  646.14  924.53  646.14  937.55  645.99  983.54  641.65 1041.72  636.59
 1062.22  636.52 1101.56  636.14 1145.89  635.85 1250.06  648.23 1298.27  644.06
 1849.05  598.58 2014.39  572.74 2117.61  572.74 2256.02  588.94  2348.3  598.58
 2939.56  600.39 3176.07  601.16 3486.74  601.16 3491.42  601.24 3806.76  605.88
  3885.6  607.33 3961.09  608.49  4245.7  607.65 4279.77  604.42 4340.57  599.77
 4530.31  602.67 4720.05  614.29 4957.23  705.04 5146.97  707.94

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1849.05     .15  2348.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        1849.05  2348.3            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.51    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.48    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       192772.40   88532.91   407822.50
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            192772.40   88532.91   407822.50
  Q Total (cfs)           943785.40    Flow (cfs)              218171.30   145311.40   580302.70
  Top Width (ft)           5146.97    Top Width (ft)           1849.05     499.25    2798.67
  Vel Total (ft/s)            1.37    Avg. Vel. (ft/s)            1.13       1.64       1.42
  Max Chl Dpth (ft)         187.74    Hydr. Depth (ft)          104.25     177.33     145.72
  Conv. Total (cfs)       178968700.0    Conv. (cfs)             41371510.0   27555200.0   110042000.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1911.68     502.70    2868.77
  Min Ch El (ft)            572.74    Shear (lb/sq ft)            0.18       0.31       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.20       0.50       0.35
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9853.79    2943.86   13225.65
  C & E Loss (ft)                     Cum SA (acres)             82.98      16.29      90.38


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
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REACH: PALUXY RIVER       RS: 6810.27*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  711.09   78.87  706.52  208.83  697.88  365.46   694.8  391.57  685.93
  394.34  685.79  670.38  674.38  788.68  666.76  788.68  664.03  809.23  663.18
  835.34  645.91   926.7  645.91  939.76  645.76  985.86  641.41 1044.17  636.39
 1064.72  636.32 1104.16  635.91 1148.59   635.6 1253.01  647.83 1301.33  643.68
 1853.41   598.5 2018.18  572.73 2121.59  572.73 2259.32  588.88 2351.14   598.5
 2940.52  600.41 3176.28  601.23 3485.96  601.23 3490.62  601.31 3804.96  605.83
 3883.55  607.26  3958.8   608.4 4242.51  607.52 4276.47  604.31 4337.08  599.76
 4526.21  602.83 4715.35  614.54 4951.77  704.75 5140.91  707.82

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1853.41     .15 2351.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1853.41 2351.14             14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.51    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.48    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       193659.20   88289.37   406545.40
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            193659.20   88289.37   406545.40
  Q Total (cfs)           943784.90    Flow (cfs)             219696.80   145073.70   579014.40
  Top Width (ft)           5140.91    Top Width (ft)          1853.41     497.73    2789.77
  Vel Total (ft/s)            1.37    Avg. Vel. (ft/s)           1.13       1.64       1.42
  Max Chl Dpth (ft)         187.75    Hydr. Depth (ft)         104.49     177.38     145.73
  Conv. Total (cfs)       178802600.0    Conv. (cfs)            41622150.0   27484590.0   109695800.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        1916.30     501.18    2859.85
  Min Ch El (ft)            572.73    Shear (lb/sq ft)           0.18       0.31       0.25
  Alpha                       1.04    Stream Power (lb/ft s)     0.20       0.50       0.35
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    9787.39    2913.48   13085.72
  C & E Loss (ft)                     Cum SA (acres)            82.34      16.12      89.42


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6795.28*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  710.82   79.05  706.29  209.33  697.65  366.32  694.51  392.49  685.71
  395.27  685.57  671.96  674.25  790.54  666.52  790.54  663.65  811.14   662.8
   837.3  645.68  928.88  645.68  941.97  645.52  988.17  641.18 1046.63  636.19
 1067.23  636.11 1106.75  635.68 1151.29  635.36 1255.95  647.44 1304.39  643.29
 1857.77  598.42 2021.97  572.71 2125.57  572.71 2262.61  588.82 2353.98  598.42
 2941.49  600.43 3176.49   601.3 3485.18   601.3 3489.83  601.38 3803.16  605.78
  3881.5   607.2 3956.51  608.31 4239.31  607.38 4273.17  604.19 4333.58  599.74
 4522.11  602.99 4710.65  614.79 4946.31  704.45 5134.85   707.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1857.77     .15 2353.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1857.77 2353.98             14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.51    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.48    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       194549.60   88047.98   405272.20
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            194549.60   88047.98   405272.20
  Q Total (cfs)           943784.60    Flow (cfs)             221229.20   144837.10   577718.40
  Top Width (ft)           5134.85    Top Width (ft)          1857.77     496.21    2780.87
  Vel Total (ft/s)            1.37    Avg. Vel. (ft/s)           1.14       1.64       1.43
  Max Chl Dpth (ft)         187.77    Hydr. Depth (ft)         104.72     177.44     145.74
  Conv. Total (cfs)       178641000.0    Conv. (cfs)            41874600.0   27415000.0   109351400.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        1920.90     499.66    2850.93
  Min Ch El (ft)            572.71    Shear (lb/sq ft)           0.18       0.31       0.25
  Alpha                       1.04    Stream Power (lb/ft s)     0.20       0.51       0.35
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    9720.69    2883.18   12946.22
  C & E Loss (ft)                     Cum SA (acres)            81.70      15.95      88.46


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6780.30*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  710.55   79.24  706.06  209.82  697.42  367.18  694.22  393.41  685.48
   396.2  685.34  673.53  674.13  792.39  666.29  792.39  663.26  813.04  662.42
  839.27  645.45  931.06  645.45  944.17  645.29  990.49  640.95 1049.08  635.99
 1069.73  635.91 1109.35  635.45 1153.99  635.11  1258.9  647.04 1307.45  642.91
 1862.12  598.33 2025.76   572.7 2129.55   572.7 2265.91  588.76 2356.82  598.33
 2942.45  600.45  3176.7  601.36  3484.4  601.36 3489.03  601.45 3801.37  605.72
 3879.45  607.13 3954.22  608.22 4236.12  607.24 4269.87  604.07 4330.08  599.73
 4518.01  603.15 4705.94  615.04 4940.86  704.16 5128.79  707.58

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1862.12     .15 2356.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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       1862.12 2356.82            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.51    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.48    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       195441.10   87807.19   404006.10
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            195441.10   87807.19   404006.10
  Q Total (cfs)           943784.20    Flow (cfs)             222761.90   144597.80   576424.50
  Top Width (ft)           5128.79    Top Width (ft)           1862.12     494.70    2771.97
  Vel Total (ft/s)            1.37    Avg. Vel. (ft/s)            1.14       1.65       1.43
  Max Chl Dpth (ft)         187.78    Hydr. Depth (ft)          104.96     177.50     145.75
  Conv. Total (cfs)       178483200.0    Conv. (cfs)            42127490.0   27345540.0   109010200.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1925.52     498.14    2842.01
  Min Ch El (ft)            572.70    Shear (lb/sq ft)            0.18       0.31       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.20       0.51       0.35
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9653.67    2852.96   12807.16
  C & E Loss (ft)                     Cum SA (acres)             81.06      15.78      87.51


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6765.31*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  710.27   79.42  705.83  210.31  697.19  368.04  693.93  394.33  685.26
  397.12  685.12  675.11     674  794.25  666.05  794.25  662.87  814.94  662.05
  841.23  645.23  933.24  645.23  946.38  645.05  992.81  640.72 1051.54  635.79
 1072.23   635.7 1111.94  635.23 1156.69  634.87 1261.84  646.64 1310.51  642.53
 1866.48  598.25 2029.55  572.68 2133.52  572.68  2269.2   588.7 2359.66  598.25
 2943.41  600.48  3176.9  601.43 3483.62  601.43 3488.24  601.51 3799.57  605.67
  3877.4  607.07 3951.94  608.13 4232.93   607.1 4266.57  603.96 4326.59  599.72
 4513.92   603.3 4701.24   615.3  4935.4  703.87 5122.73  707.45

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1866.48     .15 2359.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1866.48 2359.66            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.51    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.48    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       196332.50   87565.45   402727.60
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            196332.50   87565.45   402727.60
  Q Total (cfs)           943783.80    Flow (cfs)             224305.50   144361.40   575117.00
  Top Width (ft)           5122.73    Top Width (ft)           1866.48     493.18    2763.07
  Vel Total (ft/s)            1.37    Avg. Vel. (ft/s)            1.14       1.65       1.43
  Max Chl Dpth (ft)         187.80    Hydr. Depth (ft)          105.19     177.55     145.75
  Conv. Total (cfs)       178319400.0    Conv. (cfs)            42380480.0   27275780.0   108663100.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1930.14     496.62    2833.09
  Min Ch El (ft)            572.68    Shear (lb/sq ft)            0.18       0.31       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.20       0.51       0.36
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9586.35    2822.83   12668.54
  C & E Loss (ft)                     Cum SA (acres)             80.42      15.61      86.56


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6750.33*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     710   79.61  705.59   210.8  696.96   368.9  693.64  395.25  685.03
  398.05  684.89  676.68  673.87   796.1  665.82   796.1  662.49  816.84  661.67
  843.19     645  935.42     645  948.59  644.82  995.12  640.49 1053.99  635.59
 1074.73   635.5 1114.54     635 1159.39  634.62 1264.79  646.24 1313.56  642.14
 1870.83  598.17 2033.33  572.67  2137.5  572.67  2272.5  588.63  2362.5  598.17
 2944.37   600.5 3177.11   601.5 3482.84   601.5 3487.44  601.58 3797.77  605.62
 3875.35  607.01 3949.65  608.05 4229.73  606.96 4263.26  603.84 4323.09   599.7
 4509.82  603.46 4696.54  615.55 4929.94  703.58 5116.67  707.33

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1870.83     .15  2362.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1870.83  2362.5            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.51    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.48    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       197231.40   87324.26   401450.30
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            197231.40   87324.26   401450.30
  Q Total (cfs)           943783.40    Flow (cfs)             225863.30   144121.50   573798.60
  Top Width (ft)           5116.67    Top Width (ft)           1870.83     491.67    2754.17
  Vel Total (ft/s)            1.38    Avg. Vel. (ft/s)            1.15       1.65       1.43
  Max Chl Dpth (ft)         187.81    Hydr. Depth (ft)          105.42     177.61     145.76
  Conv. Total (cfs)       178159300.0    Conv. (cfs)            42636540.0   27206020.0   108316800.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1934.74     495.10    2824.18
  Min Ch El (ft)            572.67    Shear (lb/sq ft)            0.18       0.31       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.20       0.51       0.36
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9518.73    2792.77   12530.36
  C & E Loss (ft)                     Cum SA (acres)             79.78      15.44      85.61
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6735.34*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  709.73    79.8  705.36  211.29  696.73  369.76  693.35  396.17   684.8
  398.98  684.66  678.26  673.75  797.95  665.59  797.95   662.1  818.74  661.29
  845.16  644.77  937.59  644.77   950.8  644.58  997.44  640.26 1056.44  635.39
 1077.24   635.3 1117.13  634.77 1162.09  634.38 1267.73  645.84 1316.62  641.76
 1875.19  598.08 2037.12  572.65 2141.48  572.65  2275.8  588.57 2365.34  598.08
 2945.33  600.52 3177.32  601.57 3482.06  601.57 3486.65  601.65 3795.97  605.57
  3873.3  606.94 3947.36  607.96 4226.54  606.82 4259.96  603.72  4319.6  599.69
 4505.72  603.62 4691.84   615.8 4924.49  703.29 5110.61  707.21

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1875.19     .15 2365.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1875.19 2365.34            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.51    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.48    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       198129.30   87083.60   400177.30
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            198129.30   87083.60   400177.30
  Q Total (cfs)           943783.00    Flow (cfs)             227419.20   143882.80   572481.00
  Top Width (ft)           5110.61    Top Width (ft)          1875.19     490.15    2745.27
  Vel Total (ft/s)            1.38    Avg. Vel. (ft/s)           1.15       1.65       1.43
  Max Chl Dpth (ft)         187.83    Hydr. Depth (ft)         105.66     177.67     145.77
  Conv. Total (cfs)       178001500.0    Conv. (cfs)            42892220.0   27136910.0   107972300.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        1939.37     493.58    2815.26
  Min Ch El (ft)            572.65    Shear (lb/sq ft)           0.18       0.31       0.25
  Alpha                       1.04    Stream Power (lb/ft s)     0.21       0.51       0.36
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    9450.79    2762.81   12392.61
  C & E Loss (ft)                     Cum SA (acres)            79.14      15.27      84.66


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6720.36*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  709.45   79.98  705.13  211.78   696.5  370.61  693.06  397.09  684.58
   399.9  684.44  679.84  673.62  799.81  665.35  799.81  661.71  820.65  660.91
  847.12  644.55  939.77  644.55  953.01  644.34  999.76  640.02  1058.9  635.19
 1079.74  635.09 1119.73  634.55 1164.79  634.14 1270.68  645.45 1319.68  641.38
 1879.55     598 2040.91  572.64 2145.45  572.64 2279.09  588.51 2368.18     598
 2946.29  600.55 3177.53  601.64 3481.28  601.64 3485.85  601.72 3794.17  605.52
 3871.25  606.88 3945.07  607.87 4223.34  606.69 4256.66  603.61  4316.1  599.68
 4501.62  603.77 4687.13  616.05 4919.03  702.99 5104.55  707.09

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1879.55     .15 2368.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1879.55 2368.18            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.51    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.48    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       199027.00   86838.86   398898.10
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            199027.00   86838.86   398898.10
  Q Total (cfs)           943782.60    Flow (cfs)             228984.70   143636.30   571161.60
  Top Width (ft)           5104.55    Top Width (ft)          1879.55     488.63    2736.37
  Vel Total (ft/s)            1.38    Avg. Vel. (ft/s)           1.15       1.65       1.43
  Max Chl Dpth (ft)         187.84    Hydr. Depth (ft)         105.89     177.72     145.78
  Conv. Total (cfs)       177838900.0    Conv. (cfs)            43148060.0   27065690.0   107625200.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        1943.99     492.05    2806.34
  Min Ch El (ft)            572.64    Shear (lb/sq ft)           0.18       0.31       0.25
  Alpha                       1.04    Stream Power (lb/ft s)     0.21       0.51       0.36
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    9382.55    2732.92   12255.31
  C & E Loss (ft)                     Cum SA (acres)            78.49      15.10      83.72


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6705.37*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  709.18   80.17   704.9  212.27  696.27  371.47  692.77  398.01  684.35
  400.83  684.21  681.41  673.5  801.66  665.12  801.66  661.33  822.55  660.53
  849.08  644.32  941.95  644.32  955.22  644.11 1002.08  639.79 1061.35  634.99
 1082.24  634.89 1122.32  634.32 1167.49  633.89 1273.62  645.05 1322.74     641
  1883.9  597.92  2044.7  572.62 2149.43  572.62 2282.39  588.45 2371.02  597.92
 2947.25  600.57 3177.74   601.7  3480.5   601.7 3485.06  601.78 3792.38  605.47
 3869.21  606.82 3942.78  607.78 4220.15  606.55 4253.36  603.49 4312.61  599.66
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 4497.52  603.93 4682.43  616.31 4913.57   702.7 5098.48  706.97

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  1883.9     .15 2371.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        1883.9 2371.02            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.51    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.47    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       199925.40   86598.41   397625.20
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            199925.40   86598.41   397625.20
  Q Total (cfs)           943782.30    Flow (cfs)             230549.40   143394.40   569838.50
  Top Width (ft)           5098.48    Top Width (ft)           1883.90     487.12    2727.46
  Vel Total (ft/s)            1.38    Avg. Vel. (ft/s)            1.15       1.66       1.43
  Max Chl Dpth (ft)         187.85    Hydr. Depth (ft)          106.12     177.78     145.79
  Conv. Total (cfs)       177681800.0    Conv. (cfs)            43404540.0   26996240.0   107281000.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1948.60     490.54    2797.41
  Min Ch El (ft)            572.62    Shear (lb/sq ft)            0.18       0.31       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.21       0.51       0.36
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9313.99    2703.12   12118.44
  C & E Loss (ft)                     Cum SA (acres)             77.84      14.93      82.78


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6690.39*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  708.91   80.35  704.66  212.76  696.04  372.33  692.48  398.93  684.13
  401.76  683.98  682.99  673.37  803.51  664.88  803.51  660.94  824.45  660.15
  851.05  644.09  944.13  644.09  957.43  643.87 1004.39  639.56 1063.81  634.78
 1084.74  634.68 1124.92  634.09 1170.19  633.65 1276.57  644.65  1325.8  640.61
 1888.26  597.83 2048.48  572.61 2153.41  572.61 2285.68  588.38 2373.86  597.83
 2948.21  600.59 3177.94  601.77 3479.72  601.77 3484.26  601.85 3790.58  605.42
 3867.16  606.75 3940.49  607.69 4216.96  606.41 4250.05  603.37 4309.11  599.65
 4493.42  604.09 4677.73  616.56 4908.12  702.41 5092.42  706.85

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1888.26     .15 2373.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1888.26 2373.86            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.50    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.47    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       200837.10   86355.90   396352.00
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            200837.10   86355.90   396352.00
  Q Total (cfs)           943781.90    Flow (cfs)             232137.90   143146.00   568498.00
  Top Width (ft)           5092.42    Top Width (ft)           1888.26     485.60    2718.56
  Vel Total (ft/s)            1.38    Avg. Vel. (ft/s)            1.16       1.66       1.43
  Max Chl Dpth (ft)         187.86    Hydr. Depth (ft)          106.36     177.83     145.79
  Conv. Total (cfs)       177528600.0    Conv. (cfs)            43665940.0   26926260.0   106936400.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1953.22     489.01    2788.50
  Min Ch El (ft)            572.61    Shear (lb/sq ft)            0.18       0.31       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.21       0.52       0.36
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9245.13    2673.40   11982.01
  C & E Loss (ft)                     Cum SA (acres)             77.20      14.76      81.85


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6675.40*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  708.64   80.54  704.43  213.25  695.81  373.19  692.19  399.85  683.9
  402.68  683.76  684.56  673.24  805.37  664.65  805.37  660.56  826.35  659.77
  853.01  643.86  946.31  643.86  959.64  643.64 1006.71  639.33 1066.26  634.58
 1087.25  634.48 1127.51  633.86 1172.89   633.4 1279.51  644.25 1328.86  640.23
 1892.61  597.75 2052.27  572.59 2157.39  572.59 2288.98  588.32  2376.7  597.75
 2949.17  600.61 3178.15  601.84 3478.94  601.84 3483.47  601.92 3788.78  605.37
 3865.11  606.69  3938.2   607.6 4213.76  606.27 4246.75  603.26 4305.61  599.64
 4489.32  604.25 4673.03  616.81 4902.66  702.12 5086.36  706.73

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1892.61     .15  2376.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1892.61  2376.7            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.50    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.47    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       201740.10   86115.07   395074.10
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            201740.10   86115.07   395074.10
  Q Total (cfs)           943781.40    Flow (cfs)             233720.10   142902.70   567158.60
  Top Width (ft)           5086.36    Top Width (ft)           1892.61     484.09    2709.66
  Vel Total (ft/s)            1.38    Avg. Vel. (ft/s)            1.16       1.66       1.44
  Max Chl Dpth (ft)         187.88    Hydr. Depth (ft)          106.59     177.89     145.80
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  Conv. Total (cfs)       177370800.0    Conv. (cfs)            43924500.0   26856620.0   106589700.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1957.84     487.50    2779.58
  Min Ch El (ft)            572.59    Shear (lb/sq ft)            0.18       0.31       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.21       0.52       0.36
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9175.95    2643.76   11846.01
  C & E Loss (ft)                     Cum SA (acres)             76.55      14.60      80.91


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6660.42*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  708.36   80.72   704.2  213.74  695.59  374.05   691.9  400.77  683.67
  403.61  683.53  686.14  673.12  807.22  664.41  807.22  660.17  828.25  659.39
  854.97  643.64  948.48  643.64  961.84   643.4 1009.03   639.1 1068.72  634.38
 1089.75  634.27 1130.11  633.64 1175.59  633.16 1282.46  643.85 1331.91  639.85
 1896.97  597.67 2056.06  572.58 2161.36  572.58 2292.27  588.26 2379.55  597.67
 2950.13  600.64 3178.36  601.91 3478.16  601.91 3482.67  601.99 3786.98  605.32
 3863.06  606.62 3935.91  607.51 4210.57  606.13 4243.45  603.14 4302.12  599.62
 4485.22   604.4 4668.32  617.06  4897.2  701.83  5080.3  706.61

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1896.97     .15 2379.55     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1896.97 2379.55            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.50    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.47    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       202644.30   85871.37   393794.30
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            202644.30   85871.37   393794.30
  Q Total (cfs)           943781.10    Flow (cfs)             235309.60   142652.90   565818.60
  Top Width (ft)           5080.30    Top Width (ft)          1896.97     482.58    2700.75
  Vel Total (ft/s)            1.38    Avg. Vel. (ft/s)           1.16       1.66       1.44
  Max Chl Dpth (ft)         187.89    Hydr. Depth (ft)         106.83     177.94     145.81
  Conv. Total (cfs)       177211400.0    Conv. (cfs)            44183480.0   26785570.0   106242300.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1962.47     485.99    2770.66
  Min Ch El (ft)            572.58    Shear (lb/sq ft)            0.18       0.31       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.21       0.52       0.36
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9106.47    2614.21   11710.46
  C & E Loss (ft)                     Cum SA (acres)             75.90      14.43      79.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6645.43*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  708.09   80.91  703.97  214.23  695.36  374.91  691.61  401.69  683.45
  404.54  683.31  687.71  672.99  809.07  664.18  809.07  659.78  830.16  659.02
  856.94  643.41  950.66  643.41  964.05  643.17 1011.34  638.87 1071.17  634.18
 1092.25  634.07  1132.7  633.41 1178.29  632.91  1285.4  643.46 1334.97  639.46
 1901.33  597.58 2059.85  572.56 2165.34  572.56 2295.57   588.2 2382.39  597.58
 2951.09  600.66 3178.57  601.98 3477.38  601.98 3481.88  602.05 3785.18  605.26
 3861.01  606.56 3933.63  607.42 4207.37     606 4240.15  603.02 4298.62  599.61
 4481.12  604.56 4663.62  617.31 4891.74  701.53 5074.24  706.48

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1901.33     .15 2382.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1901.33 2382.39            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.50    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.47    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       203557.60   85629.69   392524.30
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            203557.60   85629.69   392524.30
  Q Total (cfs)           943780.70    Flow (cfs)             236908.00   142403.20   564469.60
  Top Width (ft)           5074.24    Top Width (ft)          1901.33     481.06    2691.85
  Vel Total (ft/s)            1.38    Avg. Vel. (ft/s)           1.16       1.66       1.44
  Max Chl Dpth (ft)         187.91    Hydr. Depth (ft)         107.06     178.00     145.82
  Conv. Total (cfs)       177060600.0    Conv. (cfs)            44445780.0   26715950.0   105898900.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1967.11     484.46    2761.75
  Min Ch El (ft)            572.56    Shear (lb/sq ft)            0.18       0.31       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.21       0.52       0.36
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9036.67    2584.74   11575.35
  C & E Loss (ft)                     Cum SA (acres)             75.24      14.27      79.06


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6630.45*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
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       0  707.82   81.09  703.73  214.72  695.13  375.77  691.33  402.61  683.22
  405.46  683.08  689.29  672.87  810.93  663.94  810.93   659.4  832.06  658.64
   858.9  643.18  952.84  643.18  966.26  642.93 1013.66  638.63 1073.62  633.98
 1094.75  633.86  1135.3  633.18 1180.99  632.67 1288.35  643.06 1338.03  639.08
 1905.68   597.5 2063.64  572.55 2169.32  572.55 2298.86  588.14 2385.23   597.5
 2952.05  600.68 3178.78  602.05  3476.6  602.05 3481.08  602.12 3783.39  605.21
 3858.96   606.5 3931.34  607.34 4204.18  605.86 4236.84  602.91 4295.13   599.6
 4477.02  604.72 4658.92  617.57 4886.29  701.24 5068.18  706.36

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1905.68     .15 2385.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1905.68 2385.23            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.50    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.47    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       204467.20   85385.75   391242.40
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            204467.20   85385.75   391242.40
  Q Total (cfs)           943780.30    Flow (cfs)             238515.30   142150.70   563114.40
  Top Width (ft)           5068.18    Top Width (ft)           1905.68     479.55    2682.95
  Vel Total (ft/s)            1.39    Avg. Vel. (ft/s)            1.17       1.66       1.44
  Max Chl Dpth (ft)         187.92    Hydr. Depth (ft)          107.29     178.05     145.83
  Conv. Total (cfs)       176902600.0    Conv. (cfs)            44707400.0   26644790.0   105550400.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1971.72     482.95    2752.84
  Min Ch El (ft)            572.55    Shear (lb/sq ft)            0.18       0.31       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.21       0.52       0.36
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8966.56    2555.36   11440.67
  C & E Loss (ft)                     Cum SA (acres)             74.59      14.10      78.13


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6615.47*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  707.55   81.28   703.5  215.22   694.9  376.63  691.04  403.53     683
  406.39  682.85  690.86  672.74  812.78  663.71  812.78  659.01  833.96  658.26
  860.86  642.95  955.02  642.95  968.47   642.7 1015.98   638.4 1076.08  633.78
 1097.26  633.66 1137.89  632.95 1183.69  632.43 1291.29  642.66 1341.09   638.7
 1910.04  597.42 2067.42  572.53  2173.3  572.53 2302.16  588.07 2388.07  597.42
 2953.01   600.7 3178.99  602.11 3475.82  602.11 3480.29  602.19 3781.59  605.16
 3856.91  606.43 3929.05  607.25 4200.99  605.72 4233.54  602.79 4291.63  599.58
 4472.92  604.87 4654.21  617.82 4880.83  700.95 5062.12  706.24

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1910.04     .15 2388.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1910.04 2388.07            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.50    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.47    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       205380.60   85143.80   389972.00
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            205380.60   85143.80   389972.00
  Q Total (cfs)           943779.90    Flow (cfs)             240121.70   141898.60   561759.60
  Top Width (ft)           5062.12    Top Width (ft)           1910.04     478.03    2674.05
  Vel Total (ft/s)            1.39    Avg. Vel. (ft/s)            1.17       1.67       1.44
  Max Chl Dpth (ft)         187.94    Hydr. Depth (ft)          107.53     178.11     145.84
  Conv. Total (cfs)       176752100.0    Conv. (cfs)            44970240.0   26574920.0   105206900.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1976.36     481.43    2743.93
  Min Ch El (ft)            572.53    Shear (lb/sq ft)            0.18       0.31       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.22       0.52       0.36
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8896.13    2526.05   11306.43
  C & E Loss (ft)                     Cum SA (acres)             73.93      13.94      77.21


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6600.48*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  707.27   81.46  703.27  215.71  694.67  377.49  690.75  404.45  682.77
  407.32  682.63  692.44  672.61  814.64  663.47  814.64  658.62  835.86  657.88
  862.83  642.73   957.2  642.73  970.68  642.46 1018.29  638.17 1078.53  633.58
 1099.76  633.45 1140.49  632.73 1186.39  632.18 1294.24  642.26 1344.15  638.31
 1914.39  597.33 2071.21  572.52 2177.27  572.52 2305.45  588.01 2390.91  597.33
 2953.97  600.73 3179.19  602.18 3475.04  602.18 3479.49  602.26 3779.79  605.11
 3854.87  606.37 3926.76  607.16 4197.79  605.58 4230.24  602.67 4288.14  599.57
 4468.82  605.03 4649.51  618.07 4875.37  700.66 5056.06  706.12

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1914.39     .15 2390.91     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1914.39 2390.91            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.50    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
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  W.S. Elev (ft)            760.47    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       206299.70   84900.63   388692.50
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            206299.70   84900.63   388692.50
  Q Total (cfs)           943779.50    Flow (cfs)              241747.50   141643.90   560388.10
  Top Width (ft)           5056.06    Top Width (ft)           1914.39     476.52    2665.15
  Vel Total (ft/s)            1.39    Avg. Vel. (ft/s)            1.17       1.67       1.44
  Max Chl Dpth (ft)         187.95    Hydr. Depth (ft)          107.76     178.17     145.84
  Conv. Total (cfs)       176599200.0    Conv. (cfs)            45235570.0   26504270.0   104859300.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1980.99     479.91    2735.02
  Min Ch El (ft)            572.52    Shear (lb/sq ft)            0.19       0.32       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.22       0.53       0.37
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8825.39    2496.83   11172.63
  C & E Loss (ft)                     Cum SA (acres)             73.28      13.77      76.30


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6585.5*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     707   81.65  703.03   216.2  694.44  378.35  690.46  405.37  682.54
  408.24   682.4  694.02  672.49  816.49  663.24  816.49  658.24  837.76   657.5
  864.79   642.5  959.38   642.5  972.89  642.22 1020.61  637.94 1080.99  633.38
 1102.26  633.25 1143.09   632.5 1189.08  631.94 1297.18  641.86 1347.21  637.93
 1918.75  597.25    2075   572.5 2181.25   572.5 2308.75  587.95 2393.75  597.25
 2954.93  600.75  3179.4  602.25 3474.26  602.25  3478.7  602.32 3777.99  605.06
 3852.82  606.31 3924.47  607.07  4194.6  605.44 4226.94  602.56 4284.64  599.56
 4464.72  605.19 4644.81  618.32 4869.92  700.37    5050     706

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1918.75     .15 2393.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1918.75 2393.75            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.50    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.47    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       207216.30   84657.11   387415.60
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            207216.30   84657.11   387415.60
  Q Total (cfs)           943779.10    Flow (cfs)              243371.30   141388.20   559019.60
  Top Width (ft)           5050.00    Top Width (ft)           1918.75     475.00    2656.25
  Vel Total (ft/s)            1.39    Avg. Vel. (ft/s)            1.17       1.67       1.44
  Max Chl Dpth (ft)         187.97    Hydr. Depth (ft)          108.00     178.23     145.85
  Conv. Total (cfs)       176446600.0    Conv. (cfs)            45500090.0   26433590.0   104512900.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1985.62     478.39    2726.11
  Min Ch El (ft)            572.50    Shear (lb/sq ft)            0.19       0.32       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.22       0.53       0.37
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8754.34    2467.70   11039.27
  C & E Loss (ft)                     Cum SA (acres)             72.62      13.61      75.38


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6570.51*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  706.73   81.83   702.8  216.69  694.21   379.2  690.17  406.29  682.32
  409.17  682.17  695.59  672.36  818.34     663  818.34  657.85  839.67  657.12
  866.75  642.27  961.55  642.27   975.1  641.99 1022.93  637.71 1083.44  633.18
 1104.76  633.05 1145.78  632.27 1191.78  631.69 1300.13  641.46 1350.27  637.55
 1923.11  597.17 2078.79  572.48 2185.23  572.48 2312.05  587.89 2396.59  597.17
 2955.89  600.77 3179.61  602.32 3473.48  602.32  3477.9  602.39  3776.2  605.01
 3850.77  606.24 3922.18  606.98  4191.4  605.31 4223.63  602.44 4281.14  599.54
 4460.63  605.35 4640.11  618.58 4864.46  700.07 5043.94  705.88

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1923.11     .15 2396.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1923.11 2396.59            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.50    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.47    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       208137.00   84413.39   386137.50
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            208137.00   84413.39   386137.50
  Q Total (cfs)           943778.80    Flow (cfs)              245005.50   141130.70   557642.60
  Top Width (ft)           5043.94    Top Width (ft)           1923.11     473.48    2647.35
  Vel Total (ft/s)            1.39    Avg. Vel. (ft/s)            1.18       1.67       1.44
  Max Chl Dpth (ft)         187.99    Hydr. Depth (ft)          108.23     178.28     145.86
  Conv. Total (cfs)       176295100.0    Conv. (cfs)            45766320.0   26362810.0   104166000.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1990.26     476.87    2717.20
  Min Ch El (ft)            572.48    Shear (lb/sq ft)            0.19       0.32       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.22       0.53       0.37
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8682.97    2438.65   10906.35
  C & E Loss (ft)                     Cum SA (acres)             71.96      13.45      74.47


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6555.53*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  706.45   82.02  702.57  217.18  693.98  380.06  689.88  407.21  682.09
   410.1  681.95  697.17  672.23   820.2  662.77   820.2  657.47  841.57  656.74
  868.72  642.05  963.73  642.05   977.3  641.75 1025.25  637.48 1085.89  632.98
 1107.27  632.84 1148.28  632.05 1194.48  631.45 1303.07  641.07 1353.32  637.16
 1927.46  597.08 2082.58  572.47  2189.2  572.47 2315.34  587.83 2399.43  597.08
 2956.85   600.8 3179.82  602.39  3472.7  602.39 3477.11  602.46  3774.4  604.96
 3848.72  606.18 3919.89  606.89 4188.21  605.17 4220.33  602.32 4277.65  599.53
 4456.53   605.5  4635.4  618.83    4859  699.78 5037.88  705.76

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1927.46     .15 2399.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1927.46 2399.43            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.50    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.46    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       209060.10   84169.77   384859.10
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            209060.10   84169.77   384859.10
  Q Total (cfs)           943778.40    Flow (cfs)             246647.60   140871.60   556259.30
  Top Width (ft)           5037.88    Top Width (ft)           1927.46     471.97    2638.45
  Vel Total (ft/s)            1.39    Avg. Vel. (ft/s)            1.18       1.67       1.45
  Max Chl Dpth (ft)         187.99    Hydr. Depth (ft)          108.46     178.34     145.87
  Conv. Total (cfs)       176144500.0    Conv. (cfs)            46033700.0   26291920.0   103818900.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1994.90     475.35    2708.29
  Min Ch El (ft)            572.47    Shear (lb/sq ft)            0.19       0.32       0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.22       0.53       0.37
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8611.28    2409.68   10773.87
  C & E Loss (ft)                     Cum SA (acres)             71.30      13.28      73.56


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6540.54*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  706.18   82.21  702.34  217.67  693.75  380.92  689.59  408.13  681.87
  411.03  681.72  698.74  672.11  822.05  662.53  822.05  657.08  843.47  656.36
  870.68  641.82  965.91  641.82  979.51  641.52 1027.56  637.24 1088.35  632.78
 1109.77  632.64 1150.87  631.82 1197.18   631.2 1306.02  640.67 1356.38  636.78
 1931.82     597 2086.36  572.45 2193.18  572.45 2318.64  587.76 2402.27     597
 2957.81  600.82 3180.03  602.45 3471.92  602.45 3476.31  602.53  3772.6  604.91
 3846.67  606.12  3917.6   606.8 4185.02  605.03 4217.03  602.21 4274.15  599.51
 4452.43  605.66  4630.7  619.08 4853.54  699.49 5031.82  705.64

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1931.82     .15 2402.27     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1931.82 2402.27            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.49    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.46    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       209983.50   83926.89   383585.20
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            209983.50   83926.89   383585.20
  Q Total (cfs)           943778.00    Flow (cfs)             248289.70   140612.80   554875.60
  Top Width (ft)           5031.82    Top Width (ft)           1931.82     470.45    2629.55
  Vel Total (ft/s)            1.39    Avg. Vel. (ft/s)            1.18       1.68       1.45
  Max Chl Dpth (ft)         188.01    Hydr. Depth (ft)          108.70     178.40     145.87
  Conv. Total (cfs)       175996500.0    Conv. (cfs)            46301280.0   26221590.0   103473700.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1999.54     473.83    2699.39
  Min Ch El (ft)            572.45    Shear (lb/sq ft)            0.19       0.32       0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.22       0.53       0.37
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8539.27    2380.79   10641.83
  C & E Loss (ft)                     Cum SA (acres)             70.63      13.12      72.66


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6525.56*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  705.91   82.39   702.1  218.16  693.52  381.78   689.3  409.05  681.64
  411.95   681.5  700.32  671.98   823.9   662.3   823.9  656.69  845.37  655.98
  872.64  641.59  968.09  641.59  981.72  641.28 1029.88  637.01  1090.8  632.58
 1112.27  632.43 1153.47  631.59 1199.88  630.96 1308.96  640.27 1359.44   636.4
 1936.17  596.92 2090.15  572.44 2197.16  572.44 2321.93   587.7 2405.11  596.92
 2958.77  600.84 3180.23  602.52 3471.14  602.52 3475.52  602.59  3770.8  604.86
 3844.62  606.05 3915.32  606.71 4181.82  604.89 4213.73  602.09 4270.66   599.5
 4448.33  605.82    4626  619.33 4848.09   699.2 5025.76  705.52

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1936.17     .15 2405.11     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1936.17 2405.11            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.49    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.46    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       210907.90   83681.82   382308.80
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            210907.90   83681.82   382308.80
  Q Total (cfs)           943777.60    Flow (cfs)             249940.50   140347.50   553489.60
  Top Width (ft)           5025.76    Top Width (ft)           1936.17     468.94    2620.65
  Vel Total (ft/s)            1.39    Avg. Vel. (ft/s)            1.19       1.68       1.45
  Max Chl Dpth (ft)         188.02    Hydr. Depth (ft)          108.93     178.45     145.88
  Conv. Total (cfs)       175846700.0    Conv. (cfs)            46569450.0   26149850.0   103127400.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2004.18     472.31    2690.49
  Min Ch El (ft)            572.44    Shear (lb/sq ft)            0.19       0.32       0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.22       0.53       0.37
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8466.95    2351.99   10510.22
  C & E Loss (ft)                     Cum SA (acres)             69.97      12.96      71.75


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6510.57*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  705.64   82.58  701.87  218.65  693.29  382.64  689.01  409.97  681.41
  412.88  681.27  701.89  671.86  825.76  662.06  825.76  656.31  847.27  655.61
  874.61  641.36  970.27  641.36  983.93  641.05  1032.2  636.78 1093.26  632.38
 1114.77  632.23 1156.06  631.36 1202.58  630.71 1311.91  639.87  1362.5  636.01
 1940.53  596.83 2093.94  572.42 2201.14  572.42 2325.23  587.64 2407.95  596.83
 2959.73  600.86 3180.44  602.59 3470.36  602.59 3474.72  602.66    3769   604.8
 3842.57  605.99 3913.03  606.62 4178.63  604.75 4210.42  601.97 4267.16  599.49
 4444.23  605.98  4621.3  619.58 4842.63  698.91  5019.7  705.39

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1940.53     .15 2407.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1940.53 2407.95            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.49    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.46    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       211840.30   83438.60   381035.30
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            211840.30   83438.60   381035.30
  Q Total (cfs)           943777.30    Flow (cfs)             251603.50   140084.60   552089.20
  Top Width (ft)           5019.70    Top Width (ft)           1940.53     467.42    2611.75
  Vel Total (ft/s)            1.40    Avg. Vel. (ft/s)            1.19       1.68       1.45
  Max Chl Dpth (ft)         188.04    Hydr. Depth (ft)          109.17     178.51     145.89
  Conv. Total (cfs)       175702300.0    Conv. (cfs)            46840840.0   26079440.0   102782000.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2008.82     470.79    2681.59
  Min Ch El (ft)            572.42    Shear (lb/sq ft)            0.19       0.32       0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.23       0.54       0.37
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8394.31    2323.28   10379.06
  C & E Loss (ft)                     Cum SA (acres)             69.30      12.80      70.86


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6495.59*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  705.36   82.76  701.64  219.14  693.07   383.5  688.72  410.89  681.19
  413.81  681.04  703.47  671.73  827.61  661.83  827.61  655.92  849.18  655.23
  876.57  641.14  972.44  641.14  986.14  640.81 1034.51  636.55 1095.71  632.18
 1117.28  632.02 1158.66  631.14 1205.28  630.47 1314.85  639.47 1365.56  635.63
 1944.89  596.75 2097.73  572.41 2205.11  572.41 2328.52  587.58  2410.8  596.75
 2960.69  600.89 3180.65  602.66 3469.58  602.66 3473.93  602.73 3767.21  604.75
 3840.53  605.92 3910.74  606.54 4175.43  604.62 4207.12  601.86 4263.67  599.47
 4440.13  606.13 4616.59  619.84 4837.17  698.61 5013.64  705.27

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1944.89     .15  2410.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1944.89  2410.8            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.49    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.46    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       212767.60   83193.09   379750.00
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            212767.60   83193.09   379750.00
  Q Total (cfs)           943776.90    Flow (cfs)             253270.40   139819.30   550687.20
  Top Width (ft)           5013.64    Top Width (ft)           1944.89     465.91    2602.84
  Vel Total (ft/s)            1.40    Avg. Vel. (ft/s)            1.19       1.68       1.45
  Max Chl Dpth (ft)         188.05    Hydr. Depth (ft)          109.40     178.56     145.90
  Conv. Total (cfs)       175549800.0    Conv. (cfs)            47110260.0   26007470.0   102432100.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2013.48     469.27    2672.68
  Min Ch El (ft)            572.41    Shear (lb/sq ft)            0.19       0.32       0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.23       0.54       0.37
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8321.35    2294.64   10248.33
  C & E Loss (ft)                     Cum SA (acres)             68.63      12.64      69.96
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6480.60*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  705.09   82.95  701.41  219.63  692.84  384.36  688.43  411.81  680.96
  414.73  680.82  705.05   671.6  829.46  661.59  829.46  655.53  851.08  654.85
  878.53  640.91  974.62  640.91  988.35  640.57 1036.83  636.32 1098.16  631.98
 1119.78  631.82 1161.25  630.91 1207.98  630.23  1317.8  639.08 1368.62  635.25
 1949.24  596.67 2101.52  572.39 2209.09  572.39 2331.82  587.52 2413.64  596.67
 2961.65  600.91 3180.86  602.73  3468.8  602.73 3473.13   602.8 3765.41   604.7
 3838.48  605.86 3908.45  606.45 4172.24  604.48 4203.82  601.74 4260.17  599.46
 4436.03  606.29 4611.89  620.09 4831.72  698.32 5007.58  705.15

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1949.24     .15 2413.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1949.24 2413.64            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.49    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.46    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       213696.80   82950.16   378471.50
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            213696.80   82950.16   378471.50
  Q Total (cfs)           943776.50    Flow (cfs)             254939.30   139556.30   549280.90
  Top Width (ft)           5007.58    Top Width (ft)           1949.24     464.40    2593.94
  Vel Total (ft/s)            1.40    Avg. Vel. (ft/s)            1.19       1.68       1.45
  Max Chl Dpth (ft)         188.07    Hydr. Depth (ft)          109.63     178.62     145.91
  Conv. Total (cfs)       175402400.0    Conv. (cfs)            47380890.0   25936760.0   102084800.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2018.12     467.76    2663.78
  Min Ch El (ft)            572.39    Shear (lb/sq ft)            0.19       0.32       0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.23       0.54       0.37
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8248.07    2266.10   10118.04
  C & E Loss (ft)                     Cum SA (acres)             67.96      12.48      69.07


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6465.62*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  704.82   83.13  701.17  220.12  692.61  385.22  688.14  412.73  680.74
  415.66  680.59  706.62  671.48  831.32  661.36  831.32  655.15  852.98  654.47
   880.5  640.68   976.8  640.68  990.56  640.34 1039.15  636.09 1100.62  631.78
 1122.28  631.61 1163.85  630.68 1210.68  629.98 1320.74  638.68 1371.68  634.87
  1953.6  596.58  2105.3  572.38 2213.07  572.38 2335.11  587.45 2416.48  596.58
 2962.61  600.93 3181.07   602.8 3468.02   602.8 3472.34  602.86 3763.61  604.65
 3836.43   605.8 3906.16  606.36 4169.05  604.34 4200.52  601.62 4256.67  599.45
 4431.93  606.45 4607.19  620.34 4826.26  698.03 5001.52  705.03

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  1953.6     .15 2416.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        1953.6 2416.48            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.49    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.46    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       214633.00   82704.98   377195.90
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            214633.00   82704.98   377195.90
  Q Total (cfs)           943776.10    Flow (cfs)             256620.60   139286.80   547868.70
  Top Width (ft)           5001.52    Top Width (ft)           1953.60     462.88    2585.04
  Vel Total (ft/s)            1.40    Avg. Vel. (ft/s)            1.20       1.68       1.45
  Max Chl Dpth (ft)         188.08    Hydr. Depth (ft)          109.87     178.67     145.91
  Conv. Total (cfs)       175258300.0    Conv. (cfs)            47654190.0   25865430.0   101738700.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2022.76     466.24    2654.88
  Min Ch El (ft)            572.38    Shear (lb/sq ft)            0.19       0.32       0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.23       0.54       0.37
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8174.47    2237.63    9988.19
  C & E Loss (ft)                     Cum SA (acres)             67.29      12.32      68.18


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6450.63*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  704.55   83.32  700.94  220.61  692.38  386.08  687.86  413.65  680.51
  416.59  680.36   708.2  671.35  833.17  661.13  833.17  654.76  854.88  654.09
  882.46  640.45  978.98  640.45  992.77   640.1 1041.47  635.85 1103.07  631.57
 1124.78  631.41 1166.44  630.45 1213.38  629.74 1323.69  638.28 1374.73  634.48
 1957.95   596.5 2109.09  572.36 2217.05  572.36 2338.41  587.39 2419.32   596.5
 2963.57  600.95 3181.27  602.86 3467.24  602.86 3471.54  602.93 3761.81   604.6
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 3834.38  605.73 3903.87  606.27 4165.85   604.2 4197.22  601.51 4253.18  599.43
 4427.83   606.6 4602.48  620.59  4820.8  697.74 4995.45  704.91

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1957.95     .15 2419.32     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1957.95 2419.32            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.49    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.46    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       215570.80   82461.70   375922.30
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            215570.80   82461.70   375922.30
  Q Total (cfs)           943775.70    Flow (cfs)             258305.40   139017.40   546452.90
  Top Width (ft)           4995.45    Top Width (ft)          1957.95     461.37    2576.13
  Vel Total (ft/s)            1.40    Avg. Vel. (ft/s)           1.20       1.69       1.45
  Max Chl Dpth (ft)         188.10    Hydr. Depth (ft)         110.10     178.73     145.93
  Conv. Total (cfs)       175116500.0    Conv. (cfs)           47928270.0   25794520.0   101393700.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2027.42     464.72    2645.97
  Min Ch El (ft)            572.36    Shear (lb/sq ft)           0.19       0.32       0.26
  Alpha                       1.04    Stream Power (lb/ft s)     0.23       0.54       0.37
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    8100.55    2209.25    9858.78
  C & E Loss (ft)                     Cum SA (acres)            66.62      12.16      67.29


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6435.65*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  704.27    83.5  700.71  221.11  692.15  386.93  687.57  414.57  680.28
  417.51  680.14  709.77  671.23  835.03  660.89  835.03  654.38  856.78  653.71
  884.42  640.23  981.16  640.23  994.97  639.87 1043.78  635.62 1105.53  631.37
 1127.28   631.2 1169.04  630.23 1216.08  629.49 1326.63  637.88 1377.79   634.1
 1962.31  596.42 2112.88  572.35 2221.02  572.35  2341.7  587.33 2422.16  596.42
 2964.53  600.98 3181.48  602.93 3466.46  602.93 3470.75     603 3760.01  604.55
 3832.33  605.67 3901.58  606.18 4162.66  604.06 4193.91  601.39 4249.68  599.42
 4423.73  606.76 4597.78  620.85 4815.34  697.45 4989.39  704.79

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1962.31     .15 2422.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1962.31 2422.16            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.49    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.46    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       216505.60   82213.82   374636.80
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            216505.60   82213.82   374636.80
  Q Total (cfs)           943775.40    Flow (cfs)             260000.50   138743.90   545031.00
  Top Width (ft)           4989.39    Top Width (ft)          1962.31     459.85    2567.23
  Vel Total (ft/s)            1.40    Avg. Vel. (ft/s)           1.20       1.69       1.45
  Max Chl Dpth (ft)         188.11    Hydr. Depth (ft)         110.33     178.78     145.93
  Conv. Total (cfs)       174966400.0    Conv. (cfs)           48201460.0   25721710.0   101043200.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2032.07     463.20    2637.07
  Min Ch El (ft)            572.35    Shear (lb/sq ft)           0.19       0.32       0.26
  Alpha                       1.04    Stream Power (lb/ft s)     0.23       0.54       0.38
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    8026.30    2180.95    9729.81
  C & E Loss (ft)                     Cum SA (acres)            65.95      12.00      66.41


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6420.66*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     704   83.69  700.48   221.6  691.92  387.79  687.28  415.49  680.06
  418.44  679.91  711.35   671.1  836.88  660.66  836.88  653.99  858.69  653.33
  886.38     640  983.33     640  997.18  639.63  1046.1  635.39 1107.98  631.17
 1129.79     631 1171.63     630 1218.78  629.25 1329.58  637.48 1380.85  633.72
 1966.67  596.33 2116.67  572.33    2225  572.33    2345  587.27    2425  596.33
 2965.49     601 3181.69     603 3465.68     603 3469.95  603.07 3758.22   604.5
 3830.28  605.61 3899.29  606.09 4159.46  603.93 4190.61  601.27 4246.19  599.41
 4419.63  606.92 4593.08   621.1 4809.89  697.15 4983.33  704.67

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1966.67     .15    2425     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1966.67    2425            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.49    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.46    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       217448.40   81969.60   373360.60
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            217448.40   81969.60   373360.60
  Q Total (cfs)           943774.90    Flow (cfs)             261701.30   138472.90   543600.80
  Top Width (ft)           4983.33    Top Width (ft)          1966.67     458.33    2558.33
  Vel Total (ft/s)            1.40    Avg. Vel. (ft/s)           1.20       1.69       1.46
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  Max Chl Dpth (ft)          188.13    Hydr. Depth (ft)          110.57     178.84     145.94
  Conv. Total (cfs)        174825300.0    Conv. (cfs)            48477660.0   25650780.0   100696800.0
  Length Wtd. (ft)            14.97    Wetted Per. (ft)         2036.73     461.68    2628.17
  Min Ch El (ft)             572.33    Shear (lb/sq ft)            0.19       0.32       0.26
  Alpha                        1.04    Stream Power (lb/ft s)      0.23       0.55       0.38
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)     7951.73    2152.74    9601.28
  C & E Loss (ft)                      Cum SA (acres)             65.27      11.84      65.53


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6405.68*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  703.73   83.87  700.24  222.09  691.69  388.65  686.99  416.41  679.83
  419.37  679.69  712.92  670.97  838.73  660.42  838.73   653.6  860.59  652.95
  888.35  639.77  985.51  639.77  999.39   639.4 1048.42  635.16 1110.44  630.97
 1132.29   630.8 1174.23  629.77 1221.48     629 1332.52  637.09 1383.91  633.33
 1971.02  596.25 2120.45  572.32 2228.98  572.32  2348.3   587.2 2427.84  596.25
 2966.45  601.02  3181.9  603.07  3464.9  603.07 3469.16  603.13 3756.42  604.45
 3828.23  605.54 3897.01     606 4156.27  603.79 4187.31  601.16 4242.69  599.39
 4415.53  607.08 4588.38  621.35 4804.43  696.86 4977.27  704.55

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1971.02     .15 2427.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1971.02 2427.84            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)             760.49    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             760.45    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                       Flow Area (sq ft)       218392.10   81724.51   372083.30
  E.G. Slope (ft/ft)       0.000029    Area (sq ft)            218392.10   81724.51   372083.30
  Q Total (cfs)            943774.60    Flow (cfs)             263410.00   138197.60   542167.10
  Top Width (ft)            4977.27    Top Width (ft)           1971.02     456.82    2549.43
  Vel Total (ft/s)             1.40    Avg. Vel. (ft/s)            1.21       1.69       1.46
  Max Chl Dpth (ft)          188.13    Hydr. Depth (ft)          110.80     178.90     145.95
  Conv. Total (cfs)        174683600.0    Conv. (cfs)            48754650.0   25579040.0   100349900.0
  Length Wtd. (ft)            14.97    Wetted Per. (ft)         2041.38     460.16    2619.27
  Min Ch El (ft)             572.32    Shear (lb/sq ft)            0.19       0.32       0.26
  Alpha                        1.04    Stream Power (lb/ft s)      0.24       0.55       0.38
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)     7876.84    2124.61    9473.19
  C & E Loss (ft)                      Cum SA (acres)             64.60      11.69      64.65


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6390.69*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  703.45   84.06  700.01  222.58  691.46  389.51   686.7  417.33  679.61
  420.29  679.46   714.5  670.85  840.59  660.19  840.59  653.22  862.49  652.58
  890.31  639.55  987.69  639.55  1001.6  639.16 1050.73  634.93 1112.89  630.77
 1134.79  630.59 1176.82  629.55 1224.18  628.76 1335.47  636.69 1386.97  632.95
 1975.38  596.17 2124.24   572.3 2232.95   572.3 2351.59  587.14 2430.68  596.17
 2967.41  601.05 3182.11  603.14 3464.12  603.14 3468.36   603.2 3754.62   604.4
 3826.18  605.48 3894.72  605.91 4153.08  603.65 4184.01  601.04 4239.19  599.38
 4411.43  607.23 4583.67   621.6 4798.97  696.57 4971.21  704.42

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1975.38     .15 2430.68     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1975.38 2430.68            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)             760.49    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             760.45    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                       Flow Area (sq ft)       219332.80   81478.59   370801.50
  E.G. Slope (ft/ft)       0.000029    Area (sq ft)            219332.80   81478.59   370801.50
  Q Total (cfs)            943774.30    Flow (cfs)             265120.60   137923.80   540729.80
  Top Width (ft)            4971.21    Top Width (ft)           1975.38     455.30    2540.53
  Vel Total (ft/s)             1.41    Avg. Vel. (ft/s)            1.21       1.69       1.46
  Max Chl Dpth (ft)          188.15    Hydr. Depth (ft)          111.03     178.96     145.95
  Conv. Total (cfs)        174538300.0    Conv. (cfs)            49030470.0   25507150.0   100000700.0
  Length Wtd. (ft)            14.97    Wetted Per. (ft)         2046.05     458.64    2610.39
  Min Ch El (ft)             572.30    Shear (lb/sq ft)            0.20       0.32       0.26
  Alpha                        1.04    Stream Power (lb/ft s)      0.24       0.55       0.38
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)     7801.63    2096.57    9345.54
  C & E Loss (ft)                      Cum SA (acres)             63.92      11.53      63.77


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6375.71*

INPUT
Description:
Station Elevation Data    num=      39
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  703.18   84.24  699.78  223.07  691.23  390.37  686.41  418.25  679.38
  421.22  679.23  716.07  670.72  842.44  659.95  842.44  652.83  864.39   652.2
  892.27  639.32  989.87  639.32 1003.81  638.93 1053.05  634.69 1115.34  630.57
 1137.29  630.39 1179.42  629.32 1226.88  628.52 1338.41  636.29 1390.03  632.57
 1979.73  596.08 2128.03  572.29 2236.93  572.29 2354.89  587.08 2433.52  596.08
 2968.37  601.07 3182.31   603.2 3463.34   603.2 3467.57  603.27 3752.82  604.34
 3824.14  605.41 3892.43  605.83 4149.88  603.51  4180.7  600.92  4235.7  599.37
 4407.33  607.39 4578.97  621.85 4793.52  696.28 4965.15   704.3

Manning's n Values         num=        3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1979.73     .15 2433.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1979.73 2433.52            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.48    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.45    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       220281.20   81233.16   369528.80
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            220281.20   81233.16   369528.80
  Q Total (cfs)           943773.90    Flow (cfs)             266840.40   137644.00   539289.60
  Top Width (ft)           4965.15    Top Width (ft)          1979.73     453.79    2531.63
  Vel Total (ft/s)            1.41    Avg. Vel. (ft/s)           1.21       1.69       1.46
  Max Chl Dpth (ft)         188.16    Hydr. Depth (ft)         111.27     179.01     145.96
  Conv. Total (cfs)       174400700.0    Conv. (cfs)           49309640.0   25435330.0   99655740.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2050.70     457.12    2601.50
  Min Ch El (ft)            572.29    Shear (lb/sq ft)           0.20       0.32       0.26
  Alpha                       1.04    Stream Power (lb/ft s)     0.24       0.55       0.38
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    7726.09    2068.61    9218.33
  C & E Loss (ft)                     Cum SA (acres)            63.24      11.37      62.90


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6360.72*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  702.91   84.43  699.54  223.56     691  391.23  686.12  419.17  679.15
  422.15  679.01  717.65  670.59  844.29  659.72  844.29  652.44  866.29  651.82
  894.24  639.09  992.05  639.09 1006.02  638.69 1055.37  634.46  1117.8  630.37
  1139.8  630.18 1182.01  629.09 1229.58  628.27 1341.36  635.89 1393.09  632.18
 1984.09     596 2131.82  572.27 2240.91  572.27 2358.18  587.02 2436.36     596
 2969.33  601.09 3182.52  603.27 3462.56  603.27 3466.77  603.34 3751.02  604.29
 3822.09  605.35 3890.14  605.74 4146.69  603.37  4177.4  600.81  4232.2  599.35
 4403.24  607.55 4574.27  622.11 4788.06  695.99 4959.09  704.18

Manning's n Values         num=        3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1984.09     .15 2436.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1984.09 2436.36            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.48    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.45    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       221233.20   80986.99   368247.10
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            221233.20   80986.99   368247.10
  Q Total (cfs)           943773.50    Flow (cfs)             268574.30   137364.80   537834.50
  Top Width (ft)           4959.09    Top Width (ft)          1984.09     452.27    2522.73
  Vel Total (ft/s)            1.41    Avg. Vel. (ft/s)           1.21       1.70       1.46
  Max Chl Dpth (ft)         188.18    Hydr. Depth (ft)         111.50     179.07     145.97
  Conv. Total (cfs)       174260100.0    Conv. (cfs)           49590060.0   25363290.0   99306780.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2055.37     455.60    2592.60
  Min Ch El (ft)            572.27    Shear (lb/sq ft)           0.20       0.33       0.26
  Alpha                       1.04    Stream Power (lb/ft s)     0.24       0.55       0.38
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    7650.22    2040.74    9091.56
  C & E Loss (ft)                     Cum SA (acres)            62.56      11.22      62.03


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6345.74*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  702.64   84.61  699.31  224.05  690.77  392.09  685.83  420.09  678.93
  423.07  678.78  719.23  670.47  846.15  659.48  846.15  652.06   868.2  651.44
   896.2  638.86  994.22  638.86 1008.23  638.45 1057.68  634.23 1120.25  630.17
  1142.3  629.98 1184.61  628.86 1232.28  628.03  1344.3  635.49 1396.14   631.8
 1988.45  595.92 2135.61  572.26 2244.89  572.26 2361.48  586.96  2439.2  595.92
 2970.29  601.11 3182.73  603.34 3461.78  603.34 3465.98   603.4 3749.23  604.24
 3820.04  605.29 3887.85  605.65 4143.49  603.24  4174.1  600.69 4228.71  599.34
 4399.14  607.71 4569.57  622.36  4782.6  695.69 4953.03  704.06

Manning's n Values         num=        3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1988.45     .15  2439.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1988.45  2439.2            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.48    Element                   Left OB    Channel   Right OB
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  Vel Head (ft)              0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           760.45    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                     Flow Area (sq ft)       222181.70   80738.30   366968.20
  E.G. Slope (ft/ft)     0.000029    Area (sq ft)            222181.70   80738.30   366968.20
  Q Total (cfs)          943773.10    Flow (cfs)             270307.70   137079.30   536386.20
  Top Width (ft)          4953.03    Top Width (ft)           1988.45     450.75    2513.83
  Vel Total (ft/s)           1.41    Avg. Vel. (ft/s)            1.22       1.70       1.46
  Max Chl Dpth (ft)        188.19    Hydr. Depth (ft)         111.74     179.12     145.98
  Conv. Total (cfs)      174118800.0    Conv. (cfs)           49869650.0   25290060.0   98959060.0
  Length Wtd. (ft)          14.97    Wetted Per. (ft)         2060.02     454.08    2583.71
  Min Ch El (ft)           572.26    Shear (lb/sq ft)            0.20       0.33       0.26
  Alpha                      1.04    Stream Power (lb/ft s)      0.24       0.55       0.38
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     7574.03    2012.95    8965.22
  C & E Loss (ft)                    Cum SA (acres)             61.88      11.06      61.17


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6330.75*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  702.36    84.8  699.08  224.54  690.55  392.95  685.54  421.01   678.7
     424  678.55   720.8  670.34     848  659.25     848  651.67   870.1  651.06
  898.16  638.64   996.4  638.64 1010.44  638.22    1060     634 1122.71  629.97
  1144.8  629.77  1187.2  628.64 1234.98  627.78 1347.25  635.09  1399.2  631.42
  1992.8  595.83 2139.39  572.24 2248.86  572.24 2364.77  586.89 2442.05  595.83
 2971.25  601.14 3182.94  603.41    3461  603.41 3465.18  603.47 3747.43  604.19
 3817.99  605.22 3885.56  605.56  4140.3   603.1  4170.8  600.57 4225.21  599.33
 4395.04  607.86 4564.86  622.61 4777.14   695.4 4946.97  703.94

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  1992.8     .15 2442.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        1992.8 2442.05            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)           760.48    Element                  Left OB    Channel   Right OB
  Vel Head (ft)              0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           760.45    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                     Flow Area (sq ft)       223133.60   80497.41   365686.70
  E.G. Slope (ft/ft)     0.000029    Area (sq ft)            223133.60   80497.41   365686.70
  Q Total (cfs)          943772.80    Flow (cfs)             272045.00   136808.60   534919.10
  Top Width (ft)          4946.97    Top Width (ft)           1992.80     449.25    2504.92
  Vel Total (ft/s)           1.41    Avg. Vel. (ft/s)            1.22       1.70       1.46
  Max Chl Dpth (ft)        188.21    Hydr. Depth (ft)         111.97     179.18     145.99
  Conv. Total (cfs)      173981000.0    Conv. (cfs)           50150470.0   25220150.0   98610330.0
  Length Wtd. (ft)          14.97    Wetted Per. (ft)         2064.70     452.57    2574.81
  Min Ch El (ft)           572.24    Shear (lb/sq ft)            0.20       0.33       0.26
  Alpha                      1.04    Stream Power (lb/ft s)      0.24       0.56       0.38
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     7497.51    1985.24    8839.33
  C & E Loss (ft)                    Cum SA (acres)             61.19      10.91      60.31


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6315.77*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  702.09    84.99  698.85  225.03  690.32  393.81  685.25  421.93  678.48
  424.93  678.33  722.38  670.22  849.85  659.01  849.85  651.29     872  650.68
  900.13  638.41  998.58  638.41 1012.64  637.98 1062.32  633.77 1125.16  629.77
  1147.3  629.57  1189.8  628.41 1237.68  627.54 1350.19   634.7 1402.26  631.03
 1997.16  595.75 2143.18  572.23 2252.84  572.23 2368.07  586.83 2444.89  595.75
 2972.22  601.16 3183.15  603.48 3460.22  603.48 3464.39  603.54 3745.63  604.14
 3815.94  605.16 3883.27  605.47 4137.11  602.96 4167.49  600.46 4221.72  599.31
 4390.94  608.02 4560.16  622.86 4771.69  695.11 4940.91  703.82

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1997.16     .15 2444.89     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        1997.16 2444.89           14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)           760.48    Element                  Left OB    Channel   Right OB
  Vel Head (ft)              0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           760.45    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                     Flow Area (sq ft)       224087.10   80248.45   364407.10
  E.G. Slope (ft/ft)     0.000029    Area (sq ft)            224087.10   80248.45   364407.10
  Q Total (cfs)          943772.40    Flow (cfs)             273793.70   136520.10   533458.60
  Top Width (ft)          4940.91    Top Width (ft)           1997.16     447.73    2496.02
  Vel Total (ft/s)           1.41    Avg. Vel. (ft/s)            1.22       1.70       1.46
  Max Chl Dpth (ft)        188.22    Hydr. Depth (ft)         112.20     179.23     146.00
  Conv. Total (cfs)      173841300.0    Conv. (cfs)           50432330.0   25146770.0   98262160.0
  Length Wtd. (ft)          14.97    Wetted Per. (ft)         2069.35     451.05    2565.92
  Min Ch El (ft)           572.23    Shear (lb/sq ft)            0.20       0.33       0.26
  Alpha                      1.04    Stream Power (lb/ft s)      0.24       0.56       0.38
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     7420.66    1957.62    8713.88
  C & E Loss (ft)                    Cum SA (acres)             60.51      10.76      59.45


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6300.78*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  701.82   85.17  698.61  225.52  690.09  394.66  684.96  422.86  678.25
  425.85   678.1  723.95  670.09  851.71  658.78  851.71   650.9   873.9   650.3
  902.09  638.18 1000.76  638.18 1014.85  637.75 1064.64  633.54 1127.61  629.57
 1149.81  629.36 1192.39  628.18 1240.38  627.29 1353.14   634.3 1405.32  630.65
 2001.52  595.67 2146.97  572.21 2256.82  572.21 2371.36  586.77 2447.73  595.67
 2973.18  601.18 3183.35  603.55 3459.44  603.55 3463.59  603.61 3743.83  604.09
 3813.89   605.1 3880.98  605.38 4133.91  602.82 4164.19  600.34 4218.22   599.3
 4386.84  608.18 4555.46  623.12 4766.23  694.82 4934.85   703.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2001.52     .15 2447.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2001.52 2447.73            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.48    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.45    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       225045.30   80001.59   363123.90
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            225045.30   80001.59   363123.90
  Q Total (cfs)           943772.00    Flow (cfs)             275552.40   136235.70   531983.90
  Top Width (ft)           4934.85    Top Width (ft)           2001.52     446.21    2487.12
  Vel Total (ft/s)            1.41    Avg. Vel. (ft/s)            1.22       1.70       1.47
  Max Chl Dpth (ft)         188.24    Hydr. Depth (ft)          112.44     179.29     146.00
  Conv. Total (cfs)       173702700.0    Conv. (cfs)            50715840.0   25074380.0   97912440.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2074.03     449.53    2557.03
  Min Ch El (ft)            572.21    Shear (lb/sq ft)            0.20       0.33       0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.24       0.56       0.38
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7343.49    1930.08    8588.86
  C & E Loss (ft)                     Cum SA (acres)             59.82      10.60      58.59


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6285.80*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  701.55   85.36  698.38  226.01  689.86  395.52  684.67  423.78  678.03
  426.78  677.87  725.53  669.96  853.56  658.54  853.56  650.51   875.8  649.92
  904.05  637.95 1002.94  637.95 1017.06  637.51 1066.95   633.3 1130.07  629.37
 1152.31  629.16 1194.99  627.95 1243.08  627.05 1356.08   633.9 1408.38  630.27
 2005.87  595.58 2150.76   572.2  2260.8   572.2 2374.66  586.71 2450.57  595.58
 2974.14   601.2 3183.56  603.61 3458.66  603.61  3462.8  603.67 3742.03  604.04
 3811.84  605.03 3878.69  605.29 4130.72  602.68 4160.89  600.22 4214.72  599.29
 4382.74  608.33 4550.75  623.37 4760.77  694.53 4928.79  703.58

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2005.87     .15 2450.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2005.87 2450.57            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.48    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.45    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       226006.10   79755.20   361852.40
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            226006.10   79755.20   361852.40
  Q Total (cfs)           943771.60    Flow (cfs)             277311.50   135945.90   530514.20
  Top Width (ft)           4928.79    Top Width (ft)           2005.87     444.70    2478.22
  Vel Total (ft/s)            1.41    Avg. Vel. (ft/s)            1.23       1.70       1.47
  Max Chl Dpth (ft)         188.25    Hydr. Depth (ft)          112.67     179.35     146.01
  Conv. Total (cfs)       173570800.0    Conv. (cfs)            51000880.0   25002070.0   97567860.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2078.69     448.01    2548.15
  Min Ch El (ft)            572.20    Shear (lb/sq ft)            0.20       0.33       0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.25       0.56       0.38
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7265.98    1902.63    8464.29
  C & E Loss (ft)                     Cum SA (acres)             59.13      10.45      57.74


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6270.81*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  701.27   85.54  698.15   226.5  689.63  396.38  684.39   424.7   677.8
  427.71  677.65   727.1  669.84  855.42  658.31  855.42  650.13   877.7  649.55
  906.02  637.73 1005.11  637.73 1019.27  637.28 1069.27  633.07 1132.52  629.17
 1154.81  628.95 1197.58  627.73 1245.77  626.81 1359.03   633.5 1411.44  629.88
 2010.23   595.5 2154.55  572.18 2264.77  572.18 2377.95  586.65 2453.41   595.5
  2975.1  601.23 3183.77  603.68 3457.88  603.68    3462  603.74 3740.24  603.99
  3809.8  604.97 3876.41   605.2 4127.52  602.55 4157.59   600.1 4211.23  599.27
 4378.64  608.49 4546.05  623.62 4755.32  694.24 4922.73  703.45

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2010.23     .15 2453.41     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2010.23 2453.41            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.48    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.45    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       226963.30   79507.91   360568.20
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            226963.30   79507.91   360568.20
  Q Total (cfs)           943771.30    Flow (cfs)             279077.50   135660.30   529033.40
  Top Width (ft)           4922.73    Top Width (ft)          2010.23     443.18    2469.32
  Vel Total (ft/s)            1.41    Avg. Vel. (ft/s)           1.23       1.71       1.47
  Max Chl Dpth (ft)         188.27    Hydr. Depth (ft)         112.90     179.40     146.02
  Conv. Total (cfs)       173431100.0    Conv. (cfs)           51284380.0   24929470.0   97217270.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2083.38     446.49    2539.27
  Min Ch El (ft)            572.18    Shear (lb/sq ft)           0.20       0.33       0.26
  Alpha                       1.04    Stream Power (lb/ft s)     0.25       0.56       0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    7188.15    1875.27    8340.16
  C & E Loss (ft)                     Cum SA (acres)            58.44      10.30      56.89


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6255.83*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     701   85.73  697.92     227   689.4  397.24   684.1  425.62  677.57
  428.63  677.42  728.68  669.71  857.27  658.07  857.27  649.74  879.61  649.17
  907.98   637.5 1007.29   637.5 1021.48  637.04 1071.59  632.84 1134.98  628.97
 1157.31  628.75 1200.18   627.5 1248.47  626.56 1361.97   633.1 1414.49   629.5
 2014.58  595.42 2158.33  572.17 2268.75  572.17 2381.25  586.58 2456.25  595.42
 2976.06  601.25 3183.98  603.75  3457.1  603.75 3461.21  603.81 3738.44  603.94
 3807.75   604.9 3874.12  605.12 4124.33  602.41 4154.28  599.99 4207.73  599.26
 4374.54  608.65 4541.35  623.87 4749.86  693.94 4916.67  703.33

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2014.58     .15 2456.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2014.58 2456.25            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.48    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.44    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       227925.90   79261.17   359287.40
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            227925.90   79261.17   359287.40
  Q Total (cfs)           943770.90    Flow (cfs)             280853.10   135370.90   527546.90
  Top Width (ft)           4916.67    Top Width (ft)          2014.58     441.67    2460.42
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)           1.23       1.71       1.47
  Max Chl Dpth (ft)         188.27    Hydr. Depth (ft)         113.14     179.46     146.03
  Conv. Total (cfs)       173295800.0    Conv. (cfs)           51570430.0   24856890.0   96868500.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2088.04     444.98    2530.39
  Min Ch El (ft)            572.17    Shear (lb/sq ft)           0.20       0.33       0.26
  Alpha                       1.03    Stream Power (lb/ft s)     0.25       0.56       0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    7109.98    1847.98    8216.46
  C & E Loss (ft)                     Cum SA (acres)            57.75      10.14      56.04


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6240.84*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  700.73   85.91  697.68  227.49  689.17   398.1  683.81  426.54  677.35
  429.56   677.2  730.25  669.59  859.12  657.84  859.12  649.35  881.51  648.79
  909.94  637.27 1009.47  637.27 1023.69   636.8  1073.9  632.61 1137.43  628.77
 1159.82  628.55 1202.77  627.27 1251.17  626.32 1364.92  632.71 1417.55  629.12
 2018.94  595.33 2162.12  572.15 2272.73  572.15 2384.55  586.52 2459.09  595.33
 2977.02  601.27 3184.19  603.82 3456.32  603.82 3460.41  603.87 3736.64  603.88
  3805.7  604.84 3871.83  605.03 4121.14  602.27 4150.98  599.87 4204.24  599.25
 4370.44  608.81 4536.65  624.12  4744.4  693.65 4910.61  703.21

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2018.94     .15 2459.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2018.94 2459.09            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.48    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.44    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       228889.90   79014.85   358011.30
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            228889.90   79014.85   358011.30
  Q Total (cfs)           943770.50    Flow (cfs)             282628.90   135081.80   526059.90
  Top Width (ft)           4910.61    Top Width (ft)          2018.94     440.15    2451.52
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)           1.23       1.71       1.47
  Max Chl Dpth (ft)         188.29    Hydr. Depth (ft)         113.37     179.52     146.04
  Conv. Total (cfs)       173163500.0    Conv. (cfs)           51856900.0   24784880.0   96521740.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2092.73     443.45    2521.51
  Min Ch El (ft)            572.15    Shear (lb/sq ft)           0.20       0.33       0.26
  Alpha                       1.03    Stream Power (lb/ft s)     0.25       0.56       0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    7031.49    1820.79    8093.21
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  C & E Loss (ft)                     Cum SA (acres)            57.05       9.99      55.20

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6225.86*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  700.45    86.1  697.45  227.98  688.94  398.96  683.52  427.46  677.12
  430.49  676.97  731.83  669.46  860.98   657.6  860.98  648.97  883.41  648.41
  911.91  637.05 1011.65  637.05  1025.9  636.57 1076.22  632.38 1139.88  628.57
 1162.32  628.34 1205.37  627.05 1253.87  626.07 1367.86  632.31 1420.61  628.73
  2023.3  595.25 2165.91  572.14  2276.7  572.14 2387.84  586.46 2461.93  595.25
 2977.98   601.3  3184.4  603.89 3455.54  603.89 3459.62  603.94 3734.84  603.83
 3803.65  604.78 3869.54  604.94 4117.94  602.13 4147.68  599.75 4200.74  599.23
 4366.34  608.96 4531.94  624.38 4738.94  693.36 4904.55  703.09

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  2023.3     .15 2461.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2023.3 2461.93            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.47    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.44    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       229859.40   78764.67   356726.20
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            229859.40   78764.67   356726.20
  Q Total (cfs)           943770.10    Flow (cfs)             284426.80   134784.20   524559.10
  Top Width (ft)           4904.55    Top Width (ft)          2023.30     438.63    2442.62
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)           1.24       1.71       1.47
  Max Chl Dpth (ft)         188.30    Hydr. Depth (ft)          113.61     179.57     146.04
  Conv. Total (cfs)       173027700.0    Conv. (cfs)           52145880.0   24710890.0   96170960.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2097.40     441.93    2512.62
  Min Ch El (ft)            572.14    Shear (lb/sq ft)           0.20       0.33       0.26
  Alpha                       1.03    Stream Power (lb/ft s)     0.25       0.57       0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6952.66    1793.68    7970.39
  C & E Loss (ft)                     Cum SA (acres)            56.36       9.84      54.35

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6210.87*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  700.18   86.28  697.22  228.47  688.71  399.82  683.23  428.38   676.9
  431.42  676.74  733.41  669.33  862.83  657.37  862.83  648.58  885.31  648.03
  913.87  636.82 1013.83  636.82  1028.1  636.33 1078.54  632.15 1142.34  628.37
 1164.82  628.14 1207.96  626.82 1256.57  625.83 1370.81  631.91 1423.67  628.35
 2027.65  595.17  2169.7  572.12 2280.68  572.12 2391.14   586.4 2464.77  595.17
 2978.94  601.32  3184.6  603.95 3454.76  603.95 3458.82  604.01 3733.05  603.78
  3801.6  604.71 3867.25  604.85 4114.75  601.99 4144.38  599.64 4197.25  599.22
 4362.24  609.12 4527.24  624.63 4733.49  693.07 4898.49  702.97

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2027.65     .15 2464.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2027.65 2464.77           14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.47    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.44    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       230826.30   78518.75   355448.70
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            230826.30   78518.75   355448.70
  Q Total (cfs)           943769.80    Flow (cfs)             286216.10   134492.10   523061.60
  Top Width (ft)           4898.49    Top Width (ft)          2027.65     437.12    2433.72
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)           1.24       1.71       1.47
  Max Chl Dpth (ft)         188.32    Hydr. Depth (ft)          113.84     179.63     146.05
  Conv. Total (cfs)       172896300.0    Conv. (cfs)           52434070.0   24638620.0   95823560.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2102.08     440.42    2503.74
  Min Ch El (ft)            572.12    Shear (lb/sq ft)           0.20       0.33       0.26
  Alpha                       1.03    Stream Power (lb/ft s)     0.25       0.57       0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6873.50    1766.65    7848.02
  C & E Loss (ft)                     Cum SA (acres)            55.66       9.69      53.52

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6195.89*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  699.91   86.47  696.99  228.96  688.48  400.68  682.94   429.3  676.67
  432.34  676.52  734.98  669.21  864.68  657.14  864.68   648.2  887.21  647.65
  915.83  636.59    1016  636.59 1030.31   636.1 1080.85  631.91 1144.79  628.16
 1167.32  627.93 1210.56  626.59 1259.27  625.58 1373.75  631.51 1426.73  627.97
 2032.01  595.08 2173.48  572.11 2284.66  572.11 2394.43  586.33 2467.61  595.08
```

```
  2979.9  601.34 3184.81  604.02 3453.98  604.02 3458.03  604.08 3731.25  603.73
 3799.55  604.65 3864.96  604.76 4111.55  601.86 4141.07  599.52 4193.75   599.2
 4358.14  609.28 4522.54  624.88 4728.03  692.78 4892.42  702.85

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2032.01     .15 2467.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2032.01 2467.61            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.47    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.44    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       231797.90   78270.48   354168.10
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            231797.90   78270.48   354168.10
  Q Total (cfs)           943769.40    Flow (cfs)             288018.40   134196.10   521554.80
  Top Width (ft)           4892.42    Top Width (ft)           2032.01     435.60    2424.81
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.24       1.71       1.47
  Max Chl Dpth (ft)         188.33    Hydr. Depth (ft)          114.07     179.68     146.06
  Conv. Total (cfs)       172764800.0    Conv. (cfs)            52724150.0   24565710.0   95474900.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2106.76     438.89    2494.86
  Min Ch El (ft)            572.11    Shear (lb/sq ft)            0.20       0.33       0.26
  Alpha                       1.03    Stream Power (lb/ft s)      0.25       0.57       0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6794.01    1739.71    7726.08
  C & E Loss (ft)                     Cum SA (acres)             54.97       9.54      52.68


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6180.91*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  699.64   86.65  696.75  229.45  688.25  401.54  682.65  430.22  676.44
  433.27  676.29  736.56  669.08  866.54   656.9  866.54  647.81  889.12  647.27
   917.8  636.36 1018.18  636.36 1032.52  635.86 1083.17  631.68 1147.25  627.96
 1169.83  627.73 1213.15  626.36 1261.97  625.34  1376.7  631.11 1429.79  627.59
 2036.36     595 2177.27  572.09 2288.64  572.09 2397.73  586.27 2470.45     595
 2980.86  601.36 3185.02  604.09  3453.2  604.09 3457.23  604.14 3729.45  603.68
  3797.5  604.59 3862.67  604.67 4108.36  601.72 4137.77   599.4 4190.25  599.19
 4354.04  609.44 4517.84  625.13 4722.57  692.48 4886.36  702.73

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2036.36     .15 2470.45     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2036.36 2470.45            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.47    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.44    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       232770.50   78024.14   352888.90
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            232770.50   78024.14   352888.90
  Q Total (cfs)           943769.00    Flow (cfs)             289824.80   133900.80   520043.40
  Top Width (ft)           4886.36    Top Width (ft)           2036.36     434.09    2415.91
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.25       1.72       1.47
  Max Chl Dpth (ft)         188.35    Hydr. Depth (ft)          114.31     179.74     146.07
  Conv. Total (cfs)       172635000.0    Conv. (cfs)            53014980.0   24493240.0   95126740.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2111.43     437.38    2485.98
  Min Ch El (ft)            572.09    Shear (lb/sq ft)            0.21       0.33       0.26
  Alpha                       1.03    Stream Power (lb/ft s)      0.26       0.57       0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6714.18    1712.85    7604.59
  C & E Loss (ft)                     Cum SA (acres)             54.27       9.39      51.85


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6165.92*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  699.36   86.84  696.52  229.94  688.03   402.4  682.36  431.14  676.22
   434.2  676.06  738.13  668.96  868.39  656.67  868.39  647.42  891.02  646.89
  919.76  636.14 1020.36  636.14 1034.73  635.63 1085.49  631.45  1149.7  627.76
 1172.33  627.52 1215.75  626.14 1264.67  625.09 1379.64  630.72 1432.85   627.2
 2040.72  594.92 2181.06  572.08 2292.61  572.08 2401.02  586.21  2473.3  594.92
 2981.82  601.39 3185.23  604.16 3452.42  604.16 3456.44  604.21 3727.65  603.63
 3795.45  604.52 3860.38  604.58 4105.17  601.58 4134.47  599.29 4186.76  599.18
 4349.95  609.59 4513.13  625.39 4717.12  692.19  4880.3  702.61

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2040.72     .15  2473.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2040.72  2473.3            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.47    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.44    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       233743.10   77775.08   351601.50
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            233743.10   77775.08   351601.50
  Q Total (cfs)           943768.70    Flow (cfs)             291641.40   133601.70   518525.60
  Top Width (ft)           4880.30    Top Width (ft)           2040.72     432.58    2407.00
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  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.25       1.72       1.47
  Max Chl Dpth (ft)         188.36    Hydr. Depth (ft)          114.54     179.79     146.07
  Conv. Total (cfs)       172500100.0    Conv. (cfs)            53305620.0   24419440.0   94775060.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2116.14     435.87    2477.09
  Min Ch El (ft)            572.08    Shear (lb/sq ft)            0.21       0.33       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.26       0.57       0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6634.02    1686.08    7483.53
  C & E Loss (ft)                     Cum SA (acres)             53.57       9.24      51.02


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6150.94*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  699.09   87.02  696.29  230.43   687.8  403.25  682.07  432.06  675.99
  435.12  675.84  739.71  668.83  870.24  656.43  870.24  647.04  892.92  646.52
  921.72  635.91 1022.54  635.91 1036.94  635.39 1087.81  631.22 1152.16  627.56
 1174.83  627.32 1218.34  625.91 1267.37  624.85 1382.59  630.32  1435.9  626.82
 2045.08  594.83 2184.85  572.06 2296.59  572.06 2404.32  586.15 2476.14  594.83
 2982.78  601.41 3185.44  604.23 3451.64  604.23 3455.64  604.28 3725.85  603.58
 3793.41  604.46  3858.1  604.49 4101.97  601.44 4131.17  599.17 4183.26  599.16
 4345.85  609.75 4508.43  625.64 4711.66   691.9 4874.24  702.48

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2045.08     .15 2476.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2045.08 2476.14            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.47    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.44    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       234721.80   77527.72   350323.30
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            234721.80   77527.72   350323.30
  Q Total (cfs)           943768.30    Flow (cfs)             293463.40   133303.10   517001.80
  Top Width (ft)           4874.24    Top Width (ft)           2045.08     431.06    2398.10
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.25       1.72       1.48
  Max Chl Dpth (ft)         188.38    Hydr. Depth (ft)          114.77     179.85     146.08
  Conv. Total (cfs)       172372900.0    Conv. (cfs)            53599110.0   24346910.0   94426900.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2120.82     434.34    2468.23
  Min Ch El (ft)            572.06    Shear (lb/sq ft)            0.21       0.33       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.26       0.57       0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6553.52    1659.39    7362.92
  C & E Loss (ft)                     Cum SA (acres)             52.86       9.09      50.20


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6135.95*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  698.82   87.21  696.05  230.92  687.57  404.11  681.78  432.98  675.77
  436.05  675.61  741.28   668.7   872.1   656.2   872.1  646.65  894.82  646.14
  923.69  635.68 1024.72  635.68 1039.15  635.16 1090.12  630.99 1154.61  627.36
 1177.33  627.11 1220.94  625.68 1270.07  624.61 1385.53  629.92 1438.96  626.44
 2049.43  594.75 2188.64  572.05 2300.57  572.05 2407.61  586.09 2478.98  594.75
 2983.74  601.43 3185.64   604.3 3450.86   604.3 3454.85  604.35 3724.06  603.53
 3791.36   604.4 3855.81   604.4 4098.78   601.3 4127.87  599.05 4179.77  599.15
 4341.75  609.91 4503.73  625.89  4706.2  691.61 4868.18  702.36

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2049.43     .15 2478.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2049.43 2478.98            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.47    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.44    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       235699.70   77278.48   349040.50
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            235699.70   77278.48   349040.50
  Q Total (cfs)           943767.90    Flow (cfs)             295293.00   132999.20   515475.60
  Top Width (ft)           4868.18    Top Width (ft)           2049.43     429.55    2389.20
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.25       1.72       1.48
  Max Chl Dpth (ft)         188.39    Hydr. Depth (ft)          115.01     179.91     146.09
  Conv. Total (cfs)       172242400.0    Conv. (cfs)            53892480.0   24273030.0   94076920.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2125.50     432.83    2459.35
  Min Ch El (ft)            572.05    Shear (lb/sq ft)            0.21       0.33       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.26       0.58       0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6472.69    1632.79    7242.75
  C & E Loss (ft)                     Cum SA (acres)             52.16       8.95      49.37


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6120.97*

INPUT
Description:
```

```
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  698.55    87.4  695.82  231.41  687.34  404.97  681.49   433.9  675.54
  436.98  675.39  742.86  668.58  873.95  655.96  873.95  646.26  896.72  645.76
  925.65  635.45 1026.89  635.45 1041.36  634.92 1092.44  630.76 1157.06  627.16
 1179.84  626.91 1223.53  625.45 1272.77  624.36 1388.48  629.52 1442.02  626.05
 2053.79  594.67 2192.42  572.03 2304.55  572.03 2410.91  586.02 2481.82  594.67
  2984.7  601.45 3185.85  604.36 3450.08  604.36 3454.05  604.41 3722.26  603.48
 3789.31  604.33 3853.52  604.32 4095.58  601.17 4124.56  598.94 4176.27  599.14
 4337.65  610.06 4499.02  626.14 4700.75  691.32 4862.12  702.24

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2053.79     .15 2481.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2053.79 2481.82            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.47    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.43    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       236681.40   77030.73   347761.60
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            236681.40   77030.73   347761.60
  Q Total (cfs)           943767.60    Flow (cfs)             297126.60   132697.30   513943.80
  Top Width (ft)           4862.12    Top Width (ft)           2053.79     428.03    2380.30
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.26       1.72       1.48
  Max Chl Dpth (ft)         188.40    Hydr. Depth (ft)          115.24     179.97     146.10
  Conv. Total (cfs)       172116200.0    Conv. (cfs)            54187390.0   24200190.0   93728660.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2130.19     431.31    2450.48
  Min Ch El (ft)            572.03    Shear (lb/sq ft)            0.21       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.26       0.58       0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6391.51    1606.28    7123.01
  C & E Loss (ft)                     Cum SA (acres)             51.46       8.80      48.55


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6105.98*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  698.27   87.58  695.59   231.9  687.11  405.83   681.2  434.82  675.31
   437.9  675.16  744.43  668.45  875.81  655.73  875.81  645.88  898.63  645.38
  927.61  635.23 1029.07  635.23 1043.57  634.68 1094.76  630.52 1159.52  626.96
 1182.34   626.7 1226.13  625.23 1275.47  624.12 1391.42  629.12 1445.08  625.67
 2058.14  594.58 2196.21  572.02 2308.52  572.02  2414.2  585.96 2484.66  594.58
 2985.66  601.48 3186.06  604.43  3449.3  604.43 3453.26  604.48 3720.46  603.42
 3787.26  604.27 3851.23  604.23 4092.39  601.03 4121.26  598.82 4172.78  599.12
 4333.55  610.22 4494.32  626.39 4695.29  691.02 4856.06  702.12

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2058.14     .15 2484.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2058.14 2484.66            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.47    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.43    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       237665.10   76782.12   346482.20
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            237665.10   76782.12   346482.20
  Q Total (cfs)           943767.20    Flow (cfs)             298968.10   132391.40   512407.70
  Top Width (ft)           4856.06    Top Width (ft)           2058.14     426.52    2371.40
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.26       1.72       1.48
  Max Chl Dpth (ft)         188.41    Hydr. Depth (ft)          115.48     180.02     146.11
  Conv. Total (cfs)       171990200.0    Conv. (cfs)            54483340.0   24126740.0   93380130.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2134.88     429.79    2441.61
  Min Ch El (ft)            572.02    Shear (lb/sq ft)            0.21       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.26       0.58       0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6310.01    1579.85    7003.72
  C & E Loss (ft)                     Cum SA (acres)             50.75       8.65      47.74


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6091.00*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     698   87.77  695.36  232.39  686.88  406.69  680.92  435.74  675.09
  438.83  674.93  746.01  668.32  877.66  655.49  877.66  645.49  900.53     645
  929.58     635 1031.25     635 1045.77  634.45 1097.07  630.29 1161.97  626.76
 1184.84   626.5 1228.72     625 1278.17  623.87 1394.37  628.73 1448.14  625.29
  2062.5   594.5    2200     572  2312.5     572  2417.5   585.9  2487.5   594.5
 2986.62   601.5 3186.27   604.5 3448.52   604.5 3452.46  604.55 3718.66  603.37
 3785.21   604.2 3848.94  604.14  4089.2  600.89 4117.96   598.7 4169.28  599.11
 4329.45  610.38 4489.62  626.65 4689.83  690.73    4850     702

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  2062.5     .15  2487.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2062.5  2487.5            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
```

```
  E.G. Elev (ft)            760.47    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.43    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       238649.10   76533.10   345198.10
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            238649.10   76533.10   345198.10
  Q Total (cfs)           943766.90    Flow (cfs)              300817.10   132086.30   510863.40
  Top Width (ft)           4850.00    Top Width (ft)           2062.50     425.00    2362.50
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.26       1.73       1.48
  Max Chl Dpth (ft)         188.43    Hydr. Depth (ft)          115.71     180.08     146.12
  Conv. Total (cfs)       171862300.0    Conv. (cfs)            54779550.0   24053240.0   93029500.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2139.58     428.27    2432.74
  Min Ch El (ft)            572.00    Shear (lb/sq ft)            0.21       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.26       0.58       0.40
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6228.16    1553.50    6884.87
  C & E Loss (ft)                     Cum SA (acres)             50.04       8.51      46.92


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6076.01*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  697.73   87.95  695.12  232.89  686.65  407.55  680.63  436.66  674.86
  439.76  674.71  747.59   668.2  879.51  655.26  879.51  645.11  902.43  644.62
  931.54  634.77 1033.43  634.77 1047.98  634.21 1099.39  630.06 1164.43  626.56
 1187.34   626.3 1231.32  624.77 1280.87  623.63 1397.31  628.33  1451.2   624.9
 2066.86  594.42 2203.79  571.98 2316.48  571.98  2420.8  585.84 2490.34  594.42
 2987.58  601.52 3186.48  604.57 3447.74  604.57 3451.67  604.62 3716.86  603.32
 3783.16  604.14 3846.65  604.05    4086  600.75 4114.66  598.59 4165.78   599.1
 4325.35  610.54 4484.92   626.9 4684.37  690.44 4843.94  701.88

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2066.86     .15 2490.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2066.86 2490.34            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.46    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.43    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       239636.20   76283.83   343914.10
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            239636.20   76283.83   343914.10
  Q Total (cfs)           943766.50    Flow (cfs)              302674.40   131779.00   509313.10
  Top Width (ft)           4843.94    Top Width (ft)           2066.86     423.48    2353.60
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.26       1.73       1.48
  Max Chl Dpth (ft)         188.45    Hydr. Depth (ft)          115.94     180.14     146.12
  Conv. Total (cfs)       171735600.0    Conv. (cfs)            55077140.0   23979600.0   92678840.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2144.27     426.75    2423.87
  Min Ch El (ft)            571.98    Shear (lb/sq ft)            0.21       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.27       0.58       0.40
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6145.98    1527.25    6766.46
  C & E Loss (ft)                     Cum SA (acres)             49.33       8.36      46.11


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6061.03*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  697.45   88.14  694.89  233.38  686.42  408.41  680.34  437.58  674.64
  440.68  674.48  749.16  668.07  881.37  655.02  881.37  644.72  904.33  644.24
   933.5  634.55 1035.61  634.55 1050.19  633.98 1101.71  629.83 1166.88  626.36
 1189.85  626.09 1233.91  624.55 1283.57  623.38 1400.26  627.93 1454.26  624.52
 2071.21  594.33 2207.58  571.97 2320.45  571.97 2424.09  585.78 2493.18  594.33
 2988.54  601.55 3186.68  604.64 3446.96  604.64 3450.88  604.68 3715.07  603.27
 3781.11  604.08 3844.36  603.96 4082.81  600.61 4111.35  598.47 4162.29  599.08
 4321.25  610.69 4480.21  627.15 4678.92  690.15 4837.88  701.76

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2071.21     .15 2493.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2071.21 2493.18            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.46    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.43    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       240626.40   76034.72   342633.60
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            240626.40   76034.72   342633.60
  Q Total (cfs)           943766.10    Flow (cfs)              304537.30   131468.70   507760.10
  Top Width (ft)           4837.88    Top Width (ft)           2071.21     421.97    2344.70
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.27       1.73       1.48
  Max Chl Dpth (ft)         188.46    Hydr. Depth (ft)          116.18     180.19     146.13
  Conv. Total (cfs)       171611900.0    Conv. (cfs)            55376240.0   23905900.0   92329710.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2148.96     425.23    2415.01
  Min Ch El (ft)            571.97    Shear (lb/sq ft)            0.21       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.27       0.58       0.40
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6063.45    1501.07    6648.49
  C & E Loss (ft)                     Cum SA (acres)             48.62       8.21      45.31


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6046.04*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  697.18   88.32  694.66  233.87  686.19  409.27  680.05   438.5  674.41
  441.61  674.25  750.74  667.95  883.22  654.79  883.22  644.33  906.23  643.86
  935.47  634.32 1037.78  634.32  1052.4  633.74 1104.03   629.6 1169.33  626.16
 1192.35  625.89 1236.51  624.32 1286.27  623.14  1403.2  627.53 1457.31  624.14
 2075.57  594.25 2211.36  571.95 2324.43  571.95 2427.39  585.71 2496.02  594.25
  2989.5  601.57 3186.89   604.7 3446.18   604.7 3450.08  604.75 3713.27  603.22
 3779.07  604.01 3842.07  603.87 4079.61  600.47 4108.05  598.35 4158.79  599.07
 4317.15  610.85 4475.51   627.4 4673.46  689.86 4831.82  701.64

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2075.57     .15 2496.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2075.57 2496.02            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.46    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.43    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       241615.20   75786.11   341354.30
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            241615.20   75786.11   341354.30
  Q Total (cfs)           943765.80    Flow (cfs)             306399.10   131159.90   506206.80
  Top Width (ft)           4831.82    Top Width (ft)           2075.57     420.45    2335.80
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.27       1.73       1.48
  Max Chl Dpth (ft)         188.48    Hydr. Depth (ft)          116.41     180.25     146.14
  Conv. Total (cfs)       171488400.0    Conv. (cfs)           55674720.0   23832610.0   91981060.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2153.67     423.71    2406.14
  Min Ch El (ft)            571.95    Shear (lb/sq ft)            0.21       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.27       0.59       0.40
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5980.59    1474.98    6530.96
  C & E Loss (ft)                     Cum SA (acres)             47.91       8.07      44.50


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6031.06*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  696.91   88.51  694.43  234.36  685.96  410.13  679.76  439.42  674.18
  442.54  674.03  752.31  667.82  885.07  654.55  885.07  643.95  908.14  643.48
  937.43  634.09 1039.96  634.09 1054.61  633.51 1106.34  629.37 1171.79  625.96
 1194.85  625.68  1239.1  624.09 1288.97   622.9 1406.15  627.13 1460.37  623.75
 2079.92  594.17 2215.15  571.94 2328.41  571.94 2430.68  585.65 2498.86  594.17
 2990.46  601.59  3187.1  604.77  3445.4  604.77 3449.29  604.82 3711.47  603.17
 3777.02  603.95 3839.79  603.78 4076.42  600.34 4104.75  598.24  4155.3  599.06
 4313.05  611.01 4470.81  627.66    4668  689.56 4825.76  701.52

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2079.92     .15 2498.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2079.92 2498.86            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.46    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.43    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       242608.90   75535.77   340068.80
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            242608.90   75535.77   340068.80
  Q Total (cfs)           943765.40    Flow (cfs)             308280.10   130845.30   504640.00
  Top Width (ft)           4825.76    Top Width (ft)           2079.92     418.94    2326.90
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.27       1.73       1.48
  Max Chl Dpth (ft)         188.49    Hydr. Depth (ft)          116.64     180.30     146.15
  Conv. Total (cfs)       171363700.0    Conv. (cfs)           55975790.0   23758150.0   91629740.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2158.35     422.20    2397.28
  Min Ch El (ft)            571.94    Shear (lb/sq ft)            0.21       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.27       0.59       0.40
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5897.38    1448.98    6413.86
  C & E Loss (ft)                     Cum SA (acres)             47.19       7.93      43.70


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6016.07*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  696.64   88.69  694.19  234.85  685.73  410.98  679.47  440.34  673.96
  443.46   673.8  753.89  667.69  886.93  654.32  886.93  643.56  910.04  643.11
  939.39  633.86 1042.14  633.86 1056.82  633.27 1108.66  629.13 1174.24  625.76
 1197.35  625.48  1241.7  623.86 1291.67  622.65 1409.09  626.73 1463.43  623.37
 2084.28  594.08 2218.94  571.92 2332.39  571.92 2433.98  585.59  2501.7  594.08
 2991.42  601.61 3187.31  604.84 3444.62  604.84 3448.49  604.89 3709.67  603.12
 3774.97  603.89  3837.5  603.69 4073.23   600.2 4101.45  598.12  4151.8  599.04
 4308.95  611.16 4466.11  627.91 4662.55  689.27  4819.7  701.39

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
```

```
       0     .15 2084.28     .15  2501.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2084.28  2501.7            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.46    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.43    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       243608.80   75286.80   338790.90
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            243608.80   75286.80   338790.90
  Q Total (cfs)           943765.10    Flow (cfs)              310164.10   130531.50   503069.40
  Top Width (ft)           4819.70    Top Width (ft)           2084.28     417.42    2318.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.27       1.73       1.48
  Max Chl Dpth (ft)         188.51    Hydr. Depth (ft)          116.88     180.36     146.16
  Conv. Total (cfs)       171245100.0    Conv. (cfs)            56278910.0   23684790.0   91281350.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2163.07     420.68    2388.43
  Min Ch El (ft)            571.92    Shear (lb/sq ft)            0.21       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.27       0.59       0.40
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5813.83    1423.07    6297.21
  C & E Loss (ft)                     Cum SA (acres)             46.48       7.78      42.90


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6001.09*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  696.36   88.88  693.96  235.34  685.51  411.84  679.18  441.26  673.73
  444.39  673.58  755.46  667.57  888.78  654.08  888.78  643.17  911.94  642.73
  941.36  633.64 1044.32  633.64 1059.03  633.03 1110.98   628.9  1176.7  625.56
 1199.85  625.27 1244.29  623.64 1294.37  622.41 1412.04  626.34 1466.49  622.99
 2088.64     594 2222.73  571.91 2336.36  571.91 2437.27  585.53 2504.55     594
 2992.38  601.64 3187.52  604.91 3443.84  604.91  3447.7  604.95 3707.87  603.07
 3772.92  603.82 3835.21  603.61 4070.03  600.06 4098.14     598 4148.31  599.03
 4304.85  611.32  4461.4  628.16 4657.09  688.98 4813.64  701.27

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2088.64     .15 2504.55     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2088.64 2504.55            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.46    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.43    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       244599.10   75036.00   337502.00
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            244599.10   75036.00   337502.00
  Q Total (cfs)           943764.70    Flow (cfs)              312048.60   130216.90   501499.20
  Top Width (ft)           4813.64    Top Width (ft)           2088.64     415.91    2309.09
  Vel Total (ft/s)            1.44    Avg. Vel. (ft/s)            1.28       1.74       1.49
  Max Chl Dpth (ft)         188.52    Hydr. Depth (ft)          117.11     180.41     146.16
  Conv. Total (cfs)       171117300.0    Conv. (cfs)            56578620.0   23610090.0   90928570.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2167.78     419.16    2379.56
  Min Ch El (ft)            571.91    Shear (lb/sq ft)            0.21       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.27       0.59       0.40
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5729.94    1397.24    6181.01
  C & E Loss (ft)                     Cum SA (acres)             45.76       7.64      42.11


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5986.10*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  696.09   89.06  693.73  235.83  685.28   412.7  678.89  442.18  673.51
  445.32  673.35  757.04  667.44  890.63  653.85  890.63  642.79  913.84  642.35
  943.32  633.41  1046.5  633.41 1061.24   632.8 1113.29  628.67 1179.15  625.36
 1202.36  625.07 1246.89  623.41 1297.07  622.16 1414.98  625.94 1469.55   622.6
 2092.99  593.92 2226.51  571.89 2340.34  571.89 2440.57  585.47 2507.39  593.92
 2993.34  601.66 3187.72  604.98 3443.06  604.98  3446.9  605.02 3706.08  603.02
 3770.87  603.76 3832.92  603.52 4066.84  599.92 4094.84  597.89 4144.81  599.02
 4300.75  611.48  4456.7  628.41 4651.63  688.69 4807.58  701.15

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2092.99     .15 2507.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2092.99 2507.39            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.46    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.42    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       245600.20   74787.62   336217.50
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            245600.20   74787.62   336217.50
  Q Total (cfs)           943764.30    Flow (cfs)              313947.90   129902.60   499913.80
  Top Width (ft)           4807.58    Top Width (ft)           2092.99     414.40    2300.19
  Vel Total (ft/s)            1.44    Avg. Vel. (ft/s)            1.28       1.74       1.49
  Max Chl Dpth (ft)         188.53    Hydr. Depth (ft)          117.34     180.47     146.17
  Conv. Total (cfs)       170997000.0    Conv. (cfs)            56883010.0   23536560.0   90577460.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2172.47     417.65    2370.70
  Min Ch El (ft)            571.89    Shear (lb/sq ft)            0.21       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.27       0.59       0.40
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  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5645.71    1371.49    6065.24
  C & E Loss (ft)                     Cum SA (acres)             45.04       7.50      41.31


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5971.12*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  695.82   89.25  693.49  236.32  685.05  413.56   678.6   443.1  673.28
  446.24  673.12  758.62  667.32  892.49  653.61  892.49   642.4  915.74  641.97
  945.28  633.18 1048.67  633.18 1063.44  632.56 1115.61  628.44  1181.6  625.16
 1204.86  624.86 1249.48  623.18 1299.77  621.92 1417.93  625.54 1472.61  622.22
 2097.35  593.83  2230.3  571.88 2344.32  571.88 2443.86   585.4 2510.23  593.83
  2994.3  601.68 3187.93  605.05 3442.28  605.05 3446.11  605.09 3704.28  602.96
 3768.82  603.69 3830.63  603.43 4063.64  599.78 4091.54  597.77 4141.31     599
 4296.66  611.64    4452  628.66 4646.17   688.4 4801.52  701.03

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2097.35     .15 2510.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2097.35 2510.23            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.46    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.42    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       246604.00   74536.61   334938.90
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            246604.00   74536.61   334938.90
  Q Total (cfs)           943764.00    Flow (cfs)             315850.30   129581.40   498332.30
  Top Width (ft)           4801.52    Top Width (ft)           2097.35     412.88    2291.29
  Vel Total (ft/s)            1.44    Avg. Vel. (ft/s)            1.28       1.74       1.49
  Max Chl Dpth (ft)         188.54    Hydr. Depth (ft)         117.58     180.53     146.18
  Conv. Total (cfs)       170879600.0    Conv. (cfs)           57188430.0   23462240.0   90228930.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2177.18     416.13    2361.84
  Min Ch El (ft)            571.88    Shear (lb/sq ft)           0.22       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)     0.28       0.59       0.40
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    5561.14    1345.83    5949.91
  C & E Loss (ft)                     Cum SA (acres)             44.32       7.35      40.53


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5956.13*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  695.55   89.43  693.26  236.81  684.82  414.42  678.31  444.02  673.05
  447.17   672.9  760.19  667.19  894.34  653.38  894.34  642.02  917.65  641.59
  947.25  632.95 1050.85  632.95 1065.65  632.33 1117.93  628.21 1184.06  624.96
 1207.36  624.66 1252.08  622.95 1302.46  621.67 1420.87  625.14 1475.66  621.84
  2101.7  593.75 2234.09  571.86  2348.3  571.86 2447.16  585.34 2513.07  593.75
 2995.26   601.7 3188.14  605.11  3441.5  605.11 3445.31  605.16 3702.48  602.91
 3766.77  603.63 3828.34  603.34 4060.45  599.65 4088.24  597.65 4137.82  598.99
 4292.56  611.79 4447.29  628.92 4640.72   688.1 4795.46  700.91

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  2101.7     .15 2513.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2101.7 2513.07            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.46    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.42    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       247604.40   74287.88   333658.30
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            247604.40   74287.88   333658.30
  Q Total (cfs)           943763.60    Flow (cfs)             317752.50   129263.80   496747.30
  Top Width (ft)           4795.46    Top Width (ft)           2101.70     411.37    2282.39
  Vel Total (ft/s)            1.44    Avg. Vel. (ft/s)            1.28       1.74       1.49
  Max Chl Dpth (ft)         188.56    Hydr. Depth (ft)         117.81     180.59     146.19
  Conv. Total (cfs)       170761000.0    Conv. (cfs)           57492930.0   23388510.0   89879570.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2181.88     414.62    2352.99
  Min Ch El (ft)            571.86    Shear (lb/sq ft)           0.22       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)     0.28       0.59       0.40
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    5476.22    1320.26    5835.03
  C & E Loss (ft)                     Cum SA (acres)             43.60       7.21      39.74


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5941.15*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  695.27   89.62  693.03   237.3  684.59  415.28  678.02  444.94  672.83
   448.1  672.67  761.77  667.06   896.2  653.14   896.2  641.63  919.55  641.21
  949.21  632.73 1053.03  632.73 1067.86  632.09 1120.24  627.98 1186.51  624.75
 1209.86  624.45 1254.67  622.73 1305.16  621.43 1423.82  624.74 1478.72  621.46
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 2106.06  593.67 2237.88  571.85 2352.27  571.85 2450.45  585.28 2515.91  593.67
 2996.22  601.73 3188.35  605.18 3440.72  605.18 3444.52  605.22 3700.68  602.86
 3764.72  603.57 3826.05  603.25 4057.26  599.51 4084.93  597.54 4134.32  598.98
 4288.46  611.95 4442.59  629.17 4635.26  687.81 4789.39  700.79

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2106.06     .15 2515.91     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2106.06 2515.91            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.45    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.42    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       248609.70   74034.72   332371.00
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            248609.70   74034.72   332371.00
  Q Total (cfs)           943763.30    Flow (cfs)              319672.70   128938.00   495152.60
  Top Width (ft)           4789.39    Top Width (ft)           2106.06     409.85    2273.48
  Vel Total (ft/s)            1.44    Avg. Vel. (ft/s)            1.29       1.74       1.49
  Max Chl Dpth (ft)         188.57    Hydr. Depth (ft)          118.04     180.64     146.19
  Conv. Total (cfs)       170639500.0    Conv. (cfs)            57799240.0   23312960.0   89527330.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2186.59     413.09    2344.12
  Min Ch El (ft)            571.85    Shear (lb/sq ft)            0.22       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.28       0.60       0.40
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5390.95    1294.77    5720.58
  C & E Loss (ft)                     Cum SA (acres)             42.88       7.07      38.96


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5926.16*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     695    89.8   692.8  237.79  684.36  416.14  677.73  445.86   672.6
  449.02  672.44  763.34  666.94  898.05  652.91  898.05  641.24  921.45  640.83
  951.17   632.5 1055.21   632.5 1070.07  631.86 1122.56  627.74 1188.97  624.55
 1212.37  624.25 1257.27   622.5 1307.86  621.19 1426.76  624.35 1481.78  621.07
 2110.42  593.58 2241.67  571.83 2356.25  571.83 2453.75  585.22 2518.75  593.58
 2997.18  601.75 3188.56  605.25 3439.94  605.25 3443.72  605.29 3698.89  602.81
 3762.68   603.5 3823.76  603.16 4054.06  599.37 4081.63  597.42 4130.83  598.96
 4284.36  612.11 4437.89  629.42  4629.8  687.52 4783.33  700.67

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2110.42     .15 2518.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2110.42 2518.75            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.45    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.42    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       249621.30   73785.00   331091.30
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            249621.30   73785.00   331091.30
  Q Total (cfs)           943762.90    Flow (cfs)              321595.80   128616.00   493551.10
  Top Width (ft)           4783.33    Top Width (ft)           2110.42     408.33    2264.58
  Vel Total (ft/s)            1.44    Avg. Vel. (ft/s)            1.29       1.74       1.49
  Max Chl Dpth (ft)         188.59    Hydr. Depth (ft)          118.28     180.70     146.20
  Conv. Total (cfs)       170525500.0    Conv. (cfs)            58108110.0   23239200.0   89178150.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2191.32     411.57    2335.27
  Min Ch El (ft)            571.83    Shear (lb/sq ft)            0.22       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.28       0.60       0.40
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5305.34    1269.37    5606.58
  C & E Loss (ft)                     Cum SA (acres)             42.15       6.93      38.18


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5911.18*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  694.73   89.99  692.56  238.28  684.13     417  677.45  446.78  672.38
  449.95  672.22  764.92  666.81   899.9  652.68   899.9  640.86  923.35  640.45
  953.14  632.27 1057.39  632.27 1072.28  631.62 1124.88  627.51 1191.42  624.35
 1214.87  624.05 1259.86  622.27 1310.56  620.94 1429.71  623.95 1484.84  620.69
 2114.77   593.5 2245.45  571.82 2360.23  571.82 2457.05  585.15 2521.59   593.5
 2998.14  601.77 3188.76  605.32 3439.16  605.32 3442.93  605.36 3697.09  602.76
 3760.63  603.44 3821.48  603.07 4050.87  599.23 4078.33   597.3 4127.33  598.95
 4280.26  612.27 4433.19  629.67 4624.35  687.23 4777.27  700.55

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2114.77     .15 2521.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2114.77 2521.59            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.45    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.42    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       250628.90   73534.53   329807.70
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            250628.90   73534.53   329807.70
  Q Total (cfs)           943762.60    Flow (cfs)              323522.80   128291.90   491947.80
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  Top Width (ft)           4777.27    Top Width (ft)           2114.77     406.82    2255.68
  Vel Total (ft/s)            1.44    Avg. Vel. (ft/s)            1.29       1.74       1.49
  Max Chl Dpth (ft)         188.60    Hydr. Depth (ft)          118.51     180.75     146.21
  Conv. Total (cfs)       170407900.0    Conv. (cfs)            58416010.0   23164680.0   88827210.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2196.02     410.06    2326.42
  Min Ch El (ft)            571.82    Shear (lb/sq ft)            0.22       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.28       0.60       0.40
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5219.38    1244.06    5493.01
  C & E Loss (ft)                     Cum SA (acres)             41.43       6.79      37.40


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5896.19*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  694.45   90.18  692.33  238.78   683.9  417.86  677.16   447.7  672.15
  450.88  671.99  766.49  666.68  901.76  652.44  901.76  640.47  925.25  640.08
   955.1  632.05 1059.56  632.05 1074.49  631.39  1127.2  627.28 1193.88  624.15
 1217.37  623.84 1262.46  622.05 1313.26   620.7 1432.65  623.55  1487.9  620.31
 2119.13  593.42 2249.24   571.8  2364.2   571.8 2460.34  585.09 2524.43  593.42
  2999.1   601.8 3188.97  605.39 3438.38  605.39 3442.13  605.43 3695.29  602.71
 3758.58  603.38 3819.19  602.98 4047.67  599.09 4075.03  597.19 4123.83  598.94
 4276.16  612.42 4428.48  629.93 4618.89  686.94 4771.21  700.42

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2119.13     .15 2524.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2119.13 2524.43            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.45    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.42    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       251639.80   73283.31   328520.30
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            251639.80   73283.31   328520.30
  Q Total (cfs)           943762.20    Flow (cfs)             325460.40   127967.40   490334.30
  Top Width (ft)           4771.21    Top Width (ft)           2119.13     405.30    2246.78
  Vel Total (ft/s)            1.44    Avg. Vel. (ft/s)            1.29       1.75       1.49
  Max Chl Dpth (ft)         188.62    Hydr. Depth (ft)          118.75     180.81     146.22
  Conv. Total (cfs)       170289400.0    Conv. (cfs)            58725040.0   23090030.0   88474370.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2200.74     408.54    2317.58
  Min Ch El (ft)            571.80    Shear (lb/sq ft)            0.22       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.28       0.60       0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5133.07    1218.83    5379.89
  C & E Loss (ft)                     Cum SA (acres)             40.70       6.65      36.63


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5881.21*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  694.18   90.36   692.1  239.27  683.67  418.72  676.87  448.62  671.92
  451.81  671.77  768.07  666.56  903.61  652.21  903.61  640.08  927.16   639.7
  957.06  631.82 1061.74  631.82  1076.7  631.15 1129.51  627.05 1196.33  623.95
 1219.87  623.64 1265.05  621.82 1315.96  620.45  1435.6  623.15 1490.96  619.92
 2123.48  593.33 2253.03  571.79 2368.18  571.79 2463.64  585.03 2527.27  593.33
 3000.06  601.82 3189.18  605.45  3437.6  605.45 3441.34  605.49 3693.49  602.66
 3756.53  603.31  3816.9  602.89 4044.48  598.96 4071.72  597.07 4120.34  598.92
 4272.06  612.58 4423.78  630.18 4613.43  686.64 4765.15   700.3

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2123.48     .15 2527.27     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2123.48 2527.27            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.45    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.42    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       252655.60   73032.49   327244.80
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            252655.60   73032.49   327244.80
  Q Total (cfs)           943761.80    Flow (cfs)             327398.20   127636.90   488726.70
  Top Width (ft)           4765.15    Top Width (ft)           2123.48     403.79    2237.88
  Vel Total (ft/s)            1.45    Avg. Vel. (ft/s)            1.30       1.75       1.49
  Max Chl Dpth (ft)         188.63    Hydr. Depth (ft)          118.98     180.87     146.23
  Conv. Total (cfs)       170178800.0    Conv. (cfs)            59036320.0   23015440.0   88127030.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2205.46     407.02    2308.74
  Min Ch El (ft)            571.79    Shear (lb/sq ft)            0.22       0.34       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.29       0.60       0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5046.42    1193.69    5267.21
  C & E Loss (ft)                     Cum SA (acres)             39.97       6.51      35.86


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5866.22*

INPUT
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Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  693.91   90.55  691.87  239.76  683.44  419.57  676.58  449.54   671.7
  452.73  671.54  769.64  666.43  905.46  651.97  905.46   639.7  929.06  639.32
  959.03  631.59 1063.92  631.59 1078.91  630.91 1131.83  626.82 1198.78  623.75
 1222.38  623.43 1267.65  621.59 1318.66  620.21 1438.54  622.75 1494.02  619.54
 2127.84  593.25 2256.82  571.77 2372.16  571.77 2466.93  584.97 2530.11  593.25
 3001.02  601.84 3189.39  605.52 3436.82  605.52 3440.54  605.56 3691.69  602.61
 3754.48  603.25 3814.61  602.81 4041.28  598.82 4068.42  596.95 4116.84  598.91
 4267.96  612.74 4419.08  630.43 4607.97  686.35 4759.09  700.18

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2127.84     .15 2530.11     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2127.84 2530.11            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.45    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.42    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       253672.20   72780.92   325958.70
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            253672.20   72780.92   325958.70
  Q Total (cfs)           943761.50    Flow (cfs)             329351.10   127307.90   487102.60
  Top Width (ft)           4759.09    Top Width (ft)          2127.84     402.27    2228.98
  Vel Total (ft/s)            1.45    Avg. Vel. (ft/s)           1.30       1.75       1.49
  Max Chl Dpth (ft)         188.65    Hydr. Depth (ft)         119.22     180.93     146.24
  Conv. Total (cfs)       170063800.0    Conv. (cfs)           59348350.0   22940600.0   87774830.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2210.17     405.50    2299.89
  Min Ch El (ft)            571.77    Shear (lb/sq ft)           0.22       0.35       0.27
  Alpha                       1.03    Stream Power (lb/ft s)     0.29       0.60       0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    4959.42    1168.63    5154.97
  C & E Loss (ft)                     Cum SA (acres)            39.24       6.37      35.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5851.24*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  693.64   90.73  691.63  240.25  683.21  420.43  676.29  450.46  671.47
  453.66  671.31  771.22  666.31  907.32  651.74  907.32  639.31  930.96  638.94
  960.99  631.36  1066.1  631.36 1081.11  630.68 1134.15  626.59 1201.24  623.55
 1224.88  623.23 1270.24  621.36 1321.36  619.96 1441.48  622.36 1497.07  619.16
  2132.2  593.17 2260.61  571.76 2376.14  571.76 2470.23  584.91 2532.95  593.17
 3001.98  601.86  3189.6  605.59 3436.04  605.59 3439.75  605.63  3689.9  602.56
 3752.43  603.18 3812.32  602.72 4038.09  598.68 4065.12  596.84 4113.35  598.89
 4263.86  612.89 4414.38  630.68 4602.52  686.06 4753.03  700.06

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  2132.2     .15 2532.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2132.2 2532.95            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.45    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.42    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       254688.20   72526.98   324676.70
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            254688.20   72526.98   324676.70
  Q Total (cfs)           943761.10    Flow (cfs)             331303.60   126971.90   485485.60
  Top Width (ft)           4753.03    Top Width (ft)          2132.20     400.75    2220.08
  Vel Total (ft/s)            1.45    Avg. Vel. (ft/s)           1.30       1.75       1.50
  Max Chl Dpth (ft)         188.66    Hydr. Depth (ft)         119.45     180.98     146.25
  Conv. Total (cfs)       169949000.0    Conv. (cfs)           59659930.0   22864630.0   87424440.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2214.90     403.98    2291.05
  Min Ch El (ft)            571.76    Shear (lb/sq ft)           0.22       0.35       0.27
  Alpha                       1.03    Stream Power (lb/ft s)     0.29       0.61       0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    4872.06    1143.67    5043.17
  C & E Loss (ft)                     Cum SA (acres)            38.51       6.24      34.32


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5836.25*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  693.36   90.92   691.4  240.74  682.99  421.29     676  451.38  671.25
  454.59  671.09   772.8  666.18  909.17   651.5  909.17  638.93  932.86  638.56
  962.95  631.14 1068.28  631.14 1083.32  630.44 1136.46  626.35 1203.69  623.35
 1227.38  623.02 1272.84  621.14 1324.06  619.72 1444.43  621.96 1500.13  618.77
 2136.55  593.08 2264.39  571.74 2380.11  571.74 2473.52  584.84  2535.8  593.08
 3002.94  601.89  3189.8  605.66 3435.26  605.66 3438.95   605.7  3688.1   602.5
 3750.38  603.12 3810.03  602.63  4034.9  598.54 4061.82  596.72 4109.85  598.88
 4259.76  613.05 4409.67  630.93 4597.06  685.77 4746.97  699.94

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2136.55     .15  2535.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2136.55  2535.8            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
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  E.G. Elev (ft)            760.45    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.42    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       255709.80   72280.35   323390.30
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            255709.80   72280.35   323390.30
  Q Total (cfs)           943760.80    Flow (cfs)             333266.60   126649.60   483844.60
  Top Width (ft)           4746.97    Top Width (ft)           2136.55     399.25    2211.17
  Vel Total (ft/s)            1.45    Avg. Vel. (ft/s)            1.30       1.75       1.50
  Max Chl Dpth (ft)         188.68    Hydr. Depth (ft)          119.68     181.04     146.25
  Conv. Total (cfs)       169838400.0    Conv. (cfs)            59974380.0   22791760.0   87072280.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2219.61     402.48    2282.20
  Min Ch El (ft)            571.74    Shear (lb/sq ft)            0.22       0.35       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.29       0.61       0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4784.36    1118.78    4931.81
  C & E Loss (ft)                     Cum SA (acres)             37.78       6.10      33.56


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5821.27*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  693.09    91.1  691.17  241.23  682.76  422.15  675.71   452.3  671.02
  455.51  670.86  774.37  666.05  911.02  651.27  911.02  638.54  934.76  638.18
  964.92  630.91 1070.45  630.91 1085.53  630.21 1138.78  626.12 1206.15  623.15
 1229.88  622.82 1275.43  620.91 1326.76  619.48 1447.37  621.56 1503.19  618.39
 2140.91     593 2268.18  571.73 2384.09  571.73 2476.82  584.78 2538.64     593
 3003.91  601.91 3190.01  605.73 3434.48  605.73 3438.16  605.76  3686.3  602.45
 3748.34  603.06 3807.74  602.54  4031.7   598.4 4058.52   596.6 4106.36  598.87
 4255.66  613.21 4404.97  631.19  4591.6  685.48 4740.91  699.82

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2140.91     .15 2538.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2140.91 2538.64            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.45    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.41    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       256731.00   72026.07   322104.50
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            256731.00   72026.07   322104.50
  Q Total (cfs)           943760.40    Flow (cfs)             335237.10   126311.40   482212.00
  Top Width (ft)           4740.91    Top Width (ft)           2140.91     397.73    2202.27
  Vel Total (ft/s)            1.45    Avg. Vel. (ft/s)            1.31       1.75       1.50
  Max Chl Dpth (ft)         188.68    Hydr. Depth (ft)          119.92     181.09     146.26
  Conv. Total (cfs)       169724200.0    Conv. (cfs)            60288440.0   22715610.0   86720140.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2224.34     400.95    2273.36
  Min Ch El (ft)            571.73    Shear (lb/sq ft)            0.22       0.35       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.29       0.61       0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4696.31    1093.99    4820.90
  C & E Loss (ft)                     Cum SA (acres)             37.04       5.96      32.80


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5806.29*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  692.82    91.29  690.94  241.72  682.53  423.01  675.42  453.22   670.8
  456.44  670.63  775.95  665.93  912.88  651.03  912.88  638.15  936.66   637.8
  966.88  630.68 1072.63  630.68 1087.74  629.97  1141.1  625.89  1208.6  622.95
 1232.39  622.61 1278.03  620.68 1329.46  619.23 1450.32  621.16 1506.25  618.01
 2145.26  592.92 2271.97  571.71 2388.07  571.71 2480.11  584.72 2541.48  592.92
 3004.87  601.93 3190.22   605.8  3433.7   605.8 3437.36  605.83  3684.5   602.4
 3746.29  602.99 3805.45  602.45 4028.51  598.27 4055.21  596.49 4102.86  598.85
 4251.56  613.37 4400.27  631.44 4586.15  685.19 4734.85   699.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2145.26     .15 2541.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2145.26 2541.48            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.45    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.41    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       257752.30   71775.58   320819.30
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            257752.30   71775.58   320819.30
  Q Total (cfs)           943760.10    Flow (cfs)             337209.00   125979.40   480571.80
  Top Width (ft)           4734.85    Top Width (ft)           2145.26     396.22    2193.37
  Vel Total (ft/s)            1.45    Avg. Vel. (ft/s)            1.31       1.76       1.50
  Max Chl Dpth (ft)         188.70    Hydr. Depth (ft)          120.15     181.15     146.27
  Conv. Total (cfs)       169612300.0    Conv. (cfs)            60603100.0   22640970.0   86368210.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2229.05     399.44    2264.52
  Min Ch El (ft)            571.71    Shear (lb/sq ft)            0.22       0.35       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.29       0.61       0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4607.90    1069.28    4710.42
  C & E Loss (ft)                     Cum SA (acres)             36.30       5.82      32.05


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5791.30*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  692.55   91.47  690.7  242.21   682.3  423.87  675.13  454.15  670.57
  457.37  670.41  777.52  665.8  914.73   650.8  914.73  637.77  938.57  637.42
  968.84  630.45 1074.81 630.45 1089.95  629.74 1143.42  625.66 1211.05  622.75
 1234.89  622.41 1280.63 620.45 1332.16  618.99 1453.26  620.76 1509.31  617.62
 2149.62  592.83 2275.76  571.7 2392.05   571.7 2483.41  584.66 2544.32  592.83
 3005.83  601.95 3190.43 605.86 3432.92  605.86 3436.57   605.9  3682.7  602.35
 3744.24  602.93 3803.17 602.36 4025.31  598.13 4051.91  596.37 4099.36  598.84
 4247.46  613.52 4395.56 631.69 4580.69  684.89 4728.79  699.58

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2149.62     .15 2544.32     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2149.62 2544.32            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.45    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.41    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       258783.80   71521.91   319541.90
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            258783.80   71521.91   319541.90
  Q Total (cfs)           943759.70    Flow (cfs)              339192.80   125636.20   478930.60
  Top Width (ft)           4728.79    Top Width (ft)           2149.62     394.70    2184.47
  Vel Total (ft/s)            1.45    Avg. Vel. (ft/s)            1.31       1.76       1.50
  Max Chl Dpth (ft)         188.71    Hydr. Depth (ft)          120.39     181.21     146.28
  Conv. Total (cfs)       169506800.0    Conv. (cfs)            60921740.0   22565260.0   86019750.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2233.78     397.92    2255.68
  Min Ch El (ft)            571.70    Shear (lb/sq ft)            0.22       0.35       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.29       0.61       0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4519.14    1044.65    4600.39
  C & E Loss (ft)                     Cum SA (acres)             35.57       5.69      31.30


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5776.32*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  692.27   91.66  690.47   242.7  682.07  424.73  674.84  455.07  670.34
  458.29  670.18   779.1  665.68  916.59  650.56  916.59  637.38  940.47  637.05
  970.81  630.23 1076.99 630.23 1092.16   629.5 1145.73  625.43 1213.51  622.55
 1237.39   622.2 1283.22 620.23 1334.86  618.74 1456.21  620.37 1512.37  617.24
 2153.98  592.75 2279.55 571.68 2396.02  571.68  2486.7   584.6 2547.16  592.75
 3006.79  601.98 3190.64 605.93 3432.14  605.93 3435.77  605.97 3680.91   602.3
 3742.19  602.87 3800.88 602.27 4022.12  597.99 4048.61  596.25 4095.87  598.83
 4243.37  613.68 4390.86 631.94 4575.23   684.6 4722.73  699.45

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2153.98     .15 2547.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2153.98 2547.16            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.45    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.41    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       259808.70   71269.30   318254.20
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            259808.70   71269.30   318254.20
  Q Total (cfs)           943759.40    Flow (cfs)              341179.40   125299.80   477280.20
  Top Width (ft)           4722.73    Top Width (ft)           2153.98     393.18    2175.57
  Vel Total (ft/s)            1.45    Avg. Vel. (ft/s)            1.31       1.76       1.50
  Max Chl Dpth (ft)         188.73    Hydr. Depth (ft)          120.62     181.26     146.29
  Conv. Total (cfs)       169394000.0    Conv. (cfs)            61237820.0   22489880.0   85666340.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2238.52     396.40    2246.86
  Min Ch El (ft)            571.68    Shear (lb/sq ft)            0.22       0.35       0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.30       0.61       0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4430.03    1020.12    4490.79
  C & E Loss (ft)                     Cum SA (acres)             34.83       5.55      30.55


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5761.33*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     692   91.84  690.24  243.19  681.84  425.59  674.55  455.99  670.12
  459.22  669.96  780.67  665.55  918.44  650.33  918.44  636.99  942.37  636.67
  972.77     630 1079.17     630 1094.37  629.26 1148.05   625.2 1215.96  622.35
 1239.89     622 1285.82     620 1337.56   618.5 1459.15  619.97 1515.43  616.86
 2158.33  592.67 2283.33  571.67    2400  571.67    2490  584.53    2550  592.67
 3007.75     602 3190.84     606 3431.36     606 3434.98  606.03 3679.11  602.25
 3740.14   602.8 3798.59 602.18 4018.93  597.85 4045.31  596.14 4092.37  598.81
 4239.27  613.84 4386.16  632.2 4569.77  684.31 4716.67  699.33

Manning's n Values        num=       3
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     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2158.33     .15    2550     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2158.33    2550            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.44    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.41    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       260835.00   71017.02   316968.80
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            260835.00   71017.02   316968.80
  Q Total (cfs)           943759.00    Flow (cfs)             343169.90   124960.70   475628.40
  Top Width (ft)           4716.67    Top Width (ft)          2158.33     391.67    2166.67
  Vel Total (ft/s)            1.45    Avg. Vel. (ft/s)           1.32       1.76       1.50
  Max Chl Dpth (ft)         188.74    Hydr. Depth (ft)         120.85     181.32     146.29
  Conv. Total (cfs)       169283600.0    Conv. (cfs)            61554920.0   22414400.0   85314220.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2243.24     394.89    2238.03
  Min Ch El (ft)            571.67    Shear (lb/sq ft)           0.23       0.35       0.27
  Alpha                       1.03    Stream Power (lb/ft s)     0.30       0.61       0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    4340.57     995.67    4381.64
  C & E Loss (ft)                     Cum SA (acres)            34.09       5.42      29.80


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5746.35*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  691.73   92.03     690  243.68  681.61  426.45  674.26  456.91  669.89
  460.15  669.73  782.25  665.42  920.29  650.09  920.29  636.61  944.27  636.29
  974.73  629.77 1081.34  629.77 1096.57  629.03 1150.37  624.96 1218.42  622.15
  1242.4   621.8 1288.41  619.77 1340.26  618.25  1462.1  619.57 1518.48  616.47
 2162.69  592.58 2287.12  571.65 2403.98  571.65  2493.3  584.47 2552.84  592.58
 3008.71  602.02 3191.05  606.07 3430.58  606.07 3434.18   606.1 3677.31   602.2
 3738.09  602.74  3796.3   602.1 4015.73  597.71    4042  596.02 4088.88   598.8
 4235.17     614 4381.46  632.45 4564.32  684.02 4710.61  699.21

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2162.69     .15 2552.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2162.69 2552.84            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.44    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.41    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       261876.50   70765.14   315684.00
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            261876.50   70765.14   315684.00
  Q Total (cfs)           943758.70    Flow (cfs)             345183.60   124619.30   473955.70
  Top Width (ft)           4710.61    Top Width (ft)          2162.69     390.15    2157.77
  Vel Total (ft/s)            1.46    Avg. Vel. (ft/s)           1.32       1.76       1.50
  Max Chl Dpth (ft)         188.76    Hydr. Depth (ft)         121.09     181.38     146.30
  Conv. Total (cfs)       169180100.0    Conv. (cfs)            61878310.0   22339510.0   84962260.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2247.97     393.36    2229.20
  Min Ch El (ft)            571.65    Shear (lb/sq ft)           0.23       0.35       0.28
  Alpha                       1.03    Stream Power (lb/ft s)     0.30       0.62       0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    4250.75     971.31    4272.93
  C & E Loss (ft)                     Cum SA (acres)            33.34       5.28      29.06


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5731.36*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  691.45   92.21  689.77  244.17  681.38   427.3  673.98  457.83  669.67
  461.07   669.5  783.82   665.3  922.15  649.86  922.15  636.22  946.17  635.91
   976.7  629.55 1083.52  629.55 1098.78  628.79 1152.68  624.73 1220.87  621.95
  1244.9  621.59 1291.01  619.55 1342.96  618.01 1465.04  619.17 1521.54  616.09
 2167.04   592.5 2290.91  571.64 2407.95  571.64 2496.59  584.41 2555.68   592.5
 3009.67  602.05 3191.26  606.14  3429.8  606.14 3433.39  606.17 3675.51  602.15
 3736.04  602.68 3794.01  602.01 4012.54  597.58  4038.7   595.9 4085.38  598.79
 4231.07  614.15 4376.75   632.7 4558.86  683.73 4704.55  699.09

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2167.04     .15 2555.68     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2167.04 2555.68            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.44    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.41    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       262904.30   70511.49   314394.50
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            262904.30   70511.49   314394.50
  Q Total (cfs)           943758.30    Flow (cfs)             347187.50   124276.90   472293.90
  Top Width (ft)           4704.55    Top Width (ft)          2167.04     388.64    2148.87
  Vel Total (ft/s)            1.46    Avg. Vel. (ft/s)           1.32       1.76       1.50
  Max Chl Dpth (ft)         188.77    Hydr. Depth (ft)         121.32     181.43     146.31
  Conv. Total (cfs)       169067600.0    Conv. (cfs)            62196180.0   22263330.0   84608110.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2252.71     391.85    2220.37
  Min Ch El (ft)            571.64    Shear (lb/sq ft)           0.23       0.35       0.28
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  Alpha                        1.03    Stream Power (lb/ft s)      0.30       0.62       0.41
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)     4160.58     947.03    4164.66
  C & E Loss (ft)                      Cum SA (acres)             32.60       5.15      28.32


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5716.38*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  691.18    92.4  689.54  244.66  681.15  428.16  673.69  458.75  669.44
     462  669.28   785.4  665.17     924  649.62     924  635.84  948.08  635.53
  978.66  629.32  1085.7  629.32 1100.99  628.56    1155   624.5 1223.32  621.75
  1247.4  621.39  1293.6  619.32 1345.66  617.76 1467.99  618.77  1524.6  615.71
  2171.4  592.42  2294.7  571.62 2411.93  571.62 2499.89  584.35 2558.52  592.42
 3010.63  602.07 3191.47   606.2 3429.02   606.2 3432.59  606.24 3673.71   602.1
    3734  602.61 3791.72  601.92 4009.34  597.44  4035.4  595.79 4081.89  598.77
 4226.97  614.31 4372.05  632.95  4553.4  683.43 4698.49  698.97

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  2171.4     .15 2558.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2171.4 2558.52            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.44    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.41    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       263939.70   70258.41   313114.60
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            263939.70   70258.41   313114.60
  Q Total (cfs)           943757.90    Flow (cfs)             349196.30   123930.90   470630.60
  Top Width (ft)           4698.49    Top Width (ft)          2171.40     387.12    2139.97
  Vel Total (ft/s)            1.46    Avg. Vel. (ft/s)           1.32       1.76       1.50
  Max Chl Dpth (ft)         188.79    Hydr. Depth (ft)         121.55     181.49     146.32
  Conv. Total (cfs)       168963600.0    Conv. (cfs)          62517590.0   22187690.0   84258300.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2257.43     390.33    2211.54
  Min Ch El (ft)            571.62    Shear (lb/sq ft)           0.23       0.35       0.28
  Alpha                       1.03    Stream Power (lb/ft s)     0.30       0.62       0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    4070.05     922.84    4056.84
  C & E Loss (ft)                     Cum SA (acres)            31.85       5.02      27.58


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5701.39*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  690.91   92.59  689.31  245.16  680.92  429.02   673.4  459.67  669.21
  462.93  669.05  786.98  665.05  925.85  649.39  925.85  635.45  949.98  635.15
  980.62  629.09 1087.88  629.09  1103.2  628.32 1157.32  624.27 1225.78  621.55
  1249.9  621.18  1296.2  619.09 1348.36  617.52 1470.93  618.37 1527.66  615.33
 2175.76  592.33 2298.48  571.61 2415.91  571.61 2503.18  584.28 2561.36  592.33
 3011.59  602.09 3191.68  606.27 3428.24  606.27  3431.8   606.3 3671.92  602.04
 3731.95  602.55 3789.43  601.83 4006.15   597.3  4032.1  595.67 4078.39  598.76
 4222.87  614.47 4367.35   633.2 4547.95  683.14 4692.42  698.85

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2175.76     .15 2561.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2175.76 2561.36           14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.44    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.41    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       264978.50   70004.46   311832.50
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            264978.50   70004.46   311832.50
  Q Total (cfs)           943757.60    Flow (cfs)             351214.20   123583.10   468960.30
  Top Width (ft)           4692.42    Top Width (ft)          2175.76     385.60    2131.06
  Vel Total (ft/s)            1.46    Avg. Vel. (ft/s)           1.33       1.77       1.50
  Max Chl Dpth (ft)         188.80    Hydr. Depth (ft)         121.79     181.55     146.33
  Conv. Total (cfs)       168859700.0    Conv. (cfs)          62840210.0   22111830.0   83907670.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2262.18     388.81    2202.71
  Min Ch El (ft)            571.61    Shear (lb/sq ft)           0.23       0.35       0.28
  Alpha                       1.03    Stream Power (lb/ft s)     0.30       0.62       0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    3979.16     898.74    3949.45
  C & E Loss (ft)                     Cum SA (acres)            31.11       4.88      26.85


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5686.41*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  690.64   92.77  689.07  245.65  680.69  429.88  673.11  460.59  668.99
  463.85  668.82  788.55  664.92  927.71  649.15  927.71  635.06  951.88  634.77
  982.59  628.86 1090.06  628.86 1105.41  628.09 1159.63  624.04 1228.23  621.34
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 1252.41  620.98 1298.79  618.86 1351.06  617.28 1473.88  617.98 1530.72  614.94
 2180.11  592.25 2302.27  571.59 2419.89  571.59 2506.48  584.22  2564.2  592.25
 3012.55  602.11 3191.89  606.34 3427.46  606.34    3431  606.37 3670.12  601.99
  3729.9  602.48 3787.14  601.74 4002.96  597.16 4028.79  595.55 4074.89  598.75
 4218.77  614.62 4362.65  633.46 4542.49  682.85 4686.36  698.73

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2180.11     .15  2564.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2180.11  2564.2            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.44    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.41    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       266021.30   69752.71   310546.30
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            266021.30   69752.71   310546.30
  Q Total (cfs)           943757.30    Flow (cfs)             353245.30   123237.60   467274.40
  Top Width (ft)           4686.36    Top Width (ft)          2180.11     384.09    2122.16
  Vel Total (ft/s)            1.46    Avg. Vel. (ft/s)           1.33       1.77       1.50
  Max Chl Dpth (ft)         188.82    Hydr. Depth (ft)         122.02     181.61     146.34
  Conv. Total (cfs)       168756400.0    Conv. (cfs)           63164970.0   22036530.0   83554900.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2266.90     387.30    2193.88
  Min Ch El (ft)            571.59    Shear (lb/sq ft)           0.23       0.35       0.28
  Alpha                       1.03    Stream Power (lb/ft s)     0.30       0.62       0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    3887.92     874.72    3842.51
  C & E Loss (ft)                     Cum SA (acres)            30.36       4.75      26.12


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5671.42*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  690.36   92.96  688.84  246.14  680.47  430.74  672.82  461.51  668.76
  464.78   668.6  790.13  664.79  929.56  648.92  929.56  634.68  953.78  634.39
  984.55  628.64 1092.23  628.64 1107.62  627.85 1161.95   623.8 1230.69  621.14
 1254.91  620.77 1301.39  618.64 1353.76  617.03 1476.82  617.58 1533.78  614.56
 2184.47  592.17 2306.06  571.58 2423.86  571.58 2509.77  584.16 2567.05  592.17
 3013.51  602.14 3192.09  606.41 3426.68  606.41 3430.21  606.44 3668.32  601.94
 3727.85  602.42 3784.86  601.65 3999.76  597.02 4025.49  595.44  4071.4  598.73
 4214.67  614.78 4357.94  633.71 4537.03  682.56  4680.3  698.61

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2184.47     .15 2567.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2184.47 2567.05            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.44    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.40    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       267060.30   69498.45   309255.00
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            267060.30   69498.45   309255.00
  Q Total (cfs)           943756.90    Flow (cfs)             355280.00   122888.40   465588.40
  Top Width (ft)           4680.30    Top Width (ft)          2184.47     382.58    2113.25
  Vel Total (ft/s)            1.46    Avg. Vel. (ft/s)           1.33       1.77       1.51
  Max Chl Dpth (ft)         188.82    Hydr. Depth (ft)         122.25     181.66     146.34
  Conv. Total (cfs)       168648200.0    Conv. (cfs)           63488100.0   21960010.0   83200070.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2271.65     385.78    2185.05
  Min Ch El (ft)            571.58    Shear (lb/sq ft)           0.23       0.35       0.28
  Alpha                       1.03    Stream Power (lb/ft s)     0.31       0.62       0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    3796.32     850.80    3736.00
  C & E Loss (ft)                     Cum SA (acres)            29.61       4.62      25.39


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5656.44*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  690.09   93.14  688.61  246.63  680.24   431.6  672.53  462.43  668.54
  465.71  668.37   791.7  664.67  931.41  648.68  931.41  634.29  955.68  634.02
  986.51  628.41 1094.41  628.41 1109.83  627.62 1164.27  623.57 1233.14  620.94
 1257.41  620.57 1303.98  618.41 1356.46  616.79 1479.77  617.18 1536.83  614.18
 2188.83  592.08 2309.85  571.56 2427.84  571.56 2513.07   584.1 2569.89  592.08
 3014.47  602.16  3192.3  606.48  3425.9  606.48 3429.41   606.5 3666.52  601.89
  3725.8  602.36 3782.57  601.56 3996.57  596.89 4022.19  595.32  4067.9  598.72
 4210.57  614.94 4353.24  633.96 4531.57  682.27 4674.24  698.48

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2188.83     .15 2569.89     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2188.83 2569.89            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.44    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.40    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       268105.30   69245.45   307971.00
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            268105.30   69245.45   307971.00
```

```
  Q Total (cfs)           943756.60    Flow (cfs)              357318.80   122540.10   463897.80
  Top Width (ft)           4674.24    Top Width (ft)           2188.83     381.06    2104.35
  Vel Total (ft/s)            1.46    Avg. Vel. (ft/s)            1.33       1.77       1.51
  Max Chl Dpth (ft)         188.84    Hydr. Depth (ft)          122.49     181.72     146.35
  Conv. Total (cfs)       168546300.0    Conv. (cfs)            63813870.0   21884540.0   82847920.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2276.39     384.26    2176.25
  Min Ch El (ft)            571.56    Shear (lb/sq ft)            0.23       0.35       0.28
  Alpha                       1.03    Stream Power (lb/ft s)      0.31       0.62       0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3704.36     826.96    3629.95
  C & E Loss (ft)                     Cum SA (acres)             28.86       4.49      24.66


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5641.45*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  689.82   93.33  688.38  247.12  680.01  432.46  672.24  463.35  668.31
  466.63  668.15  793.28  664.54  933.27  648.45  933.27   633.9  957.59  633.64
  988.48  628.18 1096.59  628.18 1112.04  627.38 1166.59  623.34  1235.6  620.74
 1259.91  620.36 1306.58  618.18 1359.15  616.54 1482.71  616.78 1539.89  613.79
 2193.18     592 2313.64  571.55 2431.82  571.55 2516.36  584.04 2572.73     592
 3015.43  602.18 3192.51  606.55 3425.12  606.55 3428.62  606.57 3664.72  601.84
 3723.75  602.29 3780.28  601.47 3993.37  596.75 4018.89   595.2 4064.41  598.71
 4206.47   615.1 4348.54  634.21 4526.12  681.97 4668.18  698.36

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2193.18     .15 2572.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2193.18 2572.73            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.44    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.40    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       269152.30   68990.95   306686.30
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            269152.30   68990.95   306686.30
  Q Total (cfs)           943756.20    Flow (cfs)              359366.40   122184.70   462205.10
  Top Width (ft)           4668.18    Top Width (ft)           2193.18     379.55    2095.45
  Vel Total (ft/s)            1.46    Avg. Vel. (ft/s)            1.34       1.77       1.51
  Max Chl Dpth (ft)         188.85    Hydr. Depth (ft)          122.72     181.77     146.36
  Conv. Total (cfs)       168444400.0    Conv. (cfs)            64140760.0   21807890.0   82495720.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2281.13     382.75    2167.43
  Min Ch El (ft)            571.55    Shear (lb/sq ft)            0.23       0.35       0.28
  Alpha                       1.03    Stream Power (lb/ft s)      0.31       0.63       0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3612.04     803.20    3524.33
  C & E Loss (ft)                     Cum SA (acres)             28.10       4.36      23.94


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5626.47*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  689.55   93.51  688.14  247.61  679.78  433.32  671.95  464.27  668.08
  467.56  667.92  794.85  664.41  935.12  648.22  935.12  633.52  959.49  633.26
  990.44  627.95 1098.77  627.95 1114.24  627.14  1168.9  623.11 1238.05  620.54
 1262.42  620.16 1309.17  617.95 1361.85   616.3 1485.66  616.38 1542.95  613.41
 2197.54  591.92 2317.42  571.53 2435.79  571.53 2519.66  583.97 2575.57  591.92
 3016.39   602.2 3192.72  606.61 3424.34  606.61 3427.82  606.64 3662.93  601.79
  3721.7  602.23 3777.99  601.38 3990.18  596.61 4015.58  595.09 4060.91  598.69
 4202.37  615.25 4343.83  634.47 4520.66  681.68 4662.12  698.24

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2197.54     .15 2575.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2197.54 2575.57            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.44    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.40    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       270201.40   68737.48   305402.10
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            270201.40   68737.48   305402.10
  Q Total (cfs)           943755.90    Flow (cfs)              361418.00   121832.10   460505.80
  Top Width (ft)           4662.12    Top Width (ft)           2197.54     378.03    2086.55
  Vel Total (ft/s)            1.46    Avg. Vel. (ft/s)            1.34       1.77       1.51
  Max Chl Dpth (ft)         188.87    Hydr. Depth (ft)          122.96     181.83     146.37
  Conv. Total (cfs)       168344400.0    Conv. (cfs)            64468700.0   21732050.0   82143680.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2285.87     381.23    2158.61
  Min Ch El (ft)            571.53    Shear (lb/sq ft)            0.23       0.35       0.28
  Alpha                       1.03    Stream Power (lb/ft s)      0.31       0.63       0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3519.37     779.54    3419.15
  C & E Loss (ft)                     Cum SA (acres)             27.35       4.23      23.22


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5611.48*
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INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  689.27    93.7  687.91   248.1  679.55  434.18  671.66  465.19  667.86
  468.49  667.69  796.43  664.29  936.98  647.98  936.98  633.13  961.39  632.88
   992.4  627.73 1100.95  627.73 1116.45  626.91 1171.22  622.88  1240.5  620.34
 1264.92  619.95 1311.77  617.73 1364.55  616.05  1488.6  615.99 1546.01  613.03
 2201.89  591.83 2321.21  571.52 2439.77  571.52 2522.95  583.91 2578.41  591.83
 3017.35  602.23 3192.93  606.68 3423.56  606.68 3427.03  606.71 3661.13  601.74
 3719.65  602.17  3775.7   601.3 3986.99  596.47 4012.28  594.97 4057.42  598.68
 4198.27  615.41 4339.13  634.72  4515.2  681.39 4656.06  698.12

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2201.89     .15 2578.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2201.89 2578.41            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.43    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.40    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       271249.30   68483.45   304112.20
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            271249.30   68483.45   304112.20
  Q Total (cfs)           943755.50    Flow (cfs)             363477.70   121479.00   458798.80
  Top Width (ft)           4656.06    Top Width (ft)           2201.89     376.52    2077.65
  Vel Total (ft/s)            1.47    Avg. Vel. (ft/s)            1.34       1.77       1.51
  Max Chl Dpth (ft)         188.88    Hydr. Depth (ft)          123.19     181.89     146.37
  Conv. Total (cfs)       168241100.0    Conv. (cfs)            64796320.0   21655770.0   81788990.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2290.61     379.72    2149.80
  Min Ch El (ft)            571.52    Shear (lb/sq ft)            0.23       0.35       0.28
  Alpha                       1.03    Stream Power (lb/ft s)      0.31       0.63       0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3426.33     755.96    3314.42
  C & E Loss (ft)                     Cum SA (acres)             26.59       4.10      22.51


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5596.50*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     689   93.88  687.68  248.59  679.32  435.04  671.37  466.11  667.63
  469.41  667.47  798.01  664.16  938.83  647.75  938.83  632.75  963.29   632.5
  994.37   627.5 1103.12   627.5 1118.66  626.67 1173.54  622.65 1242.96  620.14
 1267.42  619.75 1314.36   617.5 1367.25  615.81 1491.55  615.59 1549.07  612.64
 2206.25  591.75    2325   571.5 2443.75   571.5 2526.25  583.85 2581.25  591.75
 3018.31  602.25 3193.13  606.75 3422.78  606.75 3426.23  606.77 3659.33  601.69
 3717.61   602.1 3773.41  601.21 3983.79  596.33 4008.98  594.85 4053.92  598.67
 4194.17  615.57 4334.43  634.97 4509.75   681.1    4650     698

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2206.25     .15 2581.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2206.25 2581.25            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.43    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.40    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       272302.80   68228.91   302826.40
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            272302.80   68228.91   302826.40
  Q Total (cfs)           943755.20    Flow (cfs)             365544.80   121121.70   457088.60
  Top Width (ft)           4650.00    Top Width (ft)           2206.25     375.00    2068.75
  Vel Total (ft/s)            1.47    Avg. Vel. (ft/s)            1.34       1.78       1.51
  Max Chl Dpth (ft)         188.90    Hydr. Depth (ft)          123.42     181.94     146.38
  Conv. Total (cfs)       168141900.0    Conv. (cfs)            65126420.0   21579360.0   81436100.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2295.36     378.20    2140.99
  Min Ch El (ft)            571.50    Shear (lb/sq ft)            0.23       0.35       0.28
  Alpha                       1.03    Stream Power (lb/ft s)      0.31       0.63       0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3332.93     732.47    3210.13
  C & E Loss (ft)                     Cum SA (acres)             25.84       3.97      21.80


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5581.51*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  688.73    94.07  687.45  249.08  679.09  435.89  671.08  467.03  667.41
  470.34  667.24  799.58  664.04  940.68  647.51  940.68  632.36  965.19  632.12
  996.33  627.27  1105.3  627.27 1120.87  626.44 1175.85  622.41 1245.41  619.94
 1269.92  619.55 1316.96  617.27 1369.95  615.57 1494.49  615.19 1552.13  612.26
 2210.61  591.67 2328.79  571.48 2447.73  571.48 2529.55  583.79 2584.09  591.67
 3019.27  602.27 3193.34  606.82    3422  606.82 3425.44  606.84 3657.53  601.64
 3715.56  602.04 3771.12  601.12  3980.6   596.2 4005.68  594.74 4050.42  598.65
 4190.07  615.73 4329.73  635.22 4504.29  680.81 4643.94  697.88

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2210.61     .15 2584.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2210.61 2584.09            14.97   14.97   14.97             .1       .3
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CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.43    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.40    Reach Len. (ft)           14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       273355.90   67974.31   301538.40
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            273355.90   67974.31   301538.40
  Q Total (cfs)           943754.80    Flow (cfs)             367616.70   120764.60   455373.50
  Top Width (ft)           4643.94    Top Width (ft)          2210.61     373.48    2059.85
  Vel Total (ft/s)            1.47    Avg. Vel. (ft/s)           1.34       1.78       1.51
  Max Chl Dpth (ft)         188.92    Hydr. Depth (ft)         123.66     182.00     146.39
  Conv. Total (cfs)       168041600.0    Conv. (cfs)           65456500.0   21502920.0   81082170.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2300.11     376.68    2132.18
  Min Ch El (ft)            571.48    Shear (lb/sq ft)           0.23       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)     0.31       0.63       0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    3239.17     709.06    3106.28
  C & E Loss (ft)                     Cum SA (acres)            25.08       3.84      21.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5566.53*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  688.45   94.25  687.21  249.57  678.86  436.75  670.79  467.95  667.18
  471.27  667.01  801.16  663.91  942.54  647.28  942.54  631.97   967.1  631.74
  998.29  627.05 1107.48  627.05 1123.08   626.2 1178.17  622.18 1247.87  619.74
 1272.42  619.34 1319.55  617.05 1372.65  615.32 1497.44  614.79 1555.19  611.88
 2214.96  591.58 2332.58  571.47  2451.7  571.47 2532.84  583.73 2586.93  591.58
 3020.23   602.3 3193.55  606.89 3421.22  606.89 3424.64  606.91 3655.74  601.58
 3713.51  601.97 3768.83  601.03  3977.4  596.06 4002.37  594.62 4046.93  598.64
 4185.98  615.88 4325.02  635.47 4498.83  680.51 4637.88  697.76

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2214.96     .15 2586.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2214.96 2586.93            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.43    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.40    Reach Len. (ft)           14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       274414.50   67719.75   300254.60
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            274414.50   67719.75   300254.60
  Q Total (cfs)           943754.50    Flow (cfs)             369695.00   120403.70   453655.80
  Top Width (ft)           4637.88    Top Width (ft)          2214.96     371.97    2050.95
  Vel Total (ft/s)            1.47    Avg. Vel. (ft/s)           1.35       1.78       1.51
  Max Chl Dpth (ft)         188.93    Hydr. Depth (ft)         123.89     182.06     146.40
  Conv. Total (cfs)       167945200.0    Conv. (cfs)           65788830.0   21426360.0   80730020.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2304.86     375.16    2123.38
  Min Ch El (ft)            571.47    Shear (lb/sq ft)           0.23       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)     0.32       0.63       0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    3145.04     685.75    3002.87
  C & E Loss (ft)                     Cum SA (acres)            24.32       3.71      20.38


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5551.54*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  688.18   94.44  686.98  250.06  678.63  437.61  670.51  468.87  666.95
   472.2  666.79  802.73  663.78  944.39  647.04  944.39  631.59     969  631.36
 1000.26  626.82 1109.66  626.82 1125.29  625.97 1180.49  621.95 1250.32  619.54
 1274.93  619.14 1322.15  616.82 1375.35  615.08 1500.38  614.39 1558.24  611.49
 2219.32   591.5 2336.36  571.45 2455.68  571.45 2536.14  583.66 2589.77   591.5
 3021.19  602.32 3193.76  606.95 3420.44  606.95 3423.85  606.98 3653.94  601.53
 3711.46  601.91 3766.54  600.94 3974.21  595.92 3999.07   594.5 4043.43  598.63
 4181.88  616.04 4320.32  635.73 4493.38  680.22 4631.82  697.64

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2219.32     .15 2589.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2219.32 2589.77            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.43    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.40    Reach Len. (ft)           14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       275473.80   67465.52   298968.40
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            275473.80   67465.52   298968.40
  Q Total (cfs)           943754.10    Flow (cfs)             371780.20   120043.90   451930.00
  Top Width (ft)           4631.82    Top Width (ft)          2219.32     370.45    2042.05
  Vel Total (ft/s)            1.47    Avg. Vel. (ft/s)           1.35       1.78       1.51
  Max Chl Dpth (ft)         188.95    Hydr. Depth (ft)         124.13     182.12     146.41
  Conv. Total (cfs)       167849000.0    Conv. (cfs)           66122010.0   21350100.0   80376840.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2309.60     373.65    2114.57
  Min Ch El (ft)            571.45    Shear (lb/sq ft)           0.24       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)     0.32       0.63       0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    3050.55     662.52    2899.90
  C & E Loss (ft)                     Cum SA (acres)            23.55       3.59      19.68


Warning: The cross-section end points had to be extended vertically for the computed water surface.
```

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CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5536.56*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  687.91   94.62  686.75  250.55   678.4  438.47  670.22  469.79  666.73
  473.12  666.56  804.31  663.66  946.24  646.81  946.24   631.2   970.9  630.98
 1002.22  626.59 1111.84  626.59  1127.5  625.73 1182.81  621.72 1252.77  619.34
 1277.43  618.93 1324.74  616.59 1378.05  614.83 1503.33     614  1561.3  611.11
 2223.67  591.42 2340.15  571.44 2459.66  571.44 2539.43   583.6 2592.61  591.42
 3022.15  602.34 3193.97  607.02 3419.66  607.02 3423.05  607.04 3652.14  601.48
 3709.41  601.85 3764.26  600.85 3971.02  595.78 3995.77  594.39 4039.94  598.61
 4177.78   616.2 4315.62  635.98 4487.92  679.93 4625.76  697.52

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2223.67     .15 2592.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2223.67 2592.61            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.43    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.40    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       276530.10   67209.88   297681.90
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            276530.10   67209.88   297681.90
  Q Total (cfs)           943753.80    Flow (cfs)             373866.60   119679.90   450207.40
  Top Width (ft)           4625.76    Top Width (ft)          2223.67     368.94    2033.15
  Vel Total (ft/s)            1.47    Avg. Vel. (ft/s)           1.35       1.78       1.51
  Max Chl Dpth (ft)         188.96    Hydr. Depth (ft)         124.36     182.17     146.41
  Conv. Total (cfs)       167750300.0    Conv. (cfs)           66454000.0   21272850.0   80023420.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2314.36     372.13    2105.77
  Min Ch El (ft)            571.44    Shear (lb/sq ft)           0.24       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)     0.32       0.64       0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    2955.70     639.37    2797.38
  C & E Loss (ft)                     Cum SA (acres)            22.79       3.46      18.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5521.57*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  687.64   94.81  686.51  251.05  678.17  439.33  669.93  470.71   666.5
  474.05  666.34  805.88  663.53   948.1  646.57   948.1  630.81   972.8  630.61
 1004.18  626.36 1114.01  626.36 1129.71  625.49 1185.12  621.49 1255.23  619.14
 1279.93  618.73 1327.34  616.36 1380.75  614.59 1506.27   613.6 1564.36  610.73
 2228.03  591.33 2343.94  571.42 2463.64  571.42 2542.73  583.54 2595.45  591.33
 3023.11  602.36 3194.17  607.09 3418.88  607.09 3422.26  607.11 3650.34  601.43
 3707.36  601.78 3761.97  600.76 3967.82  595.64 3992.47  594.27 4036.44   598.6
 4173.68  616.35 4310.92  636.23 4482.46  679.64  4619.7  697.39

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2228.03     .15 2595.45     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2228.03 2595.45            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.43    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       277595.50   66955.38   296398.60
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            277595.50   66955.38   296398.60
  Q Total (cfs)           943753.40    Flow (cfs)             375963.70   119316.70   448473.00
  Top Width (ft)           4619.70    Top Width (ft)          2228.03     367.42    2024.25
  Vel Total (ft/s)            1.47    Avg. Vel. (ft/s)           1.35       1.78       1.51
  Max Chl Dpth (ft)         188.97    Hydr. Depth (ft)         124.59     182.23     146.42
  Conv. Total (cfs)       167657500.0    Conv. (cfs)           66789840.0   21196580.0   79671100.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2319.11     370.61    2096.98
  Min Ch El (ft)            571.42    Shear (lb/sq ft)           0.24       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)     0.32       0.64       0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    2860.49     616.32    2695.30
  C & E Loss (ft)                     Cum SA (acres)            22.03       3.33      18.28


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5506.59*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  687.36      95  686.28  251.54  677.95  440.19  669.64  471.63  666.28
  474.98  666.11  807.46  663.41  949.95  646.34  949.95  630.43   974.7  630.23
 1006.15  626.14 1116.19  626.14 1131.91  625.26 1187.44  621.26 1257.68  618.94
 1282.43  618.52 1329.93  616.14 1383.45  614.34 1509.22   613.2 1567.42  610.34
 2232.39  591.25 2347.73  571.41 2467.61  571.41 2546.02  583.48  2598.3  591.25
 3024.07  602.39 3194.38  607.16  3418.1  607.16 3421.46  607.18 3648.54  601.38
 3705.31  601.72 3759.68  600.67 3964.63  595.51 3989.17  594.15 4032.95  598.59
 4169.58  616.51 4306.21  636.48    4477  679.35 4613.64  697.27
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2232.39     .15  2598.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2232.39  2598.3            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.43    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       278658.50   66699.35   295104.30
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            278658.50   66699.35   295104.30
  Q Total (cfs)           943753.10    Flow (cfs)             378073.00   118951.10   446729.00
  Top Width (ft)           4613.64    Top Width (ft)           2232.39     365.91    2015.34
  Vel Total (ft/s)            1.47    Avg. Vel. (ft/s)            1.36       1.78       1.51
  Max Chl Dpth (ft)         188.98    Hydr. Depth (ft)          124.83     182.28     146.43
  Conv. Total (cfs)       167558200.0    Conv. (cfs)            67124800.0   21119120.0   79314300.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2323.87     369.10    2088.18
  Min Ch El (ft)            571.41    Shear (lb/sq ft)            0.24       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.32       0.64       0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2764.90     593.35    2593.66
  C & E Loss (ft)                     Cum SA (acres)             21.26       3.21      17.59


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5491.60*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  687.09   95.18  686.05  252.03  677.72  441.05  669.35  472.55  666.05
   475.9  665.88  809.03  663.28  951.81   646.1  951.81  630.04  976.61  629.85
 1008.11  625.91 1118.37  625.91 1134.12  625.02 1189.76  621.02 1260.14  618.74
 1284.94  618.32 1332.53  615.91 1386.15   614.1 1512.16   612.8 1570.48  609.96
 2236.74  591.17 2351.51  571.39 2471.59  571.39 2549.32  583.42 2601.14  591.17
 3025.03  602.41 3194.59  607.23 3417.32  607.23 3420.67  607.25 3646.75  601.33
 3703.27  601.66 3757.39  600.59 3961.43  595.37 3985.86  594.04 4029.45  598.57
 4165.48  616.67 4301.51  636.74 4471.55  679.05 4607.58  697.15

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2236.74     .15 2601.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2236.74 2601.14            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.43    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       279724.30   66445.50   293815.20
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            279724.30   66445.50   293815.20
  Q Total (cfs)           943752.80    Flow (cfs)             380183.30   118587.50   444982.10
  Top Width (ft)           4607.58    Top Width (ft)           2236.74     364.40    2006.44
  Vel Total (ft/s)            1.47    Avg. Vel. (ft/s)            1.36       1.78       1.51
  Max Chl Dpth (ft)         189.00    Hydr. Depth (ft)          125.06     182.34     146.44
  Conv. Total (cfs)       167463700.0    Conv. (cfs)            67461400.0   21042690.0   78959580.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2328.62     367.59    2079.38
  Min Ch El (ft)            571.39    Shear (lb/sq ft)            0.24       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.32       0.64       0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2668.95     570.48    2492.46
  C & E Loss (ft)                     Cum SA (acres)             20.49       3.08      16.89


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5476.62*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  686.82   95.37  685.82  252.52  677.49  441.91  669.06  473.47  665.82
  476.83  665.66  810.61  663.15  953.66  645.87  953.66  629.66  978.51  629.47
 1010.07  625.68 1120.55  625.68 1136.33  624.79 1192.07  620.79 1262.59  618.54
 1287.44  618.11 1335.12  615.68 1388.85  613.86 1515.11   612.4 1573.54  609.58
  2241.1  591.08  2355.3  571.38 2475.57  571.38 2552.61  583.35 2603.98  591.08
 3025.99  602.43  3194.8   607.3 3416.54   607.3 3419.87  607.31 3644.95  601.28
 3701.22  601.59  3755.1   600.5 3958.24  595.23 3982.56  593.92 4025.95  598.56
 4161.38  616.83 4296.81  636.99 4466.09  678.76 4601.52  697.03

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  2241.1     .15 2603.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2241.1 2603.98            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.43    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       280794.40   66188.93   292530.60
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            280794.40   66188.93   292530.60
  Q Total (cfs)           943752.40    Flow (cfs)             382299.40   118216.80   443236.10
  Top Width (ft)           4601.52    Top Width (ft)           2241.10     362.88    1997.54
  Vel Total (ft/s)            1.48    Avg. Vel. (ft/s)            1.36       1.79       1.52
  Max Chl Dpth (ft)         189.01    Hydr. Depth (ft)          125.29     182.40     146.45
  Conv. Total (cfs)       167372000.0    Conv. (cfs)            67799780.0   20965440.0   78606740.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2333.37     366.07    2070.59
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  Min Ch El (ft)            571.38    Shear (lb/sq ft)            0.24       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.33       0.64       0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2572.64     547.69    2391.71
  C & E Loss (ft)                     Cum SA (acres)             19.72       2.95      16.21


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5461.63*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  686.55   95.55  685.58  253.01  677.26  442.77  668.77  474.39   665.6
  477.76  665.43  812.19  663.03  955.51  645.63  955.51  629.27  980.41  629.09
 1012.04  625.45 1122.73  625.45 1138.54  624.55 1194.39  620.56 1265.04  618.34
 1289.94  617.91 1337.72  615.45 1391.55  613.61 1518.05  612.01  1576.6   609.2
 2245.45     591 2359.09  571.36 2479.54  571.36 2555.91  583.29 2606.82     591
 3026.95  602.45 3195.01  607.36 3415.76  607.36 3419.08  607.38 3643.15  601.23
 3699.17  601.53 3752.81  600.41 3955.05  595.09 3979.26   593.8 4022.46  598.54
 4157.28  616.98  4292.1  637.24 4460.63  678.47 4595.46  696.91

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2245.45     .15 2606.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2245.45 2606.82            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       281862.30   65934.70   291246.70
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            281862.30   65934.70   291246.70
  Q Total (cfs)           943752.10    Flow (cfs)             384414.30   117848.90   441488.90
  Top Width (ft)           4595.46    Top Width (ft)           2245.45     361.37    1988.64
  Vel Total (ft/s)            1.48    Avg. Vel. (ft/s)            1.36       1.79       1.52
  Max Chl Dpth (ft)         189.03    Hydr. Depth (ft)          125.53     182.46     146.46
  Conv. Total (cfs)       167280700.0    Conv. (cfs)            68137670.0   20888790.0   78254190.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2338.12     364.56    2061.80
  Min Ch El (ft)            571.36    Shear (lb/sq ft)            0.24       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.33       0.64       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2475.96     524.98    2291.40
  C & E Loss (ft)                     Cum SA (acres)             18.95       2.83      15.52


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5446.65*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  686.27   95.74  685.35   253.5  677.03  443.62  668.48  475.31  665.37
  478.68   665.2  813.76   662.9  957.37   645.4  957.37  628.88  982.31  628.71
    1014  625.23 1124.91  625.23 1140.75  624.32 1196.71  620.33  1267.5  618.13
 1292.44   617.7 1340.31  615.23 1394.25  613.37    1521  611.61 1579.65  608.81
 2249.81  590.92 2362.88  571.35 2483.52  571.35  2559.2  583.23 2609.66  590.92
 3027.91  602.48 3195.21  607.43 3414.98  607.43 3418.28  607.45 3641.35  601.18
 3697.12  601.47 3750.52  600.32 3951.85  594.95 3975.96  593.68 4018.96  598.53
 4153.18  617.14  4287.4  637.49 4455.18  678.18  4589.4  696.79

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2249.81     .15 2609.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2249.81 2609.66            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       282937.50   65676.24   289955.10
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            282937.50   65676.24   289955.10
  Q Total (cfs)           943751.80    Flow (cfs)             386552.10   117472.80   439726.90
  Top Width (ft)           4589.40    Top Width (ft)           2249.81     359.85    1979.74
  Vel Total (ft/s)            1.48    Avg. Vel. (ft/s)            1.37       1.79       1.52
  Max Chl Dpth (ft)         189.04    Hydr. Depth (ft)          125.76     182.51     146.46
  Conv. Total (cfs)       167186700.0    Conv. (cfs)            68478140.0   20810440.0   77898110.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2342.90     363.04    2053.02
  Min Ch El (ft)            571.35    Shear (lb/sq ft)            0.24       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.33       0.64       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2378.91     502.37    2191.53
  C & E Loss (ft)                     Cum SA (acres)             18.18       2.71      14.84


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5431.66*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     686   95.92  685.12  253.99   676.8  444.48  668.19  476.23  665.15
  479.61  664.98  815.34  662.77  959.22  645.16  959.22   628.5  984.21  628.33
```

```
 1015.96     625 1127.08     625 1142.96  624.08 1199.02   620.1 1269.95  617.93
 1294.95   617.5 1342.91     615 1396.95  613.12 1523.94  611.21 1582.71  608.43
 2254.17  590.83 2366.67  571.33  2487.5  571.33  2562.5  583.17  2612.5  590.83
 3028.87   602.5 3195.42   607.5  3414.2   607.5 3417.49  607.52 3639.55  601.12
 3695.07   601.4 3748.23  600.23 3948.66  594.82 3972.65  593.57 4015.47  598.52
 4149.08   617.3  4282.7  637.74 4449.72  677.89 4583.33  696.67

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2254.17     .15  2612.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2254.17  2612.5            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       284014.70   65420.75   288667.80
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            284014.70   65420.75   288667.80
  Q Total (cfs)           943751.40    Flow (cfs)             388689.10   117101.20   437961.00
  Top Width (ft)           4583.33    Top Width (ft)           2254.17     358.33    1970.83
  Vel Total (ft/s)            1.48    Avg. Vel. (ft/s)            1.37       1.79       1.52
  Max Chl Dpth (ft)         189.06    Hydr. Depth (ft)          126.00     182.57     146.47
  Conv. Total (cfs)       167098000.0    Conv. (cfs)            68820210.0   20733620.0   77544160.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2347.65     361.52    2044.22
  Min Ch El (ft)            571.33    Shear (lb/sq ft)            0.24       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.33       0.65       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2281.49     479.84    2092.10
  C & E Loss (ft)                     Cum SA (acres)             17.41       2.58      14.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5416.68*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  685.73   96.11  684.89  254.48  676.57  445.34   667.9  477.15  664.92
  480.54  664.75  816.91  662.65  961.07  644.93  961.07  628.11  986.12  627.95
 1017.93  624.77 1129.26  624.77 1145.17  623.85 1201.34  619.87 1272.41  617.73
 1297.45   617.3  1345.5  614.77 1399.65  612.88 1526.89  610.81 1585.77  608.05
 2258.52  590.75 2370.45  571.32 2491.48  571.32 2565.79   583.1 2615.34  590.75
 3029.83  602.52 3195.63  607.57 3413.42  607.57 3416.69  607.58 3637.76  601.07
 3693.02  601.34 3745.95  600.14 3945.46  594.68 3969.35  593.45 4011.97   598.5
 4144.98  617.46    4278     638 4444.26  677.59 4577.27  696.55

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2258.52     .15 2615.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2258.52 2615.34            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       285087.00   65164.55   287380.60
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            285087.00   65164.55   287380.60
  Q Total (cfs)           943751.10    Flow (cfs)             390824.10   116727.20   436199.90
  Top Width (ft)           4577.27    Top Width (ft)           2258.52     356.82    1961.93
  Vel Total (ft/s)            1.48    Avg. Vel. (ft/s)            1.37       1.79       1.52
  Max Chl Dpth (ft)         189.07    Hydr. Depth (ft)          126.23     182.63     146.48
  Conv. Total (cfs)       167006300.0    Conv. (cfs)            69160270.0   20656050.0   77189980.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2352.42     360.01    2035.44
  Min Ch El (ft)            571.32    Shear (lb/sq ft)            0.24       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.33       0.65       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2183.70     457.40    1993.12
  C & E Loss (ft)                     Cum SA (acres)             16.63       2.46      13.48


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5401.69*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  685.45   96.29  684.65  254.97  676.34   446.2  667.61  478.07  664.69
  481.46  664.53  818.49  662.52  962.93  644.69  962.93  627.72  988.02  627.58
 1019.89  624.55 1131.44  624.55 1147.37  623.61 1203.66  619.63 1274.86  617.53
 1299.95  617.09  1348.1  614.55 1402.35  612.63 1529.83  610.41 1588.83  607.66
 2262.88  590.67 2374.24   571.3 2495.45   571.3 2569.09  583.04 2618.18  590.67
 3030.79  602.55 3195.84  607.64 3412.64  607.64  3415.9  607.65 3635.96  601.02
 3690.97  601.27 3743.66  600.05 3942.27  594.54 3966.05  593.33 4008.48  598.49
 4140.88  617.61 4273.29  638.25  4438.8   677.3 4571.21  696.42

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2262.88     .15 2618.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2262.88 2618.18            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       286169.60   64907.86   286090.90
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  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            286169.60   64907.86   286090.90
  Q Total (cfs)           943750.80    Flow (cfs)              392978.70   116350.80   434421.30
  Top Width (ft)           4571.21    Top Width (ft)           2262.88     355.30    1953.03
  Vel Total (ft/s)            1.48    Avg. Vel. (ft/s)            1.37       1.79       1.52
  Max Chl Dpth (ft)         189.09    Hydr. Depth (ft)          126.46     182.68     146.49
  Conv. Total (cfs)       166917300.0    Conv. (cfs)             69504540.0   20578490.0   76834320.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2357.19     358.49    2026.67
  Min Ch El (ft)            571.30    Shear (lb/sq ft)            0.24       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.33       0.65       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2085.54     435.05    1894.58
  C & E Loss (ft)                     Cum SA (acres)             15.85       2.34      12.81


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5386.71*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  685.18   96.48  684.42  255.46  676.11  447.06  667.33  478.99  664.47
  482.39   664.3  820.06   662.4  964.78  644.46  964.78  627.34  989.92   627.2
 1021.85  624.32 1133.62  624.32 1149.58  623.37 1205.98   619.4 1277.31  617.33
 1302.45  616.89 1350.69  614.32 1405.05  612.39 1532.78  610.01 1591.89  607.28
 2267.23  590.58 2378.03  571.29 2499.43  571.29 2572.39  582.98 2621.02  590.58
 3031.75  602.57 3196.05   607.7 3411.85   607.7  3415.1  607.72 3634.16  600.97
 3688.92  601.21 3741.37  599.96 3939.08   594.4 3962.75  593.22 4004.98  598.48
 4136.78  617.77 4268.59   638.5 4433.35  677.01 4565.15   696.3

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2267.23     .15 2621.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2267.23 2621.02            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       287247.90   64651.48   284806.20
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            287247.90   64651.48   284806.20
  Q Total (cfs)           943750.40    Flow (cfs)              395126.00   115973.20   432651.20
  Top Width (ft)           4565.15    Top Width (ft)           2267.23     353.79    1944.13
  Vel Total (ft/s)            1.48    Avg. Vel. (ft/s)            1.38       1.79       1.52
  Max Chl Dpth (ft)         189.09    Hydr. Depth (ft)          126.70     182.74     146.50
  Conv. Total (cfs)       166829800.0    Conv. (cfs)             69847680.0   20500950.0   76481140.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2361.95     356.98    2017.89
  Min Ch El (ft)            571.29    Shear (lb/sq ft)            0.24       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.33       0.65       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1987.01     412.79    1796.48
  C & E Loss (ft)                     Cum SA (acres)             15.07       2.22      12.14


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5371.72*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  684.91   96.66  684.19  255.95  675.88  447.92  667.04  479.91  664.24
  483.32  664.07  821.64  662.27  966.63  644.23  966.63  626.95  991.82  626.82
 1023.82  624.09  1135.8  624.09 1151.79  623.14 1208.29  619.17 1279.77  617.13
 1304.96  616.68 1353.29  614.09 1407.75  612.14 1535.72  609.62 1594.95   606.9
 2271.59   590.5 2381.82  571.27 2503.41  571.27 2575.68  582.92 2623.86   590.5
 3032.71  602.59 3196.25  607.77 3411.07  607.77 3414.31  607.79 3632.36  600.92
 3686.88  601.15 3739.08  599.87 3935.88  594.26 3959.44   593.1 4001.48  598.46
 4132.69  617.93 4263.89  638.75 4427.89  676.72 4559.09  696.18

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2271.59     .15 2623.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2271.59 2623.86            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       288330.50   64394.38   283517.60
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            288330.50   64394.38   283517.60
  Q Total (cfs)           943750.10    Flow (cfs)              397285.70   115594.20   430870.20
  Top Width (ft)           4559.09    Top Width (ft)           2271.59     352.27    1935.23
  Vel Total (ft/s)            1.48    Avg. Vel. (ft/s)            1.38       1.80       1.52
  Max Chl Dpth (ft)         189.11    Hydr. Depth (ft)          126.93     182.80     146.50
  Conv. Total (cfs)       166741600.0    Conv. (cfs)             70192360.0   20423160.0   76126060.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2366.72     355.46    2009.12
  Min Ch El (ft)            571.27    Shear (lb/sq ft)            0.24       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.34       0.65       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1888.10     390.61    1698.83
  C & E Loss (ft)                     Cum SA (acres)             14.29       2.09      11.48


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5356.74*
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INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  684.64   96.85  683.96  256.44  675.66  448.78  666.75  480.83  664.02
  484.24  663.85  823.21  662.14  968.49  643.99  968.49  626.57  993.72  626.44
 1025.78  623.86 1137.97  623.86    1154   622.9 1210.61  618.94 1282.22  616.93
 1307.46  616.48 1355.88  613.86 1410.45   611.9 1538.67  609.22    1598  606.51
 2275.95  590.42 2385.61  571.26 2507.39  571.26 2578.98  582.86  2626.7  590.42
 3033.67  602.61 3196.46  607.84 3410.29  607.84 3413.51  607.85 3630.56  600.87
 3684.83  601.08 3736.79  599.79 3932.69  594.12 3956.14  592.98 3997.99  598.45
 4128.59  618.08 4259.18  639.01 4422.43  676.43 4553.03  696.06

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2275.95     .15  2626.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2275.95  2626.7            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       289415.80   64135.13   282228.00
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            289415.80   64135.13   282228.00
  Q Total (cfs)           943749.80    Flow (cfs)             399456.80   115208.90   429084.10
  Top Width (ft)           4553.03    Top Width (ft)           2275.95     350.75    1926.33
  Vel Total (ft/s)            1.48    Avg. Vel. (ft/s)            1.38       1.80       1.52
  Max Chl Dpth (ft)         189.12    Hydr. Depth (ft)          127.16     182.85     146.51
  Conv. Total (cfs)       166653600.0    Conv. (cfs)            70538740.0   20344360.0   75770540.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2371.48     353.94    2000.35
  Min Ch El (ft)            571.26    Shear (lb/sq ft)            0.24       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.34       0.65       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1788.83     368.53    1601.61
  C & E Loss (ft)                     Cum SA (acres)             13.51       1.97      10.81


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5341.76*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  684.36   97.03  683.72  256.94  675.43  449.64  666.46  481.75  663.79
  485.17  663.62  824.79  662.02  970.34  643.76  970.34  626.18  995.62  626.06
 1027.74  623.64 1140.15  623.64 1156.21  622.67 1212.93  618.71 1284.68  616.73
 1309.96  616.27 1358.48  613.64 1413.15  611.66 1541.61  608.82 1601.06  606.13
  2280.3  590.33 2389.39  571.24 2511.36  571.24 2582.27  582.79 2629.54  590.33
 3034.64  602.64 3196.67  607.91 3409.51  607.91 3412.72  607.92 3628.77  600.82
 3682.78  601.02  3734.5   599.7 3929.49  593.99 3952.84  592.87 3994.49  598.44
 4124.49  618.24 4254.48  639.26 4416.98  676.13 4546.97  695.94

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  2280.3     .15 2629.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2280.3 2629.54            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       290501.40   63880.91   280937.50
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            290501.40   63880.91   280937.50
  Q Total (cfs)           943749.40    Flow (cfs)             401625.60   114834.90   427288.90
  Top Width (ft)           4546.97    Top Width (ft)           2280.30     349.24    1917.43
  Vel Total (ft/s)            1.49    Avg. Vel. (ft/s)            1.38       1.80       1.52
  Max Chl Dpth (ft)         189.14    Hydr. Depth (ft)          127.40     182.91     146.52
  Conv. Total (cfs)       166567500.0    Conv. (cfs)            70885100.0   20267830.0   75414560.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2376.26     352.43    1991.58
  Min Ch El (ft)            571.24    Shear (lb/sq ft)            0.25       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.34       0.65       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1689.18     346.53    1504.84
  C & E Loss (ft)                     Cum SA (acres)             12.73       1.85      10.15


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5326.77*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  684.09   97.22  683.49  257.43   675.2   450.5  666.17  482.67  663.57
   486.1  663.39  826.37  661.89   972.2  643.52   972.2  625.79  997.53  625.68
 1029.71  623.41 1142.33  623.41 1158.42  622.43 1215.24  618.48 1287.13  616.53
 1312.46  616.07 1361.07  613.41 1415.84  611.41 1544.56  608.42 1604.12  605.75
 2284.66  590.25 2393.18  571.23 2515.34  571.23 2585.57  582.73 2632.39  590.25
  3035.6  602.66 3196.88  607.98 3408.73  607.98 3411.92  607.99 3626.97  600.77
 3680.73  600.96 3732.21  599.61  3926.3  593.85 3949.54  592.75    3991  598.42
 4120.39   618.4 4249.78  639.51 4411.52  675.84 4540.91  695.82

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2284.66     .15 2632.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2284.66 2632.39            14.97   14.97   14.97             .1       .3
```

```
CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.42    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)           14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       291591.30   63623.05   279646.90
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            291591.30   63623.05   279646.90
  Q Total (cfs)           943749.10    Flow (cfs)             403808.10   114449.40   425491.70
  Top Width (ft)           4540.91    Top Width (ft)          2284.66     347.73    1908.52
  Vel Total (ft/s)            1.49    Avg. Vel. (ft/s)           1.38       1.80       1.52
  Max Chl Dpth (ft)         189.15    Hydr. Depth (ft)         127.63     182.97     146.53
  Conv. Total (cfs)       166481600.0    Conv. (cfs)           71233570.0   20189380.0   75058640.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2381.03     350.92    1982.80
  Min Ch El (ft)            571.23    Shear (lb/sq ft)           0.25       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)     0.34       0.65       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    1589.16     324.62    1408.52
  C & E Loss (ft)                     Cum SA (acres)            11.95       1.73       9.49


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5311.79*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  683.82    97.4  683.26  257.92  674.97  451.35  665.88  483.59  663.34
  487.02  663.17  827.94  661.77  974.05  643.29  974.05  625.41  999.43   625.3
 1031.67  623.18 1144.51  623.18 1160.63   622.2 1217.56  618.24 1289.59  616.33
 1314.97  615.86 1363.67  613.18 1418.54  611.17  1547.5  608.02 1607.18  605.36
 2289.01  590.17 2396.97  571.21 2519.32  571.21 2588.86  582.67 2635.23  590.17
 3036.56  602.68 3197.09  608.05 3407.95  608.05 3411.13  608.06 3625.17  600.72
 3678.68  600.89 3729.92  599.52 3923.11  593.71 3946.23  592.63  3987.5  598.41
 4116.29  618.56 4245.08  639.76 4406.06  675.55 4534.85   695.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2289.01     .15 2635.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2289.01 2635.23            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.41    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)           14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       292680.40   63367.07   278357.10
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            292680.40   63367.07   278357.10
  Q Total (cfs)           943748.80    Flow (cfs)             405991.00   114067.60   423690.20
  Top Width (ft)           4534.85    Top Width (ft)          2289.01     346.22    1899.62
  Vel Total (ft/s)            1.49    Avg. Vel. (ft/s)           1.39       1.80       1.52
  Max Chl Dpth (ft)         189.17    Hydr. Depth (ft)         127.86     183.03     146.53
  Conv. Total (cfs)       166396700.0    Conv. (cfs)           71582160.0   20111790.0   74702780.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2385.79     349.41    1974.04
  Min Ch El (ft)            571.21    Shear (lb/sq ft)           0.25       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)     0.34       0.66       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    1488.76     302.80    1312.63
  C & E Loss (ft)                     Cum SA (acres)            11.16       1.61       8.84


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5296.80*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  683.55   97.59  683.02  258.41  674.74  452.21  665.59  484.51  663.11
  487.95  662.94  829.52  661.64   975.9  643.05   975.9  625.02 1001.33  624.92
 1033.63  622.95 1146.69  622.95 1162.84  621.96 1219.88  618.01 1292.04  616.13
 1317.47  615.66 1366.26  612.95 1421.24  610.92 1550.45  607.63 1610.24  604.98
 2293.37  590.08 2400.76   571.2 2523.29   571.2 2592.16  582.61 2638.07  590.08
 3037.52   602.7  3197.3  608.11 3407.17  608.11 3410.33  608.12 3623.37  600.66
 3676.63  600.83 3727.64  599.43 3919.91  593.57 3942.93  592.52    3984   598.4
 4112.19  618.71 4240.37  640.01  4400.6  675.26 4528.79  695.58

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2293.37     .15 2638.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2293.37 2638.07            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.41    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)           14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       293778.70   63107.88   277074.80
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            293778.70   63107.88   277074.80
  Q Total (cfs)           943748.40    Flow (cfs)             408182.40   113675.40   421890.70
  Top Width (ft)           4528.79    Top Width (ft)          2293.37     344.70    1890.72
  Vel Total (ft/s)            1.49    Avg. Vel. (ft/s)           1.39       1.80       1.52
  Max Chl Dpth (ft)         189.18    Hydr. Depth (ft)         128.10     183.08     146.54
  Conv. Total (cfs)       166317900.0    Conv. (cfs)           71934450.0   20033140.0   74350270.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2390.57     347.89    1965.28
  Min Ch El (ft)            571.20    Shear (lb/sq ft)           0.25       0.36       0.28
  Alpha                       1.02    Stream Power (lb/ft s)     0.34       0.66       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    1387.99     281.07    1217.19
  C & E Loss (ft)                     Cum SA (acres)            10.37       1.50       8.19
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5281.82*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  683.27   97.78  682.79   258.9  674.51  453.07   665.3  485.44  662.89
  488.88  662.72  831.09  661.51  977.76  642.82  977.76  624.63 1003.23  624.55
  1035.6  622.73 1148.86  622.73 1165.04  621.72 1222.19  617.78 1294.49  615.93
 1319.97  615.45 1368.86  612.73 1423.94  610.68 1553.39  607.23  1613.3   604.6
 2297.73     590 2404.54  571.18 2527.27  571.18 2595.45  582.55 2640.91     590
 3038.48  602.73  3197.5  608.18 3406.39  608.18 3409.54  608.19 3621.58  600.61
 3674.58  600.76 3725.35  599.34 3916.72  593.43 3939.63   592.4 3980.51  598.38
 4108.09  618.87 4235.67  640.27 4395.15  674.97 4522.73  695.45

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2297.73     .15 2640.91     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2297.73 2640.91            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.41    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)           14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       294869.90   62849.88   275782.30
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            294869.90   62849.88   275782.30
  Q Total (cfs)           943748.10    Flow (cfs)             410377.50   113289.90   420080.80
  Top Width (ft)           4522.73    Top Width (ft)           2297.73     343.18    1881.82
  Vel Total (ft/s)            1.49    Avg. Vel. (ft/s)            1.39       1.80       1.52
  Max Chl Dpth (ft)         189.20    Hydr. Depth (ft)          128.33     183.14     146.55
  Conv. Total (cfs)       166231500.0    Conv. (cfs)            72283760.0   19954850.0   73992900.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2395.36     346.37    1956.53
  Min Ch El (ft)            571.18    Shear (lb/sq ft)            0.25       0.37       0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.34       0.66       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1286.84     259.43    1122.19
  C & E Loss (ft)                     Cum SA (acres)              9.58       1.38       7.54


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5266.83*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     683   97.96  682.56  259.39  674.28  453.93  665.01  486.36  662.66
   489.8  662.49  832.67  661.39  979.61  642.58  979.61  624.25 1005.13  624.17
 1037.56   622.5 1151.04   622.5 1167.25  621.49 1224.51  617.55 1296.95  615.73
 1322.47  615.25 1371.45   612.5 1426.64  610.43 1556.34  606.83 1616.36  604.21
 2302.08  589.92 2408.33  571.17 2531.25  571.17 2598.75  582.48 2643.75  589.92
 3039.44  602.75 3197.71  608.25 3405.61  608.25 3408.74  608.26 3619.78  600.56
 3672.54   600.7 3723.06  599.25 3913.52   593.3 3936.33  592.28 3977.01  598.37
 4103.99  619.03 4230.97  640.52 4389.69  674.68 4516.67  695.33

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2302.08     .15 2643.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2302.08 2643.75            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.41    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)           14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       295967.70   62592.03   274490.80
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            295967.70   62592.03   274490.80
  Q Total (cfs)           943747.80    Flow (cfs)             412585.30   112900.40   418262.20
  Top Width (ft)           4516.67    Top Width (ft)           2302.08     341.67    1872.92
  Vel Total (ft/s)            1.49    Avg. Vel. (ft/s)            1.39       1.80       1.52
  Max Chl Dpth (ft)         189.21    Hydr. Depth (ft)          128.57     183.19     146.56
  Conv. Total (cfs)       166149100.0    Conv. (cfs)            72636630.0   19876390.0   73636060.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2400.12     344.86    1947.78
  Min Ch El (ft)            571.17    Shear (lb/sq ft)            0.25       0.37       0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.35       0.66       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1185.31     237.87    1027.64
  C & E Loss (ft)                     Cum SA (acres)              8.79       1.26       6.90


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5251.85*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  682.73   98.15  682.33  259.88  674.05  454.79  664.72  487.28  662.44
  490.73  662.26  834.24  661.26  981.46  642.35  981.46  623.86 1007.04  623.79
 1039.52  622.27 1153.22  622.27 1169.46  621.25 1226.83  617.32  1299.4  615.53
 1324.98  615.05 1374.05  612.27 1429.34  610.19 1559.28  606.43 1619.41  603.83
 2306.44  589.83 2412.12  571.15 2535.23  571.15 2602.04  582.42 2646.59  589.83
  3040.4  602.77 3197.92  608.32 3404.83  608.32 3407.95  608.33 3617.98  600.51
 3670.49  600.64 3720.77  599.16 3910.33  593.16 3933.02  592.17 3973.52  598.36
 4099.89  619.18 4226.27  640.77 4384.23  674.38 4510.61  695.21
```

```
Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2306.44     .15 2646.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2306.44 2646.59            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       297069.70   62334.39   273204.30
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            297069.70   62334.39   273204.30
  Q Total (cfs)           943747.40    Flow (cfs)             414793.10   112510.40   416443.90
  Top Width (ft)           4510.61    Top Width (ft)          2306.44     340.15    1864.02
  Vel Total (ft/s)            1.49    Avg. Vel. (ft/s)           1.40       1.80       1.52
  Max Chl Dpth (ft)         189.23    Hydr. Depth (ft)         128.80     183.26     146.57
  Conv. Total (cfs)       166070800.0    Conv. (cfs)            72990960.0   19798400.0   73281460.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2404.91     343.34    1939.03
  Min Ch El (ft)            571.15    Shear (lb/sq ft)           0.25       0.37       0.28
  Alpha                       1.02    Stream Power (lb/ft s)     0.35       0.66       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    1083.41     216.40     933.53
  C & E Loss (ft)                     Cum SA (acres)             8.00       1.14       6.25


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5236.86*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  682.45   98.33  682.09  260.37  673.82  455.65  664.43   488.2  662.21
  491.66  662.04  835.82  661.14  983.32  642.11  983.32  623.48 1008.94  623.41
 1041.48  622.05  1155.4  622.05 1171.67  621.02 1229.15  617.09 1301.86  615.33
 1327.48  614.84 1376.64  612.05 1432.04  609.95 1562.23  606.03 1622.47  603.45
 2310.79  589.75 2415.91  571.14  2539.2  571.14 2605.34  582.36 2649.43  589.75
 3041.36   602.8 3198.13  608.39 3404.05  608.39 3407.15  608.39 3616.18  600.46
 3668.44  600.57 3718.48  599.08 3907.14  593.02 3929.72  592.05 3970.02  598.34
 4095.79  619.34 4221.56  641.02 4378.78  674.09 4504.55  695.09

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2310.79     .15 2649.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2310.79 2649.43            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       298165.00   62075.52   271911.90
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            298165.00   62075.52   271911.90
  Q Total (cfs)           943747.10    Flow (cfs)             417005.60   112118.30   414623.30
  Top Width (ft)           4504.55    Top Width (ft)          2310.79     338.64    1855.12
  Vel Total (ft/s)            1.49    Avg. Vel. (ft/s)           1.40       1.81       1.52
  Max Chl Dpth (ft)         189.23    Hydr. Depth (ft)         129.03     183.31     146.57
  Conv. Total (cfs)       165986600.0    Conv. (cfs)            73343100.0   19719410.0   72924110.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2409.68     341.83    1930.28
  Min Ch El (ft)            571.14    Shear (lb/sq ft)           0.25       0.37       0.28
  Alpha                       1.02    Stream Power (lb/ft s)     0.35       0.66       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     981.13     195.03     839.86
  C & E Loss (ft)                     Cum SA (acres)             7.21       1.03       5.61


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5221.88*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  682.18   98.52  681.86  260.86  673.59  456.51  664.14  489.12  661.98
  492.59  661.81  837.39  661.01  985.17  641.88  985.17  623.09 1010.84  623.03
 1043.45  621.82 1157.58  621.82 1173.88  620.78 1231.46  616.85 1304.31  615.13
 1329.98  614.64 1379.24  611.82 1434.74   609.7 1565.17  605.64 1625.53  603.07
 2315.15  589.67  2419.7  571.12 2543.18  571.12 2608.64   582.3 2652.27  589.67
 3042.32  602.82 3198.34  608.45 3403.27  608.45 3406.36  608.46 3614.38  600.41
 3666.39  600.51 3716.19  598.99 3903.94  592.88 3926.42  591.93 3966.53  598.33
 4091.69   619.5 4216.86  641.28 4373.32   673.8 4498.49  694.97

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2315.15     .15 2652.27     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2315.15 2652.27            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       299268.80   61816.95   270622.60
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            299268.80   61816.95   270622.60
  Q Total (cfs)           943746.80    Flow (cfs)             419226.40   111724.60   412795.80
  Top Width (ft)           4498.49    Top Width (ft)          2315.15     337.12    1846.22
  Vel Total (ft/s)            1.49    Avg. Vel. (ft/s)           1.40       1.81       1.53
  Max Chl Dpth (ft)         189.25    Hydr. Depth (ft)         129.27     183.37     146.58
  Conv. Total (cfs)       165907400.0    Conv. (cfs)            73698540.0   19640800.0   72568070.0
```

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  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2414.47     340.32    1921.53
  Min Ch El (ft)            571.12    Shear (lb/sq ft)            0.25       0.37       0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.35       0.66       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      878.47     173.74     746.63
  C & E Loss (ft)                     Cum SA (acres)              6.41       0.91       4.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5206.89*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  681.91    98.7  681.63  261.35  673.36  457.37  663.86  490.04  661.76
  493.51  661.58  838.97  660.88  987.02  641.64  987.02   622.7 1012.74  622.65
 1045.41  621.59 1159.75  621.59 1176.09  620.55 1233.78  616.62 1306.76  614.93
 1332.48  614.43 1381.83  611.59 1437.44  609.46 1568.12  605.24 1628.59  602.68
 2319.51  589.58 2423.48  571.11 2547.16  571.11 2611.93  582.23 2655.11  589.58
 3043.28  602.84 3198.54  608.52 3402.49  608.52 3405.56  608.53 3612.59  600.36
 3664.34  600.45  3713.9   598.9 3900.75  592.74 3923.12  591.82 3963.03  598.32
 4087.59  619.66 4212.16  641.53 4367.86  673.51 4492.43  694.85

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2319.51     .15 2655.11     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2319.51 2655.11            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       300380.30   61557.32   269332.90
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            300380.30   61557.32   269332.90
  Q Total (cfs)           943746.40    Flow (cfs)              421461.80   111326.80   410957.70
  Top Width (ft)           4492.43    Top Width (ft)           2319.51     335.60    1837.32
  Vel Total (ft/s)            1.49    Avg. Vel. (ft/s)            1.40       1.81       1.53
  Max Chl Dpth (ft)         189.26    Hydr. Depth (ft)          129.50     183.42     146.59
  Conv. Total (cfs)       165831200.0    Conv. (cfs)            74057540.0   19561880.0   72211790.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2419.25     338.80    1912.79
  Min Ch El (ft)            571.11    Shear (lb/sq ft)            0.25       0.37       0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.35       0.66       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      775.43     152.54     653.85
  C & E Loss (ft)                     Cum SA (acres)              5.62       0.79       4.34


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5191.91*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  681.64   98.89   681.4  261.84  673.14  458.23  663.57  490.96  661.53
  494.44  661.36  840.55  660.76  988.88  641.41  988.88  622.32 1014.64  622.27
 1047.37  621.36 1161.93  621.36  1178.3  620.31  1236.1  616.39 1309.22  614.72
 1334.99  614.23 1384.43  611.36 1440.14  609.21 1571.06  604.84 1631.65   602.3
 2323.86   589.5 2427.27  571.09 2551.14  571.09 2615.23  582.17 2657.95   589.5
 3044.24  602.86 3198.75  608.59 3401.71  608.59 3404.77   608.6 3610.79  600.31
 3662.29  600.38 3711.61  598.81 3897.55  592.61 3919.81   591.7 3959.53   598.3
 4083.49  619.81 4207.45  641.78  4362.4  673.22 4486.36  694.73

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2323.86     .15 2657.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2323.86 2657.95            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       301480.60   61300.09   268042.10
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            301480.60   61300.09   268042.10
  Q Total (cfs)           943746.10    Flow (cfs)              423685.60   110934.80   409125.60
  Top Width (ft)           4486.36    Top Width (ft)           2323.86     334.09    1828.41
  Vel Total (ft/s)            1.50    Avg. Vel. (ft/s)            1.41       1.81       1.53
  Max Chl Dpth (ft)         189.28    Hydr. Depth (ft)          129.73     183.48     146.60
  Conv. Total (cfs)       165751200.0    Conv. (cfs)            74412380.0   19483610.0   71855190.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2424.02     337.29    1904.04
  Min Ch El (ft)            571.09    Shear (lb/sq ft)            0.25       0.37       0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.35       0.67       0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      672.01     131.43     561.51
  C & E Loss (ft)                     Cum SA (acres)              4.82       0.68       3.72


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5176.92*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  681.36   99.07  681.16  262.33  672.91  459.09  663.28  491.88  661.31
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  495.37  661.13  842.12  660.63  990.73  641.17  990.73  621.93 1016.55  621.89
 1049.34  621.14 1164.11  621.14 1180.51  620.07 1238.41  616.16 1311.67  614.52
 1337.49  614.02 1387.02  611.14 1442.84  608.97 1574.01  604.44 1634.71  601.92
 2328.22  589.42 2431.06  571.08 2555.11  571.08 2618.52  582.11 2660.79  589.42
  3045.2  602.89 3198.96  608.66 3400.93  608.66 3403.97  608.66 3608.99  600.26
 3660.24  600.32 3709.33  598.72 3894.36  592.47 3916.51  591.58 3956.04  598.29
  4079.4  619.97 4202.75  642.03 4356.95  672.92  4480.3  694.61

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2328.22     .15 2660.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2328.22 2660.79            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       302590.30   61038.76   266750.90
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            302590.30   61038.76   266750.90
  Q Total (cfs)           943745.80    Flow (cfs)             425928.80   110531.90   407285.10
  Top Width (ft)           4480.30    Top Width (ft)          2328.22     332.57    1819.51
  Vel Total (ft/s)            1.50    Avg. Vel. (ft/s)           1.41       1.81       1.53
  Max Chl Dpth (ft)         189.29    Hydr. Depth (ft)         129.97     183.54     146.61
  Conv. Total (cfs)       165672700.0    Conv. (cfs)           74770930.0   19403660.0   71498070.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2428.81     335.77    1895.31
  Min Ch El (ft)            571.08    Shear (lb/sq ft)           0.25       0.37       0.29
  Alpha                       1.02    Stream Power (lb/ft s)     0.36       0.67       0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     568.22     110.41     469.62
  C & E Loss (ft)                     Cum SA (acres)             4.02       0.56       3.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5161.94*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  681.09   99.26  680.93  262.83  672.68  459.94  662.99   492.8  661.08
  496.29  660.91   843.7   660.5  992.59  640.94  992.59  621.55 1018.45  621.52
  1051.3  620.91 1166.29  620.91 1182.71  619.84 1240.73  615.93 1314.13  614.32
 1339.99  613.82 1389.62  610.91 1445.54  608.72 1576.95  604.04 1637.77  601.53
 2332.57  589.33 2434.85  571.06 2559.09  571.06 2621.82  582.05 2663.64  589.33
 3046.16  602.91 3199.17  608.73 3400.15  608.73 3403.18  608.73 3607.19   600.2
  3658.2  600.25 3707.04  598.63 3891.17  592.33 3913.21  591.47 3952.54  598.28
  4075.3  620.13 4198.05  642.28 4351.49  672.63 4474.24  694.48

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2332.57     .15 2663.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2332.57 2663.64            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.40    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       303705.00   60783.67   265461.60
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            303705.00   60783.67   265461.60
  Q Total (cfs)           943745.40    Flow (cfs)             428173.40   110139.20   405432.80
  Top Width (ft)           4474.24    Top Width (ft)          2332.57     331.07    1810.60
  Vel Total (ft/s)            1.50    Avg. Vel. (ft/s)           1.41       1.81       1.53
  Max Chl Dpth (ft)         189.31    Hydr. Depth (ft)         130.20     183.60     146.62
  Conv. Total (cfs)       165600100.0    Conv. (cfs)           75132100.0   19326260.0   71141780.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)        2433.59     334.27    1886.57
  Min Ch El (ft)            571.06    Shear (lb/sq ft)           0.25       0.37       0.29
  Alpha                       1.02    Stream Power (lb/ft s)     0.36       0.67       0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     464.03      89.47     378.17
  C & E Loss (ft)                     Cum SA (acres)             3.22       0.45       2.46


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5146.95*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  680.82   99.44   680.7  263.32  672.45   460.8   662.7  493.72  660.85
  497.22  660.68  845.27  660.38  994.44   640.7  994.44  621.16 1020.35  621.14
 1053.26  620.68 1168.47  620.68 1184.92   619.6 1243.05   615.7 1316.58  614.12
 1342.49  613.61 1392.21  610.68 1448.24  608.48  1579.9  603.65 1640.82  601.15
 2336.93  589.25 2438.64  571.05 2563.07  571.05 2625.11  581.99 2666.48  589.25
 3047.12  602.93 3199.38   608.8 3399.37   608.8 3402.39   608.8 3605.39  600.15
 3656.15  600.19 3704.75  598.54 3887.97  592.19 3909.91  591.35 3949.05  598.26
  4071.2  620.29 4193.35  642.54 4346.03  672.34 4468.18  694.36

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2336.93     .15 2666.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2336.93 2666.48            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.40    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            14.97      14.97      14.97
```

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  Crit W.S. (ft)                      Flow Area (sq ft)       304816.00   60522.12   264169.50
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            304816.00   60522.12   264169.50
  Q Total (cfs)           943745.10    Flow (cfs)              430425.90   109734.50   403584.70
  Top Width (ft)           4468.18    Top Width (ft)           2336.93     329.55    1801.70
  Vel Total (ft/s)            1.50    Avg. Vel. (ft/s)            1.41       1.81       1.53
  Max Chl Dpth (ft)         189.32    Hydr. Depth (ft)          130.43     183.65     146.62
  Conv. Total (cfs)       165522100.0    Conv. (cfs)            75491770.0   19246170.0   70784120.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2438.38     332.76    1877.84
  Min Ch El (ft)            571.05    Shear (lb/sq ft)            0.25       0.37       0.29
  Alpha                       1.02    Stream Power (lb/ft s)      0.36       0.67       0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      359.47      68.63     287.16
  C & E Loss (ft)                     Cum SA (acres)              2.42       0.34       1.84


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5131.97*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  680.55   99.63  680.47  263.81  672.22  461.66  662.41  494.64  660.63
  498.15  660.45  846.85  660.25  996.29  640.47  996.29  620.77 1022.25  620.76
 1055.23  620.45 1170.64  620.45 1187.13  619.37 1245.37  615.46 1319.03  613.92
 1344.99  613.41 1394.81  610.45 1450.94  608.24 1582.84  603.25 1643.88  600.77
 2341.29  589.17 2442.42  571.03 2567.04  571.03 2628.41  581.92 2669.32  589.17
 3048.08  602.95 3199.58  608.86 3398.59  608.86 3401.59  608.87  3603.6   600.1
  3654.1  600.13 3702.46  598.45 3884.78  592.05 3906.61  591.23 3945.55  598.25
  4067.1  620.44 4188.64  642.79 4340.58  672.05 4462.12  694.24

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2341.29     .15 2669.32     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2341.29 2669.32            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.40    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       305931.40   60263.04   262881.80
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            305931.40   60263.04   262881.80
  Q Total (cfs)           943744.80    Flow (cfs)              432678.30   109333.00   401733.60
  Top Width (ft)           4462.12    Top Width (ft)           2341.29     328.03    1792.80
  Vel Total (ft/s)            1.50    Avg. Vel. (ft/s)            1.41       1.81       1.53
  Max Chl Dpth (ft)         189.34    Hydr. Depth (ft)          130.67     183.71     146.63
  Conv. Total (cfs)       165448800.0    Conv. (cfs)            75853260.0   19167270.0   70428320.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2443.18     331.24    1869.12
  Min Ch El (ft)            571.03    Shear (lb/sq ft)            0.25       0.37       0.29
  Alpha                       1.02    Stream Power (lb/ft s)      0.36       0.67       0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      254.53      47.87     196.60
  C & E Loss (ft)                     Cum SA (acres)              1.61       0.22       1.23


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5116.98*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  680.27   99.81  680.23   264.3  671.99  462.52  662.12  495.56  660.4
  499.07  660.23  848.42  660.13  998.15  640.23  998.15  620.39 1024.15  620.38
 1057.19  620.23 1172.82  620.23 1189.34  619.13 1247.68  615.23 1321.49  613.72
  1347.5   613.2  1397.4  610.23 1453.64  607.99 1585.79  602.85 1646.94  600.38
 2345.64  589.08 2446.21  571.02 2571.02  571.02  2631.7  581.86 2672.16  589.08
 3049.04  602.98 3199.79  608.93 3397.81  608.93  3400.8  608.93  3601.8  600.05
 3652.05  600.06 3700.17  598.37 3881.58  591.92  3903.3  591.12 3942.06  598.23
    4063   620.6 4183.94  643.04 4335.12  671.76 4456.06  694.12

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2345.64     .15 2672.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2345.64 2672.16            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.40    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            14.97      14.97      14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       307051.40   60003.58   261588.90
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            307051.40   60003.58   261588.90
  Q Total (cfs)           943744.40    Flow (cfs)              434947.30   108929.30   399867.80
  Top Width (ft)           4456.06    Top Width (ft)           2345.64     326.52    1783.90
  Vel Total (ft/s)            1.50    Avg. Vel. (ft/s)            1.42       1.82       1.53
  Max Chl Dpth (ft)         189.35    Hydr. Depth (ft)          130.90     183.77     146.64
  Conv. Total (cfs)       165375500.0    Conv. (cfs)            76217270.0   19088050.0   70070180.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2447.96     329.73    1860.39
  Min Ch El (ft)            571.02    Shear (lb/sq ft)            0.26       0.37       0.29
  Alpha                       1.02    Stream Power (lb/ft s)      0.36       0.67       0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      149.20      27.21     106.48
  C & E Loss (ft)                     Cum SA (acres)              0.81       0.11       0.61


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
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REACH: PALUXY RIVER       RS: 5102

INPUT
Description:
Station Elevation Data    num=      22
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     100     680     500     660     850     660    1000     640
    1000     620    1175     620    1250     615    1350     613    1400     610
    1650     600    2350     589    2450     571    2575     571    2675     589
    3050     603    3200     609    3400     609    3600     600    3650     600
    3900     591    4450     694

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2350     .15    2675     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2350    2675                 5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.40    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       308170.20   59743.63   260297.90
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            308170.20   59743.63   260297.90
  Q Total (cfs)           943744.10    Flow (cfs)             437214.90   108524.50   398004.80
  Top Width (ft)           4450.00    Top Width (ft)          2350.00     325.00    1775.00
  Vel Total (ft/s)            1.50    Avg. Vel. (ft/s)           1.42       1.82       1.53
  Max Chl Dpth (ft)         189.37    Hydr. Depth (ft)         131.14     183.83     146.65
  Conv. Total (cfs)       165302000.0    Conv. (cfs)          76580620.0   19008670.0   69712750.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        2452.76     328.21    1851.67
  Min Ch El (ft)            571.00    Shear (lb/sq ft)           0.26       0.37       0.29
  Alpha                       1.02    Stream Power (lb/ft s)     0.36       0.67       0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      43.48       6.63      16.80
  C & E Loss (ft)             0.00    Cum SA (acres)

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3838

INPUT
Description:
Station Elevation Data    num=      18
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175     680     500     660     700     660    1000     650
    1250     630    1350     630    1475     620    1950     620    2025     619
    2600     600    3000     600    3400     590    3500     568    3650     568
    3700     600    3900     710    4150     720

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3700     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3700             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.43    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       449441.00   55809.50   32414.25
  E.G. Slope (ft/ft)      0.000059    Area (sq ft)            449441.00   55809.50   32414.25
  Q Total (cfs)           1050431.00    Flow (cfs)            876145.60   135325.10   38960.33
  Top Width (ft)           4150.00    Top Width (ft)          3400.00     300.00     450.00
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)           1.95       2.42       1.20
  Max Chl Dpth (ft)         192.37    Hydr. Depth (ft)         132.19     186.03      72.03
  Conv. Total (cfs)       136311200.0    Conv. (cfs)          113694700.0   17560710.0   5055760.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        3482.79     311.75     518.82
  Min Ch El (ft)            568.00    Shear (lb/sq ft)           0.48       0.66       0.23
  Alpha                       1.04    Stream Power (lb/ft s)     0.93       1.61       0.28
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    32017.52    5005.02    5980.02
  C & E Loss (ft)                     Cum SA (acres)            231.88      27.80      92.71

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3833.02*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.97     500  659.99     650  659.96     700  659.94
     950  651.54    1000  649.87    1100  641.88    1250  629.92    1350  629.92
    1475  619.96    1950  619.96    2025  618.96    2300  609.91    2600  600.03
    3000  600.01    3200  595.03    3400  590.04 3450.19  579.02 3500.39     568
 3650.19     568 3700.39     600 3743.47  623.75 3901.43     710 3958.87  712.34
 4045.03  715.81 4131.18  719.22 4152.72   720.1

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3700.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3700.39             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.43    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.36    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       449531.70   55874.86   32546.76
  E.G. Slope (ft/ft)      0.000059    Area (sq ft)            449531.70   55874.86   32546.76
```

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  Q Total (cfs)           1050431.00    Flow (cfs)              875927.50   135406.10   39097.45
  Top Width (ft)           4152.72    Top Width (ft)           3400.00     300.39     452.33
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.95       2.42       1.20
  Max Chl Dpth (ft)         192.36    Hydr. Depth (ft)          132.22     186.01      71.95
  Conv. Total (cfs)       136391200.0    Conv. (cfs)            113733200.0   17581540.0   5076535.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.78     312.11     520.92
  Min Ch El (ft)            568.00    Shear (lb/sq ft)            0.48       0.66       0.23
  Alpha                       1.04    Stream Power (lb/ft s)      0.93       1.61       0.28
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31966.03    4998.63    5976.30
  C & E Loss (ft)                     Cum SA (acres)            231.49      27.77      92.66


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3828.03*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.94     500  659.98     650  659.92     700  659.88
     950   651.4    1000  649.73    1100  641.75    1250  629.84    1350  629.84
    1475  619.92    1950  619.92    2025  618.93    2300  609.91    2600  600.06
    3000  600.03    3200  595.05    3400  590.08 3450.39  579.05 3500.78  567.99
 3650.39  567.99 3700.78     600 3744.08  623.93 3902.85     710 3960.59  712.38
 4047.19   715.9  4133.8  719.31 4155.45  720.19

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3700.78     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3700.78             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.43    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.36    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       449622.60   55941.77   32679.42
  E.G. Slope (ft/ft)      0.000059    Area (sq ft)            449622.60   55941.77   32679.42
  Q Total (cfs)           1050430.00    Flow (cfs)              875706.60   135490.00   39233.43
  Top Width (ft)           4155.45    Top Width (ft)           3400.00     300.78     454.67
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.95       2.42       1.20
  Max Chl Dpth (ft)         192.37    Hydr. Depth (ft)          132.24     185.99      71.87
  Conv. Total (cfs)       136471700.0    Conv. (cfs)            113771700.0   17602840.0   5097202.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.77     312.48     523.05
  Min Ch El (ft)            567.99    Shear (lb/sq ft)            0.48       0.66       0.23
  Alpha                       1.04    Stream Power (lb/ft s)      0.93       1.60       0.28
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31914.53    4992.22    5972.56
  C & E Loss (ft)                     Cum SA (acres)            231.10      27.73      92.60


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3823.05*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.91     500  659.96     650  659.88     700  659.82
     950  651.27    1000   649.6    1100  641.63    1250  629.77    1350  629.77
    1475  619.88    1950  619.88    2025  618.89    2300  609.91    2600  600.09
    3000  600.04    3200  595.08    3400  590.12 3450.58  579.07 3501.17  567.99
 3650.58  567.99 3701.17     600 3744.69  624.11 3904.28     710 3962.31  712.43
 4049.36     716 4136.41  719.39 4158.17  720.29

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3701.17     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3701.17             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.36    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       449713.10   56007.12   32810.66
  E.G. Slope (ft/ft)      0.000059    Area (sq ft)            449713.10   56007.12   32810.66
  Q Total (cfs)           1050430.00    Flow (cfs)              875491.30   135571.00   39367.66
  Top Width (ft)           4158.17    Top Width (ft)           3400.00     301.17     457.00
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.95       2.42       1.20
  Max Chl Dpth (ft)         192.37    Hydr. Depth (ft)          132.27     185.97      71.80
  Conv. Total (cfs)       136551300.0    Conv. (cfs)            113810100.0   17623650.0   5117625.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.76     312.84     525.16
  Min Ch El (ft)            567.99    Shear (lb/sq ft)            0.48       0.66       0.23
  Alpha                       1.04    Stream Power (lb/ft s)      0.93       1.60       0.28
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31863.02    4985.81    5968.81
  C & E Loss (ft)                     Cum SA (acres)            230.71      27.70      92.55


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3818.07*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
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       0     680     175  679.87     500  659.95     650  659.84     700  659.76
     950  651.14    1000  649.46    1100   641.5    1250  629.69    1350  629.69
    1475  619.84    1950  619.84    2025  618.86    2300  609.91    2600  600.11
    3000  600.06    3200  595.11    3400  590.16 3450.78  579.09 3501.56  567.98
 3650.78  567.98 3701.56     600  3745.3  624.29 3905.71  710.01 3964.04  712.48
 4051.53  716.09 4139.02  719.47  4160.9  720.39

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3701.56     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3701.56             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.42    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.36    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       449807.10   56074.56   32941.76
  E.G. Slope (ft/ft)      0.000059    Area (sq ft)            449807.10   56074.56   32941.76
  Q Total (cfs)           1050430.00    Flow (cfs)             875274.20   135655.70   39500.04
  Top Width (ft)           4160.90    Top Width (ft)           3400.00     301.56     459.34
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)           1.95       2.42       1.20
  Max Chl Dpth (ft)         192.38    Hydr. Depth (ft)         132.30     185.95      71.72
  Conv. Total (cfs)       136633100.0    Conv. (cfs)           113849900.0   17645210.0   5137907.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.75     313.21     527.28
  Min Ch El (ft)            567.98    Shear (lb/sq ft)           0.48       0.66       0.23
  Alpha                       1.04    Stream Power (lb/ft s)     0.93       1.60       0.28
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31811.50    4979.39    5965.04
  C & E Loss (ft)                     Cum SA (acres)            230.32      27.67      92.50


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3813.09*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.84     500  659.94     650  659.81     700   659.7
     950  651.01    1000  649.33    1100  641.38    1250  629.61    1350  629.61
    1475  619.81    1950  619.81    2025  618.82    2300  609.91    2600  600.14
    3000  600.07    3200  595.14    3400  590.19 3450.97  579.12 3501.95  567.98
 3650.97  567.98 3701.95     600 3745.91  624.47 3907.13  710.01 3965.76  712.53
  4053.7  716.19 4141.63  719.55 4163.62  720.49

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3701.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3701.95             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.42    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.36    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       449891.50   56139.57   33071.78
  E.G. Slope (ft/ft)      0.000059    Area (sq ft)            449891.50   56139.57   33071.78
  Q Total (cfs)           1050430.00    Flow (cfs)             875059.10   135738.80   39632.14
  Top Width (ft)           4163.62    Top Width (ft)           3400.00     301.95     461.67
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)           1.95       2.42       1.20
  Max Chl Dpth (ft)         192.38    Hydr. Depth (ft)         132.32     185.92      71.64
  Conv. Total (cfs)       136709600.0    Conv. (cfs)           113885800.0   17665910.0   5157980.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.74     313.56     529.40
  Min Ch El (ft)            567.98    Shear (lb/sq ft)           0.48       0.66       0.23
  Alpha                       1.04    Stream Power (lb/ft s)     0.93       1.60       0.28
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31759.96    4972.96    5961.26
  C & E Loss (ft)                     Cum SA (acres)            229.93      27.63      92.45


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3808.11*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.81     500  659.93     650  659.77     700  659.64
     950  650.88    1000  649.19    1100  641.25    1250  629.53    1350  629.53
    1475  619.77    1950  619.77    2025  618.79    2300  609.92    2600  600.17
    3000  600.09    3200  595.16    3400  590.23 3451.17  579.14 3502.33  567.98
 3651.17  567.98 3702.33     600 3746.53  624.66 3908.56  710.01 3967.48  712.58
 4055.86  716.28 4144.25  719.63 4166.34  720.58

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3702.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3702.33             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.42    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.36    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       449978.40   56203.25   33203.87
  E.G. Slope (ft/ft)      0.000059    Area (sq ft)            449978.40   56203.25   33203.87
  Q Total (cfs)           1050430.00    Flow (cfs)             874846.30   135816.70   39767.05
  Top Width (ft)           4166.34    Top Width (ft)           3400.00     302.33     464.01
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)           1.94       2.42       1.20
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  Max Chl Dpth (ft)         192.38    Hydr. Depth (ft)          132.35     185.90      71.56
  Conv. Total (cfs)       136787200.0    Conv. (cfs)            113922600.0    17686070.0    5178472.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.73     313.92     531.53
  Min Ch El (ft)            567.98    Shear (lb/sq ft)            0.48       0.66       0.23
  Alpha                       1.04    Stream Power (lb/ft s)      0.92       1.59       0.28
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31708.42    4966.53    5957.47
  C & E Loss (ft)                     Cum SA (acres)            229.54      27.60      92.39


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3803.13*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.78     500  659.92     650  659.73     700  659.58
     950  650.75    1000  649.06    1100  641.13    1250  629.46    1350  629.46
    1475  619.73    1950  619.73    2025  618.75    2300  609.92    2600   600.2
    3000   600.1    3200  595.19    3400  590.27 3451.36  579.16 3502.72  567.97
 3651.36  567.97 3702.72     600 3747.14  624.84 3909.99  710.01 3969.21  712.63
 4058.03  716.38 4146.86  719.71 4169.07  720.68

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3702.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3702.72             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.36    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       450066.40   56270.52   33334.03
  E.G. Slope (ft/ft)      0.000059    Area (sq ft)            450066.40   56270.52   33334.03
  Q Total (cfs)           1050430.00    Flow (cfs)              874628.60   135903.50   39897.88
  Top Width (ft)           4169.07    Top Width (ft)           3400.00     302.72     466.35
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.94       2.42       1.20
  Max Chl Dpth (ft)         192.39    Hydr. Depth (ft)          132.37     185.88      71.48
  Conv. Total (cfs)       136866000.0    Conv. (cfs)            113960000.0   17707580.0   5198504.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.72     314.28     533.65
  Min Ch El (ft)            567.97    Shear (lb/sq ft)            0.48       0.66       0.23
  Alpha                       1.04    Stream Power (lb/ft s)      0.92       1.59       0.27
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31656.87    4960.08    5953.65
  C & E Loss (ft)                     Cum SA (acres)            229.15      27.56      92.34


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3798.15*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.75     500   659.9     650  659.69     700  659.52
     950  650.62    1000  648.92    1100     641    1250  629.38    1350  629.38
    1475  619.69    1950  619.69    2025  618.72    2300  609.92    2600  600.23
    3000  600.12    3200  595.22    3400  590.31 3451.56  579.19 3503.11  567.97
 3651.56  567.97 3703.11     600 3747.75  625.02 3911.41  710.01 3970.93  712.68
  4060.2  716.47 4149.47  719.79 4171.79  720.78

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3703.11     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3703.11             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.36    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       450156.60   56335.35   33463.87
  E.G. Slope (ft/ft)      0.000059    Area (sq ft)            450156.60   56335.35   33463.87
  Q Total (cfs)           1050430.00    Flow (cfs)              874419.40   135982.20   40028.32
  Top Width (ft)           4171.79    Top Width (ft)           3400.00     303.11     468.68
  Vel Total (ft/s)            1.95    Avg. Vel. (ft/s)            1.94       2.41       1.20
  Max Chl Dpth (ft)         192.39    Hydr. Depth (ft)          132.40     185.86      71.40
  Conv. Total (cfs)       136944700.0    Conv. (cfs)            113998200.0   17728020.0   5218499.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.72     314.64     535.77
  Min Ch El (ft)            567.97    Shear (lb/sq ft)            0.47       0.66       0.23
  Alpha                       1.04    Stream Power (lb/ft s)      0.92       1.59       0.27
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31605.31    4953.63    5949.83
  C & E Loss (ft)                     Cum SA (acres)            228.76      27.53      92.29


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3793.17*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.72     500  659.89     650  659.65     700  659.46
     950  650.49    1000  648.79    1100  640.88    1250   629.3    1350   629.3
    1475  619.65    1950  619.65    2025  618.68    2300  609.92    2600  600.26
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    3000  600.13    3200  595.25    3400  590.35 3451.75  579.21  3503.5  567.96
 3651.75  567.96  3703.5     600 3748.36   625.2 3912.84  710.01 3972.65  712.73
 4062.37  716.56 4152.08  719.87 4174.51  720.88

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3703.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400  3703.5             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.36    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       450246.70   56402.55   33593.75
  E.G. Slope (ft/ft)      0.000059    Area (sq ft)            450246.70   56402.55   33593.75
  Q Total (cfs)           1050430.00    Flow (cfs)              874203.90   136067.70   40158.39
  Top Width (ft)           4174.51    Top Width (ft)           3400.00     303.50     471.01
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.94       2.41       1.20
  Max Chl Dpth (ft)         192.40    Hydr. Depth (ft)          132.43     185.84      71.32
  Conv. Total (cfs)       137024400.0    Conv. (cfs)            114036400.0   17749490.0   5238503.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.71     315.01     537.89
  Min Ch El (ft)            567.96    Shear (lb/sq ft)            0.47       0.66       0.23
  Alpha                       1.04    Stream Power (lb/ft s)      0.92       1.58       0.27
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31553.73    4947.18    5945.99
  C & E Loss (ft)                     Cum SA (acres)            228.37      27.49      92.23


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3788.19*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.69     500  659.88     650  659.61     700   659.4
     950  650.36    1000  648.65    1100  640.75    1250  629.22    1350  629.22
    1475  619.61    1950  619.61    2025  618.65    2300  609.92    2600  600.29
    3000  600.15    3200  595.27    3400  590.39 3451.95  579.23 3503.89  567.96
 3651.95  567.96 3703.89     600 3748.97  625.38 3914.27  710.01 3974.37  712.78
 4064.54  716.66  4154.7  719.95 4177.24  720.97

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3703.89     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3703.89             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.36    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       450336.70   56467.84   33722.99
  E.G. Slope (ft/ft)      0.000059    Area (sq ft)            450336.70   56467.84   33722.99
  Q Total (cfs)           1050430.00    Flow (cfs)              873995.60   136148.10   40286.26
  Top Width (ft)           4177.24    Top Width (ft)           3400.00     303.89     473.35
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.94       2.41       1.19
  Max Chl Dpth (ft)         192.40    Hydr. Depth (ft)          132.45     185.82      71.24
  Conv. Total (cfs)       137103000.0    Conv. (cfs)            114074600.0   17770170.0   5258195.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.70     315.37     540.03
  Min Ch El (ft)            567.96    Shear (lb/sq ft)            0.47       0.66       0.23
  Alpha                       1.04    Stream Power (lb/ft s)      0.92       1.58       0.27
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31502.15    4940.71    5942.13
  C & E Loss (ft)                     Cum SA (acres)            227.98      27.46      92.18


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3783.21*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.65     500  659.87     650  659.57     700  659.34
     950  650.23    1000  648.52    1100  640.63    1250  629.14    1350  629.14
    1475  619.57    1950  619.57    2025  618.61    2300  609.92    2600  600.31
    3000  600.16    3200   595.3    3400  590.43 3452.14  579.26 3504.28  567.96
 3652.14  567.96 3704.28     600 3749.58  625.56 3915.69  710.01  3976.1  712.83
  4066.7  716.75 4157.31  720.04 4179.96  721.07

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3704.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3704.28             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.36    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       450432.90   56532.54   33851.09
  E.G. Slope (ft/ft)      0.000059    Area (sq ft)            450432.90   56532.54   33851.09
  Q Total (cfs)           1050430.00    Flow (cfs)              873793.80   136224.30   40411.98
  Top Width (ft)           4179.96    Top Width (ft)           3400.00     304.28     475.68
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.94       2.41       1.19
  Max Chl Dpth (ft)         192.40    Hydr. Depth (ft)          132.48     185.79      71.16
  Conv. Total (cfs)       137183700.0    Conv. (cfs)            114115400.0   17790570.0   5277711.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.69     315.73     542.15
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  Min Ch El (ft)            567.96    Shear (lb/sq ft)            0.47       0.66       0.23
  Alpha                       1.04    Stream Power (lb/ft s)      0.92       1.58       0.27
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31450.56    4934.24    5938.26
  C & E Loss (ft)                     Cum SA (acres)            227.59      27.42      92.12


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3778.23*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.62     500  659.86     650  659.53     700  659.28
     950  650.09    1000  648.38    1100  640.51    1250  629.07    1350  629.07
    1475  619.53    1950  619.53    2025  618.58    2300  609.92    2600  600.34
    3000  600.18    3200  595.33    3400  590.47 3452.33  579.28 3504.67  567.95
 3652.33  567.95 3704.67     600 3750.19  625.74 3917.12  710.02 3977.82  712.88
 4068.87  716.85 4159.92  720.12 4182.69  721.17

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3704.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3704.67             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.36    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       450518.50   56599.74   33978.28
  E.G. Slope (ft/ft)      0.000059    Area (sq ft)            450518.50   56599.74   33978.28
  Q Total (cfs)           1050430.00    Flow (cfs)              873581.90   136312.00   40536.09
  Top Width (ft)           4182.69    Top Width (ft)           3400.00     304.67     478.02
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.94       2.41       1.19
  Max Chl Dpth (ft)         192.41    Hydr. Depth (ft)          132.51     185.77      71.08
  Conv. Total (cfs)       137260700.0    Conv. (cfs)            114151800.0   17812010.0   5296890.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.68     316.10     544.29
  Min Ch El (ft)            567.95    Shear (lb/sq ft)            0.47       0.65       0.23
  Alpha                       1.04    Stream Power (lb/ft s)      0.92       1.58       0.27
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31398.96    4927.76    5934.38
  C & E Loss (ft)                     Cum SA (acres)            227.20      27.39      92.07


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3773.25*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.59     500  659.84     650  659.49     700  659.22
     950  649.96    1000  648.25    1100  640.38    1250  628.99    1350  628.99
    1475  619.49    1950  619.49    2025  618.54    2300  609.92    2600  600.37
    3000  600.19    3200  595.35    3400  590.51 3452.53   579.3 3505.06  567.95
 3652.53  567.95 3705.06     600 3750.81  625.92 3918.55  710.02 3979.54  712.93
 4071.04  716.94 4162.53   720.2 4185.41  721.26

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3705.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3705.06             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.36    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       450614.90   56665.03   34107.42
  E.G. Slope (ft/ft)      0.000058    Area (sq ft)            450614.90   56665.03   34107.42
  Q Total (cfs)           1050429.00    Flow (cfs)              873377.10   136389.10   40662.80
  Top Width (ft)           4185.41    Top Width (ft)           3400.00     305.06     480.35
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.94       2.41       1.19
  Max Chl Dpth (ft)         192.41    Hydr. Depth (ft)          132.53     185.75      71.01
  Conv. Total (cfs)       137342000.0    Conv. (cfs)            114192700.0   17832660.0   5316598.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.67     316.46     546.42
  Min Ch El (ft)            567.95    Shear (lb/sq ft)            0.47       0.65       0.23
  Alpha                       1.04    Stream Power (lb/ft s)      0.92       1.57       0.27
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31347.34    4921.27    5930.48
  C & E Loss (ft)                     Cum SA (acres)            226.82      27.35      92.02


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3768.27*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.56     500  659.83     650  659.46     700  659.16
     950  649.83    1000  648.11    1100  640.26    1250  628.91    1350  628.91
    1475  619.46    1950  619.46    2025  618.51    2300  609.92    2600   600.4
    3000  600.21    3200  595.38    3400  590.54 3452.72  579.33 3505.45  567.95
 3652.72  567.95 3705.45     600 3751.42   626.1 3919.97  710.02 3981.27  712.98
 4073.21  717.04 4165.15  720.28 4188.13  721.36
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3705.45     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3705.45             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.36    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       450695.30   56729.89   34234.15
  E.G. Slope (ft/ft)      0.000058    Area (sq ft)            450695.30   56729.89   34234.15
  Q Total (cfs)           1050429.00    Flow (cfs)            873168.90   136473.00   40787.17
  Top Width (ft)           4188.13    Top Width (ft)          3400.00     305.45     482.68
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)           1.94       2.41       1.19
  Max Chl Dpth (ft)         192.41    Hydr. Depth (ft)         132.56     185.73      70.93
  Conv. Total (cfs)       137415800.0    Conv. (cfs)           114226800.0   17853220.0   5335725.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        3482.66     316.82     548.55
  Min Ch El (ft)            567.95    Shear (lb/sq ft)           0.47       0.65       0.23
  Alpha                       1.04    Stream Power (lb/ft s)     0.91       1.57       0.27
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31295.71    4914.78    5926.56
  C & E Loss (ft)                     Cum SA (acres)            226.43      27.32      91.96


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3763.29*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.53     500  659.82     650  659.42     700  659.11
     950   649.7    1000  647.98    1100  640.13    1250  628.83    1350  628.83
    1475  619.42    1950  619.42    2025  618.47    2300  609.92    2600  600.43
    3000  600.22    3200  595.41    3400  590.58 3452.92  579.35 3505.84  567.94
 3652.92  567.94 3705.84     600 3752.03  626.28  3921.4  710.02 3982.99  713.03
 4075.38  717.13 4167.76  720.36 4190.86  721.46

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3705.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3705.84             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.36    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       450785.60   56797.13   34362.24
  E.G. Slope (ft/ft)      0.000058    Area (sq ft)            450785.60   56797.13   34362.24
  Q Total (cfs)           1050429.00    Flow (cfs)            872959.30   136557.80   40911.99
  Top Width (ft)           4190.86    Top Width (ft)          3400.00     305.84     485.02
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)           1.94       2.40       1.19
  Max Chl Dpth (ft)         192.42    Hydr. Depth (ft)         132.58     185.71      70.85
  Conv. Total (cfs)       137494900.0    Conv. (cfs)           114265200.0   17874600.0   5355137.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        3482.65     317.19     550.69
  Min Ch El (ft)            567.94    Shear (lb/sq ft)           0.47       0.65       0.23
  Alpha                       1.04    Stream Power (lb/ft s)     0.91       1.57       0.27
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31244.08    4908.27    5922.63
  C & E Loss (ft)                     Cum SA (acres)            226.04      27.28      91.90


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3758.31*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175   679.5     500  659.81     650  659.38     700  659.05
     950  649.57    1000  647.84    1100  640.01    1250  628.75    1350  628.75
    1475  619.38    1950  619.38    2025  618.44    2300  609.92    2600  600.46
    3000  600.24    3200  595.44    3400  590.62 3453.11  579.37 3506.23  567.94
 3653.11  567.94 3706.23     600 3752.64  626.46 3922.83  710.02 3984.71  713.08
 4077.54  717.23 4170.37  720.44 4193.58  721.56

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3706.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3706.23             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.42    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.35    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       450872.00   56862.24   34488.64
  E.G. Slope (ft/ft)      0.000058    Area (sq ft)            450872.00   56862.24   34488.64
  Q Total (cfs)           1050429.00    Flow (cfs)            872755.20   136639.30   41034.56
  Top Width (ft)           4193.58    Top Width (ft)          3400.00     306.23     487.35
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)           1.94       2.40       1.19
  Max Chl Dpth (ft)         192.41    Hydr. Depth (ft)         132.61     185.68      70.77
  Conv. Total (cfs)       137571200.0    Conv. (cfs)           114301800.0   17895200.0   5374160.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        3482.64     317.55     552.82
  Min Ch El (ft)            567.94    Shear (lb/sq ft)           0.47       0.65       0.23
  Alpha                       1.04    Stream Power (lb/ft s)     0.91       1.57       0.27
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31192.44    4901.76    5918.69
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  C & E Loss (ft)                      Cum SA (acres)            225.65      27.25      91.85

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3753.33*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.47     500   659.8     650  659.34     700  658.99
     950  649.44    1000  647.71    1100  639.88    1250  628.68    1350  628.68
    1475  619.34    1950  619.34    2025   618.4    2300  609.92    2600  600.49
    3000  600.25    3200  595.46    3400  590.66 3453.31   579.4 3506.61  567.93
 3653.31  567.93 3706.61     600 3753.25  626.64 3924.25  710.02 3986.44  713.13
 4079.71  717.32 4172.98  720.52  4196.3  721.65

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3706.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3706.61             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.35    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       450963.40   56927.20   34616.79
  E.G. Slope (ft/ft)      0.000058    Area (sq ft)            450963.40   56927.20   34616.79
  Q Total (cfs)           1050429.00    Flow (cfs)            872552.70  136717.60   41158.79
  Top Width (ft)           4196.30    Top Width (ft)           3400.00     306.61     489.69
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.93       2.40       1.19
  Max Chl Dpth (ft)         192.42    Hydr. Depth (ft)          132.64     185.67      70.69
  Conv. Total (cfs)       137649900.0    Conv. (cfs)            114340700.0  17915690.0  5393512.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.64     317.91     554.96
  Min Ch El (ft)            567.93    Shear (lb/sq ft)            0.47       0.65       0.23
  Alpha                       1.04    Stream Power (lb/ft s)      0.91       1.56       0.27
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31140.78    4895.25    5914.73
  C & E Loss (ft)                     Cum SA (acres)            225.26      27.21      91.79

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3748.35*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.43     500  659.78     650   659.3     700  658.93
     950  649.31    1000  647.57    1100  639.76    1250   628.6    1350   628.6
    1475   619.3    1950   619.3    2025  618.37    2300  609.92    2600  600.51
    3000  600.26    3200  595.49    3400   590.7  3453.5  579.42    3507  567.93
  3653.5  567.93    3707     600 3753.86  626.82 3925.68  710.02 3988.16  713.18
 4081.88  717.42  4175.6   720.6 4199.03  721.75

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3707     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3707             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.35    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       451060.90   56992.26   34742.87
  E.G. Slope (ft/ft)      0.000058    Area (sq ft)            451060.90   56992.26   34742.87
  Q Total (cfs)           1050429.00    Flow (cfs)            872356.40  136794.20   41278.46
  Top Width (ft)           4199.03    Top Width (ft)           3400.00     307.00     492.03
  Vel Total (ft/s)            1.94    Avg. Vel. (ft/s)            1.93       2.40       1.19
  Max Chl Dpth (ft)         192.42    Hydr. Depth (ft)          132.67     185.64      70.61
  Conv. Total (cfs)       137730700.0    Conv. (cfs)            114382000.0  17936240.0  5412370.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.63     318.27     557.11
  Min Ch El (ft)            567.93    Shear (lb/sq ft)            0.47       0.65       0.23
  Alpha                       1.04    Stream Power (lb/ft s)      0.91       1.56       0.27
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31089.12    4888.72    5910.76
  C & E Loss (ft)                     Cum SA (acres)            224.87      27.18      91.74

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3743.37*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175   679.4     500  659.77     650  659.26     700  658.87
     950  649.18    1000  647.44    1100  639.63    1250  628.52    1350  628.52
    1475  619.26    1950  619.26    2025  618.33    2300  609.92    2600  600.54
    3000  600.28    3200  595.52    3400  590.74  3453.7  579.44 3507.39  567.93
  3653.7  567.93 3707.39     600 3754.47     627 3927.11  710.02 3989.88  713.23
 4084.05  717.51 4178.21  720.68 4201.75  721.85

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
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       0     .15    3400     .15 3707.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3707.39             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.35    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       451149.80   57057.41   34869.18
  E.G. Slope (ft/ft)      0.000058    Area (sq ft)            451149.80   57057.41   34869.18
  Q Total (cfs)           1050429.00    Flow (cfs)              872155.00   136874.00   41399.94
  Top Width (ft)           4201.75    Top Width (ft)           3400.00     307.39     494.36
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.93       2.40       1.19
  Max Chl Dpth (ft)         192.42    Hydr. Depth (ft)          132.69     185.62      70.53
  Conv. Total (cfs)       137807900.0    Conv. (cfs)            114419800.0   17956790.0   5431344.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.62     318.63     559.24
  Min Ch El (ft)            567.93    Shear (lb/sq ft)            0.47       0.65       0.23
  Alpha                       1.04    Stream Power (lb/ft s)      0.91       1.56       0.27
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31037.44    4882.19    5906.77
  C & E Loss (ft)                     Cum SA (acres)            224.48      27.14      91.68


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3738.38*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.37     500  659.76     650  659.22     700  658.81
     950  649.05    1000   647.3    1100  639.51    1250  628.44    1350  628.44
    1475  619.22    1950  619.22    2025   618.3    2300  609.92    2600  600.57
    3000  600.29    3200  595.54    3400  590.78 3453.89  579.47 3507.78  567.92
 3653.89  567.92 3707.78     600 3755.09  627.18 3928.53  710.03 3991.61  713.28
 4086.21   717.6 4180.82  720.77 4204.47  721.95

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3707.78     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3707.78             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.35    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       451241.40   57123.98   34993.43
  E.G. Slope (ft/ft)      0.000058    Area (sq ft)            451241.40   57123.98   34993.43
  Q Total (cfs)           1050429.00    Flow (cfs)              871955.80   136956.70   41516.59
  Top Width (ft)           4204.47    Top Width (ft)           3400.00     307.78     496.69
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.93       2.40       1.19
  Max Chl Dpth (ft)         192.43    Hydr. Depth (ft)          132.72     185.60      70.45
  Conv. Total (cfs)       137886300.0    Conv. (cfs)            114458700.0   17977840.0   5449745.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.61     319.00     561.38
  Min Ch El (ft)            567.92    Shear (lb/sq ft)            0.47       0.65       0.23
  Alpha                       1.04    Stream Power (lb/ft s)      0.91       1.56       0.27
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30985.75    4875.65    5902.77
  C & E Loss (ft)                     Cum SA (acres)            224.09      27.11      91.62


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3733.40*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.34     500  659.75     650  659.18     700  658.75
     950  648.92    1000  647.17    1100  639.39    1250  628.37    1350  628.37
    1475  619.18    1950  619.18    2025  618.26    2300  609.92    2600   600.6
    3000  600.31    3200  595.57    3400  590.82 3454.09  579.49 3508.17  567.92
 3654.09  567.92 3708.17     600  3755.7  627.37 3929.96  710.03 3993.33  713.32
 4088.38   717.7 4183.44  720.85  4207.2  722.04

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3708.17     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3708.17             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.35    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       451326.20   57189.04   35118.17
  E.G. Slope (ft/ft)      0.000058    Area (sq ft)            451326.20   57189.04   35118.17
  Q Total (cfs)           1050429.00    Flow (cfs)              871756.40   137038.20   41634.28
  Top Width (ft)           4207.20    Top Width (ft)           3400.00     308.17     499.03
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.93       2.40       1.19
  Max Chl Dpth (ft)         192.43    Hydr. Depth (ft)          132.74     185.58      70.37
  Conv. Total (cfs)       137961200.0    Conv. (cfs)            114494800.0   17998330.0   5468163.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.60     319.37     563.54
  Min Ch El (ft)            567.92    Shear (lb/sq ft)            0.47       0.65       0.23
  Alpha                       1.04    Stream Power (lb/ft s)      0.91       1.55       0.27
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30934.05    4869.10    5898.75
  C & E Loss (ft)                     Cum SA (acres)            223.70      27.07      91.57
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3728.42*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.31     500  659.74     650  659.14     700  658.69
     950  648.78    1000  647.03    1100  639.26    1250  628.29    1350  628.29
    1475  619.14    1950  619.14    2025  618.23    2300  609.92    2600  600.63
    3000  600.32    3200   595.6    3400  590.86 3454.28  579.51 3508.56  567.91
 3654.28  567.91 3708.56     600 3756.31  627.55 3931.39  710.03 3995.05  713.37
 4090.55  717.79 4186.05  720.93 4209.92  722.14

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3708.56     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3708.56             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.35    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       451418.70   57256.13   35243.34
  E.G. Slope (ft/ft)      0.000058    Area (sq ft)            451418.70   57256.13   35243.34
  Q Total (cfs)           1050429.00    Flow (cfs)              871554.90   137121.80   41752.33
  Top Width (ft)           4209.92    Top Width (ft)           3400.00     308.56     501.36
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.93       2.39       1.18
  Max Chl Dpth (ft)         192.44    Hydr. Depth (ft)          132.77     185.56      70.30
  Conv. Total (cfs)       138040500.0    Conv. (cfs)            114534000.0   18019650.0   5486818.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.59     319.74     565.68
  Min Ch El (ft)            567.91    Shear (lb/sq ft)            0.47       0.65       0.23
  Alpha                       1.04    Stream Power (lb/ft s)      0.90       1.55       0.27
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30882.35    4862.55    5894.72
  C & E Loss (ft)                     Cum SA (acres)            223.31      27.04      91.51


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3723.44*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.28     500  659.72     650  659.11     700  658.63
     950  648.65    1000   646.9    1100  639.14    1250  628.21    1350  628.21
    1475  619.11    1950  619.11    2025  618.19    2300  609.92    2600  600.66
    3000  600.34    3200  595.63    3400  590.89 3454.47  579.54 3508.95  567.91
 3654.47  567.91 3708.95     600 3756.92  627.73 3932.81  710.03 3996.78  713.42
 4092.72  717.89 4188.66  721.01 4212.65  722.24

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3708.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3708.95             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.35    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       451502.80   57320.87   35367.19
  E.G. Slope (ft/ft)      0.000058    Area (sq ft)            451502.80   57320.87   35367.19
  Q Total (cfs)           1050429.00    Flow (cfs)              871357.30   137203.30   41868.48
  Top Width (ft)           4212.65    Top Width (ft)           3400.00     308.95     503.70
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.93       2.39       1.18
  Max Chl Dpth (ft)         192.44    Hydr. Depth (ft)          132.80     185.53      70.21
  Conv. Total (cfs)       138114900.0    Conv. (cfs)            114569800.0   18040080.0   5505047.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.59     320.10     567.83
  Min Ch El (ft)            567.91    Shear (lb/sq ft)            0.47       0.65       0.22
  Alpha                       1.05    Stream Power (lb/ft s)      0.90       1.55       0.27
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30830.63    4855.98    5890.68
  C & E Loss (ft)                     Cum SA (acres)            222.92      27.00      91.45


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3718.46*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.25     500  659.71     650  659.07     700  658.57
     950  648.52    1000  646.76    1100  639.01    1250  628.13    1350  628.13
    1475  619.07    1950  619.07    2025  618.16    2300  609.92    2600  600.68
    3000  600.35    3200  595.65    3400  590.93 3454.67  579.56 3509.34  567.91
 3654.67  567.91 3709.34     600 3757.53  627.91 3934.24  710.03  3998.5  713.47
 4094.89  717.98 4191.27  721.09 4215.37  722.33

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3709.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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          3400 3709.34             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.35    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       451598.80   57385.91   35491.68
  E.G. Slope (ft/ft)      0.000058    Area (sq ft)            451598.80   57385.91   35491.68
  Q Total (cfs)           1050428.00    Flow (cfs)             871164.30   137279.60   41984.17
  Top Width (ft)           4215.37    Top Width (ft)           3400.00     309.34     506.03
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.93       2.39       1.18
  Max Chl Dpth (ft)         192.44    Hydr. Depth (ft)          132.82     185.51      70.14
  Conv. Total (cfs)       138194500.0    Conv. (cfs)            114610500.0   18060530.0   5523445.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.58     320.46     569.98
  Min Ch El (ft)            567.91    Shear (lb/sq ft)            0.47       0.65       0.22
  Alpha                       1.05    Stream Power (lb/ft s)      0.90       1.55       0.27
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30778.90    4849.41    5886.62
  C & E Loss (ft)                     Cum SA (acres)            222.53      26.97      91.39


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3713.48*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.21     500   659.7     650  659.03     700  658.51
     950  648.39    1000  646.63    1100  638.89    1250  628.05    1350  628.05
    1475  619.03    1950  619.03    2025  618.12    2300  609.92    2600  600.71
    3000  600.37    3200  595.68    3400  590.97 3454.86  579.58 3509.73   567.9
 3654.86   567.9 3709.73     600 3758.14  628.09 3935.67  710.03 4000.22  713.52
 4097.05  718.08 4193.89  721.17 4218.09  722.43

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3709.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3709.73             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.35    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       451688.80   57452.89   35614.76
  E.G. Slope (ft/ft)      0.000058    Area (sq ft)            451688.80   57452.89   35614.76
  Q Total (cfs)           1050428.00    Flow (cfs)             870966.10   137364.00   42097.96
  Top Width (ft)           4218.09    Top Width (ft)           3400.00     309.73     508.36
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.93       2.39       1.18
  Max Chl Dpth (ft)         192.45    Hydr. Depth (ft)          132.85     185.49      70.06
  Conv. Total (cfs)       138272100.0    Conv. (cfs)            114648800.0   18081780.0   5541526.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.57     320.83     572.12
  Min Ch El (ft)            567.90    Shear (lb/sq ft)            0.47       0.65       0.22
  Alpha                       1.05    Stream Power (lb/ft s)      0.90       1.54       0.27
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30727.17    4842.84    5882.55
  C & E Loss (ft)                     Cum SA (acres)            222.14      26.93      91.34


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3708.50*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.18     500  659.69     650  658.99     700  658.45
     950  648.26    1000  646.49    1100  638.76    1250  627.98    1350  627.98
    1475  618.99    1950  618.99    2025  618.09    2300  609.92    2600  600.74
    3000  600.38    3200  595.71    3400  591.01 3455.06  579.61 3510.12   567.9
 3655.06   567.9 3710.12     600 3758.75  628.27 3937.09  710.03 4001.95  713.57
 4099.22  718.17  4196.5  721.25 4220.82  722.53

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3710.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3710.12             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.35    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       451777.40   57517.41   35738.50
  E.G. Slope (ft/ft)      0.000058    Area (sq ft)            451777.40   57517.41   35738.50
  Q Total (cfs)           1050428.00    Flow (cfs)             870773.50   137441.60   42212.84
  Top Width (ft)           4220.82    Top Width (ft)           3400.00     310.12     510.70
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.93       2.39       1.18
  Max Chl Dpth (ft)         192.45    Hydr. Depth (ft)          132.88     185.47      69.98
  Conv. Total (cfs)       138348100.0    Conv. (cfs)            114686500.0   18101940.0   5559702.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.56     321.19     574.27
  Min Ch El (ft)            567.90    Shear (lb/sq ft)            0.47       0.64       0.22
  Alpha                       1.05    Stream Power (lb/ft s)      0.90       1.54       0.26
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30675.42    4836.25    5878.46
  C & E Loss (ft)                     Cum SA (acres)            221.75      26.89      91.28


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3703.52*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.15     500  659.68     650  658.95     700  658.39
     950  648.13    1000  646.36    1100  638.64    1250   627.9    1350   627.9
    1475  618.95    1950  618.95    2025  618.05    2300  609.92    2600  600.77
    3000   600.4    3200  595.74    3400  591.05 3455.25  579.63 3510.51  567.89
 3655.25  567.89 3710.51     600 3759.37  628.45 3938.52  710.04 4003.67  713.62
 4101.39  718.27 4199.11  721.33 4223.54  722.63

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3710.51     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3710.51             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.35    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       451864.60   57584.32   35860.16
  E.G. Slope (ft/ft)      0.000058    Area (sq ft)            451864.60   57584.32   35860.16
  Q Total (cfs)           1050428.00    Flow (cfs)              870577.00   137527.10   42323.84
  Top Width (ft)           4223.54    Top Width (ft)           3400.00     310.51     513.03
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.93       2.39       1.18
  Max Chl Dpth (ft)         192.46    Hydr. Depth (ft)          132.90     185.45      69.90
  Conv. Total (cfs)       138424000.0    Conv. (cfs)            114723500.0   18123140.0   5577381.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.56     321.56     576.42
  Min Ch El (ft)            567.89    Shear (lb/sq ft)            0.47       0.64       0.22
  Alpha                       1.05    Stream Power (lb/ft s)      0.90       1.54       0.26
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30623.66    4829.66    5874.36
  C & E Loss (ft)                     Cum SA (acres)            221.36      26.86      91.22


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3698.54*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.12     500  659.66     650  658.91     700  658.33
     950     648    1000  646.22    1100  638.51    1250  627.82    1350  627.82
    1475  618.91    1950  618.91    2025  618.02    2300  609.92    2600   600.8
    3000  600.41    3200  595.76    3400  591.09 3455.45  579.65  3510.9  567.89
 3655.45  567.89  3710.9     600 3759.98  628.63 3939.95  710.04 4005.39  713.67
 4103.56  718.36 4201.72  721.42 4226.26  722.72

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3710.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400  3710.9             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.35    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       451959.80   57649.29   35982.65
  E.G. Slope (ft/ft)      0.000058    Area (sq ft)            451959.80   57649.29   35982.65
  Q Total (cfs)           1050428.00    Flow (cfs)              870389.10   137603.70   42435.14
  Top Width (ft)           4226.26    Top Width (ft)           3400.00     310.90     515.36
  Vel Total (ft/s)            1.93    Avg. Vel. (ft/s)            1.93       2.39       1.18
  Max Chl Dpth (ft)         192.46    Hydr. Depth (ft)          132.93     185.43      69.82
  Conv. Total (cfs)       138502700.0    Conv. (cfs)            114764000.0   18143540.0   5595227.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.55     321.93     578.58
  Min Ch El (ft)            567.89    Shear (lb/sq ft)            0.47       0.64       0.22
  Alpha                       1.05    Stream Power (lb/ft s)      0.90       1.53       0.26
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30571.89    4823.06    5870.24
  C & E Loss (ft)                     Cum SA (acres)            220.97      26.82      91.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3693.56*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.09     500  659.65     650  658.87     700  658.27
     950  647.87    1000  646.09    1100  638.39    1250  627.74    1350  627.74
    1475  618.87    1950  618.87    2025  617.98    2300  609.92    2600  600.83
    3000  600.43    3200  595.79    3400  591.13 3455.64  579.68 3511.28  567.89
 3655.64  567.89 3711.28     600 3760.59  628.81 3941.37  710.04 4007.11  713.72
 4105.73  718.45 4204.34   721.5 4228.99  722.82

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3711.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3711.28             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
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  E.G. Elev (ft)            760.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.35    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       452047.10   57711.97   36106.68
  E.G. Slope (ft/ft)      0.000057    Area (sq ft)            452047.10   57711.97   36106.68
  Q Total (cfs)           1050428.00    Flow (cfs)              870200.50   137677.50   42549.96
  Top Width (ft)           4228.99    Top Width (ft)           3400.00     311.28     517.71
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.93       2.39       1.18
  Max Chl Dpth (ft)         192.46    Hydr. Depth (ft)          132.96     185.40      69.74
  Conv. Total (cfs)       138577500.0    Conv. (cfs)            114801100.0   18163090.0   5613396.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.54     322.28     580.75
  Min Ch El (ft)            567.89    Shear (lb/sq ft)            0.47       0.64       0.22
  Alpha                       1.05    Stream Power (lb/ft s)      0.90       1.53       0.26
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30520.11    4816.45    5866.12
  C & E Loss (ft)                     Cum SA (acres)            220.58      26.79      91.10


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3688.58*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.06     500  659.64     650  658.83     700  658.21
     950  647.74    1000  645.95    1100  638.26    1250  627.67    1350  627.67
    1475  618.83    1950  618.83    2025  617.95    2300  609.92    2600  600.86
    3000  600.44    3200  595.82    3400  591.17 3455.84   579.7 3511.67  567.88
 3655.84  567.88 3711.67     600  3761.2  628.99  3942.8  710.04 4008.84  713.77
 4107.89  718.55 4206.95  721.58 4231.71  722.92

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3711.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3711.67              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.35    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       452135.50   57778.91   36227.93
  E.G. Slope (ft/ft)      0.000057    Area (sq ft)            452135.50   57778.91   36227.93
  Q Total (cfs)           1050428.00    Flow (cfs)              870006.40   137762.00   42659.64
  Top Width (ft)           4231.71    Top Width (ft)           3400.00     311.67     520.04
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.92       2.38       1.18
  Max Chl Dpth (ft)         192.47    Hydr. Depth (ft)          132.98     185.38      69.66
  Conv. Total (cfs)       138653900.0    Conv. (cfs)            114838700.0   18184240.0   5630966.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.53     322.65     582.90
  Min Ch El (ft)            567.88    Shear (lb/sq ft)            0.47       0.64       0.22
  Alpha                       1.05    Stream Power (lb/ft s)      0.90       1.53       0.26
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30468.32    4809.84    5861.97
  C & E Loss (ft)                     Cum SA (acres)            220.19      26.75      91.04


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3683.60*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  679.03     500  659.63     650  658.79     700  658.15
     950  647.61    1000  645.82    1100  638.14    1250  627.59    1350  627.59
    1475  618.79    1950  618.79    2025  617.91    2300  609.92    2600  600.88
    3000  600.46    3200  595.84    3400  591.21 3456.03  579.72 3512.06  567.88
 3656.03  567.88 3712.06     600 3761.81  629.17 3944.23  710.04 4010.56  713.82
 4110.06  718.64 4209.56  721.66 4234.44  723.02

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3712.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3712.06              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.41    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.35    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       452228.50   57843.84   36350.17
  E.G. Slope (ft/ft)      0.000057    Area (sq ft)            452228.50   57843.84   36350.17
  Q Total (cfs)           1050428.00    Flow (cfs)              869818.60   137839.30   42770.18
  Top Width (ft)           4234.44    Top Width (ft)           3400.00     312.06     522.38
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.92       2.38       1.18
  Max Chl Dpth (ft)         192.47    Hydr. Depth (ft)          133.01     185.36      69.59
  Conv. Total (cfs)       138731600.0    Conv. (cfs)            114878200.0   18204640.0   5648720.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.53     323.02     585.06
  Min Ch El (ft)            567.88    Shear (lb/sq ft)            0.46       0.64       0.22
  Alpha                       1.05    Stream Power (lb/ft s)      0.89       1.53       0.26
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30416.52    4803.21    5857.82
  C & E Loss (ft)                     Cum SA (acres)            219.80      26.72      90.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
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REACH: LOWER PALUXY       RS: 3678.62*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.99     500  659.62     650  658.75     700  658.09
     950  647.47    1000  645.68    1100  638.02    1250  627.51    1350  627.51
    1475  618.75    1950  618.75    2025  617.88    2300  609.92    2600  600.91
    3000  600.47    3200  595.87    3400  591.25 3456.23  579.75 3512.45  567.88
 3656.23  567.88 3712.45     600 3762.42  629.35 3945.66  710.04 4012.28  713.87
 4112.23  718.74 4212.17  721.74 4237.16  723.11

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3712.45     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3712.45             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.40    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.34    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       452321.90   57908.17   36470.80
  E.G. Slope (ft/ft)      0.000057    Area (sq ft)            452321.90   57908.17   36470.80
  Q Total (cfs)           1050428.00    Flow (cfs)             869636.10   137914.40   42877.57
  Top Width (ft)           4237.16    Top Width (ft)           3400.00     312.45     524.71
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.92       2.38       1.18
  Max Chl Dpth (ft)         192.46    Hydr. Depth (ft)          133.04     185.34      69.51
  Conv. Total (cfs)       138808600.0    Conv. (cfs)            114917900.0   18224670.0   5666049.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.52     323.38     587.22
  Min Ch El (ft)            567.88    Shear (lb/sq ft)            0.46       0.64       0.22
  Alpha                       1.05    Stream Power (lb/ft s)      0.89       1.52       0.26
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30364.71    4796.58    5853.64
  C & E Loss (ft)                     Cum SA (acres)            219.42      26.68      90.92


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3673.64*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.96     500   659.6     650  658.72     700  658.03
     950  647.34    1000  645.55    1100  637.89    1250  627.43    1350  627.43
    1475  618.72    1950  618.72    2025  617.84    2300  609.92    2600  600.94
    3000  600.49    3200   595.9    3400  591.28 3456.42  579.77 3512.84  567.87
 3656.42  567.87 3712.84     600 3763.04  629.53 3947.08  710.04 4014.01  713.92
  4114.4  718.83 4214.79  721.82 4239.88  723.21

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3712.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3712.84             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.40    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.34    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       452407.30   57975.34   36592.12
  E.G. Slope (ft/ft)      0.000057    Area (sq ft)            452407.30   57975.34   36592.12
  Q Total (cfs)           1050428.00    Flow (cfs)             869439.50   138001.30   42987.18
  Top Width (ft)           4239.88    Top Width (ft)           3400.00     312.84     527.04
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.92       2.38       1.17
  Max Chl Dpth (ft)         192.47    Hydr. Depth (ft)          133.06     185.32      69.43
  Conv. Total (cfs)       138883900.0    Conv. (cfs)            114954200.0   18246050.0   5683614.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.51     323.75     589.37
  Min Ch El (ft)            567.87    Shear (lb/sq ft)            0.46       0.64       0.22
  Alpha                       1.05    Stream Power (lb/ft s)      0.89       1.52       0.26
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30312.89    4789.95    5849.46
  C & E Loss (ft)                     Cum SA (acres)            219.03      26.64      90.86


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3668.66*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.93     500  659.59     650  658.68     700  657.97
     950  647.21    1000  645.41    1100  637.77    1250  627.35    1350  627.35
    1475  618.68    1950  618.68    2025  617.81    2300  609.92    2600  600.97
    3000   600.5    3200  595.93    3400  591.32 3456.61  579.79 3513.23  567.87
 3656.61  567.87 3713.23     600 3763.65  629.71 3948.51  710.04 4015.73  713.97
 4116.56  718.93  4217.4   721.9 4242.61  723.31

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3713.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3713.23             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.40    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
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  W.S. Elev (ft)            760.34    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       452496.90   58040.18   36712.25
  E.G. Slope (ft/ft)      0.000057    Area (sq ft)            452496.90   58040.18   36712.25
  Q Total (cfs)           1050428.00    Flow (cfs)              869254.30   138080.00   43093.66
  Top Width (ft)           4242.61    Top Width (ft)           3400.00     313.23     529.38
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.92       2.38       1.17
  Max Chl Dpth (ft)         192.47    Hydr. Depth (ft)          133.09     185.30      69.35
  Conv. Total (cfs)       138959500.0    Conv. (cfs)            114992300.0   18266390.0   5700795.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.50     324.11     591.53
  Min Ch El (ft)            567.87    Shear (lb/sq ft)            0.46       0.64       0.22
  Alpha                       1.05    Stream Power (lb/ft s)      0.89       1.52       0.26
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30261.06    4783.30    5845.26
  C & E Loss (ft)                     Cum SA (acres)            218.64      26.61      90.80


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3663.68*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175   678.9     500  659.58     650  658.64     700  657.91
     950  647.08    1000  645.28    1100  637.64    1250  627.28    1350  627.28
    1475  618.64    1950  618.64    2025  617.77    2300  609.92    2600     601
    3000  600.51    3200  595.95    3400  591.36 3456.81  579.82 3513.62  567.86
 3656.81  567.86 3713.62     600 3764.26  629.89 3949.94  710.05 4017.45  714.02
 4118.73  719.02 4220.01  721.98 4245.33   723.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3713.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3713.62             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.40    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.34    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       452588.00   58106.49   36831.48
  E.G. Slope (ft/ft)      0.000057    Area (sq ft)            452588.00   58106.49   36831.48
  Q Total (cfs)           1050428.00    Flow (cfs)              869069.00   138161.10   43197.86
  Top Width (ft)           4245.33    Top Width (ft)           3400.00     313.62     531.71
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.92       2.38       1.17
  Max Chl Dpth (ft)         192.48    Hydr. Depth (ft)          133.11     185.28      69.27
  Conv. Total (cfs)       139036000.0    Conv. (cfs)            115031100.0   18287180.0   5717724.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.50     324.49     593.70
  Min Ch El (ft)            567.86    Shear (lb/sq ft)            0.46       0.64       0.22
  Alpha                       1.05    Stream Power (lb/ft s)      0.89       1.52       0.26
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30209.22    4776.65    5841.05
  C & E Loss (ft)                     Cum SA (acres)            218.25      26.57      90.74


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3658.7*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.87     500  659.57     650   658.6     700  657.85
     950  646.95    1000  645.14    1100  637.52    1250   627.2    1350   627.2
    1475   618.6    1950   618.6    2025  617.74    2300  609.93    2600  601.03
    3000  600.53    3200  595.98    3400   591.4    3457  579.84 3514.01  567.86
    3657  567.86 3714.01     600 3764.87  630.08 3951.36  710.05 4019.18  714.07
  4120.9  719.12 4222.62  722.06 4248.05   723.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3714.01     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3714.01             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.40    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.34    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       452671.70   58171.29   36948.98
  E.G. Slope (ft/ft)      0.000057    Area (sq ft)            452671.70   58171.29   36948.98
  Q Total (cfs)           1050427.00    Flow (cfs)              868884.40   138242.40   43300.22
  Top Width (ft)           4248.05    Top Width (ft)           3400.00     314.01     534.04
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.92       2.38       1.17
  Max Chl Dpth (ft)         192.48    Hydr. Depth (ft)          133.14     185.25      69.19
  Conv. Total (cfs)       139108400.0    Conv. (cfs)            115066700.0   18307490.0   5734265.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.49     324.85     595.86
  Min Ch El (ft)            567.86    Shear (lb/sq ft)            0.46       0.64       0.22
  Alpha                       1.05    Stream Power (lb/ft s)      0.89       1.51       0.26
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30157.37    4769.99    5836.82
  C & E Loss (ft)                     Cum SA (acres)            217.86      26.54      90.68


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3653.72*

INPUT
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Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.84     500  659.56     650  658.56     700  657.79
     950  646.82    1000  645.01    1100  637.39    1250  627.12    1350  627.12
    1475  618.56    1950  618.56    2025   617.7    2300  609.93    2600  601.06
    3000  600.54    3200  596.01    3400  591.44  3457.2  579.86  3514.4  567.86
  3657.2  567.86  3714.4     600 3765.48  630.26 3952.79  710.05  4020.9  714.12
 4123.07  719.21 4225.24  722.15 4250.78   723.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3714.4     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400  3714.4             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.40    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.34    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       452763.60   58236.12   37068.42
  E.G. Slope (ft/ft)      0.000057    Area (sq ft)            452763.60   58236.12   37068.42
  Q Total (cfs)           1050427.00    Flow (cfs)              868702.80   138319.60   43404.67
  Top Width (ft)           4250.78    Top Width (ft)           3400.00     314.40     536.38
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.92       2.38       1.17
  Max Chl Dpth (ft)         192.48    Hydr. Depth (ft)          133.17     185.23      69.11
  Conv. Total (cfs)       139184800.0    Conv. (cfs)            115105800.0   18327760.0   5751251.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.48     325.22     598.03
  Min Ch El (ft)            567.86    Shear (lb/sq ft)            0.46       0.64       0.22
  Alpha                       1.05    Stream Power (lb/ft s)      0.89       1.51       0.26
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30105.51    4763.32    5832.58
  C & E Loss (ft)                     Cum SA (acres)            217.47      26.50      90.62

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3648.73*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.81     500  659.55     650  658.52     700  657.73
     950  646.69    1000  644.87    1100  637.27    1250  627.04    1350  627.04
    1475  618.52    1950  618.52    2025  617.67    2300  609.93    2600  601.08
    3000  600.56    3200  596.04    3400  591.48 3457.39  579.89 3514.79  567.85
 3657.39  567.85 3714.79     600 3766.09  630.44 3954.22  710.05 4022.62  714.17
 4125.24  719.31 4227.85  722.23  4253.5   723.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3714.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3714.79             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.40    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.34    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       452853.20   58302.32   37186.65
  E.G. Slope (ft/ft)      0.000057    Area (sq ft)            452853.20   58302.32   37186.65
  Q Total (cfs)           1050427.00    Flow (cfs)              868518.80   138401.00   43507.28
  Top Width (ft)           4253.50    Top Width (ft)           3400.00     314.79     538.71
  Vel Total (ft/s)            1.92    Avg. Vel. (ft/s)            1.92       2.37       1.17
  Max Chl Dpth (ft)         192.49    Hydr. Depth (ft)          133.19     185.21      69.03
  Conv. Total (cfs)       139260400.0    Conv. (cfs)            115143900.0   18348520.0   5767980.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.48     325.59     600.19
  Min Ch El (ft)            567.85    Shear (lb/sq ft)            0.46       0.64       0.22
  Alpha                       1.05    Stream Power (lb/ft s)      0.89       1.51       0.26
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30053.64    4756.65    5828.33
  C & E Loss (ft)                     Cum SA (acres)            217.08      26.47      90.56

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3643.75*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.77     500  659.53     650  658.48     700  657.67
     950  646.56    1000  644.74    1100  637.14    1250  626.96    1350  626.96
    1475  618.48    1950  618.48    2025  617.63    2300  609.93    2600  601.11
    3000  600.57    3200  596.06    3400  591.52 3457.59  579.91 3515.18  567.85
 3657.59  567.85 3715.18     600  3766.7  630.62 3955.64  710.05 4024.35  714.22
  4127.4   719.4 4230.46  722.31 4256.23  723.79

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3715.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3715.18             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.40    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.34    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       452952.10   58367.13   37305.73
  E.G. Slope (ft/ft)      0.000057    Area (sq ft)            452952.10   58367.13   37305.73
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  Q Total (cfs)           1050427.00    Flow (cfs)              868342.60   138475.10   43609.31
  Top Width (ft)           4256.23    Top Width (ft)           3400.00     315.18     541.05
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.92       2.37       1.17
  Max Chl Dpth (ft)         192.49    Hydr. Depth (ft)          133.22     185.19      68.95
  Conv. Total (cfs)       139339500.0    Conv. (cfs)            115185900.0   18368770.0   5784790.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.47     325.95     602.37
  Min Ch El (ft)            567.85    Shear (lb/sq ft)            0.46       0.64       0.22
  Alpha                       1.05    Stream Power (lb/ft s)      0.88       1.51       0.26
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30001.75    4749.96    5824.06
  C & E Loss (ft)                     Cum SA (acres)            216.69      26.43      90.49


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3638.77*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.74     500  659.52     650  658.44     700  657.61
     950  646.43    1000   644.6    1100  637.02    1250  626.89    1350  626.89
    1475  618.44    1950  618.44    2025   617.6    2300  609.93    2600  601.14
    3000  600.59    3200  596.09    3400  591.56 3457.78  579.93 3515.56  567.84
 3657.78  567.84 3715.56     600 3767.32   630.8 3957.07  710.05 4026.07  714.26
 4129.57  719.49 4233.07  722.39 4258.95  723.89

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3715.56     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3715.56             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.40    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.34    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       453036.20   58432.19   37427.18
  E.G. Slope (ft/ft)      0.000057    Area (sq ft)            453036.20   58432.19   37427.18
  Q Total (cfs)           1050427.00    Flow (cfs)              868152.80   138556.10   43718.08
  Top Width (ft)           4258.95    Top Width (ft)           3400.00     315.56     543.39
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.92       2.37       1.17
  Max Chl Dpth (ft)         192.50    Hydr. Depth (ft)          133.25     185.17      68.88
  Conv. Total (cfs)       139413300.0    Conv. (cfs)            115221800.0   18389250.0   5802290.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.46     326.32     604.54
  Min Ch El (ft)            567.84    Shear (lb/sq ft)            0.46       0.63       0.22
  Alpha                       1.05    Stream Power (lb/ft s)      0.88       1.50       0.26
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29949.86    4743.27    5819.78
  C & E Loss (ft)                     Cum SA (acres)            216.30      26.39      90.43


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3633.79*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.71     500  659.51     650   658.4     700  657.55
     950   646.3    1000  644.47    1100  636.89    1250  626.81    1350  626.81
    1475   618.4    1950   618.4    2025  617.56    2300  609.93    2600  601.17
    3000   600.6    3200  596.12    3400   591.6 3457.98  579.96 3515.95  567.84
 3657.98  567.84 3715.95     600 3767.93  630.98  3958.5  710.05 4027.79  714.31
 4131.74  719.59 4235.69  722.47 4261.67  723.99

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3715.95     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3715.95             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.40    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.34    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       453127.60   58496.33   37544.33
  E.G. Slope (ft/ft)      0.000057    Area (sq ft)            453127.60   58496.33   37544.33
  Q Total (cfs)           1050427.00    Flow (cfs)              867977.60   138631.20   43818.23
  Top Width (ft)           4261.67    Top Width (ft)           3400.00     315.95     545.72
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.92       2.37       1.17
  Max Chl Dpth (ft)         192.50    Hydr. Depth (ft)          133.27     185.14      68.80
  Conv. Total (cfs)       139488500.0    Conv. (cfs)            115260700.0   18409140.0   5818720.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.46     326.68     606.70
  Min Ch El (ft)            567.84    Shear (lb/sq ft)            0.46       0.63       0.22
  Alpha                       1.05    Stream Power (lb/ft s)      0.88       1.50       0.26
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29897.96    4736.58    5815.49
  C & E Loss (ft)                     Cum SA (acres)            215.91      26.36      90.37


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3628.81*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
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```
       0     680     175  678.68     500   659.5     650  658.37     700  657.49
     950  646.16    1000  644.33    1100  636.77    1250  626.73    1350  626.73
    1475  618.37    1950  618.37    2025  617.53    2300  609.93    2600   601.2
    3000  600.62    3200  596.14    3400  591.63 3458.17  579.98 3516.34  567.84
 3658.17  567.84 3716.34     600 3768.54  631.16 3959.92  710.05 4029.52  714.36
 4133.91  719.68  4238.3  722.55  4264.4  724.09

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3716.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3716.34             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.40    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.34    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       453212.00   58561.36   37662.18
  E.G. Slope (ft/ft)      0.000057    Area (sq ft)            453212.00   58561.36   37662.18
  Q Total (cfs)           1050427.00    Flow (cfs)              867794.40   138712.80   43919.82
  Top Width (ft)           4264.40    Top Width (ft)           3400.00     316.34     548.06
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.91       2.37       1.17
  Max Chl Dpth (ft)         192.50    Hydr. Depth (ft)          133.30     185.12      68.72
  Conv. Total (cfs)       139561400.0    Conv. (cfs)            115296600.0   18429610.0   5835259.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.45     327.05     608.88
  Min Ch El (ft)            567.84    Shear (lb/sq ft)            0.46       0.63       0.22
  Alpha                       1.05    Stream Power (lb/ft s)      0.88       1.50       0.26
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29846.05    4729.87    5811.18
  C & E Loss (ft)                     Cum SA (acres)            215.52      26.32      90.31


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3623.83*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.65     500  659.49     650  658.33     700  657.43
     950  646.03    1000   644.2    1100  636.65    1250  626.65    1350  626.65
    1475  618.33    1950  618.33    2025  617.49    2300  609.93    2600  601.23
    3000  600.63    3200  596.17    3400  591.67 3458.37     580 3516.73  567.83
 3658.37  567.83 3716.73     600 3769.15  631.34 3961.35  710.06 4031.24  714.41
 4136.08  719.78 4240.91  722.63 4267.12  724.18

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3716.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3716.73             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.40    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.34    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       453302.70   58628.11   37777.50
  E.G. Slope (ft/ft)      0.000057    Area (sq ft)            453302.70   58628.11   37777.50
  Q Total (cfs)           1050427.00    Flow (cfs)              867615.80   138795.70   44015.42
  Top Width (ft)           4267.12    Top Width (ft)           3400.00     316.73     550.39
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.91       2.37       1.17
  Max Chl Dpth (ft)         192.51    Hydr. Depth (ft)          133.32     185.10      68.64
  Conv. Total (cfs)       139636900.0    Conv. (cfs)            115335100.0   18450590.0   5851121.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.44     327.42     611.06
  Min Ch El (ft)            567.83    Shear (lb/sq ft)            0.46       0.63       0.22
  Alpha                       1.05    Stream Power (lb/ft s)      0.88       1.50       0.25
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29794.13    4723.16    5806.86
  C & E Loss (ft)                     Cum SA (acres)            215.13      26.28      90.24


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3618.85*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.62     500  659.47     650  658.29     700  657.37
     950   645.9    1000  644.06    1100  636.52    1250  626.58    1350  626.58
    1475  618.29    1950  618.29    2025  617.46    2300  609.93    2600  601.26
    3000  600.65    3200   596.2    3400  591.71 3458.56  580.03 3517.12  567.83
 3658.56  567.83 3717.12     600 3769.76  631.52 3962.78  710.06 4032.96  714.46
 4138.24  719.87 4243.52  722.71 4269.84  724.28

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3717.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3717.12             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.40    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.34    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       453390.50   58692.23   37894.56
  E.G. Slope (ft/ft)      0.000057    Area (sq ft)            453390.50   58692.23   37894.56
  Q Total (cfs)           1050427.00    Flow (cfs)              867439.40   138872.20   44115.46
  Top Width (ft)           4269.84    Top Width (ft)           3400.00     317.12     552.72
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.91       2.37       1.16
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  Max Chl Dpth (ft)          192.51    Hydr. Depth (ft)          133.35     185.08      68.56
  Conv. Total (cfs)        139710500.0    Conv. (cfs)            115372500.0   18470490.0   5867513.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)         3482.44     327.79     613.22
  Min Ch El (ft)             567.83    Shear (lb/sq ft)            0.46       0.63       0.22
  Alpha                        1.05    Stream Power (lb/ft s)      0.88       1.50       0.25
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    29742.19    4716.44    5802.53
  C & E Loss (ft)                      Cum SA (acres)            214.74      26.25      90.18


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3613.87*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.59     500  659.46     650  658.25     700  657.32
     950  645.77    1000  643.93    1100   636.4    1250   626.5    1350   626.5
    1475  618.25    1950  618.25    2025  617.42    2300  609.93    2600  601.28
    3000  600.66    3200  596.23    3400  591.75 3458.75  580.05 3517.51  567.82
 3658.75  567.82 3717.51     600 3770.37   631.7  3964.2  710.06 4034.69  714.51
 4140.41  719.97 4246.14  722.79 4272.57  724.38

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3717.51     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3717.51             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)             760.40    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             760.34    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                       Flow Area (sq ft)       453482.70   58758.85   38010.26
  E.G. Slope (ft/ft)       0.000056    Area (sq ft)            453482.70   58758.85   38010.26
  Q Total (cfs)            1050427.00    Flow (cfs)              867261.60   138954.00   44211.37
  Top Width (ft)            4272.57    Top Width (ft)           3400.00     317.51     555.06
  Vel Total (ft/s)             1.91    Avg. Vel. (ft/s)            1.91       2.36       1.16
  Max Chl Dpth (ft)          192.52    Hydr. Depth (ft)          133.38     185.06      68.48
  Conv. Total (cfs)        139786700.0    Conv. (cfs)            115411800.0   18491450.0   5883475.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)         3482.43     328.16     615.40
  Min Ch El (ft)             567.82    Shear (lb/sq ft)            0.46       0.63       0.22
  Alpha                        1.05    Stream Power (lb/ft s)      0.88       1.49       0.25
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    29690.25    4709.71    5798.18
  C & E Loss (ft)                      Cum SA (acres)            214.35      26.21      90.12


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3608.89*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.55     500  659.45     650  658.21     700  657.26
     950  645.64    1000   643.8    1100  636.27    1250  626.42    1350  626.42
    1475  618.21    1950  618.21    2025  617.39    2300  609.93    2600  601.31
    3000  600.68    3200  596.25    3400  591.79 3458.95  580.07  3517.9  567.82
 3658.95  567.82  3717.9     600 3770.98  631.88 3965.63  710.06 4036.41  714.56
 4142.58  720.06 4248.75  722.88 4275.29  724.47

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3717.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400  3717.9             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)             760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             760.34    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                       Flow Area (sq ft)       453574.20   58823.52   38126.14
  E.G. Slope (ft/ft)       0.000056    Area (sq ft)            453574.20   58823.52   38126.14
  Q Total (cfs)            1050427.00    Flow (cfs)              867088.40   139030.60   44307.89
  Top Width (ft)            4275.29    Top Width (ft)           3400.00     317.90     557.39
  Vel Total (ft/s)             1.91    Avg. Vel. (ft/s)            1.91       2.36       1.16
  Max Chl Dpth (ft)          192.52    Hydr. Depth (ft)          133.40     185.04      68.40
  Conv. Total (cfs)        139861800.0    Conv. (cfs)            115450700.0   18511590.0   5899489.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)         3482.42     328.52     617.58
  Min Ch El (ft)             567.82    Shear (lb/sq ft)            0.46       0.63       0.22
  Alpha                        1.05    Stream Power (lb/ft s)      0.88       1.49       0.25
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    29638.29    4702.98    5793.82
  C & E Loss (ft)                      Cum SA (acres)            213.96      26.18      90.05


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3603.91*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.52     500  659.44     650  658.17     700   657.2
     950  645.51    1000  643.66    1100  636.15    1250  626.34    1350  626.34
    1475  618.17    1950  618.17    2025  617.35    2300  609.93    2600  601.34
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    3000  600.69    3200  596.28    3400  591.83 3459.14   580.1 3518.29  567.82
 3659.14  567.82 3718.29     600  3771.6  632.06 3967.06  710.06 4038.13  714.61
 4144.75  720.16 4251.36  722.96 4278.02  724.57

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3718.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3718.29             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.34    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       453665.70   58887.61   38242.05
  E.G. Slope (ft/ft)      0.000056    Area (sq ft)            453665.70   58887.61   38242.05
  Q Total (cfs)           1050427.00    Flow (cfs)              866917.10   139105.50   44404.43
  Top Width (ft)           4278.02    Top Width (ft)           3400.00     318.29     559.73
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.91       2.36       1.16
  Max Chl Dpth (ft)         192.52    Hydr. Depth (ft)          133.43     185.01      68.32
  Conv. Total (cfs)       139936600.0    Conv. (cfs)            115489700.0   18531460.0   5915506.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.42     328.89     619.76
  Min Ch El (ft)            567.82    Shear (lb/sq ft)            0.46       0.63       0.22
  Alpha                       1.05    Stream Power (lb/ft s)      0.88       1.49       0.25
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29586.33    4696.24    5789.44
  C & E Loss (ft)                     Cum SA (acres)            213.57      26.14      89.99


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3598.93*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.49     500  659.43     650  658.13     700  657.14
     950  645.38    1000  643.53    1100  636.02    1250  626.26    1350  626.26
    1475  618.13    1950  618.13    2025  617.32    2300  609.93    2600  601.37
    3000  600.71    3200  596.31    3400  591.87 3459.34  580.12 3518.68  567.81
 3659.34  567.81 3718.68     600 3772.21  632.24 3968.48  710.06 4039.86  714.66
 4146.92  720.25 4253.97  723.04 4280.74  724.67

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3718.68     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3718.68             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.33    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       453752.70   58954.26   38357.38
  E.G. Slope (ft/ft)      0.000056    Area (sq ft)            453752.70   58954.26   38357.38
  Q Total (cfs)           1050426.00    Flow (cfs)              866736.90   139188.80   44500.35
  Top Width (ft)           4280.74    Top Width (ft)           3400.00     318.68     562.06
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.91       2.36       1.16
  Max Chl Dpth (ft)         192.52    Hydr. Depth (ft)          133.46     185.00      68.24
  Conv. Total (cfs)       140010500.0    Conv. (cfs)            115526700.0   18552370.0   5931420.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.41     329.26     621.93
  Min Ch El (ft)            567.81    Shear (lb/sq ft)            0.46       0.63       0.22
  Alpha                       1.05    Stream Power (lb/ft s)      0.87       1.49       0.25
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29534.36    4689.49    5785.06
  C & E Loss (ft)                     Cum SA (acres)            213.18      26.10      89.93


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3593.95*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.46     500  659.41     650  658.09     700  657.08
     950  645.25    1000  643.39    1100   635.9    1250  626.19    1350  626.19
    1475  618.09    1950  618.09    2025  617.28    2300  609.93    2600   601.4
    3000  600.72    3200  596.33    3400  591.91 3459.53  580.14 3519.07  567.81
 3659.53  567.81 3719.07     600 3772.82  632.42 3969.91  710.06 4041.58  714.71
 4149.08  720.34 4256.59  723.12 4283.46  724.77

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3719.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3719.07             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.33    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       453845.60   59018.84   38472.57
  E.G. Slope (ft/ft)      0.000056    Area (sq ft)            453845.60   59018.84   38472.57
  Q Total (cfs)           1050426.00    Flow (cfs)              866565.90   139264.60   44595.42
  Top Width (ft)           4283.46    Top Width (ft)           3400.00     319.07     564.39
  Vel Total (ft/s)            1.91    Avg. Vel. (ft/s)            1.91       2.36       1.16
  Max Chl Dpth (ft)         192.52    Hydr. Depth (ft)          133.48     184.97      68.17
  Conv. Total (cfs)       140086100.0    Conv. (cfs)            115566300.0   18572500.0   5947300.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.41     329.63     624.10
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  Min Ch El (ft)            567.81    Shear (lb/sq ft)            0.46       0.63       0.22
  Alpha                       1.05    Stream Power (lb/ft s)      0.87       1.48       0.25
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29482.37    4682.73    5780.66
  C & E Loss (ft)                     Cum SA (acres)            212.79      26.07      89.86


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3588.97*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.43     500   659.4     650  658.05     700  657.02
     950  645.12    1000  643.26    1100  635.77    1250  626.11    1350  626.11
    1475  618.05    1950  618.05    2025  617.25    2300  609.93    2600  601.43
    3000  600.73    3200  596.36    3400  591.95 3459.73  580.17 3519.46  567.81
 3659.73  567.81 3719.46     600 3773.43   632.6 3971.34  710.06  4043.3  714.76
 4151.25  720.44  4259.2   723.2 4286.19  724.86

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3719.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3719.46             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.33    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       453935.90   59082.88   38586.99
  E.G. Slope (ft/ft)      0.000056    Area (sq ft)            453935.90   59082.88   38586.99
  Q Total (cfs)           1050426.00    Flow (cfs)              866397.90   139339.50   44688.49
  Top Width (ft)           4286.19    Top Width (ft)           3400.00     319.46     566.73
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.91       2.36       1.16
  Max Chl Dpth (ft)         192.52    Hydr. Depth (ft)          133.51     184.95      68.09
  Conv. Total (cfs)       140159900.0    Conv. (cfs)            115604700.0   18592280.0   5962851.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.40     330.00     626.29
  Min Ch El (ft)            567.81    Shear (lb/sq ft)            0.46       0.63       0.22
  Alpha                       1.05    Stream Power (lb/ft s)      0.87       1.48       0.25
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29430.38    4675.96    5776.24
  C & E Loss (ft)                     Cum SA (acres)            212.40      26.03      89.80


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3583.99*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175   678.4     500  659.39     650  658.02     700  656.96
     950  644.99    1000  643.12    1100  635.65    1250  626.03    1350  626.03
    1475  618.02    1950  618.02    2025  617.21    2300  609.93    2600  601.46
    3000  600.75    3200  596.39    3400  591.98 3459.92  580.19 3519.84   567.8
 3659.92   567.8 3719.84     600 3774.04  632.78 3972.76  710.07 4045.03  714.81
 4153.42  720.53 4261.81  723.28 4288.91  724.96

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3719.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3719.84             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.33    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       454018.40   59148.07   38701.27
  E.G. Slope (ft/ft)      0.000056    Area (sq ft)            454018.40   59148.07   38701.27
  Q Total (cfs)           1050426.00    Flow (cfs)              866220.90   139422.80   44782.32
  Top Width (ft)           4288.91    Top Width (ft)           3400.00     319.84     569.07
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.91       2.36       1.16
  Max Chl Dpth (ft)         192.53    Hydr. Depth (ft)          133.53     184.93      68.01
  Conv. Total (cfs)       140231100.0    Conv. (cfs)            115639900.0   18612850.0   5978409.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.40     330.36     628.48
  Min Ch El (ft)            567.80    Shear (lb/sq ft)            0.46       0.63       0.22
  Alpha                       1.05    Stream Power (lb/ft s)      0.87       1.48       0.25
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29378.37    4669.19    5771.82
  C & E Loss (ft)                     Cum SA (acres)            212.02      25.99      89.73


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3579.01*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.37     500  659.38     650  657.98     700   656.9
     950  644.85    1000  642.99    1100  635.53    1250  625.95    1350  625.95
    1475  617.98    1950  617.98    2025  617.18    2300  609.93    2600  601.48
    3000  600.76    3200  596.42    3400  592.02 3460.12  580.21 3520.23   567.8
 3660.12   567.8 3720.23     600 3774.65  632.97 3974.19  710.07 4046.75  714.86
 4155.59  720.63 4264.42  723.36 4291.63  725.06
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3720.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3720.23             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.33    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       454112.30   59212.64   38813.14
  E.G. Slope (ft/ft)      0.000056    Area (sq ft)            454112.30   59212.64   38813.14
  Q Total (cfs)           1050426.00    Flow (cfs)            866056.90   139498.40   44870.65
  Top Width (ft)           4291.63    Top Width (ft)          3400.00     320.23     571.40
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)           1.91       2.36       1.16
  Max Chl Dpth (ft)         192.53    Hydr. Depth (ft)         133.56     184.91      67.93
  Conv. Total (cfs)       140306200.0    Conv. (cfs)          115679900.0   18632910.0   5993406.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        3482.39     330.73     630.66
  Min Ch El (ft)            567.80    Shear (lb/sq ft)           0.46       0.63       0.22
  Alpha                       1.05    Stream Power (lb/ft s)     0.87       1.48       0.25
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29326.35    4662.41    5767.38
  C & E Loss (ft)                     Cum SA (acres)            211.63      25.96      89.67


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3574.03*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.33     500  659.37     650  657.94     700  656.84
     950  644.72    1000  642.85    1100   635.4    1250  625.88    1350  625.88
    1475  617.94    1950  617.94    2025  617.14    2300  609.93    2600  601.51
    3000  600.78    3200  596.44    3400  592.06 3460.31  580.24 3520.62  567.79
 3660.31  567.79 3720.62     600 3775.26  633.15 3975.62  710.07 4048.47  714.91
 4157.75  720.72 4267.04  723.44 4294.36  725.16

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3720.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3720.62             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.33    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       454203.50   59278.56   38927.24
  E.G. Slope (ft/ft)      0.000056    Area (sq ft)            454203.50   59278.56   38927.24
  Q Total (cfs)           1050426.00    Flow (cfs)            865885.50   139577.70   44962.80
  Top Width (ft)           4294.36    Top Width (ft)          3400.00     320.62     573.74
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)           1.91       2.35       1.16
  Max Chl Dpth (ft)         192.54    Hydr. Depth (ft)         133.59     184.89      67.85
  Conv. Total (cfs)       140381100.0    Conv. (cfs)          115718700.0   18653450.0   6008923.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        3482.38     331.10     632.84
  Min Ch El (ft)            567.79    Shear (lb/sq ft)           0.46       0.63       0.22
  Alpha                       1.05    Stream Power (lb/ft s)     0.87       1.47       0.25
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29274.33    4655.63    5762.92
  C & E Loss (ft)                     Cum SA (acres)            211.24      25.92      89.60


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3569.05*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175   678.3     500  659.35     650   657.9     700  656.78
     950  644.59    1000  642.72    1100  635.28    1250   625.8    1350   625.8
    1475   617.9    1950   617.9    2025  617.11    2300  609.93    2600  601.54
    3000  600.79    3200  596.47    3400   592.1 3460.51  580.26 3521.01  567.79
 3660.51  567.79 3721.01     600 3775.88  633.33 3977.04  710.07 4050.19  714.96
 4159.92  720.82 4269.65  723.53 4297.08  725.25

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3721.01     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3721.01             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.33    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       454294.90   59343.13   39039.25
  E.G. Slope (ft/ft)      0.000056    Area (sq ft)            454294.90   59343.13   39039.25
  Q Total (cfs)           1050426.00    Flow (cfs)            865720.70   139654.10   45051.13
  Top Width (ft)           4297.08    Top Width (ft)          3400.00     321.01     576.07
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)           1.91       2.35       1.15
  Max Chl Dpth (ft)         192.54    Hydr. Depth (ft)         133.62     184.86      67.77
  Conv. Total (cfs)       140455100.0    Conv. (cfs)          115757700.0   18673500.0   6023899.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        3482.38     331.47     635.03
  Min Ch El (ft)            567.79    Shear (lb/sq ft)           0.46       0.63       0.21
  Alpha                       1.05    Stream Power (lb/ft s)     0.87       1.47       0.25
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29222.29    4648.83    5758.46
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  C & E Loss (ft)                     Cum SA (acres)           210.85      25.88      89.53

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3564.07*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.27     500  659.34     650  657.86     700  656.72
     950  644.46    1000  642.58    1100  635.15    1250  625.72    1350  625.72
    1475  617.86    1950  617.86    2025  617.07    2300  609.93    2600  601.57
    3000  600.81    3200   596.5    3400  592.14  3460.7  580.28  3521.4  567.79
  3660.7  567.79  3721.4     600 3776.49  633.51 3978.47  710.07 4051.92  715.01
 4162.09  720.91 4272.26  723.61 4299.81  725.35

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3721.4     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400  3721.4             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.33    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       454384.40   59407.61   39152.80
  E.G. Slope (ft/ft)      0.000056    Area (sq ft)            454384.40   59407.61   39152.80
  Q Total (cfs)          1050426.00    Flow (cfs)             865552.80  139730.90   45142.41
  Top Width (ft)          4299.81    Top Width (ft)           3400.00     321.40     578.41
  Vel Total (ft/s)           1.90    Avg. Vel. (ft/s)            1.90       2.35       1.15
  Max Chl Dpth (ft)        192.54    Hydr. Depth (ft)          133.64     184.84      67.69
  Conv. Total (cfs)      140528600.0    Conv. (cfs)           115795800.0   18693550.0   6039264.0
  Length Wtd. (ft)           4.99    Wetted Per. (ft)         3482.37     331.84     637.22
  Min Ch El (ft)           567.79    Shear (lb/sq ft)            0.46       0.62       0.21
  Alpha                      1.05    Stream Power (lb/ft s)      0.87       1.47       0.25
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    29170.24    4642.03    5753.98
  C & E Loss (ft)                    Cum SA (acres)            210.46      25.85      89.47

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3559.08*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.24     500  659.33     650  657.82     700  656.66
     950  644.33    1000  642.45    1100  635.03    1250  625.64    1350  625.64
    1475  617.82    1950  617.82    2025  617.04    2300  609.93    2600   601.6
    3000  600.82    3200  596.53    3400  592.18  3460.9  580.31 3521.79  567.78
  3660.9  567.78 3721.79     600  3777.1  633.69  3979.9  710.07 4053.64  715.06
 4164.26  721.01 4274.88  723.69 4302.53  725.45

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3721.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3721.79             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.33    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       454473.20   59473.54   39264.43
  E.G. Slope (ft/ft)      0.000056    Area (sq ft)            454473.20   59473.54   39264.43
  Q Total (cfs)          1050426.00    Flow (cfs)             865384.40  139811.20   45230.42
  Top Width (ft)          4302.53    Top Width (ft)           3400.00     321.79     580.74
  Vel Total (ft/s)           1.90    Avg. Vel. (ft/s)            1.90       2.35       1.15
  Max Chl Dpth (ft)        192.55    Hydr. Depth (ft)          133.67     184.82      67.61
  Conv. Total (cfs)      140601900.0    Conv. (cfs)           115833600.0   18714040.0   6054194.0
  Length Wtd. (ft)           4.99    Wetted Per. (ft)         3482.37     332.21     639.40
  Min Ch El (ft)           567.78    Shear (lb/sq ft)            0.45       0.62       0.21
  Alpha                      1.05    Stream Power (lb/ft s)      0.87       1.47       0.25
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    29118.19    4635.22    5749.49
  C & E Loss (ft)                    Cum SA (acres)            210.07      25.81      89.40

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3554.10*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.21     500  659.32     650  657.78     700   656.6
     950   644.2    1000  642.31    1100   634.9    1250  625.56    1350  625.56
    1475  617.78    1950  617.78    2025     617    2300  609.93    2600  601.63
    3000  600.84    3200  596.55    3400  592.22 3461.09  580.33 3522.18  567.78
 3661.09  567.78 3722.18     600 3777.71  633.87 3981.32  710.07 4055.36  715.11
 4166.43   721.1 4277.49  723.77 4305.25  725.54

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
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       0     .15    3400     .15 3722.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3722.18             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.33    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       454564.70   59538.00   39376.57
  E.G. Slope (ft/ft)      0.000056    Area (sq ft)            454564.70   59538.00   39376.57
  Q Total (cfs)           1050426.00    Flow (cfs)              865220.30   139887.10   45318.59
  Top Width (ft)           4305.25    Top Width (ft)           3400.00     322.18     583.07
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.90       2.35       1.15
  Max Chl Dpth (ft)         192.55    Hydr. Depth (ft)          133.70     184.80      67.53
  Conv. Total (cfs)       140675900.0    Conv. (cfs)            115872600.0   18734060.0   6069187.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.36     332.58     641.59
  Min Ch El (ft)            567.78    Shear (lb/sq ft)            0.45       0.62       0.21
  Alpha                       1.05    Stream Power (lb/ft s)      0.86       1.46       0.25
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29066.12    4628.40    5744.98
  C & E Loss (ft)                     Cum SA (acres)            209.68      25.77      89.34


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3549.12*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.18     500  659.31     650  657.74     700  656.54
     950  644.07    1000  642.18    1100  634.78    1250  625.49    1350  625.49
    1475  617.74    1950  617.74    2025  616.97    2300  609.93    2600  601.65
    3000  600.85    3200  596.58    3400  592.26 3461.28  580.35 3522.57  567.77
 3661.28  567.77 3722.57     600 3778.32  634.05 3982.75  710.08 4057.09  715.16
 4168.59   721.2  4280.1  723.85 4307.98  725.64

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3722.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3722.57             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.33    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       454654.70   59604.48   39486.43
  E.G. Slope (ft/ft)      0.000056    Area (sq ft)            454654.70   59604.48   39486.43
  Q Total (cfs)           1050426.00    Flow (cfs)              865054.30   139969.40   45402.26
  Top Width (ft)           4307.98    Top Width (ft)           3400.00     322.57     585.41
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.90       2.35       1.15
  Max Chl Dpth (ft)         192.56    Hydr. Depth (ft)          133.72     184.78      67.45
  Conv. Total (cfs)       140749400.0    Conv. (cfs)            115911000.0   18754880.0   6083572.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.36     332.95     643.78
  Min Ch El (ft)            567.77    Shear (lb/sq ft)            0.45       0.62       0.21
  Alpha                       1.05    Stream Power (lb/ft s)      0.86       1.46       0.25
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29014.04    4621.58    5740.47
  C & E Loss (ft)                     Cum SA (acres)            209.29      25.74      89.27


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3544.14*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.15     500  659.29     650   657.7     700  656.48
     950  643.94    1000  642.04    1100  634.65    1250  625.41    1350  625.41
    1475   617.7    1950   617.7    2025  616.93    2300  609.93    2600  601.68
    3000  600.87    3200  596.61    3400   592.3 3461.48  580.38 3522.96  567.77
 3661.48  567.77 3722.96     600 3778.93  634.23 3984.18  710.08 4058.81   715.2
 4170.76  721.29 4282.71  723.93  4310.7  725.74

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3722.96     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3722.96             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.33    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       454746.70   59668.32   39599.02
  E.G. Slope (ft/ft)      0.000056    Area (sq ft)            454746.70   59668.32   39599.02
  Q Total (cfs)           1050426.00    Flow (cfs)              864892.20   140042.30   45491.51
  Top Width (ft)           4310.70    Top Width (ft)           3400.00     322.96     587.74
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.90       2.35       1.15
  Max Chl Dpth (ft)         192.56    Hydr. Depth (ft)          133.75     184.75      67.38
  Conv. Total (cfs)       140823400.0    Conv. (cfs)            115950200.0   18774520.0   6098735.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.35     333.32     645.96
  Min Ch El (ft)            567.77    Shear (lb/sq ft)            0.45       0.62       0.21
  Alpha                       1.05    Stream Power (lb/ft s)      0.86       1.46       0.24
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28961.96    4614.75    5735.94
  C & E Loss (ft)                     Cum SA (acres)            208.90      25.70      89.20
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3539.16*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.11     500  659.28     650  657.67     700  656.42
     950  643.81    1000  641.91    1100  634.53    1250  625.33    1350  625.33
    1475  617.67    1950  617.67    2025   616.9    2300  609.93    2600  601.71
    3000  600.88    3200  596.63    3400  592.33 3461.67   580.4 3523.35  567.77
 3661.67  567.77 3723.35     600 3779.54  634.41  3985.6  710.08 4060.53  715.25
 4172.93  721.38 4285.33  724.01 4313.42  725.84

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3723.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3723.35             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.33    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       454833.90   59733.05   39709.88
  E.G. Slope (ft/ft)      0.000056    Area (sq ft)            454833.90   59733.05   39709.88
  Q Total (cfs)           1050425.00    Flow (cfs)              864725.90   140121.20   45577.87
  Top Width (ft)           4313.42    Top Width (ft)           3400.00     323.35     590.07
  Vel Total (ft/s)            1.90    Avg. Vel. (ft/s)            1.90       2.35       1.15
  Max Chl Dpth (ft)         192.56    Hydr. Depth (ft)          133.77     184.73      67.30
  Conv. Total (cfs)       140895600.0    Conv. (cfs)            115987400.0   18794730.0   6113449.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.35     333.69     648.15
  Min Ch El (ft)            567.77    Shear (lb/sq ft)            0.45       0.62       0.21
  Alpha                       1.05    Stream Power (lb/ft s)      0.86       1.46       0.24
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28909.86    4607.91    5731.39
  C & E Loss (ft)                     Cum SA (acres)            208.51      25.66      89.13


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3534.18*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.08     500  659.27     650  657.63     700  656.36
     950  643.68    1000  641.77    1100   634.4    1250  625.25    1350  625.25
    1475  617.63    1950  617.63    2025  616.86    2300  609.93    2600  601.74
    3000   600.9    3200  596.66    3400  592.37 3461.87  580.42 3523.74  567.76
 3661.87  567.76 3723.74     600 3780.16  634.59 3987.03  710.08 4062.26   715.3
  4175.1  721.48 4287.94  724.09 4316.15  725.93

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3723.74     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3723.74             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.33    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       454923.50   59799.48   39820.77
  E.G. Slope (ft/ft)      0.000056    Area (sq ft)            454923.50   59799.48   39820.77
  Q Total (cfs)           1050425.00    Flow (cfs)              864559.40   140202.70   45662.92
  Top Width (ft)           4316.15    Top Width (ft)           3400.00     323.74     592.41
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.90       2.34       1.15
  Max Chl Dpth (ft)         192.57    Hydr. Depth (ft)          133.80     184.71      67.22
  Conv. Total (cfs)       140969100.0    Conv. (cfs)            116025500.0   18815480.0   6128052.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.34     334.06     650.35
  Min Ch El (ft)            567.76    Shear (lb/sq ft)            0.45       0.62       0.21
  Alpha                       1.05    Stream Power (lb/ft s)      0.86       1.45       0.24
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28857.75    4601.06    5726.84
  C & E Loss (ft)                     Cum SA (acres)            208.12      25.62      89.07


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3529.20*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.05     500  659.26     650  657.59     700   656.3
     950  643.54    1000  641.64    1100  634.28    1250  625.18    1350  625.18
    1475  617.59    1950  617.59    2025  616.83    2300  609.93    2600  601.77
    3000  600.91    3200  596.69    3400  592.41 3462.06  580.45 3524.12  567.76
 3662.06  567.76 3724.12     600 3780.77  634.77 3988.46  710.08 4063.98  715.35
 4177.27  721.57 4290.55  724.17 4318.87  726.03

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3724.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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          3400 3724.12             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.33    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       455011.40   59861.57   39932.76
  E.G. Slope (ft/ft)      0.000055    Area (sq ft)            455011.40   59861.57   39932.76
  Q Total (cfs)           1050425.00    Flow (cfs)              864400.30   140273.70   45751.06
  Top Width (ft)           4318.87    Top Width (ft)           3400.00     324.12     594.75
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.90       2.34       1.15
  Max Chl Dpth (ft)         192.57    Hydr. Depth (ft)          133.83     184.69      67.14
  Conv. Total (cfs)       141040600.0    Conv. (cfs)            116063000.0   18834550.0   6142996.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.34     334.42     652.54
  Min Ch El (ft)            567.76    Shear (lb/sq ft)            0.45       0.62       0.21
  Alpha                       1.05    Stream Power (lb/ft s)      0.86       1.45       0.24
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28805.63    4594.21    5722.27
  C & E Loss (ft)                     Cum SA (acres)            207.73      25.59      89.00


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3524.22*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  678.02     500  659.25     650  657.55     700  656.24
     950  643.41    1000   641.5    1100  634.16    1250   625.1    1350   625.1
    1475  617.55    1950  617.55    2025  616.79    2300  609.93    2600   601.8
    3000  600.93    3200  596.72    3400  592.45 3462.26  580.47 3524.51  567.75
 3662.26  567.75 3724.51     600 3781.38  634.95 3989.88  710.08  4065.7   715.4
 4179.43  721.67 4293.16  724.26  4321.6  726.13

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3724.51     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3724.51             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.33    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       455099.80   59927.96   40041.02
  E.G. Slope (ft/ft)      0.000055    Area (sq ft)            455099.80   59927.96   40041.02
  Q Total (cfs)           1050425.00    Flow (cfs)              864237.50   140355.90   45831.59
  Top Width (ft)           4321.60    Top Width (ft)           3400.00     324.51     597.09
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.90       2.34       1.14
  Max Chl Dpth (ft)         192.58    Hydr. Depth (ft)          133.85     184.67      67.06
  Conv. Total (cfs)       141113000.0    Conv. (cfs)            116100700.0   18855260.0   6156967.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.33     334.80     654.74
  Min Ch El (ft)            567.75    Shear (lb/sq ft)            0.45       0.62       0.21
  Alpha                       1.05    Stream Power (lb/ft s)      0.86       1.45       0.24
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28753.50    4587.35    5717.69
  C & E Loss (ft)                     Cum SA (acres)            207.34      25.55      88.93


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3519.24*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.99     500  659.23     650  657.51     700  656.18
     950  643.28    1000  641.37    1100  634.03    1250  625.02    1350  625.02
    1475  617.51    1950  617.51    2025  616.76    2300  609.93    2600  601.83
    3000  600.94    3200  596.74    3400  592.49 3462.45  580.49  3524.9  567.75
 3662.45  567.75  3724.9     600 3781.99  635.13 3991.31  710.08 4067.43  715.45
  4181.6  721.76 4295.78  724.34 4324.32  726.23

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3724.9     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400  3724.9             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.32    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       455194.40   59992.32   40150.98
  E.G. Slope (ft/ft)      0.000055    Area (sq ft)            455194.40   59992.32   40150.98
  Q Total (cfs)           1050425.00    Flow (cfs)              864080.00   140430.00   45915.00
  Top Width (ft)           4324.32    Top Width (ft)           3400.00     324.90     599.42
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.90       2.34       1.14
  Max Chl Dpth (ft)         192.57    Hydr. Depth (ft)          133.88     184.65      66.98
  Conv. Total (cfs)       141187700.0    Conv. (cfs)            116141000.0   18875200.0   6171438.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.33     335.16     656.93
  Min Ch El (ft)            567.75    Shear (lb/sq ft)            0.45       0.62       0.21
  Alpha                       1.05    Stream Power (lb/ft s)      0.86       1.45       0.24
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28701.36    4580.48    5713.10
  C & E Loss (ft)                     Cum SA (acres)            206.95      25.51      88.86


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3514.26*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.96     500  659.22     650  657.47     700  656.12
     950  643.15    1000  641.23    1100  633.91    1250  624.94    1350  624.94
    1475  617.47    1950  617.47    2025  616.72    2300  609.93    2600  601.85
    3000  600.96    3200  596.77    3400  592.53 3462.65  580.52 3525.29  567.75
 3662.65  567.75 3725.29     600  3782.6  635.31 3992.74  710.08 4069.15   715.5
 4183.77  721.86 4298.39  724.42 4327.04  726.32

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3725.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3725.29             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.32    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       455286.20   60056.09   40259.44
  E.G. Slope (ft/ft)      0.000055    Area (sq ft)            455286.20   60056.09   40259.44
  Q Total (cfs)           1050425.00    Flow (cfs)              863926.20   140503.20   45995.63
  Top Width (ft)           4327.04    Top Width (ft)           3400.00     325.29     601.75
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.90       2.34       1.14
  Max Chl Dpth (ft)         192.57    Hydr. Depth (ft)          133.91     184.62      66.90
  Conv. Total (cfs)       141260400.0    Conv. (cfs)            116180200.0   18894770.0   6185461.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.32     335.53     659.12
  Min Ch El (ft)            567.75    Shear (lb/sq ft)            0.45       0.62       0.21
  Alpha                       1.05    Stream Power (lb/ft s)      0.86       1.45       0.24
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28649.21    4573.60    5708.49
  C & E Loss (ft)                     Cum SA (acres)            206.56      25.48      88.79


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3509.28*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.93     500  659.21     650  657.43     700  656.06
     950  643.02    1000   641.1    1100  633.78    1250  624.86    1350  624.86
    1475  617.43    1950  617.43    2025  616.69    2300  609.94    2600  601.88
    3000  600.97    3200   596.8    3400  592.57 3462.84  580.54 3525.68  567.74
 3662.84  567.74 3725.68     600 3783.21  635.49 3994.16  710.09 4070.87  715.55
 4185.94  721.95    4301   724.5 4329.77  726.42

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3725.68     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3725.68             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.32    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       455372.90   60122.36   40366.98
  E.G. Slope (ft/ft)      0.000055    Area (sq ft)            455372.90   60122.36   40366.98
  Q Total (cfs)           1050425.00    Flow (cfs)              863764.50   140585.90   46074.68
  Top Width (ft)           4329.77    Top Width (ft)           3400.00     325.68     604.09
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.90       2.34       1.14
  Max Chl Dpth (ft)         192.58    Hydr. Depth (ft)          133.93     184.61      66.82
  Conv. Total (cfs)       141331900.0    Conv. (cfs)            116217200.0   18915450.0   6199225.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.32     335.91     661.33
  Min Ch El (ft)            567.74    Shear (lb/sq ft)            0.45       0.62       0.21
  Alpha                       1.05    Stream Power (lb/ft s)      0.86       1.44       0.24
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28597.05    4566.72    5703.87
  C & E Loss (ft)                     Cum SA (acres)            206.17      25.44      88.72


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3504.30*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.89     500   659.2     650  657.39     700     656
     950  642.89    1000  640.96    1100  633.66    1250  624.79    1350  624.79
    1475  617.39    1950  617.39    2025  616.65    2300  609.94    2600  601.91
    3000  600.98    3200  596.82    3400  592.61 3463.03  580.56 3526.07  567.74
 3663.03  567.74 3726.07     600 3783.82  635.68 3995.59  710.09  4072.6   715.6
  4188.1  722.05 4303.61  724.58 4332.49  726.52

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3726.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3726.07             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
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  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.32    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       455466.30   60186.69   40473.22
  E.G. Slope (ft/ft)      0.000055    Area (sq ft)            455466.30   60186.69   40473.22
  Q Total (cfs)           1050425.00    Flow (cfs)            863613.10   140660.90   46151.06
  Top Width (ft)           4332.49    Top Width (ft)          3400.00     326.07     606.42
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)           1.90       2.34       1.14
  Max Chl Dpth (ft)         192.58    Hydr. Depth (ft)         133.96     184.58      66.74
  Conv. Total (cfs)       141405100.0    Conv. (cfs)           116257000.0   18935350.0   6212720.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        3482.31     336.28     663.52
  Min Ch El (ft)            567.74    Shear (lb/sq ft)           0.45       0.62       0.21
  Alpha                       1.05    Stream Power (lb/ft s)     0.85       1.44       0.24
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   28544.88    4559.83    5699.24
  C & E Loss (ft)                     Cum SA (acres)           205.78      25.40      88.65


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3499.32*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.86     500  659.19     650  657.35     700  655.94
     950  642.76    1000  640.83    1100  633.53    1250  624.71    1350  624.71
    1475  617.35    1950  617.35    2025  616.62    2300  609.94    2600  601.94
    3000     601    3200  596.85    3400  592.65 3463.23  580.59 3526.46  567.74
 3663.23  567.74 3726.46     600 3784.44  635.86 3997.02  710.09 4074.32  715.65
 4190.27  722.14 4306.23  724.66 4335.21  726.61

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3726.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3726.46             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.32    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       455553.60   60250.39   40582.33
  E.G. Slope (ft/ft)      0.000055    Area (sq ft)            455553.60   60250.39   40582.33
  Q Total (cfs)           1050425.00    Flow (cfs)            863456.40   140735.30   46233.26
  Top Width (ft)           4335.21    Top Width (ft)          3400.00     326.46     608.75
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)           1.90       2.34       1.14
  Max Chl Dpth (ft)         192.58    Hydr. Depth (ft)         133.99     184.56      66.67
  Conv. Total (cfs)       141476000.0    Conv. (cfs)           116294300.0   18954880.0   6226907.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        3482.31     336.65     665.72
  Min Ch El (ft)            567.74    Shear (lb/sq ft)           0.45       0.62       0.21
  Alpha                       1.05    Stream Power (lb/ft s)     0.85       1.44       0.24
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   28492.70    4552.93    5694.60
  C & E Loss (ft)                     Cum SA (acres)           205.39      25.36      88.58


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3494.34*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.83     500  659.17     650  657.32     700  655.88
     950  642.63    1000  640.69    1100  633.41    1250  624.63    1350  624.63
    1475  617.32    1950  617.32    2025  616.58    2300  609.94    2600  601.97
    3000  601.01    3200  596.88    3400  592.68 3463.42  580.61 3526.85  567.73
 3663.42  567.73 3726.85     600 3785.05  636.04 3998.44  710.09 4076.04   715.7
 4192.44  722.23 4308.84  724.74 4337.94  726.71

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3726.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3726.85             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.32    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       455641.60   60317.00   40690.26
  E.G. Slope (ft/ft)      0.000055    Area (sq ft)            455641.60   60317.00   40690.26
  Q Total (cfs)           1050425.00    Flow (cfs)            863293.80   140818.60   46312.59
  Top Width (ft)           4337.94    Top Width (ft)          3400.00     326.85     611.09
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)           1.89       2.33       1.14
  Max Chl Dpth (ft)         192.59    Hydr. Depth (ft)         134.01     184.54      66.59
  Conv. Total (cfs)       141548400.0    Conv. (cfs)           116331800.0   18975790.0   6240780.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        3482.30     337.02     667.92
  Min Ch El (ft)            567.73    Shear (lb/sq ft)           0.45       0.62       0.21
  Alpha                       1.05    Stream Power (lb/ft s)     0.85       1.44       0.24
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   28440.51    4546.02    5689.94
  C & E Loss (ft)                     Cum SA (acres)           205.00      25.33      88.51


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
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REACH: LOWER PALUXY       RS: 3489.36*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175   677.8     500  659.16     650  657.28     700  655.82
     950   642.5    1000  640.56    1100  633.28    1250  624.55    1350  624.55
    1475  617.28    1950  617.28    2025  616.55    2300  609.94    2600     602
    3000  601.03    3200  596.91    3400  592.72 3463.62  580.63 3527.24  567.73
 3663.62  567.73 3727.24     600 3785.66  636.22 3999.87  710.09 4077.77  715.75
 4194.61  722.33 4311.45  724.82 4340.66  726.81

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3727.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3727.24             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.32    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       455728.20   60381.24   40796.73
  E.G. Slope (ft/ft)      0.000055    Area (sq ft)            455728.20   60381.24   40796.73
  Q Total (cfs)           1050425.00    Flow (cfs)             863139.30   140895.60   46390.15
  Top Width (ft)           4340.66    Top Width (ft)           3400.00     327.24     613.42
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.89       2.33       1.14
  Max Chl Dpth (ft)         192.59    Hydr. Depth (ft)          134.04     184.52      66.51
  Conv. Total (cfs)       141618700.0    Conv. (cfs)            116368800.0   18995600.0   6254338.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.30     337.39     670.11
  Min Ch El (ft)            567.73    Shear (lb/sq ft)            0.45       0.61       0.21
  Alpha                       1.05    Stream Power (lb/ft s)      0.85       1.43       0.24
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28388.31    4539.11    5685.28
  C & E Loss (ft)                     Cum SA (acres)            204.61      25.29      88.44


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3484.38*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.77     500  659.15     650  657.24     700  655.76
     950  642.37    1000  640.42    1100  633.16    1250  624.47    1350  624.47
    1475  617.24    1950  617.24    2025  616.51    2300  609.94    2600  602.03
    3000  601.04    3200  596.93    3400  592.76 3463.81  580.66 3527.63  567.72
 3663.81  567.72 3727.63     600 3786.27   636.4  4001.3  710.09 4079.49   715.8
 4196.78  722.42 4314.06   724.9 4343.39  726.91

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3727.63     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3727.63             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.32    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       455821.70   60446.85   40904.40
  E.G. Slope (ft/ft)      0.000055    Area (sq ft)            455821.70   60446.85   40904.40
  Q Total (cfs)           1050425.00    Flow (cfs)             862984.20   140972.60   46468.22
  Top Width (ft)           4343.39    Top Width (ft)           3400.00     327.63     615.76
  Vel Total (ft/s)            1.89    Avg. Vel. (ft/s)            1.89       2.33       1.14
  Max Chl Dpth (ft)         192.60    Hydr. Depth (ft)          134.07     184.50      66.43
  Conv. Total (cfs)       141692700.0    Conv. (cfs)            116408700.0   19015910.0   6268138.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.29     337.76     672.32
  Min Ch El (ft)            567.72    Shear (lb/sq ft)            0.45       0.61       0.21
  Alpha                       1.05    Stream Power (lb/ft s)      0.85       1.43       0.24
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28336.10    4532.19    5680.60
  C & E Loss (ft)                     Cum SA (acres)            204.23      25.25      88.37


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3479.40*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.74     500  659.14     650   657.2     700   655.7
     950  642.23    1000  640.29    1100  633.04    1250   624.4    1350   624.4
    1475   617.2    1950   617.2    2025  616.48    2300  609.94    2600  602.05
    3000  601.06    3200  596.96    3400   592.8 3464.01  580.68 3528.02  567.72
 3664.01  567.72 3728.02     600 3786.88  636.58 4002.72  710.09 4081.21  715.85
 4198.94  722.52 4316.68  724.99 4346.11     727

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3728.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3728.02             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
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  W.S. Elev (ft)            760.32    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       455910.10   60511.13   41009.08
  E.G. Slope (ft/ft)      0.000055    Area (sq ft)            455910.10   60511.13   41009.08
  Q Total (cfs)           1050424.00    Flow (cfs)              862833.30   141049.10   46541.69
  Top Width (ft)           4346.11    Top Width (ft)           3400.00     328.02     618.09
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.89       2.33       1.13
  Max Chl Dpth (ft)         192.60    Hydr. Depth (ft)          134.09     184.47      66.35
  Conv. Total (cfs)       141763300.0    Conv. (cfs)            116446400.0   19035720.0   6281180.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.29     338.13     674.52
  Min Ch El (ft)            567.72    Shear (lb/sq ft)            0.45       0.61       0.21
  Alpha                       1.05    Stream Power (lb/ft s)      0.85       1.43       0.24
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28283.88    4525.26    5675.91
  C & E Loss (ft)                     Cum SA (acres)            203.84      25.21      88.30


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3474.42*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.71     500  659.13     650  657.16     700  655.64
     950   642.1    1000  640.15    1100  632.91    1250  624.32    1350  624.32
    1475  617.16    1950  617.16    2025  616.44    2300  609.94    2600  602.08
    3000  601.07    3200  596.99    3400  592.84  3464.2   580.7  3528.4  567.72
  3664.2  567.72  3728.4     600 3787.49  636.76 4004.15  710.09 4082.93   715.9
 4201.11  722.61 4319.29  725.07 4348.83   727.1

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3728.4     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400  3728.4             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.32    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       456002.70   60573.61   41117.07
  E.G. Slope (ft/ft)      0.000055    Area (sq ft)            456002.70   60573.61   41117.07
  Q Total (cfs)           1050424.00    Flow (cfs)              862683.90   141119.30   46620.69
  Top Width (ft)           4348.83    Top Width (ft)           3400.00     328.40     620.43
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.89       2.33       1.13
  Max Chl Dpth (ft)         192.60    Hydr. Depth (ft)          134.12     184.45      66.27
  Conv. Total (cfs)       141835900.0    Conv. (cfs)            116485900.0   19054960.0   6295065.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.29     338.50     676.72
  Min Ch El (ft)            567.72    Shear (lb/sq ft)            0.45       0.61       0.21
  Alpha                       1.05    Stream Power (lb/ft s)      0.85       1.43       0.24
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28231.64    4518.33    5671.20
  C & E Loss (ft)                     Cum SA (acres)            203.45      25.18      88.23


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3469.44*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.67     500  659.11     650  657.12     700  655.58
     950  641.97    1000  640.02    1100  632.79    1250  624.24    1350  624.24
    1475  617.12    1950  617.12    2025  616.41    2300  609.94    2600  602.11
    3000  601.09    3200  597.02    3400  592.88  3464.4  580.73 3528.79  567.71
  3664.4  567.71 3728.79     600  3788.1  636.94 4005.58   710.1 4084.66  715.95
 4203.28  722.71  4321.9  725.15 4351.56   727.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3728.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3728.79             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.32    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       456093.30   60639.21   41220.98
  E.G. Slope (ft/ft)      0.000055    Area (sq ft)            456093.30   60639.21   41220.98
  Q Total (cfs)           1050424.00    Flow (cfs)              862534.20   141197.90   46692.01
  Top Width (ft)           4351.56    Top Width (ft)           3400.00     328.79     622.77
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.89       2.33       1.13
  Max Chl Dpth (ft)         192.61    Hydr. Depth (ft)          134.15     184.43      66.19
  Conv. Total (cfs)       141907600.0    Conv. (cfs)            116524600.0   19075210.0   6307885.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.28     338.87     678.93
  Min Ch El (ft)            567.71    Shear (lb/sq ft)            0.45       0.61       0.21
  Alpha                       1.05    Stream Power (lb/ft s)      0.85       1.43       0.24
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28179.40    4511.38    5666.48
  C & E Loss (ft)                     Cum SA (acres)            203.06      25.14      88.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3464.45*

INPUT
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Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.64     500   659.1     650  657.08     700  655.53
     950  641.84    1000  639.88    1100  632.66    1250  624.16    1350  624.16
    1475  617.08    1950  617.08    2025  616.37    2300  609.94    2600  602.14
    3000   601.1    3200  597.04    3400  592.92 3464.59  580.75 3529.18  567.71
 3664.59  567.71 3729.18     600 3788.72  637.12    4007   710.1 4086.38     716
 4205.45   722.8 4324.51  725.23 4354.28   727.3

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3729.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3729.18             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.32    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       456186.40   60703.37   41326.94
  E.G. Slope (ft/ft)      0.000055    Area (sq ft)            456186.40   60703.37   41326.94
  Q Total (cfs)           1050424.00    Flow (cfs)              862384.90   141271.70   46767.35
  Top Width (ft)           4354.28    Top Width (ft)           3400.00     329.18     625.10
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.89       2.33       1.13
  Max Chl Dpth (ft)         192.61    Hydr. Depth (ft)          134.17     184.41      66.11
  Conv. Total (cfs)       141980600.0    Conv. (cfs)            116564300.0   19094990.0   6321309.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.28     339.24     681.13
  Min Ch El (ft)            567.71    Shear (lb/sq ft)            0.45       0.61       0.21
  Alpha                       1.05    Stream Power (lb/ft s)      0.85       1.42       0.23
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28127.15    4504.43    5661.76
  C & E Loss (ft)                     Cum SA (acres)            202.67      25.10      88.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3459.47*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.61     500  659.09     650  657.04     700  655.47
     950  641.71    1000  639.75    1100  632.54    1250  624.09    1350  624.09
    1475  617.04    1950  617.04    2025  616.34    2300  609.94    2600  602.17
    3000  601.12    3200  597.07    3400  592.96 3464.79  580.77 3529.57   567.7
 3664.79   567.7 3729.57     600 3789.33   637.3 4008.43   710.1  4088.1  716.05
 4207.62   722.9 4327.13  725.31    4357  727.39

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3729.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3729.57             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.32    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       456269.80   60769.59   41431.35
  E.G. Slope (ft/ft)      0.000055    Area (sq ft)            456269.80   60769.59   41431.35
  Q Total (cfs)           1050424.00    Flow (cfs)              862228.60   141355.00   46840.43
  Top Width (ft)           4357.00    Top Width (ft)           3400.00     329.57     627.43
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.89       2.33       1.13
  Max Chl Dpth (ft)         192.62    Hydr. Depth (ft)          134.20     184.39      66.03
  Conv. Total (cfs)       142049700.0    Conv. (cfs)            116599900.0   19115560.0   6334270.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.28     339.62     683.34
  Min Ch El (ft)            567.70    Shear (lb/sq ft)            0.45       0.61       0.21
  Alpha                       1.05    Stream Power (lb/ft s)      0.85       1.42       0.23
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28074.88    4497.48    5657.02
  C & E Loss (ft)                     Cum SA (acres)            202.28      25.06      88.02


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3454.49*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.58     500  659.08     650     657     700  655.41
     950  641.58    1000  639.61    1100  632.41    1250  624.01    1350  624.01
    1475     617    1950     617    2025   616.3    2300  609.94    2600   602.2
    3000  601.13    3200   597.1    3400     593 3464.98   580.8 3529.96   567.7
 3664.98   567.7 3729.96     600 3789.94  637.48 4009.86   710.1 4089.83   716.1
 4209.78  722.99 4329.74  725.39 4359.73  727.49

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3729.96     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3729.96             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.32    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       456362.60   60833.08   41536.84
  E.G. Slope (ft/ft)      0.000055    Area (sq ft)            456362.60   60833.08   41536.84
```

```
  Q Total (cfs)           1050424.00    Flow (cfs)              862082.90   141426.70   46914.42
  Top Width (ft)           4359.73    Top Width (ft)           3400.00     329.96     629.77
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.89       2.32       1.13
  Max Chl Dpth (ft)         192.62    Hydr. Depth (ft)          134.22     184.37      65.96
  Conv. Total (cfs)       142122000.0    Conv. (cfs)            116639500.0   19134980.0   6347503.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.27     339.99     685.54
  Min Ch El (ft)            567.70    Shear (lb/sq ft)            0.45       0.61       0.21
  Alpha                       1.05    Stream Power (lb/ft s)      0.84       1.42       0.23
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28022.61    4490.51    5652.26
  C & E Loss (ft)                     Cum SA (acres)            201.89      25.02      87.95


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3449.51*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.55     500  659.07     650  656.96     700  655.35
     950  641.45    1000  639.48    1100  632.29    1250  623.93    1350  623.93
    1475  616.96    1950  616.96    2025  616.27    2300  609.94    2600  602.23
    3000  601.15    3200  597.12    3400  593.04 3465.18  580.82 3530.35   567.7
 3665.18   567.7 3730.35     600 3790.55  637.66 4011.28   710.1 4091.55  716.14
 4211.95  723.09 4332.35  725.47 4362.45  727.59

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3730.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3730.35             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.32    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       456450.40   60897.26   41640.95
  E.G. Slope (ft/ft)      0.000055    Area (sq ft)            456450.40   60897.26   41640.95
  Q Total (cfs)           1050424.00    Flow (cfs)              861934.40   141502.80   46986.84
  Top Width (ft)           4362.45    Top Width (ft)           3400.00     330.35     632.10
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.89       2.32       1.13
  Max Chl Dpth (ft)         192.62    Hydr. Depth (ft)          134.25     184.34      65.88
  Conv. Total (cfs)       142192100.0    Conv. (cfs)            116677000.0   19154720.0   6360440.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.27     340.36     687.74
  Min Ch El (ft)            567.70    Shear (lb/sq ft)            0.45       0.61       0.21
  Alpha                       1.05    Stream Power (lb/ft s)      0.84       1.42       0.23
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27970.33    4483.54    5647.50
  C & E Loss (ft)                     Cum SA (acres)            201.50      24.99      87.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3444.53*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.52     500  659.05     650  656.93     700  655.29
     950  641.32    1000  639.34    1100  632.16    1250  623.85    1350  623.85
    1475  616.93    1950  616.93    2025  616.23    2300  609.94    2600  602.25
    3000  601.16    3200  597.15    3400  593.07 3465.37  580.84 3530.74  567.69
 3665.37  567.69 3730.74     600 3791.16  637.84 4012.71   710.1 4093.27  716.19
 4214.12  723.18 4334.96  725.55 4365.17  727.68

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3730.74     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3730.74             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.32    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       456542.70   60963.64   41745.36
  E.G. Slope (ft/ft)      0.000055    Area (sq ft)            456542.70   60963.64   41745.36
  Q Total (cfs)           1050424.00    Flow (cfs)              861782.30   141583.30   47058.41
  Top Width (ft)           4365.17    Top Width (ft)           3400.00     330.74     634.43
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.89       2.32       1.13
  Max Chl Dpth (ft)         192.63    Hydr. Depth (ft)          134.28     184.33      65.80
  Conv. Total (cfs)       142265200.0    Conv. (cfs)            116716400.0   19175480.0   6373403.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.26     340.73     689.95
  Min Ch El (ft)            567.69    Shear (lb/sq ft)            0.45       0.61       0.21
  Alpha                       1.05    Stream Power (lb/ft s)      0.84       1.41       0.23
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27918.03    4476.56    5642.72
  C & E Loss (ft)                     Cum SA (acres)            201.11      24.95      87.80


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3439.55*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
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       0     680     175  677.49     500  659.04     650  656.89     700  655.23
     950  641.19    1000  639.21    1100  632.04    1250  623.77    1350  623.77
    1475  616.89    1950  616.89    2025   616.2    2300  609.94    2600  602.28
    3000  601.18    3200  597.18    3400  593.11 3465.56  580.87 3531.13  567.69
 3665.56  567.69 3731.13     600 3791.77  638.02 4014.14   710.1    4095  716.24
 4216.29  723.27 4337.58  725.64  4367.9  727.78

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3731.13     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3731.13             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       456628.40   61027.06   41849.03
  E.G. Slope (ft/ft)      0.000054    Area (sq ft)            456628.40   61027.06   41849.03
  Q Total (cfs)           1050424.00    Flow (cfs)              861636.30   141657.90   47129.91
  Top Width (ft)           4367.90    Top Width (ft)           3400.00     331.13     636.77
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.89       2.32       1.13
  Max Chl Dpth (ft)         192.62    Hydr. Depth (ft)          134.30     184.30      65.72
  Conv. Total (cfs)       142334000.0    Conv. (cfs)            116753000.0   19194850.0   6386171.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.26     341.10     692.16
  Min Ch El (ft)            567.69    Shear (lb/sq ft)            0.45       0.61       0.21
  Alpha                       1.05    Stream Power (lb/ft s)      0.84       1.41       0.23
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27865.73    4469.57    5637.94
  C & E Loss (ft)                     Cum SA (acres)            200.72      24.91      87.73


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3434.57*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.45     500  659.03     650  656.85     700  655.17
     950  641.06    1000  639.07    1100  631.91    1250   623.7    1350   623.7
    1475  616.85    1950  616.85    2025  616.16    2300  609.94    2600  602.31
    3000  601.19    3200  597.21    3400  593.15 3465.76  580.89 3531.52  567.68
 3665.76  567.68 3731.52     600 3792.38   638.2 4015.56  710.11 4096.72  716.29
 4218.45  723.37 4340.19  725.72 4370.62  727.88

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3731.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3731.52             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       456721.40   61093.21   41949.51
  E.G. Slope (ft/ft)      0.000054    Area (sq ft)            456721.40   61093.21   41949.51
  Q Total (cfs)           1050424.00    Flow (cfs)              861492.20   141737.40   47194.48
  Top Width (ft)           4370.62    Top Width (ft)           3400.00     331.52     639.10
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.89       2.32       1.13
  Max Chl Dpth (ft)         192.63    Hydr. Depth (ft)          134.33     184.28      65.64
  Conv. Total (cfs)       142406200.0    Conv. (cfs)            116792700.0   19215370.0   6398166.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.26     341.48     694.37
  Min Ch El (ft)            567.68    Shear (lb/sq ft)            0.45       0.61       0.21
  Alpha                       1.05    Stream Power (lb/ft s)      0.84       1.41       0.23
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27813.41    4462.58    5633.14
  C & E Loss (ft)                     Cum SA (acres)            200.33      24.87      87.66


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3429.59*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.42     500  659.02     650  656.81     700  655.11
     950  640.92    1000  638.94    1100  631.79    1250  623.62    1350  623.62
    1475  616.81    1950  616.81    2025  616.13    2300  609.94    2600  602.34
    3000  601.21    3200  597.23    3400  593.19 3465.95  580.91 3531.91  567.68
 3665.95  567.68 3731.91     600    3793  638.39 4016.99  710.11 4098.44  716.34
 4220.62  723.46  4342.8   725.8 4373.35  727.98

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3731.91     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3731.91             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       456810.60   61157.25   42052.23
  E.G. Slope (ft/ft)      0.000054    Area (sq ft)            456810.60   61157.25   42052.23
  Q Total (cfs)           1050424.00    Flow (cfs)              861347.90   141812.60   47263.44
  Top Width (ft)           4373.35    Top Width (ft)           3400.00     331.91     641.44
  Vel Total (ft/s)            1.88    Avg. Vel. (ft/s)            1.89       2.32       1.12
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  Max Chl Dpth (ft)         192.63    Hydr. Depth (ft)          134.36     184.26      65.56
  Conv. Total (cfs)       142476500.0    Conv. (cfs)            116830800.0   19235060.0   6410679.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.25     341.85     696.58
  Min Ch El (ft)            567.68    Shear (lb/sq ft)            0.45       0.61       0.20
  Alpha                       1.05    Stream Power (lb/ft s)      0.84       1.41       0.23
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27761.09    4455.58    5628.32
  C & E Loss (ft)                     Cum SA (acres)            199.94      24.84      87.58


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3424.61*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.39     500  659.01     650  656.77     700  655.05
     950  640.79    1000   638.8    1100  631.67    1250  623.54    1350  623.54
    1475  616.77    1950  616.77    2025  616.09    2300  609.94    2600  602.37
    3000  601.22    3200  597.26    3400  593.23 3466.15  580.94  3532.3  567.68
 3666.15  567.68  3732.3     600 3793.61  638.57 4018.42  710.11 4100.17  716.39
 4222.79  723.56 4345.41  725.88 4376.07  728.07

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3732.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400  3732.3             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       456901.90   61220.69   42154.08
  E.G. Slope (ft/ft)      0.000054    Area (sq ft)            456901.90   61220.69   42154.08
  Q Total (cfs)           1050424.00    Flow (cfs)              861208.60   141884.70   47330.71
  Top Width (ft)           4376.07    Top Width (ft)           3400.00     332.30     643.77
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.88       2.32       1.12
  Max Chl Dpth (ft)         192.63    Hydr. Depth (ft)          134.38     184.23      65.48
  Conv. Total (cfs)       142547100.0    Conv. (cfs)            116869800.0   19254380.0   6422986.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.25     342.22     698.79
  Min Ch El (ft)            567.68    Shear (lb/sq ft)            0.44       0.61       0.20
  Alpha                       1.05    Stream Power (lb/ft s)      0.84       1.41       0.23
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27708.75    4448.57    5623.50
  C & E Loss (ft)                     Cum SA (acres)            199.55      24.80      87.51


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3419.63*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.36     500  658.99     650  656.73     700  654.99
     950  640.66    1000  638.67    1100  631.54    1250  623.46    1350  623.46
    1475  616.73    1950  616.73    2025  616.06    2300  609.94    2600   602.4
    3000  601.23    3200  597.29    3400  593.27 3466.34  580.96 3532.68  567.67
 3666.34  567.67 3732.68     600 3794.22  638.75 4019.84  710.11 4101.89  716.44
 4224.96  723.65 4348.03  725.96 4378.79  728.17

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3732.68     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3732.68             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       456994.30   61285.00   42257.67
  E.G. Slope (ft/ft)      0.000054    Area (sq ft)            456994.30   61285.00   42257.67
  Q Total (cfs)           1050424.00    Flow (cfs)              861063.80   141959.70   47400.65
  Top Width (ft)           4378.79    Top Width (ft)           3400.00     332.68     646.11
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.88       2.32       1.12
  Max Chl Dpth (ft)         192.64    Hydr. Depth (ft)          134.41     184.22      65.40
  Conv. Total (cfs)       142619300.0    Conv. (cfs)            116909300.0   19274300.0   6435731.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.25     342.59     701.01
  Min Ch El (ft)            567.67    Shear (lb/sq ft)            0.44       0.61       0.20
  Alpha                       1.05    Stream Power (lb/ft s)      0.84       1.40       0.23
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27656.41    4441.55    5618.67
  C & E Loss (ft)                     Cum SA (acres)            199.16      24.76      87.43


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3414.65*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.33     500  658.98     650  656.69     700  654.93
     950  640.53    1000  638.53    1100  631.42    1250  623.39    1350  623.39
    1475  616.69    1950  616.69    2025  616.02    2300  609.94    2600  602.43
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    3000  601.25    3200  597.32    3400  593.31 3466.54  580.98 3533.07  567.67
 3666.54  567.67 3733.07     600 3794.83  638.93 4021.27  710.11 4103.61  716.49
 4227.13  723.75 4350.64  726.04 4381.52  728.27

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3733.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3733.07             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       457080.20   61349.07   42358.91
  E.G. Slope (ft/ft)      0.000054    Area (sq ft)            457080.20   61349.07   42358.91
  Q Total (cfs)           1050423.00    Flow (cfs)              860919.80   142036.00   47467.23
  Top Width (ft)           4381.52    Top Width (ft)           3400.00     333.07     648.45
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.88       2.32       1.12
  Max Chl Dpth (ft)         192.64    Hydr. Depth (ft)          134.44     184.19      65.32
  Conv. Total (cfs)       142687800.0    Conv. (cfs)            116945900.0   19293950.0   6447873.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.24     342.96     703.22
  Min Ch El (ft)            567.67    Shear (lb/sq ft)            0.44       0.61       0.20
  Alpha                       1.05    Stream Power (lb/ft s)      0.84       1.40       0.23
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27604.05    4434.53    5613.82
  C & E Loss (ft)                     Cum SA (acres)            198.77      24.72      87.36


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3409.67*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175   677.3     500  658.97     650  656.65     700  654.87
     950   640.4    1000   638.4    1100  631.29    1250  623.31    1350  623.31
    1475  616.65    1950  616.65    2025  615.99    2300  609.94    2600  602.45
    3000  601.26    3200  597.34    3400  593.35 3466.73  581.01 3533.46  567.67
 3666.73  567.67 3733.46     600 3795.44  639.11  4022.7  710.11 4105.34  716.54
 4229.29  723.84 4353.25  726.12 4384.24  728.37

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3733.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3733.46             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       457175.80   61412.38   42460.73
  E.G. Slope (ft/ft)      0.000054    Area (sq ft)            457175.80   61412.38   42460.73
  Q Total (cfs)           1050423.00    Flow (cfs)              860783.10   142105.90   47534.02
  Top Width (ft)           4384.24    Top Width (ft)           3400.00     333.46     650.78
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.88       2.31       1.12
  Max Chl Dpth (ft)         192.64    Hydr. Depth (ft)          134.46     184.17      65.25
  Conv. Total (cfs)       142760200.0    Conv. (cfs)            116986800.0   19313240.0   6460223.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.24     343.33     705.43
  Min Ch El (ft)            567.67    Shear (lb/sq ft)            0.44       0.60       0.20
  Alpha                       1.05    Stream Power (lb/ft s)      0.84       1.40       0.23
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27551.69    4427.49    5608.96
  C & E Loss (ft)                     Cum SA (acres)            198.38      24.68      87.29


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3404.69*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.27     500  658.96     650  656.61     700  654.81
     950  640.27    1000  638.26    1100  631.17    1250  623.23    1350  623.23
    1475  616.61    1950  616.61    2025  615.95    2300  609.94    2600  602.48
    3000  601.28    3200  597.37    3400  593.39 3466.93  581.03 3533.85  567.66
 3666.93  567.66 3733.85     600 3796.05  639.29 4024.12  710.11 4107.06  716.59
 4231.46  723.94 4355.86   726.2 4386.96  728.46

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3733.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3733.85             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       457264.30   61478.43   42560.70
  E.G. Slope (ft/ft)      0.000054    Area (sq ft)            457264.30   61478.43   42560.70
  Q Total (cfs)           1050423.00    Flow (cfs)              860638.90   142186.50   47597.64
  Top Width (ft)           4386.96    Top Width (ft)           3400.00     333.85     653.11
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.88       2.31       1.12
  Max Chl Dpth (ft)         192.65    Hydr. Depth (ft)          134.49     184.15      65.17
  Conv. Total (cfs)       142830300.0    Conv. (cfs)            117024600.0   19333680.0   6472046.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.24     343.71     707.65
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  Min Ch El (ft)            567.66    Shear (lb/sq ft)            0.44       0.60       0.20
  Alpha                       1.05    Stream Power (lb/ft s)      0.83       1.40       0.23
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27499.31    4420.46    5604.09
  C & E Loss (ft)                     Cum SA (acres)            197.99      24.64      87.21


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3399.71*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.23     500  658.95     650  656.58     700  654.75
     950  640.14    1000  638.13    1100  631.04    1250  623.15    1350  623.15
    1475  616.58    1950  616.58    2025  615.92    2300  609.94    2600  602.51
    3000  601.29    3200   597.4    3400  593.42 3467.12  581.05 3534.24  567.66
 3667.12  567.66 3734.24     600 3796.66  639.47 4025.55  710.11 4108.78  716.64
 4233.63  724.03 4358.48  726.28 4389.69  728.56

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3734.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3734.24             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       457351.10   61542.71   42662.11
  E.G. Slope (ft/ft)      0.000054    Area (sq ft)            457351.10   61542.71   42662.11
  Q Total (cfs)           1050423.00    Flow (cfs)              860495.10   142263.70   47664.18
  Top Width (ft)           4389.69    Top Width (ft)           3400.00     334.24     655.45
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.88       2.31       1.12
  Max Chl Dpth (ft)         192.65    Hydr. Depth (ft)          134.52     184.13      65.09
  Conv. Total (cfs)       142899500.0    Conv. (cfs)            117061700.0   19353540.0   6484231.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.24     344.08     709.86
  Min Ch El (ft)            567.66    Shear (lb/sq ft)            0.44       0.60       0.20
  Alpha                       1.05    Stream Power (lb/ft s)      0.83       1.39       0.23
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27446.92    4413.41    5599.21
  C & E Loss (ft)                     Cum SA (acres)            197.60      24.61      87.14


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3394.73*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175   677.2     500  658.93     650  656.54     700  654.69
     950  640.01    1000  637.99    1100  630.92    1250  623.07    1350  623.07
    1475  616.54    1950  616.54    2025  615.88    2300  609.94    2600  602.54
    3000  601.31    3200  597.42    3400  593.46 3467.32  581.08 3534.63  567.65
 3667.32  567.65 3734.63     600 3797.28  639.65 4026.98  710.12 4110.51  716.69
  4235.8  724.12 4361.09  726.37 4392.41  728.66

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3734.63     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3734.63             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       457443.80   61607.98   42761.11
  E.G. Slope (ft/ft)      0.000054    Area (sq ft)            457443.80   61607.98   42761.11
  Q Total (cfs)           1050423.00    Flow (cfs)              860357.10   142340.00   47725.86
  Top Width (ft)           4392.41    Top Width (ft)           3400.00     334.63     657.78
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.88       2.31       1.12
  Max Chl Dpth (ft)         192.66    Hydr. Depth (ft)          134.54     184.11      65.01
  Conv. Total (cfs)       142970700.0    Conv. (cfs)            117101300.0   19373570.0   6495859.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.23     344.46     712.07
  Min Ch El (ft)            567.65    Shear (lb/sq ft)            0.44       0.60       0.20
  Alpha                       1.05    Stream Power (lb/ft s)      0.83       1.39       0.23
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27394.53    4406.35    5594.32
  C & E Loss (ft)                     Cum SA (acres)            197.21      24.57      87.06


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3389.75*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.17     500  658.92     650   656.5     700  654.63
     950  639.88    1000  637.86    1100  630.79    1250     623    1350     623
    1475   616.5    1950   616.5    2025  615.85    2300  609.94    2600  602.57
    3000  601.32    3200  597.45    3400   593.5 3467.51   581.1 3535.02  567.65
 3667.51  567.65 3735.02     600 3797.89  639.83  4028.4  710.12 4112.23  716.74
 4237.97  724.22  4363.7  726.45 4395.14  728.75
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3735.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3735.02             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       457531.50   61671.93   42860.25
  E.G. Slope (ft/ft)      0.000054    Area (sq ft)            457531.50   61671.93   42860.25
  Q Total (cfs)           1050423.00    Flow (cfs)            860219.60   142415.70   47787.79
  Top Width (ft)           4395.14    Top Width (ft)          3400.00     335.02     660.12
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)           1.88       2.31       1.11
  Max Chl Dpth (ft)         192.66    Hydr. Depth (ft)         134.57     184.08      64.93
  Conv. Total (cfs)       143039300.0    Conv. (cfs)           117138800.0   19393190.0   6507412.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.23     344.83     714.30
  Min Ch El (ft)            567.65    Shear (lb/sq ft)           0.44       0.60       0.20
  Alpha                       1.05    Stream Power (lb/ft s)     0.83       1.39       0.23
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27342.12    4399.29    5589.41
  C & E Loss (ft)                     Cum SA (acres)            196.83      24.53      86.99


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3384.77*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.14     500  658.91     650  656.46     700  654.57
     950  639.75    1000  637.73    1100  630.67    1250  622.92    1350  622.92
    1475  616.46    1950  616.46    2025  615.81    2300  609.94    2600   602.6
    3000  601.34    3200  597.48    3400  593.54  3467.7  581.12 3535.41  567.65
  3667.7  567.65 3735.41     600  3798.5  640.01 4029.83  710.12 4113.95  716.79
 4240.13  724.31 4366.31  726.53 4397.86  728.85

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3735.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3735.41             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       457619.00   61735.82   42960.18
  E.G. Slope (ft/ft)      0.000054    Area (sq ft)            457619.00   61735.82   42960.18
  Q Total (cfs)           1050423.00    Flow (cfs)            860080.20   142490.90   47851.94
  Top Width (ft)           4397.86    Top Width (ft)          3400.00     335.41     662.45
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)           1.88       2.31       1.11
  Max Chl Dpth (ft)         192.66    Hydr. Depth (ft)         134.59     184.06      64.85
  Conv. Total (cfs)       143108200.0    Conv. (cfs)           117176200.0   19412770.0   6519284.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.23     345.20     716.51
  Min Ch El (ft)            567.65    Shear (lb/sq ft)           0.44       0.60       0.20
  Alpha                       1.05    Stream Power (lb/ft s)     0.83       1.39       0.22
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27289.70    4392.23    5584.50
  C & E Loss (ft)                     Cum SA (acres)            196.44      24.49      86.91


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3379.79*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.11     500   658.9     650  656.42     700  654.51
     950  639.61    1000  637.59    1100  630.54    1250  622.84    1350  622.84
    1475  616.42    1950  616.42    2025  615.78    2300  609.94    2600  602.63
    3000  601.35    3200  597.51    3400  593.58  3467.9  581.15  3535.8  567.64
  3667.9  567.64  3735.8     600 3799.11  640.19 4031.26  710.12 4115.68  716.84
  4242.3  724.41 4368.93  726.61 4400.58  728.95

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3735.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400  3735.8             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.36    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       457711.30   61801.09   43058.61
  E.G. Slope (ft/ft)      0.000054    Area (sq ft)            457711.30   61801.09   43058.61
  Q Total (cfs)           1050423.00    Flow (cfs)            859943.40   142567.10   47912.50
  Top Width (ft)           4400.58    Top Width (ft)          3400.00     335.80     664.78
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)           1.88       2.31       1.11
  Max Chl Dpth (ft)         192.67    Hydr. Depth (ft)         134.62     184.04      64.77
  Conv. Total (cfs)       143179200.0    Conv. (cfs)           117215600.0   19432780.0   6530771.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.22     345.58     718.72
  Min Ch El (ft)            567.64    Shear (lb/sq ft)           0.44       0.60       0.20
  Alpha                       1.05    Stream Power (lb/ft s)     0.83       1.39       0.22
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27237.27    4385.15    5579.57
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  C & E Loss (ft)                      Cum SA (acres)            196.05      24.45      86.83

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3374.81*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.08     500  658.89     650  656.38     700  654.45
     950  639.48    1000  637.46    1100  630.42    1250  622.76    1350  622.76
    1475  616.38    1950  616.38    2025  615.74    2300  609.94    2600  602.65
    3000  601.37    3200  597.53    3400  593.62 3468.09  581.17 3536.19  567.64
 3668.09  567.64 3736.19     600 3799.72  640.37 4032.68  710.12  4117.4  716.89
 4244.47   724.5 4371.54  726.69 4403.31  729.05

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3736.19     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3736.19             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.36    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       457804.60   61864.98   43157.82
  E.G. Slope (ft/ft)      0.000054    Area (sq ft)            457804.60   61864.98   43157.82
  Q Total (cfs)           1050423.00    Flow (cfs)             859809.20   142639.90   47973.98
  Top Width (ft)           4403.31    Top Width (ft)           3400.00     336.19     667.12
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.88       2.31       1.11
  Max Chl Dpth (ft)         192.67    Hydr. Depth (ft)          134.65     184.02      64.69
  Conv. Total (cfs)       143250200.0    Conv. (cfs)            117255500.0   19452350.0   6542396.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.22     345.95     720.94
  Min Ch El (ft)            567.64    Shear (lb/sq ft)            0.44       0.60       0.20
  Alpha                       1.05    Stream Power (lb/ft s)      0.83       1.38       0.22
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27184.84    4378.07    5574.63
  C & E Loss (ft)                     Cum SA (acres)            195.66      24.41      86.76

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3369.82*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.05     500  658.87     650  656.34     700  654.39
     950  639.35    1000  637.32    1100   630.3    1250  622.68    1350  622.68
    1475  616.34    1950  616.34    2025  615.71    2300  609.94    2600  602.68
    3000  601.38    3200  597.56    3400  593.66 3468.29  581.19 3536.58  567.63
 3668.29  567.63 3736.58     600 3800.33  640.55 4034.11  710.12 4119.12  716.94
 4246.64   724.6 4374.15  726.77 4406.03  729.14

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3736.58     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3736.58             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.36    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       457896.50   61930.89   43255.57
  E.G. Slope (ft/ft)      0.000054    Area (sq ft)            457896.50   61930.89   43255.57
  Q Total (cfs)           1050423.00    Flow (cfs)             859671.80   142718.40   48032.79
  Top Width (ft)           4406.03    Top Width (ft)           3400.00     336.58     669.45
  Vel Total (ft/s)            1.87    Avg. Vel. (ft/s)            1.88       2.30       1.11
  Max Chl Dpth (ft)         192.68    Hydr. Depth (ft)          134.68     184.00      64.61
  Conv. Total (cfs)       143321100.0    Conv. (cfs)            117294800.0   19472700.0   6553660.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.22     346.33     723.16
  Min Ch El (ft)            567.63    Shear (lb/sq ft)            0.44       0.60       0.20
  Alpha                       1.05    Stream Power (lb/ft s)      0.83       1.38       0.22
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27132.39    4370.98    5569.68
  C & E Loss (ft)                     Cum SA (acres)            195.27      24.38      86.68

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3364.84*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  677.01     500  658.86     650   656.3     700  654.33
     950  639.22    1000  637.19    1100  630.17    1250  622.61    1350  622.61
    1475   616.3    1950   616.3    2025  615.67    2300  609.95    2600  602.71
    3000   601.4    3200  597.59    3400   593.7 3468.48  581.22 3536.96  567.63
 3668.48  567.63 3736.96     600 3800.95  640.73 4035.54  710.12 4120.84  716.99
  4248.8  724.69 4376.76  726.85 4408.75  729.24

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
```

```
       0     .15    3400     .15 3736.96     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3736.96             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.36    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       457982.10   61992.30   43355.90
  E.G. Slope (ft/ft)      0.000054    Area (sq ft)            457982.10   61992.30   43355.90
  Q Total (cfs)           1050423.00    Flow (cfs)              859537.50   142787.80   48097.69
  Top Width (ft)           4408.75    Top Width (ft)           3400.00     336.96     671.79
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.88       2.30       1.11
  Max Chl Dpth (ft)         192.68    Hydr. Depth (ft)          134.70     183.98      64.54
  Conv. Total (cfs)       143388300.0    Conv. (cfs)            117331400.0   19491290.0   6565587.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.22     346.69     725.38
  Min Ch El (ft)            567.63    Shear (lb/sq ft)            0.44       0.60       0.20
  Alpha                       1.05    Stream Power (lb/ft s)      0.83       1.38       0.22
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27079.93    4363.88    5564.72
  C & E Loss (ft)                     Cum SA (acres)            194.88      24.34      86.60


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3359.86*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.98     500  658.85     650  656.26     700  654.27
     950  639.09    1000  637.05    1100  630.05    1250  622.53    1350  622.53
    1475  616.26    1950  616.26    2025  615.64    2300  609.95    2600  602.74
    3000  601.41    3200  597.61    3400  593.74 3468.68  581.24 3537.35  567.63
 3668.68  567.63 3737.35     600 3801.56  640.91 4036.96  710.12 4122.57  717.04
 4250.97  724.79 4379.38  726.93 4411.48  729.34

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3737.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3737.35             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.36    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.30    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       458073.70   62056.18   43452.79
  E.G. Slope (ft/ft)      0.000054    Area (sq ft)            458073.70   62056.18   43452.79
  Q Total (cfs)           1050423.00    Flow (cfs)              859406.60   142861.30   48155.14
  Top Width (ft)           4411.48    Top Width (ft)           3400.00     337.35     674.13
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.88       2.30       1.11
  Max Chl Dpth (ft)         192.67    Hydr. Depth (ft)          134.73     183.95      64.46
  Conv. Total (cfs)       143458000.0    Conv. (cfs)            117370600.0   19510800.0   6576626.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.21     347.06     727.60
  Min Ch El (ft)            567.63    Shear (lb/sq ft)            0.44       0.60       0.20
  Alpha                       1.05    Stream Power (lb/ft s)      0.83       1.38       0.22
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27027.46    4356.77    5559.75
  C & E Loss (ft)                     Cum SA (acres)            194.49      24.30      86.53


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3354.88*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.95     500  658.84     650  656.23     700  654.21
     950  638.96    1000  636.92    1100  629.92    1250  622.45    1350  622.45
    1475  616.23    1950  616.23    2025   615.6    2300  609.95    2600  602.77
    3000  601.43    3200  597.64    3400  593.77 3468.87  581.26 3537.74  567.62
 3668.87  567.62 3737.74     600 3802.17   641.1 4038.39  710.13 4124.29  717.08
 4253.14  724.88 4381.99  727.02  4414.2  729.44

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3737.74     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3737.74             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.36    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.30    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       458157.00   62122.33   43547.76
  E.G. Slope (ft/ft)      0.000054    Area (sq ft)            458157.00   62122.33   43547.76
  Q Total (cfs)           1050423.00    Flow (cfs)              859267.30   142945.40   48210.28
  Top Width (ft)           4414.20    Top Width (ft)           3400.00     337.74     676.46
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.88       2.30       1.11
  Max Chl Dpth (ft)         192.68    Hydr. Depth (ft)          134.75     183.94      64.38
  Conv. Total (cfs)       143524800.0    Conv. (cfs)            117406200.0   19531380.0   6587222.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.21     347.44     729.82
  Min Ch El (ft)            567.62    Shear (lb/sq ft)            0.44       0.60       0.20
  Alpha                       1.05    Stream Power (lb/ft s)      0.83       1.38       0.22
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26974.98    4349.66    5554.77
  C & E Loss (ft)                     Cum SA (acres)            194.10      24.26      86.45
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3349.90*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.92     500  658.83     650  656.19     700  654.15
     950  638.83    1000  636.78    1100   629.8    1250  622.37    1350  622.37
    1475  616.19    1950  616.19    2025  615.57    2300  609.95    2600   602.8
    3000  601.44    3200  597.67    3400  593.81 3469.07  581.29 3538.13  567.62
 3669.07  567.62 3738.13     600 3802.78  641.28 4039.82  710.13 4126.01  717.13
 4255.31  724.97  4384.6   727.1 4416.93  729.53

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3738.13     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3738.13             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.36    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.30    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       458246.70   62185.48   43645.71
  E.G. Slope (ft/ft)      0.000054    Area (sq ft)            458246.70   62185.48   43645.71
  Q Total (cfs)           1050423.00    Flow (cfs)              859136.60   143016.90   48269.55
  Top Width (ft)           4416.93    Top Width (ft)           3400.00     338.13     678.80
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.87       2.30       1.11
  Max Chl Dpth (ft)         192.68    Hydr. Depth (ft)          134.78     183.91      64.30
  Conv. Total (cfs)       143593500.0    Conv. (cfs)            117444500.0   19550500.0   6598479.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.21     347.81     732.06
  Min Ch El (ft)            567.62    Shear (lb/sq ft)            0.44       0.60       0.20
  Alpha                       1.05    Stream Power (lb/ft s)      0.82       1.37       0.22
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26922.49    4342.54    5549.77
  C & E Loss (ft)                     Cum SA (acres)            193.71      24.22      86.37


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3344.92*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.89     500  658.81     650  656.15     700  654.09
     950   638.7    1000  636.65    1100  629.67    1250   622.3    1350   622.3
    1475  616.15    1950  616.15    2025  615.53    2300  609.95    2600  602.82
    3000  601.46    3200   597.7    3400  593.85 3469.26  581.31 3538.52  567.61
 3669.26  567.61 3738.52     600 3803.39  641.46 4041.24  710.13 4127.74  717.18
 4257.48  725.07 4387.21  727.18 4419.65  729.63

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3738.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3738.52             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.36    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.30    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       458339.20   62251.30   43741.16
  E.G. Slope (ft/ft)      0.000053    Area (sq ft)            458339.20   62251.30   43741.16
  Q Total (cfs)           1050422.00    Flow (cfs)              859002.70   143095.00   48324.29
  Top Width (ft)           4419.65    Top Width (ft)           3400.00     338.52     681.13
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.87       2.30       1.10
  Max Chl Dpth (ft)         192.69    Hydr. Depth (ft)          134.81     183.89      64.22
  Conv. Total (cfs)       143664100.0    Conv. (cfs)            117484100.0   19570820.0   6609218.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.21     348.19     734.27
  Min Ch El (ft)            567.61    Shear (lb/sq ft)            0.44       0.60       0.20
  Alpha                       1.05    Stream Power (lb/ft s)      0.82       1.37       0.22
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26869.99    4335.41    5544.77
  C & E Loss (ft)                     Cum SA (acres)            193.32      24.18      86.29


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3339.94*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.86     500   658.8     650  656.11     700  654.03
     950  638.57    1000  636.51    1100  629.55    1250  622.22    1350  622.22
    1475  616.11    1950  616.11    2025   615.5    2300  609.95    2600  602.85
    3000  601.47    3200  597.72    3400  593.89 3469.46  581.33 3538.91  567.61
 3669.46  567.61 3738.91     600    3804  641.64 4042.67  710.13 4129.46  717.23
 4259.64  725.16 4389.83  727.26 4422.37  729.73

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3738.91     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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          3400 3738.91             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.36    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.30    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       458430.80   62315.07   43837.83
  E.G. Slope (ft/ft)      0.000053    Area (sq ft)            458430.80   62315.07   43837.83
  Q Total (cfs)           1050422.00    Flow (cfs)              858872.60   143167.80   48381.62
  Top Width (ft)           4422.37    Top Width (ft)           3400.00     338.91     683.46
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.87       2.30       1.10
  Max Chl Dpth (ft)         192.69    Hydr. Depth (ft)          134.83     183.87      64.14
  Conv. Total (cfs)       143733800.0    Conv. (cfs)            117523300.0   19590270.0   6620269.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.21     348.56     736.49
  Min Ch El (ft)            567.61    Shear (lb/sq ft)            0.44       0.60       0.20
  Alpha                       1.05    Stream Power (lb/ft s)      0.82       1.37       0.22
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26817.48    4328.28    5539.75
  C & E Loss (ft)                     Cum SA (acres)            192.93      24.14      86.22


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3334.96*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.83     500  658.79     650  656.07     700  653.97
     950  638.44    1000  636.38    1100  629.42    1250  622.14    1350  622.14
    1475  616.07    1950  616.07    2025  615.46    2300  609.95    2600  602.88
    3000  601.48    3200  597.75    3400  593.93 3469.65  581.36  3539.3  567.61
 3669.65  567.61  3739.3     600 3804.61  641.82  4044.1  710.13 4131.18  717.28
 4261.81  725.26 4392.44  727.34  4425.1  729.82

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3739.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400  3739.3             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.36    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.30    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       458522.10   62378.11   43933.22
  E.G. Slope (ft/ft)      0.000053    Area (sq ft)            458522.10   62378.11   43933.22
  Q Total (cfs)           1050422.00    Flow (cfs)              858747.30   143238.70   48436.02
  Top Width (ft)           4425.10    Top Width (ft)           3400.00     339.30     685.80
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.87       2.30       1.10
  Max Chl Dpth (ft)         192.69    Hydr. Depth (ft)          134.86     183.84      64.06
  Conv. Total (cfs)       143802600.0    Conv. (cfs)            117562300.0   19609350.0   6630883.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.20     348.93     738.72
  Min Ch El (ft)            567.61    Shear (lb/sq ft)            0.44       0.60       0.20
  Alpha                       1.05    Stream Power (lb/ft s)      0.82       1.37       0.22
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26764.96    4321.14    5534.72
  C & E Loss (ft)                     Cum SA (acres)            192.54      24.10      86.14


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3329.98*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.79     500  658.78     650  656.03     700  653.91
     950   638.3    1000  636.24    1100   629.3    1250  622.06    1350  622.06
    1475  616.03    1950  616.03    2025  615.43    2300  609.95    2600  602.91
    3000   601.5    3200  597.78    3400  593.97 3469.84  581.38 3539.69   567.6
 3669.84   567.6 3739.69     600 3805.23     642 4045.53  710.13 4132.91  717.33
 4263.98  725.35 4395.05  727.42 4427.82  729.92

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3739.69     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3739.69             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.36    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.30    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       458612.70   62443.82   44029.80
  E.G. Slope (ft/ft)      0.000053    Area (sq ft)            458612.70   62443.82   44029.80
  Q Total (cfs)           1050422.00    Flow (cfs)              858612.10   143316.90   48493.05
  Top Width (ft)           4427.82    Top Width (ft)           3400.00     339.69     688.13
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.87       2.30       1.10
  Max Chl Dpth (ft)         192.70    Hydr. Depth (ft)          134.89     183.83      63.98
  Conv. Total (cfs)       143872600.0    Conv. (cfs)            117601100.0   19629620.0   6641922.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.20     349.31     740.94
  Min Ch El (ft)            567.60    Shear (lb/sq ft)            0.44       0.59       0.20
  Alpha                       1.05    Stream Power (lb/ft s)      0.82       1.37       0.22
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26712.43    4313.99    5529.69
  C & E Loss (ft)                     Cum SA (acres)            192.15      24.07      86.06


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
```

```
RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3325.00*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.76     500  658.77     650  655.99     700  653.85
     950  638.17    1000  636.11    1100  629.18    1250  621.98    1350  621.98
    1475  615.99    1950  615.99    2025  615.39    2300  609.95    2600  602.94
    3000  601.51    3200  597.81    3400  594.01 3470.04   581.4 3540.08   567.6
 3670.04   567.6 3740.08     600 3805.84  642.18 4046.95  710.13 4134.63  717.38
 4266.15  725.45 4397.67   727.5 4430.54  730.02

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3740.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3740.08              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.36    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.30    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       458703.50   62507.60   44123.74
  E.G. Slope (ft/ft)      0.000053    Area (sq ft)            458703.50   62507.60   44123.74
  Q Total (cfs)           1050422.00    Flow (cfs)              858486.10   143390.40   48545.54
  Top Width (ft)           4430.54    Top Width (ft)           3400.00     340.08     690.46
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.87       2.29       1.10
  Max Chl Dpth (ft)         192.70    Hydr. Depth (ft)          134.91     183.80      63.90
  Conv. Total (cfs)       143941300.0    Conv. (cfs)            117639900.0   19649050.0   6652285.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.20     349.68     743.16
  Min Ch El (ft)            567.60    Shear (lb/sq ft)            0.44       0.59       0.20
  Alpha                       1.05    Stream Power (lb/ft s)      0.82       1.36       0.22
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26659.89    4306.83    5524.64
  C & E Loss (ft)                     Cum SA (acres)            191.76      24.03      85.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3320.02*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.73     500  658.75     650  655.95     700   653.8
     950  638.04    1000  635.97    1100  629.05    1250  621.91    1350  621.91
    1475  615.95    1950  615.95    2025  615.36    2300  609.95    2600  602.97
    3000  601.53    3200  597.83    3400  594.05 3470.23  581.43 3540.47   567.6
 3670.23   567.6 3740.47     600 3806.45  642.36 4048.38  710.13 4136.35  717.43
 4268.32  725.54 4400.28  727.58 4433.27  730.12

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3740.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3740.47              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.36    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.30    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       458792.00   62570.60   44219.33
  E.G. Slope (ft/ft)      0.000053    Area (sq ft)            458792.00   62570.60   44219.33
  Q Total (cfs)           1050422.00    Flow (cfs)              858358.90   143462.10   48600.95
  Top Width (ft)           4433.27    Top Width (ft)           3400.00     340.47     692.80
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.87       2.29       1.10
  Max Chl Dpth (ft)         192.70    Hydr. Depth (ft)          134.94     183.78      63.83
  Conv. Total (cfs)       144008900.0    Conv. (cfs)            117677800.0   19668110.0   6663008.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.20     350.06     745.39
  Min Ch El (ft)            567.60    Shear (lb/sq ft)            0.44       0.59       0.20
  Alpha                       1.05    Stream Power (lb/ft s)      0.82       1.36       0.22
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26607.34    4299.67    5519.58
  C & E Loss (ft)                     Cum SA (acres)            191.37      23.99      85.90


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3315.04*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175   676.7     500  658.74     650  655.91     700  653.74
     950  637.91    1000  635.84    1100  628.93    1250  621.83    1350  621.83
    1475  615.91    1950  615.91    2025  615.32    2300  609.95    2600     603
    3000  601.54    3200  597.86    3400  594.09 3470.43  581.45 3540.86  567.59
 3670.43  567.59 3740.86     600 3807.06  642.54 4049.81  710.14 4138.08  717.48
 4270.48  725.64 4402.89  727.66 4435.99  730.21

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3740.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3740.86              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
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  E.G. Elev (ft)            760.36    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.30    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       458882.70   62636.34   44311.44
  E.G. Slope (ft/ft)      0.000053    Area (sq ft)            458882.70   62636.34   44311.44
  Q Total (cfs)           1050422.00    Flow (cfs)              858231.60   143541.00   48649.46
  Top Width (ft)           4435.99    Top Width (ft)           3400.00     340.86     695.13
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.87       2.29       1.10
  Max Chl Dpth (ft)         192.71    Hydr. Depth (ft)          134.97     183.76      63.75
  Conv. Total (cfs)       144077800.0    Conv. (cfs)            117716600.0   19688340.0   6672850.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.20     350.44     747.62
  Min Ch El (ft)            567.59    Shear (lb/sq ft)            0.44       0.59       0.20
  Alpha                       1.05    Stream Power (lb/ft s)      0.82       1.36       0.22
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26554.78    4292.49    5514.51
  C & E Loss (ft)                     Cum SA (acres)            190.98      23.95      85.82


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3310.06*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.67     500  658.73     650  655.88     700  653.68
     950  637.78    1000   635.7    1100   628.8    1250  621.75    1350  621.75
    1475  615.88    1950  615.88    2025  615.29    2300  609.95    2600  603.02
    3000  601.56    3200  597.89    3400  594.12 3470.62  581.47 3541.25  567.59
 3670.62  567.59 3741.25     600 3807.67  642.72 4051.23  710.14  4139.8  717.53
 4272.65  725.73  4405.5  727.75 4438.72  730.31

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3741.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3741.25             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.36    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.30    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       458968.30   62700.34   44405.03
  E.G. Slope (ft/ft)      0.000053    Area (sq ft)            458968.30   62700.34   44405.03
  Q Total (cfs)           1050422.00    Flow (cfs)              858102.40   143618.00   48701.56
  Top Width (ft)           4438.72    Top Width (ft)           3400.00     341.25     697.47
  Vel Total (ft/s)            1.86    Avg. Vel. (ft/s)            1.87       2.29       1.10
  Max Chl Dpth (ft)         192.71    Hydr. Depth (ft)          134.99     183.74      63.67
  Conv. Total (cfs)       144144300.0    Conv. (cfs)            117753200.0   19707990.0   6683078.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.20     350.81     749.85
  Min Ch El (ft)            567.59    Shear (lb/sq ft)            0.44       0.59       0.20
  Alpha                       1.05    Stream Power (lb/ft s)      0.82       1.36       0.22
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26502.20    4285.31    5509.42
  C & E Loss (ft)                     Cum SA (acres)            190.59      23.91      85.74


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3305.08*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.64     500  658.72     650  655.84     700  653.62
     950  637.65    1000  635.57    1100  628.68    1250  621.67    1350  621.67
    1475  615.84    1950  615.84    2025  615.25    2300  609.95    2600  603.05
    3000  601.57    3200  597.91    3400  594.16 3470.82   581.5 3541.63  567.58
 3670.82  567.58 3741.63     600 3808.28   642.9 4052.66  710.14 4141.52  717.58
 4274.82  725.83 4408.12  727.83 4441.44  730.41

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3741.63     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3741.63             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.35    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.30    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       459060.40   62763.55   44499.14
  E.G. Slope (ft/ft)      0.000053    Area (sq ft)            459060.40   62763.55   44499.14
  Q Total (cfs)           1050422.00    Flow (cfs)              857978.90   143689.30   48753.76
  Top Width (ft)           4441.44    Top Width (ft)           3400.00     341.63     699.81
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.87       2.29       1.10
  Max Chl Dpth (ft)         192.72    Hydr. Depth (ft)          135.02     183.72      63.59
  Conv. Total (cfs)       144213300.0    Conv. (cfs)            117792700.0   19727230.0   6693445.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.20     351.18     752.07
  Min Ch El (ft)            567.58    Shear (lb/sq ft)            0.44       0.59       0.20
  Alpha                       1.05    Stream Power (lb/ft s)      0.82       1.36       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26449.62    4278.13    5504.33
  C & E Loss (ft)                     Cum SA (acres)            190.20      23.87      85.66


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
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REACH: LOWER PALUXY       RS: 3300.10*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.61     500  658.71     650   655.8     700  653.56
     950  637.52    1000  635.43    1100  628.55    1250   621.6    1350   621.6
    1475   615.8    1950   615.8    2025  615.22    2300  609.95    2600  603.08
    3000  601.59    3200  597.94    3400   594.2 3471.01  581.52 3542.02  567.58
 3671.01  567.58 3742.02     600 3808.89  643.08 4054.09  710.14 4143.25  717.63
 4276.99  725.92 4410.73  727.91 4444.16  730.51

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3742.02     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3742.02             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.35    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.30    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       459146.00   62827.22   44593.02
  E.G. Slope (ft/ft)      0.000053    Area (sq ft)            459146.00   62827.22   44593.02
  Q Total (cfs)           1050422.00    Flow (cfs)             857850.90   143764.40   48806.74
  Top Width (ft)           4444.16    Top Width (ft)           3400.00     342.02     702.14
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.87       2.29       1.09
  Max Chl Dpth (ft)         192.72    Hydr. Depth (ft)          135.04     183.69      63.51
  Conv. Total (cfs)       144279700.0    Conv. (cfs)            117829300.0   19746620.0   6703805.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.19     351.55     754.29
  Min Ch El (ft)            567.58    Shear (lb/sq ft)            0.44       0.59       0.20
  Alpha                       1.05    Stream Power (lb/ft s)      0.82       1.35       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26397.03    4270.94    5499.23
  C & E Loss (ft)                     Cum SA (acres)            189.81      23.83      85.58


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3295.12*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.57     500   658.7     650  655.76     700   653.5
     950  637.39    1000   635.3    1100  628.43    1250  621.52    1350  621.52
    1475  615.76    1950  615.76    2025  615.18    2300  609.95    2600  603.11
    3000   601.6    3200  597.97    3400  594.24 3471.21  581.54 3542.41  567.58
 3671.21  567.58 3742.41     600 3809.51  643.26 4055.51  710.14 4144.97  717.68
 4279.15  726.01 4413.34  727.99 4446.89   730.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3742.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3742.41             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.35    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.30    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       459239.10   62890.85   44687.02
  E.G. Slope (ft/ft)      0.000053    Area (sq ft)            459239.10   62890.85   44687.02
  Q Total (cfs)           1050422.00    Flow (cfs)             857727.90   143835.90   48858.10
  Top Width (ft)           4446.89    Top Width (ft)           3400.00     342.41     704.48
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.87       2.29       1.09
  Max Chl Dpth (ft)         192.72    Hydr. Depth (ft)          135.07     183.67      63.43
  Conv. Total (cfs)       144349200.0    Conv. (cfs)            117869200.0   19765970.0   6714090.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.19     351.92     756.53
  Min Ch El (ft)            567.58    Shear (lb/sq ft)            0.44       0.59       0.20
  Alpha                       1.05    Stream Power (lb/ft s)      0.81       1.35       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26344.43    4263.73    5494.11
  C & E Loss (ft)                     Cum SA (acres)            189.43      23.79      85.50


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3290.14*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.54     500  658.68     650  655.72     700  653.44
     950  637.26    1000  635.16    1100   628.3    1250  621.44    1350  621.44
    1475  615.72    1950  615.72    2025  615.15    2300  609.95    2600  603.14
    3000  601.62    3200     598    3400  594.28  3471.4  581.57  3542.8  567.57
  3671.4  567.57  3742.8     600 3810.12  643.44 4056.94  710.14 4146.69  717.73
 4281.32  726.11 4415.95  728.07 4449.61   730.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3742.8     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400  3742.8             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.35    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
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  W.S. Elev (ft)            760.30    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       459329.50   62955.78   44778.73
  E.G. Slope (ft/ft)      0.000053    Area (sq ft)            459329.50   62955.78   44778.73
  Q Total (cfs)           1050422.00    Flow (cfs)              857603.60   143912.00   48906.40
  Top Width (ft)           4449.61    Top Width (ft)           3400.00     342.80     706.81
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.87       2.29       1.09
  Max Chl Dpth (ft)         192.73    Hydr. Depth (ft)          135.10     183.65      63.35
  Conv. Total (cfs)       144417600.0    Conv. (cfs)            117907900.0   19785780.0   6723910.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.19     352.30     758.76
  Min Ch El (ft)            567.57    Shear (lb/sq ft)            0.44       0.59       0.19
  Alpha                       1.05    Stream Power (lb/ft s)      0.81       1.35       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26291.81    4256.53    5488.99
  C & E Loss (ft)                     Cum SA (acres)            189.04      23.75      85.42


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3285.16*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.51     500  658.67     650  655.68     700  653.38
     950  637.13    1000  635.03    1100  628.18    1250  621.36    1350  621.36
    1475  615.68    1950  615.68    2025  615.11    2300  609.95    2600  603.17
    3000  601.63    3200  598.02    3400  594.32  3471.6  581.59 3543.19  567.57
  3671.6  567.57 3743.19     600 3810.73  643.62 4058.37  710.14 4148.42  717.78
 4283.49   726.2 4418.57  728.15 4452.33   730.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3743.19     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3743.19             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.35    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.30    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       459422.20   63019.38   44871.55
  E.G. Slope (ft/ft)      0.000053    Area (sq ft)            459422.20   63019.38   44871.55
  Q Total (cfs)           1050422.00    Flow (cfs)              857481.90   143983.70   48956.44
  Top Width (ft)           4452.33    Top Width (ft)           3400.00     343.19     709.14
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.87       2.28       1.09
  Max Chl Dpth (ft)         192.73    Hydr. Depth (ft)          135.12     183.63      63.28
  Conv. Total (cfs)       144486700.0    Conv. (cfs)            117947500.0   19805110.0   6734010.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.19     352.68     760.98
  Min Ch El (ft)            567.57    Shear (lb/sq ft)            0.44       0.59       0.19
  Alpha                       1.05    Stream Power (lb/ft s)      0.81       1.35       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26239.19    4249.31    5483.86
  C & E Loss (ft)                     Cum SA (acres)            188.65      23.71      85.34


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3280.17*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.48     500  658.66     650  655.64     700  653.32
     950  636.99    1000  634.89    1100  628.05    1250  621.28    1350  621.28
    1475  615.64    1950  615.64    2025  615.08    2300  609.95    2600   603.2
    3000  601.65    3200  598.05    3400  594.36 3471.79  581.61 3543.58  567.56
 3671.79  567.56 3743.58     600 3811.34   643.8 4059.79  710.15 4150.14  717.83
 4285.66   726.3 4421.18  728.23 4455.06  730.89

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3743.58     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3743.58             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.35    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.30    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       459511.10   63084.94   44960.81
  E.G. Slope (ft/ft)      0.000053    Area (sq ft)            459511.10   63084.94   44960.81
  Q Total (cfs)           1050422.00    Flow (cfs)              857359.30   144063.00   48999.68
  Top Width (ft)           4455.06    Top Width (ft)           3400.00     343.58     711.48
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.87       2.28       1.09
  Max Chl Dpth (ft)         192.74    Hydr. Depth (ft)          135.15     183.61      63.19
  Conv. Total (cfs)       144554000.0    Conv. (cfs)            117985600.0   19825260.0   6743097.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.19     353.05     763.22
  Min Ch El (ft)            567.56    Shear (lb/sq ft)            0.44       0.59       0.19
  Alpha                       1.05    Stream Power (lb/ft s)      0.81       1.35       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26186.55    4242.09    5478.71
  C & E Loss (ft)                     Cum SA (acres)            188.26      23.67      85.26


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3275.19*

INPUT
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Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.45     500  658.65     650   655.6     700  653.26
     950  636.86    1000  634.76    1100  627.93    1250  621.21    1350  621.21
    1475   615.6    1950   615.6    2025  615.04    2300  609.95    2600  603.22
    3000  601.66    3200  598.08    3400   594.4 3471.98  581.64 3543.97  567.56
 3671.98  567.56 3743.97     600 3811.95  643.99 4061.22  710.15 4151.86  717.88
 4287.83  726.39 4423.79  728.31 4457.78  730.99

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3743.97     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3743.97             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.35    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.29    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       459602.80   63147.74   45051.15
  E.G. Slope (ft/ft)      0.000053    Area (sq ft)            459602.80   63147.74   45051.15
  Q Total (cfs)           1050421.00    Flow (cfs)            857242.50   144133.00   49045.48
  Top Width (ft)           4457.78    Top Width (ft)           3400.00     343.97     713.81
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.87       2.28       1.09
  Max Chl Dpth (ft)         192.73    Hydr. Depth (ft)          135.18     183.59      63.11
  Conv. Total (cfs)       144621600.0    Conv. (cfs)            118024900.0   19844180.0   6752567.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.19     353.43     765.45
  Min Ch El (ft)            567.56    Shear (lb/sq ft)            0.43       0.59       0.19
  Alpha                       1.05    Stream Power (lb/ft s)      0.81       1.34       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26133.91    4234.86    5473.55
  C & E Loss (ft)                     Cum SA (acres)            187.87      23.64      85.18


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3270.21*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.42     500  658.64     650  655.56     700   653.2
     950  636.73    1000  634.62    1100  627.81    1250  621.13    1350  621.13
    1475  615.56    1950  615.56    2025  615.01    2300  609.95    2600  603.25
    3000  601.68    3200  598.11    3400  594.44 3472.18  581.66 3544.36  567.56
 3672.18  567.56 3744.36     600 3812.56  644.17 4062.65  710.15 4153.58  717.93
 4289.99  726.49  4426.4  728.39 4460.51  731.09

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3744.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3744.36             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.35    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.29    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       459689.80   63211.37   45141.68
  E.G. Slope (ft/ft)      0.000053    Area (sq ft)            459689.80   63211.37   45141.68
  Q Total (cfs)           1050421.00    Flow (cfs)            857121.60   144207.50   49091.88
  Top Width (ft)           4460.51    Top Width (ft)           3400.00     344.36     716.15
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.86       2.28       1.09
  Max Chl Dpth (ft)         192.73    Hydr. Depth (ft)          135.20     183.56      63.03
  Conv. Total (cfs)       144687700.0    Conv. (cfs)            118062100.0   19863510.0   6762041.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.19     353.80     767.69
  Min Ch El (ft)            567.56    Shear (lb/sq ft)            0.43       0.59       0.19
  Alpha                       1.05    Stream Power (lb/ft s)      0.81       1.34       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26081.26    4227.62    5468.39
  C & E Loss (ft)                     Cum SA (acres)            187.48      23.60      85.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3265.23*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.39     500  658.62     650  655.53     700  653.14
     950   636.6    1000  634.49    1100  627.68    1250  621.05    1350  621.05
    1475  615.53    1950  615.53    2025  614.97    2300  609.95    2600  603.28
    3000  601.69    3200  598.13    3400  594.47 3472.37  581.68 3544.75  567.55
 3672.37  567.55 3744.75     600 3813.17  644.35 4064.07  710.15 4155.31  717.97
 4292.16  726.58 4429.02  728.48 4463.23  731.19

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3744.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3744.75             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.35    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.29    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       459780.20   63277.23   45232.91
  E.G. Slope (ft/ft)      0.000053    Area (sq ft)            459780.20   63277.23   45232.91
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  Q Total (cfs)           1050421.00    Flow (cfs)              856995.20   144286.80   49139.06
  Top Width (ft)           4463.23    Top Width (ft)           3400.00     344.75     718.48
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.86       2.28       1.09
  Max Chl Dpth (ft)         192.74    Hydr. Depth (ft)          135.23     183.55      62.96
  Conv. Total (cfs)       144756400.0    Conv. (cfs)            118100800.0   19883870.0   6771758.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.19     354.18     769.91
  Min Ch El (ft)            567.55    Shear (lb/sq ft)            0.43       0.59       0.19
  Alpha                       1.05    Stream Power (lb/ft s)      0.81       1.34       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26028.59    4220.38    5463.21
  C & E Loss (ft)                     Cum SA (acres)            187.09      23.56      85.01


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3260.25*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.35     500  658.61     650  655.49     700  653.08
     950  636.47    1000  634.35    1100  627.56    1250  620.97    1350  620.97
    1475  615.49    1950  615.49    2025  614.94    2300  609.95    2600  603.31
    3000  601.71    3200  598.16    3400  594.51 3472.57  581.71 3545.14  567.55
 3672.57  567.55 3745.14     600 3813.79  644.53  4065.5  710.15 4157.03  718.02
 4294.33  726.68 4431.63  728.56 4465.95  731.28

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3745.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3745.14             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.35    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.29    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       459869.40   63340.03   45323.15
  E.G. Slope (ft/ft)      0.000053    Area (sq ft)            459869.40   63340.03   45323.15
  Q Total (cfs)           1050421.00    Flow (cfs)              856878.80   144357.40   49184.78
  Top Width (ft)           4465.95    Top Width (ft)           3400.00     345.14     720.81
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.86       2.28       1.09
  Max Chl Dpth (ft)         192.74    Hydr. Depth (ft)          135.26     183.52      62.88
  Conv. Total (cfs)       144823000.0    Conv. (cfs)            118139100.0   19902760.0   6781174.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.19     354.55     772.14
  Min Ch El (ft)            567.55    Shear (lb/sq ft)            0.43       0.59       0.19
  Alpha                       1.05    Stream Power (lb/ft s)      0.81       1.34       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25975.92    4213.12    5458.02
  C & E Loss (ft)                     Cum SA (acres)            186.70      23.52      84.93


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3255.27*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.32     500   658.6     650  655.45     700  653.02
     950  636.34    1000  634.22    1100  627.43    1250  620.89    1350  620.89
    1475  615.45    1950  615.45    2025   614.9    2300  609.95    2600  603.34
    3000  601.72    3200  598.19    3400  594.55 3472.76  581.73 3545.53  567.54
 3672.76  567.54 3745.53     600  3814.4  644.71 4066.93  710.15 4158.75  718.07
  4296.5  726.77 4434.24  728.64 4468.68  731.38

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3745.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3745.53             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.35    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.29    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       459961.20   63405.54   45413.89
  E.G. Slope (ft/ft)      0.000053    Area (sq ft)            459961.20   63405.54   45413.89
  Q Total (cfs)           1050421.00    Flow (cfs)              856756.00   144434.50   49230.53
  Top Width (ft)           4468.68    Top Width (ft)           3400.00     345.53     723.15
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.86       2.28       1.08
  Max Chl Dpth (ft)         192.75    Hydr. Depth (ft)          135.28     183.50      62.80
  Conv. Total (cfs)       144892000.0    Conv. (cfs)            118178400.0   19922860.0   6790714.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.19     354.93     774.38
  Min Ch El (ft)            567.54    Shear (lb/sq ft)            0.43       0.59       0.19
  Alpha                       1.06    Stream Power (lb/ft s)      0.81       1.34       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25923.23    4205.86    5452.83
  C & E Loss (ft)                     Cum SA (acres)            186.31      23.48      84.85


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3250.29*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
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       0     680     175  676.29     500  658.59     650  655.41     700  652.96
     950  636.21    1000  634.08    1100  627.31    1250  620.82    1350  620.82
    1475  615.41    1950  615.41    2025  614.87    2300  609.95    2600  603.37
    3000  601.73    3200  598.21    3400  594.59 3472.96  581.75 3545.91  567.54
 3672.96  567.54 3745.91     600 3815.01  644.89 4068.35  710.15 4160.48  718.12
 4298.67  726.86 4436.85  728.72  4471.4  731.48

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3745.91     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3745.91             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.35    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.29    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       460050.00   63467.27   45505.03
  E.G. Slope (ft/ft)      0.000053    Area (sq ft)            460050.00   63467.27   45505.03
  Q Total (cfs)           1050421.00    Flow (cfs)            856639.50   144503.60   49277.91
  Top Width (ft)           4471.40    Top Width (ft)           3400.00     345.91     725.49
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.86       2.28       1.08
  Max Chl Dpth (ft)         192.75    Hydr. Depth (ft)          135.31     183.48      62.72
  Conv. Total (cfs)       144958300.0    Conv. (cfs)            118216400.0   19941530.0   6800363.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.18     355.30     776.62
  Min Ch El (ft)            567.54    Shear (lb/sq ft)            0.43       0.59       0.19
  Alpha                       1.06    Stream Power (lb/ft s)      0.81       1.33       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25870.54    4198.60    5447.62
  C & E Loss (ft)                     Cum SA (acres)            185.92      23.44      84.76


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3245.31*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.26     500  658.58     650  655.37     700   652.9
     950  636.08    1000  633.95    1100  627.18    1250  620.74    1350  620.74
    1475  615.37    1950  615.37    2025  614.83    2300  609.95    2600   603.4
    3000  601.75    3200  598.24    3400  594.63 3473.15  581.78  3546.3  567.54
 3673.15  567.54  3746.3     600 3815.62  645.07 4069.78  710.15  4162.2  718.17
 4300.83  726.96 4439.47   728.8 4474.12  731.58

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3746.3     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400  3746.3             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.35    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.29    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       460139.20   63530.05   45593.43
  E.G. Slope (ft/ft)      0.000052    Area (sq ft)            460139.20   63530.05   45593.43
  Q Total (cfs)           1050421.00    Flow (cfs)            856525.80   144574.50   49320.75
  Top Width (ft)           4474.12    Top Width (ft)           3400.00     346.30     727.82
  Vel Total (ft/s)            1.85    Avg. Vel. (ft/s)            1.86       2.28       1.08
  Max Chl Dpth (ft)         192.75    Hydr. Depth (ft)          135.34     183.45      62.64
  Conv. Total (cfs)       145024400.0    Conv. (cfs)            118254600.0   19960420.0   6809378.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.18     355.67     778.84
  Min Ch El (ft)            567.54    Shear (lb/sq ft)            0.43       0.59       0.19
  Alpha                       1.06    Stream Power (lb/ft s)      0.81       1.33       0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25817.83    4191.32    5442.40
  C & E Loss (ft)                     Cum SA (acres)            185.53      23.40      84.68


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3240.33*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.23     500  658.56     650  655.33     700  652.84
     950  635.95    1000  633.81    1100  627.06    1250  620.66    1350  620.66
    1475  615.33    1950  615.33    2025   614.8    2300  609.95    2600  603.42
    3000  601.76    3200  598.27    3400  594.67 3473.35   581.8 3546.69  567.53
 3673.35  567.53 3746.69     600 3816.23  645.25 4071.21  710.16 4163.92  718.22
    4303  727.05 4442.08  728.88 4476.85  731.67

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3746.69     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3746.69             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.35    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.29    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       460234.70   63595.49   45681.57
  E.G. Slope (ft/ft)      0.000052    Area (sq ft)            460234.70   63595.49   45681.57
  Q Total (cfs)           1050421.00    Flow (cfs)            856409.90   144650.10   49360.99
  Top Width (ft)           4476.85    Top Width (ft)           3400.00     346.69     730.16
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.86       2.27       1.08
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  Max Chl Dpth (ft)          192.76    Hydr. Depth (ft)          135.36     183.44      62.56
  Conv. Total (cfs)        145094200.0    Conv. (cfs)            118295500.0   19980450.0   6818213.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)         3482.18     356.05     781.09
  Min Ch El (ft)             567.53    Shear (lb/sq ft)            0.43       0.58       0.19
  Alpha                        1.06    Stream Power (lb/ft s)      0.80       1.33       0.21
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    25765.11    4184.04    5437.17
  C & E Loss (ft)                      Cum SA (acres)            185.14      23.36      84.60


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3235.35*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175   676.2     500  658.55     650  655.29     700  652.78
     950  635.82    1000  633.68    1100  626.93    1250  620.58    1350  620.58
    1475  615.29    1950  615.29    2025  614.76    2300  609.95    2600  603.45
    3000  601.78    3200   598.3    3400  594.71 3473.54  581.82 3547.08  567.53
 3673.54  567.53 3747.08     600 3816.84  645.43 4072.63  710.16 4165.65  718.27
 4305.17  727.15 4444.69  728.96 4479.57  731.77

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3747.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3747.08             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)           760.35    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           760.29    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                     Flow Area (sq ft)       460323.40   63658.92   45768.86
  E.G. Slope (ft/ft)      0.000052    Area (sq ft)            460323.40   63658.92   45768.86
  Q Total (cfs)           1050421.00    Flow (cfs)            856295.70   144723.50   49401.84
  Top Width (ft)           4479.57    Top Width (ft)           3400.00     347.08     732.49
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.86       2.27       1.08
  Max Chl Dpth (ft)         192.76    Hydr. Depth (ft)          135.39     183.41      62.48
  Conv. Total (cfs)       145160200.0    Conv. (cfs)            118333600.0   19999680.0   6826960.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)         3482.18     356.43     783.32
  Min Ch El (ft)           567.53    Shear (lb/sq ft)            0.43       0.58       0.19
  Alpha                        1.06    Stream Power (lb/ft s)      0.80       1.33       0.21
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    25712.39    4176.75    5431.94
  C & E Loss (ft)                      Cum SA (acres)            184.75      23.32      84.51


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3230.37*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.17     500  658.54     650  655.25     700  652.72
     950  635.68    1000  633.54    1100  626.81    1250  620.51    1350  620.51
    1475  615.25    1950  615.25    2025  614.73    2300  609.95    2600  603.48
    3000  601.79    3200  598.32    3400  594.75 3473.74  581.85 3547.47  567.53
 3673.74  567.53 3747.47     600 3817.45  645.61 4074.06  710.16 4167.37  718.32
 4307.34  727.24  4447.3  729.04  4482.3  731.87

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3747.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3747.47             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)           760.35    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           760.29    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                     Flow Area (sq ft)       460414.30   63721.62   45857.88
  E.G. Slope (ft/ft)      0.000052    Area (sq ft)            460414.30   63721.62   45857.88
  Q Total (cfs)           1050421.00    Flow (cfs)            856183.00   144792.90   49445.07
  Top Width (ft)           4482.30    Top Width (ft)           3400.00     347.47     734.83
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.86       2.27       1.08
  Max Chl Dpth (ft)         192.76    Hydr. Depth (ft)          135.42     183.39      62.41
  Conv. Total (cfs)       145227100.0    Conv. (cfs)            118372500.0   20018500.0   6836083.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)         3482.18     356.80     785.56
  Min Ch El (ft)           567.53    Shear (lb/sq ft)            0.43       0.58       0.19
  Alpha                        1.06    Stream Power (lb/ft s)      0.80       1.33       0.21
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    25659.65    4169.46    5426.69
  C & E Loss (ft)                      Cum SA (acres)            184.36      23.28      84.43


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3225.39*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.13     500  658.53     650  655.21     700  652.66
     950  635.55    1000  633.41    1100  626.68    1250  620.43    1350  620.43
    1475  615.21    1950  615.21    2025  614.69    2300  609.95    2600  603.51
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    3000  601.81    3200  598.35    3400  594.79 3473.93  581.87 3547.86  567.52
 3673.93  567.52 3747.86     600 3818.07  645.79 4075.49  710.16 4169.09  718.37
  4309.5  727.34 4449.92  729.13 4485.02  731.96

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3747.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3747.86             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.34    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.29    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       460505.60   63787.02   45944.55
  E.G. Slope (ft/ft)      0.000052    Area (sq ft)            460505.60   63787.02   45944.55
  Q Total (cfs)           1050421.00    Flow (cfs)              856066.90   144870.20   49483.90
  Top Width (ft)           4485.02    Top Width (ft)           3400.00     347.86     737.16
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.86       2.27       1.08
  Max Chl Dpth (ft)         192.77    Hydr. Depth (ft)          135.44     183.37      62.33
  Conv. Total (cfs)       145294800.0    Conv. (cfs)            118411700.0   20038530.0   6844641.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.18     357.18     787.80
  Min Ch El (ft)            567.52    Shear (lb/sq ft)            0.43       0.58       0.19
  Alpha                       1.06    Stream Power (lb/ft s)      0.80       1.32       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25606.90    4162.15    5421.43
  C & E Loss (ft)                     Cum SA (acres)            183.97      23.24      84.34


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3220.41*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175   676.1     500  658.52     650  655.18     700   652.6
     950  635.42    1000  633.27    1100  626.56    1250  620.35    1350  620.35
    1475  615.18    1950  615.18    2025  614.66    2300  609.96    2600  603.54
    3000  601.82    3200  598.38    3400  594.82 3474.12  581.89 3548.25  567.52
 3674.12  567.52 3748.25     600 3818.68  645.97 4076.91  710.16 4170.82  718.42
 4311.67  727.43 4452.53  729.21 4487.74  732.06

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3748.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3748.25             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.34    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.29    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       460586.50   63850.74   46032.20
  E.G. Slope (ft/ft)      0.000052    Area (sq ft)            460586.50   63850.74   46032.20
  Q Total (cfs)           1050421.00    Flow (cfs)              855946.60   144948.00   49526.39
  Top Width (ft)           4487.74    Top Width (ft)           3400.00     348.25     739.49
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.86       2.27       1.08
  Max Chl Dpth (ft)         192.77    Hydr. Depth (ft)          135.47     183.35      62.25
  Conv. Total (cfs)       145357800.0    Conv. (cfs)            118446300.0   20057980.0   6853488.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.18     357.55     790.03
  Min Ch El (ft)            567.52    Shear (lb/sq ft)            0.43       0.58       0.19
  Alpha                       1.06    Stream Power (lb/ft s)      0.80       1.32       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25554.14    4154.84    5416.16
  C & E Loss (ft)                     Cum SA (acres)            183.58      23.20      84.26


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3215.43*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.07     500   658.5     650  655.14     700  652.54
     950  635.29    1000  633.14    1100  626.44    1250  620.27    1350  620.27
    1475  615.14    1950  615.14    2025  614.62    2300  609.96    2600  603.57
    3000  601.84    3200   598.4    3400  594.86 3474.32  581.92 3548.64  567.51
 3674.32  567.51 3748.64     600 3819.29  646.15 4078.34  710.16 4172.54  718.47
 4313.84  727.53 4455.14  729.29 4490.47  732.16

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3748.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3748.64             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.34    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.29    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       460678.40   63915.36   46118.65
  E.G. Slope (ft/ft)      0.000052    Area (sq ft)            460678.40   63915.36   46118.65
  Q Total (cfs)           1050421.00    Flow (cfs)              855834.00   145022.20   49564.75
  Top Width (ft)           4490.47    Top Width (ft)           3400.00     348.64     741.83
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.86       2.27       1.07
  Max Chl Dpth (ft)         192.78    Hydr. Depth (ft)          135.49     183.33      62.17
  Conv. Total (cfs)       145425300.0    Conv. (cfs)            118485700.0   20077560.0   6861981.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.18     357.93     792.27
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  Min Ch El (ft)            567.51    Shear (lb/sq ft)            0.43       0.58       0.19
  Alpha                       1.06    Stream Power (lb/ft s)      0.80       1.32       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25501.38    4147.52    5410.88
  C & E Loss (ft)                     Cum SA (acres)            183.19      23.16      84.18


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3210.45*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.04     500  658.49     650   655.1     700  652.48
     950  635.16    1000     633    1100  626.31    1250  620.19    1350  620.19
    1475   615.1    1950   615.1    2025  614.59    2300  609.96    2600   603.6
    3000  601.85    3200  598.43    3400   594.9 3474.51  581.94 3549.03  567.51
 3674.51  567.51 3749.03     600  3819.9  646.33 4079.77  710.16 4174.26  718.52
 4316.01  727.62 4457.75  729.37 4493.19  732.26

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3749.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3749.03             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.34    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.29    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       460769.30   63978.71   46205.79
  E.G. Slope (ft/ft)      0.000052    Area (sq ft)            460769.30   63978.71   46205.79
  Q Total (cfs)           1050421.00    Flow (cfs)              855722.00   145094.00   49605.02
  Top Width (ft)           4493.19    Top Width (ft)           3400.00     349.03     744.16
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.86       2.27       1.07
  Max Chl Dpth (ft)         192.78    Hydr. Depth (ft)          135.52     183.30      62.09
  Conv. Total (cfs)       145492100.0    Conv. (cfs)            118524700.0   20096740.0   6870713.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.18     358.31     794.50
  Min Ch El (ft)            567.51    Shear (lb/sq ft)            0.43       0.58       0.19
  Alpha                       1.06    Stream Power (lb/ft s)      0.80       1.32       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25448.60    4140.20    5405.60
  C & E Loss (ft)                     Cum SA (acres)            182.80      23.12      84.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3205.47*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  676.01     500  658.48     650  655.06     700  652.42
     950  635.03    1000  632.87    1100  626.19    1250  620.12    1350  620.12
    1475  615.06    1950  615.06    2025  614.55    2300  609.96    2600  603.62
    3000  601.87    3200  598.46    3400  594.94 3474.71  581.96 3549.42  567.51
 3674.71  567.51 3749.42     600 3820.51  646.51 4081.19  710.16 4175.99  718.57
 4318.18  727.72 4460.37  729.45 4495.91  732.35

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3749.42     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3749.42             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.34    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.29    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       460858.00   64042.03   46291.16
  E.G. Slope (ft/ft)      0.000052    Area (sq ft)            460858.00   64042.03   46291.16
  Q Total (cfs)           1050421.00    Flow (cfs)              855611.90   145166.90   49642.17
  Top Width (ft)           4495.91    Top Width (ft)           3400.00     349.42     746.49
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)            1.86       2.27       1.07
  Max Chl Dpth (ft)         192.78    Hydr. Depth (ft)          135.55     183.28      62.01
  Conv. Total (cfs)       145557500.0    Conv. (cfs)            118562700.0   20115870.0   6878948.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.18     358.68     796.74
  Min Ch El (ft)            567.51    Shear (lb/sq ft)            0.43       0.58       0.19
  Alpha                       1.06    Stream Power (lb/ft s)      0.80       1.32       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25395.81    4132.87    5400.30
  C & E Loss (ft)                     Cum SA (acres)            182.41      23.08      84.00


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3200.49*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.98     500  658.47     650  655.02     700  652.36
     950   634.9    1000  632.73    1100  626.06    1250  620.04    1350  620.04
    1475  615.02    1950  615.02    2025  614.52    2300  609.96    2600  603.65
    3000  601.88    3200  598.49    3400  594.98  3474.9  581.99 3549.81   567.5
  3674.9   567.5 3749.81     600 3821.12   646.7 4082.62  710.17 4177.71  718.62
 4320.34  727.81 4462.98  729.53 4498.64  732.45
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3749.81     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3749.81             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.34    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.29    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       460948.90   64106.64   46374.43
  E.G. Slope (ft/ft)      0.000052    Area (sq ft)            460948.90   64106.64   46374.43
  Q Total (cfs)           1050420.00    Flow (cfs)            855502.90   145242.10   49675.04
  Top Width (ft)           4498.64    Top Width (ft)          3400.00     349.81     748.83
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)           1.86       2.27       1.07
  Max Chl Dpth (ft)         192.79    Hydr. Depth (ft)         135.57     183.26      61.93
  Conv. Total (cfs)       145623800.0    Conv. (cfs)           118601700.0   20135470.0   6886643.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        3482.18     359.06     798.99
  Min Ch El (ft)            567.50    Shear (lb/sq ft)           0.43       0.58       0.19
  Alpha                       1.06    Stream Power (lb/ft s)     0.80       1.31       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25343.01    4125.53    5394.99
  C & E Loss (ft)                     Cum SA (acres)            182.03      23.04      83.92


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3195.51*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.95     500  658.46     650  654.98     700   652.3
     950  634.77    1000   632.6    1100  625.94    1250  619.96    1350  619.96
    1475  614.98    1950  614.98    2025  614.48    2300  609.96    2600  603.68
    3000   601.9    3200  598.51    3400  595.02  3475.1  582.01 3550.19   567.5
  3675.1   567.5 3750.19     600 3821.73  646.88 4084.05  710.17 4179.43  718.67
 4322.51   727.9 4465.59  729.61 4501.36  732.55

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3750.19     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3750.19             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.34    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.29    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       461038.70   64168.25   46461.93
  E.G. Slope (ft/ft)      0.000052    Area (sq ft)            461038.70   64168.25   46461.93
  Q Total (cfs)           1050420.00    Flow (cfs)            855393.80   145310.30   49715.91
  Top Width (ft)           4501.36    Top Width (ft)          3400.00     350.19     751.17
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)           1.86       2.26       1.07
  Max Chl Dpth (ft)         192.79    Hydr. Depth (ft)         135.60     183.24      61.85
  Conv. Total (cfs)       145689600.0    Conv. (cfs)           118640200.0   20154040.0   6895427.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        3482.18     359.43     801.23
  Min Ch El (ft)            567.50    Shear (lb/sq ft)           0.43       0.58       0.19
  Alpha                       1.06    Stream Power (lb/ft s)     0.80       1.31       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25290.20    4118.18    5389.67
  C & E Loss (ft)                     Cum SA (acres)            181.64      23.00      83.83


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3190.53*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.91     500  658.44     650  654.94     700  652.24
     950  634.64    1000  632.46    1100  625.81    1250  619.88    1350  619.88
    1475  614.94    1950  614.94    2025  614.45    2300  609.96    2600  603.71
    3000  601.91    3200  598.54    3400  595.06 3475.29  582.04 3550.58  567.49
 3675.29  567.49 3750.58     600 3822.35  647.06 4085.47  710.17 4181.16  718.72
 4324.68     728  4468.2  729.69 4504.09  732.65

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3750.58     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3750.58             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.34    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.28    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       461134.60   64232.81   46546.82
  E.G. Slope (ft/ft)      0.000052    Area (sq ft)            461134.60   64232.81   46546.82
  Q Total (cfs)           1050420.00    Flow (cfs)            855286.30   145382.70   49751.06
  Top Width (ft)           4504.09    Top Width (ft)          3400.00     350.58     753.51
  Vel Total (ft/s)            1.84    Avg. Vel. (ft/s)           1.85       2.26       1.07
  Max Chl Dpth (ft)         192.79    Hydr. Depth (ft)         135.63     183.22      61.77
  Conv. Total (cfs)       145758500.0    Conv. (cfs)           118681300.0   20173610.0   6903561.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        3482.18     359.81     803.47
  Min Ch El (ft)            567.49    Shear (lb/sq ft)           0.43       0.58       0.19
  Alpha                       1.06    Stream Power (lb/ft s)     0.80       1.31       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25237.38    4110.83    5384.35
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  C & E Loss (ft)                     Cum SA (acres)           181.25      22.96      83.75

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3185.54*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.88     500  658.43     650   654.9     700  652.18
     950  634.51    1000  632.33    1100  625.69    1250  619.81    1350  619.81
    1475   614.9    1950   614.9    2025  614.41    2300  609.96    2600  603.74
    3000  601.93    3200  598.57    3400   595.1 3475.49  582.06 3550.97  567.49
 3675.49  567.49 3750.97     600 3822.96  647.24  4086.9  710.17 4182.88  718.77
 4326.85  728.09 4470.82  729.77 4506.81  732.74

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3750.97     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3750.97             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.34    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.28    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       461219.70   64296.07   46632.38
  E.G. Slope (ft/ft)      0.000052    Area (sq ft)            461219.70   64296.07   46632.38
  Q Total (cfs)          1050420.00    Flow (cfs)             855174.50   145456.50   49789.05
  Top Width (ft)          4506.81    Top Width (ft)           3400.00     350.97     755.84
  Vel Total (ft/s)           1.84    Avg. Vel. (ft/s)            1.85       2.26       1.07
  Max Chl Dpth (ft)        192.79    Hydr. Depth (ft)          135.65     183.20      61.70
  Conv. Total (cfs)      145822400.0    Conv. (cfs)            118717800.0   20192700.0   6911862.0
  Length Wtd. (ft)           4.99    Wetted Per. (ft)         3482.18     360.18     805.72
  Min Ch El (ft)           567.49    Shear (lb/sq ft)            0.43       0.58       0.19
  Alpha                      1.06    Stream Power (lb/ft s)      0.80       1.31       0.20
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    25184.55    4103.46    5379.01
  C & E Loss (ft)                    Cum SA (acres)            180.86      22.92      83.66

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3180.56*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.85     500  658.42     650  654.86     700  652.12
     950  634.37    1000  632.19    1100  625.56    1250  619.73    1350  619.73
    1475  614.86    1950  614.86    2025  614.38    2300  609.96    2600  603.77
    3000  601.94    3200   598.6    3400  595.14 3475.68  582.08 3551.36  567.49
 3675.68  567.49 3751.36     600 3823.57  647.42 4088.33  710.17  4184.6  718.82
 4329.02  728.19 4473.43  729.86 4509.53  732.84

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3751.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3751.36             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.34    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.28    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       461312.10   64359.32   46715.02
  E.G. Slope (ft/ft)      0.000052    Area (sq ft)            461312.10   64359.32   46715.02
  Q Total (cfs)          1050420.00    Flow (cfs)             855070.70   145527.90   49821.45
  Top Width (ft)          4509.53    Top Width (ft)           3400.00     351.36     758.17
  Vel Total (ft/s)           1.84    Avg. Vel. (ft/s)            1.85       2.26       1.07
  Max Chl Dpth (ft)        192.79    Hydr. Depth (ft)          135.68     183.17      61.62
  Conv. Total (cfs)      145888700.0    Conv. (cfs)            118757400.0   20211800.0   6919507.0
  Length Wtd. (ft)           4.99    Wetted Per. (ft)         3482.18     360.56     807.95
  Min Ch El (ft)           567.49    Shear (lb/sq ft)            0.43       0.58       0.19
  Alpha                      1.06    Stream Power (lb/ft s)      0.79       1.31       0.20
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    25131.71    4096.09    5373.66
  C & E Loss (ft)                    Cum SA (acres)            180.47      22.88      83.57

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3175.58*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.82     500  658.41     650  654.82     700  652.06
     950  634.24    1000  632.06    1100  625.44    1250  619.65    1350  619.65
    1475  614.82    1950  614.82    2025  614.34    2300  609.96    2600   603.8
    3000  601.96    3200  598.62    3400  595.18 3475.88  582.11 3551.75  567.48
 3675.88  567.48 3751.75     600 3824.18   647.6 4089.75  710.17 4186.33  718.87
 4331.18  728.28 4476.04  729.94 4512.26  732.94

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
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       0     .15    3400     .15 3751.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3751.75             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.34    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.28    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       461401.60   64423.79   46799.61
  E.G. Slope (ft/ft)      0.000052    Area (sq ft)            461401.60   64423.79   46799.61
  Q Total (cfs)           1050420.00    Flow (cfs)              854960.60   145602.40   49857.00
  Top Width (ft)           4512.26    Top Width (ft)           3400.00     351.75     760.51
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.85       2.26       1.07
  Max Chl Dpth (ft)         192.80    Hydr. Depth (ft)          135.71     183.15      61.54
  Conv. Total (cfs)       145954700.0    Conv. (cfs)            118795800.0   20231290.0   6927575.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.19     360.94     810.20
  Min Ch El (ft)            567.48    Shear (lb/sq ft)            0.43       0.58       0.19
  Alpha                       1.06    Stream Power (lb/ft s)      0.79       1.30       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25078.86    4088.72    5368.31
  C & E Loss (ft)                     Cum SA (acres)            180.08      22.84      83.49


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3170.60*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.79     500   658.4     650  654.79     700  652.01
     950  634.11    1000  631.92    1100  625.32    1250  619.57    1350  619.57
    1475  614.79    1950  614.79    2025  614.31    2300  609.96    2600  603.82
    3000  601.97    3200  598.65    3400  595.21 3476.07  582.13 3552.14  567.48
 3676.07  567.48 3752.14     600 3824.79  647.78 4091.18  710.17 4188.05  718.91
 4333.35  728.38 4478.65  730.02 4514.98  733.04

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3752.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3752.14             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.34    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.28    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       461487.40   64487.35   46883.64
  E.G. Slope (ft/ft)      0.000052    Area (sq ft)            461487.40   64487.35   46883.64
  Q Total (cfs)           1050420.00    Flow (cfs)              854849.80   145677.50   49892.58
  Top Width (ft)           4514.98    Top Width (ft)           3400.00     352.14     762.84
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.85       2.26       1.06
  Max Chl Dpth (ft)         192.80    Hydr. Depth (ft)          135.73     183.13      61.46
  Conv. Total (cfs)       146018800.0    Conv. (cfs)            118832600.0   20250630.0   6935565.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.19     361.31     812.43
  Min Ch El (ft)            567.48    Shear (lb/sq ft)            0.43       0.58       0.19
  Alpha                       1.06    Stream Power (lb/ft s)      0.79       1.30       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25026.00    4081.33    5362.94
  C & E Loss (ft)                     Cum SA (acres)            179.69      22.80      83.40


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3165.62*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.76     500  658.38     650  654.75     700  651.95
     950  633.98    1000  631.79    1100  625.19    1250  619.49    1350  619.49
    1475  614.75    1950  614.75    2025  614.27    2300  609.96    2600  603.85
    3000  601.98    3200  598.68    3400  595.25 3476.26  582.15 3552.53  567.47
 3676.26  567.47 3752.53     600  3825.4  647.96 4092.61  710.18 4189.77  718.96
 4335.52  728.47 4481.27   730.1  4517.7  733.13

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3752.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3752.53             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.34    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.28    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       461581.60   64552.55   46965.91
  E.G. Slope (ft/ft)      0.000052    Area (sq ft)            461581.60   64552.55   46965.91
  Q Total (cfs)           1050420.00    Flow (cfs)              854743.60   145753.00   49923.36
  Top Width (ft)           4517.70    Top Width (ft)           3400.00     352.53     765.17
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.85       2.26       1.06
  Max Chl Dpth (ft)         192.81    Hydr. Depth (ft)          135.76     183.11      61.38
  Conv. Total (cfs)       146086600.0    Conv. (cfs)            118873000.0   20270530.0   6943067.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.19     361.69     814.68
  Min Ch El (ft)            567.47    Shear (lb/sq ft)            0.43       0.58       0.19
  Alpha                       1.06    Stream Power (lb/ft s)      0.79       1.30       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24973.13    4073.94    5357.56
  C & E Loss (ft)                     Cum SA (acres)            179.30      22.76      83.31
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3160.64*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.73     500  658.37     650  654.71     700  651.89
     950  633.85    1000  631.66    1100  625.07    1250  619.42    1350  619.42
    1475  614.71    1950  614.71    2025  614.24    2300  609.96    2600  603.88
    3000     602    3200   598.7    3400  595.29 3476.46  582.18 3552.92  567.47
 3676.46  567.47 3752.92     600 3826.01  648.14 4094.03  710.18  4191.5  719.01
 4337.69  728.57 4483.88  730.18 4520.43  733.23

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3752.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3752.92             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.34    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.28    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       461667.20   64614.99   47048.05
  E.G. Slope (ft/ft)      0.000052    Area (sq ft)            461667.20   64614.99   47048.05
  Q Total (cfs)           1050420.00    Flow (cfs)              854640.10   145824.30   49955.64
  Top Width (ft)           4520.43    Top Width (ft)           3400.00     352.92     767.51
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.85       2.26       1.06
  Max Chl Dpth (ft)         192.81    Hydr. Depth (ft)          135.78     183.09      61.30
  Conv. Total (cfs)       146149500.0    Conv. (cfs)            118909800.0   20289160.0   6950543.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.19     362.07     816.92
  Min Ch El (ft)            567.47    Shear (lb/sq ft)            0.43       0.58       0.19
  Alpha                       1.06    Stream Power (lb/ft s)      0.79       1.30       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24920.25    4066.54    5352.18
  C & E Loss (ft)                     Cum SA (acres)            178.91      22.72      83.22


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3155.66*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.69     500  658.36     650  654.67     700  651.83
     950  633.72    1000  631.52    1100  624.94    1250  619.34    1350  619.34
    1475  614.67    1950  614.67    2025   614.2    2300  609.96    2600  603.91
    3000  602.01    3200  598.73    3400  595.33 3476.65   582.2 3553.31  567.47
 3676.65  567.47 3753.31     600 3826.63  648.32 4095.46  710.18 4193.22  719.06
 4339.85  728.66 4486.49  730.26 4523.15  733.33

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3753.31     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3753.31             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.34    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.28    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       461762.20   64678.16   47131.69
  E.G. Slope (ft/ft)      0.000052    Area (sq ft)            461762.20   64678.16   47131.69
  Q Total (cfs)           1050420.00    Flow (cfs)              854537.10   145893.60   49989.38
  Top Width (ft)           4523.15    Top Width (ft)           3400.00     353.31     769.84
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.85       2.26       1.06
  Max Chl Dpth (ft)         192.81    Hydr. Depth (ft)          135.81     183.06      61.22
  Conv. Total (cfs)       146217200.0    Conv. (cfs)            118950500.0   20308210.0   6958463.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.19     362.45     819.16
  Min Ch El (ft)            567.47    Shear (lb/sq ft)            0.43       0.57       0.19
  Alpha                       1.06    Stream Power (lb/ft s)      0.79       1.30       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24867.36    4059.14    5346.79
  C & E Loss (ft)                     Cum SA (acres)            178.52      22.68      83.14


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3150.68*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.66     500  658.35     650  654.63     700  651.77
     950  633.59    1000  631.39    1100  624.82    1250  619.26    1350  619.26
    1475  614.63    1950  614.63    2025  614.17    2300  609.96    2600  603.94
    3000  602.03    3200  598.76    3400  595.37 3476.85  582.22  3553.7  567.46
 3676.85  567.46  3753.7     600 3827.24   648.5 4096.89  710.18 4194.94  719.11
 4342.02  728.75  4489.1  730.34 4525.88  733.42

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3753.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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          3400  3753.7             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.34    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.06    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.28    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       461848.40   64743.34   47215.07
  E.G. Slope (ft/ft)      0.000052    Area (sq ft)            461848.40   64743.34   47215.07
  Q Total (cfs)           1050420.00    Flow (cfs)              854425.30   145971.80   50022.90
  Top Width (ft)           4525.88    Top Width (ft)           3400.00     353.70     772.18
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.85       2.25       1.06
  Max Chl Dpth (ft)         192.82    Hydr. Depth (ft)          135.84     183.05      61.15
  Conv. Total (cfs)       146281800.0    Conv. (cfs)            118987500.0   20328070.0   6966204.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.19     362.83     821.42
  Min Ch El (ft)            567.46    Shear (lb/sq ft)            0.43       0.57       0.19
  Alpha                       1.06    Stream Power (lb/ft s)      0.79       1.30       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24814.46    4051.73    5341.38
  C & E Loss (ft)                     Cum SA (acres)            178.13      22.64      83.05


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3145.70*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.63     500  658.34     650  654.59     700  651.71
     950  633.46    1000  631.25    1100  624.69    1250  619.18    1350  619.18
    1475  614.59    1950  614.59    2025  614.13    2300  609.96    2600  603.97
    3000  602.04    3200  598.79    3400  595.41 3477.04  582.25 3554.09  567.46
 3677.04  567.46 3754.09     600 3827.85  648.68 4098.31  710.18 4196.66  719.16
 4344.19  728.85 4491.72  730.42  4528.6  733.52

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3754.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3754.09             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.33    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.28    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       461941.00   64805.71   47295.71
  E.G. Slope (ft/ft)      0.000052    Area (sq ft)            461941.00   64805.71   47295.71
  Q Total (cfs)           1050420.00    Flow (cfs)              854328.00   146040.10   50052.02
  Top Width (ft)           4528.60    Top Width (ft)           3400.00     354.09     774.51
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.85       2.25       1.06
  Max Chl Dpth (ft)         192.82    Hydr. Depth (ft)          135.87     183.02      61.07
  Conv. Total (cfs)       146347300.0    Conv. (cfs)            119027200.0   20346690.0   6973380.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.19     363.20     823.65
  Min Ch El (ft)            567.46    Shear (lb/sq ft)            0.43       0.57       0.18
  Alpha                       1.06    Stream Power (lb/ft s)      0.79       1.29       0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24761.54    4044.31    5335.97
  C & E Loss (ft)                     Cum SA (acres)            177.74      22.60      82.96


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3140.72*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175   675.6     500  658.32     650  654.55     700  651.65
     950  633.33    1000  631.12    1100  624.57    1250  619.11    1350  619.11
    1475  614.55    1950  614.55    2025   614.1    2300  609.96    2600  603.99
    3000  602.06    3200  598.81    3400  595.45 3477.24  582.27 3554.47  567.46
 3677.24  567.46 3754.47     600 3828.46  648.86 4099.74  710.18 4198.39  719.21
 4346.36  728.94 4494.33   730.5 4531.32  733.62

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3754.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3754.47             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.33    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.28    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       462031.90   64867.07   47379.13
  E.G. Slope (ft/ft)      0.000051    Area (sq ft)            462031.90   64867.07   47379.13
  Q Total (cfs)           1050420.00    Flow (cfs)              854227.10   146107.00   50085.84
  Top Width (ft)           4531.32    Top Width (ft)           3400.00     354.47     776.85
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.85       2.25       1.06
  Max Chl Dpth (ft)         192.82    Hydr. Depth (ft)          135.89     183.00      60.99
  Conv. Total (cfs)       146412600.0    Conv. (cfs)            119066300.0   20365100.0   6981205.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.19     363.57     825.90
  Min Ch El (ft)            567.46    Shear (lb/sq ft)            0.43       0.57       0.18
  Alpha                       1.06    Stream Power (lb/ft s)      0.79       1.29       0.19
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24708.62    4036.88    5330.55
  C & E Loss (ft)                     Cum SA (acres)            177.35      22.56      82.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3135.74*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.57     500  658.31     650  654.51     700  651.59
     950   633.2    1000  630.98    1100  624.44    1250  619.03    1350  619.03
    1475  614.51    1950  614.51    2025  614.06    2300  609.96    2600  604.02
    3000  602.07    3200  598.84    3400  595.49 3477.43  582.29 3554.86  567.45
 3677.43  567.45 3754.86     600 3829.07  649.04 4101.17  710.18 4200.11  719.26
 4348.53  729.04 4496.94  730.59 4534.05  733.72

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3754.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3754.86             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.33    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.28    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       462124.80   64932.23   47458.79
  E.G. Slope (ft/ft)      0.000051    Area (sq ft)            462124.80   64932.23   47458.79
  Q Total (cfs)           1050420.00    Flow (cfs)             854124.50   146183.00   50112.50
  Top Width (ft)           4534.05    Top Width (ft)           3400.00     354.86     779.19
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.85       2.25       1.06
  Max Chl Dpth (ft)         192.83    Hydr. Depth (ft)          135.92     182.98      60.91
  Conv. Total (cfs)       146479200.0    Conv. (cfs)            119106200.0   20384960.0   6988100.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.19     363.95     828.15
  Min Ch El (ft)            567.45    Shear (lb/sq ft)            0.43       0.57       0.18
  Alpha                       1.06    Stream Power (lb/ft s)      0.79       1.29       0.19
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24655.69    4029.44    5325.11
  C & E Loss (ft)                     Cum SA (acres)            176.96      22.51      82.78


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3130.76*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.54     500   658.3     650  654.47     700  651.53
     950  633.06    1000  630.85    1100  624.32    1250  618.95    1350  618.95
    1475  614.47    1950  614.47    2025  614.03    2300  609.96    2600  604.05
    3000  602.09    3200  598.87    3400  595.53 3477.63  582.32 3555.25  567.45
 3677.63  567.45 3755.25     600 3829.68  649.22 4102.59  710.18 4201.83  719.31
 4350.69  729.13 4499.55  730.67 4536.77  733.81

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3755.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3755.25             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.33    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.28    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       462212.20   64994.52   47539.92
  E.G. Slope (ft/ft)      0.000051    Area (sq ft)            462212.20   64994.52   47539.92
  Q Total (cfs)           1050420.00    Flow (cfs)             854024.30   146252.80   50142.93
  Top Width (ft)           4536.77    Top Width (ft)           3400.00     355.25     781.52
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.85       2.25       1.05
  Max Chl Dpth (ft)         192.83    Hydr. Depth (ft)          135.94     182.95      60.83
  Conv. Total (cfs)       146542500.0    Conv. (cfs)            119143600.0   20403510.0   6995365.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.19     364.33     830.40
  Min Ch El (ft)            567.45    Shear (lb/sq ft)            0.43       0.57       0.18
  Alpha                       1.06    Stream Power (lb/ft s)      0.79       1.29       0.19
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24602.74    4022.00    5319.67
  C & E Loss (ft)                     Cum SA (acres)            176.57      22.47      82.69


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3125.78*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.51     500  658.29     650  654.44     700  651.47
     950  632.93    1000  630.71    1100  624.19    1250  618.87    1350  618.87
    1475  614.44    1950  614.44    2025  613.99    2300  609.96    2600  604.08
    3000   602.1    3200  598.89    3400  595.56 3477.82  582.34 3555.64  567.44
 3677.82  567.44 3755.64     600 3830.29  649.41 4104.02  710.19 4203.56  719.36
 4352.86  729.23 4502.17  730.75 4539.49  733.91

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3755.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3755.64             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
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  E.G. Elev (ft)            760.33    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.28    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       462301.00   65059.95   47615.95
  E.G. Slope (ft/ft)      0.000051    Area (sq ft)            462301.00   65059.95   47615.95
  Q Total (cfs)           1050419.00    Flow (cfs)              853922.40   146332.40   50164.20
  Top Width (ft)           4539.49    Top Width (ft)           3400.00     355.64     783.85
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.85       2.25       1.05
  Max Chl Dpth (ft)         192.84    Hydr. Depth (ft)          135.97     182.94      60.75
  Conv. Total (cfs)       146606800.0    Conv. (cfs)            119181800.0   20423580.0   7001407.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.20     364.71     832.64
  Min Ch El (ft)            567.44    Shear (lb/sq ft)            0.43       0.57       0.18
  Alpha                       1.06    Stream Power (lb/ft s)      0.79       1.29       0.19
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24549.79    4014.55    5314.22
  C & E Loss (ft)                     Cum SA (acres)            176.18      22.43      82.60


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3120.80*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.47     500  658.28     650   654.4     700  651.41
     950   632.8    1000  630.58    1100  624.07    1250  618.79    1350  618.79
    1475   614.4    1950   614.4    2025  613.96    2300  609.96    2600  604.11
    3000  602.12    3200  598.92    3400   595.6 3478.02  582.36 3556.03  567.44
 3678.02  567.44 3756.03     600 3830.91  649.59 4105.45  710.19 4205.28  719.41
 4355.03  729.32 4504.78  730.83 4542.22  734.01

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3756.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3756.03             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.33    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.28    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       462389.40   65123.05   47697.39
  E.G. Slope (ft/ft)      0.000051    Area (sq ft)            462389.40   65123.05   47697.39
  Q Total (cfs)           1050419.00    Flow (cfs)              853820.00   146404.10   50194.89
  Top Width (ft)           4542.22    Top Width (ft)           3400.00     356.03     786.19
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.85       2.25       1.05
  Max Chl Dpth (ft)         192.84    Hydr. Depth (ft)          136.00     182.91      60.67
  Conv. Total (cfs)       146671100.0    Conv. (cfs)            119219700.0   20442550.0   7008763.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.20     365.08     834.89
  Min Ch El (ft)            567.44    Shear (lb/sq ft)            0.43       0.57       0.18
  Alpha                       1.06    Stream Power (lb/ft s)      0.79       1.28       0.19
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24496.83    4007.10    5308.76
  C & E Loss (ft)                     Cum SA (acres)            175.79      22.39      82.51


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3115.82*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.44     500  658.26     650  654.36     700  651.35
     950  632.67    1000  630.44    1100  623.95    1250  618.72    1350  618.72
    1475  614.36    1950  614.36    2025  613.92    2300  609.96    2600  604.14
    3000  602.13    3200  598.95    3400  595.64 3478.21  582.39 3556.42  567.44
 3678.21  567.44 3756.42     600 3831.52  649.77 4106.87  710.19    4207  719.46
  4357.2  729.42 4507.39  730.91 4544.94  734.11

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3756.42     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3756.42             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.33    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.28    Reach Len. (ft)              4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       462480.80   65185.27   47775.80
  E.G. Slope (ft/ft)      0.000051    Area (sq ft)            462480.80   65185.27   47775.80
  Q Total (cfs)           1050419.00    Flow (cfs)              853725.90   146472.50   50220.56
  Top Width (ft)           4544.94    Top Width (ft)           3400.00     356.42     788.52
  Vel Total (ft/s)            1.83    Avg. Vel. (ft/s)            1.85       2.25       1.05
  Max Chl Dpth (ft)         192.84    Hydr. Depth (ft)          136.02     182.89      60.59
  Conv. Total (cfs)       146735500.0    Conv. (cfs)            119259000.0   20461080.0   7015427.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.20     365.46     837.13
  Min Ch El (ft)            567.44    Shear (lb/sq ft)            0.42       0.57       0.18
  Alpha                       1.06    Stream Power (lb/ft s)      0.78       1.28       0.19
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24443.85    3999.63    5303.29
  C & E Loss (ft)                     Cum SA (acres)            175.40      22.35      82.42


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
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REACH: LOWER PALUXY       RS: 3110.84*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.41     500  658.25     650  654.32     700  651.29
     950  632.54    1000  630.31    1100  623.82    1250  618.64    1350  618.64
    1475  614.32    1950  614.32    2025  613.89    2300  609.96    2600  604.17
    3000  602.15    3200  598.98    3400  595.68  3478.4  582.41 3556.81  567.43
  3678.4  567.43 3756.81     600 3832.13  649.95  4108.3  710.19 4208.73  719.51
 4359.37  729.51    4510  730.99 4547.67   734.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3756.81     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3756.81             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.33    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.28    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       462568.30   65250.34   47856.29
  E.G. Slope (ft/ft)      0.000051    Area (sq ft)            462568.30   65250.34   47856.29
  Q Total (cfs)           1050419.00    Flow (cfs)              853619.90   146549.90   50249.14
  Top Width (ft)           4547.67    Top Width (ft)           3400.00     356.81     790.86
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.85       2.25       1.05
  Max Chl Dpth (ft)         192.85    Hydr. Depth (ft)          136.05     182.87      60.51
  Conv. Total (cfs)       146799900.0    Conv. (cfs)            119296500.0   20480890.0   7022502.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.20     365.84     839.39
  Min Ch El (ft)            567.43    Shear (lb/sq ft)            0.42       0.57       0.18
  Alpha                       1.06    Stream Power (lb/ft s)      0.78       1.28       0.19
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24390.87    3992.16    5297.82
  C & E Loss (ft)                     Cum SA (acres)            175.01      22.31      82.33


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3105.86*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.38     500  658.24     650  654.28     700  651.23
     950  632.41    1000  630.17    1100   623.7    1250  618.56    1350  618.56
    1475  614.28    1950  614.28    2025  613.85    2300  609.96    2600  604.19
    3000  602.16    3200     599    3400  595.72  3478.6  582.43  3557.2  567.43
  3678.6  567.43  3757.2     600 3832.74  650.13 4109.73  710.19 4210.45  719.56
 4361.53  729.61 4512.62  731.07 4550.39   734.3

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3757.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400  3757.2             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.33    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.27    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       462665.10   65313.33   47934.29
  E.G. Slope (ft/ft)      0.000051    Area (sq ft)            462665.10   65313.33   47934.29
  Q Total (cfs)           1050419.00    Flow (cfs)              853527.60   146618.20   50273.22
  Top Width (ft)           4550.39    Top Width (ft)           3400.00     357.20     793.19
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.84       2.24       1.05
  Max Chl Dpth (ft)         192.84    Hydr. Depth (ft)          136.08     182.85      60.43
  Conv. Total (cfs)       146867000.0    Conv. (cfs)            119338100.0   20499790.0   7029077.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.20     366.22     841.64
  Min Ch El (ft)            567.43    Shear (lb/sq ft)            0.42       0.57       0.18
  Alpha                       1.06    Stream Power (lb/ft s)      0.78       1.28       0.19
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24337.88    3984.68    5292.33
  C & E Loss (ft)                     Cum SA (acres)            174.62      22.27      82.24


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3100.88*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.35     500  658.23     650  654.24     700  651.17
     950  632.28    1000  630.04    1100  623.57    1250  618.48    1350  618.48
    1475  614.24    1950  614.24    2025  613.82    2300  609.96    2600  604.22
    3000  602.18    3200  599.03    3400  595.76 3478.79  582.46 3557.59  567.42
 3678.79  567.42 3757.59     600 3833.35  650.31 4111.15  710.19 4212.17  719.61
  4363.7   729.7 4515.23  731.15 4553.11   734.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3757.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3757.59             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.33    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
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  W.S. Elev (ft)            760.27    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       462751.60   65377.49   48012.96
  E.G. Slope (ft/ft)      0.000051    Area (sq ft)            462751.60   65377.49   48012.96
  Q Total (cfs)           1050419.00    Flow (cfs)              853425.90   146693.20   50299.85
  Top Width (ft)           4553.11    Top Width (ft)           3400.00     357.59     795.52
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.84       2.24       1.05
  Max Chl Dpth (ft)         192.85    Hydr. Depth (ft)          136.10     182.83      60.35
  Conv. Total (cfs)       146930200.0    Conv. (cfs)            119375300.0   20519110.0   7035829.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.20     366.60     843.88
  Min Ch El (ft)            567.42    Shear (lb/sq ft)            0.42       0.57       0.18
  Alpha                       1.06    Stream Power (lb/ft s)      0.78       1.28       0.19
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24284.87    3977.20    5286.83
  C & E Loss (ft)                     Cum SA (acres)            174.24      22.23      82.15


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3095.9*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.32     500  658.22     650   654.2     700  651.11
     950  632.15    1000   629.9    1100  623.45    1250   618.4    1350   618.4
    1475   614.2    1950   614.2    2025  613.78    2300  609.96    2600  604.25
    3000  602.19    3200  599.06    3400   595.8 3478.99  582.48 3557.98  567.42
 3678.99  567.42 3757.98     600 3833.96  650.49 4112.58  710.19  4213.9  719.66
 4365.87  729.79 4517.84  731.24 4555.84  734.49

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3757.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3757.98             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.33    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.27    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       462843.30   65440.49   48091.48
  E.G. Slope (ft/ft)      0.000051    Area (sq ft)            462843.30   65440.49   48091.48
  Q Total (cfs)           1050419.00    Flow (cfs)              853330.60   146763.50   50324.90
  Top Width (ft)           4555.84    Top Width (ft)           3400.00     357.98     797.86
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.84       2.24       1.05
  Max Chl Dpth (ft)         192.85    Hydr. Depth (ft)          136.13     182.80      60.28
  Conv. Total (cfs)       146995100.0    Conv. (cfs)            119414700.0   20538020.0   7042443.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.21     366.97     846.14
  Min Ch El (ft)            567.42    Shear (lb/sq ft)            0.42       0.57       0.18
  Alpha                       1.06    Stream Power (lb/ft s)      0.78       1.27       0.19
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24231.85    3969.71    5281.33
  C & E Loss (ft)                     Cum SA (acres)            173.85      22.19      82.06


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3090.91*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.29     500   658.2     650  654.16     700  651.05
     950  632.02    1000  629.77    1100  623.32    1250  618.33    1350  618.33
    1475  614.16    1950  614.16    2025  613.75    2300  609.96    2600  604.28
    3000   602.2    3200  599.09    3400  595.84 3479.18   582.5 3558.37  567.42
 3679.18  567.42 3758.37     600 3834.57  650.67 4114.01  710.19 4215.62  719.71
 4368.04  729.89 4520.46  731.32 4558.56  734.59

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3758.37     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3758.37             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.33    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.27    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       462933.40   65503.45   48168.37
  E.G. Slope (ft/ft)      0.000051    Area (sq ft)            462933.40   65503.45   48168.37
  Q Total (cfs)           1050419.00    Flow (cfs)              853236.00   146834.80   50348.18
  Top Width (ft)           4558.56    Top Width (ft)           3400.00     358.37     800.19
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.84       2.24       1.05
  Max Chl Dpth (ft)         192.85    Hydr. Depth (ft)          136.16     182.78      60.20
  Conv. Total (cfs)       147059000.0    Conv. (cfs)            119453400.0   20556930.0   7048764.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.21     367.35     848.38
  Min Ch El (ft)            567.42    Shear (lb/sq ft)            0.42       0.57       0.18
  Alpha                       1.06    Stream Power (lb/ft s)      0.78       1.27       0.19
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24178.83    3962.21    5275.82
  C & E Loss (ft)                     Cum SA (acres)            173.46      22.15      81.97


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3085.93*

INPUT
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Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.25     500  658.19     650  654.12     700  650.99
     950  631.89    1000  629.63    1100   623.2    1250  618.25    1350  618.25
    1475  614.12    1950  614.12    2025  613.71    2300  609.96    2600  604.31
    3000  602.22    3200  599.11    3400  595.88 3479.38  582.53 3558.75  567.41
 3679.38  567.41 3758.75     600 3835.19  650.85 4115.43   710.2 4217.34  719.76
 4370.21  729.98 4523.07   731.4 4561.28  734.69

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3758.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3758.75             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.33    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.27    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       463026.30   65565.88   48246.08
  E.G. Slope (ft/ft)      0.000051    Area (sq ft)            463026.30   65565.88   48246.08
  Q Total (cfs)           1050419.00    Flow (cfs)              853143.30   146903.50   50372.22
  Top Width (ft)           4561.28    Top Width (ft)           3400.00     358.75     802.53
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.84       2.24       1.04
  Max Chl Dpth (ft)         192.86    Hydr. Depth (ft)          136.18     182.76      60.12
  Conv. Total (cfs)       147124100.0    Conv. (cfs)            119493200.0   20575650.0   7055251.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.21     367.72     850.63
  Min Ch El (ft)            567.41    Shear (lb/sq ft)            0.42       0.57       0.18
  Alpha                       1.06    Stream Power (lb/ft s)      0.78       1.27       0.19
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24125.79    3954.70    5270.29
  C & E Loss (ft)                     Cum SA (acres)            173.07      22.11      81.88


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3080.95*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.22     500  658.18     650  654.09     700  650.93
     950  631.75    1000  629.5    1100  623.07    1250  618.17    1350  618.17
    1475  614.09    1950  614.09    2025  613.68    2300  609.96    2600  604.34
    3000  602.23    3200  599.14    3400  595.91 3479.57  582.55 3559.14  567.41
 3679.57  567.41 3759.14     600  3835.8  651.03 4116.86   710.2 4219.07  719.81
 4372.37  730.08 4525.68  731.48 4564.01  734.79

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3759.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3759.14             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.33    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.27    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       463112.20   65629.20   48322.60
  E.G. Slope (ft/ft)      0.000051    Area (sq ft)            463112.20   65629.20   48322.60
  Q Total (cfs)           1050419.00    Flow (cfs)              853045.80   146978.10   50395.08
  Top Width (ft)           4564.01    Top Width (ft)           3400.00     359.14     804.87
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.84       2.24       1.04
  Max Chl Dpth (ft)         192.86    Hydr. Depth (ft)          136.21     182.74      60.04
  Conv. Total (cfs)       147186400.0    Conv. (cfs)            119530200.0   20594810.0   7061440.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.21     368.10     852.89
  Min Ch El (ft)            567.41    Shear (lb/sq ft)            0.42       0.57       0.18
  Alpha                       1.06    Stream Power (lb/ft s)      0.78       1.27       0.19
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24072.74    3947.18    5264.76
  C & E Loss (ft)                     Cum SA (acres)            172.68      22.06      81.78


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3075.97*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.19     500  658.17     650  654.05     700  650.87
     950  631.62    1000  629.36    1100  622.95    1250  618.09    1350  618.09
    1475  614.05    1950  614.05    2025  613.64    2300  609.96    2600  604.37
    3000  602.25    3200  599.17    3400  595.95 3479.77  582.57 3559.53   567.4
 3679.77   567.4 3759.53     600 3836.41  651.21 4118.29   710.2 4220.79  719.85
 4374.54  730.17 4528.29  731.56 4566.73  734.88

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3759.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3759.53             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.33    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.27    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       463200.50   65694.12   48401.38
  E.G. Slope (ft/ft)      0.000051    Area (sq ft)            463200.50   65694.12   48401.38
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  Q Total (cfs)           1050419.00    Flow (cfs)              852943.50   147054.20   50421.22
  Top Width (ft)           4566.73    Top Width (ft)           3400.00     359.53     807.20
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.84       2.24       1.04
  Max Chl Dpth (ft)         192.87    Hydr. Depth (ft)          136.24     182.72      59.96
  Conv. Total (cfs)       147250800.0    Conv. (cfs)            119568100.0   20614490.0   7068195.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.21     368.48     855.14
  Min Ch El (ft)            567.40    Shear (lb/sq ft)            0.42       0.57       0.18
  Alpha                       1.06    Stream Power (lb/ft s)      0.78       1.27       0.19
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24019.69    3939.66    5259.22
  C & E Loss (ft)                     Cum SA (acres)            172.29      22.02      81.69


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3070.99*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.16     500  658.16     650  654.01     700  650.81
     950  631.49    1000  629.23    1100  622.82    1250  618.02    1350  618.02
    1475  614.01    1950  614.01    2025  613.61    2300  609.97    2600  604.39
    3000  602.26    3200  599.19    3400  595.99 3479.96   582.6 3559.92   567.4
 3679.96   567.4 3759.92     600 3837.02  651.39 4119.71   710.2 4222.51   719.9
 4376.71  730.27 4530.91  731.64 4569.45  734.98

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3759.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3759.92             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.33    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.27    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       463291.30   65756.21   48476.59
  E.G. Slope (ft/ft)      0.000051    Area (sq ft)            463291.30   65756.21   48476.59
  Q Total (cfs)           1050419.00    Flow (cfs)              852854.60   147122.50   50441.86
  Top Width (ft)           4569.45    Top Width (ft)           3400.00     359.92     809.53
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.84       2.24       1.04
  Max Chl Dpth (ft)         192.87    Hydr. Depth (ft)          136.26     182.70      59.88
  Conv. Total (cfs)       147314200.0    Conv. (cfs)            119607100.0   20632940.0   7074129.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.22     368.86     857.39
  Min Ch El (ft)            567.40    Shear (lb/sq ft)            0.42       0.57       0.18
  Alpha                       1.06    Stream Power (lb/ft s)      0.78       1.27       0.19
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23966.62    3932.13    5253.67
  C & E Loss (ft)                     Cum SA (acres)            171.90      21.98      81.60


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3066.01*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.13     500  658.14     650  653.97     700  650.75
     950  631.36    1000  629.09    1100   622.7    1250  617.94    1350  617.94
    1475  613.97    1950  613.97    2025  613.57    2300  609.97    2600  604.42
    3000  602.28    3200  599.22    3400  596.03 3480.16  582.62 3560.31   567.4
 3680.16   567.4 3760.31     600 3837.63  651.57 4121.14   710.2 4224.24  719.95
 4378.88  730.36 4533.52  731.72 4572.18  735.08

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3760.31     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3760.31             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.32    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.27    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       463381.90   65819.10   48553.54
  E.G. Slope (ft/ft)      0.000051    Area (sq ft)            463381.90   65819.10   48553.54
  Q Total (cfs)           1050419.00    Flow (cfs)              852761.30   147192.70   50464.95
  Top Width (ft)           4572.18    Top Width (ft)           3400.00     360.31     811.87
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.84       2.24       1.04
  Max Chl Dpth (ft)         192.87    Hydr. Depth (ft)          136.29     182.67      59.80
  Conv. Total (cfs)       147378300.0    Conv. (cfs)            119646100.0   20651770.0   7080449.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.22     369.23     859.64
  Min Ch El (ft)            567.40    Shear (lb/sq ft)            0.42       0.57       0.18
  Alpha                       1.06    Stream Power (lb/ft s)      0.78       1.26       0.19
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23913.54    3924.60    5248.12
  C & E Loss (ft)                     Cum SA (acres)            171.51      21.94      81.51


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3061.03*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
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       0     680     175   675.1     500  658.13     650  653.93     700  650.69
     950  631.23    1000  628.96    1100  622.58    1250  617.86    1350  617.86
    1475  613.93    1950  613.93    2025  613.54    2300  609.97    2600  604.45
    3000  602.29    3200  599.25    3400  596.07 3480.35  582.64  3560.7  567.39
 3680.35  567.39  3760.7     600 3838.24  651.75 4122.57   710.2 4225.96     720
 4381.04  730.46 4536.13   731.8  4574.9  735.18

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3760.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400  3760.7             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.32    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.27    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       463470.80   65883.93   48628.16
  E.G. Slope (ft/ft)      0.000051    Area (sq ft)            463470.80   65883.93   48628.16
  Q Total (cfs)           1050419.00    Flow (cfs)              852665.10   147269.30   50484.55
  Top Width (ft)           4574.90    Top Width (ft)           3400.00     360.70     814.20
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.84       2.24       1.04
  Max Chl Dpth (ft)         192.88    Hydr. Depth (ft)          136.31     182.66      59.73
  Conv. Total (cfs)       147441900.0    Conv. (cfs)            119684200.0   20671430.0   7086257.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.22     369.61     861.89
  Min Ch El (ft)            567.39    Shear (lb/sq ft)            0.42       0.56       0.18
  Alpha                       1.06    Stream Power (lb/ft s)      0.78       1.26       0.19
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23860.46    3917.05    5242.55
  C & E Loss (ft)                     Cum SA (acres)            171.12      21.90      81.41


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3056.05*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.07     500  658.12     650  653.89     700  650.63
     950   631.1    1000  628.82    1100  622.45    1250  617.78    1350  617.78
    1475  613.89    1950  613.89    2025   613.5    2300  609.97    2600  604.48
    3000  602.31    3200  599.28    3400  596.11 3480.54  582.67 3561.09  567.39
 3680.54  567.39 3761.09     600 3838.85  651.93 4123.99   710.2 4227.68  720.05
 4383.21  730.55 4538.74  731.88 4577.63  735.27

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3761.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3761.09             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.32    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.27    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       463560.30   65945.97   48704.15
  E.G. Slope (ft/ft)      0.000051    Area (sq ft)            463560.30   65945.97   48704.15
  Q Total (cfs)           1050419.00    Flow (cfs)              852575.40   147337.50   50506.07
  Top Width (ft)           4577.63    Top Width (ft)           3400.00     361.09     816.54
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.84       2.23       1.04
  Max Chl Dpth (ft)         192.88    Hydr. Depth (ft)          136.34     182.63      59.65
  Conv. Total (cfs)       147504800.0    Conv. (cfs)            119722700.0   20689830.0   7092304.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.22     369.99     864.15
  Min Ch El (ft)            567.39    Shear (lb/sq ft)            0.42       0.56       0.18
  Alpha                       1.06    Stream Power (lb/ft s)      0.78       1.26       0.19
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23807.36    3909.50    5236.97
  C & E Loss (ft)                     Cum SA (acres)            170.73      21.86      81.32


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3051.07*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  675.03     500  658.11     650  653.85     700  650.57
     950  630.97    1000  628.69    1100  622.33    1250   617.7    1350   617.7
    1475  613.85    1950  613.85    2025  613.47    2300  609.97    2600  604.51
    3000  602.32    3200   599.3    3400  596.15 3480.74  582.69 3561.48  567.39
 3680.74  567.39 3761.48     600 3839.47  652.12 4125.42   710.2  4229.4   720.1
 4385.38  730.64 4541.36  731.97 4580.35  735.37

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3761.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3761.48             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.32    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.27    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       463653.60   66008.77   48777.44
  E.G. Slope (ft/ft)      0.000051    Area (sq ft)            463653.60   66008.77   48777.44
  Q Total (cfs)           1050419.00    Flow (cfs)              852488.90   147406.90   50523.12
  Top Width (ft)           4580.35    Top Width (ft)           3400.00     361.48     818.87
  Vel Total (ft/s)            1.82    Avg. Vel. (ft/s)            1.84       2.23       1.04
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  Max Chl Dpth (ft)          192.88    Hydr. Depth (ft)          136.37     182.61      59.57
  Conv. Total (cfs)        147569200.0    Conv. (cfs)            119762800.0   20708620.0   7097796.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)         3482.23     370.37     866.40
  Min Ch El (ft)             567.39    Shear (lb/sq ft)            0.42       0.56       0.18
  Alpha                        1.06    Stream Power (lb/ft s)      0.77       1.26       0.18
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    23754.25    3901.94    5231.39
  C & E Loss (ft)                      Cum SA (acres)            170.34      21.82      81.23


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3046.09*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175     675     500   658.1     650  653.81     700  650.51
     950  630.84    1000  628.55    1100   622.2    1250  617.63    1350  617.63
    1475  613.81    1950  613.81    2025  613.43    2300  609.97    2600  604.54
    3000  602.34    3200  599.33    3400  596.19 3480.93  582.71 3561.87  567.38
 3680.93  567.38 3761.87     600 3840.08   652.3 4126.85  710.21 4231.13  720.15
 4387.55  730.74 4543.97  732.05 4583.07  735.47

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3761.87     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3761.87             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)             760.32    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             760.27    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                       Flow Area (sq ft)       463740.70   66073.59   48849.13
  E.G. Slope (ft/ft)       0.000051    Area (sq ft)            463740.70   66073.59   48849.13
  Q Total (cfs)            1050418.00    Flow (cfs)              852395.40  147484.40   50538.19
  Top Width (ft)            4583.07    Top Width (ft)           3400.00     361.87     821.20
  Vel Total (ft/s)             1.82    Avg. Vel. (ft/s)            1.84       2.23       1.03
  Max Chl Dpth (ft)          192.89    Hydr. Depth (ft)          136.39     182.59      59.49
  Conv. Total (cfs)        147631500.0    Conv. (cfs)            119800300.0   20728260.0   7102912.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)         3482.23     370.75     868.65
  Min Ch El (ft)             567.38    Shear (lb/sq ft)            0.42       0.56       0.18
  Alpha                        1.06    Stream Power (lb/ft s)      0.77       1.26       0.18
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    23701.13    3894.38    5225.80
  C & E Loss (ft)                      Cum SA (acres)            169.95      21.78      81.13


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3041.11*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.97     500  658.08     650  653.77     700  650.45
     950  630.71    1000  628.42    1100  622.08    1250  617.55    1350  617.55
    1475  613.77    1950  613.77    2025   613.4    2300  609.97    2600  604.57
    3000  602.35    3200  599.36    3400  596.23 3481.13  582.74 3562.26  567.38
 3681.13  567.38 3762.26     600 3840.69  652.48 4128.27  710.21 4232.85   720.2
 4389.72  730.83 4546.58  732.13  4585.8  735.56

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3762.26     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3762.26             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)             760.32    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             760.27    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                       Flow Area (sq ft)       463832.30   66135.59   48924.12
  E.G. Slope (ft/ft)       0.000051    Area (sq ft)            463832.30   66135.59   48924.12
  Q Total (cfs)            1050418.00    Flow (cfs)              852308.60  147551.50   50557.84
  Top Width (ft)            4585.80    Top Width (ft)           3400.00     362.26     823.54
  Vel Total (ft/s)             1.81    Avg. Vel. (ft/s)            1.84       2.23       1.03
  Max Chl Dpth (ft)          192.89    Hydr. Depth (ft)          136.42     182.56      59.41
  Conv. Total (cfs)        147695000.0    Conv. (cfs)            119839700.0   20746620.0   7108733.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)         3482.23     371.13     870.91
  Min Ch El (ft)             567.38    Shear (lb/sq ft)            0.42       0.56       0.18
  Alpha                        1.06    Stream Power (lb/ft s)      0.77       1.26       0.18
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    23648.00    3886.81    5220.20
  C & E Loss (ft)                      Cum SA (acres)            169.56      21.73      81.04


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3036.13*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.94     500  658.07     650  653.74     700  650.39
     950  630.58    1000  628.28    1100  621.95    1250  617.47    1350  617.47
    1475  613.74    1950  613.74    2025  613.36    2300  609.97    2600  604.59
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    3000  602.37    3200  599.39    3400  596.26 3481.32  582.76 3562.65  567.37
 3681.32  567.37 3762.65     600  3841.3  652.66  4129.7  710.21 4234.57  720.25
 4391.88  730.93 4549.19  732.21 4588.52  735.66

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3762.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3762.65             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.32    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.27    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       463919.60   66200.73   48996.92
  E.G. Slope (ft/ft)      0.000051    Area (sq ft)            463919.60   66200.73   48996.92
  Q Total (cfs)           1050418.00    Flow (cfs)              852213.10   147630.20   50574.75
  Top Width (ft)           4588.52    Top Width (ft)           3400.00     362.65     825.87
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.84       2.23       1.03
  Max Chl Dpth (ft)         192.90    Hydr. Depth (ft)          136.45     182.55      59.33
  Conv. Total (cfs)       147757800.0    Conv. (cfs)            119877200.0   20766500.0   7114133.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.23     371.51     873.16
  Min Ch El (ft)            567.37    Shear (lb/sq ft)            0.42       0.56       0.18
  Alpha                       1.06    Stream Power (lb/ft s)      0.77       1.25       0.18
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23594.86    3879.23    5214.59
  C & E Loss (ft)                     Cum SA (acres)            169.17      21.69      80.94


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3031.15*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.91     500  658.06     650   653.7     700  650.33
     950  630.44    1000  628.15    1100  621.83    1250  617.39    1350  617.39
    1475   613.7    1950   613.7    2025  613.33    2300  609.97    2600  604.62
    3000  602.38    3200  599.41    3400   596.3 3481.52  582.78 3563.03  567.37
 3681.52  567.37 3763.03     600 3841.91  652.84 4131.13  710.21  4236.3   720.3
 4394.05  731.02 4551.81  732.29 4591.24  735.76

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3763.03     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3763.03             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.32    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.27    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       464012.20   66261.84   49072.43
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            464012.20   66261.84   49072.43
  Q Total (cfs)           1050418.00    Flow (cfs)              852126.80   147695.70   50595.62
  Top Width (ft)           4591.24    Top Width (ft)           3400.00     363.03     828.21
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.84       2.23       1.03
  Max Chl Dpth (ft)         192.90    Hydr. Depth (ft)          136.47     182.52      59.25
  Conv. Total (cfs)       147821800.0    Conv. (cfs)            119917000.0   20784720.0   7120154.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.24     371.88     875.42
  Min Ch El (ft)            567.37    Shear (lb/sq ft)            0.42       0.56       0.18
  Alpha                       1.06    Stream Power (lb/ft s)      0.77       1.25       0.18
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23541.71    3871.64    5208.97
  C & E Loss (ft)                     Cum SA (acres)            168.78      21.65      80.85


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3026.17*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.88     500  658.05     650  653.66     700  650.27
     950  630.31    1000  628.01    1100   621.7    1250  617.32    1350  617.32
    1475  613.66    1950  613.66    2025  613.29    2300  609.97    2600  604.65
    3000   602.4    3200  599.44    3400  596.34 3481.71  582.81 3563.42  567.37
 3681.71  567.37 3763.42     600 3842.52  653.02 4132.55  710.21 4238.02  720.35
 4396.22  731.12 4554.42  732.37 4593.97  735.86

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3763.42     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3763.42             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.32    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.27    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       464099.40   66323.73   49144.47
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            464099.40   66323.73   49144.47
  Q Total (cfs)           1050418.00    Flow (cfs)              852041.60   147764.90   50611.54
  Top Width (ft)           4593.97    Top Width (ft)           3400.00     363.42     830.55
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.84       2.23       1.03
  Max Chl Dpth (ft)         192.90    Hydr. Depth (ft)          136.50     182.50      59.17
  Conv. Total (cfs)       147882800.0    Conv. (cfs)            119954500.0   20803040.0   7125332.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.24     372.25     877.68
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  Min Ch El (ft)            567.37    Shear (lb/sq ft)            0.42       0.56       0.18
  Alpha                       1.06    Stream Power (lb/ft s)      0.77       1.25       0.18
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23488.55    3864.04    5203.35
  C & E Loss (ft)                     Cum SA (acres)            168.39      21.61      80.75


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3021.19*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.85     500  658.04     650  653.62     700  650.22
     950  630.18    1000  627.88    1100  621.58    1250  617.24    1350  617.24
    1475  613.62    1950  613.62    2025  613.26    2300  609.97    2600  604.68
    3000  602.41    3200  599.47    3400  596.38 3481.91  582.83 3563.81  567.36
 3681.91  567.36 3763.81     600 3843.14   653.2 4133.98  710.21 4239.74   720.4
 4398.39  731.21 4557.03  732.45 4596.69  735.95

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3763.81     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3763.81             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.32    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.26    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       464186.60   66388.48   49218.48
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            464186.60   66388.48   49218.48
  Q Total (cfs)           1050418.00    Flow (cfs)              851946.40   147841.20   50630.39
  Top Width (ft)           4596.69    Top Width (ft)           3400.00     363.81     832.88
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.84       2.23       1.03
  Max Chl Dpth (ft)         192.90    Hydr. Depth (ft)          136.53     182.48      59.09
  Conv. Total (cfs)       147945600.0    Conv. (cfs)            119992000.0   20822620.0   7131013.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.24     372.64     879.93
  Min Ch El (ft)            567.36    Shear (lb/sq ft)            0.42       0.56       0.18
  Alpha                       1.06    Stream Power (lb/ft s)      0.77       1.25       0.18
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23435.38    3856.44    5197.71
  C & E Loss (ft)                     Cum SA (acres)            168.00      21.57      80.66


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3016.21*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.81     500  658.02     650  653.58     700  650.16
     950  630.05    1000  627.74    1100  621.46    1250  617.16    1350  617.16
    1475  613.58    1950  613.58    2025  613.22    2300  609.97    2600  604.71
    3000  602.43    3200  599.49    3400  596.42  3482.1  582.85  3564.2  567.36
  3682.1  567.36  3764.2     600 3843.75  653.38 4135.41  710.21 4241.47  720.45
 4400.56  731.31 4559.64  732.53 4599.42  736.05

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3764.2     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400  3764.2             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.32    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.26    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       464282.30   66451.20   49290.33
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            464282.30   66451.20   49290.33
  Q Total (cfs)           1050418.00    Flow (cfs)              851864.10   147909.30   50644.66
  Top Width (ft)           4599.42    Top Width (ft)           3400.00     364.20     835.22
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.83       2.23       1.03
  Max Chl Dpth (ft)         192.90    Hydr. Depth (ft)          136.55     182.46      59.01
  Conv. Total (cfs)       148010600.0    Conv. (cfs)            120033100.0   20841370.0   7136157.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.25     373.01     882.19
  Min Ch El (ft)            567.36    Shear (lb/sq ft)            0.42       0.56       0.18
  Alpha                       1.06    Stream Power (lb/ft s)      0.77       1.25       0.18
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23382.20    3848.83    5192.07
  C & E Loss (ft)                     Cum SA (acres)            167.61      21.53      80.56


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3011.23*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.78     500  658.01     650  653.54     700   650.1
     950  629.92    1000  627.61    1100  621.33    1250  617.08    1350  617.08
    1475  613.54    1950  613.54    2025  613.19    2300  609.97    2600  604.74
    3000  602.44    3200  599.52    3400  596.46  3482.3  582.88 3564.59  567.35
  3682.3  567.35 3764.59     600 3844.36  653.56 4136.83  710.22 4243.19   720.5
 4402.72   731.4 4562.26  732.61 4602.14  736.15
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3764.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3764.59             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.32    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.26    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       464371.90   66515.05   49360.44
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            464371.90   66515.05   49360.44
  Q Total (cfs)           1050418.00    Flow (cfs)            851778.40   147982.30   50657.26
  Top Width (ft)           4602.14    Top Width (ft)          3400.00     364.59     837.55
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)           1.83       2.22       1.03
  Max Chl Dpth (ft)         192.91    Hydr. Depth (ft)         136.58     182.44      58.93
  Conv. Total (cfs)       148073100.0    Conv. (cfs)          120071700.0   20860460.0   7140944.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        3482.25     373.40     884.44
  Min Ch El (ft)            567.35    Shear (lb/sq ft)           0.42       0.56       0.18
  Alpha                       1.06    Stream Power (lb/ft s)     0.77       1.25       0.18
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23329.01    3841.22    5186.42
  C & E Loss (ft)                     Cum SA (acres)            167.22      21.48      80.47


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3006.25*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.75     500     658     650   653.5     700  650.04
     950  629.79    1000  627.47    1100  621.21    1250     617    1350     617
    1475   613.5    1950   613.5    2025  613.15    2300  609.97    2600  604.77
    3000  602.45    3200  599.55    3400   596.5 3482.49   582.9 3564.98  567.35
 3682.49  567.35 3764.98     600 3844.97  653.74 4138.26  710.22 4244.91  720.55
 4404.89   731.5 4564.87   732.7 4604.86  736.25

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3764.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3764.98             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.32    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.26    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       464463.50   66577.73   49430.14
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            464463.50   66577.73   49430.14
  Q Total (cfs)           1050418.00    Flow (cfs)            851696.60   148052.40   50669.11
  Top Width (ft)           4604.86    Top Width (ft)          3400.00     364.98     839.88
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)           1.83       2.22       1.03
  Max Chl Dpth (ft)         192.91    Hydr. Depth (ft)         136.61     182.41      58.85
  Conv. Total (cfs)       148135900.0    Conv. (cfs)          120111100.0   20879190.0   7145646.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        3482.25     373.77     886.69
  Min Ch El (ft)            567.35    Shear (lb/sq ft)           0.42       0.56       0.17
  Alpha                       1.06    Stream Power (lb/ft s)     0.77       1.24       0.18
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23275.81    3833.60    5180.76
  C & E Loss (ft)                     Cum SA (acres)            166.84      21.44      80.37


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 3001.27*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.72     500  657.99     650  653.46     700  649.98
     950  629.66    1000  627.34    1100  621.08    1250  616.93    1350  616.93
    1475  613.46    1950  613.46    2025  613.12    2300  609.97    2600  604.79
    3000  602.47    3200  599.58    3400  596.54 3482.68  582.92 3565.37  567.35
 3682.68  567.35 3765.37     600 3845.58  653.92 4139.69  710.22 4246.64   720.6
 4407.06  731.59 4567.48  732.78 4607.59  736.34

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3765.37     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3765.37             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.32    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.26    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       464551.70   66640.39   49502.53
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            464551.70   66640.39   49502.53
  Q Total (cfs)           1050418.00    Flow (cfs)            851609.60   148123.10   50685.20
  Top Width (ft)           4607.59    Top Width (ft)          3400.00     365.37     842.22
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)           1.83       2.22       1.02
  Max Chl Dpth (ft)         192.91    Hydr. Depth (ft)         136.63     182.39      58.78
  Conv. Total (cfs)       148197800.0    Conv. (cfs)          120149000.0   20897900.0   7150903.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        3482.26     374.15     888.96
  Min Ch El (ft)            567.35    Shear (lb/sq ft)           0.42       0.56       0.17
  Alpha                       1.06    Stream Power (lb/ft s)     0.77       1.24       0.18
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23222.60    3825.97    5175.10
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  C & E Loss (ft)                     Cum SA (acres)           166.45      21.40      80.27

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2996.28*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.69     500  657.98     650  653.42     700  649.92
     950  629.53    1000   627.2    1100  620.96    1250  616.85    1350  616.85
    1475  613.42    1950  613.42    2025  613.08    2300  609.97    2600  604.82
    3000  602.48    3200   599.6    3400  596.58 3482.88  582.95 3565.76  567.34
 3682.88  567.34 3765.76     600 3846.19   654.1 4141.12  710.22 4248.36  720.65
 4409.23  731.68 4570.09  732.86 4610.31  736.44

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3765.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3765.76             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.32    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.26    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       464645.10   66704.17   49574.02
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            464645.10   66704.17   49574.02
  Q Total (cfs)           1050418.00    Flow (cfs)            851524.50   148193.80   50699.64
  Top Width (ft)           4610.31    Top Width (ft)           3400.00     365.76     844.55
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.83       2.22       1.02
  Max Chl Dpth (ft)         192.92    Hydr. Depth (ft)          136.66     182.37      58.70
  Conv. Total (cfs)       148262200.0    Conv. (cfs)            120189200.0   20916960.0   7156049.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.26     374.53     891.21
  Min Ch El (ft)            567.34    Shear (lb/sq ft)            0.42       0.56       0.17
  Alpha                       1.06    Stream Power (lb/ft s)      0.77       1.24       0.18
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23169.38    3818.33    5169.42
  C & E Loss (ft)                     Cum SA (acres)            166.06      21.36      80.18

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2991.30*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.66     500  657.96     650  653.39     700  649.86
     950   629.4    1000  627.07    1100  620.83    1250  616.77    1350  616.77
    1475  613.39    1950  613.39    2025  613.05    2300  609.97    2600  604.85
    3000   602.5    3200  599.63    3400  596.61 3483.07  582.97 3566.15  567.34
 3683.07  567.34 3766.15     600  3846.8  654.28 4142.54  710.22 4250.08   720.7
  4411.4  731.78 4572.71  732.94 4613.03  736.54

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3766.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3766.15             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.32    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.26    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       464729.00   66767.20   49643.27
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            464729.00   66767.20   49643.27
  Q Total (cfs)           1050418.00    Flow (cfs)            851437.60   148268.60   50711.92
  Top Width (ft)           4613.03    Top Width (ft)           3400.00     366.15     846.88
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.83       2.22       1.02
  Max Chl Dpth (ft)         192.92    Hydr. Depth (ft)          136.69     182.35      58.62
  Conv. Total (cfs)       148321900.0    Conv. (cfs)            120225300.0   20935920.0   7160660.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.26     374.91     893.46
  Min Ch El (ft)            567.34    Shear (lb/sq ft)            0.42       0.56       0.17
  Alpha                       1.06    Stream Power (lb/ft s)      0.77       1.24       0.18
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23116.14    3810.68    5163.74
  C & E Loss (ft)                     Cum SA (acres)            165.67      21.32      80.08

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2986.32*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.63     500  657.95     650  653.35     700   649.8
     950  629.27    1000  626.93    1100  620.71    1250  616.69    1350  616.69
    1475  613.35    1950  613.35    2025  613.01    2300  609.97    2600  604.88
    3000  602.51    3200  599.66    3400  596.65 3483.27  582.99 3566.54  567.33
 3683.27  567.33 3766.54     600 3847.42  654.46 4143.97  710.22 4251.81  720.75
 4413.56  731.87 4575.32  733.02 4615.76  736.63

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
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       0     .15    3400     .15 3766.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3766.54             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.31    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.26    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       464820.40   66831.85   49715.11
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            464820.40   66831.85   49715.11
  Q Total (cfs)           1050418.00    Flow (cfs)              851348.80   148342.70   50726.52
  Top Width (ft)           4615.76    Top Width (ft)           3400.00     366.54     849.22
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.83       2.22       1.02
  Max Chl Dpth (ft)         192.93    Hydr. Depth (ft)          136.71     182.33      58.54
  Conv. Total (cfs)       148385900.0    Conv. (cfs)            120264600.0   20955430.0   7165814.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.27     375.29     895.73
  Min Ch El (ft)            567.33    Shear (lb/sq ft)            0.42       0.56       0.17
  Alpha                       1.06    Stream Power (lb/ft s)      0.76       1.24       0.18
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23062.90    3803.03    5158.05
  C & E Loss (ft)                     Cum SA (acres)            165.28      21.27      79.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2981.34*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.59     500  657.94     650  653.31     700  649.74
     950  629.13    1000   626.8    1100  620.58    1250  616.61    1350  616.61
    1475  613.31    1950  613.31    2025  612.98    2300  609.97    2600  604.91
    3000  602.53    3200  599.68    3400  596.69 3483.46  583.02 3566.93  567.33
 3683.46  567.33 3766.93     600 3848.03  654.64  4145.4  710.22 4253.53  720.79
 4415.73  731.97 4577.93   733.1 4618.48  736.73

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3766.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3766.93             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.31    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.26    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       464913.50   66893.57   49785.25
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            464913.50   66893.57   49785.25
  Q Total (cfs)           1050418.00    Flow (cfs)              851270.30   148408.50   50739.23
  Top Width (ft)           4618.48    Top Width (ft)           3400.00     366.93     851.55
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.83       2.22       1.02
  Max Chl Dpth (ft)         192.93    Hydr. Depth (ft)          136.74     182.31      58.46
  Conv. Total (cfs)       148449000.0    Conv. (cfs)            120304700.0   20973640.0   7170657.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.27     375.67     897.99
  Min Ch El (ft)            567.33    Shear (lb/sq ft)            0.42       0.56       0.17
  Alpha                       1.06    Stream Power (lb/ft s)      0.76       1.23       0.18
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23009.65    3795.37    5152.35
  C & E Loss (ft)                     Cum SA (acres)            164.89      21.23      79.89


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2976.36*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.56     500  657.93     650  653.27     700  649.68
     950     629    1000  626.66    1100  620.46    1250  616.54    1350  616.54
    1475  613.27    1950  613.27    2025  612.94    2300  609.97    2600  604.94
    3000  602.54    3200  599.71    3400  596.73 3483.66  583.04 3567.32  567.33
 3683.66  567.33 3767.32     600 3848.64  654.82 4146.82  710.22 4255.25  720.84
  4417.9  732.06 4580.54  733.18 4621.21  736.83

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3767.32     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3767.32             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.31    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.26    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       465002.70   66956.20   49855.21
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            465002.70   66956.20   49855.21
  Q Total (cfs)           1050418.00    Flow (cfs)              851187.60   148478.70   50751.76
  Top Width (ft)           4621.21    Top Width (ft)           3400.00     367.32     853.89
  Vel Total (ft/s)            1.81    Avg. Vel. (ft/s)            1.83       2.22       1.02
  Max Chl Dpth (ft)         192.93    Hydr. Depth (ft)          136.77     182.28      58.39
  Conv. Total (cfs)       148510800.0    Conv. (cfs)            120343100.0   20992290.0   7175413.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.27     376.05     900.25
  Min Ch El (ft)            567.33    Shear (lb/sq ft)            0.42       0.56       0.17
  Alpha                       1.06    Stream Power (lb/ft s)      0.76       1.23       0.18
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22956.39    3787.70    5146.64
  C & E Loss (ft)                     Cum SA (acres)            164.50      21.19      79.79
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2971.38*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.53     500  657.92     650  653.23     700  649.62
     950  628.87    1000  626.53    1100  620.33    1250  616.46    1350  616.46
    1475  613.23    1950  613.23    2025  612.91    2300  609.97    2600  604.96
    3000  602.56    3200  599.74    3400  596.77 3483.85  583.06  3567.7  567.32
 3683.85  567.32  3767.7     600 3849.25  655.01 4148.25  710.23 4256.98  720.89
 4420.07  732.16 4583.16  733.26 4623.93  736.93

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3767.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400  3767.7             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.31    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.26    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       465093.20   67019.02   49920.79
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            465093.20   67019.02   49920.79
  Q Total (cfs)           1050418.00    Flow (cfs)              851110.20   148550.90   50756.85
  Top Width (ft)           4623.93    Top Width (ft)           3400.00     367.70     856.23
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.83       2.22       1.02
  Max Chl Dpth (ft)         192.94    Hydr. Depth (ft)          136.79     182.27      58.30
  Conv. Total (cfs)       148572400.0    Conv. (cfs)            120382000.0   21011220.0   7179109.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.28     376.42     902.51
  Min Ch El (ft)            567.32    Shear (lb/sq ft)            0.42       0.56       0.17
  Alpha                       1.06    Stream Power (lb/ft s)      0.76       1.23       0.18
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22903.11    3780.03    5140.93
  C & E Loss (ft)                     Cum SA (acres)            164.11      21.15      79.69


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2966.40*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175   674.5     500   657.9     650  653.19     700  649.56
     950  628.74    1000  626.39    1100  620.21    1250  616.38    1350  616.38
    1475  613.19    1950  613.19    2025  612.87    2300  609.97    2600  604.99
    3000  602.57    3200  599.77    3400  596.81 3484.05  583.09 3568.09  567.32
 3684.05  567.32 3768.09     600 3849.86  655.19 4149.68  710.23  4258.7  720.94
 4422.23  732.25 4585.77  733.35 4626.65  737.02

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3768.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3768.09             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.31    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.26    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       465187.30   67080.80   49989.29
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            465187.30   67080.80   49989.29
  Q Total (cfs)           1050417.00    Flow (cfs)              851034.10   148616.30   50766.58
  Top Width (ft)           4626.65    Top Width (ft)           3400.00     368.09     858.56
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.83       2.22       1.02
  Max Chl Dpth (ft)         192.94    Hydr. Depth (ft)          136.82     182.24      58.22
  Conv. Total (cfs)       148635500.0    Conv. (cfs)            120422500.0   21029420.0   7183543.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.28     376.80     904.77
  Min Ch El (ft)            567.32    Shear (lb/sq ft)            0.42       0.56       0.17
  Alpha                       1.06    Stream Power (lb/ft s)      0.76       1.23       0.17
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22849.83    3772.35    5135.20
  C & E Loss (ft)                     Cum SA (acres)            163.72      21.11      79.59


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2961.42*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.47     500  657.89     650  653.15     700   649.5
     950  628.61    1000  626.26    1100  620.09    1250   616.3    1350   616.3
    1475  613.15    1950  613.15    2025  612.84    2300  609.97    2600  605.02
    3000  602.59    3200  599.79    3400  596.85 3484.24  583.11 3568.48  567.32
 3684.24  567.32 3768.48     600 3850.47  655.37  4151.1  710.23 4260.42  720.99
  4424.4  732.35 4588.38  733.43 4629.38  737.12

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3768.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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          3400 3768.48             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.31    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.26    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       465275.00   67143.29   50056.50
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            465275.00   67143.29   50056.50
  Q Total (cfs)           1050417.00    Flow (cfs)              850954.60   148687.30   50775.02
  Top Width (ft)           4629.38    Top Width (ft)           3400.00     368.48     860.90
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.83       2.21       1.01
  Max Chl Dpth (ft)         192.94    Hydr. Depth (ft)          136.85     182.22      58.14
  Conv. Total (cfs)       148696000.0    Conv. (cfs)            120460300.0   21048030.0   7187663.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.29     377.18     907.04
  Min Ch El (ft)            567.32    Shear (lb/sq ft)            0.42       0.55       0.17
  Alpha                       1.06    Stream Power (lb/ft s)      0.76       1.23       0.17
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22796.54    3764.66    5129.47
  C & E Loss (ft)                     Cum SA (acres)            163.33      21.06      79.49


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2956.44*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.44     500  657.88     650  653.11     700  649.44
     950  628.48    1000  626.12    1100  619.96    1250  616.23    1350  616.23
    1475  613.11    1950  613.11    2025   612.8    2300  609.97    2600  605.05
    3000   602.6    3200  599.82    3400  596.89 3484.44  583.13 3568.87  567.31
 3684.44  567.31 3768.87     600 3851.08  655.55 4152.53  710.23 4262.15  721.04
 4426.57  732.44 4590.99  733.51  4632.1  737.22

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3768.87     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3768.87             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.31    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.26    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       465365.30   67207.82   50125.14
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            465365.30   67207.82   50125.14
  Q Total (cfs)           1050417.00    Flow (cfs)              850869.70   148761.80   50785.55
  Top Width (ft)           4632.10    Top Width (ft)           3400.00     368.87     863.23
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.83       2.21       1.01
  Max Chl Dpth (ft)         192.95    Hydr. Depth (ft)          136.87     182.20      58.07
  Conv. Total (cfs)       148758800.0    Conv. (cfs)            120499100.0   21067470.0   7192189.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.29     377.56     909.29
  Min Ch El (ft)            567.31    Shear (lb/sq ft)            0.42       0.55       0.17
  Alpha                       1.06    Stream Power (lb/ft s)      0.76       1.23       0.17
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22743.23    3756.97    5123.73
  C & E Loss (ft)                     Cum SA (acres)            162.94      21.02      79.39


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2951.46*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.41     500  657.87     650  653.07     700  649.38
     950  628.35    1000  625.99    1100  619.84    1250  616.15    1350  616.15
    1475  613.07    1950  613.07    2025  612.77    2300  609.97    2600  605.08
    3000  602.62    3200  599.85    3400  596.93 3484.63  583.16 3569.26  567.31
 3684.63  567.31 3769.26     600  3851.7  655.73 4153.96  710.23 4263.87  721.09
 4428.74  732.53 4593.61  733.59 4634.82  737.32

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3769.26     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3769.26             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.31    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.26    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       465451.00   67269.43   50193.90
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            465451.00   67269.43   50193.90
  Q Total (cfs)           1050417.00    Flow (cfs)              850789.40   148830.20   50797.47
  Top Width (ft)           4634.82    Top Width (ft)           3400.00     369.26     865.56
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.83       2.21       1.01
  Max Chl Dpth (ft)         192.95    Hydr. Depth (ft)          136.90     182.17      57.99
  Conv. Total (cfs)       148818400.0    Conv. (cfs)            120536100.0   21085600.0   7196761.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.29     377.94     911.54
  Min Ch El (ft)            567.31    Shear (lb/sq ft)            0.42       0.55       0.17
  Alpha                       1.06    Stream Power (lb/ft s)      0.76       1.22       0.17
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22689.92    3749.26    5117.99
  C & E Loss (ft)                     Cum SA (acres)            162.55      20.98      79.30


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2946.48*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.37     500  657.86     650  653.04     700  649.32
     950  628.22    1000  625.85    1100  619.71    1250  616.07    1350  616.07
    1475  613.04    1950  613.04    2025  612.73    2300  609.97    2600  605.11
    3000  602.63    3200  599.88    3400  596.96 3484.82  583.18 3569.65   567.3
 3684.82   567.3 3769.65     600 3852.31  655.91 4155.38  710.23 4265.59  721.14
 4430.91  732.63 4596.22  733.67 4637.55  737.41

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3769.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3769.65             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.31    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.26    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       465540.40   67334.29   50260.23
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            465540.40   67334.29   50260.23
  Q Total (cfs)           1050417.00    Flow (cfs)              850706.10   148907.10   50803.72
  Top Width (ft)           4637.55    Top Width (ft)            3400.00     369.65     867.90
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.83       2.21       1.01
  Max Chl Dpth (ft)         192.96    Hydr. Depth (ft)          136.92     182.16      57.91
  Conv. Total (cfs)       148880500.0    Conv. (cfs)            120574500.0   21105300.0   7200649.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)          3482.30     378.32     913.82
  Min Ch El (ft)            567.30    Shear (lb/sq ft)            0.42       0.55       0.17
  Alpha                       1.06    Stream Power (lb/ft s)      0.76       1.22       0.17
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22636.59    3741.55    5112.23
  C & E Loss (ft)                     Cum SA (acres)            162.16      20.94      79.20


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2941.50*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.34     500  657.84     650     653     700  649.26
     950  628.09    1000  625.72    1100  619.59    1250  615.99    1350  615.99
    1475     613    1950     613    2025   612.7    2300  609.97    2600  605.14
    3000  602.65    3200   599.9    3400     597 3485.02   583.2 3570.04   567.3
 3685.02   567.3 3770.04     600 3852.92  656.09 4156.81  710.23 4267.31  721.19
 4433.07  732.72 4598.83  733.75 4640.27  737.51

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3770.04     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3770.04             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.31    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.26    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       465630.40   67396.77   50327.61
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            465630.40   67396.77   50327.61
  Q Total (cfs)           1050417.00    Flow (cfs)              850627.80   148976.50   50812.69
  Top Width (ft)           4640.27    Top Width (ft)            3400.00     370.04     870.23
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.83       2.21       1.01
  Max Chl Dpth (ft)         192.96    Hydr. Depth (ft)          136.95     182.13      57.83
  Conv. Total (cfs)       148942100.0    Conv. (cfs)            120613300.0   21123870.0   7204899.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)          3482.30     378.70     916.07
  Min Ch El (ft)            567.30    Shear (lb/sq ft)            0.42       0.55       0.17
  Alpha                       1.06    Stream Power (lb/ft s)      0.76       1.22       0.17
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22583.26    3733.84    5106.47
  C & E Loss (ft)                     Cum SA (acres)            161.77      20.90      79.10


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2936.52*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.31     500  657.83     650  652.96     700   649.2
     950  627.96    1000  625.58    1100  619.46    1250  615.91    1350  615.91
    1475  612.96    1950  612.96    2025  612.66    2300  609.97    2600  605.16
    3000  602.66    3200  599.93    3400  597.04 3485.21  583.23 3570.43   567.3
 3685.21   567.3 3770.43     600 3853.53  656.27 4158.24  710.23 4269.04  721.24
 4435.24  732.82 4601.44  733.83    4643  737.61

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3770.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3770.43             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
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```
  E.G. Elev (ft)            760.31    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.25    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       465727.00   67458.38   50393.54
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            465727.00   67458.38   50393.54
  Q Total (cfs)           1050417.00    Flow (cfs)              850558.10   149040.80   50818.20
  Top Width (ft)           4643.00    Top Width (ft)           3400.00     370.43     872.57
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.83       2.21       1.01
  Max Chl Dpth (ft)         192.95    Hydr. Depth (ft)          136.98     182.11      57.75
  Conv. Total (cfs)       149005600.0    Conv. (cfs)            120654900.0   21142000.0   7208754.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.31     379.08     918.34
  Min Ch El (ft)            567.30    Shear (lb/sq ft)            0.41       0.55       0.17
  Alpha                       1.06    Stream Power (lb/ft s)      0.76       1.22       0.17
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22529.91    3726.11    5100.70
  C & E Loss (ft)                     Cum SA (acres)            161.38      20.85      79.00


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2931.54*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.28     500  657.82     650  652.92     700  649.14
     950  627.82    1000  625.45    1100  619.34    1250  615.84    1350  615.84
    1475  612.92    1950  612.92    2025  612.63    2300  609.97    2600  605.19
    3000  602.68    3200  599.96    3400  597.08 3485.41  583.25 3570.82  567.29
 3685.41  567.29 3770.82     600 3854.14  656.45 4159.66  710.24 4270.76  721.29
 4437.41  732.91 4604.06  733.91 4645.72   737.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3770.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3770.82              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.31    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.25    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       465811.90   67522.82   50458.08
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            465811.90   67522.82   50458.08
  Q Total (cfs)           1050417.00    Flow (cfs)              850476.30   149117.90   50822.86
  Top Width (ft)           4645.72    Top Width (ft)           3400.00     370.82     874.90
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.83       2.21       1.01
  Max Chl Dpth (ft)         192.96    Hydr. Depth (ft)          137.00     182.09      57.67
  Conv. Total (cfs)       149065100.0    Conv. (cfs)            120691400.0   21161380.0   7212293.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.31     379.46     920.60
  Min Ch El (ft)            567.29    Shear (lb/sq ft)            0.41       0.55       0.17
  Alpha                       1.06    Stream Power (lb/ft s)      0.76       1.22       0.17
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22476.55    3718.38    5094.93
  C & E Loss (ft)                     Cum SA (acres)            160.99      20.81      78.90


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2926.56*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.25     500  657.81     650  652.88     700  649.08
     950  627.69    1000  625.32    1100  619.21    1250  615.76    1350  615.76
    1475  612.88    1950  612.88    2025  612.59    2300  609.97    2600  605.22
    3000  602.69    3200  599.98    3400  597.12  3485.6  583.27 3571.21  567.29
  3685.6  567.29 3771.21     600 3854.75  656.63 4161.09  710.24 4272.48  721.34
 4439.58  733.01 4606.67  733.99 4648.44   737.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3771.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3771.21              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.31    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.25    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       465905.90   67585.22   50522.82
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            465905.90   67585.22   50522.82
  Q Total (cfs)           1050417.00    Flow (cfs)              850404.10   149185.80   50827.16
  Top Width (ft)           4648.44    Top Width (ft)           3400.00     371.21     877.23
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.83       2.21       1.01
  Max Chl Dpth (ft)         192.96    Hydr. Depth (ft)          137.03     182.07      57.59
  Conv. Total (cfs)       149127800.0    Conv. (cfs)            120732000.0   21179930.0   7215938.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.32     379.84     922.86
  Min Ch El (ft)            567.29    Shear (lb/sq ft)            0.41       0.55       0.17
  Alpha                       1.06    Stream Power (lb/ft s)      0.76       1.22       0.17
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22423.19    3710.64    5089.14
  C & E Loss (ft)                     Cum SA (acres)            160.60      20.77      78.80


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
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REACH: LOWER PALUXY       RS: 2921.58*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.22     500   657.8     650  652.84     700  649.02
     950  627.56    1000  625.18    1100  619.09    1250  615.68    1350  615.68
    1475  612.84    1950  612.84    2025  612.56    2300  609.98    2600  605.25
    3000   602.7    3200  600.01    3400  597.16  3485.8   583.3  3571.6  567.28
  3685.8  567.28  3771.6     600 3855.36  656.81 4162.52  710.24 4274.21  721.39
 4441.75   733.1 4609.28  734.08 4651.17   737.9

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3771.6     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400  3771.6             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.31    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.25    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       465992.60   67648.77   50588.12
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            465992.60   67648.77   50588.12
  Q Total (cfs)           1050417.00    Flow (cfs)              850324.90   149259.00   50833.09
  Top Width (ft)           4651.17    Top Width (ft)           3400.00     371.60     879.57
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.82       2.21       1.00
  Max Chl Dpth (ft)         192.97    Hydr. Depth (ft)          137.06     182.05      57.51
  Conv. Total (cfs)       149187800.0    Conv. (cfs)            120769300.0   21198830.0   7219683.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.32     380.22     925.12
  Min Ch El (ft)            567.28    Shear (lb/sq ft)            0.41       0.55       0.17
  Alpha                       1.06    Stream Power (lb/ft s)      0.76       1.21       0.17
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22369.81    3702.90    5083.35
  C & E Loss (ft)                     Cum SA (acres)            160.21      20.73      78.70


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2916.6*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.19     500  657.79     650   652.8     700  648.96
     950  627.43    1000  625.05    1100  618.97    1250   615.6    1350   615.6
    1475   612.8    1950   612.8    2025  612.52    2300  609.98    2600  605.28
    3000  602.72    3200  600.04    3400   597.2 3485.99  583.32 3571.98  567.28
 3685.99  567.28 3771.98     600 3855.98  656.99 4163.94  710.24 4275.93  721.44
 4443.91   733.2  4611.9  734.16 4653.89     738

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3771.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3771.98             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.31    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.25    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       466080.60   67709.46   50653.71
  E.G. Slope (ft/ft)      0.000050    Area (sq ft)            466080.60   67709.46   50653.71
  Q Total (cfs)           1050417.00    Flow (cfs)              850251.40   149325.90   50839.68
  Top Width (ft)           4653.89    Top Width (ft)           3400.00     371.98     881.91
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.82       2.21       1.00
  Max Chl Dpth (ft)         192.97    Hydr. Depth (ft)          137.08     182.02      57.44
  Conv. Total (cfs)       149247500.0    Conv. (cfs)            120807200.0   21216830.0   7223510.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.32     380.59     927.39
  Min Ch El (ft)            567.28    Shear (lb/sq ft)            0.41       0.55       0.17
  Alpha                       1.06    Stream Power (lb/ft s)      0.76       1.21       0.17
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22316.42    3695.14    5077.55
  C & E Loss (ft)                     Cum SA (acres)            159.82      20.68      78.59


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2911.62*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.15     500  657.77     650  652.76     700   648.9
     950   627.3    1000  624.91    1100  618.84    1250  615.53    1350  615.53
    1475  612.76    1950  612.76    2025  612.49    2300  609.98    2600  605.31
    3000  602.73    3200  600.07    3400  597.24 3486.19  583.34 3572.37  567.28
 3686.19  567.28 3772.37     600 3856.59  657.17 4165.37  710.24 4277.65  721.49
 4446.08  733.29 4614.51  734.24 4656.61  738.09

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3772.37     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3772.37             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.31    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
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  W.S. Elev (ft)            760.25    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       466173.80   67771.84   50719.18
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            466173.80   67771.84   50719.18
  Q Total (cfs)           1050417.00    Flow (cfs)              850178.30   149393.50   50845.16
  Top Width (ft)           4656.61    Top Width (ft)           3400.00     372.37     884.24
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.82       2.20       1.00
  Max Chl Dpth (ft)         192.97    Hydr. Depth (ft)          137.11     182.00      57.36
  Conv. Total (cfs)       149310000.0    Conv. (cfs)            120847400.0   21235330.0   7227313.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.33     380.97     929.65
  Min Ch El (ft)            567.28    Shear (lb/sq ft)            0.41       0.55       0.17
  Alpha                       1.06    Stream Power (lb/ft s)      0.75       1.21       0.17
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22263.03    3687.38    5071.75
  C & E Loss (ft)                     Cum SA (acres)            159.44      20.64      78.49


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2906.63*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.12     500  657.76     650  652.72     700  648.84
     950  627.17    1000  624.78    1100  618.72    1250  615.45    1350  615.45
    1475  612.72    1950  612.72    2025  612.45    2300  609.98    2600  605.34
    3000  602.75    3200  600.09    3400  597.28 3486.38  583.37 3572.76  567.27
 3686.38  567.27 3772.76     600  3857.2  657.35  4166.8  710.24 4279.38  721.54
 4448.25  733.39 4617.12  734.32 4659.34  738.19

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3772.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3772.76             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.30    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.25    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       466263.40   67835.29   50782.74
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            466263.40   67835.29   50782.74
  Q Total (cfs)           1050417.00    Flow (cfs)              850103.50   149465.50   50848.01
  Top Width (ft)           4659.34    Top Width (ft)           3400.00     372.76     886.58
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.82       2.20       1.00
  Max Chl Dpth (ft)         192.98    Hydr. Depth (ft)          137.14     181.98      57.28
  Conv. Total (cfs)       149370800.0    Conv. (cfs)            120886000.0   21254210.0   7230662.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.33     381.35     931.92
  Min Ch El (ft)            567.27    Shear (lb/sq ft)            0.41       0.55       0.17
  Alpha                       1.06    Stream Power (lb/ft s)      0.75       1.21       0.17
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22209.62    3679.62    5065.93
  C & E Loss (ft)                     Cum SA (acres)            159.05      20.60      78.39


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2901.65*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.09     500  657.75     650  652.68     700  648.78
     950  627.04    1000  624.64    1100  618.59    1250  615.37    1350  615.37
    1475  612.68    1950  612.68    2025  612.42    2300  609.98    2600  605.36
    3000  602.76    3200  600.12    3400  597.32 3486.58  583.39 3573.15  567.27
 3686.58  567.27 3773.15     600 3857.81  657.53 4168.22  710.24  4281.1  721.59
 4450.42  733.48 4619.73   734.4 4662.06  738.29

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3773.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3773.15             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.30    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.25    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       466358.10   67897.63   50847.10
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            466358.10   67897.63   50847.10
  Q Total (cfs)           1050417.00    Flow (cfs)              850032.60   149532.50   50851.91
  Top Width (ft)           4662.06    Top Width (ft)           3400.00     373.15     888.91
  Vel Total (ft/s)            1.80    Avg. Vel. (ft/s)            1.82       2.20       1.00
  Max Chl Dpth (ft)         192.98    Hydr. Depth (ft)          137.16     181.96      57.20
  Conv. Total (cfs)       149433700.0    Conv. (cfs)            120926800.0   21272700.0   7234261.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.34     381.73     934.18
  Min Ch El (ft)            567.27    Shear (lb/sq ft)            0.41       0.55       0.17
  Alpha                       1.06    Stream Power (lb/ft s)      0.75       1.21       0.17
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22156.20    3671.84    5060.11
  C & E Loss (ft)                     Cum SA (acres)            158.66      20.55      78.29


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2896.67*

INPUT
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Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.06     500  657.74     650  652.65     700  648.72
     950  626.91    1000  624.51    1100  618.47    1250  615.29    1350  615.29
    1475  612.65    1950  612.65    2025  612.38    2300  609.98    2600  605.39
    3000  602.78    3200  600.15    3400  597.35 3486.77  583.41 3573.54  567.26
 3686.77  567.26 3773.54     600 3858.42  657.72 4169.65  710.25 4282.82  721.64
 4452.58  733.57 4622.35  734.48 4664.79  738.39

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3773.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3773.54             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.30    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.25    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       466439.50   67962.35   50907.23
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            466439.50   67962.35   50907.23
  Q Total (cfs)           1050417.00    Flow (cfs)            849953.70   149613.00   50850.27
  Top Width (ft)           4664.79    Top Width (ft)           3400.00     373.54     891.25
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.82       2.20       1.00
  Max Chl Dpth (ft)         192.99    Hydr. Depth (ft)          137.19     181.94      57.12
  Conv. Total (cfs)       149490900.0    Conv. (cfs)           120961800.0   21292300.0   7236797.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.34     382.11     936.45
  Min Ch El (ft)            567.26    Shear (lb/sq ft)            0.41       0.55       0.17
  Alpha                       1.06    Stream Power (lb/ft s)      0.75       1.21       0.17
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22102.77    3664.06    5054.28
  C & E Loss (ft)                     Cum SA (acres)            158.27      20.51      78.19


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2891.69*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  674.03     500  657.73     650  652.61     700  648.66
     950  626.78    1000  624.37    1100  618.34    1250  615.21    1350  615.21
    1475  612.61    1950  612.61    2025  612.35    2300  609.98    2600  605.42
    3000  602.79    3200  600.18    3400  597.39 3486.96  583.44 3573.93  567.26
 3686.96  567.26 3773.93     600 3859.03   657.9 4171.08  710.25 4284.55  721.69
 4454.75  733.67 4624.96  734.56 4667.51  738.48

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3773.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3773.93             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.30    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.25    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       466530.70   68023.77   50969.79
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            466530.70   68023.77   50969.79
  Q Total (cfs)           1050417.00    Flow (cfs)            849886.10   149679.10   50851.80
  Top Width (ft)           4667.51    Top Width (ft)           3400.00     373.93     893.58
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.82       2.20       1.00
  Max Chl Dpth (ft)         192.99    Hydr. Depth (ft)          137.21     181.92      57.04
  Conv. Total (cfs)       149551400.0    Conv. (cfs)           121001100.0   21310320.0   7239943.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.35     382.49     938.72
  Min Ch El (ft)            567.26    Shear (lb/sq ft)            0.41       0.55       0.17
  Alpha                       1.06    Stream Power (lb/ft s)      0.75       1.21       0.17
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22049.34    3656.27    5048.45
  C & E Loss (ft)                     Cum SA (acres)            157.88      20.47      78.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2886.71*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175    674     500  657.71     650  652.57     700   648.6
     950  626.65    1000  624.24    1100  618.22    1250  615.14    1350  615.14
    1475  612.57    1950  612.57    2025  612.31    2300  609.98    2600  605.45
    3000  602.81    3200   600.2    3400  597.43 3487.16  583.46 3574.32  567.26
 3687.16  567.26 3774.32     600 3859.64  658.08  4172.5  710.25 4286.27  721.73
 4456.92  733.76 4627.57  734.64 4670.23  738.58

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3774.32     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3774.32             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.30    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.25    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       466620.30   68086.07   51034.30
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            466620.30   68086.07   51034.30
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  Q Total (cfs)           1050417.00    Flow (cfs)              849812.30   149747.90   50856.93
  Top Width (ft)           4670.23    Top Width (ft)           3400.00     374.32     895.91
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.82       2.20       1.00
  Max Chl Dpth (ft)         192.99    Hydr. Depth (ft)          137.24     181.89      56.96
  Conv. Total (cfs)       149612100.0    Conv. (cfs)            121039700.0   21328760.0   7243611.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.35     382.87     940.98
  Min Ch El (ft)            567.26    Shear (lb/sq ft)            0.41       0.55       0.17
  Alpha                       1.06    Stream Power (lb/ft s)      0.75       1.20       0.17
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21995.89    3648.48    5042.61
  C & E Loss (ft)                     Cum SA (acres)            157.49      20.43      77.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2881.73*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.97     500   657.7     650  652.53     700  648.54
     950  626.51    1000   624.1    1100  618.09    1250  615.06    1350  615.06
    1475  612.53    1950  612.53    2025  612.28    2300  609.98    2600  605.48
    3000  602.82    3200  600.23    3400  597.47 3487.35  583.48 3574.71  567.25
 3687.35  567.25 3774.71     600 3860.26  658.26 4173.93  710.25 4287.99  721.78
 4459.09  733.86 4630.18  734.72 4672.96  738.68

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3774.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3774.71             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.30    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.25    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       466712.60   68150.30   51096.48
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            466712.60   68150.30   51096.48
  Q Total (cfs)           1050417.00    Flow (cfs)              849738.50   149821.10   50857.40
  Top Width (ft)           4672.96    Top Width (ft)           3400.00     374.71     898.25
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.82       2.20       1.00
  Max Chl Dpth (ft)         193.00    Hydr. Depth (ft)          137.27     181.87      56.88
  Conv. Total (cfs)       149674300.0    Conv. (cfs)            121079500.0   21348060.0   7246689.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.36     383.26     943.24
  Min Ch El (ft)            567.25    Shear (lb/sq ft)            0.41       0.55       0.17
  Alpha                       1.06    Stream Power (lb/ft s)      0.75       1.20       0.17
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21942.43    3640.67    5036.76
  C & E Loss (ft)                     Cum SA (acres)            157.10      20.38      77.88


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2876.75*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.93     500  657.69     650  652.49     700  648.49
     950  626.38    1000  623.97    1100  617.97    1250  614.98    1350  614.98
    1475  612.49    1950  612.49    2025  612.24    2300  609.98    2600  605.51
    3000  602.84    3200  600.26    3400  597.51 3487.55  583.51  3575.1  567.25
 3687.55  567.25  3775.1     600 3860.87  658.44 4175.36  710.25 4289.72  721.83
 4461.26  733.95  4632.8  734.81 4675.68  738.77

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3775.1     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400  3775.1             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.30    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.25    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       466801.30   68211.71   51158.52
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            466801.30   68211.71   51158.52
  Q Total (cfs)           1050416.00    Flow (cfs)              849669.70   149887.70   50858.65
  Top Width (ft)           4675.68    Top Width (ft)           3400.00     375.10     900.58
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.82       2.20       0.99
  Max Chl Dpth (ft)         193.00    Hydr. Depth (ft)          137.29     181.85      56.81
  Conv. Total (cfs)       149733600.0    Conv. (cfs)            121117800.0   21366030.0   7249745.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.36     383.63     945.51
  Min Ch El (ft)            567.25    Shear (lb/sq ft)            0.41       0.55       0.17
  Alpha                       1.06    Stream Power (lb/ft s)      0.75       1.20       0.17
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21888.96    3632.86    5030.90
  C & E Loss (ft)                     Cum SA (acres)            156.71      20.34      77.78


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2871.77*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
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       0     680     175   673.9     500  657.68     650  652.45     700  648.43
     950  626.25    1000  623.83    1100  617.84    1250   614.9    1350   614.9
    1475  612.45    1950  612.45    2025  612.21    2300  609.98    2600  605.54
    3000  602.85    3200  600.28    3400  597.55 3487.74  583.53 3575.49  567.25
 3687.74  567.25 3775.49     600 3861.48  658.62 4176.78  710.25 4291.44  721.88
 4463.42  734.05 4635.41  734.89  4678.4  738.87

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3775.49     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3775.49             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.30    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.25    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       466894.30   68273.93   51218.83
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            466894.30   68273.93   51218.83
  Q Total (cfs)           1050416.00    Flow (cfs)            849603.40   149955.70   50856.80
  Top Width (ft)           4678.40    Top Width (ft)           3400.00     375.49     902.91
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)           1.82       2.20       0.99
  Max Chl Dpth (ft)         193.00    Hydr. Depth (ft)         137.32     181.83      56.73
  Conv. Total (cfs)       149794800.0    Conv. (cfs)          121157900.0   21384460.0   7252444.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.37     384.01     947.77
  Min Ch El (ft)            567.25    Shear (lb/sq ft)           0.41       0.55       0.17
  Alpha                       1.06    Stream Power (lb/ft s)     0.75       1.20       0.16
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21835.48    3625.05    5025.04
  C & E Loss (ft)                     Cum SA (acres)           156.32      20.30      77.67


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2866.79*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.87     500  657.67     650  652.41     700  648.37
     950  626.12    1000   623.7    1100  617.72    1250  614.82    1350  614.82
    1475  612.41    1950  612.41    2025  612.17    2300  609.98    2600  605.56
    3000  602.87    3200  600.31    3400  597.59 3487.94  583.55 3575.88  567.24
 3687.94  567.24 3775.88     600 3862.09   658.8 4178.21  710.25 4293.16  721.93
 4465.59  734.14 4638.02  734.97 4681.13  738.97

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3775.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3775.88             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.30    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.25    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       466985.70   68338.14   51281.13
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            466985.70   68338.14   51281.13
  Q Total (cfs)           1050416.00    Flow (cfs)            849529.40   150028.80   50857.78
  Top Width (ft)           4681.13    Top Width (ft)           3400.00     375.88     905.25
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)           1.82       2.20       0.99
  Max Chl Dpth (ft)         193.01    Hydr. Depth (ft)         137.35     181.81      56.65
  Conv. Total (cfs)       149856500.0    Conv. (cfs)          121197300.0   21403710.0   7255574.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.38     384.40     950.04
  Min Ch El (ft)            567.24    Shear (lb/sq ft)           0.41       0.55       0.17
  Alpha                       1.06    Stream Power (lb/ft s)     0.75       1.20       0.16
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21781.99    3617.22    5019.17
  C & E Loss (ft)                     Cum SA (acres)           155.93      20.25      77.57


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2861.81*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.84     500  657.65     650  652.37     700  648.31
     950  625.99    1000  623.56    1100   617.6    1250  614.75    1350  614.75
    1475  612.37    1950  612.37    2025  612.14    2300  609.98    2600  605.59
    3000  602.88    3200  600.34    3400  597.63 3488.13  583.58 3576.26  567.24
 3688.13  567.24 3776.26     600  3862.7  658.98 4179.64  710.25 4294.89  721.98
 4467.76  734.24 4640.63  735.05 4683.85  739.07

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3776.26     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3776.26             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.30    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.25    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       467075.20   68397.77   51342.44
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            467075.20   68397.77   51342.44
  Q Total (cfs)           1050416.00    Flow (cfs)            849466.00   150091.80   50858.21
  Top Width (ft)           4683.85    Top Width (ft)           3400.00     376.26     907.59
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)           1.82       2.19       0.99
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  Max Chl Dpth (ft)          193.01    Hydr. Depth (ft)          137.38     181.78      56.57
  Conv. Total (cfs)        149915400.0    Conv. (cfs)            121235800.0   21421120.0   7258488.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)         3482.38     384.77     952.31
  Min Ch El (ft)             567.24    Shear (lb/sq ft)            0.41       0.54       0.17
  Alpha                        1.06    Stream Power (lb/ft s)      0.75       1.20       0.16
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    21728.49    3609.39    5013.29
  C & E Loss (ft)                      Cum SA (acres)            155.54      20.21      77.47


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2856.83*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.81     500  657.64     650  652.33     700  648.25
     950  625.86    1000  623.43    1100  617.47    1250  614.67    1350  614.67
    1475  612.33    1950  612.33    2025   612.1    2300  609.98    2600  605.62
    3000   602.9    3200  600.37    3400  597.67 3488.33   583.6 3576.65  567.23
 3688.33  567.23 3776.65     600 3863.31  659.16 4181.06  710.26 4296.61  722.03
 4469.93  734.33 4643.25  735.13 4686.58  739.16

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3776.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3776.65             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)             760.30    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             760.25    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                       Flow Area (sq ft)       467164.00   68461.93   51401.69
  E.G. Slope (ft/ft)       0.000049    Area (sq ft)            467164.00   68461.93   51401.69
  Q Total (cfs)            1050416.00    Flow (cfs)              849394.90   150166.50   50854.57
  Top Width (ft)            4686.58    Top Width (ft)           3400.00     376.65     909.93
  Vel Total (ft/s)             1.79    Avg. Vel. (ft/s)            1.82       2.19       0.99
  Max Chl Dpth (ft)          193.02    Hydr. Depth (ft)          137.40     181.77      56.49
  Conv. Total (cfs)        149975300.0    Conv. (cfs)            121274100.0   21440340.0   7260869.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)         3482.39     385.15     954.59
  Min Ch El (ft)             567.23    Shear (lb/sq ft)            0.41       0.54       0.16
  Alpha                        1.06    Stream Power (lb/ft s)      0.75       1.19       0.16
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    21674.98    3601.55    5007.40
  C & E Loss (ft)                      Cum SA (acres)            155.15      20.17      77.36


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2851.85*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.78     500  657.63     650   652.3     700  648.19
     950  625.73    1000  623.29    1100  617.35    1250  614.59    1350  614.59
    1475   612.3    1950   612.3    2025  612.07    2300  609.98    2600  605.65
    3000  602.91    3200  600.39    3400   597.7 3488.52  583.62 3577.04  567.23
 3688.52  567.23 3777.04     600 3863.92  659.34 4182.49  710.26 4298.33  722.08
  4472.1  734.42 4645.86  735.21  4689.3  739.26

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3777.04     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3777.04             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)             760.30    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             760.25    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                       Flow Area (sq ft)       467250.20   68524.59   51462.65
  E.G. Slope (ft/ft)       0.000049    Area (sq ft)            467250.20   68524.59   51462.65
  Q Total (cfs)            1050416.00    Flow (cfs)              849322.40   150238.60   50854.94
  Top Width (ft)            4689.30    Top Width (ft)           3400.00     377.04     912.26
  Vel Total (ft/s)             1.79    Avg. Vel. (ft/s)            1.82       2.19       0.99
  Max Chl Dpth (ft)          193.02    Hydr. Depth (ft)          137.43     181.74      56.41
  Conv. Total (cfs)        150034100.0    Conv. (cfs)            121311300.0   21459040.0   7263767.0
  Length Wtd. (ft)             4.99    Wetted Per. (ft)         3482.39     385.53     956.85
  Min Ch El (ft)             567.23    Shear (lb/sq ft)            0.41       0.54       0.16
  Alpha                        1.06    Stream Power (lb/ft s)      0.75       1.19       0.16
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    21621.46    3593.70    5001.51
  C & E Loss (ft)                      Cum SA (acres)            154.76      20.13      77.26


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2846.87*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.75     500  657.62     650  652.26     700  648.13
     950   625.6    1000  623.16    1100  617.22    1250  614.51    1350  614.51
    1475  612.26    1950  612.26    2025  612.03    2300  609.98    2600  605.68
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    3000  602.93    3200  600.42    3400  597.74 3488.72  583.65 3577.43  567.23
 3688.72  567.23 3777.43     600 3864.54  659.52 4183.92  710.26 4300.06  722.13
 4474.26  734.52 4648.47  735.29 4692.02  739.36

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3777.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3777.43             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.30    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.24    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       467339.00   68585.82   51522.05
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            467339.00   68585.82   51522.05
  Q Total (cfs)           1050416.00    Flow (cfs)              849258.10   150305.00   50852.85
  Top Width (ft)           4692.02    Top Width (ft)           3400.00     377.43     914.59
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.82       2.19       0.99
  Max Chl Dpth (ft)         193.01    Hydr. Depth (ft)          137.45     181.72      56.33
  Conv. Total (cfs)       150092800.0    Conv. (cfs)            121349600.0   21476920.0   7266309.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.40     385.91     959.11
  Min Ch El (ft)            567.23    Shear (lb/sq ft)            0.41       0.54       0.16
  Alpha                       1.06    Stream Power (lb/ft s)      0.75       1.19       0.16
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21567.93    3585.85    4995.61
  C & E Loss (ft)                     Cum SA (acres)            154.37      20.08      77.15


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2841.89*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.71     500  657.61     650  652.22     700  648.07
     950  625.47    1000  623.02    1100    617.1    1250  614.44    1350  614.44
    1475  612.22    1950  612.22    2025      612    2300  609.98    2600  605.71
    3000  602.94    3200  600.45    3400  597.78 3488.91  583.67 3577.82  567.22
 3688.91  567.22 3777.82     600 3865.15   659.7 4185.34  710.26 4301.78  722.18
 4476.43  734.61 4651.08  735.37 4694.75  739.46

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3777.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3777.82             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.30    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.24    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       467428.60   68649.95   51582.11
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            467428.60   68649.95   51582.11
  Q Total (cfs)           1050416.00    Flow (cfs)              849186.30   150378.80   50850.89
  Top Width (ft)           4694.75    Top Width (ft)           3400.00     377.82     916.93
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.82       2.19       0.99
  Max Chl Dpth (ft)         193.02    Hydr. Depth (ft)          137.48     181.70      56.26
  Conv. Total (cfs)       150153400.0    Conv. (cfs)            121388300.0   21496140.0   7268963.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.40     386.29     961.38
  Min Ch El (ft)            567.22    Shear (lb/sq ft)            0.41       0.54       0.16
  Alpha                       1.06    Stream Power (lb/ft s)      0.75       1.19       0.16
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21514.38    3577.99    4989.71
  C & E Loss (ft)                     Cum SA (acres)            153.98      20.04      77.05


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2836.91*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.68     500  657.59     650  652.18     700  648.01
     950  625.34    1000  622.89    1100  616.97    1250  614.36    1350  614.36
    1475  612.18    1950  612.18    2025  611.96    2300  609.98    2600  605.74
    3000  602.95    3200  600.47    3400  597.82  3489.1  583.69 3578.21  567.22
  3689.1  567.22 3778.21     600 3865.76  659.88 4186.77  710.26  4303.5  722.23
  4478.6  734.71  4653.7  735.46 4697.47  739.55

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3778.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3778.21             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.30    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.24    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       467524.80   68712.03   51639.32
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            467524.80   68712.03   51639.32
  Q Total (cfs)           1050416.00    Flow (cfs)              849126.80   150445.20   50843.94
  Top Width (ft)           4697.47    Top Width (ft)           3400.00     378.21     919.26
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.82       2.19       0.98
  Max Chl Dpth (ft)         193.02    Hydr. Depth (ft)          137.51     181.68      56.17
  Conv. Total (cfs)       150215200.0    Conv. (cfs)            121429800.0   21514490.0   7270961.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.41     386.67     963.65
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  Min Ch El (ft)            567.22    Shear (lb/sq ft)            0.41       0.54       0.16
  Alpha                       1.06    Stream Power (lb/ft s)      0.74       1.19       0.16
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21460.83    3570.12    4983.79
  C & E Loss (ft)                     Cum SA (acres)            153.59      20.00      76.94


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2831.93*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.65     500  657.58     650  652.14     700  647.95
     950   625.2    1000  622.75    1100  616.85    1250  614.28    1350  614.28
    1475  612.14    1950  612.14    2025  611.93    2300  609.98    2600  605.76
    3000  602.97    3200   600.5    3400  597.86  3489.3  583.72  3578.6  567.21
  3689.3  567.21  3778.6     600 3866.37  660.06  4188.2  710.26 4305.22  722.28
 4480.77   734.8 4656.31  735.54 4700.19  739.65

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3778.6     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400  3778.6             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.30    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.24    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       467616.30   68775.25   51698.75
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            467616.30   68775.25   51698.75
  Q Total (cfs)           1050416.00    Flow (cfs)              849059.40   150515.20   50841.40
  Top Width (ft)           4700.19    Top Width (ft)           3400.00     378.60     921.59
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.82       2.19       0.98
  Max Chl Dpth (ft)         193.03    Hydr. Depth (ft)          137.53     181.66      56.10
  Conv. Total (cfs)       150276000.0    Conv. (cfs)            121469200.0   21533200.0   7273539.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.42     387.06     965.91
  Min Ch El (ft)            567.21    Shear (lb/sq ft)            0.41       0.54       0.16
  Alpha                       1.07    Stream Power (lb/ft s)      0.74       1.19       0.16
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21407.27    3562.25    4977.88
  C & E Loss (ft)                     Cum SA (acres)            153.20      19.95      76.84


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2826.95*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.62     500  657.57     650   652.1     700  647.89
     950  625.07    1000  622.62    1100  616.72    1250   614.2    1350   614.2
    1475   612.1    1950   612.1    2025  611.89    2300  609.98    2600  605.79
    3000  602.98    3200  600.53    3400   597.9 3489.49  583.74 3578.99  567.21
 3689.49  567.21 3778.99     600 3866.98  660.24 4189.62  710.26 4306.95  722.33
 4482.93   734.9 4658.92  735.62 4702.92  739.75

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3778.99     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3778.99             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.29    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.24    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       467708.60   68837.33   51756.14
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            467708.60   68837.33   51756.14
  Q Total (cfs)           1050416.00    Flow (cfs)              848997.50   150583.10   50835.39
  Top Width (ft)           4702.92    Top Width (ft)           3400.00     378.99     923.93
  Vel Total (ft/s)            1.79    Avg. Vel. (ft/s)            1.82       2.19       0.98
  Max Chl Dpth (ft)         193.03    Hydr. Depth (ft)          137.56     181.63      56.02
  Conv. Total (cfs)       150336200.0    Conv. (cfs)            121509000.0   21551540.0   7275592.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.42     387.43     968.18
  Min Ch El (ft)            567.21    Shear (lb/sq ft)            0.41       0.54       0.16
  Alpha                       1.07    Stream Power (lb/ft s)      0.74       1.18       0.16
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21353.70    3554.37    4971.95
  C & E Loss (ft)                     Cum SA (acres)            152.81      19.91      76.73


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2821.97*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.59     500  657.56     650  652.06     700  647.83
     950  624.94    1000  622.48    1100   616.6    1250  614.12    1350  614.12
    1475  612.06    1950  612.06    2025  611.86    2300  609.98    2600  605.82
    3000     603    3200  600.56    3400  597.94 3489.69  583.76 3579.38  567.21
 3689.69  567.21 3779.38     600 3867.59  660.43 4191.05  710.26 4308.67  722.38
  4485.1  734.99 4661.53   735.7 4705.64  739.84
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3779.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3779.38             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.29    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.24    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       467795.10   68899.37   51813.01
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            467795.10   68899.37   51813.01
  Q Total (cfs)           1050416.00    Flow (cfs)            848933.30   150653.30   50829.41
  Top Width (ft)           4705.64    Top Width (ft)          3400.00     379.38     926.26
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)           1.81       2.19       0.98
  Max Chl Dpth (ft)         193.03    Hydr. Depth (ft)         137.59     181.61      55.94
  Conv. Total (cfs)       150393700.0    Conv. (cfs)           121546400.0   21569840.0   7277522.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        3482.43     387.81     970.46
  Min Ch El (ft)            567.21    Shear (lb/sq ft)           0.41       0.54       0.16
  Alpha                       1.07    Stream Power (lb/ft s)     0.74       1.18       0.16
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21300.12    3546.48    4966.02
  C & E Loss (ft)                     Cum SA (acres)            152.42      19.87      76.63


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2816.99*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.56     500  657.55     650  652.02     700  647.77
     950  624.81    1000  622.35    1100  616.47    1250  614.05    1350  614.05
    1475  612.02    1950  612.02    2025  611.82    2300  609.98    2600  605.85
    3000  603.01    3200  600.58    3400  597.98 3489.88  583.79 3579.77   567.2
 3689.88   567.2 3779.77     600  3868.2  660.61 4192.48  710.27 4310.39  722.43
 4487.27  735.09 4664.15  735.78 4708.37  739.94

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3779.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3779.77             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.29    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.24    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       467886.80   68962.55   51867.64
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            467886.80   68962.55   51867.64
  Q Total (cfs)           1050416.00    Flow (cfs)            848872.70   150724.10   50819.24
  Top Width (ft)           4708.37    Top Width (ft)          3400.00     379.77     928.60
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)           1.81       2.19       0.98
  Max Chl Dpth (ft)         193.04    Hydr. Depth (ft)         137.61     181.59      55.86
  Conv. Total (cfs)       150453400.0    Conv. (cfs)           121585900.0   21588550.0   7278952.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        3482.43     388.20     972.73
  Min Ch El (ft)            567.20    Shear (lb/sq ft)           0.41       0.54       0.16
  Alpha                       1.07    Stream Power (lb/ft s)     0.74       1.18       0.16
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21246.52    3538.58    4960.08
  C & E Loss (ft)                     Cum SA (acres)            152.04      19.82      76.52


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2812.00*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.53     500  657.53     650  651.98     700  647.71
     950  624.68    1000  622.21    1100  616.35    1250  613.97    1350  613.97
    1475  611.98    1950  611.98    2025  611.79    2300  609.98    2600  605.88
    3000  603.03    3200  600.61    3400  598.02 3490.08  583.81 3580.16   567.2
 3690.08   567.2 3780.16     600 3868.82  660.79  4193.9  710.27 4312.12  722.48
 4489.44  735.18 4666.76  735.86 4711.09  740.04

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3780.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3780.16             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.29    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.24    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       467975.90   69024.58   51926.05
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            467975.90   69024.58   51926.05
  Q Total (cfs)           1050416.00    Flow (cfs)            848807.60   150792.50   50815.94
  Top Width (ft)           4711.09    Top Width (ft)          3400.00     380.16     930.93
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)           1.81       2.18       0.98
  Max Chl Dpth (ft)         193.04    Hydr. Depth (ft)         137.64     181.57      55.78
  Conv. Total (cfs)       150512500.0    Conv. (cfs)           121624400.0   21606840.0   7281341.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)        3482.44     388.58     974.99
  Min Ch El (ft)            567.20    Shear (lb/sq ft)           0.41       0.54       0.16
  Alpha                       1.07    Stream Power (lb/ft s)     0.74       1.18       0.16
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21192.92    3530.68    4954.13
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  C & E Loss (ft)                     Cum SA (acres)           151.65      19.78      76.41

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2807.02*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.49     500  657.52     650  651.95     700  647.65
     950  624.55    1000  622.08    1100  616.23    1250  613.89    1350  613.89
    1475  611.95    1950  611.95    2025  611.75    2300  609.98    2600  605.91
    3000  603.04    3200  600.64    3400  598.05 3490.27  583.83 3580.54  567.19
 3690.27  567.19 3780.54     600 3869.43  660.97 4195.33  710.27 4313.84  722.53
 4491.61  735.28 4669.37  735.94 4713.81  740.14

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3780.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3780.54             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.29    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.24    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       468063.40   69087.38   51983.20
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            468063.40   69087.38   51983.20
  Q Total (cfs)          1050416.00    Flow (cfs)             848739.90   150865.70   50810.41
  Top Width (ft)          4713.81    Top Width (ft)           3400.00     380.54     933.27
  Vel Total (ft/s)           1.78    Avg. Vel. (ft/s)            1.81       2.18       0.98
  Max Chl Dpth (ft)        193.05    Hydr. Depth (ft)          137.67     181.55      55.70
  Conv. Total (cfs)      150571300.0    Conv. (cfs)            121662100.0   21625750.0   7283389.0
  Length Wtd. (ft)           4.99    Wetted Per. (ft)         3482.45     388.95     977.27
  Min Ch El (ft)           567.19    Shear (lb/sq ft)            0.41       0.54       0.16
  Alpha                      1.07    Stream Power (lb/ft s)      0.74       1.18       0.16
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    21139.30    3522.77    4948.18
  C & E Loss (ft)                     Cum SA (acres)           151.26      19.73      76.31

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2802.04*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.46     500  657.51     650  651.91     700  647.59
     950  624.42    1000  621.94    1100   616.1    1250  613.81    1350  613.81
    1475  611.91    1950  611.91    2025  611.72    2300  609.98    2600  605.94
    3000  603.06    3200  600.67    3400  598.09 3490.47  583.86 3580.93  567.19
 3690.47  567.19 3780.93     600 3870.04  661.15 4196.76  710.27 4315.56  722.58
 4493.77  735.37 4671.98  736.02 4716.54  740.23

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3780.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3780.93             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.29    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.24    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       468151.30   69148.45   52040.81
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            468151.30   69148.45   52040.81
  Q Total (cfs)          1050416.00    Flow (cfs)             848678.60   150931.80   50805.70
  Top Width (ft)          4716.54    Top Width (ft)           3400.00     380.93     935.61
  Vel Total (ft/s)           1.78    Avg. Vel. (ft/s)            1.81       2.18       0.98
  Max Chl Dpth (ft)        193.05    Hydr. Depth (ft)          137.69     181.53      55.62
  Conv. Total (cfs)      150629100.0    Conv. (cfs)            121700000.0   21643530.0   7285510.0
  Length Wtd. (ft)           4.99    Wetted Per. (ft)         3482.45     389.33     979.55
  Min Ch El (ft)           567.19    Shear (lb/sq ft)            0.41       0.54       0.16
  Alpha                      1.07    Stream Power (lb/ft s)      0.74       1.18       0.16
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    21085.68    3514.85    4942.22
  C & E Loss (ft)                     Cum SA (acres)           150.87      19.69      76.20

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2797.06*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.43     500   657.5     650  651.87     700  647.53
     950  624.29    1000  621.81    1100  615.98    1250  613.74    1350  613.74
    1475  611.87    1950  611.87    2025  611.68    2300  609.98    2600  605.96
    3000  603.07    3200  600.69    3400  598.13 3490.66  583.88 3581.32  567.19
 3690.66  567.19 3781.32     600 3870.65  661.33 4198.18  710.27 4317.29  722.63
 4495.94  735.46  4674.6   736.1 4719.26  740.33

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
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       0     .15    3400     .15 3781.32     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3781.32             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.29    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.24    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       468244.90   69210.44   52097.50
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            468244.90   69210.44   52097.50
  Q Total (cfs)           1050416.00    Flow (cfs)              848618.40   150998.40   50799.25
  Top Width (ft)           4719.26    Top Width (ft)           3400.00     381.32     937.94
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.81       2.18       0.98
  Max Chl Dpth (ft)         193.05    Hydr. Depth (ft)          137.72     181.50      55.54
  Conv. Total (cfs)       150689800.0    Conv. (cfs)            121740500.0   21661810.0   7287521.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.46     389.71     981.81
  Min Ch El (ft)            567.19    Shear (lb/sq ft)            0.41       0.54       0.16
  Alpha                       1.07    Stream Power (lb/ft s)      0.74       1.18       0.16
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21032.05    3506.92    4936.26
  C & E Loss (ft)                     Cum SA (acres)            150.48      19.65      76.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2792.08*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175   673.4     500  657.49     650  651.83     700  647.47
     950  624.16    1000  621.67    1100  615.85    1250  613.66    1350  613.66
    1475  611.83    1950  611.83    2025  611.65    2300  609.98    2600  605.99
    3000  603.09    3200  600.72    3400  598.17 3490.86   583.9 3581.71  567.18
 3690.86  567.18 3781.71     600 3871.26  661.51 4199.61  710.27 4319.01  722.67
 4498.11  735.56 4677.21  736.19 4721.98  740.43

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3781.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3781.71             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.29    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.24    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       468333.10   69274.43   52152.73
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            468333.10   69274.43   52152.73
  Q Total (cfs)           1050416.00    Flow (cfs)              848552.30   151072.60   50791.12
  Top Width (ft)           4721.98    Top Width (ft)           3400.00     381.71     940.27
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.81       2.18       0.97
  Max Chl Dpth (ft)         193.06    Hydr. Depth (ft)          137.75     181.48      55.47
  Conv. Total (cfs)       150748600.0    Conv. (cfs)            121778500.0   21680930.0   7289200.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.47     390.10     984.08
  Min Ch El (ft)            567.18    Shear (lb/sq ft)            0.41       0.54       0.16
  Alpha                       1.07    Stream Power (lb/ft s)      0.74       1.17       0.16
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20978.40    3498.99    4930.29
  C & E Loss (ft)                     Cum SA (acres)            150.09      19.60      75.99


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2787.10*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.37     500  657.47     650  651.79     700  647.41
     950  624.03    1000  621.54    1100  615.73    1250  613.58    1350  613.58
    1475  611.79    1950  611.79    2025  611.61    2300  609.98    2600  606.02
    3000   603.1    3200  600.75    3400  598.21 3491.05  583.93  3582.1  567.18
 3691.05  567.18  3782.1     600 3871.87  661.69 4201.04  710.27 4320.73  722.72
 4500.28  735.65 4679.82  736.27 4724.71  740.53

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3782.1     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400  3782.1             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.29    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.24    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       468425.60   69335.42   52208.96
  E.G. Slope (ft/ft)      0.000049    Area (sq ft)            468425.60   69335.42   52208.96
  Q Total (cfs)           1050416.00    Flow (cfs)              848495.30   151136.50   50784.12
  Top Width (ft)           4724.71    Top Width (ft)           3400.00     382.10     942.61
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.81       2.18       0.97
  Max Chl Dpth (ft)         193.06    Hydr. Depth (ft)          137.77     181.46      55.39
  Conv. Total (cfs)       150808200.0    Conv. (cfs)            121818500.0   21698680.0   7291077.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.47     390.48     986.35
  Min Ch El (ft)            567.18    Shear (lb/sq ft)            0.41       0.54       0.16
  Alpha                       1.07    Stream Power (lb/ft s)      0.74       1.17       0.16
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20924.75    3491.05    4924.31
  C & E Loss (ft)                     Cum SA (acres)            149.70      19.56      75.88
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2782.12*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.34     500  657.46     650  651.75     700  647.35
     950  623.89    1000   621.4    1100   615.6    1250   613.5    1350   613.5
    1475  611.75    1950  611.75    2025  611.58    2300  609.98    2600  606.05
    3000  603.12    3200  600.77    3400  598.25 3491.25  583.95 3582.49  567.18
 3691.25  567.18 3782.49     600 3872.48  661.87 4202.46  710.27 4322.46  722.77
 4502.45  735.75 4682.43  736.35 4727.43  740.62

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3782.49     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3782.49             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.29    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.24    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       468517.30   69397.38   52263.12
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            468517.30   69397.38   52263.12
  Q Total (cfs)           1050416.00    Flow (cfs)              848437.90   151204.20   50773.96
  Top Width (ft)           4727.43    Top Width (ft)           3400.00     382.49     944.94
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.81       2.18       0.97
  Max Chl Dpth (ft)         193.06    Hydr. Depth (ft)          137.80     181.44      55.31
  Conv. Total (cfs)       150867500.0    Conv. (cfs)            121858100.0   21716920.0   7292481.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.48     390.86     988.62
  Min Ch El (ft)            567.18    Shear (lb/sq ft)            0.41       0.54       0.16
  Alpha                       1.07    Stream Power (lb/ft s)      0.74       1.17       0.16
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20871.08    3483.11    4918.33
  C & E Loss (ft)                     Cum SA (acres)            149.31      19.52      75.77


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2777.14*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.31     500  657.45     650  651.71     700  647.29
     950  623.76    1000  621.27    1100  615.48    1250  613.42    1350  613.42
    1475  611.71    1950  611.71    2025  611.54    2300  609.99    2600  606.08
    3000  603.13    3200   600.8    3400  598.29 3491.44  583.97 3582.88  567.17
 3691.44  567.17 3782.88     600  3873.1  662.05 4203.89  710.28 4324.18  722.82
 4504.61  735.84 4685.05  736.43 4730.15  740.72

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3782.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3782.88             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.29    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.24    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       468605.40   69461.30   52316.92
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            468605.40   69461.30   52316.92
  Q Total (cfs)           1050415.00    Flow (cfs)              848372.60   151278.40   50763.88
  Top Width (ft)           4730.15    Top Width (ft)           3400.00     382.88     947.27
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.81       2.18       0.97
  Max Chl Dpth (ft)         193.07    Hydr. Depth (ft)          137.83     181.42      55.23
  Conv. Total (cfs)       150926000.0    Conv. (cfs)            121896100.0   21736020.0   7293867.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.49     391.24     990.89
  Min Ch El (ft)            567.17    Shear (lb/sq ft)            0.41       0.54       0.16
  Alpha                       1.07    Stream Power (lb/ft s)      0.74       1.17       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20817.41    3475.15    4912.34
  C & E Loss (ft)                     Cum SA (acres)            148.92      19.47      75.66


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2772.16*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.27     500  657.44     650  651.67     700  647.23
     950  623.63    1000  621.13    1100  615.35    1250  613.35    1350  613.35
    1475  611.67    1950  611.67    2025  611.51    2300  609.99    2600  606.11
    3000  603.15    3200  600.83    3400  598.33 3491.63     584 3583.27  567.17
 3691.63  567.17 3783.27     600 3873.71  662.23 4205.32  710.28  4325.9  722.87
 4506.78  735.94 4687.66  736.51 4732.88  740.82

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3783.27     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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          3400 3783.27             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.29    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.24    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       468692.90   69522.24   52370.22
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            468692.90   69522.24   52370.22
  Q Total (cfs)           1050415.00    Flow (cfs)             848316.80   151344.80   50753.33
  Top Width (ft)           4732.88    Top Width (ft)           3400.00     383.27     949.61
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.81       2.18       0.97
  Max Chl Dpth (ft)         193.07    Hydr. Depth (ft)          137.85     181.39      55.15
  Conv. Total (cfs)       150982700.0    Conv. (cfs)            121933900.0   21753740.0   7295093.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.49     391.62     993.16
  Min Ch El (ft)            567.17    Shear (lb/sq ft)            0.41       0.54       0.16
  Alpha                       1.07    Stream Power (lb/ft s)      0.74       1.17       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20763.72    3467.19    4906.34
  C & E Loss (ft)                     Cum SA (acres)            148.53      19.43      75.55


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2767.18*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.24     500  657.43     650  651.63     700  647.17
     950   623.5    1000     621    1100  615.23    1250  613.27    1350  613.27
    1475  611.63    1950  611.63    2025  611.47    2300  609.99    2600  606.13
    3000  603.16    3200  600.86    3400  598.37 3491.83  584.02 3583.66  567.16
 3691.83  567.16 3783.66     600 3874.32  662.41 4206.74  710.28 4327.63  722.92
 4508.95  736.03 4690.27  736.59  4735.6  740.91

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3783.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3783.66             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.29    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.24    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       468787.40   69586.15   52425.11
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            468787.40   69586.15   52425.11
  Q Total (cfs)           1050415.00    Flow (cfs)             848255.30   151415.80   50743.86
  Top Width (ft)           4735.60    Top Width (ft)           3400.00     383.66     951.94
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.81       2.18       0.97
  Max Chl Dpth (ft)         193.08    Hydr. Depth (ft)          137.88     181.37      55.07
  Conv. Total (cfs)       151044200.0    Conv. (cfs)            121974700.0   21772800.0   7296703.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.50     392.00     995.44
  Min Ch El (ft)            567.16    Shear (lb/sq ft)            0.41       0.54       0.16
  Alpha                       1.07    Stream Power (lb/ft s)      0.74       1.17       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20710.02    3459.22    4900.34
  C & E Loss (ft)                     Cum SA (acres)            148.14      19.38      75.44


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2762.20*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.21     500  657.41     650   651.6     700  647.11
     950  623.37    1000  620.86    1100  615.11    1250  613.19    1350  613.19
    1475   611.6    1950   611.6    2025  611.44    2300  609.99    2600  606.16
    3000  603.18    3200  600.88    3400   598.4 3492.02  584.04 3584.05  567.16
 3692.02  567.16 3784.05     600 3874.93  662.59 4208.17  710.28 4329.35  722.97
 4511.12  736.13 4692.88  736.67 4738.33  741.01

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3784.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3784.05             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.29    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.23    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       468872.60   69648.48   52477.78
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            468872.60   69648.48   52477.78
  Q Total (cfs)           1050415.00    Flow (cfs)             848194.40   151487.90   50732.60
  Top Width (ft)           4738.33    Top Width (ft)           3400.00     384.05     954.28
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.81       2.18       0.97
  Max Chl Dpth (ft)         193.07    Hydr. Depth (ft)          137.90     181.35      54.99
  Conv. Total (cfs)       151100600.0    Conv. (cfs)            122011500.0   21791310.0   7297807.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.51     392.38     997.71
  Min Ch El (ft)            567.16    Shear (lb/sq ft)            0.41       0.54       0.16
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       1.16       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20656.32    3451.25    4894.33
  C & E Loss (ft)                     Cum SA (acres)            147.75      19.34      75.33


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2757.22*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.18     500   657.4     650  651.56     700  647.05
     950  623.24    1000  620.73    1100  614.98    1250  613.11    1350  613.11
    1475  611.56    1950  611.56    2025   611.4    2300  609.99    2600  606.19
    3000  603.19    3200  600.91    3400  598.44 3492.22  584.07 3584.44  567.16
 3692.22  567.16 3784.44     600 3875.54  662.77  4209.6  710.28 4331.07  723.02
 4513.28  736.22  4695.5  736.75 4741.05  741.11

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3784.44     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3784.44              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.29    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.23    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       468964.30   69709.38   52531.70
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            468964.30   69709.38   52531.70
  Q Total (cfs)           1050415.00    Flow (cfs)             848140.10   151551.90   50723.00
  Top Width (ft)           4741.05    Top Width (ft)           3400.00     384.44     956.61
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.81       2.17       0.97
  Max Chl Dpth (ft)         193.07    Hydr. Depth (ft)          137.93     181.33      54.91
  Conv. Total (cfs)       151159300.0    Conv. (cfs)            122051100.0   21808980.0   7299262.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.51     392.76     999.98
  Min Ch El (ft)            567.16    Shear (lb/sq ft)            0.41       0.54       0.16
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       1.16       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20602.60    3443.27    4888.31
  C & E Loss (ft)                     Cum SA (acres)            147.36      19.30      75.23


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2752.24*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.15     500  657.39     650  651.52     700  646.99
     950  623.11    1000  620.59    1100  614.86    1250  613.04    1350  613.04
    1475  611.52    1950  611.52    2025  611.37    2300  609.99    2600  606.22
    3000   603.2    3200  600.94    3400  598.48 3492.41  584.09 3584.82  567.15
 3692.41  567.15 3784.82     600 3876.15  662.95 4211.02  710.28  4332.8  723.07
 4515.45  736.31 4698.11  736.83 4743.77  741.21

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3784.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3784.82              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.29    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.23    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       469051.70   69771.55   52586.45
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            469051.70   69771.55   52586.45
  Q Total (cfs)           1050415.00    Flow (cfs)             848077.60   151622.50   50714.80
  Top Width (ft)           4743.77    Top Width (ft)           3400.00     384.82     958.95
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.81       2.17       0.96
  Max Chl Dpth (ft)         193.08    Hydr. Depth (ft)          137.96     181.31      54.84
  Conv. Total (cfs)       151217200.0    Conv. (cfs)            122088800.0   21827500.0   7300878.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.52     393.14    1002.25
  Min Ch El (ft)            567.15    Shear (lb/sq ft)            0.41       0.53       0.16
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       1.16       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20548.87    3435.28    4882.29
  C & E Loss (ft)                     Cum SA (acres)            146.97      19.25      75.12


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2747.26*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.12     500  657.38     650  651.48     700  646.93
     950  622.98    1000  620.46    1100  614.73    1250  612.96    1350  612.96
    1475  611.48    1950  611.48    2025  611.33    2300  609.99    2600  606.25
    3000  603.22    3200  600.96    3400  598.52 3492.61  584.11 3585.21  567.15
 3692.61  567.15 3785.21     600 3876.76  663.14 4212.45  710.28 4334.52  723.12
 4517.62  736.41 4700.72  736.92  4746.5   741.3

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3785.21     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3785.21              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
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  E.G. Elev (ft)            760.29    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.23    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       469142.80   69833.36   52635.09
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            469142.80   69833.36   52635.09
  Q Total (cfs)           1050415.00    Flow (cfs)              848027.70   151690.80   50696.50
  Top Width (ft)           4746.50    Top Width (ft)           3400.00     385.21     961.29
  Vel Total (ft/s)            1.78    Avg. Vel. (ft/s)            1.81       2.17       0.96
  Max Chl Dpth (ft)         193.08    Hydr. Depth (ft)          137.98     181.29      54.75
  Conv. Total (cfs)       151274800.0    Conv. (cfs)            122128200.0   21845660.0   7301023.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.53     393.52    1004.54
  Min Ch El (ft)            567.15    Shear (lb/sq ft)            0.41       0.53       0.16
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       1.16       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20495.14    3427.28    4876.27
  C & E Loss (ft)                     Cum SA (acres)            146.58      19.21      75.01


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2742.28*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.09     500  657.37     650  651.44     700  646.87
     950  622.85    1000  620.32    1100  614.61    1250  612.88    1350  612.88
    1475  611.44    1950  611.44    2025   611.3    2300  609.99    2600  606.28
    3000  603.23    3200  600.99    3400  598.56  3492.8  584.14  3585.6  567.14
  3692.8  567.14  3785.6     600 3877.38  663.32 4213.88  710.29 4336.24  723.17
 4519.79   736.5 4703.33     737 4749.22   741.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3785.6     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400  3785.6             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.28    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.23    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       469232.50   69896.26   52686.24
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            469232.50   69896.26   52686.24
  Q Total (cfs)           1050415.00    Flow (cfs)              847970.90   151761.20   50682.95
  Top Width (ft)           4749.22    Top Width (ft)           3400.00     385.60     963.62
  Vel Total (ft/s)            1.77    Avg. Vel. (ft/s)            1.81       2.17       0.96
  Max Chl Dpth (ft)         193.09    Hydr. Depth (ft)          138.01     181.27      54.68
  Conv. Total (cfs)       151333000.0    Conv. (cfs)            122166900.0   21864190.0   7301878.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.54     393.90    1006.81
  Min Ch El (ft)            567.14    Shear (lb/sq ft)            0.41       0.53       0.16
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       1.16       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20441.39    3419.28    4870.23
  C & E Loss (ft)                     Cum SA (acres)            146.19      19.16      74.90


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2737.30*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.05     500  657.35     650   651.4     700  646.81
     950  622.72    1000  620.19    1100  614.48    1250   612.8    1350   612.8
    1475   611.4    1950   611.4    2025  611.26    2300  609.99    2600  606.31
    3000  603.25    3200  601.02    3400   598.6    3493  584.16 3585.99  567.14
    3693  567.14 3785.99     600 3877.99   663.5  4215.3  710.29 4337.96  723.22
 4521.96   736.6 4705.95  737.08 4751.94   741.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3785.99     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3785.99             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.28    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.23    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       469326.20   69958.02   52736.63
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            469326.20   69958.02   52736.63
  Q Total (cfs)           1050415.00    Flow (cfs)              847919.60   151827.60   50667.84
  Top Width (ft)           4751.94    Top Width (ft)           3400.00     385.99     965.95
  Vel Total (ft/s)            1.77    Avg. Vel. (ft/s)            1.81       2.17       0.96
  Max Chl Dpth (ft)         193.09    Hydr. Depth (ft)          138.04     181.24      54.60
  Conv. Total (cfs)       151392300.0    Conv. (cfs)            122207400.0   21882320.0   7302560.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.54     394.28    1009.08
  Min Ch El (ft)            567.14    Shear (lb/sq ft)            0.41       0.53       0.16
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       1.16       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20387.63    3411.27    4864.20
  C & E Loss (ft)                     Cum SA (acres)            145.80      19.12      74.78


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
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REACH: LOWER PALUXY       RS: 2732.32*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  673.02     500  657.34     650  651.36     700  646.75
     950  622.59    1000  620.05    1100  614.36    1250  612.72    1350  612.72
    1475  611.36    1950  611.36    2025  611.23    2300  609.99    2600  606.33
    3000  603.26    3200  601.05    3400  598.64 3493.19  584.18 3586.38  567.14
 3693.19  567.14 3786.38     600  3878.6  663.68 4216.73  710.29 4339.69  723.27
 4524.12  736.69 4708.56  737.16 4754.67   741.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3786.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3786.38             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.28    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.23    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       469419.60   70019.79   52789.15
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            469419.60   70019.79   52789.15
  Q Total (cfs)           1050415.00    Flow (cfs)              847865.60   151893.60   50655.79
  Top Width (ft)           4754.67    Top Width (ft)           3400.00     386.38     968.29
  Vel Total (ft/s)            1.77    Avg. Vel. (ft/s)            1.81       2.17       0.96
  Max Chl Dpth (ft)         193.09    Hydr. Depth (ft)          138.06     181.22      54.52
  Conv. Total (cfs)       151452000.0    Conv. (cfs)            122247800.0   21900480.0   7303703.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.55     394.66    1011.35
  Min Ch El (ft)            567.14    Shear (lb/sq ft)            0.40       0.53       0.16
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       1.16       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20333.86    3403.25    4858.15
  C & E Loss (ft)                     Cum SA (acres)            145.41      19.08      74.67


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2727.34*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.99     500  657.33     650  651.32     700   646.7
     950  622.45    1000  619.92    1100  614.23    1250  612.65    1350  612.65
    1475  611.32    1950  611.32    2025  611.19    2300  609.99    2600  606.36
    3000  603.28    3200  601.07    3400  598.68 3493.39  584.21 3586.77  567.13
 3693.39  567.13 3786.77     600 3879.21  663.86 4218.16  710.29 4341.41  723.32
 4526.29  736.79 4711.17  737.24 4757.39  741.69

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3786.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3786.77             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.28    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.23    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       469508.00   70082.62   52839.28
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            469508.00   70082.62   52839.28
  Q Total (cfs)           1050415.00    Flow (cfs)              847809.80   151964.30   50640.82
  Top Width (ft)           4757.39    Top Width (ft)           3400.00     386.77     970.62
  Vel Total (ft/s)            1.77    Avg. Vel. (ft/s)            1.81       2.17       0.96
  Max Chl Dpth (ft)         193.10    Hydr. Depth (ft)          138.09     181.20      54.44
  Conv. Total (cfs)       151509200.0    Conv. (cfs)            122286000.0   21918950.0   7304306.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.56     395.05    1013.63
  Min Ch El (ft)            567.13    Shear (lb/sq ft)            0.40       0.53       0.16
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       1.15       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20280.08    3395.23    4852.10
  C & E Loss (ft)                     Cum SA (acres)            145.02      19.03      74.56


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2722.36*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.96     500  657.32     650  651.28     700  646.64
     950  622.32    1000  619.78    1100  614.11    1250  612.57    1350  612.57
    1475  611.28    1950  611.28    2025  611.16    2300  609.99    2600  606.39
    3000  603.29    3200   601.1    3400  598.72 3493.58  584.23 3587.16  567.13
 3693.58  567.13 3787.16     600 3879.82  664.04 4219.58  710.29 4343.13  723.37
 4528.46  736.88 4713.78  737.32 4760.12  741.79

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3787.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3787.16             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.28    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
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  W.S. Elev (ft)            760.23    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       469597.60   70144.32   52890.59
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            469597.60   70144.32   52890.59
  Q Total (cfs)           1050415.00    Flow (cfs)              847755.30   152032.00   50627.68
  Top Width (ft)           4760.12    Top Width (ft)           3400.00     387.16     972.96
  Vel Total (ft/s)            1.77    Avg. Vel. (ft/s)            1.81       2.17       0.96
  Max Chl Dpth (ft)         193.10    Hydr. Depth (ft)          138.12     181.18      54.36
  Conv. Total (cfs)       151566900.0    Conv. (cfs)            122324700.0   21937070.0   7305191.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.57     395.43    1015.91
  Min Ch El (ft)            567.13    Shear (lb/sq ft)            0.40       0.53       0.16
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       1.15       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20226.29    3387.19    4846.04
  C & E Loss (ft)                     Cum SA (acres)            144.63      18.99      74.45


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2717.37*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.93     500  657.31     650  651.25     700  646.58
     950  622.19    1000  619.65    1100  613.98    1250  612.49    1350  612.49
    1475  611.25    1950  611.25    2025  611.12    2300  609.99    2600  606.42
    3000  603.31    3200  601.13    3400  598.75 3493.77  584.25 3587.55  567.12
 3693.77  567.12 3787.55     600 3880.43  664.22 4221.01  710.29 4344.86  723.42
 4530.63  736.98  4716.4   737.4 4762.84  741.89

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3787.55     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3787.55             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.28    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.23    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       469680.70   70208.52   52939.88
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            469680.70   70208.52   52939.88
  Q Total (cfs)           1050415.00    Flow (cfs)              847692.80   152109.80   50612.44
  Top Width (ft)           4762.84    Top Width (ft)           3400.00     387.55     975.29
  Vel Total (ft/s)            1.77    Avg. Vel. (ft/s)            1.80       2.17       0.96
  Max Chl Dpth (ft)         193.11    Hydr. Depth (ft)          138.14     181.16      54.28
  Conv. Total (cfs)       151622600.0    Conv. (cfs)            122360600.0   21956350.0   7305673.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.58     395.81    1018.18
  Min Ch El (ft)            567.12    Shear (lb/sq ft)            0.40       0.53       0.16
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       1.15       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20172.49    3379.15    4839.98
  C & E Loss (ft)                     Cum SA (acres)            144.25      18.94      74.34


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2712.39*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175   672.9     500  657.29     650  651.21     700  646.52
     950  622.06    1000  619.51    1100  613.86    1250  612.41    1350  612.41
    1475  611.21    1950  611.21    2025  611.09    2300  609.99    2600  606.45
    3000  603.32    3200  601.16    3400  598.79 3493.97  584.28 3587.94  567.12
 3693.97  567.12 3787.94     600 3881.04   664.4 4222.44  710.29 4346.58  723.47
  4532.8  737.07 4719.01  737.48 4765.56  741.98

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3787.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3787.94             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.28    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.23    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       469772.60   70269.24   52990.80
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            469772.60   70269.24   52990.80
  Q Total (cfs)           1050415.00    Flow (cfs)              847643.10   152173.20   50598.75
  Top Width (ft)           4765.56    Top Width (ft)           3400.00     387.94     977.62
  Vel Total (ft/s)            1.77    Avg. Vel. (ft/s)            1.80       2.17       0.95
  Max Chl Dpth (ft)         193.11    Hydr. Depth (ft)          138.17     181.13      54.20
  Conv. Total (cfs)       151680700.0    Conv. (cfs)            122400300.0   21973920.0   7306496.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.58     396.19    1020.45
  Min Ch El (ft)            567.12    Shear (lb/sq ft)            0.40       0.53       0.16
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       1.15       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20118.69    3371.11    4833.92
  C & E Loss (ft)                     Cum SA (acres)            143.86      18.90      74.23


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2707.41*

INPUT
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Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.87     500  657.28     650  651.17     700  646.46
     950  621.93    1000  619.38    1100  613.74    1250  612.33    1350  612.33
    1475  611.17    1950  611.17    2025  611.05    2300  609.99    2600  606.48
    3000  603.34    3200  601.18    3400  598.83 3494.16   584.3 3588.33  567.12
 3694.16  567.12 3788.33     600 3881.66  664.58 4223.86  710.29  4348.3  723.52
 4534.96  737.17 4721.62  737.57 4768.29  742.08

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3788.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3788.33             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.28    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.23    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       469862.20   70330.93   53038.42
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            469862.20   70330.93   53038.42
  Q Total (cfs)           1050415.00    Flow (cfs)            847593.30   152241.40   50580.36
  Top Width (ft)           4768.29    Top Width (ft)           3400.00     388.33     979.96
  Vel Total (ft/s)            1.77    Avg. Vel. (ft/s)            1.80       2.16       0.95
  Max Chl Dpth (ft)         193.11    Hydr. Depth (ft)          138.19     181.11      54.12
  Conv. Total (cfs)       151737600.0    Conv. (cfs)            122439000.0   21992020.0   7306582.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.59     396.57    1022.73
  Min Ch El (ft)            567.12    Shear (lb/sq ft)            0.40       0.53       0.16
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       1.15       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20064.87    3363.05    4827.84
  C & E Loss (ft)                     Cum SA (acres)            143.47      18.85      74.12


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2702.43*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.83     500  657.27     650  651.13     700   646.4
     950   621.8    1000  619.25    1100  613.61    1250  612.26    1350  612.26
    1475  611.13    1950  611.13    2025  611.02    2300  609.99    2600  606.51
    3000  603.35    3200  601.21    3400  598.87 3494.36  584.32 3588.72  567.11
 3694.36  567.11 3788.72     600 3882.27  664.76 4225.29   710.3 4350.03  723.57
 4537.13  737.26 4724.23  737.65 4771.01  742.18

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3788.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3788.72             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.28    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.23    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       469952.70   70394.63   53086.28
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            469952.70   70394.63   53086.28
  Q Total (cfs)           1050415.00    Flow (cfs)            847538.80   152314.00   50562.25
  Top Width (ft)           4771.01    Top Width (ft)           3400.00     388.72     982.29
  Vel Total (ft/s)            1.77    Avg. Vel. (ft/s)            1.80       2.16       0.95
  Max Chl Dpth (ft)         193.12    Hydr. Depth (ft)          138.22     181.09      54.04
  Conv. Total (cfs)       151795900.0    Conv. (cfs)            122478100.0   22010950.0   7306770.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.60     396.96    1025.00
  Min Ch El (ft)            567.11    Shear (lb/sq ft)            0.40       0.53       0.15
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       1.15       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20011.04    3354.99    4821.76
  C & E Loss (ft)                     Cum SA (acres)            143.08      18.81      74.00


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2697.45*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175   672.8     500  657.26     650  651.09     700  646.34
     950  621.67    1000  619.11    1100  613.49    1250  612.18    1350  612.18
    1475  611.09    1950  611.09    2025  610.98    2300  609.99    2600  606.53
    3000  603.37    3200  601.24    3400  598.91 3494.55  584.35  3589.1  567.11
 3694.55  567.11  3789.1     600 3882.88  664.94 4226.72   710.3 4351.75  723.61
  4539.3  737.35 4726.85  737.73 4773.73  742.28

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3789.1     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400  3789.1             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.28    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.23    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       470044.50   70453.65   53138.71
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            470044.50   70453.65   53138.71
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  Q Total (cfs)           1050415.00    Flow (cfs)              847489.90   152373.70   50551.35
  Top Width (ft)           4773.73    Top Width (ft)           3400.00     389.10     984.63
  Vel Total (ft/s)            1.77    Avg. Vel. (ft/s)            1.80       2.16       0.95
  Max Chl Dpth (ft)         193.12    Hydr. Depth (ft)          138.25     181.07      53.97
  Conv. Total (cfs)       151853800.0    Conv. (cfs)            122517800.0   22027990.0   7307984.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.61     397.33    1027.28
  Min Ch El (ft)            567.11    Shear (lb/sq ft)            0.40       0.53       0.15
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       1.15       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19957.20    3346.93    4815.68
  C & E Loss (ft)                     Cum SA (acres)            142.69      18.76      73.89


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2692.47*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.77     500  657.25     650  651.05     700  646.28
     950  621.54    1000  618.98    1100  613.36    1250   612.1    1350   612.1
    1475  611.05    1950  611.05    2025  610.95    2300  609.99    2600  606.56
    3000  603.38    3200  601.26    3400  598.95 3494.75  584.37 3589.49  567.11
 3694.75  567.11 3789.49     600 3883.49  665.12 4228.14   710.3 4353.47  723.66
 4541.47  737.45 4729.46  737.81 4776.46  742.37

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3789.49     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3789.49             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.28    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.23    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       470136.80   70515.28   53186.26
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            470136.80   70515.28   53186.26
  Q Total (cfs)           1050415.00    Flow (cfs)              847442.20   152440.40   50532.41
  Top Width (ft)           4776.46    Top Width (ft)           3400.00     389.49     986.97
  Vel Total (ft/s)            1.77    Avg. Vel. (ft/s)            1.80       2.16       0.95
  Max Chl Dpth (ft)         193.12    Hydr. Depth (ft)          138.28     181.05      53.89
  Conv. Total (cfs)       151911800.0    Conv. (cfs)            122557700.0   22046040.0   7308035.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.61     397.71    1029.56
  Min Ch El (ft)            567.11    Shear (lb/sq ft)            0.40       0.53       0.15
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       1.14       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19903.34    3338.85    4809.59
  C & E Loss (ft)                     Cum SA (acres)            142.30      18.72      73.78


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2687.49*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.74     500  657.23     650  651.01     700  646.22
     950  621.41    1000  618.84    1100  613.24    1250  612.02    1350  612.02
    1475  611.01    1950  611.01    2025  610.91    2300  609.99    2600  606.59
    3000   603.4    3200  601.29    3400  598.99 3494.94  584.39 3589.88   567.1
 3694.94   567.1 3789.88     600  3884.1   665.3 4229.57   710.3  4355.2  723.71
 4543.63  737.54 4732.07  737.89 4779.18  742.47

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3789.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3789.88             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.28    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.23    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       470227.60   70578.88   53235.23
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            470227.60   70578.88   53235.23
  Q Total (cfs)           1050415.00    Flow (cfs)              847386.60   152512.30   50516.22
  Top Width (ft)           4779.18    Top Width (ft)           3400.00     389.88     989.30
  Vel Total (ft/s)            1.77    Avg. Vel. (ft/s)            1.80       2.16       0.95
  Max Chl Dpth (ft)         193.13    Hydr. Depth (ft)          138.30     181.03      53.81
  Conv. Total (cfs)       151970500.0    Conv. (cfs)            122597000.0   22064950.0   7308516.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.62     398.10    1031.83
  Min Ch El (ft)            567.10    Shear (lb/sq ft)            0.40       0.53       0.15
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       1.14       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19849.48    3330.77    4803.49
  C & E Loss (ft)                     Cum SA (acres)            141.91      18.68      73.66


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2682.51*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
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```
       0     680     175  672.71     500  657.22     650  650.97     700  646.16
     950  621.28    1000  618.71    1100  613.11    1250  611.95    1350  611.95
    1475  610.97    1950  610.97    2025  610.88    2300  609.99    2600  606.62
    3000  603.41    3200  601.32    3400  599.03 3495.14  584.42 3590.27   567.1
 3695.14   567.1 3790.27     600 3884.71  665.48    4231   710.3 4356.92  723.76
  4545.8  737.64 4734.69  737.97 4781.91  742.57

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3790.27     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3790.27             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.28    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.23    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       470315.60   70639.57   53282.07
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            470315.60   70639.57   53282.07
  Q Total (cfs)           1050415.00    Flow (cfs)              847339.80   152577.70   50497.50
  Top Width (ft)           4781.91    Top Width (ft)           3400.00     390.27     991.64
  Vel Total (ft/s)            1.77    Avg. Vel. (ft/s)            1.80       2.16       0.95
  Max Chl Dpth (ft)         193.13    Hydr. Depth (ft)          138.33     181.00      53.73
  Conv. Total (cfs)       152026000.0    Conv. (cfs)            122635000.0   22082490.0   7308475.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.63     398.48    1034.11
  Min Ch El (ft)            567.10    Shear (lb/sq ft)            0.40       0.53       0.15
  Alpha                       1.07    Stream Power (lb/ft s)      0.73       1.14       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19795.61    3322.68    4797.39
  C & E Loss (ft)                     Cum SA (acres)            141.52      18.63      73.55


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2677.53*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.68     500  657.21     650  650.93     700   646.1
     950  621.14    1000  618.57    1100  612.99    1250  611.87    1350  611.87
    1475  610.93    1950  610.93    2025  610.84    2300  609.99    2600  606.65
    3000  603.42    3200  601.35    3400  599.07 3495.33  584.44 3590.66  567.09
 3695.33  567.09 3790.66     600 3885.32  665.66 4232.42   710.3 4358.64  723.81
 4547.97  737.73  4737.3  738.05 4784.63  742.67

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3790.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3790.66             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.28    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.22    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       470408.40   70703.11   53329.92
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            470408.40   70703.11   53329.92
  Q Total (cfs)           1050414.00    Flow (cfs)              847286.10   152648.50   50479.50
  Top Width (ft)           4784.63    Top Width (ft)           3400.00     390.66     993.97
  Vel Total (ft/s)            1.77    Avg. Vel. (ft/s)            1.80       2.16       0.95
  Max Chl Dpth (ft)         193.13    Hydr. Depth (ft)          138.36     180.98      53.65
  Conv. Total (cfs)       152085300.0    Conv. (cfs)            122675200.0   22101370.0   7308726.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.64     398.86    1036.38
  Min Ch El (ft)            567.09    Shear (lb/sq ft)            0.40       0.53       0.15
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       1.14       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19741.73    3314.59    4791.29
  C & E Loss (ft)                     Cum SA (acres)            141.13      18.59      73.44


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2672.55*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.65     500   657.2     650  650.89     700  646.04
     950  621.01    1000  618.44    1100  612.86    1250  611.79    1350  611.79
    1475  610.89    1950  610.89    2025  610.81    2300  609.99    2600  606.68
    3000  603.44    3200  601.37    3400  599.11 3495.53  584.46 3591.05  567.09
 3695.53  567.09 3791.05     600 3885.94  665.84 4233.85   710.3 4360.37  723.86
 4550.14  737.83 4739.91  738.13 4787.35  742.76

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3791.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3791.05             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.28    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.22    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       470497.40   70764.68   53376.66
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            470497.40   70764.68   53376.66
  Q Total (cfs)           1050414.00    Flow (cfs)              847237.30   152716.10   50460.59
  Top Width (ft)           4787.35    Top Width (ft)           3400.00     391.05     996.30
  Vel Total (ft/s)            1.77    Avg. Vel. (ft/s)            1.80       2.16       0.95
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  Max Chl Dpth (ft)         193.13    Hydr. Depth (ft)          138.38     180.96      53.57
  Conv. Total (cfs)       152141700.0    Conv. (cfs)            122713600.0   22119370.0   7308699.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.65     399.24    1038.66
  Min Ch El (ft)            567.09    Shear (lb/sq ft)            0.40       0.53       0.15
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       1.14       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19687.84    3306.48    4785.17
  C & E Loss (ft)                     Cum SA (acres)            140.74      18.54      73.32


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2667.57*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.61     500  657.19     650  650.86     700  645.98
     950  620.88    1000   618.3    1100  612.74    1250  611.71    1350  611.71
    1475  610.86    1950  610.86    2025  610.77    2300  609.99    2600  606.71
    3000  603.45    3200   601.4    3400  599.14 3495.72  584.49 3591.44  567.09
 3695.72  567.09 3791.44     600 3886.55  666.03 4235.28   710.3 4362.09  723.91
 4552.31  737.92 4742.52  738.21 4790.08  742.86

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3791.44     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3791.44             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.28    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.22    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       470585.80   70825.77   53422.16
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            470585.80   70825.77   53422.16
  Q Total (cfs)           1050414.00    Flow (cfs)              847190.90   152783.30   50439.82
  Top Width (ft)           4790.08    Top Width (ft)           3400.00     391.44     998.64
  Vel Total (ft/s)            1.77    Avg. Vel. (ft/s)            1.80       2.16       0.94
  Max Chl Dpth (ft)         193.13    Hydr. Depth (ft)          138.41     180.94      53.49
  Conv. Total (cfs)       152197500.0    Conv. (cfs)            122751900.0   22137200.0   7308370.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.66     399.62    1040.95
  Min Ch El (ft)            567.09    Shear (lb/sq ft)            0.40       0.53       0.15
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       1.14       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19633.93    3298.37    4779.06
  C & E Loss (ft)                     Cum SA (acres)            140.35      18.50      73.21


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2662.59*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.58     500  657.17     650  650.82     700  645.92
     950  620.75    1000  618.17    1100  612.61    1250  611.63    1350  611.63
    1475  610.82    1950  610.82    2025  610.74    2300  609.99    2600  606.73
    3000  603.47    3200  601.43    3400  599.18 3495.91  584.51 3591.83  567.08
 3695.91  567.08 3791.83     600 3887.16  666.21 4236.71  710.31 4363.81  723.96
 4554.47  738.02 4745.14   738.3  4792.8  742.96

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3791.83     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3791.83             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.27    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.22    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       470678.40   70889.27   53463.49
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            470678.40   70889.27   53463.49
  Q Total (cfs)           1050414.00    Flow (cfs)              847146.30   152855.30   50412.48
  Top Width (ft)           4792.80    Top Width (ft)           3400.00     391.83    1000.97
  Vel Total (ft/s)            1.77    Avg. Vel. (ft/s)            1.80       2.16       0.94
  Max Chl Dpth (ft)         193.14    Hydr. Depth (ft)          138.43     180.92      53.41
  Conv. Total (cfs)       152255200.0    Conv. (cfs)            122792000.0   22156040.0   7307178.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.67     400.01    1043.22
  Min Ch El (ft)            567.08    Shear (lb/sq ft)            0.40       0.53       0.15
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       1.14       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19580.02    3290.26    4772.94
  C & E Loss (ft)                     Cum SA (acres)            139.96      18.45      73.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2657.61*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.55     500  657.16     650  650.78     700  645.86
     950  620.62    1000  618.03    1100  612.49    1250  611.56    1350  611.56
    1475  610.78    1950  610.78    2025   610.7    2300  609.99    2600  606.76
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    3000  603.48    3200  601.46    3400  599.22 3496.11  584.53 3592.22  567.08
 3696.11  567.08 3792.22     600 3887.77  666.39 4238.13  710.31 4365.54  724.01
 4556.64  738.11 4747.75  738.38 4795.52  743.05

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3792.22     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3792.22             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.27    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.22    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       470767.70   70950.80   53510.37
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            470767.70   70950.80   53510.37
  Q Total (cfs)           1050414.00    Flow (cfs)              847097.50   152922.60   50393.99
  Top Width (ft)           4795.52    Top Width (ft)           3400.00     392.22    1003.30
  Vel Total (ft/s)            1.76    Avg. Vel. (ft/s)            1.80       2.16       0.94
  Max Chl Dpth (ft)         193.14    Hydr. Depth (ft)          138.46     180.90      53.33
  Conv. Total (cfs)       152311800.0    Conv. (cfs)            122830600.0   22174030.0   7307215.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.67     400.39    1045.50
  Min Ch El (ft)            567.08    Shear (lb/sq ft)            0.40       0.53       0.15
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       1.13       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19526.10    3282.13    4766.81
  C & E Loss (ft)                     Cum SA (acres)            139.57      18.41      72.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2652.63*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.52     500  657.15     650  650.74     700   645.8
     950  620.49    1000   617.9    1100  612.37    1250  611.48    1350  611.48
    1475  610.74    1950  610.74    2025  610.67    2300  609.99    2600  606.79
    3000   603.5    3200  601.48    3400  599.26  3496.3  584.56 3592.61  567.07
  3696.3  567.07 3792.61     600 3888.38  666.57 4239.56  710.31 4367.26  724.06
 4558.81   738.2 4750.36  738.46 4798.25  743.15

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3792.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3792.61             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.27    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.22    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       470855.60   71013.35   53556.81
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            470855.60   71013.35   53556.81
  Q Total (cfs)           1050414.00    Flow (cfs)              847046.50   152992.40   50375.03
  Top Width (ft)           4798.25    Top Width (ft)           3400.00     392.61    1005.64
  Vel Total (ft/s)            1.76    Avg. Vel. (ft/s)            1.80       2.15       0.94
  Max Chl Dpth (ft)         193.15    Hydr. Depth (ft)          138.49     180.88      53.26
  Conv. Total (cfs)       152368100.0    Conv. (cfs)            122868600.0   22192360.0   7307166.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.68     400.77    1047.78
  Min Ch El (ft)            567.07    Shear (lb/sq ft)            0.40       0.53       0.15
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       1.13       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19472.16    3274.00    4760.68
  C & E Loss (ft)                     Cum SA (acres)            139.18      18.36      72.86


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2647.65*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.49     500  657.14     650   650.7     700  645.74
     950  620.36    1000  617.76    1100  612.24    1250   611.4    1350   611.4
    1475   610.7    1950   610.7    2025  610.63    2300  609.99    2600  606.82
    3000  603.51    3200  601.51    3400   599.3  3496.5  584.58    3593  567.07
  3696.5  567.07    3793     600 3888.99  666.75 4240.99  710.31 4368.98  724.11
 4560.98   738.3 4752.97  738.54 4800.97  743.25

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3793     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3793             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.27    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.22    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       470948.00   71074.80   53600.84
  E.G. Slope (ft/ft)      0.000047    Area (sq ft)            470948.00   71074.80   53600.84
  Q Total (cfs)           1050414.00    Flow (cfs)              847003.20   153058.50   50352.31
  Top Width (ft)           4800.97    Top Width (ft)           3400.00     393.00    1007.97
  Vel Total (ft/s)            1.76    Avg. Vel. (ft/s)            1.80       2.15       0.94
  Max Chl Dpth (ft)         193.15    Hydr. Depth (ft)          138.51     180.85      53.18
  Conv. Total (cfs)       152425500.0    Conv. (cfs)            122908600.0   22210310.0   7306622.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.69     401.16    1050.05
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  Min Ch El (ft)            567.07    Shear (lb/sq ft)            0.40       0.53       0.15
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       1.13       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19418.22    3265.86    4754.54
  C & E Loss (ft)                     Cum SA (acres)            138.79      18.32      72.75


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2642.67*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.46     500  657.13     650  650.66     700  645.68
     950  620.23    1000  617.63    1100  612.12    1250  611.32    1350  611.32
    1475  610.66    1950  610.66    2025   610.6    2300  609.99    2600  606.85
    3000  603.53    3200  601.54    3400  599.34 3496.69   584.6 3593.39  567.07
 3696.69  567.07 3793.39     600 3889.61  666.93 4242.41  710.31 4370.71  724.16
 4563.15  738.39 4755.59  738.62  4803.7  743.35

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3793.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3793.39             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.27    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.22    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       471034.10   71136.26   53647.09
  E.G. Slope (ft/ft)      0.000047    Area (sq ft)            471034.10   71136.26   53647.09
  Q Total (cfs)           1050414.00    Flow (cfs)              846953.40   153126.90   50333.69
  Top Width (ft)           4803.70    Top Width (ft)           3400.00     393.39    1010.31
  Vel Total (ft/s)            1.76    Avg. Vel. (ft/s)            1.80       2.15       0.94
  Max Chl Dpth (ft)         193.15    Hydr. Depth (ft)          138.54     180.83      53.10
  Conv. Total (cfs)       152480700.0    Conv. (cfs)            122945800.0   22228270.0   7306561.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.70     401.54    1052.33
  Min Ch El (ft)            567.07    Shear (lb/sq ft)            0.40       0.52       0.15
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       1.13       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19364.26    3257.72    4748.40
  C & E Loss (ft)                     Cum SA (acres)            138.40      18.27      72.63


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2637.69*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.43     500  657.11     650  650.62     700  645.62
     950   620.1    1000  617.49    1100  611.99    1250  611.25    1350  611.25
    1475  610.62    1950  610.62    2025  610.56    2300  609.99    2600  606.88
    3000  603.54    3200  601.56    3400  599.38 3496.89  584.63 3593.77  567.06
 3696.89  567.06 3793.77     600 3890.22  667.11 4243.84  710.31 4372.43  724.21
 4565.31  738.49  4758.2   738.7 4806.42  743.44

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3793.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3793.77             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.27    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.22    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       471128.90   71197.10   53691.81
  E.G. Slope (ft/ft)      0.000047    Area (sq ft)            471128.90   71197.10   53691.81
  Q Total (cfs)           1050414.00    Flow (cfs)              846911.90   153190.70   50311.41
  Top Width (ft)           4806.42    Top Width (ft)           3400.00     393.77    1012.65
  Vel Total (ft/s)            1.76    Avg. Vel. (ft/s)            1.80       2.15       0.94
  Max Chl Dpth (ft)         193.16    Hydr. Depth (ft)          138.57     180.81      53.02
  Conv. Total (cfs)       152539000.0    Conv. (cfs)            122986800.0   22246040.0   7306121.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.71     401.91    1054.62
  Min Ch El (ft)            567.06    Shear (lb/sq ft)            0.40       0.52       0.15
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       1.13       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19310.30    3249.57    4742.25
  C & E Loss (ft)                     Cum SA (acres)            138.01      18.23      72.52


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2632.71*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.39     500   657.1     650  650.58     700  645.56
     950  619.97    1000  617.36    1100  611.87    1250  611.17    1350  611.17
    1475  610.58    1950  610.58    2025  610.53    2300  609.99    2600  606.91
    3000  603.56    3200  601.59    3400  599.42 3497.08  584.65 3594.16  567.06
 3697.08  567.06 3794.16     600 3890.83  667.29 4245.27  710.31 4374.15  724.26
 4567.48  738.58 4760.81  738.78 4809.14  743.54
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3794.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3794.16             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.27    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.22    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       471217.30   71258.52   53736.71
  E.G. Slope (ft/ft)      0.000047    Area (sq ft)            471217.30   71258.52   53736.71
  Q Total (cfs)           1050414.00    Flow (cfs)            846865.10   153258.00   50290.87
  Top Width (ft)           4809.14    Top Width (ft)           3400.00     394.16    1014.98
  Vel Total (ft/s)            1.76    Avg. Vel. (ft/s)            1.80       2.15       0.94
  Max Chl Dpth (ft)         193.16    Hydr. Depth (ft)          138.59     180.79      52.94
  Conv. Total (cfs)       152594900.0    Conv. (cfs)            123025100.0   22263980.0   7305817.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.72     402.29    1056.89
  Min Ch El (ft)            567.06    Shear (lb/sq ft)            0.40       0.52       0.15
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       1.13       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19256.32    3241.41    4736.09
  C & E Loss (ft)                     Cum SA (acres)            137.62      18.18      72.40


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2627.72*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.36     500  657.09     650  650.54     700   645.5
     950  619.83    1000  617.22    1100  611.74    1250  611.09    1350  611.09
    1475  610.54    1950  610.54    2025  610.49    2300     610    2600  606.93
    3000  603.57    3200  601.62    3400  599.46 3497.28  584.67 3594.55  567.05
 3697.28  567.05 3794.55     600 3891.44  667.47 4246.69  710.32 4375.88  724.31
 4569.65  738.68 4763.42  738.86 4811.87  743.64

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3794.55     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3794.55             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.27    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.22    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       471312.20   71321.98   53776.90
  E.G. Slope (ft/ft)      0.000047    Area (sq ft)            471312.20   71321.98   53776.90
  Q Total (cfs)           1050414.00    Flow (cfs)            846823.40   153328.70   50261.96
  Top Width (ft)           4811.87    Top Width (ft)           3400.00     394.55    1017.32
  Vel Total (ft/s)            1.76    Avg. Vel. (ft/s)            1.80       2.15       0.93
  Max Chl Dpth (ft)         193.17    Hydr. Depth (ft)          138.62     180.77      52.86
  Conv. Total (cfs)       152653400.0    Conv. (cfs)            123066200.0   22282780.0   7304413.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.73     402.68    1059.17
  Min Ch El (ft)            567.05    Shear (lb/sq ft)            0.40       0.52       0.15
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       1.13       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19202.34    3233.24    4729.94
  C & E Loss (ft)                     Cum SA (acres)            137.23      18.14      72.29


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2622.74*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.33     500  657.08     650  650.51     700  645.44
     950   619.7    1000  617.09    1100  611.62    1250  611.01    1350  611.01
    1475  610.51    1950  610.51    2025  610.46    2300     610    2600  606.96
    3000  603.59    3200  601.65    3400  599.49 3497.47   584.7 3594.94  567.05
 3697.47  567.05 3794.94     600 3892.05  667.65 4248.12  710.32  4377.6  724.36
 4571.82  738.77 4766.04  738.94 4814.59  743.74

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3794.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3794.94             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.27    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.22    Reach Len. (ft)            4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       471392.60   71382.91   53821.14
  E.G. Slope (ft/ft)      0.000047    Area (sq ft)            471392.60   71382.91   53821.14
  Q Total (cfs)           1050414.00    Flow (cfs)            846773.80   153398.40   50241.89
  Top Width (ft)           4814.59    Top Width (ft)           3400.00     394.94    1019.65
  Vel Total (ft/s)            1.76    Avg. Vel. (ft/s)            1.80       2.15       0.93
  Max Chl Dpth (ft)         193.17    Hydr. Depth (ft)          138.64     180.74      52.78
  Conv. Total (cfs)       152705400.0    Conv. (cfs)            123100900.0   22300510.0   7303987.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.74     403.06    1061.45
  Min Ch El (ft)            567.05    Shear (lb/sq ft)            0.40       0.52       0.15
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       1.12       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19148.34    3225.07    4723.77
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  C & E Loss (ft)                     Cum SA (acres)           136.85      18.09      72.17

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2617.76*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175   672.3     500  657.07     650  650.47     700  645.38
     950  619.57    1000  616.95    1100  611.49    1250  610.93    1350  610.93
    1475  610.47    1950  610.47    2025  610.42    2300     610    2600  606.99
    3000   603.6    3200  601.67    3400  599.53 3497.67  584.72 3595.33  567.05
 3697.67  567.05 3795.33     600 3892.66  667.83 4249.55  710.32 4379.32  724.41
 4573.98  738.87 4768.65  739.03 4817.31  743.83

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3795.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3795.33             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.27    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.22    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       471487.70   71444.35   53861.96
  E.G. Slope (ft/ft)      0.000047    Area (sq ft)            471487.70   71444.35   53861.96
  Q Total (cfs)          1050414.00    Flow (cfs)             846736.00   153463.50   50214.45
  Top Width (ft)          4817.31    Top Width (ft)           3400.00     395.33    1021.98
  Vel Total (ft/s)           1.76    Avg. Vel. (ft/s)            1.80       2.15       0.93
  Max Chl Dpth (ft)        193.17    Hydr. Depth (ft)          138.67     180.72      52.70
  Conv. Total (cfs)      152763300.0    Conv. (cfs)            123142100.0   22318430.0   7302763.0
  Length Wtd. (ft)           4.99    Wetted Per. (ft)         3482.75     403.44    1063.73
  Min Ch El (ft)           567.05    Shear (lb/sq ft)            0.40       0.52       0.15
  Alpha                      1.07    Stream Power (lb/ft s)      0.72       1.12       0.14
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    19094.34    3216.88    4717.60
  C & E Loss (ft)                     Cum SA (acres)            136.46      18.05      72.05

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2612.78*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.27     500  657.05     650  650.43     700  645.32
     950  619.44    1000  616.82    1100  611.37    1250  610.86    1350  610.86
    1475  610.43    1950  610.43    2025  610.39    2300     610    2600  607.02
    3000  603.62    3200   601.7    3400  599.57 3497.86  584.74 3595.72  567.04
 3697.86  567.04 3795.72     600 3893.27  668.01 4250.97  710.32 4381.04  724.46
 4576.15  738.96 4771.26  739.11 4820.04  743.93

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3795.72     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3795.72             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.27    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.22    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       471573.80   71507.73   53905.38
  E.G. Slope (ft/ft)      0.000047    Area (sq ft)            471573.80   71507.73   53905.38
  Q Total (cfs)          1050414.00    Flow (cfs)             846685.30   153536.90   50191.89
  Top Width (ft)          4820.04    Top Width (ft)           3400.00     395.72    1024.32
  Vel Total (ft/s)           1.76    Avg. Vel. (ft/s)            1.80       2.15       0.93
  Max Chl Dpth (ft)        193.18    Hydr. Depth (ft)          138.70     180.70      52.63
  Conv. Total (cfs)      152818700.0    Conv. (cfs)            123179400.0   22337210.0   7302132.0
  Length Wtd. (ft)           4.99    Wetted Per. (ft)         3482.76     403.83    1066.01
  Min Ch El (ft)           567.04    Shear (lb/sq ft)            0.40       0.52       0.15
  Alpha                      1.07    Stream Power (lb/ft s)      0.72       1.12       0.14
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    19040.32    3208.70    4711.43
  C & E Loss (ft)                     Cum SA (acres)            136.07      18.00      71.93

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2607.80*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.24     500  657.04     650  650.39     700  645.26
     950  619.31    1000  616.68    1100  611.25    1250  610.78    1350  610.78
    1475  610.39    1950  610.39    2025  610.35    2300     610    2600  607.05
    3000  603.63    3200  601.73    3400  599.61 3498.05  584.77 3596.11  567.04
 3698.05  567.04 3796.11     600 3893.89  668.19  4252.4  710.32 4382.77  724.51
 4578.32  739.05 4773.87  739.19 4822.76  744.03

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
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       0     .15    3400     .15 3796.11     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3796.11             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.27    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.22    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       471665.60   71568.16   53949.16
  E.G. Slope (ft/ft)      0.000047    Area (sq ft)            471665.60   71568.16   53949.16
  Q Total (cfs)           1050414.00    Flow (cfs)              846644.40   153599.60   50170.01
  Top Width (ft)           4822.76    Top Width (ft)           3400.00     396.11    1026.65
  Vel Total (ft/s)            1.76    Avg. Vel. (ft/s)            1.80       2.15       0.93
  Max Chl Dpth (ft)         193.18    Hydr. Depth (ft)          138.73     180.68      52.55
  Conv. Total (cfs)       152875400.0    Conv. (cfs)            123219100.0   22354620.0   7301654.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.77     404.21    1068.28
  Min Ch El (ft)            567.04    Shear (lb/sq ft)            0.40       0.52       0.15
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       1.12       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18986.29    3200.50    4705.25
  C & E Loss (ft)                     Cum SA (acres)            135.68      17.96      71.82


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2602.82*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.21     500  657.03     650  650.35     700   645.2
     950  619.18    1000  616.55    1100  611.12    1250   610.7    1350   610.7
    1475  610.35    1950  610.35    2025  610.32    2300     610    2600  607.08
    3000  603.65    3200  601.75    3400  599.65 3498.25  584.79  3596.5  567.04
 3698.25  567.04  3796.5     600  3894.5  668.37 4253.83  710.32 4384.49  724.55
 4580.49  739.15 4776.49  739.27 4825.49  744.12

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15  3796.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400  3796.5             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.27    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.22    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       471754.60   71629.47   53991.96
  E.G. Slope (ft/ft)      0.000047    Area (sq ft)            471754.60   71629.47   53991.96
  Q Total (cfs)           1050414.00    Flow (cfs)              846601.20   153666.50   50146.36
  Top Width (ft)           4825.49    Top Width (ft)           3400.00     396.50    1028.99
  Vel Total (ft/s)            1.76    Avg. Vel. (ft/s)            1.79       2.15       0.93
  Max Chl Dpth (ft)         193.18    Hydr. Depth (ft)          138.75     180.65      52.47
  Conv. Total (cfs)       152931000.0    Conv. (cfs)            123257600.0   22372470.0   7300866.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.77     404.59    1070.58
  Min Ch El (ft)            567.04    Shear (lb/sq ft)            0.40       0.52       0.15
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       1.12       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18932.26    3192.30    4699.07
  C & E Loss (ft)                     Cum SA (acres)            135.29      17.91      71.70


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2597.84*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.17     500  657.02     650  650.31     700  645.14
     950  619.05    1000  616.41    1100     611    1250  610.62    1350  610.62
    1475  610.31    1950  610.31    2025  610.28    2300     610    2600  607.11
    3000  603.66    3200  601.78    3400  599.69 3498.44  584.81 3596.89  567.03
 3698.44  567.03 3796.89     600 3895.11  668.55 4255.25  710.32 4386.21   724.6
 4582.66  739.24  4779.1  739.35 4828.21  744.22

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3796.89     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3796.89             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.27    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.22    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       471848.80   71692.80   54034.09
  E.G. Slope (ft/ft)      0.000047    Area (sq ft)            471848.80   71692.80   54034.09
  Q Total (cfs)           1050414.00    Flow (cfs)              846556.40   153736.20   50121.39
  Top Width (ft)           4828.21    Top Width (ft)           3400.00     396.89    1031.32
  Vel Total (ft/s)            1.76    Avg. Vel. (ft/s)            1.79       2.14       0.93
  Max Chl Dpth (ft)         193.19    Hydr. Depth (ft)          138.78     180.64      52.39
  Conv. Total (cfs)       152989700.0    Conv. (cfs)            123298500.0   22391220.0   7300034.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.78     404.97    1072.85
  Min Ch El (ft)            567.03    Shear (lb/sq ft)            0.40       0.52       0.15
  Alpha                       1.07    Stream Power (lb/ft s)      0.72       1.12       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18878.21    3184.09    4692.88
  C & E Loss (ft)                     Cum SA (acres)            134.90      17.86      71.58
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2592.86*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.14     500  657.01     650  650.27     700  645.08
     950  618.92    1000  616.28    1100  610.87    1250  610.54    1350  610.54
    1475  610.27    1950  610.27    2025  610.25    2300     610    2600  607.13
    3000  603.67    3200  601.81    3400  599.73 3498.64  584.84 3597.28  567.03
 3698.64  567.03 3797.28     600 3895.72  668.74 4256.68  710.32 4387.94  724.65
 4584.82  739.34 4781.71  739.43 4830.93  744.32

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3797.28     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3797.28             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.27    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.22    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       471942.30   71753.12   54071.77
  E.G. Slope (ft/ft)      0.000047    Area (sq ft)            471942.30   71753.12   54071.77
  Q Total (cfs)           1050414.00    Flow (cfs)              846524.80   153798.80   50090.37
  Top Width (ft)           4830.93    Top Width (ft)           3400.00     397.28    1033.65
  Vel Total (ft/s)            1.76    Avg. Vel. (ft/s)            1.79       2.14       0.93
  Max Chl Dpth (ft)         193.19    Hydr. Depth (ft)          138.81     180.61      52.31
  Conv. Total (cfs)       153045700.0    Conv. (cfs)            123339000.0   22408540.0   7298186.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.79     405.36    1075.13
  Min Ch El (ft)            567.03    Shear (lb/sq ft)            0.40       0.52       0.15
  Alpha                       1.07    Stream Power (lb/ft s)      0.71       1.12       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18824.15    3175.87    4686.69
  C & E Loss (ft)                     Cum SA (acres)            134.51      17.82      71.46


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2587.88*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.11     500  656.99     650  650.23     700  645.02
     950  618.79    1000  616.14    1100  610.75    1250  610.47    1350  610.47
    1475  610.23    1950  610.23    2025  610.21    2300     610    2600  607.16
    3000  603.69    3200  601.84    3400  599.77 3498.83  584.86 3597.67  567.02
 3698.83  567.02 3797.67     600 3896.33  668.92 4258.11  710.33 4389.66   724.7
 4586.99  739.43 4784.32  739.51 4833.66  744.42

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3797.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3797.67             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.27    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.22    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       472031.10   71816.42   54111.17
  E.G. Slope (ft/ft)      0.000047    Area (sq ft)            472031.10   71816.42   54111.17
  Q Total (cfs)           1050414.00    Flow (cfs)              846480.50   153871.40   50062.11
  Top Width (ft)           4833.66    Top Width (ft)           3400.00     397.67    1035.99
  Vel Total (ft/s)            1.76    Avg. Vel. (ft/s)            1.79       2.14       0.93
  Max Chl Dpth (ft)         193.20    Hydr. Depth (ft)          138.83     180.59      52.23
  Conv. Total (cfs)       153101400.0    Conv. (cfs)            123377400.0   22427280.0   7296722.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.80     405.74    1077.41
  Min Ch El (ft)            567.02    Shear (lb/sq ft)            0.40       0.52       0.15
  Alpha                       1.07    Stream Power (lb/ft s)      0.71       1.11       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18770.08    3167.65    4680.50
  C & E Loss (ft)                     Cum SA (acres)            134.12      17.77      71.34


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2582.90*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.08     500  656.98     650  650.19     700  644.97
     950  618.66    1000  616.01    1100  610.62    1250  610.39    1350  610.39
    1475  610.19    1950  610.19    2025  610.18    2300     610    2600  607.19
    3000   603.7    3200  601.86    3400  599.81 3499.03  584.88 3598.05  567.02
 3699.03  567.02 3798.05     600 3896.94   669.1 4259.53  710.33 4391.38  724.75
 4589.16  739.53 4786.94  739.59 4836.38  744.51

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3798.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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          3400 3798.05             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.27    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.21    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       472121.90   71876.04   54151.63
  E.G. Slope (ft/ft)      0.000047    Area (sq ft)            472121.90   71876.04   54151.63
  Q Total (cfs)           1050414.00    Flow (cfs)              846444.10   153934.50   50035.46
  Top Width (ft)           4836.38    Top Width (ft)           3400.00     398.05    1038.33
  Vel Total (ft/s)            1.76    Avg. Vel. (ft/s)            1.79       2.14       0.92
  Max Chl Dpth (ft)         193.19    Hydr. Depth (ft)          138.86     180.57      52.15
  Conv. Total (cfs)       153156800.0    Conv. (cfs)            123416700.0   22444590.0   7295476.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.81     406.11    1079.70
  Min Ch El (ft)            567.02    Shear (lb/sq ft)            0.40       0.52       0.15
  Alpha                       1.07    Stream Power (lb/ft s)      0.71       1.11       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18716.01    3159.42    4674.29
  C & E Loss (ft)                     Cum SA (acres)            133.73      17.73      71.23


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2577.92*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.05     500  656.97     650  650.16     700  644.91
     950  618.52    1000  615.87    1100   610.5    1250  610.31    1350  610.31
    1475  610.16    1950  610.16    2025  610.14    2300     610    2600  607.22
    3000  603.72    3200  601.89    3400  599.84 3499.22  584.91 3598.44  567.02
 3699.22  567.02 3798.44     600 3897.55  669.28 4260.96  710.33 4393.11   724.8
 4591.33  739.62 4789.55  739.68  4839.1  744.61

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3798.44     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3798.44             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.27    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.21    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       472206.20   71936.79   54191.43
  E.G. Slope (ft/ft)      0.000047    Area (sq ft)            472206.20   71936.79   54191.43
  Q Total (cfs)           1050414.00    Flow (cfs)              846402.40   154002.30   50009.32
  Top Width (ft)           4839.10    Top Width (ft)           3400.00     398.44    1040.66
  Vel Total (ft/s)            1.76    Avg. Vel. (ft/s)            1.79       2.14       0.92
  Max Chl Dpth (ft)         193.19    Hydr. Depth (ft)          138.88     180.55      52.07
  Conv. Total (cfs)       153209600.0    Conv. (cfs)            123453200.0   22462210.0   7294178.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.82     406.49    1081.98
  Min Ch El (ft)            567.02    Shear (lb/sq ft)            0.40       0.52       0.15
  Alpha                       1.07    Stream Power (lb/ft s)      0.71       1.11       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18661.92    3151.18    4668.09
  C & E Loss (ft)                     Cum SA (acres)            133.34      17.68      71.11


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2572.94*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  672.02     500  656.96     650  650.12     700  644.85
     950  618.39    1000  615.74    1100  610.37    1250  610.23    1350  610.23
    1475  610.12    1950  610.12    2025  610.11    2300     610    2600  607.25
    3000  603.73    3200  601.92    3400  599.88 3499.42  584.93 3598.83  567.01
 3699.42  567.01 3798.83     600 3898.17  669.46 4262.39  710.33 4394.83  724.85
  4593.5  739.72 4792.16  739.76 4841.83  744.71

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3798.83     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3798.83             4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.26    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.21    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       472296.40   72000.06   54230.67
  E.G. Slope (ft/ft)      0.000047    Area (sq ft)            472296.40   72000.06   54230.67
  Q Total (cfs)           1050414.00    Flow (cfs)              846359.30   154073.80   49981.01
  Top Width (ft)           4841.83    Top Width (ft)           3400.00     398.83    1043.00
  Vel Total (ft/s)            1.75    Avg. Vel. (ft/s)            1.79       2.14       0.92
  Max Chl Dpth (ft)         193.20    Hydr. Depth (ft)          138.91     180.53      51.99
  Conv. Total (cfs)       153265900.0    Conv. (cfs)            123492200.0   22480900.0   7292728.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.83     406.88    1084.26
  Min Ch El (ft)            567.01    Shear (lb/sq ft)            0.40       0.52       0.15
  Alpha                       1.07    Stream Power (lb/ft s)      0.71       1.11       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18607.82    3142.94    4661.88
  C & E Loss (ft)                     Cum SA (acres)            132.95      17.64      70.99


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2567.96*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  671.99     500  656.95     650  650.08     700  644.79
     950  618.26    1000   615.6    1100  610.25    1250  610.16    1350  610.16
    1475  610.08    1950  610.08    2025  610.07    2300     610    2600  607.28
    3000  603.75    3200  601.95    3400  599.92 3499.61  584.95 3599.22  567.01
 3699.61  567.01 3799.22     600 3898.78  669.64 4263.81  710.33 4396.55   724.9
 4595.66  739.81 4794.77  739.84 4844.55  744.81

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3799.22     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3799.22              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.26    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.21    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       472382.50   72061.27   54270.45
  E.G. Slope (ft/ft)      0.000047    Area (sq ft)            472382.50   72061.27   54270.45
  Q Total (cfs)           1050414.00    Flow (cfs)              846317.60   154141.80   49954.71
  Top Width (ft)           4844.55    Top Width (ft)           3400.00     399.22    1045.33
  Vel Total (ft/s)            1.75    Avg. Vel. (ft/s)            1.79       2.14       0.92
  Max Chl Dpth (ft)         193.20    Hydr. Depth (ft)          138.94     180.51      51.92
  Conv. Total (cfs)       153319700.0    Conv. (cfs)            123529500.0   22498720.0   7291451.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.84     407.26    1086.53
  Min Ch El (ft)            567.01    Shear (lb/sq ft)            0.40       0.52       0.15
  Alpha                       1.07    Stream Power (lb/ft s)      0.71       1.11       0.13
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18553.71    3134.69    4655.66
  C & E Loss (ft)                     Cum SA (acres)            132.56      17.59      70.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2562.98*

INPUT
Description:
Station Elevation Data    num=      28
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     175  671.95     500  656.94     650  650.04     700  644.73
     950  618.13    1000  615.47    1100  610.12    1250  610.08    1350  610.08
    1475  610.04    1950  610.04    2025  610.04    2300     610    2600   607.3
    3000  603.76    3200  601.97    3400  599.96 3499.81  584.98 3599.61     567
 3699.81     567 3799.61     600 3899.39  669.82 4265.24  710.33 4398.28  724.95
 4597.83  739.91 4797.39  739.92 4847.28   744.9

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15 3799.61     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400 3799.61              4.99    4.99    4.99             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.26    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.21    Reach Len. (ft)             4.99       4.99       4.99
  Crit W.S. (ft)                      Flow Area (sq ft)       472480.80   72123.52   54308.82
  E.G. Slope (ft/ft)      0.000047    Area (sq ft)            472480.80   72123.52   54308.82
  Q Total (cfs)           1050413.00    Flow (cfs)              846282.60   154206.40   49924.02
  Top Width (ft)           4847.28    Top Width (ft)           3400.00     399.61    1047.67
  Vel Total (ft/s)            1.75    Avg. Vel. (ft/s)            1.79       2.14       0.92
  Max Chl Dpth (ft)         193.21    Hydr. Depth (ft)          138.96     180.48      51.84
  Conv. Total (cfs)       153378800.0    Conv. (cfs)            123572100.0   22516850.0   7289786.0
  Length Wtd. (ft)            4.99    Wetted Per. (ft)         3482.85     407.65    1088.83
  Min Ch El (ft)            567.00    Shear (lb/sq ft)            0.40       0.52       0.15
  Alpha                       1.07    Stream Power (lb/ft s)      0.71       1.11       0.13
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18499.59    3126.43    4649.45
  C & E Loss (ft)                     Cum SA (acres)            132.17      17.54      70.75


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 2558

INPUT
Description:
Station Elevation Data    num=      16
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     680     650     650     950     618    1100     610    2300     610
    3200     602    3400     600    3500     585    3600     567    3700     567
    3800     600    3900     670    4400     725    4600     740    4800     740
    4850     745

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3800     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3800          1638.36 1638.36 1638.36             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.26    Element                   Left OB    Channel   Right OB
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  Vel Head (ft)              0.05    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           760.21    Reach Len. (ft)          1638.36    1638.36    1638.36
  Crit W.S. (ft)                     Flow Area (sq ft)       472570.10   72184.72   54347.38
  E.G. Slope (ft/ft)      0.000047   Area (sq ft)            472570.10   72184.72   54347.38
  Q Total (cfs)           1050413.00   Flow (cfs)             846244.20   154273.10   49895.71
  Top Width (ft)           4850.00   Top Width (ft)           3400.00     400.00    1050.00
  Vel Total (ft/s)            1.75   Avg. Vel. (ft/s)            1.79       2.14       0.92
  Max Chl Dpth (ft)         193.21   Hydr. Depth (ft)         138.99     180.46      51.76
  Conv. Total (cfs)       153433800.0   Conv. (cfs)          123610800.0   22534670.0   7288264.0
  Length Wtd. (ft)         1638.36   Wetted Per. (ft)         3482.87     408.03    1091.10
  Min Ch El (ft)            567.00   Shear (lb/sq ft)            0.40       0.52       0.15
  Alpha                       1.07   Stream Power (lb/ft s)      0.71       1.11       0.13
  Frctn Loss (ft)             0.04   Cum Volume (acre-ft)    18445.46    3118.16    4643.22
  C & E Loss (ft)                    Cum SA (acres)            131.78      17.50      70.63


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 924

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650     566    3800     566    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)           760.07    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           760.06    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       479032.80   88230.55   181480.80
  E.G. Slope (ft/ft)      0.000013   Area (sq ft)            479032.80   88230.55   181480.80
  Q Total (cfs)           650774.80   Flow (cfs)             446715.30   95510.38   108549.20
  Top Width (ft)           6450.00   Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            0.87   Avg. Vel. (ft/s)            0.93       1.08       0.60
  Max Chl Dpth (ft)         194.06   Hydr. Depth (ft)         140.89     176.46      71.17
  Conv. Total (cfs)       183748700.0   Conv. (cfs)          126131800.0   26967720.0   30649270.0
  Length Wtd. (ft)            0.50   Wetted Per. (ft)         3495.69     514.80    2578.12
  Min Ch El (ft)            566.00   Shear (lb/sq ft)            0.11       0.13       0.06
  Alpha                       1.10   Stream Power (lb/ft s)      0.10       0.15       0.03
  Frctn Loss (ft)             0.00   Cum Volume (acre-ft)      549.82     101.43     208.29
  C & E Loss (ft)                    Cum SA (acres)              3.90       0.57       2.93


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 923.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.99    3800  565.99    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)           760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           760.06    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       479013.60   88230.49   181466.50
  E.G. Slope (ft/ft)      0.000034   Area (sq ft)            479013.60   88230.49   181466.50
  Q Total (cfs)           1069826.00   Flow (cfs)             734369.00   157021.30   178435.80
  Top Width (ft)           6450.00   Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43   Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.07   Hydr. Depth (ft)         140.89     176.46      71.16
  Conv. Total (cfs)       183736200.0   Conv. (cfs)          126123500.0   26967460.0   30645280.0
  Length Wtd. (ft)            0.50   Wetted Per. (ft)         3495.68     514.80    2578.11
  Min Ch El (ft)            565.99   Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10   Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00   Cum Volume (acre-ft)      544.32     100.42     206.20
  C & E Loss (ft)                    Cum SA (acres)              3.86       0.57       2.90


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 923.*

INPUT
Description:
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Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.98    3800  565.98    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.06    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479013.40   88233.22   181466.30
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479013.40   88233.22   181466.30
  Q Total (cfs)           1069826.00    Flow (cfs)            734364.30   157027.10   178434.50
  Top Width (ft)           6450.00    Top Width (ft)          3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)           1.53       1.78       0.98
  Max Chl Dpth (ft)         194.08    Hydr. Depth (ft)         140.89     176.47      71.16
  Conv. Total (cfs)       183737300.0    Conv. (cfs)           126123400.0   26968630.0   30645240.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        3495.68     514.81    2578.11
  Min Ch El (ft)            565.98    Shear (lb/sq ft)           0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)     0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     538.82      99.40     204.12
  C & E Loss (ft)                     Cum SA (acres)             3.82       0.56       2.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 922.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.97    3800  565.97    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.06    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479013.40   88235.97   181466.30
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479013.40   88235.97   181466.30
  Q Total (cfs)           1074305.00    Flow (cfs)            737434.20   157690.40   179180.40
  Top Width (ft)           6450.00    Top Width (ft)          3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)           1.54       1.79       0.99
  Max Chl Dpth (ft)         194.09    Hydr. Depth (ft)         140.89     176.47      71.16
  Conv. Total (cfs)       183738400.0    Conv. (cfs)           126123400.0   26969800.0   30645240.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        3495.68     514.82    2578.11
  Min Ch El (ft)            565.97    Shear (lb/sq ft)           0.29       0.37       0.15
  Alpha                       1.10    Stream Power (lb/ft s)     0.45       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     533.33      98.39     202.04
  C & E Loss (ft)                     Cum SA (acres)             3.79       0.56       2.84


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 922.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.96    3800  565.96    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.06    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479013.00   88238.65   181466.00
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479013.00   88238.65   181466.00
  Q Total (cfs)           1069826.00    Flow (cfs)            734355.10   157038.90   178432.00
  Top Width (ft)           6450.00    Top Width (ft)          3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)           1.53       1.78       0.98
  Max Chl Dpth (ft)         194.10    Hydr. Depth (ft)         140.89     176.48      71.16
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  Conv. Total (cfs)       183739300.0    Conv. (cfs)            126123200.0   26970940.0   30645150.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.82    2578.11
  Min Ch El (ft)            565.96    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      527.83      97.38     199.96
  C & E Loss (ft)                     Cum SA (acres)              3.75       0.55       2.81


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 921.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.95    3800  565.95    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.06    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479012.60   88241.34   181465.70
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479012.60   88241.34   181465.70
  Q Total (cfs)           1069826.00    Flow (cfs)              734350.60   157044.80   178430.70
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.11    Hydr. Depth (ft)          140.89     176.48      71.16
  Conv. Total (cfs)       183740200.0    Conv. (cfs)            126123000.0   26972080.0   30645060.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.83    2578.11
  Min Ch El (ft)            565.95    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      522.33      96.36     197.87
  C & E Loss (ft)                     Cum SA (acres)              3.71       0.55       2.78


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 921.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.94    3800  565.94    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.06    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479012.60   88244.09   181465.70
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479012.60   88244.09   181465.70
  Q Total (cfs)           1069826.00    Flow (cfs)              734345.90   157050.60   178429.50
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.12    Hydr. Depth (ft)          140.89     176.49      71.16
  Conv. Total (cfs)       183741400.0    Conv. (cfs)            126123000.0   26973260.0   30645060.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.84    2578.11
  Min Ch El (ft)            565.94    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      516.83      95.35     195.79
  C & E Loss (ft)                     Cum SA (acres)              3.67       0.54       2.75


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 920.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.93    3800  565.93    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740
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```
Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.06    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479012.40   88246.81   181465.50
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479012.40   88246.81   181465.50
  Q Total (cfs)           1069826.00    Flow (cfs)            734341.30   157056.50   178428.30
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.13    Hydr. Depth (ft)          140.89     176.49      71.16
  Conv. Total (cfs)       183742400.0    Conv. (cfs)            126123000.0   26974420.0   30645020.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.85    2578.11
  Min Ch El (ft)            565.93    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      511.33      94.34     193.71
  C & E Loss (ft)                     Cum SA (acres)              3.63       0.53       2.72


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 920.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.92    3800  565.92    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.06    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479012.40   88249.57   181465.50
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479012.40   88249.57   181465.50
  Q Total (cfs)           1069826.00    Flow (cfs)            734336.50   157062.40   178427.10
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.14    Hydr. Depth (ft)          140.89     176.50      71.16
  Conv. Total (cfs)       183743600.0    Conv. (cfs)            126123000.0   26975600.0   30645020.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.85    2578.11
  Min Ch El (ft)            565.92    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      505.83      93.33     191.62
  C & E Loss (ft)                     Cum SA (acres)              3.59       0.53       2.69


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 919.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.91    3800  565.91    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.06    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479012.00   88252.25   181465.20
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479012.00   88252.25   181465.20
  Q Total (cfs)           1069826.00    Flow (cfs)            734332.00   157068.20   178425.80
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.15    Hydr. Depth (ft)          140.89     176.50      71.16
  Conv. Total (cfs)       183744400.0    Conv. (cfs)            126122800.0   26976740.0   30644940.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.86    2578.11
  Min Ch El (ft)            565.91    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      500.34      92.31     189.54
  C & E Loss (ft)                     Cum SA (acres)              3.55       0.52       2.66
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 919.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650   565.9    3800   565.9    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.06    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479012.00   88254.99   181465.20
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479012.00   88254.99   181465.20
  Q Total (cfs)           1069826.00    Flow (cfs)              734327.30   157074.10   178424.60
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.16    Hydr. Depth (ft)          140.89     176.51      71.16
  Conv. Total (cfs)       183745600.0    Conv. (cfs)            126122800.0   26977910.0   30644940.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.86    2578.11
  Min Ch El (ft)            565.90    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      494.84      91.30     187.46
  C & E Loss (ft)                     Cum SA (acres)              3.51       0.52       2.63


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 918.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.89    3800  565.89    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479011.60   88257.68   181464.90
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479011.60   88257.68   181464.90
  Q Total (cfs)           1069826.00    Flow (cfs)              734322.80   157080.00   178423.30
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.16    Hydr. Depth (ft)          140.89     176.52      71.16
  Conv. Total (cfs)       183746500.0    Conv. (cfs)            126122600.0   26979050.0   30644850.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.87    2578.11
  Min Ch El (ft)            565.89    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      489.34      90.29     185.37
  C & E Loss (ft)                     Cum SA (acres)              3.47       0.51       2.61


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 918.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.88    3800  565.88    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
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```
  E.G. Elev (ft)            760.09    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479011.60   88260.43   181464.90
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479011.60   88260.43   181464.90
  Q Total (cfs)           1074305.00    Flow (cfs)             737392.40   157743.50   179169.10
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.54       1.79       0.99
  Max Chl Dpth (ft)         194.17    Hydr. Depth (ft)          140.89     176.52      71.16
  Conv. Total (cfs)       183747700.0    Conv. (cfs)            126122600.0   26980230.0   30644850.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.88    2578.11
  Min Ch El (ft)            565.88    Shear (lb/sq ft)            0.29       0.37       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.45       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      483.84      89.27     183.29
  C & E Loss (ft)                     Cum SA (acres)              3.43       0.51       2.58


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 917.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.87    3800  565.87    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479011.30   88263.16   181464.80
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479011.30   88263.16   181464.80
  Q Total (cfs)           1074305.00    Flow (cfs)             737387.80   157749.40   179167.90
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.54       1.79       0.99
  Max Chl Dpth (ft)         194.18    Hydr. Depth (ft)          140.89     176.53      71.16
  Conv. Total (cfs)       183748700.0    Conv. (cfs)            126122500.0   26981390.0   30644800.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.88    2578.11
  Min Ch El (ft)            565.87    Shear (lb/sq ft)            0.29       0.37       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.45       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      478.34      88.26     181.21
  C & E Loss (ft)                     Cum SA (acres)              3.40       0.50       2.55


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 917.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.86    3800  565.86    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479010.90   88265.84   181464.50
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479010.90   88265.84   181464.50
  Q Total (cfs)           1069826.00    Flow (cfs)             734308.90   157097.60   178419.50
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.19    Hydr. Depth (ft)          140.89     176.53      71.16
  Conv. Total (cfs)       183749600.0    Conv. (cfs)            126122300.0   26982530.0   30644720.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.89    2578.11
  Min Ch El (ft)            565.86    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      472.85      87.25     179.13
  C & E Loss (ft)                     Cum SA (acres)              3.36       0.49       2.52


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 916.5*
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INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.85    3800  565.85    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479010.90   88268.59   181464.50
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479010.90   88268.59   181464.50
  Q Total (cfs)           1069826.00    Flow (cfs)              734304.20   157103.40   178418.40
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.20    Hydr. Depth (ft)          140.89     176.54      71.16
  Conv. Total (cfs)       183750800.0    Conv. (cfs)            126122300.0   26983710.0   30644720.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.90    2578.11
  Min Ch El (ft)            565.85    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      467.35      86.23     177.04
  C & E Loss (ft)                     Cum SA (acres)              3.32       0.49       2.49

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 916.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.84    3800  565.84    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479010.70   88271.30   181464.30
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479010.70   88271.30   181464.30
  Q Total (cfs)           1069826.00    Flow (cfs)              734299.50   157109.30   178417.20
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.21    Hydr. Depth (ft)          140.89     176.54      71.16
  Conv. Total (cfs)       183751800.0    Conv. (cfs)            126122200.0   26984860.0   30644670.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.90    2578.11
  Min Ch El (ft)            565.84    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      461.85      85.22     174.96
  C & E Loss (ft)                     Cum SA (acres)              3.28       0.48       2.46

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 915.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.83    3800  565.83    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479010.70   88274.05   181464.30
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479010.70   88274.05   181464.30
  Q Total (cfs)           1069826.00    Flow (cfs)              734294.90   157115.10   178416.00
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
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```
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.22    Hydr. Depth (ft)          140.89     176.55      71.16
  Conv. Total (cfs)       183752900.0    Conv. (cfs)            126122200.0   26986040.0   30644670.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.91    2578.11
  Min Ch El (ft)            565.83    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      456.35      84.21     172.88
  C & E Loss (ft)                     Cum SA (acres)              3.24       0.48       2.43


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 915.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.82    3800  565.82    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479010.30   88276.75   181464.00
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479010.30   88276.75   181464.00
  Q Total (cfs)           1069826.00    Flow (cfs)              734290.30   157121.00   178414.70
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.23    Hydr. Depth (ft)          140.89     176.55      71.16
  Conv. Total (cfs)       183753800.0    Conv. (cfs)            126122100.0   26987180.0   30644590.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.91    2578.11
  Min Ch El (ft)            565.82    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      450.85      83.19     170.79
  C & E Loss (ft)                     Cum SA (acres)              3.20       0.47       2.40


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 914.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.81    3800  565.81    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479010.30   88279.51   181464.00
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479010.30   88279.51   181464.00
  Q Total (cfs)           1069826.00    Flow (cfs)              734285.60   157126.90   178413.50
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.24    Hydr. Depth (ft)          140.89     176.56      71.16
  Conv. Total (cfs)       183755000.0    Conv. (cfs)            126122100.0   26988360.0   30644590.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.92    2578.11
  Min Ch El (ft)            565.81    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      445.35      82.18     168.71
  C & E Loss (ft)                     Cum SA (acres)              3.16       0.46       2.37


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 914.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650   565.8    3800   565.8    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
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    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479009.90   88282.20   181463.70
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479009.90   88282.20   181463.70
  Q Total (cfs)           1069826.00    Flow (cfs)             734281.10   157132.80   178412.20
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.25    Hydr. Depth (ft)          140.89     176.56      71.16
  Conv. Total (cfs)       183755900.0    Conv. (cfs)            126121900.0   26989510.0   30644500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.93    2578.11
  Min Ch El (ft)            565.80    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      439.86      81.17     166.63
  C & E Loss (ft)                     Cum SA (acres)              3.12       0.46       2.34


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 913.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.79    3800  565.79    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479009.90   88284.95   181463.70
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479009.90   88284.95   181463.70
  Q Total (cfs)           1069826.00    Flow (cfs)             734276.40   157138.60   178411.00
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.26    Hydr. Depth (ft)          140.89     176.57      71.16
  Conv. Total (cfs)       183757100.0    Conv. (cfs)            126121900.0   26990680.0   30644500.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.93    2578.11
  Min Ch El (ft)            565.79    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      434.36      80.15     164.55
  C & E Loss (ft)                     Cum SA (acres)              3.08       0.45       2.31


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 913.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.78    3800  565.78    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479009.70   88287.65   181463.50
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479009.70   88287.65   181463.50
  Q Total (cfs)           1074305.00    Flow (cfs)             737345.90   157802.40   179156.70
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.54       1.79       0.99
  Max Chl Dpth (ft)         194.27    Hydr. Depth (ft)          140.89     176.58      71.16
  Conv. Total (cfs)       183758100.0    Conv. (cfs)            126121800.0   26991830.0   30644460.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.94    2578.11
  Min Ch El (ft)            565.78    Shear (lb/sq ft)            0.29       0.37       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.45       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      428.86      79.14     162.46
  C & E Loss (ft)                     Cum SA (acres)              3.04       0.45       2.28
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 912.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.77    3800  565.77    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479009.70   88290.41   181463.50
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479009.70   88290.41   181463.50
  Q Total (cfs)           1069826.00    Flow (cfs)             734267.10   157150.30   178408.60
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.28    Hydr. Depth (ft)          140.89     176.58      71.16
  Conv. Total (cfs)       183759300.0    Conv. (cfs)            126121800.0   26993010.0   30644460.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.95    2578.11
  Min Ch El (ft)            565.77    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      423.36      78.13     160.38
  C & E Loss (ft)                     Cum SA (acres)              3.01       0.44       2.25


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 912.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.76    3800  565.76    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479009.30   88293.10   181463.20
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479009.30   88293.10   181463.20
  Q Total (cfs)           1069826.00    Flow (cfs)             734262.50   157156.20   178407.30
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.29    Hydr. Depth (ft)          140.89     176.59      71.16
  Conv. Total (cfs)       183760100.0    Conv. (cfs)            126121600.0   26994160.0   30644380.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.95    2578.11
  Min Ch El (ft)            565.76    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      417.86      77.11     158.30
  C & E Loss (ft)                     Cum SA (acres)              2.97       0.44       2.22


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 911.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.75    3800  565.75    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3
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CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479008.90   88295.79   181462.90
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479008.90   88295.79   181462.90
  Q Total (cfs)           1069826.00    Flow (cfs)            734257.90   157162.10   178405.90
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.30    Hydr. Depth (ft)          140.89     176.59      71.16
  Conv. Total (cfs)       183761000.0    Conv. (cfs)            126121400.0   26995300.0   30644280.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.96    2578.11
  Min Ch El (ft)            565.75    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      412.36      76.10     156.21
  C & E Loss (ft)                     Cum SA (acres)              2.93       0.43       2.20


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 911.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.74    3800  565.74    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479008.90   88298.54   181462.90
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479008.90   88298.54   181462.90
  Q Total (cfs)           1069826.00    Flow (cfs)            734253.30   157168.00   178404.80
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.31    Hydr. Depth (ft)          140.89     176.60      71.16
  Conv. Total (cfs)       183762200.0    Conv. (cfs)            126121400.0   26996470.0   30644280.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.97    2578.11
  Min Ch El (ft)            565.74    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      406.87      75.09     154.13
  C & E Loss (ft)                     Cum SA (acres)              2.89       0.42       2.17


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 910.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.73    3800  565.73    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479008.70   88301.27   181462.70
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            479008.70   88301.27   181462.70
  Q Total (cfs)           1061540.00    Flow (cfs)            728561.80   155956.50   177021.80
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.52       1.77       0.98
  Max Chl Dpth (ft)         194.32    Hydr. Depth (ft)          140.88     176.60      71.16
  Conv. Total (cfs)       183763200.0    Conv. (cfs)            126121300.0   26997630.0   30644240.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.97    2578.11
  Min Ch El (ft)            565.73    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.43       0.63       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      401.37      74.07     152.05
  C & E Loss (ft)                     Cum SA (acres)              2.85       0.42       2.14


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
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REACH: LOWER PALUXY       RS: 910.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.72    3800  565.72    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479008.70   88304.02   181462.70
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            479008.70   88304.02   181462.70
  Q Total (cfs)           1061540.00    Flow (cfs)              728557.10   155962.30   177020.60
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.52       1.77       0.98
  Max Chl Dpth (ft)         194.33    Hydr. Depth (ft)          140.88     176.61      71.16
  Conv. Total (cfs)       183764400.0    Conv. (cfs)            126121300.0   26998810.0   30644240.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.98    2578.11
  Min Ch El (ft)            565.72    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.43       0.63       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      395.87      73.06     149.96
  C & E Loss (ft)                     Cum SA (acres)              2.81       0.41       2.11

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 909.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.71    3800  565.71    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479008.70   88306.75   181462.70
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479008.70   88306.75   181462.70
  Q Total (cfs)           1069826.00    Flow (cfs)              734239.30   157185.50   178401.30
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.34    Hydr. Depth (ft)          140.88     176.61      71.16
  Conv. Total (cfs)       183765600.0    Conv. (cfs)            126121300.0   26999970.0   30644240.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.99    2578.11
  Min Ch El (ft)            565.71    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      390.37      72.05     147.88
  C & E Loss (ft)                     Cum SA (acres)              2.77       0.41       2.08

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 909.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650   565.7    3800   565.7    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479008.30   88309.45   181462.40
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479008.30   88309.45   181462.40
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  Q Total (cfs)           1069826.00    Flow (cfs)              734234.70   157191.40   178399.90
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.35    Hydr. Depth (ft)          140.88     176.62      71.16
  Conv. Total (cfs)       183766400.0    Conv. (cfs)            126121200.0   27001120.0   30644160.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.99    2578.11
  Min Ch El (ft)            565.70    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      384.87      71.03     145.80
  C & E Loss (ft)                     Cum SA (acres)              2.73       0.40       2.05


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 908.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.69    3800  565.69    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479007.80   88312.13   181462.10
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479007.80   88312.13   181462.10
  Q Total (cfs)           1069826.00    Flow (cfs)              734230.20   157197.30   178398.50
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.36    Hydr. Depth (ft)          140.88     176.62      71.16
  Conv. Total (cfs)       183767300.0    Conv. (cfs)            126121000.0   27002260.0   30644070.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.00    2578.11
  Min Ch El (ft)            565.69    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      379.37      70.02     143.72
  C & E Loss (ft)                     Cum SA (acres)              2.69       0.40       2.02


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 908.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.68    3800  565.68    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479007.80   88314.88   181462.10
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479007.80   88314.88   181462.10
  Q Total (cfs)           1074305.00    Flow (cfs)              737299.40   157861.30   179144.30
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.54       1.79       0.99
  Max Chl Dpth (ft)         194.37    Hydr. Depth (ft)          140.88     176.63      71.16
  Conv. Total (cfs)       183768500.0    Conv. (cfs)            126121000.0   27003440.0   30644070.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.01    2578.11
  Min Ch El (ft)            565.68    Shear (lb/sq ft)            0.29       0.37       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.45       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      373.88      69.00     141.63
  C & E Loss (ft)                     Cum SA (acres)              2.65       0.39       1.99


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 907.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
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    3650  565.67    3800  565.67    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479007.60   88317.62   181462.00
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479007.60   88317.62   181462.00
  Q Total (cfs)           1069826.00    Flow (cfs)              734220.90   157209.00   178396.20
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.38    Hydr. Depth (ft)          140.88     176.64      71.16
  Conv. Total (cfs)       183769500.0    Conv. (cfs)            126120900.0   27004600.0   30644030.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.01    2578.11
  Min Ch El (ft)            565.67    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      368.38      67.99     139.55
  C & E Loss (ft)                     Cum SA (acres)              2.61       0.38       1.96


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 907.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.66    3800  565.66    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479007.20   88320.30   181461.70
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479007.20   88320.30   181461.70
  Q Total (cfs)           1069826.00    Flow (cfs)              734216.30   157214.90   178394.80
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.39    Hydr. Depth (ft)          140.88     176.64      71.16
  Conv. Total (cfs)       183770400.0    Conv. (cfs)            126120700.0   27005740.0   30643940.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.02    2578.11
  Min Ch El (ft)            565.66    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      362.88      66.98     137.47
  C & E Loss (ft)                     Cum SA (acres)              2.58       0.38       1.93


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 906.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.65    3800  565.65    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479007.20   88323.04   181461.70
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479007.20   88323.04   181461.70
  Q Total (cfs)           1069826.00    Flow (cfs)              734211.60   157220.70   178393.70
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.40    Hydr. Depth (ft)          140.88     176.65      71.16
  Conv. Total (cfs)       183771600.0    Conv. (cfs)            126120700.0   27006910.0   30643940.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.03    2578.11
  Min Ch El (ft)            565.65    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
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  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)      357.38      65.96     135.38
  C & E Loss (ft)                    Cum SA (acres)              2.54       0.37       1.90

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 906.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.64    3800  565.64    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479007.00   88325.76   181461.50
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            479007.00   88325.76   181461.50
  Q Total (cfs)           1061540.00    Flow (cfs)            728520.50   156008.80   177010.80
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.52       1.77       0.98
  Max Chl Dpth (ft)         194.41    Hydr. Depth (ft)          140.88     176.65      71.16
  Conv. Total (cfs)       183772600.0    Conv. (cfs)            126120600.0   27008070.0   30643900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.03    2578.11
  Min Ch El (ft)            565.64    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.43       0.63       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      351.88      64.95     133.30
  C & E Loss (ft)                     Cum SA (acres)              2.50       0.37       1.87

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 905.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.63    3800  565.63    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479007.00   88328.52   181461.50
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            479007.00   88328.52   181461.50
  Q Total (cfs)           1061540.00    Flow (cfs)            728515.80   156014.60   177009.60
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.52       1.77       0.98
  Max Chl Dpth (ft)         194.42    Hydr. Depth (ft)          140.88     176.66      71.16
  Conv. Total (cfs)       183773800.0    Conv. (cfs)            126120600.0   27009250.0   30643900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.04    2578.11
  Min Ch El (ft)            565.63    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.43       0.63       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      346.38      63.94     131.22
  C & E Loss (ft)                     Cum SA (acres)              2.46       0.36       1.84

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 905.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.62    3800  565.62    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15
```

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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479006.60   88331.20   181461.20
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            479006.60   88331.20   181461.20
  Q Total (cfs)           1061540.00    Flow (cfs)              728511.30   156020.50   177008.30
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.52       1.77       0.98
  Max Chl Dpth (ft)         194.43    Hydr. Depth (ft)          140.88     176.66      71.16
  Conv. Total (cfs)       183774700.0    Conv. (cfs)            126120500.0   27010390.0   30643810.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.04    2578.11
  Min Ch El (ft)            565.62    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.43       0.63       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      340.89      62.92     129.14
  C & E Loss (ft)                     Cum SA (acres)              2.42       0.36       1.81


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 904.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.61    3800  565.61    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479006.60   88333.96   181461.20
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479006.60   88333.96   181461.20
  Q Total (cfs)           1069826.00    Flow (cfs)              734193.10   157244.20   178388.80
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.44    Hydr. Depth (ft)          140.88     176.67      71.16
  Conv. Total (cfs)       183775800.0    Conv. (cfs)            126120500.0   27011560.0   30643810.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.05    2578.11
  Min Ch El (ft)            565.61    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      335.39      61.91     127.05
  C & E Loss (ft)                     Cum SA (acres)              2.38       0.35       1.79


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 904.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650   565.6    3800   565.6    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479006.20   88336.65   181460.90
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479006.20   88336.65   181460.90
  Q Total (cfs)           1069826.00    Flow (cfs)              734188.60   157250.00   178387.40
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.45    Hydr. Depth (ft)          140.88     176.67      71.16
  Conv. Total (cfs)       183776700.0    Conv. (cfs)            126120300.0   27012710.0   30643720.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.06    2578.11
  Min Ch El (ft)            565.60    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      329.89      60.89     124.97
  C & E Loss (ft)                     Cum SA (acres)              2.34       0.34       1.76


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: PALUXY
REACH: LOWER PALUXY       RS: 903.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.59    3800  565.59    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479006.20   88339.39   181460.90
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479006.20   88339.39   181460.90
  Q Total (cfs)           1069826.00    Flow (cfs)             734183.80   157255.90   178386.30
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.46    Hydr. Depth (ft)          140.88     176.68      71.16
  Conv. Total (cfs)       183777900.0    Conv. (cfs)            126120300.0   27013880.0   30643720.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.06    2578.11
  Min Ch El (ft)            565.59    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      324.39      59.88     122.89
  C & E Loss (ft)                     Cum SA (acres)              2.30       0.34       1.73

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 903.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.58    3800  565.58    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479005.90   88342.11   181460.70
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479005.90   88342.11   181460.70
  Q Total (cfs)           1074305.00    Flow (cfs)             737253.00   157920.10   179131.90
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.54       1.79       0.99
  Max Chl Dpth (ft)         194.47    Hydr. Depth (ft)          140.88     176.68      71.16
  Conv. Total (cfs)       183778900.0    Conv. (cfs)            126120200.0   27015030.0   30643680.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.07    2578.11
  Min Ch El (ft)            565.58    Shear (lb/sq ft)            0.29       0.37       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.45       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      318.89      58.87     120.80
  C & E Loss (ft)                     Cum SA (acres)              2.26       0.33       1.70

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 902.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.57    3800  565.57    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
```

```
  Crit W.S. (ft)                      Flow Area (sq ft)       479005.90   88344.86   181460.70
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479005.90   88344.86   181460.70
  Q Total (cfs)           1069826.00    Flow (cfs)              734174.50   157267.60   178383.90
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.48    Hydr. Depth (ft)          140.88     176.69      71.16
  Conv. Total (cfs)       183780100.0    Conv. (cfs)            126120200.0   27016210.0   30643680.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.08    2578.11
  Min Ch El (ft)            565.57    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      313.40      57.85     118.72
  C & E Loss (ft)                     Cum SA (acres)              2.22       0.33       1.67


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 902.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.56    3800  565.56    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479005.50   88347.55   181460.40
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479005.50   88347.55   181460.40
  Q Total (cfs)           1069826.00    Flow (cfs)              734170.00   157273.50   178382.50
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.49    Hydr. Depth (ft)          140.88     176.70      71.16
  Conv. Total (cfs)       183780900.0    Conv. (cfs)            126120000.0   27017360.0   30643590.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.08    2578.11
  Min Ch El (ft)            565.56    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      307.90      56.84     116.64
  C & E Loss (ft)                     Cum SA (acres)              2.19       0.32       1.64


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 901.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.55    3800  565.55    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479005.10   88350.24   181460.10
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            479005.10   88350.24   181460.10
  Q Total (cfs)           1061540.00    Flow (cfs)              728479.20   156061.20   176999.60
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.52       1.77       0.98
  Max Chl Dpth (ft)         194.50    Hydr. Depth (ft)          140.88     176.70      71.16
  Conv. Total (cfs)       183781800.0    Conv. (cfs)            126119800.0   27018490.0   30643510.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.09    2578.11
  Min Ch El (ft)            565.55    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.43       0.63       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      302.40      55.82     114.56
  C & E Loss (ft)                     Cum SA (acres)              2.15       0.32       1.61


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 901.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
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```
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.54    3800  565.54    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479005.10   88352.99   181460.10
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            479005.10   88352.99   181460.10
  Q Total (cfs)           1061540.00    Flow (cfs)              728474.60   156067.00   176998.50
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.52       1.77       0.98
  Max Chl Dpth (ft)         194.51    Hydr. Depth (ft)          140.88     176.71      71.16
  Conv. Total (cfs)       183783000.0    Conv. (cfs)            126119800.0   27019670.0   30643510.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.10    2578.11
  Min Ch El (ft)            565.54    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.43       0.63       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      296.90      54.81     112.47
  C & E Loss (ft)                     Cum SA (acres)              2.11       0.31       1.58

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 900.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.53    3800  565.53    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479004.90   88355.70   181459.90
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            479004.90   88355.70   181459.90
  Q Total (cfs)           1061540.00    Flow (cfs)              728470.00   156072.80   176997.20
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.52       1.77       0.98
  Max Chl Dpth (ft)         194.52    Hydr. Depth (ft)          140.88     176.71      71.16
  Conv. Total (cfs)       183784000.0    Conv. (cfs)            126119700.0   27020820.0   30643460.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.10    2578.11
  Min Ch El (ft)            565.53    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.43       0.63       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      291.40      53.80     110.39
  C & E Loss (ft)                     Cum SA (acres)              2.07       0.30       1.55

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 900.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.52    3800  565.52    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479004.90   88358.45   181459.90
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479004.90   88358.45   181459.90
  Q Total (cfs)           1069826.00    Flow (cfs)              734151.40   157296.90   178377.70
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.53    Hydr. Depth (ft)          140.88     176.72      71.16
  Conv. Total (cfs)       183785200.0    Conv. (cfs)            126119700.0   27022000.0   30643460.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.11    2578.11
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  Min Ch El (ft)            565.52    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      285.90      52.78     108.31
  C & E Loss (ft)                     Cum SA (acres)              2.03       0.30       1.52


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 899.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.51    3800  565.51    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479004.90   88361.20   181459.90
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479004.90   88361.20   181459.90
  Q Total (cfs)           1069826.00    Flow (cfs)              734146.80   157302.70   178376.50
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.54    Hydr. Depth (ft)          140.88     176.72      71.16
  Conv. Total (cfs)       183786400.0    Conv. (cfs)            126119700.0   27023170.0   30643460.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.12    2578.11
  Min Ch El (ft)            565.51    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      280.41      51.77     106.22
  C & E Loss (ft)                     Cum SA (acres)              1.99       0.29       1.49


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 899.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650   565.5    3800   565.5    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479004.50   88363.90   181459.60
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479004.50   88363.90   181459.60
  Q Total (cfs)           1069826.00    Flow (cfs)              734142.20   157308.60   178375.20
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.55    Hydr. Depth (ft)          140.88     176.73      71.16
  Conv. Total (cfs)       183787200.0    Conv. (cfs)            126119600.0   27024310.0   30643380.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.12    2578.11
  Min Ch El (ft)            565.50    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      274.91      50.75     104.14
  C & E Loss (ft)                     Cum SA (acres)              1.95       0.29       1.46


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 898.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.49    3800  565.49    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
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       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479004.10   88366.59   181459.30
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479004.10   88366.59   181459.30
  Q Total (cfs)           1069826.00    Flow (cfs)              734137.70   157314.50   178373.80
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.56    Hydr. Depth (ft)          140.88     176.73      71.16
  Conv. Total (cfs)       183788100.0    Conv. (cfs)            126119400.0   27025460.0   30643290.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.13    2578.11
  Min Ch El (ft)            565.49    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      269.41      49.74     102.06
  C & E Loss (ft)                     Cum SA (acres)              1.91       0.28       1.43


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 898.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.48    3800  565.48    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479004.10   88369.34   181459.30
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479004.10   88369.34   181459.30
  Q Total (cfs)           1074305.00    Flow (cfs)              737206.60   157979.00   179119.50
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.54       1.79       0.99
  Max Chl Dpth (ft)         194.57    Hydr. Depth (ft)          140.88     176.74      71.16
  Conv. Total (cfs)       183789300.0    Conv. (cfs)            126119400.0   27026630.0   30643290.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.14    2578.11
  Min Ch El (ft)            565.48    Shear (lb/sq ft)            0.29       0.37       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.45       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      263.91      48.72      99.98
  C & E Loss (ft)                     Cum SA (acres)              1.87       0.28       1.40


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 897.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.47    3800  565.47    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479003.90   88372.07   181459.20
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479003.90   88372.07   181459.20
  Q Total (cfs)           1074305.00    Flow (cfs)              737201.90   157984.90   179118.20
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.54       1.79       0.99
  Max Chl Dpth (ft)         194.58    Hydr. Depth (ft)          140.88     176.74      71.16
  Conv. Total (cfs)       183790300.0    Conv. (cfs)            126119300.0   27027790.0   30643250.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.14    2578.11
  Min Ch El (ft)            565.47    Shear (lb/sq ft)            0.29       0.37       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.45       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      258.41      47.71      97.89
  C & E Loss (ft)                     Cum SA (acres)              1.83       0.27       1.38


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 897.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.46    3800  565.46    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)              0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479003.90   88374.80   181459.20
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479003.90   88374.80   181459.20
  Q Total (cfs)           1069826.00    Flow (cfs)             734123.70   157332.00   178370.30
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.59    Hydr. Depth (ft)          140.88     176.75      71.16
  Conv. Total (cfs)       183791500.0    Conv. (cfs)            126119300.0   27028950.0   30643250.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.15    2578.11
  Min Ch El (ft)            565.46    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      252.92      46.70      95.81
  C & E Loss (ft)                     Cum SA (acres)              1.80       0.26       1.35


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 896.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.45    3800  565.45    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)              0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479003.50   88377.49   181458.90
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            479003.50   88377.49   181458.90
  Q Total (cfs)           1061540.00    Flow (cfs)             728433.30   156119.30   176987.50
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.52       1.77       0.98
  Max Chl Dpth (ft)         194.60    Hydr. Depth (ft)          140.88     176.76      71.16
  Conv. Total (cfs)       183792400.0    Conv. (cfs)            126119100.0   27030100.0   30643160.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.16    2578.11
  Min Ch El (ft)            565.45    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.43       0.63       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      247.42      45.68      93.73
  C & E Loss (ft)                     Cum SA (acres)              1.76       0.26       1.32


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 896.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.44    3800  565.44    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                    Left OB    Channel   Right OB
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  Vel Head (ft)              0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       479003.30   88380.21   181458.70
  E.G. Slope (ft/ft)     0.000033    Area (sq ft)            479003.30   88380.21   181458.70
  Q Total (cfs)          1061540.00    Flow (cfs)              728428.80   156125.10   176986.20
  Top Width (ft)          6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)           1.42    Avg. Vel. (ft/s)            1.52       1.77       0.98
  Max Chl Dpth (ft)        194.61    Hydr. Depth (ft)          140.88     176.76      71.16
  Conv. Total (cfs)      183793400.0    Conv. (cfs)            126119000.0   27031260.0   30643110.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)         3495.68     515.16    2578.11
  Min Ch El (ft)           565.44    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                      1.10    Stream Power (lb/ft s)      0.43       0.63       0.14
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)      241.92      44.67      91.64
  C & E Loss (ft)                    Cum SA (acres)              1.72       0.25       1.29


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 895.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.43    3800  565.43    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)           760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       479003.30   88382.97   181458.70
  E.G. Slope (ft/ft)     0.000034    Area (sq ft)            479003.30   88382.97   181458.70
  Q Total (cfs)          1069826.00    Flow (cfs)              734109.90   157349.60   178366.50
  Top Width (ft)          6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)           1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)        194.62    Hydr. Depth (ft)          140.88     176.77      71.16
  Conv. Total (cfs)      183794600.0    Conv. (cfs)            126119000.0   27032430.0   30643110.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)         3495.68     515.17    2578.11
  Min Ch El (ft)           565.43    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                      1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)      236.42      43.65      89.56
  C & E Loss (ft)                    Cum SA (acres)              1.68       0.25       1.26


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 895.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.42    3800  565.42    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)           760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)              0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)           760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                     Flow Area (sq ft)       479002.80   88385.66   181458.40
  E.G. Slope (ft/ft)     0.000033    Area (sq ft)            479002.80   88385.66   181458.40
  Q Total (cfs)          1061540.00    Flow (cfs)              728419.60   156136.80   176983.70
  Top Width (ft)          6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)           1.42    Avg. Vel. (ft/s)            1.52       1.77       0.98
  Max Chl Dpth (ft)        194.63    Hydr. Depth (ft)          140.88     176.77      71.16
  Conv. Total (cfs)      183795400.0    Conv. (cfs)            126118800.0   27033580.0   30643030.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)         3495.68     515.18    2578.11
  Min Ch El (ft)           565.42    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                      1.10    Stream Power (lb/ft s)      0.43       0.63       0.14
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)      230.92      42.64      87.48
  C & E Loss (ft)                    Cum SA (acres)              1.64       0.24       1.23


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 894.5*

INPUT
Description:
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Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.41    3800  565.41    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479002.40   88388.34   181458.10
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            479002.40   88388.34   181458.10
  Q Total (cfs)           1061540.00    Flow (cfs)            728415.00   156142.60   176982.40
  Top Width (ft)           6450.00    Top Width (ft)          3400.00     500.00    2550.00
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)           1.52       1.77       0.98
  Max Chl Dpth (ft)         194.64    Hydr. Depth (ft)         140.88     176.78      71.16
  Conv. Total (cfs)       183796300.0    Conv. (cfs)          126118700.0   27034720.0   30642940.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        3495.68     515.18    2578.11
  Min Ch El (ft)            565.41    Shear (lb/sq ft)           0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)     0.43       0.63       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     225.42      41.62      85.40
  C & E Loss (ft)                     Cum SA (acres)             1.60       0.24       1.20

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 894.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650   565.4    3800   565.4    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479002.40   88391.09   181458.10
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479002.40   88391.09   181458.10
  Q Total (cfs)           1069826.00    Flow (cfs)            734096.10   157367.20   178362.70
  Top Width (ft)           6450.00    Top Width (ft)          3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)           1.53       1.78       0.98
  Max Chl Dpth (ft)         194.65    Hydr. Depth (ft)         140.88     176.78      71.16
  Conv. Total (cfs)       183797500.0    Conv. (cfs)          126118700.0   27035890.0   30642940.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        3495.68     515.19    2578.11
  Min Ch El (ft)            565.40    Shear (lb/sq ft)           0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)     0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     219.93      40.61      83.31
  C & E Loss (ft)                     Cum SA (acres)             1.56       0.23       1.17

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 893.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.39    3800  565.39    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479002.40   88393.84   181458.10
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479002.40   88393.84   181458.10
  Q Total (cfs)           1069826.00    Flow (cfs)            734091.40   157373.00   178361.60
  Top Width (ft)           6450.00    Top Width (ft)          3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)           1.53       1.78       0.98
  Max Chl Dpth (ft)         194.66    Hydr. Depth (ft)         140.88     176.79      71.16
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  Conv. Total (cfs)       183798700.0    Conv. (cfs)            126118700.0   27037060.0   30642940.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.20    2578.11
  Min Ch El (ft)            565.39    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      214.43      39.59      81.23
  C & E Loss (ft)                     Cum SA (acres)              1.52       0.22       1.14

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 893.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.38    3800  565.38    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479002.20   88396.56   181457.90
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479002.20   88396.56   181457.90
  Q Total (cfs)           1074305.00    Flow (cfs)            737160.10   158037.80   179107.10
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.54       1.79       0.99
  Max Chl Dpth (ft)         194.67    Hydr. Depth (ft)          140.88     176.79      71.16
  Conv. Total (cfs)       183799700.0    Conv. (cfs)            126118600.0   27038220.0   30642900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.20    2578.11
  Min Ch El (ft)            565.38    Shear (lb/sq ft)            0.29       0.37       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.45       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      208.93      38.58      79.15
  C & E Loss (ft)                     Cum SA (acres)              1.48       0.22       1.11

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 892.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.37    3800  565.37    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479002.20   88399.31   181457.90
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479002.20   88399.31   181457.90
  Q Total (cfs)           1074305.00    Flow (cfs)            737155.40   158043.60   179105.90
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.54       1.79       0.99
  Max Chl Dpth (ft)         194.68    Hydr. Depth (ft)          140.88     176.80      71.16
  Conv. Total (cfs)       183800900.0    Conv. (cfs)            126118600.0   27039390.0   30642900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.21    2578.11
  Min Ch El (ft)            565.37    Shear (lb/sq ft)            0.29       0.37       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.45       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      203.43      37.56      77.06
  C & E Loss (ft)                     Cum SA (acres)              1.44       0.21       1.08

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 892.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.36    3800  565.36    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740
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```
Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479001.80   88402.01   181457.60
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            479001.80   88402.01   181457.60
  Q Total (cfs)           1061540.00    Flow (cfs)              728391.90   156171.60   176976.40
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.52       1.77       0.98
  Max Chl Dpth (ft)         194.69    Hydr. Depth (ft)          140.88     176.80      71.16
  Conv. Total (cfs)       183801700.0    Conv. (cfs)            126118400.0   27040540.0   30642810.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.21    2578.11
  Min Ch El (ft)            565.36    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.43       0.63       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      197.93      36.55      74.98
  C & E Loss (ft)                     Cum SA (acres)              1.40       0.21       1.05


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 891.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.35    3800  565.35    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479001.40   88404.70   181457.30
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            479001.40   88404.70   181457.30
  Q Total (cfs)           1061540.00    Flow (cfs)              728387.50   156177.40   176975.00
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.52       1.77       0.98
  Max Chl Dpth (ft)         194.70    Hydr. Depth (ft)          140.88     176.81      71.16
  Conv. Total (cfs)       183802600.0    Conv. (cfs)            126118200.0   27041680.0   30642720.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.22    2578.11
  Min Ch El (ft)            565.35    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.43       0.63       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      192.44      35.54      72.90
  C & E Loss (ft)                     Cum SA (acres)              1.37       0.20       1.02


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 891.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.34    3800  565.34    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479001.40   88407.44   181457.30
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479001.40   88407.44   181457.30
  Q Total (cfs)           1069826.00    Flow (cfs)              734068.40   157402.30   178355.30
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.71    Hydr. Depth (ft)          140.88     176.81      71.16
  Conv. Total (cfs)       183803800.0    Conv. (cfs)            126118200.0   27042850.0   30642720.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.23    2578.11
  Min Ch El (ft)            565.34    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      186.94      34.52      70.82
  C & E Loss (ft)                     Cum SA (acres)              1.33       0.20       1.00
```

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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 890.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.33    3800  565.33    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479001.20   88410.16   181457.10
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479001.20   88410.16   181457.10
  Q Total (cfs)           1069826.00    Flow (cfs)              734063.80   157408.20   178354.10
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.72    Hydr. Depth (ft)          140.88     176.82      71.16
  Conv. Total (cfs)       183804800.0    Conv. (cfs)            126118100.0   27044000.0   30642680.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.23    2578.11
  Min Ch El (ft)            565.33    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      181.44      33.51      68.73
  C & E Loss (ft)                     Cum SA (acres)              1.29       0.19       0.97


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 890.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.32    3800  565.32    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479001.20   88412.91   181457.10
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            479001.20   88412.91   181457.10
  Q Total (cfs)           1061540.00    Flow (cfs)              728373.60   156194.80   176971.60
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.52       1.77       0.98
  Max Chl Dpth (ft)         194.73    Hydr. Depth (ft)          140.88     176.83      71.16
  Conv. Total (cfs)       183806000.0    Conv. (cfs)            126118100.0   27045180.0   30642680.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.24    2578.11
  Min Ch El (ft)            565.32    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.43       0.63       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      175.94      32.49      66.65
  C & E Loss (ft)                     Cum SA (acres)              1.25       0.18       0.94


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 889.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.31    3800  565.31    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
```

```
  E.G. Elev (ft)            760.09    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479000.80   88415.60   181456.80
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            479000.80   88415.60   181456.80
  Q Total (cfs)           1051164.00    Flow (cfs)             721249.70   154673.90   175240.40
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.40    Avg. Vel. (ft/s)            1.51       1.75       0.97
  Max Chl Dpth (ft)         194.74    Hydr. Depth (ft)          140.88     176.83      71.16
  Conv. Total (cfs)       183806900.0    Conv. (cfs)            126117900.0   27046320.0   30642600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.25    2578.11
  Min Ch El (ft)            565.31    Shear (lb/sq ft)            0.28       0.35       0.14
  Alpha                       1.10    Stream Power (lb/ft s)      0.42       0.61       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      170.44      31.48      64.57
  C & E Loss (ft)                     Cum SA (acres)              1.21       0.18       0.91


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 889.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650   565.3    3800   565.3    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479000.80   88418.35   181456.80
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479000.80   88418.35   181456.80
  Q Total (cfs)           1069826.00    Flow (cfs)             734049.80   157425.70   178350.50
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.75    Hydr. Depth (ft)          140.88     176.84      71.16
  Conv. Total (cfs)       183808000.0    Conv. (cfs)            126117900.0   27047490.0   30642600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.25    2578.11
  Min Ch El (ft)            565.30    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      164.94      30.46      62.48
  C & E Loss (ft)                     Cum SA (acres)              1.17       0.17       0.88


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 888.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.29    3800  565.29    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479000.30   88421.04   181456.50
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479000.30   88421.04   181456.50
  Q Total (cfs)           1069826.00    Flow (cfs)             734045.30   157431.60   178349.10
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.76    Hydr. Depth (ft)          140.88     176.84      71.16
  Conv. Total (cfs)       183808900.0    Conv. (cfs)            126117800.0   27048630.0   30642510.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.26    2578.11
  Min Ch El (ft)            565.29    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      159.45      29.45      60.40
  C & E Loss (ft)                     Cum SA (acres)              1.13       0.17       0.85


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 888.*
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INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.28    3800  565.28    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479000.30   88423.78   181456.50
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479000.30   88423.78   181456.50
  Q Total (cfs)           1069826.00    Flow (cfs)             734040.60   157437.40   178348.00
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.77    Hydr. Depth (ft)          140.88     176.85      71.16
  Conv. Total (cfs)       183810100.0    Conv. (cfs)            126117800.0   27049800.0   30642510.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.27    2578.11
  Min Ch El (ft)            565.28    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      153.95      28.43      58.32
  C & E Loss (ft)                     Cum SA (acres)              1.09       0.16       0.82

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 887.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.27    3800  565.27    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479000.20   88426.50   181456.40
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            479000.20   88426.50   181456.40
  Q Total (cfs)           1074305.00    Flow (cfs)             737109.10   158102.40   179093.40
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.54       1.79       0.99
  Max Chl Dpth (ft)         194.78    Hydr. Depth (ft)          140.88     176.85      71.16
  Conv. Total (cfs)       183811100.0    Conv. (cfs)            126117700.0   27050960.0   30642470.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.27    2578.11
  Min Ch El (ft)            565.27    Shear (lb/sq ft)            0.29       0.37       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.45       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      148.45      27.42      56.24
  C & E Loss (ft)                     Cum SA (acres)              1.05       0.15       0.79

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 887.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.26    3800  565.26    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479000.20   88429.25   181456.40
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            479000.20   88429.25   181456.40
  Q Total (cfs)           1061540.00    Flow (cfs)             728346.10   156229.60   176964.30
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
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  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.52       1.77       0.98
  Max Chl Dpth (ft)         194.79    Hydr. Depth (ft)          140.88     176.86      71.16
  Conv. Total (cfs)       183812300.0    Conv. (cfs)            126117700.0   27052130.0   30642470.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.28    2578.11
  Min Ch El (ft)            565.26    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.43       0.63       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      142.95      26.40      54.15
  C & E Loss (ft)                     Cum SA (acres)              1.01       0.15       0.76


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 886.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.25    3800  565.25    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478999.80   88431.95   181456.00
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            478999.80   88431.95   181456.00
  Q Total (cfs)           1061540.00    Flow (cfs)              728341.60   156235.50   176962.90
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.52       1.77       0.98
  Max Chl Dpth (ft)         194.80    Hydr. Depth (ft)          140.88     176.86      71.16
  Conv. Total (cfs)       183813200.0    Conv. (cfs)            126117500.0   27053280.0   30642380.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.29    2578.11
  Min Ch El (ft)            565.25    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.43       0.63       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      137.45      25.39      52.07
  C & E Loss (ft)                     Cum SA (acres)              0.98       0.14       0.73


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 886.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.24    3800  565.24    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478999.30   88434.63   181455.80
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            478999.30   88434.63   181455.80
  Q Total (cfs)           1069826.00    Flow (cfs)              734022.30   157460.90   178342.90
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.81    Hydr. Depth (ft)          140.88     176.87      71.16
  Conv. Total (cfs)       183814000.0    Conv. (cfs)            126117300.0   27054410.0   30642300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.29    2578.11
  Min Ch El (ft)            565.24    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      131.96      24.37      49.99
  C & E Loss (ft)                     Cum SA (acres)              0.94       0.14       0.70


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 885.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.23    3800  565.23    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
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    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478999.30   88437.39   181455.80
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            478999.30   88437.39   181455.80
  Q Total (cfs)           1051164.00    Flow (cfs)             721213.40   154719.80   175230.80
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.40    Avg. Vel. (ft/s)            1.51       1.75       0.97
  Max Chl Dpth (ft)         194.82    Hydr. Depth (ft)          140.88     176.87      71.16
  Conv. Total (cfs)       183815200.0    Conv. (cfs)            126117300.0   27055590.0   30642300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.30    2578.11
  Min Ch El (ft)            565.23    Shear (lb/sq ft)            0.28       0.35       0.14
  Alpha                       1.10    Stream Power (lb/ft s)      0.42       0.61       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      126.46      23.36      47.90
  C & E Loss (ft)                     Cum SA (acres)              0.90       0.13       0.67


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 885.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.22    3800  565.22    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478999.10   88440.12   181455.60
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            478999.10   88440.12   181455.60
  Q Total (cfs)           1051164.00    Flow (cfs)             721208.90   154725.60   175229.50
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.40    Avg. Vel. (ft/s)            1.51       1.75       0.97
  Max Chl Dpth (ft)         194.83    Hydr. Depth (ft)          140.88     176.88      71.16
  Conv. Total (cfs)       183816200.0    Conv. (cfs)            126117200.0   27056750.0   30642250.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.31    2578.11
  Min Ch El (ft)            565.22    Shear (lb/sq ft)            0.28       0.35       0.14
  Alpha                       1.10    Stream Power (lb/ft s)      0.42       0.61       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      120.96      22.34      45.82
  C & E Loss (ft)                     Cum SA (acres)              0.86       0.13       0.64


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 884.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.21    3800  565.21    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478998.70   88442.79   181455.30
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            478998.70   88442.79   181455.30
  Q Total (cfs)           1061540.00    Flow (cfs)             728323.40   156258.70   176957.90
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.52       1.77       0.98
  Max Chl Dpth (ft)         194.84    Hydr. Depth (ft)          140.88     176.89      71.16
  Conv. Total (cfs)       183817100.0    Conv. (cfs)            126117000.0   27057880.0   30642160.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.31    2578.11
  Min Ch El (ft)            565.21    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.43       0.63       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      115.46      21.33      43.74
  C & E Loss (ft)                     Cum SA (acres)              0.82       0.12       0.61
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 884.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650   565.2    3800   565.2    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478998.70   88445.54   181455.30
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            478998.70   88445.54   181455.30
  Q Total (cfs)           1039093.00    Flow (cfs)             712917.90   152960.20   173214.90
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.39    Avg. Vel. (ft/s)            1.49       1.73       0.95
  Max Chl Dpth (ft)         194.85    Hydr. Depth (ft)          140.88     176.89      71.16
  Conv. Total (cfs)       183818300.0    Conv. (cfs)            126117000.0   27059060.0   30642160.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.32    2578.11
  Min Ch El (ft)            565.20    Shear (lb/sq ft)            0.27       0.34       0.14
  Alpha                       1.10    Stream Power (lb/ft s)      0.41       0.59       0.13
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      109.96      20.31      41.66
  C & E Loss (ft)                     Cum SA (acres)              0.78       0.11       0.59


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 883.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.19    3800  565.19    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478998.70   88448.29   181455.30
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            478998.70   88448.29   181455.30
  Q Total (cfs)           1069826.00    Flow (cfs)             733999.10   157490.10   178336.90
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.86    Hydr. Depth (ft)          140.88     176.90      71.16
  Conv. Total (cfs)       183819400.0    Conv. (cfs)            126117000.0   27060230.0   30642160.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.33    2578.11
  Min Ch El (ft)            565.19    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      104.46      19.30      39.57
  C & E Loss (ft)                     Cum SA (acres)              0.74       0.11       0.56


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 883.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.18    3800  565.18    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3
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CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478998.50   88451.02   181455.10
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            478998.50   88451.02   181455.10
  Q Total (cfs)           1069826.00    Flow (cfs)            733994.40   157495.90   178335.60
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.87    Hydr. Depth (ft)          140.88     176.90      71.16
  Conv. Total (cfs)       183820500.0    Conv. (cfs)            126117000.0   27061390.0   30642120.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.33    2578.11
  Min Ch El (ft)            565.18    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)       98.97      18.28      37.49
  C & E Loss (ft)                     Cum SA (acres)              0.70       0.10       0.53


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 882.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.17    3800  565.17    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478998.50   88453.77   181455.10
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            478998.50   88453.77   181455.10
  Q Total (cfs)           1061540.00    Flow (cfs)            728304.90   156281.90   176953.30
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.52       1.77       0.98
  Max Chl Dpth (ft)         194.88    Hydr. Depth (ft)          140.88     176.91      71.16
  Conv. Total (cfs)       183821600.0    Conv. (cfs)            126117000.0   27062560.0   30642120.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.34    2578.11
  Min Ch El (ft)            565.17    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.43       0.63       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)       93.47      17.26      35.41
  C & E Loss (ft)                     Cum SA (acres)              0.66       0.10       0.50


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 882.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.16    3800  565.16    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478998.10   88456.46   181454.80
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            478998.10   88456.46   181454.80
  Q Total (cfs)           1061540.00    Flow (cfs)            728300.40   156287.70   176951.90
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.52       1.77       0.98
  Max Chl Dpth (ft)         194.89    Hydr. Depth (ft)          140.88     176.91      71.16
  Conv. Total (cfs)       183822500.0    Conv. (cfs)            126116800.0   27063710.0   30642030.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.67     515.35    2578.11
  Min Ch El (ft)            565.16    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.43       0.63       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)       87.97      16.25      33.32
  C & E Loss (ft)                     Cum SA (acres)              0.62       0.09       0.47


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
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REACH: LOWER PALUXY       RS: 881.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.15    3800  565.15    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478997.70   88459.14   181454.50
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            478997.70   88459.14   181454.50
  Q Total (cfs)           1074305.00    Flow (cfs)              737053.60   158173.00   179078.40
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.54       1.79       0.99
  Max Chl Dpth (ft)         194.90    Hydr. Depth (ft)          140.88     176.92      71.16
  Conv. Total (cfs)       183823400.0    Conv. (cfs)            126116600.0   27064840.0   30641950.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.67     515.35    2578.11
  Min Ch El (ft)            565.15    Shear (lb/sq ft)            0.29       0.37       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.45       0.65       0.15
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)       82.47      15.23      31.24
  C & E Loss (ft)                     Cum SA (acres)              0.59       0.09       0.44

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 881.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.14    3800  565.14    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478997.70   88461.89   181454.50
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            478997.70   88461.89   181454.50
  Q Total (cfs)           1051164.00    Flow (cfs)              721172.60   154771.60   175219.80
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.40    Avg. Vel. (ft/s)            1.51       1.75       0.97
  Max Chl Dpth (ft)         194.91    Hydr. Depth (ft)          140.88     176.92      71.16
  Conv. Total (cfs)       183824600.0    Conv. (cfs)            126116600.0   27066010.0   30641950.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.67     515.36    2578.11
  Min Ch El (ft)            565.14    Shear (lb/sq ft)            0.28       0.35       0.14
  Alpha                       1.10    Stream Power (lb/ft s)      0.42       0.61       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)       76.97      14.22      29.16
  C & E Loss (ft)                     Cum SA (acres)              0.55       0.08       0.41

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 880.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.13    3800  565.13    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478997.40   88464.61   181454.30
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            478997.40   88464.61   181454.30
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  Q Total (cfs)           1061540.00    Flow (cfs)              728286.60   156305.20   176948.20
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.52       1.77       0.98
  Max Chl Dpth (ft)         194.92    Hydr. Depth (ft)          140.88     176.93      71.16
  Conv. Total (cfs)       183825600.0    Conv. (cfs)            126116500.0   27067170.0   30641900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.67     515.37    2578.11
  Min Ch El (ft)            565.13    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.43       0.63       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)       71.48      13.20      27.08
  C & E Loss (ft)                     Cum SA (acres)              0.51       0.07       0.38


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 880.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.12    3800  565.12    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478997.40   88467.36   181454.30
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            478997.40   88467.36   181454.30
  Q Total (cfs)           1039093.00    Flow (cfs)              712882.00   153005.60   173205.40
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.39    Avg. Vel. (ft/s)            1.49       1.73       0.95
  Max Chl Dpth (ft)         194.93    Hydr. Depth (ft)          140.88     176.93      71.16
  Conv. Total (cfs)       183826700.0    Conv. (cfs)            126116500.0   27068340.0   30641900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.67     515.37    2578.11
  Min Ch El (ft)            565.12    Shear (lb/sq ft)            0.27       0.34       0.14
  Alpha                       1.10    Stream Power (lb/ft s)      0.41       0.59       0.13
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)       65.98      12.19      24.99
  C & E Loss (ft)                     Cum SA (acres)              0.47       0.07       0.35


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 879.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.11    3800  565.11    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478997.00   88470.05   181454.00
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            478997.00   88470.05   181454.00
  Q Total (cfs)           1025431.00    Flow (cfs)              703504.60   150999.50   170926.80
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.37    Avg. Vel. (ft/s)            1.47       1.71       0.94
  Max Chl Dpth (ft)         194.94    Hydr. Depth (ft)          140.88     176.94      71.16
  Conv. Total (cfs)       183827600.0    Conv. (cfs)            126116300.0   27069490.0   30641810.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.67     515.38    2578.11
  Min Ch El (ft)            565.11    Shear (lb/sq ft)            0.27       0.33       0.14
  Alpha                       1.10    Stream Power (lb/ft s)      0.39       0.57       0.13
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)       60.48      11.17      22.91
  C & E Loss (ft)                     Cum SA (acres)              0.43       0.06       0.32


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 879.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
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    3650   565.1    3800   565.1    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478996.60   88472.74   181453.70
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            478996.60   88472.74   181453.70
  Q Total (cfs)           1025431.00    Flow (cfs)             703500.30   151005.20   170925.50
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.37    Avg. Vel. (ft/s)            1.47       1.71       0.94
  Max Chl Dpth (ft)         194.95    Hydr. Depth (ft)          140.88     176.95      71.16
  Conv. Total (cfs)       183828500.0    Conv. (cfs)           126116200.0   27070620.0   30641730.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.67     515.39    2578.11
  Min Ch El (ft)            565.10    Shear (lb/sq ft)            0.27       0.33       0.14
  Alpha                       1.10    Stream Power (lb/ft s)      0.39       0.57       0.13
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)       54.98      10.16      20.83
  C & E Loss (ft)                     Cum SA (acres)              0.39       0.06       0.29

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 878.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.09    3800  565.09    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478996.60   88475.48   181453.70
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            478996.60   88475.48   181453.70
  Q Total (cfs)           1010449.00    Flow (cfs)             693217.40   148804.40   168427.10
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.35    Avg. Vel. (ft/s)            1.45       1.68       0.93
  Max Chl Dpth (ft)         194.96    Hydr. Depth (ft)          140.88     176.95      71.16
  Conv. Total (cfs)       183829700.0    Conv. (cfs)           126116200.0   27071790.0   30641730.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.67     515.39    2578.11
  Min Ch El (ft)            565.09    Shear (lb/sq ft)            0.26       0.32       0.13
  Alpha                       1.10    Stream Power (lb/ft s)      0.37       0.54       0.12
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)       49.48       9.14      18.75
  C & E Loss (ft)                     Cum SA (acres)              0.35       0.05       0.26

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 878.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.08    3800  565.08    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.09    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478996.60   88478.23   181453.70
  E.G. Slope (ft/ft)      0.000034    Area (sq ft)            478996.60   88478.23   181453.70
  Q Total (cfs)           1069826.00    Flow (cfs)             733948.30   157554.40   178323.30
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.53       1.78       0.98
  Max Chl Dpth (ft)         194.97    Hydr. Depth (ft)          140.88     176.96      71.16
  Conv. Total (cfs)       183830800.0    Conv. (cfs)           126116200.0   27072960.0   30641730.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.67     515.40    2578.11
  Min Ch El (ft)            565.08    Shear (lb/sq ft)            0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)      0.44       0.65       0.15
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  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)       43.98       8.13      16.66
  C & E Loss (ft)                    Cum SA (acres)              0.31       0.05       0.23


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 877.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.07    3800  565.07    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478996.40   88480.95   181453.60
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            478996.40   88480.95   181453.60
  Q Total (cfs)           1061540.00    Flow (cfs)            728259.20   156339.90   176940.90
  Top Width (ft)           6450.00    Top Width (ft)          3400.00     500.00    2550.00
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)           1.52       1.77       0.98
  Max Chl Dpth (ft)         194.98    Hydr. Depth (ft)         140.88     176.96      71.16
  Conv. Total (cfs)       183831900.0    Conv. (cfs)          126116100.0   27074120.0   30641690.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        3495.67     515.41    2578.11
  Min Ch El (ft)            565.07    Shear (lb/sq ft)           0.29       0.36       0.15
  Alpha                       1.10    Stream Power (lb/ft s)     0.43       0.63       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      38.49       7.11      14.58
  C & E Loss (ft)                     Cum SA (acres)             0.27       0.04       0.20


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 877.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.06    3800  565.06    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478996.40   88483.70   181453.60
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            478996.40   88483.70   181453.60
  Q Total (cfs)           1051164.00    Flow (cfs)            721136.20   154817.50   175210.30
  Top Width (ft)           6450.00    Top Width (ft)          3400.00     500.00    2550.00
  Vel Total (ft/s)            1.40    Avg. Vel. (ft/s)           1.51       1.75       0.97
  Max Chl Dpth (ft)         194.99    Hydr. Depth (ft)         140.88     176.97      71.16
  Conv. Total (cfs)       183833100.0    Conv. (cfs)          126116100.0   27075290.0   30641690.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)        3495.67     515.41    2578.11
  Min Ch El (ft)            565.06    Shear (lb/sq ft)           0.28       0.35       0.14
  Alpha                       1.10    Stream Power (lb/ft s)     0.42       0.61       0.14
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      32.99       6.09      12.50
  C & E Loss (ft)                     Cum SA (acres)             0.23       0.03       0.18


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 876.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.05    3800  565.05    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15
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```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.08    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478996.00   88486.40   181453.20
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            478996.00   88486.40   181453.20
  Q Total (cfs)           1039093.00    Flow (cfs)             712850.60   153045.40   173196.90
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.39    Avg. Vel. (ft/s)            1.49       1.73       0.95
  Max Chl Dpth (ft)         195.00    Hydr. Depth (ft)          140.88     176.97      71.16
  Conv. Total (cfs)       183833900.0    Conv. (cfs)            126115900.0   27076440.0   30641600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.67     515.42    2578.11
  Min Ch El (ft)            565.05    Shear (lb/sq ft)            0.27       0.34       0.14
  Alpha                       1.10    Stream Power (lb/ft s)      0.41       0.59       0.13
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)       27.49       5.08      10.41
  C & E Loss (ft)                     Cum SA (acres)              0.20       0.03       0.15

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 876.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.04    3800  565.04    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.08    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478995.60   88489.09   181452.90
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            478995.60   88489.09   181452.90
  Q Total (cfs)           1010449.00    Flow (cfs)             693195.70   148832.10   168421.30
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.35    Avg. Vel. (ft/s)            1.45       1.68       0.93
  Max Chl Dpth (ft)         195.01    Hydr. Depth (ft)          140.88     176.98      71.16
  Conv. Total (cfs)       183834800.0    Conv. (cfs)            126115700.0   27077580.0   30641510.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.67     515.43    2578.10
  Min Ch El (ft)            565.04    Shear (lb/sq ft)            0.26       0.32       0.13
  Alpha                       1.10    Stream Power (lb/ft s)      0.37       0.54       0.12
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)       21.99       4.06       8.33
  C & E Loss (ft)                     Cum SA (acres)              0.16       0.02       0.12

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 875.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.03    3800  565.03    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1      .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.08    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)            0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478995.60   88491.83   181452.90
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            478995.60   88491.83   181452.90
  Q Total (cfs)           977284.50    Flow (cfs)             670439.70   143952.50   162892.40
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.30    Avg. Vel. (ft/s)            1.40       1.63       0.90
  Max Chl Dpth (ft)         195.02    Hydr. Depth (ft)          140.88     176.98      71.16
  Conv. Total (cfs)       183836000.0    Conv. (cfs)            126115700.0   27078740.0   30641510.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.67     515.43    2578.10
  Min Ch El (ft)            565.03    Shear (lb/sq ft)            0.24       0.30       0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.34       0.49       0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)       16.49       3.05       6.25
  C & E Loss (ft)                     Cum SA (acres)              0.12       0.02       0.09

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: PALUXY
REACH: LOWER PALUXY       RS: 875.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.02    3800  565.02    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.08    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478995.40   88494.55   181452.80
  E.G. Slope (ft/ft)      0.000024    Area (sq ft)            478995.40   88494.55   181452.80
  Q Total (cfs)           904350.20    Flow (cfs)             620401.20   133214.30   150734.70
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            1.21    Avg. Vel. (ft/s)            1.30       1.51       0.83
  Max Chl Dpth (ft)         195.03    Hydr. Depth (ft)          140.88     176.99      71.16
  Conv. Total (cfs)       183837000.0    Conv. (cfs)            126115600.0   27079900.0   30641470.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.67     515.44    2578.10
  Min Ch El (ft)            565.02    Shear (lb/sq ft)            0.21       0.26       0.11
  Alpha                       1.10    Stream Power (lb/ft s)      0.27       0.39       0.09
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)       11.00       2.03       4.17
  C & E Loss (ft)                     Cum SA (acres)              0.08       0.01       0.06


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 874.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.01    3800  565.01    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.06    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50       0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478995.00   88497.24   181452.50
  E.G. Slope (ft/ft)      0.000011    Area (sq ft)            478995.00   88497.24   181452.50
  Q Total (cfs)           600830.60    Flow (cfs)             412178.50   88507.99   100144.10
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00    2550.00
  Vel Total (ft/s)            0.80    Avg. Vel. (ft/s)            0.86       1.00       0.55
  Max Chl Dpth (ft)         195.04    Hydr. Depth (ft)          140.88     176.99      71.16
  Conv. Total (cfs)       183837900.0    Conv. (cfs)            126115400.0   27081040.0   30641390.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.67     515.44    2578.10
  Min Ch El (ft)            565.01    Shear (lb/sq ft)            0.09       0.11       0.05
  Alpha                       1.10    Stream Power (lb/ft s)      0.08       0.11       0.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)        5.50       1.02       2.08
  C & E Loss (ft)                     Cum SA (acres)              0.04       0.01       0.03


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 874

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650     565    3800     565    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                5       5       5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.05    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)
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  Crit W.S. (ft)            565.05    Flow Area (sq ft)       478995.00   88499.99   181452.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            478995.00   88499.99   181452.50
  Q Total (cfs)              10.49    Flow (cfs)                   7.20       1.55       1.75
  Top Width (ft)           6450.00    Top Width (ft)            3400.00     500.00    2550.00
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)             0.00       0.00       0.00
  Max Chl Dpth (ft)         195.05    Hydr. Depth (ft)           140.88     177.00      71.16
  Conv. Total (cfs)       183839000.0    Conv. (cfs)            126115400.0   27082210.0   30641390.0
  Length Wtd. (ft)                    Wetted Per. (ft)          3495.67     515.45    2578.10
  Min Ch El (ft)            565.00    Shear (lb/sq ft)             0.00       0.00       0.00
  Alpha                       1.10    Stream Power (lb/ft s)       0.00       0.00       0.00
  Frctn Loss (ft)                     Cum Volume (acre-ft)
  C & E Loss (ft)                     Cum SA (acres)


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24757

INPUT
Description:
Station Elevation Data    num=      17
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810     250     790     850     720    1000     720    1200     710
    1400     700    1500     703    1875     671    2500     660    2775     660
    2825     650    2825     646    2900     646    3000     660    3125     660
    3600     668    4000     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2775     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2775    3000                 1       1       1             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)             1.00       1.00       1.00
  Crit W.S. (ft)                      Flow Area (sq ft)       153523.10   24587.09   73573.98
  E.G. Slope (ft/ft)      0.000005    Area (sq ft)            153523.10   24587.09   73573.98
  Q Total (cfs)           100438.70    Flow (cfs)              57552.60   12492.34   30393.77
  Top Width (ft)           3426.13    Top Width (ft)           2271.18     225.00     929.95
  Vel Total (ft/s)            0.40    Avg. Vel. (ft/s)            0.37       0.51       0.41
  Max Chl Dpth (ft)         114.39    Hydr. Depth (ft)           67.60     109.28      79.12
  Conv. Total (cfs)       43985390.0    Conv. (cfs)            25204160.0   5470805.0   13310420.0
  Length Wtd. (ft)            1.00    Wetted Per. (ft)         2275.53     230.97     942.71
  Min Ch El (ft)            646.00    Shear (lb/sq ft)            0.02       0.03       0.03
  Alpha                       1.03    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    407041.30   23698.14   160181.70
  C & E Loss (ft)                     Cum SA (acres)           3814.78     157.54    1456.75


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24756.*

INPUT
Description:
Station Elevation Data    num=      17
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810     250     790     850     720    1000     720    1200     710
    1400     700    1500     703    1875     671    2500     660    2775     660
    2825     650    2825   645.9    2900   645.9    3000     660    3125     660
    3600     668    4000     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2775     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2775    3000                 1       1       1             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)             1.00       1.00       1.00
  Crit W.S. (ft)                      Flow Area (sq ft)       153523.10   24599.59   73573.98
  E.G. Slope (ft/ft)      0.000005    Area (sq ft)            153523.10   24599.59   73573.98
  Q Total (cfs)           100438.70    Flow (cfs)              57548.88   12498.01   30391.80
  Top Width (ft)           3426.13    Top Width (ft)           2271.18     225.00     929.95
  Vel Total (ft/s)            0.40    Avg. Vel. (ft/s)            0.37       0.51       0.41
  Max Chl Dpth (ft)         114.49    Hydr. Depth (ft)           67.60     109.33      79.12
  Conv. Total (cfs)       43988230.0    Conv. (cfs)            25204160.0   5473642.0   13310420.0
  Length Wtd. (ft)            1.00    Wetted Per. (ft)         2275.53     231.08     942.71
  Min Ch El (ft)            645.90    Shear (lb/sq ft)            0.02       0.03       0.03
  Alpha                       1.03    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    407037.80   23697.58   160180.00
  C & E Loss (ft)                     Cum SA (acres)           3814.73     157.53    1456.73


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24755.*

INPUT
Description:
Station Elevation Data    num=      17
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810     250     790     850     720    1000     720    1200     710
    1400     700    1500     703    1875     671    2500     660    2775     660
    2825     650    2825   645.8    2900   645.8    3000     660    3125     660
    3600     668    4000     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2775     .15    3000     .15
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```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2775    3000                1       1       1             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)             1.00       1.00       1.00
  Crit W.S. (ft)                      Flow Area (sq ft)       153523.10   24612.10   73573.98
  E.G. Slope (ft/ft)      0.000005    Area (sq ft)            153523.10   24612.10   73573.98
  Q Total (cfs)           100438.70    Flow (cfs)              57545.17   12503.68   30389.85
  Top Width (ft)           3426.13    Top Width (ft)           2271.18     225.00     929.95
  Vel Total (ft/s)            0.40    Avg. Vel. (ft/s)            0.37       0.51       0.41
  Max Chl Dpth (ft)         114.59    Hydr. Depth (ft)           67.60     109.39      79.12
  Conv. Total (cfs)       43991060.0    Conv. (cfs)             25204160.0   5476477.0   13310420.0
  Length Wtd. (ft)            1.00    Wetted Per. (ft)         2275.53     231.19     942.71
  Min Ch El (ft)            645.80    Shear (lb/sq ft)            0.02       0.03       0.03
  Alpha                       1.03    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    407034.20   23697.02   160178.30
  C & E Loss (ft)                     Cum SA (acres)           3814.68     157.53    1456.70


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24754.*

INPUT
Description:
Station Elevation Data    num=      17
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810     250     790     850     720    1000     720    1200     710
    1400     700    1500     703    1875     671    2500     660    2775     660
    2825     650    2825   645.7    2900   645.7    3000     660    3125     660
    3600     668    4000     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2775     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2775    3000                1       1       1             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)             1.00       1.00       1.00
  Crit W.S. (ft)                      Flow Area (sq ft)       153523.10   24624.59   73573.98
  E.G. Slope (ft/ft)      0.000005    Area (sq ft)            153523.10   24624.59   73573.98
  Q Total (cfs)           100438.70    Flow (cfs)              57541.47   12509.34   30387.89
  Top Width (ft)           3426.13    Top Width (ft)           2271.18     225.00     929.95
  Vel Total (ft/s)            0.40    Avg. Vel. (ft/s)            0.37       0.51       0.41
  Max Chl Dpth (ft)         114.69    Hydr. Depth (ft)           67.60     109.44      79.12
  Conv. Total (cfs)       43993900.0    Conv. (cfs)             25204160.0   5479310.0   13310420.0
  Length Wtd. (ft)            1.00    Wetted Per. (ft)         2275.53     231.31     942.71
  Min Ch El (ft)            645.70    Shear (lb/sq ft)            0.02       0.03       0.03
  Alpha                       1.03    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    407030.70   23696.45   160176.70
  C & E Loss (ft)                     Cum SA (acres)           3814.63     157.52    1456.68


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24753.*

INPUT
Description:
Station Elevation Data    num=      17
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810     250     790     850     720    1000     720    1200     710
    1400     700    1500     703    1875     671    2500     660    2775     660
    2825     650    2825   645.6    2900   645.6    3000     660    3125     660
    3600     668    4000     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2775     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2775    3000                1       1       1             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)             1.00       1.00       1.00
  Crit W.S. (ft)                      Flow Area (sq ft)       153523.10   24637.10   73573.98
  E.G. Slope (ft/ft)      0.000005    Area (sq ft)            153523.10   24637.10   73573.98
  Q Total (cfs)           100438.60    Flow (cfs)              57537.71   12515.00   30385.90
  Top Width (ft)           3426.13    Top Width (ft)           2271.18     225.00     929.95
  Vel Total (ft/s)            0.40    Avg. Vel. (ft/s)            0.37       0.51       0.41
  Max Chl Dpth (ft)         114.79    Hydr. Depth (ft)           67.60     109.50      79.12
  Conv. Total (cfs)       43996730.0    Conv. (cfs)             25204160.0   5482144.0   13310420.0
  Length Wtd. (ft)            1.00    Wetted Per. (ft)         2275.53     231.42     942.71
  Min Ch El (ft)            645.60    Shear (lb/sq ft)            0.02       0.03       0.03
  Alpha                       1.03    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    407027.20   23695.88   160175.00
  C & E Loss (ft)                     Cum SA (acres)           3814.57     157.52    1456.66


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24752.*

INPUT
Description:
Station Elevation Data    num=      17
```

```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810     250     790     850     720    1000     720    1200     710
    1400     700    1500     703    1875     671    2500     660    2775     660
    2825     650    2825   645.5    2900   645.5    3000     660    3125     660
    3600     668    4000     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2775     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2775    3000                1       1       1             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)             1.00       1.00       1.00
  Crit W.S. (ft)                      Flow Area (sq ft)       153523.10   24649.59   73573.98
  E.G. Slope (ft/ft)      0.000005    Area (sq ft)            153523.10   24649.59   73573.98
  Q Total (cfs)           100438.60    Flow (cfs)              57534.00   12520.65   30383.95
  Top Width (ft)           3426.13    Top Width (ft)           2271.18     225.00     929.95
  Vel Total (ft/s)            0.40    Avg. Vel. (ft/s)            0.37       0.51       0.41
  Max Chl Dpth (ft)         114.89    Hydr. Depth (ft)           67.60     109.55      79.12
  Conv. Total (cfs)       43999560.0    Conv. (cfs)             25204160.0   5484974.0   13310420.0
  Length Wtd. (ft)            1.00    Wetted Per. (ft)         2275.53     231.54     942.71
  Min Ch El (ft)            645.50    Shear (lb/sq ft)            0.02       0.03       0.03
  Alpha                       1.03    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    407023.60   23695.32   160173.30
  C & E Loss (ft)                     Cum SA (acres)           3814.52     157.51    1456.64


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24751.*

INPUT
Description:
Station Elevation Data    num=      17
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810     250     790     850     720    1000     720    1200     710
    1400     700    1500     703    1875     671    2500     660    2775     660
    2825     650    2825   645.4    2900   645.4    3000     660    3125     660
    3600     668    4000     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2775     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2775    3000                1       1       1             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)             1.00       1.00       1.00
  Crit W.S. (ft)                      Flow Area (sq ft)       153523.10   24662.09   73573.98
  E.G. Slope (ft/ft)      0.000005    Area (sq ft)            153523.10   24662.09   73573.98
  Q Total (cfs)           100438.60    Flow (cfs)              57530.30   12526.30   30381.99
  Top Width (ft)           3426.13    Top Width (ft)           2271.18     225.00     929.95
  Vel Total (ft/s)            0.40    Avg. Vel. (ft/s)            0.37       0.51       0.41
  Max Chl Dpth (ft)         114.99    Hydr. Depth (ft)           67.60     109.61      79.12
  Conv. Total (cfs)       44002390.0    Conv. (cfs)             25204160.0   5487802.0   13310420.0
  Length Wtd. (ft)            1.00    Wetted Per. (ft)         2275.53     231.65     942.71
  Min Ch El (ft)            645.40    Shear (lb/sq ft)            0.02       0.03       0.03
  Alpha                       1.03    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    407020.10   23694.75   160171.60
  C & E Loss (ft)                     Cum SA (acres)           3814.47     157.51    1456.62


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24750.*

INPUT
Description:
Station Elevation Data    num=      17
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810     250     790     850     720    1000     720    1200     710
    1400     700    1500     703    1875     671    2500     660    2775     660
    2825     650    2825   645.3    2900   645.3    3000     660    3125     660
    3600     668    4000     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2775     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2775    3000                1       1       1             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)             1.00       1.00       1.00
  Crit W.S. (ft)                      Flow Area (sq ft)       153523.10   24674.60   73573.98
  E.G. Slope (ft/ft)      0.000005    Area (sq ft)            153523.10   24674.60   73573.98
  Q Total (cfs)           100438.60    Flow (cfs)              57526.61   12531.95   30380.04
  Top Width (ft)           3426.13    Top Width (ft)           2271.18     225.00     929.95
  Vel Total (ft/s)            0.40    Avg. Vel. (ft/s)            0.37       0.51       0.41
  Max Chl Dpth (ft)         115.09    Hydr. Depth (ft)           67.60     109.66      79.12
  Conv. Total (cfs)       44005220.0    Conv. (cfs)             25204160.0   5490631.0   13310420.0
  Length Wtd. (ft)            1.00    Wetted Per. (ft)         2275.53     231.76     942.71
  Min Ch El (ft)            645.30    Shear (lb/sq ft)            0.02       0.03       0.03
  Alpha                       1.03    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    407016.60   23694.19   160169.90
  C & E Loss (ft)                     Cum SA (acres)           3814.42     157.50    1456.60
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CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 24749.*

INPUT
Description:
Station Elevation Data     num=      17
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810     250     790     850     720    1000     720    1200     710
    1400     700    1500     703    1875     671    2500     660    2775     660
    2825     650    2825   645.2    2900   645.2    3000     660    3125     660
    3600     668    4000     780

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2775     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2775    3000                1       1       1             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)             1.00       1.00       1.00
  Crit W.S. (ft)                      Flow Area (sq ft)       153523.10   24687.09   73573.98
  E.G. Slope (ft/ft)      0.000005    Area (sq ft)            153523.10   24687.09   73573.98
  Q Total (cfs)           100438.60    Flow (cfs)              57522.91   12537.59   30378.09
  Top Width (ft)           3426.13    Top Width (ft)           2271.18     225.00     929.95
  Vel Total (ft/s)            0.40    Avg. Vel. (ft/s)            0.37       0.51       0.41
  Max Chl Dpth (ft)         115.19    Hydr. Depth (ft)           67.60     109.72      79.12
  Conv. Total (cfs)       44008040.0    Conv. (cfs)             25204160.0   5493456.0   13310420.0
  Length Wtd. (ft)            1.00    Wetted Per. (ft)         2275.53     231.88     942.71
  Min Ch El (ft)            645.20    Shear (lb/sq ft)            0.02       0.03       0.03
  Alpha                       1.03    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    407013.00   23693.62   160168.20
  C & E Loss (ft)                     Cum SA (acres)           3814.37     157.50    1456.58


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 24748.*

INPUT
Description:
Station Elevation Data     num=      17
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810     250     790     850     720    1000     720    1200     710
    1400     700    1500     703    1875     671    2500     660    2775     660
    2825     650    2825   645.1    2900   645.1    3000     660    3125     660
    3600     668    4000     780

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2775     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2775    3000                1       1       1             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)             1.00       1.00       1.00
  Crit W.S. (ft)                      Flow Area (sq ft)       153523.10   24699.60   73573.98
  E.G. Slope (ft/ft)      0.000005    Area (sq ft)            153523.10   24699.60   73573.98
  Q Total (cfs)           100438.60    Flow (cfs)              57519.22   12543.24   30376.14
  Top Width (ft)           3426.13    Top Width (ft)           2271.18     225.00     929.95
  Vel Total (ft/s)            0.40    Avg. Vel. (ft/s)            0.37       0.51       0.41
  Max Chl Dpth (ft)         115.29    Hydr. Depth (ft)           67.60     109.78      79.12
  Conv. Total (cfs)       44010870.0    Conv. (cfs)             25204160.0   5496282.0   13310420.0
  Length Wtd. (ft)            1.00    Wetted Per. (ft)         2275.53     231.99     942.71
  Min Ch El (ft)            645.10    Shear (lb/sq ft)            0.02       0.03       0.03
  Alpha                       1.03    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    407009.50   23693.05   160166.50
  C & E Loss (ft)                     Cum SA (acres)           3814.31     157.49    1456.55


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 24747

INPUT
Description:
Station Elevation Data     num=      17
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810     250     790     850     720    1000     720    1200     710
    1400     700    1500     703    1875     671    2500     660    2775     660
    2825     650    2825     645    2900     645    3000     660    3125     660
    3600     668    4000     780

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2775     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2775    3000               24.5    24.5    24.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)            24.50      24.50      24.50
  Crit W.S. (ft)                      Flow Area (sq ft)       153523.10   24712.09   73573.98
  E.G. Slope (ft/ft)      0.000005    Area (sq ft)            153523.10   24712.09   73573.98
  Q Total (cfs)           100438.60    Flow (cfs)              57515.54   12548.88   30374.19
  Top Width (ft)           3426.13    Top Width (ft)           2271.18     225.00     929.95
  Vel Total (ft/s)            0.40    Avg. Vel. (ft/s)            0.37       0.51       0.41
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```
  Max Chl Dpth (ft)          115.39    Hydr. Depth (ft)           67.60     109.83      79.12
  Conv. Total (cfs)        44013690.0    Conv. (cfs)             25204160.0   5499104.0   13310420.0
  Length Wtd. (ft)            24.50    Wetted Per. (ft)         2275.53     232.11     942.71
  Min Ch El (ft)             645.00    Shear (lb/sq ft)            0.02       0.03       0.03
  Alpha                        1.03    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    407006.00   23692.49   160164.80
  C & E Loss (ft)                      Cum SA (acres)           3814.26     157.49    1456.53


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24722.5*

INPUT
Description:
Station Elevation Data    num=      17
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810     250     790     850     720    1000     720    1200     710
    1400     700    1500     703    1875     671    2500     660    2775     660
    2825     650    2825  644.83    2900  644.83    3000     660    3125     660
    3600     668    4000     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2775     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2775    3000             24.5    24.5    24.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)             760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             760.39    Reach Len. (ft)            24.50      24.50      24.50
  Crit W.S. (ft)                       Flow Area (sq ft)       153523.00   24733.33   73573.93
  E.G. Slope (ft/ft)       0.000005    Area (sq ft)            153523.00   24733.33   73573.93
  Q Total (cfs)            100438.20    Flow (cfs)              57509.03   12558.40   30370.77
  Top Width (ft)            3426.13    Top Width (ft)           2271.18     225.00     929.95
  Vel Total (ft/s)             0.40    Avg. Vel. (ft/s)            0.37       0.51       0.41
  Max Chl Dpth (ft)          115.56    Hydr. Depth (ft)           67.60     109.93      79.12
  Conv. Total (cfs)        44018430.0    Conv. (cfs)             25204130.0   5503894.0   13310410.0
  Length Wtd. (ft)            24.50    Wetted Per. (ft)         2275.53     232.30     942.71
  Min Ch El (ft)             644.83    Shear (lb/sq ft)            0.02       0.03       0.03
  Alpha                        1.03    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    406919.60   23678.58   160123.50
  C & E Loss (ft)                      Cum SA (acres)           3812.98     157.36    1456.01


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24698.*

INPUT
Description:
Station Elevation Data    num=      17
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810     250     790     850     720    1000     720    1200     710
    1400     700    1500     703    1875     671    2500     660    2775     660
    2825     650    2825  644.67    2900  644.67    3000     660    3125     660
    3600     668    4000     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2775     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2775    3000             24.5    24.5    24.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)             760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             760.39    Reach Len. (ft)            24.50      24.50      24.50
  Crit W.S. (ft)                       Flow Area (sq ft)       153522.40   24753.28   73573.71
  E.G. Slope (ft/ft)       0.000005    Area (sq ft)            153522.40   24753.28   73573.71
  Q Total (cfs)            100437.80    Flow (cfs)              57502.88   12567.37   30367.55
  Top Width (ft)            3426.13    Top Width (ft)           2271.17     225.00     929.95
  Vel Total (ft/s)             0.40    Avg. Vel. (ft/s)            0.37       0.51       0.41
  Max Chl Dpth (ft)          115.72    Hydr. Depth (ft)           67.60     110.01      79.12
  Conv. Total (cfs)        44022720.0    Conv. (cfs)             25203990.0   5508384.0   13310350.0
  Length Wtd. (ft)            24.50    Wetted Per. (ft)         2275.53     232.49     942.71
  Min Ch El (ft)             644.67    Shear (lb/sq ft)            0.02       0.03       0.03
  Alpha                        1.03    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    406833.30   23664.67   160082.10
  C & E Loss (ft)                      Cum SA (acres)           3811.71     157.24    1455.49


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24673.5*

INPUT
Description:
Station Elevation Data    num=      17
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810     250     790     850     720    1000     720    1200     710
    1400     700    1500     703    1875     671    2500     660    2775     660
    2825     650    2825   644.5    2900   644.5    3000     660    3125     660
    3600     668    4000     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2775     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2775    3000             24.5    24.5    24.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
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```
  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)            24.50      24.50      24.50
  Crit W.S. (ft)                      Flow Area (sq ft)       153522.30   24774.51   73573.65
  E.G. Slope (ft/ft)      0.000005    Area (sq ft)            153522.30   24774.51   73573.65
  Q Total (cfs)           100437.50    Flow (cfs)              57496.46   12576.89   30364.16
  Top Width (ft)           3426.13    Top Width (ft)           2271.17     225.00     929.95
  Vel Total (ft/s)            0.40    Avg. Vel. (ft/s)            0.37       0.51       0.41
  Max Chl Dpth (ft)         115.89    Hydr. Depth (ft)           67.60     110.11      79.12
  Conv. Total (cfs)       44027460.0    Conv. (cfs)            25203960.0   5513165.0   13310330.0
  Length Wtd. (ft)           24.50    Wetted Per. (ft)         2275.52     232.68     942.71
  Min Ch El (ft)            644.50    Shear (lb/sq ft)            0.02       0.03       0.03
  Alpha                       1.03    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    406746.90   23650.74   160040.70
  C & E Loss (ft)                     Cum SA (acres)           3810.43     157.11    1454.96


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24649.*

INPUT
Description:
Station Elevation Data    num=      17
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810     250     790     850     720    1000     720    1200     710
    1400     700    1500     703    1875     671    2500     660    2775     660
    2825     650    2825  644.33    2900  644.33    3000     660    3125     660
    3600     668    4000     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2775     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2775    3000             24.5    24.5    24.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)            24.50      24.50      24.50
  Crit W.S. (ft)                      Flow Area (sq ft)       153522.00   24795.73   73573.53
  E.G. Slope (ft/ft)      0.000005    Area (sq ft)            153522.00   24795.73   73573.53
  Q Total (cfs)           100437.10    Flow (cfs)              57489.97   12586.39   30360.74
  Top Width (ft)           3426.12    Top Width (ft)           2271.17     225.00     929.95
  Vel Total (ft/s)            0.40    Avg. Vel. (ft/s)            0.37       0.51       0.41
  Max Chl Dpth (ft)         116.06    Hydr. Depth (ft)           67.60     110.20      79.12
  Conv. Total (cfs)       44032130.0    Conv. (cfs)            25203890.0   5517937.0   13310300.0
  Length Wtd. (ft)           24.50    Wetted Per. (ft)         2275.52     232.88     942.71
  Min Ch El (ft)            644.33    Shear (lb/sq ft)            0.02       0.03       0.03
  Alpha                       1.03    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    406660.60   23636.80   159999.30
  C & E Loss (ft)                     Cum SA (acres)           3809.15     156.98    1454.44


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24624.5*

INPUT
Description:
Station Elevation Data    num=      17
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810     250     790     850     720    1000     720    1200     710
    1400     700    1500     703    1875     671    2500     660    2775     660
    2825     650    2825  644.17    2900  644.17    3000     660    3125     660
    3600     668    4000     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2775     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2775    3000             24.5    24.5    24.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)            24.50      24.50      24.50
  Crit W.S. (ft)                      Flow Area (sq ft)       153521.80   24815.71   73573.42
  E.G. Slope (ft/ft)      0.000005    Area (sq ft)            153521.80   24815.71   73573.42
  Q Total (cfs)           100436.70    Flow (cfs)              57483.85   12595.32   30357.53
  Top Width (ft)           3426.12    Top Width (ft)           2271.17     225.00     929.95
  Vel Total (ft/s)            0.40    Avg. Vel. (ft/s)            0.37       0.51       0.41
  Max Chl Dpth (ft)         116.22    Hydr. Depth (ft)           67.60     110.29      79.12
  Conv. Total (cfs)       44036520.0    Conv. (cfs)            25203820.0   5522425.0   13310280.0
  Length Wtd. (ft)           24.50    Wetted Per. (ft)         2275.52     233.07     942.71
  Min Ch El (ft)            644.17    Shear (lb/sq ft)            0.02       0.03       0.03
  Alpha                       1.03    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    406574.30   23622.85   159958.00
  C & E Loss (ft)                     Cum SA (acres)           3807.87     156.86    1453.92


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24600

INPUT
Description:
Station Elevation Data    num=      17
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810     250     790     850     720    1000     720    1200     710
    1400     700    1500     703    1875     671    2500     660    2775     660
    2825     650    2825     644    2900     644    3000     660    3125     660
    3600     668    4000     780
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2775     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2775    3000            23.77   23.77   23.77             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)            23.77      23.77      23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       153521.60   24836.94   73573.36
  E.G. Slope (ft/ft)      0.000005    Area (sq ft)            153521.60   24836.94   73573.36
  Q Total (cfs)           100436.40    Flow (cfs)              57477.44   12604.81   30354.15
  Top Width (ft)           3426.12    Top Width (ft)           2271.17     225.00     929.95
  Vel Total (ft/s)            0.40    Avg. Vel. (ft/s)            0.37       0.51       0.41
  Max Chl Dpth (ft)         116.39    Hydr. Depth (ft)           67.60     110.39      79.12
  Conv. Total (cfs)       44041240.0    Conv. (cfs)             25203790.0   5527194.0   13310260.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2275.52     233.26     942.71
  Min Ch El (ft)            644.00    Shear (lb/sq ft)            0.02       0.03       0.03
  Alpha                       1.03    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    406487.90   23608.88   159916.60
  C & E Loss (ft)                     Cum SA (acres)           3806.60     156.73    1453.40


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24576.2*

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810   50.42  806.27  249.83  790.67  403.36  773.45  806.71  725.37
  849.41  720.51  999.31  719.59 1008.39  719.12 1008.39  718.73 1184.86  710.58
 1199.17   710.1 1210.07  709.73 1260.49   707.4 1399.03   701.6 1498.96   704.8
 1563.01  700.03  1815.1  680.16  1815.1  679.77 1865.52  675.34  1873.7  674.66
 2268.88  666.81 2470.56  660.84 2498.27  660.32 2647.03     660 2773.08     660
 2823.08  649.46 2823.08  643.92    2900  643.92    3000     660 3128.85  660.18
  3552.2  667.15 3618.46  669.54 4030.77  781.54

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2773.08     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2773.08    3000            23.77   23.77   23.77             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)            23.77      23.77      23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       150106.80   25084.01   75159.88
  E.G. Slope (ft/ft)      0.000005    Area (sq ft)            150106.80   25084.01   75159.88
  Q Total (cfs)           100436.00    Flow (cfs)              56194.24   12908.82   31332.94
  Top Width (ft)           3439.94    Top Width (ft)           2260.13     226.92     952.90
  Vel Total (ft/s)            0.40    Avg. Vel. (ft/s)            0.37       0.51       0.42
  Max Chl Dpth (ft)         116.47    Hydr. Depth (ft)           66.42     110.54      78.88
  Conv. Total (cfs)       43522720.0    Conv. (cfs)             24351090.0   5593882.0   13577750.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2265.06     234.84     965.12
  Min Ch El (ft)            643.92    Shear (lb/sq ft)            0.02       0.04       0.03
  Alpha                       1.04    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    406405.10   23595.26   159876.00
  C & E Loss (ft)                     Cum SA (acres)           3805.36     156.61    1452.88


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24552.4*

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810   50.38  806.58  249.65  791.34  403.08  774.83  806.15  725.76
  848.82  721.02  998.61  719.19 1007.69  718.69 1007.69  717.92 1184.04  710.45
 1198.34   710.2 1209.23     710 1259.62  707.87 1398.06   703.2 1497.92   706.6
 1561.92  702.53 1813.85  684.31 1813.85  683.54 1864.23  678.98  1872.4  678.33
 2267.31  669.57 2468.85  661.18 2496.53  660.65 2645.19     660 2771.15     660
 2821.15  648.92 2821.15  643.85    2900  643.85    3000     660 3132.69  660.36
 3568.68  667.39 3636.92  671.08 4061.54  783.08

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2771.15     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2771.15    3000            23.77   23.77   23.77             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)            23.77      23.77      23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       146704.30   25331.28   76712.96
  E.G. Slope (ft/ft)      0.000005    Area (sq ft)            146704.30   25331.28   76712.96
  Q Total (cfs)           100435.60    Flow (cfs)              54899.32   13219.67   32316.61
  Top Width (ft)           3453.78    Top Width (ft)           2249.42     228.85     975.50
  Vel Total (ft/s)            0.40    Avg. Vel. (ft/s)            0.37       0.52       0.42
  Max Chl Dpth (ft)         116.54    Hydr. Depth (ft)           65.22     110.69      78.64
  Conv. Total (cfs)       43006340.0    Conv. (cfs)             23507790.0   5660639.0   13837910.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2254.99     236.43     987.24
  Min Ch El (ft)            643.85    Shear (lb/sq ft)            0.02       0.04       0.03
  Alpha                       1.04    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    406324.10   23581.51   159834.60
  C & E Loss (ft)                     Cum SA (acres)           3804.13     156.48    1452.36
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CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 24528.6*

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810   50.35   806.9  249.48  792.01   402.8  776.21  805.59  726.14
  848.23  721.53  997.92  718.78 1006.99  718.27 1006.99  717.11 1183.22  710.32
 1197.51  710.29 1208.39  710.27 1258.74  708.33 1397.09   704.8 1496.88   708.4
 1560.84  705.02 1812.59  688.46 1812.59  687.31 1862.94  682.61  1871.1  681.99
 2265.73  672.34 2467.13  661.53  2494.8  660.97 2643.36     660 2769.23     660
 2819.23  648.38 2819.23  643.77    2900  643.77    3000     660 3136.54  660.54
 3585.16  667.63 3655.38  672.62 4092.31  784.62

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2769.23     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2769.23    3000            23.77   23.77   23.77             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)            23.77      23.77      23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       143322.10   25578.96   78235.52
  E.G. Slope (ft/ft)      0.000006    Area (sq ft)            143322.10   25578.96   78235.52
  Q Total (cfs)           100435.30    Flow (cfs)              53593.32   13536.77   33305.20
  Top Width (ft)           3467.67    Top Width (ft)           2239.13     230.77     997.77
  Vel Total (ft/s)            0.41    Avg. Vel. (ft/s)            0.37       0.53       0.43
  Max Chl Dpth (ft)         116.62    Hydr. Depth (ft)           64.01     110.84      78.41
  Conv. Total (cfs)       42494860.0    Conv. (cfs)             22675700.0   5727500.0   14091660.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2245.42     238.02    1009.07
  Min Ch El (ft)            643.77    Shear (lb/sq ft)            0.02       0.04       0.03
  Alpha                       1.04    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    406245.00   23567.62   159792.30
  C & E Loss (ft)                     Cum SA (acres)           3802.91     156.36    1451.82


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 24504.9*

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810   50.31  807.21  249.31  792.68  402.52  777.59  805.03  726.53
  847.64  722.03  997.23  718.38 1006.29  717.84 1006.29   716.3  1182.4  710.19
 1196.67  710.39 1207.55  710.55 1257.87   708.8 1396.12   706.4 1495.84   710.2
 1559.76  707.52 1811.33  692.62 1811.33  691.08 1861.64  686.25  1869.8  685.65
 2264.16   675.1 2465.42  661.88 2493.07   661.3 2641.52     660 2767.31     660
 2817.31  647.85 2817.31  643.69    2900  643.69    3000     660 3140.38  660.72
 3601.65  667.87 3673.85  674.15 4123.08  786.15

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2767.31     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2767.31    3000            23.77   23.77   23.77             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)            23.77      23.77      23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       139948.90   25826.66   79732.30
  E.G. Slope (ft/ft)      0.000006    Area (sq ft)            139948.90   25826.66   79732.30
  Q Total (cfs)           100434.90    Flow (cfs)              52272.75   13860.03   34302.12
  Top Width (ft)           3481.60    Top Width (ft)           2229.17     232.69    1019.74
  Vel Total (ft/s)            0.41    Avg. Vel. (ft/s)            0.37       0.54       0.43
  Max Chl Dpth (ft)         116.70    Hydr. Depth (ft)           62.78     110.99      78.19
  Conv. Total (cfs)       41987030.0    Conv. (cfs)             21852740.0   5794216.0   14340080.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2236.25     239.63    1030.66
  Min Ch El (ft)            643.69    Shear (lb/sq ft)            0.02       0.04       0.03
  Alpha                       1.05    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    406167.70   23553.59   159749.20
  C & E Loss (ft)                     Cum SA (acres)           3801.69     156.23    1451.27


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 24481.1*

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810   50.28  807.52  249.13  793.35  402.24  778.97  804.48  726.91
  847.05  722.54  996.53  717.97 1005.59  717.41 1005.59  715.49 1181.57  710.06
 1195.84  710.49 1206.71  710.82 1256.99  709.27 1395.15  707.99  1494.8     712
 1558.67  710.02 1810.07  696.77 1810.07  694.85 1860.35  689.89  1868.5  689.31
 2262.59  677.87 2463.71  662.22 2491.34  661.62 2639.69     660 2765.38     660
 2815.38  647.31 2815.38  643.62    2900  643.62    3000     660 3144.23   660.9
 3618.13   668.1 3692.31  675.69 4153.85  787.69

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2765.38     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2765.38    3000            23.77   23.77   23.77             .1       .3
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CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)            23.77      23.77      23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       136591.40   26074.79   81198.31
  E.G. Slope (ft/ft)      0.000006    Area (sq ft)            136591.40   26074.79   81198.31
  Q Total (cfs)           100434.50    Flow (cfs)              50940.25   14190.00   35304.25
  Top Width (ft)           3495.50    Top Width (ft)           2219.55     234.62    1041.33
  Vel Total (ft/s)            0.41    Avg. Vel. (ft/s)            0.37       0.54       0.43
  Max Chl Dpth (ft)         116.77    Hydr. Depth (ft)           61.54     111.14      77.98
  Conv. Total (cfs)       41484620.0    Conv. (cfs)             21040940.0   5861202.0   14582470.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2227.50     241.23    1051.91
  Min Ch El (ft)            643.62    Shear (lb/sq ft)            0.02       0.04       0.03
  Alpha                       1.05    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    406092.30   23539.43   159705.30
  C & E Loss (ft)                     Cum SA (acres)           3800.47     156.10    1450.70


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24457.3*

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810   50.24  807.83  248.96  794.02  401.96  780.35  803.92   727.3
  846.47  723.05  995.84  717.56  1004.9  716.99  1004.9  714.68 1180.75  709.92
 1195.01  710.59 1205.87  711.09 1256.12  709.73 1394.18  709.59 1493.76   713.8
 1557.59  712.52 1808.81  700.93 1808.81  698.62 1859.06  693.53  1867.2  692.98
 2261.01  680.64 2461.99  662.57  2489.6  661.95 2637.85     660 2763.46     660
 2813.46  646.77 2813.46  643.54    2900  643.54    3000     660 3148.08  661.08
 3634.62  668.34 3710.77  677.23 4184.62  789.23

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2763.46     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2763.46    3000             23.77   23.77   23.77              .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)            23.77      23.77      23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       133241.30   26323.35   82633.32
  E.G. Slope (ft/ft)      0.000006    Area (sq ft)            133241.30   26323.35   82633.32
  Q Total (cfs)           100434.10    Flow (cfs)              49594.43   14527.23   36312.44
  Top Width (ft)           3509.35    Top Width (ft)           2210.23     236.54    1062.58
  Vel Total (ft/s)            0.41    Avg. Vel. (ft/s)            0.37       0.55       0.44
  Max Chl Dpth (ft)         116.85    Hydr. Depth (ft)           60.28     111.29      77.77
  Conv. Total (cfs)       40985310.0    Conv. (cfs)             20238580.0   5928296.0   14818440.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2219.13     242.84    1072.85
  Min Ch El (ft)            643.54    Shear (lb/sq ft)            0.02       0.04       0.03
  Alpha                       1.06    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    406018.60   23525.13   159660.60
  C & E Loss (ft)                     Cum SA (acres)           3799.26     155.97    1450.13


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24433.6*

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810   50.21  808.14  248.79  794.68  401.68  781.73  803.36  727.69
  845.88  723.56  995.15  717.16  1004.2  716.56  1004.2  713.87 1179.93  709.79
 1194.18  710.68 1205.03  711.36 1255.24   710.2 1393.21  711.19 1492.72   715.6
  1556.5  715.01 1807.55  705.08 1807.55  702.39 1857.76  697.17  1865.9  696.64
 2259.44   683.4 2460.28  662.92 2487.87  662.27 2636.01     660 2761.54     660
 2811.54  646.23 2811.54  643.46    2900  643.46    3000     660 3151.92  661.26
  3651.1  668.58 3729.23  678.77 4215.38  790.77

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2761.54     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2761.54    3000             23.77   23.77   23.77              .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)            23.77      23.77      23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       129909.30   26572.20   84040.18
  E.G. Slope (ft/ft)      0.000006    Area (sq ft)            129909.30   26572.20   84040.18
  Q Total (cfs)           100433.80    Flow (cfs)              48238.37   14870.28   37325.15
  Top Width (ft)           3523.15    Top Width (ft)           2201.20     238.46    1083.49
  Vel Total (ft/s)            0.42    Avg. Vel. (ft/s)            0.37       0.56       0.44
  Max Chl Dpth (ft)         116.93    Hydr. Depth (ft)           59.02     111.43      77.56
  Conv. Total (cfs)       40493360.0    Conv. (cfs)             19448970.0   5995466.0   15048930.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2211.12     244.45    1093.49
  Min Ch El (ft)            643.46    Shear (lb/sq ft)            0.02       0.04       0.03
  Alpha                       1.07    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    405946.80   23510.70   159615.10
  C & E Loss (ft)                     Cum SA (acres)           3798.06     155.84    1449.54


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24409.8*

INPUT
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Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810   50.17  808.45  248.61  795.35   401.4  783.11   802.8  728.07
  845.29  724.07  994.46  716.75  1003.5  716.13  1003.5  713.06 1179.11  709.66
 1193.35  710.78  1204.2  711.64 1254.37  710.67 1392.24  712.79 1491.68   717.4
 1555.42  717.51 1806.29  709.23 1806.29  706.16 1856.47  700.81  1864.6   700.3
 2257.87  686.17 2458.57  663.26 2486.14  662.59 2634.18     660 2759.62     660
 2809.62  645.69 2809.62  643.38    2900  643.38    3000     660 3155.77  661.44
 3667.58  668.81 3747.69  680.31 4246.15  792.31

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2759.62     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2759.62    3000             23.77   23.77   23.77             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            23.77      23.77      23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       126588.00   26821.37   85423.58
  E.G. Slope (ft/ft)      0.000006    Area (sq ft)            126588.00   26821.37   85423.58
  Q Total (cfs)           100433.40    Flow (cfs)              46868.37   15219.37   38345.66
  Top Width (ft)           3536.94    Top Width (ft)           2192.49     240.38    1104.07
  Vel Total (ft/s)            0.42    Avg. Vel. (ft/s)            0.37       0.57       0.45
  Max Chl Dpth (ft)         117.00    Hydr. Depth (ft)           57.74     111.58      77.37
  Conv. Total (cfs)       40008190.0    Conv. (cfs)            18670270.0   6062720.0   15275200.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2203.49     246.07    1113.83
  Min Ch El (ft)            643.38    Shear (lb/sq ft)            0.02       0.04       0.03
  Alpha                       1.07    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    405876.80   23496.13   159568.90
  C & E Loss (ft)                     Cum SA (acres)           3796.86     155.71    1448.95


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24386.0*

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810   50.14  808.76  248.44  796.02  401.12  784.48  802.24  728.46
   844.7  724.58  993.76  716.35  1002.8  715.71  1002.8  712.24 1178.29  709.53
 1192.52  710.88 1203.36  711.91  1253.5  711.13 1391.27  714.39 1490.64   719.2
 1554.34  720.01 1805.03  713.39 1805.03  709.92 1855.17  704.45 1863.31  703.96
 2256.29  688.94 2456.85  663.61 2484.41  662.92 2632.34     660 2757.69     660
 2807.69  645.15 2807.69  643.31    2900  643.31    3000     660 3159.62  661.62
 3684.07  669.05 3766.15  681.85 4276.92  793.85

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2757.69     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2757.69    3000             23.77   23.77   23.77             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            23.77      23.77      23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       123274.60   27070.66   86778.25
  E.G. Slope (ft/ft)      0.000006    Area (sq ft)            123274.60   27070.66   86778.25
  Q Total (cfs)           100433.00    Flow (cfs)              45486.01   15575.15   39371.84
  Top Width (ft)           3550.66    Top Width (ft)           2184.04     242.31    1124.30
  Vel Total (ft/s)            0.42    Avg. Vel. (ft/s)            0.37       0.58       0.45
  Max Chl Dpth (ft)         117.07    Hydr. Depth (ft)           56.44     111.72      77.18
  Conv. Total (cfs)       39528010.0    Conv. (cfs)            17902200.0   6130003.0   15495810.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2196.24     247.69    1133.87
  Min Ch El (ft)            643.31    Shear (lb/sq ft)            0.02       0.03       0.03
  Alpha                       1.08    Stream Power (lb/ft s)      0.01       0.03       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    405808.70   23481.43   159521.90
  C & E Loss (ft)                     Cum SA (acres)           3795.67     155.58    1448.34


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24362.3*

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810    50.1  809.07  248.27  796.69  400.84  785.86  801.68  728.84
  844.11  725.09  993.07  715.94  1002.1  715.28  1002.1  711.43 1177.46   709.4
 1191.68  710.98 1202.52  712.18 1252.62   711.6  1390.3  715.99  1489.6     721
 1553.25  722.51 1803.78  717.54 1803.78  713.69 1853.88  708.08 1862.01  707.63
 2254.72   691.7 2455.14  663.96 2482.68  663.24 2630.51     660 2755.77     660
 2805.77  644.62 2805.77  643.23    2900  643.23    3000     660 3163.46  661.79
 3700.55  669.29 3784.62  683.38 4307.69  795.38

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2755.77     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2755.77    3000             23.77   23.77   23.77             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            23.77      23.77      23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       119975.70   27320.15   88115.29
  E.G. Slope (ft/ft)      0.000007    Area (sq ft)            119975.70   27320.15   88115.29
  Q Total (cfs)           100432.60    Flow (cfs)              44091.71   15935.29   40405.61
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  Top Width (ft)           3564.32    Top Width (ft)           2175.84     244.23    1144.25
  Vel Total (ft/s)            0.43    Avg. Vel. (ft/s)            0.37       0.58       0.46
  Max Chl Dpth (ft)         117.15    Hydr. Depth (ft)           55.14     111.86      77.01
  Conv. Total (cfs)       39057930.0    Conv. (cfs)             17147130.0   6197185.0   15713620.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2189.28     249.33    1153.64
  Min Ch El (ft)            643.23    Shear (lb/sq ft)            0.02       0.05       0.03
  Alpha                       1.09    Stream Power (lb/ft s)      0.01       0.03       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    405742.30   23466.59   159474.20
  C & E Loss (ft)                     Cum SA (acres)           3794.48     155.45    1447.72


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24338.5*

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810   50.07  809.38  248.09  797.36  400.56  787.24  801.12  729.23
  843.52   725.6  992.38  715.53  1001.4  714.85  1001.4  710.62 1176.64  709.26
 1190.85  711.07 1201.68  712.45 1251.75  712.07 1389.33  717.59 1488.57   722.8
 1552.17     725 1802.52  721.69 1802.52  717.46 1852.59  711.72 1860.71  711.29
 2253.15  694.47 2453.43  664.31 2480.94  663.57 2628.67     660 2753.85     660
 2803.85  644.08 2803.85  643.15    2900  643.15    3000     660 3167.31  661.97
 3717.03  669.53 3803.08  684.92 4338.46  796.92

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2753.85     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2753.85    3000            23.77   23.77   23.77             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            23.77      23.77      23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       116686.30   27570.20   89419.93
  E.G. Slope (ft/ft)      0.000007    Area (sq ft)            116686.30   27570.20   89419.93
  Q Total (cfs)           100432.20    Flow (cfs)              42688.17   16302.39   41441.64
  Top Width (ft)           3577.81    Top Width (ft)           2167.85     246.15    1163.81
  Vel Total (ft/s)            0.43    Avg. Vel. (ft/s)            0.37       0.59       0.46
  Max Chl Dpth (ft)         117.23    Hydr. Depth (ft)           53.83     112.01      76.83
  Conv. Total (cfs)       38593950.0    Conv. (cfs)             16404150.0   6264660.0   15925140.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2182.60     250.96    1173.05
  Min Ch El (ft)            643.15    Shear (lb/sq ft)            0.02       0.05       0.03
  Alpha                       1.09    Stream Power (lb/ft s)      0.01       0.03       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    405677.70   23451.62   159425.80
  C & E Loss (ft)                     Cum SA (acres)           3793.29     155.31    1447.09


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24314.7*

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810   50.03  809.69  247.92  798.03  400.28  788.62  800.56  729.61
  842.93   726.1  991.68  715.13  1000.7  714.43  1000.7  709.81 1175.82  709.13
 1190.02  711.17 1200.84  712.73 1250.87  712.53 1388.36  719.19 1487.53   724.6
 1551.08   727.5 1801.26  725.85 1801.26  721.23 1851.29  715.36 1859.41  714.95
 2251.57  697.23 2451.71  664.65 2479.21  663.89 2626.84     660 2751.92     660
 2801.92  643.54 2801.92  643.08    2900  643.08    3000     660 3171.15  662.15
 3733.52  669.76 3821.54  686.46 4369.23  798.46

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2751.92     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2751.92    3000            23.77   23.77   23.77             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            23.77      23.77      23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       113410.40   27820.31   90704.20
  E.G. Slope (ft/ft)      0.000007    Area (sq ft)            113410.40   27820.31   90704.20
  Q Total (cfs)           100431.80    Flow (cfs)              41274.00   16674.15   42483.66
  Top Width (ft)           3591.22    Top Width (ft)           2160.11     248.08    1183.04
  Vel Total (ft/s)            0.43    Avg. Vel. (ft/s)            0.36       0.60       0.47
  Max Chl Dpth (ft)         117.30    Hydr. Depth (ft)           52.50     112.14      76.67
  Conv. Total (cfs)       38139760.0    Conv. (cfs)             15674120.0   6332138.0   16133500.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2176.27     252.60    1192.15
  Min Ch El (ft)            643.08    Shear (lb/sq ft)            0.02       0.05       0.03
  Alpha                       1.10    Stream Power (lb/ft s)      0.01       0.03       0.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    405614.90   23436.50   159376.60
  C & E Loss (ft)                     Cum SA (acres)           3792.11     155.18    1446.45


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24291

INPUT
Description:
Station Elevation Data    num=      22
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810      50     810     400     790     800     730    1000     714
    1000     709    1175     709    1200     713    1250     713    1550     730
    1800     730    1800     725    1850     719    2250     700    2450     665
    2625     660    2750     660    2800     643    2900     643    3000     660
    3750     670    4400     800
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2750     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2750    3000              385     385     385             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.39    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)           385.00     385.00     385.00
  Crit W.S. (ft)                      Flow Area (sq ft)       110138.40   28070.98   91961.05
  E.G. Slope (ft/ft)      0.000007    Area (sq ft)            110138.40   28070.98   91961.05
  Q Total (cfs)           100431.40    Flow (cfs)              39849.62   17052.34   43529.44
  Top Width (ft)           3604.48    Top Width (ft)           2152.56     250.00    1201.92
  Vel Total (ft/s)            0.44    Avg. Vel. (ft/s)            0.36       0.61       0.47
  Max Chl Dpth (ft)         117.38    Hydr. Depth (ft)           51.17     112.28      76.51
  Conv. Total (cfs)       37692020.0    Conv. (cfs)             14955610.0   6399765.0   16336650.0
  Length Wtd. (ft)          385.00    Wetted Per. (ft)         2170.18     254.25    1210.94
  Min Ch El (ft)            643.00    Shear (lb/sq ft)            0.02       0.05       0.03
  Alpha                       1.11    Stream Power (lb/ft s)      0.01       0.03       0.02
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    405553.90   23421.25   159326.80
  C & E Loss (ft)                     Cum SA (acres)           3790.93     155.04    1445.80


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 23906

INPUT
Description:
Station Elevation Data    num=      23
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     801     200     790     500     737     700     720     990     706
    1000     700    1200     700    1550     719    1625     720    1700     722
    1800     722    2000     710    2225     690    2400     660    2575     642
    2650     642    2700     660    2900     660    3200     669    3500     671
    3625     671    3750     678    4400     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2400     .15    2700     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2400    2700            112.67  112.67  112.67             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)           112.67     112.67     112.67
  Crit W.S. (ft)                      Flow Area (sq ft)        99385.16   33489.53   115942.80
  E.G. Slope (ft/ft)      0.000006    Area (sq ft)             99385.16   33489.53   115942.80
  Q Total (cfs)           100424.60    Flow (cfs)              31673.65   18393.40   50357.56
  Top Width (ft)           3821.27    Top Width (ft)           2032.35     300.00    1488.92
  Vel Total (ft/s)            0.40    Avg. Vel. (ft/s)            0.32       0.55       0.43
  Max Chl Dpth (ft)         118.38    Hydr. Depth (ft)           48.90     111.63      77.87
  Conv. Total (cfs)       41618520.0    Conv. (cfs)             13126370.0   7622693.0   20869460.0
  Length Wtd. (ft)          112.67    Wetted Per. (ft)         2041.47     304.06    1496.92
  Min Ch El (ft)            642.00    Shear (lb/sq ft)            0.02       0.04       0.03
  Alpha                       1.12    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    404628.00   23149.21   158408.00
  C & E Loss (ft)                     Cum SA (acres)           3772.44     152.61    1433.91


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 23793.3*

INPUT
Description:
Station Elevation Data    num=      42
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     801  202.78  791.12     292  779.64  389.33  768.33  506.94  746.61
  535.33  743.08  709.72  731.14  827.33  725.93  973.33  710.97 1003.75  709.06
 1013.89  704.75    1168     700 1216.67     697 1216.67  696.33 1557.33  708.49
 1571.53  709.27 1647.57  711.37 1723.61  714.13    1752  714.67    1825  715.17
 1849.33  714.37 1946.67   709.2 1995.33  708.61 2027.78  707.16 2238.67  693.67
  2255.9  692.43    2336   682.3 2433.33  661.67    2575  641.67 2641.67  641.67
 2680.56     653    2700     660 2907.84     660 3164.91  664.95 3219.61  666.98
 3350.88  669.89 3531.37  670.67 3661.27  670.67 3722.81  672.88 3791.18  676.56
 3908.77  692.83 4466.67  800.67

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2433.33     .15    2700     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2433.33    2700            112.67  112.67  112.67             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)           112.67     112.67     112.67
  Crit W.S. (ft)                      Flow Area (sq ft)        99745.23   29731.43   123195.30
  E.G. Slope (ft/ft)      0.000006    Area (sq ft)             99745.23   29731.43   123195.30
  Q Total (cfs)           100422.50    Flow (cfs)              31533.83   15951.10   52937.57
  Top Width (ft)           3825.87    Top Width (ft)           2000.96     266.67    1558.24
  Vel Total (ft/s)            0.40    Avg. Vel. (ft/s)            0.32       0.54       0.43
  Max Chl Dpth (ft)         118.71    Hydr. Depth (ft)           49.85     111.49      79.06
  Conv. Total (cfs)       42502750.0    Conv. (cfs)             13346360.0   6751131.0   22405260.0
  Length Wtd. (ft)          112.67    Wetted Per. (ft)         2009.29     270.91    1566.09
  Min Ch El (ft)            641.67    Shear (lb/sq ft)            0.02       0.04       0.03
  Alpha                       1.10    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    404370.50   23067.44   158098.70
  C & E Loss (ft)                     Cum SA (acres)           3767.22     151.88    1429.97
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CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 23680.6*

INPUT
Description:
Station Elevation Data    num=      42
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     801  205.56  792.24     296  784.82  394.67  779.16  513.89  756.22
  542.67  751.54  719.44  742.29  838.67  737.47  986.67  714.48  1017.5  712.12
 1027.78   709.5    1184     700 1233.33     694 1233.33  692.67 1578.67  698.75
 1593.06  699.53 1670.14  702.73 1747.22  706.26    1776  707.33    1850  708.33
 1874.67  708.19 1973.33   703.6 2022.67  705.31 2055.56  704.31 2269.33  695.84
 2286.81  694.86    2368  688.15 2466.67  663.33    2575  641.33 2633.33  641.33
 2677.78     652    2700     660 2915.69     660 3182.46  662.47 3239.22  664.96
 3375.44  669.95 3562.75  670.33 3697.55  670.33  3761.4  671.44 3832.35  675.12
 3954.39  686.41 4533.33  801.33

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2466.67     .15    2700     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2466.67    2700           112.67  112.67  112.67             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)           112.67     112.67     112.67
  Crit W.S. (ft)                      Flow Area (sq ft)       100667.60   26023.36   130680.00
  E.G. Slope (ft/ft)      0.000005    Area (sq ft)            100667.60   26023.36   130680.00
  Q Total (cfs)           100420.40    Flow (cfs)              31497.93   13575.38   55347.09
  Top Width (ft)           3834.77    Top Width (ft)           1974.40     233.33    1627.04
  Vel Total (ft/s)            0.39    Avg. Vel. (ft/s)            0.31       0.52       0.42
  Max Chl Dpth (ft)         119.05    Hydr. Depth (ft)           50.99     111.53      80.32
  Conv. Total (cfs)       43579730.0    Conv. (cfs)            13669250.0   5891348.0   24019140.0
  Length Wtd. (ft)          112.67    Wetted Per. (ft)         1983.64     238.20    1635.09
  Min Ch El (ft)            641.33    Shear (lb/sq ft)            0.02       0.04       0.03
  Alpha                       1.09    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    404111.30   22995.34   157770.40
  C & E Loss (ft)                     Cum SA (acres)           3762.08     151.23    1425.85


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 23568

INPUT
Description:
Station Elevation Data    num=      26
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     801     300     790     400     790     550     760     850     749
    1000     718    1200     700    1250     691    1250     689    1600     689
    1800     700    1900     702    2000     698    2050     702    2300     698
    2400     694    2500     665    2575     641    2625     641    2675     651
    2700     660    3200     660    3400     670    3800     670    4000     680
    4600     802

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2500     .15    2700     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2500    2700              131     131     131             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)           131.00     131.00     131.00
  Crit W.S. (ft)                      Flow Area (sq ft)       102092.00   22363.56   138382.10
  E.G. Slope (ft/ft)      0.000005    Area (sq ft)            102092.00   22363.56   138382.10
  Q Total (cfs)           100418.30    Flow (cfs)              31554.24   11281.05   57583.01
  Top Width (ft)           3847.22    Top Width (ft)           1951.90     200.00    1695.31
  Vel Total (ft/s)            0.38    Avg. Vel. (ft/s)            0.31       0.50       0.42
  Max Chl Dpth (ft)         119.38    Hydr. Depth (ft)           52.30     111.82      81.63
  Conv. Total (cfs)       44832450.0    Conv. (cfs)            14087610.0   5036504.0   25708340.0
  Length Wtd. (ft)          131.00    Wetted Per. (ft)         1963.72     206.31    1703.90
  Min Ch El (ft)            641.00    Shear (lb/sq ft)            0.02       0.03       0.03
  Alpha                       1.08    Stream Power (lb/ft s)      0.01       0.02       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    403849.10   22932.76   157422.40
  C & E Loss (ft)                     Cum SA (acres)           3757.01     150.67    1421.55


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 23437.*

INPUT
Description:
Station Elevation Data    num=      43
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  795.75     282  781.09     376  778.95     517  753.24     799  738.58
     940  712.12  989.47  707.45    1128   696.7    1175  689.68    1175  688.18
 1422.37  686.75    1504  686.75 1546.05   688.6 1607.89  688.81    1692  691.57
    1786  692.02 1855.26  689.04    1880   688.4    1927  691.68 2102.63  690.51
    2162  689.35    2256  685.72 2288.16  678.06    2350   661.5 2418.75  640.75
 2481.25  640.75 2527.08  649.42    2550  656.75 2599.78     658 2674.46     658
 2674.46   657.5 2798.91   657.5  2823.8  658.25 3303.29   661.3 3570.54  669.65
 3604.61  670.84 4068.37   675.5 4207.24  677.51 4508.55  689.36 5088.91   756.5
 5188.48  769.32 5337.83  786.44  5412.5  795.75

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2350     .15    2550     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2350    2550              131     131     131             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)           131.00     131.00     131.00
  Crit W.S. (ft)                      Flow Area (sq ft)       108028.50   22731.46   201872.70
  E.G. Slope (ft/ft)      0.000003    Area (sq ft)            108028.50   22731.46   201872.70
  Q Total (cfs)           100415.70    Flow (cfs)              27685.67    9034.71   63695.33
  Top Width (ft)           4641.21    Top Width (ft)           1872.16     200.00    2569.05
  Vel Total (ft/s)            0.30    Avg. Vel. (ft/s)            0.26       0.40       0.32
  Max Chl Dpth (ft)         119.63    Hydr. Depth (ft)           57.70     113.66      78.58
  Conv. Total (cfs)       57761750.0    Conv. (cfs)             15925520.0   5197001.0   36639220.0
  Length Wtd. (ft)          131.00    Wetted Per. (ft)         1881.75     205.02    2574.13
  Min Ch El (ft)            640.75    Shear (lb/sq ft)            0.01       0.02       0.01
  Alpha                       1.05    Stream Power (lb/ft s)      0.00       0.01       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    403533.10   22864.95   156910.80
  C & E Loss (ft)                     Cum SA (acres)           3751.26     150.07    1415.14


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 23306.*

INPUT
Description:
Station Elevation Data    num=      43
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   790.5     264  772.17     352   767.9     484  746.49     748  728.16
     880  706.25  926.32  701.63    1056   693.4    1100  688.36    1100  687.36
 1331.58   684.5    1408   684.5 1447.37  685.73 1505.26  682.54    1584  683.13
    1672  682.04 1736.84  679.03    1760   678.8    1804  681.37 1968.42  682.01
    2024   680.7    2112  677.43 2142.11  672.04    2200     658  2262.5   640.5
  2337.5   640.5 2379.17  647.83    2400   653.5 2466.52     656  2566.3     656
  2566.3     655 2732.61     655 2765.87   656.5 3406.58   662.6  3763.7  670.43
 3809.21  671.68 4428.91     681 4614.47  685.01 5017.11  698.72 5792.61  754.66
 5925.65  766.88 6125.22  780.96    6225   789.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2200     .15    2400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2200    2400              131     131     131             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)           131.00     131.00     131.00
  Crit W.S. (ft)                      Flow Area (sq ft)       112757.30   23064.83   260968.00
  E.G. Slope (ft/ft)      0.000002    Area (sq ft)            112757.30   23064.83   260968.00
  Q Total (cfs)           100412.40    Flow (cfs)              25525.96    7772.44   67114.00
  Top Width (ft)           5456.53    Top Width (ft)           1801.64     200.00    3454.89
  Vel Total (ft/s)            0.25    Avg. Vel. (ft/s)            0.23       0.34       0.26
  Max Chl Dpth (ft)         119.88    Hydr. Depth (ft)           62.59     115.32      75.54
  Conv. Total (cfs)       69063060.0    Conv. (cfs)             17556600.0   5345841.0   46160610.0
  Length Wtd. (ft)          131.00    Wetted Per. (ft)         1809.49     203.80    3458.73
  Min Ch El (ft)            640.50    Shear (lb/sq ft)            0.01       0.01       0.01
  Alpha                       1.03    Stream Power (lb/ft s)      0.00       0.01       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    403201.10   22796.09   156214.80
  C & E Loss (ft)                     Cum SA (acres)           3745.73     149.47    1406.08


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 23175.*

INPUT
Description:
Station Elevation Data    num=      43
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  785.25     246  763.26     328  756.85     451  739.73     697  717.74
     820  700.38  863.16  695.82     984   690.1    1025  687.04    1025  686.54
 1240.79  682.25    1312  682.25 1348.68  682.87 1402.63  676.27    1476   674.7
    1558  672.06 1618.42  669.01    1640   669.2    1681  671.05 1834.21   673.5
    1886  672.05    1968  669.15 1996.05  666.02    2050   654.5 2106.25  640.25
 2193.75  640.25 2231.25  646.25    2250  650.25 2333.26     654 2458.15     654
 2458.15   652.5  2666.3   652.5 2707.93  654.75 3509.87   663.9 3956.85  671.22
 4013.82  672.53 4789.46   686.5 5021.71  692.52 5525.66  708.09  6496.3  752.83
 6662.83  764.44 6912.61  775.48  7037.5  783.25

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2050     .15    2250     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2050    2250              131     131     131             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)           131.00     131.00     131.00
  Crit W.S. (ft)                      Flow Area (sq ft)       116482.40   23362.88   315679.70
  E.G. Slope (ft/ft)      0.000002    Area (sq ft)            116482.40   23362.88   315679.70
  Q Total (cfs)           100408.60    Flow (cfs)              23992.09    7002.38   69414.13
  Top Width (ft)           6321.77    Top Width (ft)           1767.17     200.00    4354.61
  Vel Total (ft/s)            0.22    Avg. Vel. (ft/s)            0.21       0.30       0.22
  Max Chl Dpth (ft)         120.13    Hydr. Depth (ft)           65.91     116.81      72.49
  Conv. Total (cfs)       78602920.0    Conv. (cfs)             18781740.0   5481674.0   54339500.0
  Length Wtd. (ft)          131.00    Wetted Per. (ft)         1773.79     202.68    4358.12
  Min Ch El (ft)            640.25    Shear (lb/sq ft)            0.01       0.01       0.01
  Alpha                       1.03    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    402856.40   22726.28   155347.80
  C & E Loss (ft)                     Cum SA (acres)           3740.37     148.87    1394.34
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CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 23044

INPUT
Description:
Station Elevation Data    num=      23
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780     800     690    1150     680    1250     680    1300     670
    1500     659    1700     665    1850     660    1900     651    1950     640
    2050     640    2100     647    2200     652    2350     652    2350     650
    2600     650    2650     653    4150     672    5150     692    7200     751
    7400     762    7700     770    7850     777

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    1900     .15    2100     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        1900    2100             46.31   46.31   46.31             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
    3900    7850     780       F

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            46.31      46.31      46.31
  Crit W.S. (ft)                      Flow Area (sq ft)       119482.70   23625.98   184713.00
  E.G. Slope (ft/ft)      0.000002    Area (sq ft)            119482.70   23625.98   366087.30
  Q Total (cfs)           100404.30    Flow (cfs)              30479.12    8578.05   61347.13
  Top Width (ft)           7196.14    Top Width (ft)           1725.60     200.00    5270.54
  Vel Total (ft/s)            0.31    Avg. Vel. (ft/s)            0.26       0.36       0.33
  Max Chl Dpth (ft)         120.38    Hydr. Depth (ft)           69.24     118.13     102.62
  Conv. Total (cfs)       65584890.0    Conv. (cfs)            19909200.0   5603252.0   40072440.0
  Length Wtd. (ft)           46.31    Wetted Per. (ft)         1731.96     201.68    1802.32
  Min Ch El (ft)            640.00    Shear (lb/sq ft)            0.01       0.02       0.01
  Alpha                       1.05    Stream Power (lb/ft s)      0.00       0.01       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    402501.60   22655.62   154322.60
  C & E Loss (ft)                     Cum SA (acres)           3735.11     148.27    1379.87


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 22997.6*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  393.36   735.8  546.33  718.56  677.45  704.34  786.71  693.13
  809.72  690.87  961.54  687.58 1048.95   685.3 1163.97   681.3 1223.78  680.77
 1265.18  679.93 1311.19  670.61 1315.79  669.74  1398.6  665.08 1518.22  659.02
 1573.43  660.51 1720.65  664.25 1872.47  659.33 1923.08  650.92 1973.08  639.92
 2072.31  639.92 2123.08  647.23 2218.06  651.89 2360.54  651.96 2360.54  650.11
 2597.99  650.22 2645.48  653.01 3761.54  667.28 4070.23  671.21 4307.69  675.92
 4853.85  687.08 5020.07  691.24 6492.31  740.72 6967.22  754.33 7157.19  764.62
 7442.14  772.21 7584.62  778.77

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1923.08     .15 2123.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1923.08 2123.08             46.31   46.31   46.31             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            46.31      46.31      46.31
  Crit W.S. (ft)                      Flow Area (sq ft)       120752.40   23631.58   344662.60
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            120752.40   23631.58   344662.60
  Q Total (cfs)           100402.70    Flow (cfs)              24182.22    6746.92   69473.57
  Top Width (ft)           6904.32    Top Width (ft)           1748.48     200.00    4955.84
  Vel Total (ft/s)            0.21    Avg. Vel. (ft/s)            0.20       0.29       0.20
  Max Chl Dpth (ft)         120.46    Hydr. Depth (ft)           69.06     118.16      69.55
  Conv. Total (cfs)       83406520.0    Conv. (cfs)            20088650.0   5604799.0   57713070.0
  Length Wtd. (ft)           46.31    Wetted Per. (ft)         1754.56     201.72    4959.41
  Min Ch El (ft)            639.92    Shear (lb/sq ft)            0.01       0.01       0.01
  Alpha                       1.03    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    402373.90   22630.50   153944.80
  C & E Loss (ft)                     Cum SA (acres)           3733.27     148.06    1374.43


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 22951.3*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  398.08  735.31  552.88  717.85  685.58  703.98  796.15   693.7
  819.43  691.74  973.08  689.45 1061.54  687.36 1177.94  682.59 1238.46  681.54
 1280.36  679.86 1326.92  670.31 1331.58  669.48 1415.38  664.65 1536.44  659.05
 1592.31  660.38  1741.3  663.49 1894.94  658.66 1946.15  650.85 1996.15  639.85
 2094.62  639.85 2146.15  647.46 2236.12  651.78 2371.07  651.92 2371.07  650.22
 2595.99  650.45 2640.97  653.03 3698.08  666.67 3990.47  670.41 4215.38  674.85
 4732.69  685.65 4890.13  690.49 6284.62  744.82 6734.45  757.67 6914.38  767.24
 7184.28  774.41 7319.23  780.54

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1946.15     .15 2146.15     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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       1946.15 2146.15            46.31   46.31   46.31             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            46.31      46.31      46.31
  Crit W.S. (ft)                      Flow Area (sq ft)       122019.10   23634.99   323705.50
  E.G. Slope (ft/ft)      0.000002    Area (sq ft)            122019.10   23634.99   323705.50
  Q Total (cfs)           100401.20    Flow (cfs)              25373.70    7018.04   68009.46
  Top Width (ft)           6610.65    Top Width (ft)           1771.39     200.00    4639.26
  Vel Total (ft/s)            0.21    Avg. Vel. (ft/s)            0.21       0.30       0.21
  Max Chl Dpth (ft)         120.53    Hydr. Depth (ft)           68.88     118.18      69.78
  Conv. Total (cfs)       80193160.0    Conv. (cfs)             20266660.0   5605498.0   54321000.0
  Length Wtd. (ft)           46.31    Wetted Per. (ft)         1777.26     201.75    4642.79
  Min Ch El (ft)            639.85    Shear (lb/sq ft)            0.01       0.01       0.01
  Alpha                       1.03    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    402244.90   22605.37   153589.50
  C & E Loss (ft)                     Cum SA (acres)           3731.40     147.84    1369.33


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22905.0*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780   402.8  734.83  559.44  717.14  693.71  703.62  805.59  694.27
  829.15  692.61  984.62  691.32 1074.13  689.42  1191.9  683.89 1253.15  682.31
 1295.55  679.79 1342.66  670.01 1347.37  669.22 1432.17  664.23 1554.66  659.07
 1611.19  660.26 1761.94  662.74 1917.41  657.99 1969.23  650.77 2019.23  639.77
 2116.92  639.77 2169.23  647.69 2254.18  651.67 2381.61  651.87 2381.61  650.33
 2593.98  650.67 2636.45  653.04 3634.62  666.06  3910.7  669.62 4123.08  673.77
 4611.54  684.23  4760.2  689.73 6076.92  748.93 6501.67     761 6671.57  769.87
 6926.42  776.62 7053.85  782.31

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1969.23     .15 2169.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1969.23 2169.23            46.31   46.31   46.31             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            46.31      46.31      46.31
  Crit W.S. (ft)                      Flow Area (sq ft)       123277.10   23639.91   303239.30
  E.G. Slope (ft/ft)      0.000002    Area (sq ft)            123277.10   23639.91   303239.30
  Q Total (cfs)           100399.80    Flow (cfs)              26581.55    7290.65   66527.60
  Top Width (ft)           6304.91    Top Width (ft)           1794.27     200.00    4310.63
  Vel Total (ft/s)            0.22    Avg. Vel. (ft/s)            0.22       0.31       0.22
  Max Chl Dpth (ft)         120.61    Hydr. Depth (ft)           68.71     118.20      70.35
  Conv. Total (cfs)       77210780.0    Conv. (cfs)             20442100.0   5606751.0   51161940.0
  Length Wtd. (ft)           46.31    Wetted Per. (ft)         1800.01     201.79    4314.19
  Min Ch El (ft)            639.77    Shear (lb/sq ft)            0.01       0.01       0.01
  Alpha                       1.03    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    402114.50   22580.24   153256.20
  C & E Loss (ft)                     Cum SA (acres)           3729.50     147.63    1364.57


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22858.7*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  407.52  734.35     566  716.42  701.84  703.26  815.03  694.85
  838.87  693.48  996.15  693.19 1086.71  691.48 1205.87  685.18 1267.83  683.08
 1310.73  679.72 1358.39  669.71 1363.16  668.96 1448.95  663.81 1572.87   659.1
 1630.07  660.13 1782.59  661.99 1939.88  657.32 1992.31  650.69 2042.31  639.69
 2139.23  639.69 2192.31  647.92 2272.24  651.56 2392.14  651.83 2392.14  650.45
 2591.97  650.89 2631.94  653.06 3571.15  665.46 3830.94  668.83 4030.77  672.69
 4490.38  682.81 4630.27  688.98 5869.23  753.04  6268.9  764.34 6428.76  772.49
 6668.56  778.83 6788.46  784.08

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1992.31     .15 2192.31     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1992.31 2192.31            46.31   46.31   46.31             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            46.31      46.31      46.31
  Crit W.S. (ft)                      Flow Area (sq ft)       124533.20   23644.61   283362.90
  E.G. Slope (ft/ft)      0.000002    Area (sq ft)            124533.20   23644.61   283362.90
  Q Total (cfs)           100398.40    Flow (cfs)              27684.01    7530.30   65184.08
  Top Width (ft)           5953.70    Top Width (ft)           1817.16     200.00    3936.54
  Vel Total (ft/s)            0.23    Avg. Vel. (ft/s)            0.22       0.32       0.23
  Max Chl Dpth (ft)         120.69    Hydr. Depth (ft)           68.53     118.22      71.98
  Conv. Total (cfs)       74767870.0    Conv. (cfs)             20616610.0   5607904.0   48543360.0
  Length Wtd. (ft)           46.31    Wetted Per. (ft)         1822.81     201.83    3940.20
  Min Ch El (ft)            639.69    Shear (lb/sq ft)            0.01       0.01       0.01
  Alpha                       1.03    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    401982.80   22555.11   152944.40
  C & E Loss (ft)                     Cum SA (acres)           3727.58     147.42    1360.19


CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 22812.4*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  412.24  733.86  572.55  715.71  709.97  702.89  824.48  695.42
  848.58  694.35 1007.69  695.05  1099.3  693.54 1219.84  686.48 1282.52  683.85
 1325.91  679.66 1374.13  669.41 1378.95   668.7 1465.73  663.38 1591.09  659.12
 1648.95  660.01 1803.24  661.23 1962.35  656.65 2015.38  650.62 2065.38  639.62
 2161.54  639.62 2215.38  648.15  2290.3  651.45 2402.68  651.79 2402.68  650.56
 2589.97  651.11 2627.42  653.07 3507.69  664.85 3751.17  668.04 3938.46  671.62
 4369.23  681.38 4500.33  688.22 5661.54  757.14 6036.12  767.67 6185.95  775.11
  6410.7  781.04 6523.08  785.85

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2015.38     .15 2215.38     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2015.38 2215.38            46.31   46.31   46.31             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            46.31      46.31      46.31
  Crit W.S. (ft)                      Flow Area (sq ft)       125789.00   23647.36   264192.50
  E.G. Slope (ft/ft)      0.000002    Area (sq ft)            125789.00   23647.36   264192.50
  Q Total (cfs)           100397.10    Flow (cfs)              28762.49    7758.76   63875.84
  Top Width (ft)           5601.50    Top Width (ft)           1840.08     200.00    3561.42
  Vel Total (ft/s)            0.24    Avg. Vel. (ft/s)            0.23       0.33       0.24
  Max Chl Dpth (ft)         120.76    Hydr. Depth (ft)           68.36     118.24      74.18
  Conv. Total (cfs)       72570490.0    Conv. (cfs)             20790520.0   5608300.0   46171660.0
  Length Wtd. (ft)           46.31    Wetted Per. (ft)         1845.71     201.87    3565.28
  Min Ch El (ft)            639.62    Shear (lb/sq ft)            0.01       0.01       0.01
  Alpha                       1.03    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    401849.70   22529.97   152653.40
  C & E Loss (ft)                     Cum SA (acres)           3725.64     147.20    1356.20


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 22766.1*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  416.96  733.38  579.11  714.99  718.09  702.53  833.92  695.99
   858.3  695.22 1019.23  696.92 1111.89  695.59 1233.81  687.77  1297.2  684.62
 1341.09  679.59 1389.86   669.1 1394.74  668.45 1482.52  662.96 1609.31  659.15
 1667.83  659.88 1823.89  660.48 1984.82  655.99 2038.46  650.54 2088.46  639.54
 2183.85  639.54 2238.46  648.38 2308.36  651.34 2413.21  651.75 2413.21  650.67
 2587.96  651.34 2622.91  653.09 3444.23  664.24  3671.4  667.24 3846.15  670.54
 4248.08  679.96  4370.4  687.46 5453.85  761.25 5803.34  771.01 5943.14  777.73
 6152.84  783.24 6257.69  787.62

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2038.46     .15 2238.46     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2038.46 2238.46            46.31   46.31   46.31             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            46.31      46.31      46.31
  Crit W.S. (ft)                      Flow Area (sq ft)       127037.40   23651.59   245689.00
  E.G. Slope (ft/ft)      0.000002    Area (sq ft)            127037.40   23651.59   245689.00
  Q Total (cfs)           100395.80    Flow (cfs)              29861.82    7990.65   62543.32
  Top Width (ft)           5265.59    Top Width (ft)           1862.98     200.00    3202.61
  Vel Total (ft/s)            0.25    Avg. Vel. (ft/s)            0.24       0.34       0.25
  Max Chl Dpth (ft)         120.84    Hydr. Depth (ft)           68.19     118.26      76.72
  Conv. Total (cfs)       70475470.0    Conv. (cfs)             20962290.0   5609244.0   43903930.0
  Length Wtd. (ft)           46.31    Wetted Per. (ft)         1868.65     201.91    3206.75
  Min Ch El (ft)            639.54    Shear (lb/sq ft)            0.01       0.01       0.01
  Alpha                       1.03    Stream Power (lb/ft s)      0.00       0.01       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    401715.30   22504.83   152382.30
  C & E Loss (ft)                     Cum SA (acres)           3723.67     146.99    1352.61


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 22719.8*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  421.68   732.9  585.66  714.28  726.22  702.17  843.36  696.56
  868.02  696.09 1030.77  698.79 1124.48  697.65 1247.77  689.07 1311.89  685.38
 1356.28  679.52 1405.59   668.8 1410.53  668.19  1499.3  662.54 1627.53  659.17
 1686.71  659.76 1844.53  659.73 2007.29  655.32 2061.54  650.46 2111.54  639.46
 2206.15  639.46 2261.54  648.62 2326.42  651.24 2423.75   651.7 2423.75  650.78
 2585.95  651.56 2618.39   653.1 3380.77  663.64 3591.64  666.45 3753.85  669.46
 4126.92  678.54 4240.47  686.71 5246.15  765.36 5570.57  774.34 5700.33  780.35
 5894.98  785.45 5992.31  789.38

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2061.54     .15 2261.54     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2061.54 2261.54            46.31   46.31   46.31             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
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  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            46.31      46.31      46.31
  Crit W.S. (ft)                      Flow Area (sq ft)       128280.00   23655.22   227603.40
  E.G. Slope (ft/ft)      0.000002    Area (sq ft)            128280.00   23655.22   227603.40
  Q Total (cfs)           100394.60    Flow (cfs)              31275.91    8302.76   60815.93
  Top Width (ft)           5006.81    Top Width (ft)           1885.88     200.00    2920.93
  Vel Total (ft/s)            0.26    Avg. Vel. (ft/s)            0.24       0.35       0.27
  Max Chl Dpth (ft)         120.92    Hydr. Depth (ft)           68.02     118.28      77.92
  Conv. Total (cfs)       67833460.0    Conv. (cfs)             21132150.0   5609912.0   41091410.0
  Length Wtd. (ft)           46.31    Wetted Per. (ft)         1891.64     201.95    2925.34
  Min Ch El (ft)            639.46    Shear (lb/sq ft)            0.01       0.02       0.01
  Alpha                       1.03    Stream Power (lb/ft s)      0.00       0.01       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    401579.60   22479.68   152130.70
  C & E Loss (ft)                     Cum SA (acres)           3721.68     146.78    1349.35


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22673.5*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780   426.4  732.41  592.22  713.57  734.35  701.81   852.8  697.14
  877.73  696.96 1042.31  700.66 1137.06  699.71 1261.74  690.36 1326.57  686.15
 1371.46  679.45 1421.33   668.5 1426.32  667.93 1516.08  662.12 1645.75  659.19
 1705.59  659.63 1865.18  658.98 2029.76  654.65 2084.62  650.38 2134.62  639.38
 2228.46  639.38 2284.62  648.85 2344.48  651.13 2434.28  651.66 2434.28  650.89
 2583.95  651.78 2613.88  653.12 3317.31  663.03 3511.87  665.66 3661.54  668.38
 4005.77  677.12 4110.54  685.95 5038.46  769.47 5337.79  777.68 5457.52  782.98
 5637.12  787.66 5726.92  791.15

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2084.62     .15 2284.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2084.62 2284.62             46.31   46.31   46.31             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            46.31      46.31      46.31
  Crit W.S. (ft)                      Flow Area (sq ft)       129522.10   23658.98   209766.40
  E.G. Slope (ft/ft)      0.000002    Area (sq ft)            129522.10   23658.98   209766.40
  Q Total (cfs)           100393.50    Flow (cfs)              32825.72    8646.10   58921.68
  Top Width (ft)           4761.67    Top Width (ft)           1908.82     200.00    2652.84
  Vel Total (ft/s)            0.28    Avg. Vel. (ft/s)            0.25       0.37       0.28
  Max Chl Dpth (ft)         121.00    Hydr. Depth (ft)           67.85     118.29      79.07
  Conv. Total (cfs)       65147540.0    Conv. (cfs)             21301330.0   5610647.0   38235570.0
  Length Wtd. (ft)           46.31    Wetted Per. (ft)         1914.72     201.99    2657.63
  Min Ch El (ft)            639.38    Shear (lb/sq ft)            0.01       0.02       0.01
  Alpha                       1.03    Stream Power (lb/ft s)      0.00       0.01       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    401442.50   22454.53   151898.30
  C & E Loss (ft)                     Cum SA (acres)           3719.66     146.57    1346.39


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22627.2*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780   431.12  731.93  598.78  712.85  742.48  701.45  862.24  697.71
  887.45  697.83 1053.85  702.53 1149.65  701.77 1275.71  691.66 1341.26  686.92
 1386.64  679.38 1437.06   668.2 1442.11  667.67 1532.87  661.69 1663.97  659.22
 1724.48   659.5 1885.83  658.22 2052.23  653.98 2107.69  650.31 2157.69  639.31
 2250.77  639.31 2307.69  649.08 2362.54  651.02 2444.82  651.62 2444.82     651
 2581.94  652.01 2609.36  653.13 3253.85  662.43 3432.11  664.87 3569.23  667.31
 3884.62  675.69  3980.6   685.2 4830.77  773.57 5105.02  781.01 5214.72   785.6
 5379.26  789.87 5461.54  792.92

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2107.69     .15 2307.69     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2107.69 2307.69             46.31   46.31   46.31             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            46.31      46.31      46.31
  Crit W.S. (ft)                      Flow Area (sq ft)       130758.90   23660.79   192097.00
  E.G. Slope (ft/ft)      0.000003    Area (sq ft)            130758.90   23660.79   192097.00
  Q Total (cfs)           100392.40    Flow (cfs)              34536.20    9025.50   56830.71
  Top Width (ft)           4527.90    Top Width (ft)           1931.72     200.00    2396.18
  Vel Total (ft/s)            0.29    Avg. Vel. (ft/s)            0.26       0.38       0.30
  Max Chl Dpth (ft)         121.07    Hydr. Depth (ft)           67.69     118.30      80.17
  Conv. Total (cfs)       62408110.0    Conv. (cfs)             21469140.0   5610627.0   35328340.0
  Length Wtd. (ft)           46.31    Wetted Per. (ft)         1937.81     202.03    2401.44
  Min Ch El (ft)            639.31    Shear (lb/sq ft)            0.01       0.02       0.01
  Alpha                       1.03    Stream Power (lb/ft s)      0.00       0.01       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    401304.20   22429.38   151684.60
  C & E Loss (ft)                     Cum SA (acres)           3717.62     146.35    1343.70


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22580.9*
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INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  435.84  731.45  605.33  712.14  750.61  701.09  871.68  698.28
  897.17   698.7 1065.38   704.4 1162.24  703.83 1289.68  692.96 1355.94  687.69
 1401.82  679.31  1452.8   667.9 1457.89  667.41 1549.65  661.27 1682.19  659.24
 1743.36  659.38 1906.48  657.47  2074.7  653.31 2130.77  650.23 2180.77  639.23
 2273.08  639.23 2330.77  649.31  2380.6  650.91 2455.35  651.58 2455.35  651.11
 2579.93  652.23 2604.85  653.14 3190.38  661.82 3352.34  664.07 3476.92  666.23
 3763.46  674.27 3850.67  684.44 4623.08  777.68 4872.24  784.34 4971.91  788.22
  5121.4  792.07 5196.15  794.69

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2130.77     .15 2330.77     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2130.77 2330.77            46.31   46.31   46.31             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            46.31      46.31      46.31
  Crit W.S. (ft)                      Flow Area (sq ft)       131989.00   23664.05   174551.50
  E.G. Slope (ft/ft)      0.000003    Area (sq ft)            131989.00   23664.05   174551.50
  Q Total (cfs)           100391.40    Flow (cfs)              36431.48    9448.77   54511.15
  Top Width (ft)           4303.62    Top Width (ft)           1954.63     200.00    2148.99
  Vel Total (ft/s)            0.30    Avg. Vel. (ft/s)            0.28       0.40       0.31
  Max Chl Dpth (ft)         121.15    Hydr. Depth (ft)           67.53     118.32      81.23
  Conv. Total (cfs)       59617360.0    Conv. (cfs)             21634800.0   5611147.0   32371410.0
  Length Wtd. (ft)           46.31    Wetted Per. (ft)         1960.97     202.07    2154.88
  Min Ch El (ft)            639.23    Shear (lb/sq ft)            0.01       0.02       0.01
  Alpha                       1.03    Stream Power (lb/ft s)      0.00       0.01       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    401164.50   22404.22   151489.80
  C & E Loss (ft)                     Cum SA (acres)           3715.55     146.14    1341.29


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22534.6*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  440.56  730.97  611.89  711.43  758.74  700.72  881.12  698.85
  906.88  699.57 1076.92  706.26 1174.83  705.88 1303.64  694.25 1370.63  688.46
    1417  679.24 1468.53   667.6 1473.68  667.15 1566.43  660.85  1700.4  659.27
 1762.24  659.25 1927.13  656.72 2097.17  652.64 2153.85  650.15 2203.85  639.15
 2295.38  639.15 2353.85  649.54 2398.66   650.8 2465.89  651.53 2465.89  651.23
 2577.93  652.45 2600.33  653.16 3126.92  661.21 3272.58  663.28 3384.62  665.15
 3642.31  672.85 3720.74  683.69 4415.38  781.79 4639.46  787.68  4729.1  790.84
 4863.55  794.28 4930.77  796.46

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2153.85     .15 2353.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2153.85 2353.85            46.31   46.31   46.31             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            46.31      46.31      46.31
  Crit W.S. (ft)                      Flow Area (sq ft)       133219.80   23666.99   157069.60
  E.G. Slope (ft/ft)      0.000003    Area (sq ft)            133219.80   23666.99   157069.60
  Q Total (cfs)           100390.40    Flow (cfs)              38552.31    9923.55   51914.54
  Top Width (ft)           4087.46    Top Width (ft)           1977.54     200.00    1909.92
  Vel Total (ft/s)            0.32    Avg. Vel. (ft/s)            0.29       0.42       0.33
  Max Chl Dpth (ft)         121.23    Hydr. Depth (ft)           67.37     118.34      82.24
  Conv. Total (cfs)       56768380.0    Conv. (cfs)             21800410.0   5611531.0   29356430.0
  Length Wtd. (ft)           46.31    Wetted Per. (ft)         1984.18     202.11    1916.60
  Min Ch El (ft)            639.15    Shear (lb/sq ft)            0.01       0.02       0.02
  Alpha                       1.04    Stream Power (lb/ft s)      0.00       0.01       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    401023.60   22379.06   151313.50
  C & E Loss (ft)                     Cum SA (acres)           3713.46     145.93    1339.13


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22488.3*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  445.28  730.48  618.44  710.71  766.87  700.36  890.56  699.43
   916.6  700.45 1088.46  708.13 1187.41  707.94 1317.61  695.55 1385.31  689.23
 1432.19  679.17 1484.27   667.3 1489.47  666.89 1583.22  660.42 1718.62  659.29
 1781.12  659.13 1947.77  655.96 2119.64  651.97 2176.92  650.08 2226.92  639.08
 2317.69  639.08 2376.92  649.77 2416.72  650.69 2476.42  651.49 2476.42  651.34
 2575.92  652.68 2595.82  653.17 3063.46  660.61 3192.81  662.49 3292.31  664.08
 3521.15  671.42  3590.8  682.93 4207.69  785.89 4406.69  791.01 4486.29  793.46
 4605.69  796.49 4665.38  798.23

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2176.92     .15 2376.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2176.92 2376.92            46.31   46.31   46.31             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
```

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  W.S. Elev (ft)            760.38    Reach Len. (ft)            46.31      46.31      46.31
  Crit W.S. (ft)                      Flow Area (sq ft)       134445.60   23668.10   139630.60
  E.G. Slope (ft/ft)      0.000003    Area (sq ft)            134445.60   23668.10   139630.60
  Q Total (cfs)           100389.40    Flow (cfs)              40939.53   10458.81   48991.06
  Top Width (ft)           3878.40    Top Width (ft)           2000.48     200.00    1677.92
  Vel Total (ft/s)            0.34    Avg. Vel. (ft/s)            0.30       0.44       0.35
  Max Chl Dpth (ft)         121.30    Hydr. Depth (ft)           67.21     118.34      83.22
  Conv. Total (cfs)       53859480.0    Conv. (cfs)             21964290.0   5611209.0   26283980.0
  Length Wtd. (ft)           46.31    Wetted Per. (ft)         2007.46     202.15    1685.66
  Min Ch El (ft)            639.08    Shear (lb/sq ft)            0.01       0.03       0.02
  Alpha                       1.04    Stream Power (lb/ft s)      0.00       0.01       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    400881.30   22353.90   151155.80
  C & E Loss (ft)                     Cum SA (acres)           3711.35     145.72    1337.22


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22442

INPUT
Description:
Station Elevation Data    num=      20
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780     450     730     625     710     775     700     900     700
    1100     710    1200     710    1400     690    1500     667    1600     660
    1800     659    2200     650    2250     639    2340     639    2400     650
    3000     660    3200     663    3400     670    4000     790    4400     800

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2200     .15    2400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2200    2400              449     449     449             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)           449.00     449.00     449.00
  Crit W.S. (ft)                      Flow Area (sq ft)       135664.20   23670.60   122198.40
  E.G. Slope (ft/ft)      0.000004    Area (sq ft)            135664.20   23670.60   122198.40
  Q Total (cfs)           100388.50    Flow (cfs)              43648.72   11069.71   45670.07
  Top Width (ft)           3675.29    Top Width (ft)           2023.40     200.00    1451.89
  Vel Total (ft/s)            0.36    Avg. Vel. (ft/s)            0.32       0.47       0.37
  Max Chl Dpth (ft)         121.38    Hydr. Depth (ft)           67.05     118.35      84.17
  Conv. Total (cfs)       50888410.0    Conv. (cfs)             22126180.0   5611401.0   23150830.0
  Length Wtd. (ft)          449.00    Wetted Per. (ft)         2030.76     202.20    1461.07
  Min Ch El (ft)            639.00    Shear (lb/sq ft)            0.02       0.03       0.02
  Alpha                       1.04    Stream Power (lb/ft s)      0.01       0.01       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    400737.70   22328.73   151016.60
  C & E Loss (ft)                     Cum SA (acres)           3709.21     145.50    1335.56


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 21993

INPUT
Description:
Station Elevation Data    num=      13
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     756     150     756     950     700    1150     682    1200     681
    1350     670    1425     660    2600     650    2600     638    2700     638
    2800     650    3450     660    4000     762

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2600     .15    2800     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2600    2800              686     686     686             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)           686.00     686.00     686.00
  Crit W.S. (ft)                      Flow Area (sq ft)       188079.50   23875.34   95659.16
  E.G. Slope (ft/ft)      0.000003    Area (sq ft)            188079.50   23875.34   95659.16
  Q Total (cfs)           100379.70    Flow (cfs)              58560.94    9984.37   31834.39
  Top Width (ft)           3991.25    Top Width (ft)           2600.00     200.00    1191.25
  Vel Total (ft/s)            0.33    Avg. Vel. (ft/s)            0.31       0.42       0.33
  Max Chl Dpth (ft)         122.38    Hydr. Depth (ft)           72.34     119.38      80.30
  Conv. Total (cfs)       55327780.0    Conv. (cfs)             32277910.0   5503233.0   17546640.0
  Length Wtd. (ft)          686.00    Wetted Per. (ft)         2608.26     212.72    1200.55
  Min Ch El (ft)            638.00    Shear (lb/sq ft)            0.01       0.02       0.02
  Alpha                       1.02    Stream Power (lb/ft s)      0.00       0.01       0.01
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    399069.20   22083.69   149893.80
  C & E Loss (ft)                     Cum SA (acres)           3685.38     143.44    1321.94


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 21307

INPUT
Description:
Station Elevation Data    num=      19
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780     400     740     850     700    1000     700    1025     694
    1200     695    1400     696    1600     692    1800     688    2200     670
    2600     660    3600     650    3825     650    3900     635    4000     635
    4200     642    4450     660    5000     770    5300     780

Manning's n Values        num=       3
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     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3825     .15    4200     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3825    4200             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            97.50      97.50      97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       283649.80   45753.36   52532.05
  E.G. Slope (ft/ft)      0.000002    Area (sq ft)            283649.80   45753.36   52532.05
  Q Total (cfs)           100363.80    Flow (cfs)              72361.55   15673.04   12329.21
  Top Width (ft)           4755.63    Top Width (ft)           3628.76     375.00     751.88
  Vel Total (ft/s)            0.26    Avg. Vel. (ft/s)            0.26       0.34       0.23
  Max Chl Dpth (ft)         125.38    Hydr. Depth (ft)           78.17     122.01      69.87
  Conv. Total (cfs)       71193420.0    Conv. (cfs)            51329920.0   11117730.0   8745773.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)         3632.92     376.61     762.46
  Min Ch El (ft)            635.00    Shear (lb/sq ft)            0.01       0.02       0.01
  Alpha                       1.04    Stream Power (lb/ft s)      0.00       0.01       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    395354.70   21535.42   148726.90
  C & E Loss (ft)                     Cum SA (acres)           3636.33     138.91    1306.64


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 21209.5*

INPUT
Description:
Station Elevation Data    num=      27
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   778.5  417.21  739.49  756.65  711.07  886.57  700.48 1031.79     700
 1043.03  699.97  1069.1  694.42 1251.63  694.92 1460.24  695.38 1668.85  691.24
 1877.45  687.11 2149.56  675.74 2294.66  669.89 2711.87   660.4  3439.3  653.44
  3754.9   649.9 3989.58  649.33 4052.08     640 4083.33  634.67 4183.33  634.67
 4383.33  642.08 4483.33  649.27 4633.33  661.17 4983.33     730 5183.33  767.47
 5233.33  769.19 5483.33  779.25

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3989.58     .15 4383.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3989.58 4383.33             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            97.50      97.50      97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       296317.40   48047.57   52382.47
  E.G. Slope (ft/ft)      0.000002    Area (sq ft)            296317.40   48047.57   52382.47
  Q Total (cfs)           100361.10    Flow (cfs)              72771.71   15869.06   11720.33
  Top Width (ft)           4951.62    Top Width (ft)           3795.74     393.75     762.13
  Vel Total (ft/s)            0.25    Avg. Vel. (ft/s)            0.25       0.33       0.22
  Max Chl Dpth (ft)         125.71    Hydr. Depth (ft)           78.07     122.03      68.73
  Conv. Total (cfs)       73895230.0    Conv. (cfs)            53581340.0   11684280.0   8629602.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)         3799.52     395.03     772.39
  Min Ch El (ft)            634.67    Shear (lb/sq ft)            0.01       0.01       0.01
  Alpha                       1.04    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    394705.60   21430.45   148609.50
  C & E Loss (ft)                     Cum SA (acres)           3628.02     138.05    1304.94


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 21112.*

INPUT
Description:
Station Elevation Data    num=      27
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     777  434.42  738.98  787.86  711.06  923.15  700.97 1074.35     700
 1086.06  699.95 1113.21  694.83 1303.27  694.85 1520.48  694.75 1737.69  690.48
  1954.9  686.22 2238.24  675.22 2389.32  669.78 2823.75  660.79 3581.18  653.85
  3909.8   649.8 4154.17  648.67 4229.17     640 4266.67  634.33 4366.67  634.33
 4566.67  642.17 4666.67  649.33 4816.67  662.33 5166.67     730 5366.67  764.93
 5416.67  766.72 5666.67   778.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 4154.17     .15 4566.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       4154.17 4566.67             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            97.50      97.50      97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       309045.10   50353.05   52259.48
  E.G. Slope (ft/ft)      0.000002    Area (sq ft)            309045.10   50353.05   52259.48
  Q Total (cfs)           100358.40    Flow (cfs)              73153.61   16053.11   11151.68
  Top Width (ft)           5150.64    Top Width (ft)           3964.22     412.50     773.92
  Vel Total (ft/s)            0.24    Avg. Vel. (ft/s)            0.24       0.32       0.21
  Max Chl Dpth (ft)         126.05    Hydr. Depth (ft)           77.96     122.07      67.53
  Conv. Total (cfs)       76601210.0    Conv. (cfs)            55836430.0   12252960.0   8511813.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)         3967.66     413.58     783.85
  Min Ch El (ft)            634.33    Shear (lb/sq ft)            0.01       0.01       0.01
  Alpha                       1.05    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    394028.10   21320.32   148492.40
  C & E Loss (ft)                     Cum SA (acres)           3619.34     137.15    1303.22


CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 21014.5*

INPUT
Description:
Station Elevation Data     num=      27
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0   775.5  451.63  738.47  819.07  711.05  959.72  701.45 1116.92     700
 1129.08  699.92 1157.31  695.25  1354.9  694.77 1580.72  694.13 1806.54  689.73
 2032.35  685.33 2326.91   674.7 2483.99  669.66 2935.62  661.19 3723.06  654.27
 4064.71  649.71 4318.75     648 4406.25     640    4450     634    4550     634
    4750  642.25    4850   649.4    5000   663.5    5350     730    5550   762.4
    5600  764.25    5850  777.75

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .15 4318.75     .15    4750     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       4318.75    4750             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            97.50      97.50      97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       321812.40   52668.58   52160.39
  E.G. Slope (ft/ft)      0.000002    Area (sq ft)            321812.40   52668.10   52160.39
  Q Total (cfs)           100355.70    Flow (cfs)              73509.09   16228.67   10617.94
  Top Width (ft)           5353.04    Top Width (ft)           4134.28     431.25     787.50
  Vel Total (ft/s)            0.24    Avg. Vel. (ft/s)            0.23       0.31       0.20
  Max Chl Dpth (ft)         126.38    Hydr. Depth (ft)           77.84     122.13      66.24
  Conv. Total (cfs)       79302980.0    Conv. (cfs)            58088270.0   12824210.0   8390499.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)         4137.43     432.19     797.12
  Min Ch El (ft)            634.00    Shear (lb/sq ft)            0.01       0.01       0.01
  Alpha                       1.05    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    393322.10   21205.03   148375.50
  C & E Loss (ft)                     Cum SA (acres)           3610.28     136.21    1301.48


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 20917.*

INPUT
Description:
Station Elevation Data     num=      27
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     774  468.85  737.96  850.29  711.05   996.3  701.94 1159.48     700
 1172.11   699.9 1201.42  695.67 1406.54   694.7 1640.96   693.5 1875.38  688.97
  2109.8  684.43 2415.59  674.17 2578.65  669.55 3047.49  661.59 3864.94  654.68
 4219.61  649.61 4483.33  647.33 4583.33     640 4633.33  633.67 4733.33  633.67
 4933.33  642.33 5033.33  649.47 5183.33  664.67 5533.33     730 5733.33  759.87
 5783.33  761.78 6033.33     777

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .15 4483.33     .15 4933.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       4483.33 4933.33             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            97.50      97.50      97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       334643.40   54993.58   52098.75
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            334643.40   54993.58   52098.75
  Q Total (cfs)           100352.80    Flow (cfs)              73900.39   16409.19   10043.21
  Top Width (ft)           5569.31    Top Width (ft)           4306.08     450.00     813.22
  Vel Total (ft/s)            0.23    Avg. Vel. (ft/s)            0.22       0.30       0.19
  Max Chl Dpth (ft)         126.71    Hydr. Depth (ft)           77.71     122.21      64.06
  Conv. Total (cfs)       81942360.0    Conv. (cfs)            60342840.0   13398810.0   8200714.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)         4308.96     450.85     822.52
  Min Ch El (ft)            633.67    Shear (lb/sq ft)            0.01       0.01       0.01
  Alpha                       1.05    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    392587.40   21084.54   148258.80
  C & E Loss (ft)                     Cum SA (acres)           3600.83     135.22    1299.68


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 20819.5*

INPUT
Description:
Station Elevation Data     num=      27
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0   772.5  486.06  737.45   881.5  711.04 1032.87  702.42 1202.05     700
 1215.14  699.87 1245.52  696.08 1458.17  694.62  1701.2  692.88 1944.23  688.21
 2187.25  683.54 2504.27  673.65 2673.31  669.44 3159.37  661.99 4006.82   655.1
 4374.51  649.51 4647.92  646.67 4760.42     640 4816.67  633.33 4916.67  633.33
 5116.67  642.42 5216.67  649.53 5366.67  665.83 5716.67     730 5916.67  757.33
 5966.67  759.31 6216.67  776.25

Manning's n Values         num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .15 4647.92     .15 5116.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       4647.92 5116.67             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            97.50      97.50      97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       347527.90   57330.24   52158.46
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            347527.90   57330.24   52158.46
```

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  Q Total (cfs)           100349.80    Flow (cfs)              74372.27   16606.97    9370.55
  Top Width (ft)           5814.25    Top Width (ft)           4479.78     468.75     865.72
  Vel Total (ft/s)            0.22    Avg. Vel. (ft/s)            0.21       0.29       0.18
  Max Chl Dpth (ft)         127.05    Hydr. Depth (ft)           77.58     122.30      60.25
  Conv. Total (cfs)       84459710.0    Conv. (cfs)            62595650.0   13977310.0   7886751.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)         4482.43     469.55     874.62
  Min Ch El (ft)            633.33    Shear (lb/sq ft)            0.01       0.01       0.01
  Alpha                       1.05    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    391824.00   20958.83   148142.10
  C & E Loss (ft)                     Cum SA (acres)           3591.00     134.19    1297.81


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 20722.*

INPUT
Description:
Station Elevation Data    num=      27
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     771  503.27  736.94  912.72  711.04 1069.44   702.9 1244.61     700
 1258.17  699.85 1289.62   696.5  1509.8  694.55 1761.44  692.25 2013.07  687.45
 2264.71  682.65 2592.94  673.13 2767.97  669.32 3271.24  662.38 4148.71  655.51
 4529.41  649.41  4812.5     646  4937.5     640    5000     633    5100     633
    5300   642.5    5400   649.6    5550     667    5900     730    6100   754.8
    6150  756.83    6400   775.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  4812.5     .15    5300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        4812.5    5300             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            97.50      97.50      97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       360486.90   59676.62   52307.25
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            360486.90   59676.62   52307.25
  Q Total (cfs)           100346.70    Flow (cfs)             74671.05   16763.84    8911.82
  Top Width (ft)           6040.48    Top Width (ft)           4655.51     487.50     897.47
  Vel Total (ft/s)            0.21    Avg. Vel. (ft/s)            0.21       0.28       0.17
  Max Chl Dpth (ft)         127.38    Hydr. Depth (ft)           77.43     122.41      58.28
  Conv. Total (cfs)       87151140.0    Conv. (cfs)            64851820.0   14559400.0   7739918.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)         4657.97     488.26     906.06
  Min Ch El (ft)            633.00    Shear (lb/sq ft)            0.01       0.01       0.00
  Alpha                       1.06    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    391031.60   20827.88   148025.20
  C & E Loss (ft)                     Cum SA (acres)           3580.77     133.12    1295.83


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 20624.5*

INPUT
Description:
Station Elevation Data    num=      27
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   769.5  520.48  736.43  943.93  711.03 1106.02  703.39 1287.18     700
  1301.2  699.82 1333.73  696.92 1561.44  694.47 1821.68  691.63 2081.92  686.69
 2342.16  681.76 2681.62  672.61 2862.64  669.21 3383.12  662.78 4290.59  655.93
 4684.31  649.31 4977.08  645.33 5114.58     640 5183.33  632.67 5283.33  632.67
 5483.33  642.58 5583.33  649.67 5733.33  668.17 6083.33     730 6283.33  752.27
 6333.33  754.36 6583.33  774.75

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 4977.08     .15 5483.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       4977.08 5483.33             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            97.50      97.50      97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       373495.80   62033.38   52517.55
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            373495.80   62033.38   52517.55
  Q Total (cfs)           100343.40    Flow (cfs)             74902.48   16905.96    8534.95
  Top Width (ft)           6263.46    Top Width (ft)           4833.46     506.25     923.75
  Vel Total (ft/s)            0.21    Avg. Vel. (ft/s)            0.20       0.27       0.16
  Max Chl Dpth (ft)         127.71    Hydr. Depth (ft)           77.27     122.54      56.85
  Conv. Total (cfs)       89893850.0    Conv. (cfs)            67102300.0   15145410.0   7646140.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)         4835.75     506.99     932.08
  Min Ch El (ft)            632.67    Shear (lb/sq ft)            0.01       0.01       0.00
  Alpha                       1.06    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    390210.20   20691.67   147907.90
  C & E Loss (ft)                     Cum SA (acres)           3570.15     132.01    1293.79


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 20527.*

INPUT
Description:
Station Elevation Data    num=      27
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     768  537.69  735.92  975.14  711.02 1142.59  703.87 1329.74     700
 1344.23   699.8 1377.83  697.33 1613.07   694.4 1881.92     691 2150.76  685.93
 2419.61  680.87 2770.29  672.09  2957.3   669.1 3494.99  663.18 4432.47  656.34
 4839.22  649.22 5141.67  644.67 5291.67     640 5366.67  632.33 5466.67  632.33
 5666.67  642.67 5766.67  649.73 5916.67  669.33 6266.67     730 6466.67  749.73
 6516.67  751.89 6766.67     774
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 5141.67     .15 5666.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       5141.67 5666.67             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            97.50      97.50      97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       386580.40   64401.18   52779.91
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            386580.40   64401.18   52779.91
  Q Total (cfs)           100340.10    Flow (cfs)              75085.39   17036.30    8218.40
  Top Width (ft)           6484.81    Top Width (ft)           5013.87     525.00     945.94
  Vel Total (ft/s)            0.20    Avg. Vel. (ft/s)            0.19       0.26       0.16
  Max Chl Dpth (ft)         128.04    Hydr. Depth (ft)           77.10     122.67      55.80
  Conv. Total (cfs)       92679510.0    Conv. (cfs)             69352900.0   15735650.0   7590960.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)         5016.01     525.73     954.07
  Min Ch El (ft)            632.33    Shear (lb/sq ft)            0.01       0.01       0.00
  Alpha                       1.06    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    389359.60   20550.17   147790.10
  C & E Loss (ft)                     Cum SA (acres)           3559.13     130.86    1291.70


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 20429.5*

INPUT
Description:
Station Elevation Data    num=      27
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   766.5   554.9  735.41 1006.36  711.02 1179.17  704.35 1372.31     700
 1387.25  699.77 1421.94  697.75 1664.71  694.32 1942.16  690.38 2219.61  685.18
 2497.06  679.98 2858.97  671.57 3051.96  668.99 3606.86  663.58 4574.35  656.76
 4994.12  649.12 5306.25     644 5468.75     640    5550     632    5650     632
    5850  642.75    5950   649.8    6100   670.5    6450     730    6650   747.2
    6700  749.42    6950  773.25

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 5306.25     .15    5850     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       5306.25    5850             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            97.50      97.50      97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       399729.50   66778.80   53075.09
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            399729.50   66778.80   53075.09
  Q Total (cfs)           100336.70    Flow (cfs)              75231.91   17158.45    7946.33
  Top Width (ft)           6705.60    Top Width (ft)           5196.93     543.75     964.93
  Vel Total (ft/s)            0.19    Avg. Vel. (ft/s)            0.19       0.26       0.15
  Max Chl Dpth (ft)         128.37    Hydr. Depth (ft)           76.92     122.81      55.00
  Conv. Total (cfs)       95490820.0    Conv. (cfs)             71598500.0   16329760.0   7562555.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)         5198.95     544.48     972.93
  Min Ch El (ft)            632.00    Shear (lb/sq ft)            0.01       0.01       0.00
  Alpha                       1.06    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    388479.60   20403.37   147671.60
  C & E Loss (ft)                     Cum SA (acres)           3547.71     129.66    1289.56


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 20332.*

INPUT
Description:
Station Elevation Data    num=      27
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     765  572.11  734.9 1037.57  711.01 1215.74  704.84 1414.87     700
 1430.28  699.75 1466.04  698.17 1716.34  694.25  2002.4  689.75 2288.45  684.42
 2574.51  679.09 2947.65  671.04 3146.62  668.87 3718.74  663.97 4716.24  657.17
 5149.02  649.02 5470.83  643.33 5645.83     640 5733.33  631.67 5833.33  631.67
 6033.33  642.83 6133.33  649.87 6283.33  671.67 6633.33     730 6833.33  744.67
 6883.33  746.94 7133.33   772.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 5470.83     .15 6033.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       5470.83 6033.33             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            97.50      97.50      97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       412984.50   69166.90   53401.30
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            412984.50   69166.90   53401.30
  Q Total (cfs)           100333.20    Flow (cfs)              75351.55   17272.43    7709.22
  Top Width (ft)           6926.82    Top Width (ft)           5382.92     562.50     981.40
  Vel Total (ft/s)            0.19    Avg. Vel. (ft/s)            0.18       0.25       0.14
  Max Chl Dpth (ft)         128.70    Hydr. Depth (ft)           76.72     122.96      54.41
  Conv. Total (cfs)       98332580.0    Conv. (cfs)             73849060.0   16928020.0   7555498.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)         5384.84     563.24     989.33
  Min Ch El (ft)            631.67    Shear (lb/sq ft)            0.00       0.01       0.00
  Alpha                       1.06    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    387570.00   20251.22   147552.50
  C & E Loss (ft)                     Cum SA (acres)           3535.87     128.42    1287.39


CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 20234.5*

INPUT
Description:
Station Elevation Data     num=      27
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   763.5  589.32  734.39 1068.79  711.01 1252.31  705.32 1457.44     700
 1473.31  699.72 1510.14  698.58 1767.97  694.17 2062.64  689.13  2357.3  683.66
 2651.96  678.19 3036.32  670.52 3241.29  668.76 3830.61  664.37 4858.12  657.59
 5303.92  648.92 5635.42  642.67 5822.92     640 5916.67  631.33 6016.67  631.33
 6216.67  642.92 6316.67  649.93 6466.67  672.83 6816.67     730 7016.67  742.13
 7066.67  744.47 7316.67  771.75

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 5635.42     .15 6216.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       5635.42 6216.67             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             97.50      97.50      97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       426306.50   71565.88   53754.82
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            426306.50   71565.88   53754.82
  Q Total (cfs)           100329.50    Flow (cfs)              75445.48   17382.00    7502.01
  Top Width (ft)           7149.15    Top Width (ft)           5572.15     581.25     995.75
  Vel Total (ft/s)            0.18    Avg. Vel. (ft/s)            0.18       0.24       0.14
  Max Chl Dpth (ft)         129.04    Hydr. Depth (ft)            76.51     123.12      53.98
  Conv. Total (cfs)       101187100.0    Conv. (cfs)            76090390.0   17530580.0   7566137.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)         5573.99     582.00    1003.66
  Min Ch El (ft)            631.33    Shear (lb/sq ft)            0.00       0.01       0.00
  Alpha                       1.06    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    386630.80   20093.72   147432.50
  C & E Loss (ft)                     Cum SA (acres)           3523.60     127.14    1285.17


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 20137

INPUT
Description:
Station Elevation Data     num=      14
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     762    1100     711    1500     700    3125     670    5000     658
    5800     642    6000     640    6100     631    6200     631    6400     643
    6500     650    7000     730    7250     742    7500     771

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5800     .15    6400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5800    6400           335.02  335.02  335.02             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    3400     762        F

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.38    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            335.02     335.02     335.02
  Crit W.S. (ft)                      Flow Area (sq ft)       243905.70   73974.41   54123.12
  E.G. Slope (ft/ft)      0.000002    Area (sq ft)            439722.80   73974.41   54123.12
  Q Total (cfs)           100325.70    Flow (cfs)              67380.33   23226.79    9718.58
  Top Width (ft)           7373.33    Top Width (ft)           5764.93     600.00    1008.40
  Vel Total (ft/s)            0.27    Avg. Vel. (ft/s)            0.28       0.31       0.18
  Max Chl Dpth (ft)         129.37    Hydr. Depth (ft)           101.63     123.29      53.67
  Conv. Total (cfs)       78340930.0    Conv. (cfs)            52615000.0   18137010.0   7588910.0
  Length Wtd. (ft)           335.02    Wetted Per. (ft)         2400.19     600.77    1016.35
  Min Ch El (ft)            631.00    Shear (lb/sq ft)            0.01       0.01       0.01
  Alpha                       1.06    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    385661.50   19930.84   147311.80
  C & E Loss (ft)                     Cum SA (acres)           3510.92     125.82    1282.93


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 19802

INPUT
Description:
Station Elevation Data     num=      19
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     790     500     750     700     720     850     700    1350     670
    1600     660    2000     650    2150     650    3100     642    3200     640
    3250     630    3350     630    3500     642    3675     660    3750     660
    3800     670    3900     670    4150     711    4600     771

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3100     .15    3500     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3100    3500              589     589     589             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            589.00     589.00     589.00
  Crit W.S. (ft)                      Flow Area (sq ft)       242193.10   49899.32   67084.10
  E.G. Slope (ft/ft)      0.000002    Area (sq ft)            242193.10   49899.32   67084.10
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  Q Total (cfs)           100315.40    Flow (cfs)              67592.51   17456.82   15266.07
  Top Width (ft)           4149.97    Top Width (ft)           2729.67     400.00    1020.30
  Vel Total (ft/s)            0.28    Avg. Vel. (ft/s)            0.28       0.35       0.23
  Max Chl Dpth (ft)         130.37    Hydr. Depth (ft)           88.73     124.75      65.75
  Conv. Total (cfs)       70742640.0    Conv. (cfs)             47666380.0   12310590.0   10765660.0
  Length Wtd. (ft)          589.00    Wetted Per. (ft)         2734.90     401.49    1028.83
  Min Ch El (ft)            630.00    Shear (lb/sq ft)            0.01       0.02       0.01
  Alpha                       1.05    Stream Power (lb/ft s)      0.00       0.01       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    383039.20   19454.48   146845.70
  C & E Loss (ft)                     Cum SA (acres)           3478.25     121.97    1275.13


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 19213

INPUT
Description:
Station Elevation Data    num=      20
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     740     100     740     150     730     300     720     600     670
     790     660     800     652    1000     650    1200     649    1300     642
    1600     640    2600     640    2650     629    2750     629    2900     640
    3200     650    3500     720    3600     731    3750     731    4400     784

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2600     .15    2900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2600    2900              290     290     290             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           290.00     290.00     290.00
  Crit W.S. (ft)                      Flow Area (sq ft)       259107.70   38311.66   70406.66
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            259107.70   38311.66   70406.66
  Q Total (cfs)           100302.40    Flow (cfs)              73465.98   12865.60   13970.81
  Top Width (ft)           4110.23    Top Width (ft)           2600.00     300.00    1210.23
  Vel Total (ft/s)            0.27    Avg. Vel. (ft/s)            0.28       0.34       0.20
  Max Chl Dpth (ft)         131.37    Hydr. Depth (ft)           99.66     127.71      58.18
  Conv. Total (cfs)       74768280.0    Conv. (cfs)             54763650.0   9590384.0   10414250.0
  Length Wtd. (ft)          290.00    Wetted Per. (ft)         2629.17     301.60    1220.25
  Min Ch El (ft)            629.00    Shear (lb/sq ft)            0.01       0.01       0.01
  Alpha                       1.06    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    379650.00   18858.11   145916.10
  C & E Loss (ft)                     Cum SA (acres)           3442.22     117.24    1260.05


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 18923

INPUT
Description:
Station Elevation Data    num=      24
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     740      50     730     400     710     600     670     900     649
    1000     649    1050     645    1400     640    2200     640    2600     635
    2650     628    2750     628    3000     634    3050     639    3200     639
    3370     650    3450     650    3600     660    3800     658    4000     670
    4100     680    4450     680    4700     720    5000     762

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2600     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2600    3000               59      59      59             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            59.00      59.00      59.00
  Crit W.S. (ft)                      Flow Area (sq ft)       263243.00   52023.93   165864.10
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            263243.00   52023.93   165864.10
  Q Total (cfs)           100295.00    Flow (cfs)              55998.83   13155.34   31140.83
  Top Width (ft)           4988.37    Top Width (ft)           2600.00     400.00    1988.37
  Vel Total (ft/s)            0.21    Avg. Vel. (ft/s)            0.21       0.25       0.19
  Max Chl Dpth (ft)         132.37    Hydr. Depth (ft)          101.25     130.06      83.42
  Conv. Total (cfs)       100764700.0    Conv. (cfs)             56261060.0   13216940.0   31286660.0
  Length Wtd. (ft)           59.00    Wetted Per. (ft)         2626.86     400.56    1996.17
  Min Ch El (ft)            628.00    Shear (lb/sq ft)            0.01       0.01       0.01
  Alpha                       1.03    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    377911.30   18557.41   145129.70
  C & E Loss (ft)                     Cum SA (acres)           3424.91     114.91    1249.40


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 18864

INPUT
Description:
Station Elevation Data    num=      23
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     760     200     720     500     690     800     690     850     688
    1050     690    1300     711    1400     715    1600     711    2000     647
    2200     650    2600     646    2900     638    3300     638    4000     630
    4025     626    4150     626    4175     630    4750     650    4900     650
    5000     655    5050     657    5800     756
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4000     .15    4175     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4000    4175           172.67  172.67  172.67             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           172.67     172.67     172.67
  Crit W.S. (ft)                      Flow Area (sq ft)       361614.50   23415.16   142180.10
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            361614.50   23415.16   142180.10
  Q Total (cfs)           100293.10    Flow (cfs)              68331.05    5743.99   26218.07
  Top Width (ft)           5800.00    Top Width (ft)           4000.00     175.00    1625.00
  Vel Total (ft/s)            0.19    Avg. Vel. (ft/s)            0.19       0.25       0.18
  Max Chl Dpth (ft)         134.37    Hydr. Depth (ft)           90.40     133.80      87.50
  Conv. Total (cfs)       105693300.0    Conv. (cfs)            72010300.0   6053274.0   27629770.0
  Length Wtd. (ft)          172.67    Wetted Per. (ft)         4012.16     175.64    1636.39
  Min Ch El (ft)            626.00    Shear (lb/sq ft)            0.01       0.01       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    377488.10   18506.32   144921.00
  C & E Loss (ft)                     Cum SA (acres)           3420.44     114.52    1246.95


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 18691.3*

INPUT
Description:
Station Elevation Data    num=      47
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     760  279.17  724.22  510.48  705.62   638.1  699.52   638.1  696.86
  697.92     694  893.33     694 1020.95     690 1116.67     690 1186.46  688.67
 1465.62     690 1467.62  690.08 1563.33  690.59 1786.67  699.55 1814.58   700.3
 1914.29   700.9 1954.17  701.94 2233.33  701.22 2392.86  690.14 2488.57  681.16
 2552.38  677.95 2791.67  657.92 2871.43   657.9 3070.83  658.29 3254.29  656.46
 3445.71  656.21 3629.17  654.69 3828.57  651.46 4047.92  647.81 4083.81  647.67
 4402.86     642 4606.25  640.72  4721.9  639.37 5009.05   635.8 5232.38  634.58
 5583.33     630 5608.33     624 5716.67     624 5733.33     630 6044.44  639.43
 6346.67  646.57    6400  646.67 6506.67  646.67 6613.33     650 6666.67  651.33
 6755.56  658.67 7466.67     758

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 5583.33     .15 5733.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       5583.33 5733.33           172.67  172.67  172.67             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           172.67     172.67     172.67
  Crit W.S. (ft)                      Flow Area (sq ft)       492185.50   20330.89   156934.50
  E.G. Slope (ft/ft)      0.000001    Area (sq ft)            492185.50   20330.89   156934.50
  Q Total (cfs)           100286.30    Flow (cfs)              72758.85    3976.80   23550.65
  Top Width (ft)           7466.67    Top Width (ft)           5583.33     150.00    1733.34
  Vel Total (ft/s)            0.15    Avg. Vel. (ft/s)            0.15       0.20       0.15
  Max Chl Dpth (ft)         136.37    Hydr. Depth (ft)           88.15     135.54      90.54
  Conv. Total (cfs)       132975900.0    Conv. (cfs)            96475540.0   5273085.0   31227280.0
  Length Wtd. (ft)          172.67    Wetted Per. (ft)         5591.81     151.76    1743.22
  Min Ch El (ft)            624.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    375795.90   18419.61   144328.20
  C & E Loss (ft)                     Cum SA (acres)           3401.45     113.88    1240.30


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 18518.6*

INPUT
Description:
Station Elevation Data    num=      47
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     760  358.33  728.44  655.24  707.81  819.05  704.76  819.05  699.43
  895.83     698 1146.67     698 1310.48     690 1433.33     690 1522.92  689.33
 1881.25     690 1883.81  690.04 2006.67  685.29 2293.33  689.77 2329.17   689.6
 2457.14  687.95 2508.33  688.89 2866.67  691.44 3071.43  687.57 3194.29  680.58
 3276.19  681.48 3583.33  668.83 3685.71  667.95 3941.67  666.58 4177.14  664.23
 4422.86   665.1 4658.33  663.39 4914.29  660.73 5195.83  657.61  5241.9  657.33
 5651.43     646  5912.5  643.45 6060.95  641.68 6429.52   636.9 6716.19  636.29
 7166.67     630 7191.67     622 7283.33     622 7291.67     630 7622.22  638.71
 7943.33  643.13    8000  643.33 8113.33  643.33 8226.67     645 8283.33  645.67
 8377.78  649.33 9133.33     760

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 7166.67     .15 7291.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       7166.67 7291.67           172.67  172.67  172.67             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           172.67     172.67     172.67
  Crit W.S. (ft)                      Flow Area (sq ft)       615632.40   17163.20   172355.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            615632.40   17163.20   172355.00
  Q Total (cfs)           100277.70    Flow (cfs)              75226.82    2803.11   22247.77
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  Top Width (ft)           9133.33    Top Width (ft)           7166.67     125.00    1841.66
  Vel Total (ft/s)            0.12    Avg. Vel. (ft/s)            0.12       0.16       0.13
  Max Chl Dpth (ft)         138.37    Hydr. Depth (ft)           85.90     137.31      93.59
  Conv. Total (cfs)       158135400.0    Conv. (cfs)            118630800.0   4420437.0   35084160.0
  Length Wtd. (ft)          172.67    Wetted Per. (ft)         7175.69     129.47    1850.33
  Min Ch El (ft)            622.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    373600.20   18345.30   143675.60
  C & E Loss (ft)                     Cum SA (acres)           3376.17     113.33    1233.21


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 18346

INPUT
Description:
Station Elevation Data    num=      30
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     760     800     710    1000     710    1000     702    1400     702
    1600     690    2300     690    2450     680    2800     680    3000     675
    3750     685    3900     680    4000     685    4500     678    5100     672
    5400     674    6000     670    6400     667    6900     650    7400     644
    7850     638    8200     638    8750     630    8775     620    8850     620
    8850     630    9200     638    9600     640   10000     640   10800     762

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8750     .15    8850     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8750    8850              421     421     421             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    6400     670        F

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           421.00     421.00     421.00
  Crit W.S. (ft)                      Flow Area (sq ft)       731934.30   13912.25   188435.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            731934.30   13912.25   188435.00
  Q Total (cfs)           100267.50    Flow (cfs)              76621.72    1898.13    21747.65
  Top Width (ft)          10789.33    Top Width (ft)           8750.00     100.00    1939.33
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.14       0.12
  Max Chl Dpth (ft)         140.37    Hydr. Depth (ft)           83.65     139.12      97.17
  Conv. Total (cfs)       181320500.0    Conv. (cfs)            138560200.0   3432517.0   39327740.0
  Length Wtd. (ft)          421.00    Wetted Per. (ft)         8761.50     111.93    1948.55
  Min Ch El (ft)            620.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    370929.40   18283.71   142960.50
  C & E Loss (ft)                     Cum SA (acres)           3344.63     112.89    1225.72


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 17925

INPUT
Description:
Station Elevation Data    num=      20
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     770     800     680    1000     670    2300     670    2600     665
    3000     660    3650     662    4600     652    4700     650    6000     640
    6400     632    6420     629    6420     618    6600     618    6600     629
    7100     629    7700     638    8200     640    8300     640    9200     750

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    6420     .15    6600     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          6420    6600              414     414     414             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4200     670        F

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           414.00     414.00     414.00
  Crit W.S. (ft)                      Flow Area (sq ft)       606342.60   25627.03   273368.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            606342.60   25627.03   273368.20
  Q Total (cfs)           100242.90    Flow (cfs)              65554.63    3344.88    31343.40
  Top Width (ft)           9114.42    Top Width (ft)           6334.42     180.00    2600.00
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.11       0.13       0.11
  Max Chl Dpth (ft)         142.37    Hydr. Depth (ft)           95.72     142.37     105.14
  Conv. Total (cfs)       192090800.0    Conv. (cfs)            125619300.0   6409636.0   60061890.0
  Length Wtd. (ft)          414.00    Wetted Per. (ft)         6339.67     202.00    2617.14
  Min Ch El (ft)            618.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    364462.30   18092.64   140728.90
  C & E Loss (ft)                     Cum SA (acres)           3271.73     111.53    1203.78


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 17511

INPUT
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Description:
Station Elevation Data    num=      24
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     760     400     720     900     735    1400     710    2000     670
    2300     670    2300     659    2450     659    2450     670    3200     670
    3650     660    4000     660    4300     655    4800     657    5250     650
    6800     640    7000     630    7100     617    7200     617    7300     630
    8000     630    8400     632    9200     640   10000     768

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    7000     .15    7300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          7000    7300              441     441     441             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    5100     670       F

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           441.00     441.00     441.00
  Crit W.S. (ft)                      Flow Area (sq ft)       608931.10   41711.70   287787.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            608931.10   41711.70   287787.10
  Q Total (cfs)           100220.50    Flow (cfs)              61063.60    5711.45   33445.45
  Top Width (ft)           9952.33    Top Width (ft)           7000.00     300.00    2652.33
  Vel Total (ft/s)            0.11    Avg. Vel. (ft/s)            0.10       0.14       0.12
  Max Chl Dpth (ft)         143.37    Hydr. Depth (ft)           86.99     139.04     108.50
  Conv. Total (cfs)       193869700.0    Conv. (cfs)            118123400.0   11048410.0   64697940.0
  Length Wtd. (ft)          441.00    Wetted Per. (ft)         7027.04     301.68    2661.94
  Min Ch El (ft)            617.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.03    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    358687.20   17772.64   138062.20
  C & E Loss (ft)                     Cum SA (acres)           3208.37     109.25    1178.82

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 17070

INPUT
Description:
Station Elevation Data    num=      36
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     742     200     730     400     730     400     720     800     720
     800     710    1200     710    1200     705    1550     700    2000     700
    2050     680    2600     680    2800     670    3500     670    3600     660
    3800     660    3800     670    4200     672    5200     660    5800     648
    6400     652    7800     640    8100     640    8500     630    8510     616
    8690     616    8700     630    9800     630   10400     640   10700     640
   11100     670   11600     660   12200     660   12300     670   12500     670
   13600     790

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8500     .15    8700     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8500    8700              411     411     411             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    6300     670       F

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           411.00     411.00     411.00
  Crit W.S. (ft)                      Flow Area (sq ft)       758889.70   28734.46   469847.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            758889.70   28734.46   469847.60
  Q Total (cfs)           100191.70    Flow (cfs)              58022.43    2893.44   39275.83
  Top Width (ft)          13328.41    Top Width (ft)           8500.00     200.00    4628.41
  Vel Total (ft/s)            0.08    Avg. Vel. (ft/s)            0.08       0.10       0.08
  Max Chl Dpth (ft)         144.37    Hydr. Depth (ft)           89.28     143.67     101.51
  Conv. Total (cfs)       258125200.0    Conv. (cfs)            149484000.0   7454411.0   101186800.0
  Length Wtd. (ft)          411.00    Wetted Per. (ft)         8558.75     214.41    4635.13
  Min Ch El (ft)            616.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    351763.30   17416.04   134227.10
  C & E Loss (ft)                     Cum SA (acres)           3129.91     106.72    1141.97

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 16659

INPUT
Description:
Station Elevation Data    num=      26
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     760    1200     688    1550     680    1600     670    2100     670
    2450     660    2500     650    2800     650    2850     660    3150     664
    3700     661    4450     650    5200     645    6000     645    6500     640
    6800     640    7200     630    7250     612    7400     612    7400     630
    8400     630    9150     640    9350     640    9800     650   10000     650
   11200     785

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    7200     .15    7400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          7200    7400              492     492     492             .1       .3
Ineffective Flow     num=       1
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   Sta L   Sta R    Elev  Permanent
       0    4500     670       F

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)          492.00     492.00     492.00
  Crit W.S. (ft)                      Flow Area (sq ft)       681004.90   29224.44   376610.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            681004.90   29224.44   376610.00
  Q Total (cfs)           100163.30    Flow (cfs)              60821.95    3263.90    36077.45
  Top Width (ft)          10981.09    Top Width (ft)           7200.00     200.00    3581.09
  Vel Total (ft/s)            0.09    Avg. Vel. (ft/s)            0.09       0.11       0.10
  Max Chl Dpth (ft)         148.37    Hydr. Depth (ft)           94.58     146.12     105.17
  Conv. Total (cfs)       230500800.0    Conv. (cfs)            139966500.0   7511054.0   83023220.0
  Length Wtd. (ft)          492.00    Wetted Per. (ft)         7206.02     221.14    3587.45
  Min Ch El (ft)            612.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    344970.40   17142.61   130233.80
  C & E Loss (ft)                     Cum SA (acres)           3055.84     104.84    1103.24


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 16167

INPUT
Description:
Station Elevation Data    num=      22
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     762    1000     680    1200     673    1600     665    2300     660
    2800     658    2900     657    3000     650    3200     650    3200     660
    3600     660    5200     640    6400     640    6800     637    7200     630
    7250     611    7400     611    7410     630    8800     630    9600     638
   10000     650   10400     760

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    7200     .15    7410     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          7200    7410              568     568     568             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4500     670       F

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)          568.00     568.00     568.00
  Crit W.S. (ft)                      Flow Area (sq ft)       715645.10   30798.13   351012.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            715645.10   30798.13   351012.40
  Q Total (cfs)           100132.90    Flow (cfs)              62617.73    3334.19    34180.98
  Top Width (ft)          10380.15    Top Width (ft)           7180.15     210.00    2990.00
  Vel Total (ft/s)            0.09    Avg. Vel. (ft/s)            0.09       0.11       0.10
  Max Chl Dpth (ft)         149.37    Hydr. Depth (ft)           99.67     146.66     117.40
  Conv. Total (cfs)       243385600.0    Conv. (cfs)            152200300.0   8104174.0   83081160.0
  Length Wtd. (ft)          568.00    Wetted Per. (ft)         7194.11     224.96    3005.44
  Min Ch El (ft)            611.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    337083.00   16803.64   126124.60
  C & E Loss (ft)                     Cum SA (acres)           2974.63     102.52    1066.13


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 15599

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     760       0     750     300     750     700     680    1400     660
    2100     655    2600     655    3100     649    3400     649    3500     655
    4000     649    4400     649    4450     649    5000     649    5100     630
    5900     630    5900     632    6000     632    6100     629    6300     629
    6300     620    6500     620    6500     629    7400     629    7450     610
    7550     610    7700     629    9800     629   10800     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    7450     .15    7700     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          7450    7700              798     798     798             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4200     670       F

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)          798.00     798.00     798.00
  Crit W.S. (ft)                      Flow Area (sq ft)       795047.00   36168.02   333029.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            795047.00   36168.02   333029.10
  Q Total (cfs)           100097.90    Flow (cfs)              67208.63    3747.24    29142.03
  Top Width (ft)          10670.01    Top Width (ft)           7450.00     250.00    2970.01
  Vel Total (ft/s)            0.09    Avg. Vel. (ft/s)            0.08       0.10       0.09
  Max Chl Dpth (ft)         150.37    Hydr. Depth (ft)          106.72     144.67     112.13
  Conv. Total (cfs)       262914100.0    Conv. (cfs)            176528200.0   9842384.0   76543570.0
  Length Wtd. (ft)          798.00    Wetted Per. (ft)         7492.33     251.20    2979.88
  Min Ch El (ft)            610.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    327233.70   16367.04   121664.90
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  C & E Loss (ft)                     Cum SA (acres)          2879.25      99.52    1027.27

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 14801

INPUT
Description:
Station Elevation Data    num=      22
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     755     700     700    1300     660    2300     650    3600     650
    4000     640    4300     640    4900     660    6200     660    6400     640
    6800     640    7700     620    7750     609    7890     609    7900     620
    8000     625    8400     625    9600     630   10000     635   10200     650
   10900     780   11200     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    7700     .15    7900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          7700    7900              478     478     478             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4400     670        F

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           478.00     478.00     478.00
  Crit W.S. (ft)                      Flow Area (sq ft)       786614.50   29944.40   334903.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            786614.50   29944.40   334903.30
  Q Total (cfs)           100047.60    Flow (cfs)              66253.14    3192.93   30601.53
  Top Width (ft)          10794.31    Top Width (ft)           7700.00     200.00    2894.31
  Vel Total (ft/s)            0.09    Avg. Vel. (ft/s)            0.08       0.11       0.09
  Max Chl Dpth (ft)         151.37    Hydr. Depth (ft)          102.16     149.72     115.71
  Conv. Total (cfs)       256910800.0    Conv. (cfs)            170130500.0   8199078.0   78581230.0
  Length Wtd. (ft)          478.00    Wetted Per. (ft)         7710.59     206.06    2905.20
  Min Ch El (ft)            609.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    312746.00   15761.47   115546.70
  C & E Loss (ft)                     Cum SA (acres)           2740.47      95.40     973.55

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 14323

INPUT
Description:
Station Elevation Data    num=      19
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     900     670    2000     650    3800     650    4500     660
    4800     660    5000     663    5200     663    5900     658    6700     658
    7100     638    8000     620    8050     608    8250     608    8300     620
    9300     622    9700     622   10000     624   11200     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8000     .15    8300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8000    8300              402     402     402             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4350     670        F

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           402.00     402.00     402.00
  Crit W.S. (ft)                      Flow Area (sq ft)       826025.10   45111.57   307460.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            826025.10   45111.57   307460.30
  Q Total (cfs)           100016.30    Flow (cfs)              68358.36    4783.47   26874.46
  Top Width (ft)          11049.01    Top Width (ft)           8000.00     300.00    2749.02
  Vel Total (ft/s)            0.08    Avg. Vel. (ft/s)            0.08       0.11       0.09
  Max Chl Dpth (ft)         152.37    Hydr. Depth (ft)          103.25     150.37     111.84
  Conv. Total (cfs)       262564500.0    Conv. (cfs)            179455500.0   12557660.0   70551300.0
  Length Wtd. (ft)          402.00    Wetted Per. (ft)         8042.73     302.84    2757.85
  Min Ch El (ft)            608.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    303898.00   15349.66   112022.30
  C & E Loss (ft)                     Cum SA (acres)           2654.33      92.66     942.59

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 13921

INPUT
Description:
Station Elevation Data    num=      15
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     800     670    1800     650    3300     650    4500     670
    5100     668    6100     660    7200     630    8100     620    8150     607
    8350     607    8400     620    9500     622   10000     630   10800     770

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
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       0     .15    8100     .15    8400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8100    8400              417     417     417             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4350     670       F

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           417.00     417.00     417.00
  Crit W.S. (ft)                      Flow Area (sq ft)       838611.80   45361.55   269057.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            838611.80   45361.55   269057.30
  Q Total (cfs)           99989.66    Flow (cfs)              70761.76    4908.18   24319.72
  Top Width (ft)          10744.98    Top Width (ft)           8100.00     300.00    2344.98
  Vel Total (ft/s)            0.09    Avg. Vel. (ft/s)            0.08       0.11       0.09
  Max Chl Dpth (ft)         153.37    Hydr. Depth (ft)          103.53     151.21     114.74
  Conv. Total (cfs)       257916700.0    Conv. (cfs)            182525200.0   12660330.0   62731100.0
  Length Wtd. (ft)          417.00    Wetted Per. (ft)         8142.80     303.32    2356.37
  Min Ch El (ft)            607.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    296216.80   14932.18   109362.10
  C & E Loss (ft)                     Cum SA (acres)           2580.04      89.89     919.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 13504

INPUT
Description:
Station Elevation Data    num=      18
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     800     670    2000     650    2750     650    3200     662
    4100     662    4400     670    5100     670    6200     660    6900     632
    8300     620    8350     606    8450     606    8500     620    9600     620
   10000     630   10600     770   10800     770

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8300     .15    8500     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8300    8500              450     450     450             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4350     670       F

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           450.00     450.00     450.00
  Crit W.S. (ft)                      Flow Area (sq ft)       855686.20   30174.37   244979.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            855686.20   30174.37   244979.50
  Q Total (cfs)           99962.59    Flow (cfs)              73523.14    3311.14   23128.31
  Top Width (ft)          10558.74    Top Width (ft)           8300.00     200.00    2058.74
  Vel Total (ft/s)            0.09    Avg. Vel. (ft/s)            0.09       0.11       0.09
  Max Chl Dpth (ft)         154.37    Hydr. Depth (ft)          103.09     150.87     119.00
  Conv. Total (cfs)       252518200.0    Conv. (cfs)            185728800.0   8364358.0   58425050.0
  Length Wtd. (ft)          450.00    Wetted Per. (ft)         8343.02     203.85    2073.87
  Min Ch El (ft)            606.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    288107.10   14570.63   106901.60
  C & E Loss (ft)                     Cum SA (acres)           2501.54      87.49     898.01


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 13054

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720    1100     670    1500     660    2000     650    2700     650
    2900     660    3200     660    3700     670    5200     670    6100     660
    6800     640    7200     628    7500     628    8300     620    8350     604
    8450     604    8500     620    9600     620   10000     630   10600     770
   10800     770

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8300     .15    8500     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8300    8500              341     341     341             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4350     670       F

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           341.00     341.00     341.00
  Crit W.S. (ft)                      Flow Area (sq ft)       836885.10   30474.34   244979.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            836885.10   30474.34   244979.20
  Q Total (cfs)           99933.59    Flow (cfs)              72744.59    3443.14   23745.86
  Top Width (ft)          10558.74    Top Width (ft)           8300.00     200.00    2058.74
  Vel Total (ft/s)            0.09    Avg. Vel. (ft/s)            0.09       0.11       0.10
  Max Chl Dpth (ft)         156.37    Hydr. Depth (ft)          100.83     152.37     119.00
  Conv. Total (cfs)       245879300.0    Conv. (cfs)            178982800.0   8471597.0   58424950.0
  Length Wtd. (ft)          341.00    Wetted Per. (ft)         8342.64     205.00    2073.87
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  Min Ch El (ft)            604.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    279364.40   14257.36   104370.80
  C & E Loss (ft)                     Cum SA (acres)           2415.80      85.43     876.74


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 12713

INPUT
Description:
Station Elevation Data    num=      19
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     800     670    1700     655    2000     652    2400     655
    3200     670    3600     670    4000     675    4800     675    5800     660
    7100     630    7600     630    8200     620    8250     603    8350     603
    8400     620    9500     620    9800     630   10200     765

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8200     .15    8400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8200    8400              412     412     412              .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4200     670       F

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           412.00     412.00     412.00
  Crit W.S. (ft)                      Flow Area (sq ft)       822346.90   30624.32   220200.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            822346.90   30624.32   220200.60
  Q Total (cfs)           99912.28    Flow (cfs)              73762.17    3588.03   22562.08
  Top Width (ft)          10186.29    Top Width (ft)           8200.00     200.00    1786.29
  Vel Total (ft/s)            0.09    Avg. Vel. (ft/s)            0.09       0.12       0.10
  Max Chl Dpth (ft)         157.37    Hydr. Depth (ft)          100.29     153.12     123.27
  Conv. Total (cfs)       237354700.0    Conv. (cfs)            175231700.0   8523832.0   53599180.0
  Length Wtd. (ft)          412.00    Wetted Per. (ft)         8242.80     205.62    1807.86
  Min Ch El (ft)            603.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.02    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    272870.00   14018.21   102550.10
  C & E Loss (ft)                     Cum SA (acres)           2351.22      83.86     861.69


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 12301

INPUT
Description:
Station Elevation Data    num=      24
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680     950     660    2200     660    2800     662
    3200     670    3600     670    4000     680    4800     680    6000     650
    7200     632    7600     632    8300     620    8450     620    8600     601
    8750     601    8800     620    9200     620    9300     610    9500     610
    9650     620    9800     620   10400     760   10600     760

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8450     .15    8800     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8450    8800              736     736     736              .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4200     670       F

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           736.00     736.00     736.00
  Crit W.S. (ft)                      Flow Area (sq ft)       849439.30   53880.03   185918.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            849439.30   53880.03   185918.70
  Q Total (cfs)           99887.00    Flow (cfs)              76482.54    6410.16   16994.30
  Top Width (ft)          10600.00    Top Width (ft)           8450.00     350.00    1800.00
  Vel Total (ft/s)            0.09    Avg. Vel. (ft/s)            0.09       0.12       0.09
  Max Chl Dpth (ft)         159.37    Hydr. Depth (ft)          100.53     153.94     103.29
  Conv. Total (cfs)       236788400.0    Conv. (cfs)            181306700.0   15195680.0   40286060.0
  Length Wtd. (ft)          736.00    Wetted Per. (ft)         8493.10     354.69    1817.32
  Min Ch El (ft)            601.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.02    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    264963.90   13618.58   100629.50
  C & E Loss (ft)                     Cum SA (acres)           2272.48      81.26     844.73


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 11565

INPUT
Description:
Station Elevation Data    num=      23
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     800     668     850     670    1200     670    2000     660
    2800     660    3200     670    3900     680    5200     680    5900     650
    6800     632    7100     628    7400     628    8300     622    8500     618
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    8800     618    9000     617    9050     600    9200     600    9400     620
   10100     620   10800     730   11600     755

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9000     .15    9400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9000    9400              154     154     154             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    3200     670       F

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           154.00     154.00     154.00
  Crit W.S. (ft)                      Flow Area (sq ft)       922492.60   61723.56   172317.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            922492.60   61723.56   172317.10
  Q Total (cfs)           99839.77    Flow (cfs)              80284.88    7034.19   12520.70
  Top Width (ft)          11600.00    Top Width (ft)           9000.00     400.00    2200.00
  Vel Total (ft/s)            0.09    Avg. Vel. (ft/s)            0.09       0.11       0.07
  Max Chl Dpth (ft)         160.37    Hydr. Depth (ft)          102.50     154.31      78.33
  Conv. Total (cfs)       248100800.0    Conv. (cfs)            199507100.0   17479880.0   31113820.0
  Length Wtd. (ft)          154.00    Wetted Per. (ft)         9043.27     403.81    2214.35
  Min Ch El (ft)            600.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.03    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    249994.40   12641.95   97603.05
  C & E Loss (ft)                     Cum SA (acres)           2125.06      74.92     810.94


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 11411

INPUT
Description:
Station Elevation Data    num=      23
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     675    1000     670    1400     670    2000     660
    2800     660    3200     670    3900     680    5200     680    5900     650
    6800     632    7100     628    7400     628    8300     622    8500     618
    8800     618    9000     617    9050     599    9200     599    9400     620
   10100     620   10800     730   11600     755

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9000     .15    9400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9000    9400              409     409     409             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    3400     670       F

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           409.00     409.00     409.00
  Crit W.S. (ft)                      Flow Area (sq ft)       923141.40   61998.51   172316.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            923141.40   61998.51   172316.80
  Q Total (cfs)           99829.67    Flow (cfs)              80257.25    7070.71   12501.71
  Top Width (ft)          11600.00    Top Width (ft)           9000.00     400.00    2200.00
  Vel Total (ft/s)            0.09    Avg. Vel. (ft/s)            0.09       0.11       0.07
  Max Chl Dpth (ft)         161.37    Hydr. Depth (ft)          102.57     155.00      78.33
  Conv. Total (cfs)       248451900.0    Conv. (cfs)            199740900.0   17597290.0   31113730.0
  Length Wtd. (ft)          409.00    Wetted Per. (ft)         9043.28     404.24    2214.35
  Min Ch El (ft)            599.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.03    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    246731.90   12423.25   96993.84
  C & E Loss (ft)                     Cum SA (acres)           2093.24      73.51     803.16


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 11002

INPUT
Description:
Station Elevation Data    num=      18
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     740     100     740    1300     660    2400     655    3600     680
    4500     680    5200     650    6400     630    6800     630    8100     620
    8200     618    8250     601    8400     598    8500     598    8900     620
    9400     620   10200     730   10800     760

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8200     .15    8500     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8200    8500              424     424     424             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    3550     670       F

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           424.00     424.00     424.00
  Crit W.S. (ft)                      Flow Area (sq ft)       824893.90   47911.36   208253.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            824893.90   47911.36   208253.80
  Q Total (cfs)           99804.81    Flow (cfs)              75961.63    5978.33   17864.86
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  Top Width (ft)          10800.00    Top Width (ft)          8200.00     300.00    2300.00
  Vel Total (ft/s)            0.09    Avg. Vel. (ft/s)           0.09       0.12       0.09
  Max Chl Dpth (ft)         162.37    Hydr. Depth (ft)         100.60     159.70      90.55
  Conv. Total (cfs)       231773200.0    Conv. (cfs)           176403000.0   13883270.0   41486920.0
  Length Wtd. (ft)          424.00    Wetted Per. (ft)        8224.17     302.84    2309.25
  Min Ch El (ft)            598.00    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.02    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   238525.50   11907.26   95207.19
  C & E Loss (ft)                     Cum SA (acres)          2012.49      70.22     782.03


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 10578

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     750     400     720     800     720    1800     660    2000     660
    2400     650    3700     660    4100     680    4500     680    5200     650
    6400     630    7200     630    7600     622    8400     620    8500     597
    8600     597    8650     610    9400     620    9900     620   10400     710
   10800     750

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8400     .15    8650     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8400    8650              266     266     266              .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4200     670       F

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           266.00     266.00     266.00
  Crit W.S. (ft)                      Flow Area (sq ft)       844918.30   39367.80   239048.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            844918.30   39367.80   239048.10
  Q Total (cfs)           99780.80    Flow (cfs)              73201.12    4552.24   22027.43
  Top Width (ft)          10800.00    Top Width (ft)           8400.00     250.00    2150.00
  Vel Total (ft/s)            0.09    Avg. Vel. (ft/s)           0.09       0.12       0.09
  Max Chl Dpth (ft)         163.37    Hydr. Depth (ft)         100.59     157.47     111.19
  Conv. Total (cfs)       246467800.0    Conv. (cfs)           180813500.0   11244460.0   54409800.0
  Length Wtd. (ft)          266.00    Wetted Per. (ft)        8414.85     254.27    2170.47
  Min Ch El (ft)            597.00    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   230398.80   11482.49   93030.23
  C & E Loss (ft)                     Cum SA (acres)          1931.70      67.55     760.38


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 10312

INPUT
Description:
Station Elevation Data    num=      24
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     730     400     710     600     710     700     700    1100     700
    2400     660    2600     650    3600     650    4400     680    4800     680
    5600     648    6200     630    7400     630    8000     620    8400     620
    8600     610    8650     596    8700     596    8750     610    9300     615
    9700     620   10200     620   10800     710   11700     750

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8600     .15    8750     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8600    8750              289     289     289              .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4400     670       F

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           289.00     289.00     289.00
  Crit W.S. (ft)                      Flow Area (sq ft)       873091.40   23955.66   293219.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            873091.40   23955.66   293219.80
  Q Total (cfs)           99765.36    Flow (cfs)              72967.82    2669.71   24127.83
  Top Width (ft)          11700.00    Top Width (ft)           8600.00     150.00    2950.00
  Vel Total (ft/s)            0.08    Avg. Vel. (ft/s)           0.08       0.11       0.08
  Max Chl Dpth (ft)         164.37    Hydr. Depth (ft)         101.52     159.70      99.40
  Conv. Total (cfs)       256670400.0    Conv. (cfs)           187727300.0   6868471.0   62074630.0
  Length Wtd. (ft)          289.00    Wetted Per. (ft)        8634.04     153.85    2968.03
  Min Ch El (ft)            596.00    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)   225153.20   11289.14   91405.09
  C & E Loss (ft)                     Cum SA (acres)          1879.80      66.33     744.80


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 10023

INPUT
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Description:
Station Elevation Data    num=      24
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     730     800     680    1600     658    2200     649    2800     645
    3100     649    3500     680    3700     680    4000     660    5200     630
    5800     630    6000     628    6000     630    6600     630    7200     620
    7400     610    7450     595    7575     595    7600     610    7800     612
    8500     615    8900     620    9300     620   10400     745

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    7400     .15    7600     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          7400    7600              832     832     832             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    3550     670        F

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           832.00     832.00     832.00
  Crit W.S. (ft)                      Flow Area (sq ft)       796545.10   32511.69   331638.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            796545.10   32511.69   331638.70
  Q Total (cfs)           99748.58    Flow (cfs)              66692.46    3520.81   29535.30
  Top Width (ft)          10400.00    Top Width (ft)           7400.00     200.00    2800.00
  Vel Total (ft/s)            0.09    Avg. Vel. (ft/s)            0.08       0.11       0.09
  Max Chl Dpth (ft)         165.37    Hydr. Depth (ft)          107.64     162.56     118.44
  Conv. Total (cfs)       266167800.0    Conv. (cfs)            177961300.0   9394884.0   78811610.0
  Length Wtd. (ft)          832.00    Wetted Per. (ft)         7436.93     206.36    2822.50
  Min Ch El (ft)            595.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    219614.60   11101.83   89332.27
  C & E Loss (ft)                     Cum SA (acres)           1826.72      65.17     725.73


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 9191

INPUT
Description:
Station Elevation Data    num=      25
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     730     400     720     800     730    2000     677    3600     640
    4400     640    4600     654    5200     640    5600     640    6300     630
    6400     630    6800     620    7100     620    7950     612    8050     612
    8200     610    8250     594    8300     594    8350     610    9800     618
   10000     620   10300     630   10900     700   11100     690   11900     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8250     .15    8350     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8250    8350              382     382     382             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4660     670        F

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           382.00     382.00     382.00
  Crit W.S. (ft)                      Flow Area (sq ft)       859609.00   16237.08   387716.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            859609.00   16237.08   387716.30
  Q Total (cfs)           99700.82    Flow (cfs)              66936.01    1676.53   31088.28
  Top Width (ft)          11900.00    Top Width (ft)           8250.00     100.00    3550.00
  Vel Total (ft/s)            0.08    Avg. Vel. (ft/s)            0.08       0.10       0.08
  Max Chl Dpth (ft)         166.37    Hydr. Depth (ft)          104.20     162.37     109.22
  Conv. Total (cfs)       280045000.0    Conv. (cfs)            188013500.0   4709136.0   87322440.0
  Length Wtd. (ft)          382.00    Wetted Per. (ft)         8285.62     102.50    3576.45
  Min Ch El (ft)            594.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.00    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    203798.30   10636.27   82462.39
  C & E Loss (ft)                     Cum SA (acres)           1677.26      62.30     665.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 8809

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     728     800     700     950     700    1000     690    1600     690
    1625     680    2000     680    3200     650    3500     650    4000     640
    4400     640    4700     630    5000     628    5200     632    5600     630
    6000     628    6500     628    6600     623    7200     618    8400     616
    8800     610    9000     610    9100     593    9150     593    9200     610
   10900     620   11200     630   11300     630   11600     700   11900     700
   12100     680   12800     735   13000     730

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9000     .15    9200     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9000    9200              527     527     527             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    5800     670        F
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CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)          527.00     527.00     527.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1009112.00   32199.16   404159.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1009112.00   32199.16   404159.10
  Q Total (cfs)           99677.17    Flow (cfs)              69946.77    2808.75   26921.65
  Top Width (ft)          13000.00    Top Width (ft)           9000.00     200.00    3800.00
  Vel Total (ft/s)            0.07    Avg. Vel. (ft/s)            0.07       0.09       0.07
  Max Chl Dpth (ft)         167.37    Hydr. Depth (ft)         112.12     161.00     106.36
  Conv. Total (cfs)       330338200.0    Conv. (cfs)            231809200.0   9308424.0   89220510.0
  Length Wtd. (ft)          527.00    Wetted Per. (ft)         9036.67     204.25    3841.84
  Min Ch El (ft)            593.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    195604.40   10423.89   78990.21
  C & E Loss (ft)                     Cum SA (acres)           1601.63      60.99     632.86


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 8282

INPUT
Description:
Station Elevation Data    num=      31
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     725     800     705    1000     708    1400     690    1500     690
    1900     700    2800     660    3100     660    3200     656    4000     640
    4500     640    4800     630    6400     630    6700     619    7200     611
    7600     611    8500     609    9100     609    9150     592    9200     592
    9250     609    9600     609   10800     620   11400     640   11600     665
   11700     648   11700     650   12100     650   12200     660   12400     660
   13200     720

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9100     .15    9250     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9100    9250              604     604     604             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    6000     670        F

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)          604.00     604.00     604.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1013124.00   24405.62   469264.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1013124.00   24405.62   469264.60
  Q Total (cfs)           99642.21    Flow (cfs)              65925.45    2001.14   31715.63
  Top Width (ft)          13200.00    Top Width (ft)           9100.00     150.00    3950.00
  Vel Total (ft/s)            0.07    Avg. Vel. (ft/s)            0.07       0.08       0.07
  Max Chl Dpth (ft)         168.37    Hydr. Depth (ft)         111.33     162.70     118.80
  Conv. Total (cfs)       350084500.0    Conv. (cfs)            231623500.0   7030825.0   111430200.0
  Length Wtd. (ft)          604.00    Wetted Per. (ft)         9137.74     155.62    3998.49
  Min Ch El (ft)            592.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.00    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    183371.60   10081.48   73706.76
  C & E Loss (ft)                     Cum SA (acres)           1492.14      58.87     585.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 7678

INPUT
Description:
Station Elevation Data    num=      29
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     400     704     800     718    2000     665    2400     665
    3200     640    3500     640    4000     630    5000     630    5100     624
    5500     630    5900     620    6700     614    7600     614    8000     605
    8350     600    8400     591    8600     591    8700     600    8800     609
    9600     609   10300     620   10500     620   10800     636   11000     631
   12000     696   12400     670   12600     670   13000     706

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8350     .15    8700     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8350    8700              308     308     308             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    5200     670        F

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)          308.00     308.00     308.00
  Crit W.S. (ft)                      Flow Area (sq ft)       958220.60   58604.75   506794.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            958220.60   58604.75   506794.10
  Q Total (cfs)           99601.52    Flow (cfs)              61709.52    4860.75   33031.25
  Top Width (ft)          13000.00    Top Width (ft)           8350.00     350.00    4300.00
  Vel Total (ft/s)            0.07    Avg. Vel. (ft/s)            0.06       0.08       0.07
  Max Chl Dpth (ft)         169.37    Hydr. Depth (ft)         114.76     167.44     117.86
  Conv. Total (cfs)       360560700.0    Conv. (cfs)            223390400.0   17596080.0   119574200.0
  Length Wtd. (ft)          308.00    Wetted Per. (ft)         8393.11     351.21    4359.92
  Min Ch El (ft)            591.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    169704.30    9505.98   66939.77
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  C & E Loss (ft)                     Cum SA (acres)          1371.16      55.40     528.78

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 7370

INPUT
Description:
Station Elevation Data    num=      26
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     715     800     671    1000     670    1200     670    1600     650
    2000     640    2400     640    2800     630    3800     630    4200     620
    4800     620    5000     610    6400     610    7100     600    7550     600
    7600     590    7700     590    7800     600    8200     600    8300     610
    8800     610    9700     620   10700     670   11000     680   11600     730
   12000     730

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    7550     .15    7800     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          7550    7800              671     671     671             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4000     670       F

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           671.00     671.00     671.00
  Crit W.S. (ft)                      Flow Area (sq ft)       963798.90   41842.68   472057.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            963798.90   41842.68   472057.00
  Q Total (cfs)           99581.36    Flow (cfs)              66325.92    3450.25   29805.19
  Top Width (ft)          12000.00    Top Width (ft)           7550.00     250.00    4200.00
  Vel Total (ft/s)            0.07    Avg. Vel. (ft/s)            0.07       0.08       0.06
  Max Chl Dpth (ft)         170.37    Hydr. Depth (ft)         127.66     167.37     112.39
  Conv. Total (cfs)       361897000.0    Conv. (cfs)           241040600.0   12538840.0   108317500.0
  Length Wtd. (ft)          671.00    Wetted Per. (ft)         7597.78     251.49    4234.42
  Min Ch El (ft)            590.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    162909.30    9150.86   63479.19
  C & E Loss (ft)                     Cum SA (acres)           1314.94      53.28     498.73

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 6699

INPUT
Description:
Station Elevation Data    num=      26
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     716     800     676    1600     650    1800     650    2200     640
    2600     640    3000     629    3600     629    3800     632    4400     620
    4800     620    5200     614    5400     614    5600     610    6900     610
    7400     605    7700     600    8000     600    8100     589    8300     589
    8400     600    8800     610    9600     610   10800     638   11400     638
   12200     720

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8000     .15    8400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8000    8400              838     838     838             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4000     670       F

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           838.00     838.00     838.00
  Crit W.S. (ft)                      Flow Area (sq ft)      1021365.00   67448.24   484608.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)           1021365.00   67448.24   484608.30
  Q Total (cfs)           99537.76    Flow (cfs)              64140.59    5108.23   30288.93
  Top Width (ft)          12200.00    Top Width (ft)           8000.00     400.00    3800.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.08       0.06
  Max Chl Dpth (ft)         171.37    Hydr. Depth (ft)         127.67     168.62     127.53
  Conv. Total (cfs)       396576800.0    Conv. (cfs)           255548000.0   20352120.0   120676700.0
  Length Wtd. (ft)          838.00    Wetted Per. (ft)         8046.36     401.21    3845.01
  Min Ch El (ft)            589.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    147619.50    8309.10   56110.93
  C & E Loss (ft)                     Cum SA (acres)           1195.18      48.27     437.12

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 5861

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     718     800     680    1600     652    2000     640    2200     640
    2400     645    2700     645    3000     638    3300     638    3400     640
    4000     640    4100     630    4400     630    4800     620    6400     610
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    7400     610    8000     600    8350     600    8400     588    8600     588
    8700     600    9100     600    9600     610   10700     610   10900     620
   11100     620   11200     628   11300     620   11700     620   11800     630
   12400     630   13200     733

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8350     .15    8700     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8350    8700              667     667     667             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           667.00     667.00     667.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1047444.00   59429.67   602667.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1047444.00   59429.67   602667.20
  Q Total (cfs)           99479.59    Flow (cfs)              59589.21    4135.13   35755.25
  Top Width (ft)          13200.00    Top Width (ft)           8350.00     350.00    4500.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.07       0.06
  Max Chl Dpth (ft)         172.37    Hydr. Depth (ft)          125.44     169.80     133.93
  Conv. Total (cfs)       432526700.0    Conv. (cfs)            259087600.0   17979110.0   155460000.0
  Length Wtd. (ft)          667.00    Wetted Per. (ft)         8394.85     352.14    4535.46
  Min Ch El (ft)            588.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    127719.80    7088.67   45652.52
  C & E Loss (ft)                     Cum SA (acres)           1037.91      41.06     357.28


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 5194

INPUT
Description:
Station Elevation Data    num=      31
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     718     800     678     900     670    1200     670    1500     660
    1600     660    2000     642    2200     642    2400     649    2800     642
    3200     642    3800     640    4000     640    4200     642    5100     618
    5300     618    6000     612    6400     610    8200     610    8250     587
    8400     587    8650     598    8800     600    9700     600   10000     610
   10400     610   10600     615   10800     615   11000     620   11600     710
   12000     750

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8200     .15    8650     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8200    8650              474     474     474             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           474.00     474.00     474.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1005538.00   76066.70   431890.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1005538.00   76066.70   431890.90
  Q Total (cfs)           99434.73    Flow (cfs)              64681.11    6035.41   28718.20
  Top Width (ft)          12000.00    Top Width (ft)           8200.00     450.00    3350.00
  Vel Total (ft/s)            0.07    Avg. Vel. (ft/s)            0.06       0.08       0.07
  Max Chl Dpth (ft)         173.37    Hydr. Depth (ft)          122.63     169.04     128.92
  Conv. Total (cfs)       376595000.0    Conv. (cfs)            244970600.0   22858280.0   108766200.0
  Length Wtd. (ft)          474.00    Wetted Per. (ft)         8244.81     455.28    3369.38
  Min Ch El (ft)            587.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    112002.00    6051.30   37731.83
  C & E Loss (ft)                     Cum SA (acres)            911.20      34.93     297.18


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 4720

INPUT
Description:
Station Elevation Data    num=      31
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     718    1000     670    1400     660    1800     660    2000     650
    2300     650    2500     655    2700     655    2800     650    3200     650
    3600     645    3900     640    4000     640    4200     650    4400     650
    4450     640    5200     615    5400     615    6500     612    6700     612
    6800     610    8700     610    8800     585    8900     585    9100     600
    9600     600   10800     610   11600     620   12000     710   13000     760
   13200     760

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8700     .15    9100     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8700    9100             46.5    46.5    46.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            46.50      46.50      46.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1060498.00   67398.17   446518.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1060498.00   67398.17   446518.80
  Q Total (cfs)           99404.42    Flow (cfs)              67628.25    5319.83   26456.34
  Top Width (ft)          13200.00    Top Width (ft)           8700.00     400.00    4100.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.08       0.06
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  Max Chl Dpth (ft)          175.37    Hydr. Depth (ft)          121.90     168.50     108.91
  Conv. Total (cfs)        378294500.0    Conv. (cfs)            257366800.0   20245190.0   100682500.0
  Length Wtd. (ft)            46.50    Wetted Per. (ft)         8745.84     403.64    4111.72
  Min Ch El (ft)             585.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                        1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    100761.20    5270.74   32952.61
  C & E Loss (ft)                      Cum SA (acres)            819.25      30.31     256.64


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 4673.5*

INPUT
Description:
Station Elevation Data    num=      50
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   718.2  760.87  681.52 1005.75  669.97 1236.41  663.84 1331.52  661.91
 1408.05  660.23 1616.85   660.3 1810.34  659.42 1902.17  654.89 2011.49     650
 2092.39     650  2187.5     651 2313.22     651 2472.83  654.57 2514.37  655.44
 2715.52  655.14 2816.09  650.48 3218.39  649.88 3620.69  644.78 3804.35  641.76
 3922.41     640 4022.99     640 4224.14     649    4375     649 4425.29  648.95
 4475.57  639.89 4565.22  637.13 4755.43  629.65 5229.89  615.08 5326.09     615
 5431.03  614.93 6086.96   612.9 6537.36   611.8 6657.61   611.8 6738.51  611.71
 6839.08  609.81 6847.83   609.8    8750   609.8    8860   584.9    8960   584.9
    9170     600 9651.71  600.21 10807.8  609.7211448.85  617.4911578.54  619.28
11904.62  688.54 11963.9  701.5912816.15  749.8112927.32  756.28   13120   758.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8750     .15    9170     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8750    9170             46.5    46.5    46.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)             760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             760.37    Reach Len. (ft)            46.50      46.50      46.50
  Crit W.S. (ft)                       Flow Area (sq ft)       1067711.00   70742.57   438884.60
  E.G. Slope (ft/ft)       0.000000    Area (sq ft)            1067711.00   70742.57   438884.60
  Q Total (cfs)            99401.40    Flow (cfs)              67680.45    5549.17   26171.79
  Top Width (ft)           13120.00    Top Width (ft)           8750.00     420.00    3950.00
  Vel Total (ft/s)             0.06    Avg. Vel. (ft/s)            0.06       0.08       0.06
  Max Chl Dpth (ft)          175.47    Hydr. Depth (ft)          122.02     168.43     111.11
  Conv. Total (cfs)        380850000.0    Conv. (cfs)            259313300.0   21261270.0   100275500.0
  Length Wtd. (ft)            46.50    Wetted Per. (ft)         8795.35     423.33    3962.23
  Min Ch El (ft)             584.90    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                        1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    99625.25    5197.00   32480.03
  C & E Loss (ft)                      Cum SA (acres)            809.94      29.87     252.35


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 4627.*

INPUT
Description:
Station Elevation Data    num=      50
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   718.4  765.22  681.35 1011.49  669.94 1243.48  663.41 1339.13  661.92
 1416.09  660.45 1626.09   660.6 1820.69  658.84 1913.04  654.35 2022.99     650
 2104.35     650    2200     652 2326.44     652 2486.96  655.17 2528.74  655.88
 2731.03  655.27 2832.18  650.97 3236.78  649.76 3641.38  644.55 3826.09  641.57
 3944.83     640 4045.98     640 4248.28     648    4400     648 4450.57  647.89
 4501.15  639.79  4591.3  637.22 4782.61  628.58 5259.77  615.17 5356.52     615
 5462.07  614.86 6121.74  612.58 6574.71   611.6 6695.65   611.6 6777.01  611.43
 6878.16  609.62 6886.96   609.6    8800   609.6    8920   584.8    9020   584.8
    9240     600 9703.42  600.4210815.61  609.4411432.31  616.6511557.07  618.57
11870.77  680.92 11927.8  693.1712747.69  745.3812854.63  752.56   13040     757

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8800     .15    9240     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8800    9240             46.5    46.5    46.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)             760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             760.37    Reach Len. (ft)            46.50      46.50      46.50
  Crit W.S. (ft)                       Flow Area (sq ft)       1074937.00   74090.99   430601.40
  E.G. Slope (ft/ft)       0.000000    Area (sq ft)            1074937.00   74090.99   430601.40
  Q Total (cfs)            99398.38    Flow (cfs)              67768.71    5778.57   25851.10
  Top Width (ft)           13040.00    Top Width (ft)           8800.00     440.00    3800.00
  Vel Total (ft/s)             0.06    Avg. Vel. (ft/s)            0.06       0.08       0.06
  Max Chl Dpth (ft)          175.57    Hydr. Depth (ft)          122.15     168.39     113.32
  Conv. Total (cfs)        383203600.0    Conv. (cfs)            261264000.0   22277730.0   99661940.0
  Length Wtd. (ft)            46.50    Wetted Per. (ft)         8844.92     443.06    3812.86
  Min Ch El (ft)             584.80    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                        1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    98481.62    5119.70   32015.94
  C & E Loss (ft)                      Cum SA (acres)            800.57      29.41     248.21


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 4580.5*
```

```
INPUT
Description:
Station Elevation Data    num=      50
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   718.6  769.57  681.18 1017.24  669.91 1250.54  662.99 1346.74  661.93
 1424.14  660.68 1635.33   660.9 1831.03  658.26 1923.91   653.8 2034.48     650
  2116.3     650  2212.5     653 2339.66     653 2501.09  655.78  2543.1  656.31
 2746.55  655.41 2848.28  651.45 3255.17  649.64 3662.07  644.33 3847.83  641.37
 3967.24     640 4068.97     640 4272.41     647    4425     647 4475.86  646.84
 4526.72  639.68 4617.39  637.32 4809.78  627.51 5289.66  615.25 5386.96     615
  5493.1  614.79 6156.52  612.25 6612.07   611.4  6733.7   611.4 6815.52  611.14
 6917.24  609.43 6926.09   609.4    8850   609.4    8980   584.7    9080   584.7
    9310     600 9755.12  600.6310823.42  609.1611415.77  615.8211535.61  617.85
11836.92  673.3111891.71  684.7612679.23  740.9612781.95  748.84   12960   755.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8850     .15    9310     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8850    9310             46.5    46.5    46.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            46.50      46.50      46.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1082181.00   77443.39   421645.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1082181.00   77443.39   421645.10
  Q Total (cfs)           99395.38    Flow (cfs)              67895.31    6008.69   25491.38
  Top Width (ft)          12960.00    Top Width (ft)           8850.00     460.00    3650.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.08       0.06
  Max Chl Dpth (ft)         175.67    Hydr. Depth (ft)          122.28     168.36     115.52
  Conv. Total (cfs)       385342800.0    Conv. (cfs)            263221200.0   23294910.0   98826690.0
  Length Wtd. (ft)           46.50    Wetted Per. (ft)         8894.55     462.83    3663.63
  Min Ch El (ft)            584.70    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    97330.27    5038.82   31561.06
  C & E Loss (ft)                     Cum SA (acres)            791.15      28.93     244.23


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 4534.*

INPUT
Description:
Station Elevation Data    num=      50
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   718.8  773.91  681.01 1022.99  669.88 1257.61  662.56 1354.35  661.94
 1432.18  660.91 1644.57   661.2 1841.38  657.67 1934.78  653.26 2045.98     650
 2128.26     650    2225     654 2352.87     654 2515.22  656.38 2557.47  656.75
 2762.07  655.54 2864.37  651.94 3273.56  649.52 3682.76   644.1 3869.57  641.17
 3989.66     640 4091.95     640 4296.55     646    4450     646 4501.15  645.79
  4552.3  639.58 4643.48  637.42 4836.96  626.43 5319.54  615.34 5417.39     615
 5524.14  614.72  6191.3  611.93 6649.43   611.2 6771.74   611.2 6854.02  610.86
 6956.32  609.24 6965.22   609.2    8900   609.2    9040   584.6    9140   584.6
    9380     600 9806.83  600.8510831.22  608.8711399.23  614.9911514.15  617.14
11803.08  665.6911855.61  676.3412610.77  736.5412709.27  745.12   12880     754

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8900     .15    9380     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8900    9380             46.5    46.5    46.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            46.50      46.50      46.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1089435.00   80799.80   412032.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1089435.00   80799.80   412032.20
  Q Total (cfs)           99392.38    Flow (cfs)              68059.42    6240.00   25092.96
  Top Width (ft)          12880.00    Top Width (ft)           8900.00     480.00    3500.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.08       0.06
  Max Chl Dpth (ft)         175.77    Hydr. Depth (ft)          122.41     168.33     117.72
  Conv. Total (cfs)       387265200.0    Conv. (cfs)            265181800.0   24313070.0   97770380.0
  Length Wtd. (ft)           46.50    Wetted Per. (ft)         8944.24     482.64    3514.57
  Min Ch El (ft)            584.60    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    96171.17    4954.36   31116.08
  C & E Loss (ft)                     Cum SA (acres)            781.67      28.43     240.42


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 4487.5*

INPUT
Description:
Station Elevation Data    num=      50
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     719  778.26  680.84 1028.74  669.85 1264.67  662.13 1361.96  661.95
 1440.23  661.13  1653.8   661.5 1851.72  657.09 1945.65  652.72 2057.47     650
 2140.22     650  2237.5     655 2366.09     655 2529.35  656.98 2571.84  657.19
 2777.59  655.68 2880.46  652.42 3291.95   649.4 3703.45  643.88  3891.3  640.98
 4012.07     640 4114.94     640 4320.69     645    4475     645 4526.44  644.74
 4577.87  639.47 4669.57  637.51 4864.13  625.36 5349.43  615.42 5447.83     615
 5555.17  614.66 6226.09  611.61 6686.78     611 6809.78     611 6892.53  610.57
  6995.4  609.05 7004.35     609    8950     609    9100   584.5    9200   584.5
    9450     600 9858.54  601.0610839.02  608.5911382.69  614.1611492.68  616.42
11769.23  658.0811819.51  667.9312542.31  732.1212636.59   741.4   12800   752.5
```

```
Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8950     .15    9450     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8950    9450             46.5    46.5    46.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            46.50      46.50      46.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1096697.00   84160.21   401753.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1096697.00   84160.21   401753.30
  Q Total (cfs)           99389.37    Flow (cfs)              68262.33    6473.08   24653.96
  Top Width (ft)          12800.00    Top Width (ft)           8950.00     500.00    3350.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.08       0.06
  Max Chl Dpth (ft)         175.87    Hydr. Depth (ft)          122.54     168.32     119.93
  Conv. Total (cfs)       388960400.0    Conv. (cfs)            267144700.0   25332410.0   96483320.0
  Length Wtd. (ft)           46.50    Wetted Per. (ft)         8993.99     502.47    3365.71
  Min Ch El (ft)            584.50    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    95004.33    4866.31   30681.73
  C & E Loss (ft)                     Cum SA (acres)            772.15      27.91     236.76


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 4441.*

INPUT
Description:
Station Elevation Data    num=      50
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   719.2  782.61  680.67 1034.48  669.82 1271.74  661.71 1369.57  661.96
 1448.28  661.36 1663.04   661.8 1862.07  656.51 1956.52  652.17 2068.97     650
 2152.17     650    2250     656 2379.31     656 2543.48  657.59 2586.21  657.63
  2793.1  655.81 2896.55  652.91 3310.34  649.28 3724.14  643.66 3913.04  640.78
 4034.48     640 4137.93     640 4344.83     644    4500     644 4551.72  643.68
 4603.45  639.37 4695.65  637.61  4891.3  624.29 5379.31  615.51 5478.26     615
 5586.21  614.59 6260.87  611.29 6724.14   610.8 6847.83   610.8 6931.03  610.29
 7034.48  608.86 7043.48   608.8    9000   608.8    9160   584.4    9260   584.4
    9520     600 9910.24  601.2710846.83  608.3111366.15  613.3311471.22  615.71
11735.38  650.4611783.42  659.5112473.85  727.69 12563.9  737.68   12720     751

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9000     .15    9520     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9000    9520             46.5    46.5    46.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            46.50      46.50      46.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1103967.00   87524.61   390821.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1103967.00   87524.61   390821.30
  Q Total (cfs)           99386.35    Flow (cfs)              68504.01    6708.37   24173.97
  Top Width (ft)          12720.00    Top Width (ft)           9000.00     520.00    3200.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.08       0.06
  Max Chl Dpth (ft)         175.97    Hydr. Depth (ft)          122.66     168.32     122.13
  Conv. Total (cfs)       390428300.0    Conv. (cfs)            269110400.0   26353070.0   94964780.0
  Length Wtd. (ft)           46.50    Wetted Per. (ft)         9043.79     522.32    3217.05
  Min Ch El (ft)            584.40    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    93829.73    4774.67   30258.70
  C & E Loss (ft)                     Cum SA (acres)            762.57      27.36     233.27


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 4394.5*

INPUT
Description:
Station Elevation Data    num=      50
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   719.4  786.96  680.51 1040.23  669.79  1278.8  661.28 1377.17  661.97
 1456.32  661.59 1672.28   662.1 1872.41  655.93 1967.39  651.63 2080.46     650
 2164.13     650  2262.5     657 2392.53     657 2557.61  658.19 2600.57  658.06
 2808.62  655.95 2912.64  653.39 3328.74  649.16 3744.83  643.43 3934.78  640.59
  4056.9     640 4160.92     640 4368.97     643    4525     643 4577.01  642.63
 4629.02  639.26 4721.74  637.71 4918.48  623.22  5409.2  615.59  5508.7     615
 5617.24  614.52 6295.65  610.97 6761.49   610.6 6885.87   610.6 6969.54     610
 7073.56  608.66 7082.61   608.6    9050   608.6    9220   584.3    9320   584.3
    9590     600 9961.95  601.4810854.63  608.0311349.62  612.511449.76  614.99
11701.54  642.8511747.32   651.112405.38  723.2712491.22  733.96   12640   749.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9050     .15    9590     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9050    9590             46.5    46.5    46.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            46.50      46.50      46.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1111255.00   90893.04   379220.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1111255.00   90893.04   379220.50
  Q Total (cfs)           99383.35    Flow (cfs)              68786.94    6946.43   23649.98
  Top Width (ft)          12640.00    Top Width (ft)           9050.00     540.00    3050.00
```

```
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.08       0.06
  Max Chl Dpth (ft)         176.07    Hydr. Depth (ft)          122.79     168.32     124.33
  Conv. Total (cfs)       391659800.0    Conv. (cfs)            271082400.0   27375190.0   93202220.0
  Length Wtd. (ft)           46.50    Wetted Per. (ft)         9093.66     542.18    3068.64
  Min Ch El (ft)            584.30    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    92647.37    4679.44   29847.69
  C & E Loss (ft)                     Cum SA (acres)            752.93      26.80     229.93


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 4348.*

INPUT
Description:
Station Elevation Data    num=      50
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   719.6   791.3  680.34 1045.98  669.76 1285.87  660.85 1384.78  661.98
 1464.37  661.81 1681.52   662.4 1882.76  655.35 1978.26  651.09 2091.95     650
 2176.09     650    2275     658 2405.75     658 2571.74  658.79 2614.94   658.5
 2824.14  656.08 2928.74  653.88 3347.13  649.04 3765.52  643.21 3956.52  640.39
 4079.31     640 4183.91     640  4393.1     642    4550     642  4602.3  641.58
  4654.6  639.15 4747.83  637.81 4945.65  622.14 5439.08  615.67 5539.13     615
 5648.28  614.45 6330.43  610.64 6798.85   610.4 6923.91   610.4 7008.05  609.72
 7112.64  608.47 7121.74   608.4    9100   608.4    9280   584.2    9380   584.2
    9660     60010013.66  601.6910862.44  607.7511333.08  611.6611428.29  614.28
11667.69  635.2311711.22  642.6812336.92  718.8512418.54  730.24   12560     748

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9100     .15    9660     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9100    9660             46.5    46.5    46.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            46.50      46.50      46.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1118567.00   94265.43   366964.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1118567.00   94265.43   366964.70
  Q Total (cfs)           99380.36    Flow (cfs)              69111.49    7187.66   23081.21
  Top Width (ft)          12560.00    Top Width (ft)           9100.00     560.00    2900.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.08       0.06
  Max Chl Dpth (ft)         176.17    Hydr. Depth (ft)          122.92     168.33     126.54
  Conv. Total (cfs)       392657000.0    Conv. (cfs)            273063100.0   28398820.0   91195040.0
  Length Wtd. (ft)           46.50    Wetted Per. (ft)         9143.58     562.06    2920.52
  Min Ch El (ft)            584.20    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    91457.21    4580.62   29449.41
  C & E Loss (ft)                     Cum SA (acres)            743.24      26.21     226.75


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 4301.5*

INPUT
Description:
Station Elevation Data    num=      50
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   719.8   795.65  680.17 1051.72  669.73 1292.93  660.43 1392.39  661.99
 1472.41  662.04 1690.76   662.7  1893.1  654.77 1989.13  650.54 2103.45     650
 2188.04     650  2287.5     659 2418.97     659 2585.87   659.4 2629.31  658.94
 2839.66  656.22 2944.83  654.36 3365.52  648.92 3786.21  642.98 3978.26   640.2
 4101.72     640  4206.9     640 4417.24     641    4575     641 4627.59  640.52
 4680.17  639.05 4773.91   637.9 4972.83  621.07 5468.97  615.76 5569.57     615
 5679.31  614.38 6365.22  610.32 6836.21   610.2 6961.96   610.2 7046.55  609.43
 7151.72  608.28 7160.87   608.2    9150   608.2    9340   584.1    9440   584.1
    9730     60010065.37   601.910870.24  607.4711316.54  610.8311406.83  613.56
11633.85  627.6211675.12  634.2712268.46  714.4212345.85  726.52   12480   746.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9150     .15    9730     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9150    9730             46.5    46.5    46.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            46.50      46.50      46.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1125881.00   97641.85   354045.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1125881.00   97641.85   354045.20
  Q Total (cfs)           99377.38    Flow (cfs)              69479.08    7432.84   22465.47
  Top Width (ft)          12480.00    Top Width (ft)           9150.00     580.00    2750.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.08       0.06
  Max Chl Dpth (ft)         176.27    Hydr. Depth (ft)          123.05     168.35     128.74
  Conv. Total (cfs)       393401400.0    Conv. (cfs)            275044100.0   29424080.0   88933180.0
  Length Wtd. (ft)           46.50    Wetted Per. (ft)         9193.55     581.96    2772.73
  Min Ch El (ft)            584.10    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    90259.24    4478.19   29064.58
  C & E Loss (ft)                     Cum SA (acres)            733.50      25.60     223.74


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
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```
REACH: SC                  RS: 4255

INPUT
Description:
Station Elevation Data    num=      25
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720     800     680    1300     660    1400     662    1700     663
     2000     650    2200     650    2300     660    2600     660    4000     640
     4600     640    4800     638    5000     620    5600     615    6400     610
     7000     610    7200     608    9200     608    9400     584    9500     584
     9800     600   11300     610   11600     620   12200     710   12400     745

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .15    9200     .15    9800     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9200    9800             45.5    45.5    45.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            45.50      45.50      45.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1133208.00   101022.30   340463.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1133208.00   101022.30   340463.10
  Q Total (cfs)           99374.41    Flow (cfs)              69891.58    7682.45   21800.38
  Top Width (ft)          12400.00    Top Width (ft)           9200.00     600.00    2600.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.08       0.06
  Max Chl Dpth (ft)         176.37    Hydr. Depth (ft)          123.17     168.37     130.95
  Conv. Total (cfs)       393891100.0    Conv. (cfs)            277029800.0   30450990.0   86410330.0
  Length Wtd. (ft)           45.50    Wetted Per. (ft)         9243.58     601.86    2625.32
  Min Ch El (ft)            584.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    89053.46    4372.15   28693.89
  C & E Loss (ft)                     Cum SA (acres)            723.71      24.97     220.88


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 4209.5*

INPUT
Description:
Station Elevation Data    num=      44
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720  804.35  680.65 1156.25   666.5 1307.07  661.01 1407.61  662.59
  1541.67  662.76 1709.24  663.58 1734.38  662.68 2010.87   651.1 2211.96  650.27
  2216.15  650.61  2312.5  659.33 2614.13  660.34 2697.92  659.58 3083.33  652.92
  3276.04  650.52 3854.17  642.08 4021.74     640 4143.23     640 4335.94  639.38
     4625  639.38 4817.71  635.82 4826.09  635.74 5027.17  619.77 5395.83   616.7
  5630.43  614.89 6166.67  611.71 6434.78  610.25  6937.5  610.25 7038.04  610.18
  7239.13   608.3 7322.92  608.25 8864.58  608.25    9250     607 9431.25  583.88
     9550  583.88 9818.75     60011135.71  608.9911307.93     61011557.14  617.32
 11605.77  620.1911978.57  680.5412201.44     710   12400  740.62

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .15    9250     .15 9818.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9250 9818.75             45.5    45.5    45.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            45.50      45.50      45.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1138732.00   96117.55   337194.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1138732.00   96117.55   337194.50
  Q Total (cfs)           99371.52    Flow (cfs)              70423.01    7348.34   21600.18
  Top Width (ft)          12400.00    Top Width (ft)           9250.00     568.75    2581.25
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.08       0.06
  Max Chl Dpth (ft)         176.49    Hydr. Depth (ft)          123.11     169.00     130.63
  Conv. Total (cfs)       392682800.0    Conv. (cfs)            278288000.0   29038150.0   85356630.0
  Length Wtd. (ft)           45.50    Wetted Per. (ft)         9293.26     570.70    2610.37
  Min Ch El (ft)            583.88    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    87866.90    4269.19   28339.97
  C & E Loss (ft)                     Cum SA (acres)            714.07      24.36     218.18


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 4164.*

INPUT
Description:
Station Elevation Data    num=      44
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720   808.7   681.3  1162.5     667 1314.13  662.01 1415.22  663.18
     1550  663.08 1718.48  664.15 1743.75  663.44 2021.74   652.2 2223.91  650.53
  2228.12  650.81    2325  658.65 2628.26  660.68  2712.5  660.36    3100   652.5
  3293.75  650.45    3875  641.79 4043.48     640 4165.62     640 4359.38  638.75
     4650  638.75 4843.75  633.56 4852.17  633.48 5054.35  619.55    5425  616.46
  5660.87  614.77    6200  611.75 6469.57   610.5    6975   610.5 7076.09  610.37
  7278.26  608.61  7362.5   608.5  8912.5   608.5    9300     606  9462.5  583.75
     9600  583.75  9837.5     600 11144.9  609.1311315.87     61011563.27  616.28
 11611.54  620.3811981.63  684.7412202.88     710   12400  736.25

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .15    9300     .15  9837.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9300  9837.5             45.5    45.5    45.5             .1       .3
```

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CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           45.50      45.50      45.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1144249.00   91195.91   333944.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1144249.00   91195.91   333944.20
  Q Total (cfs)           99368.66    Flow (cfs)              70958.30    7010.03   21400.33
  Top Width (ft)          12400.00    Top Width (ft)           9300.00     537.50    2562.50
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.08       0.06
  Max Chl Dpth (ft)         176.62    Hydr. Depth (ft)          123.04     169.67     130.32
  Conv. Total (cfs)       391465200.0    Conv. (cfs)             279541900.0   27616180.0   84307090.0
  Length Wtd. (ft)           45.50    Wetted Per. (ft)         9343.02     539.57    2595.64
  Min Ch El (ft)            583.75    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    86674.57    4171.36   27989.45
  C & E Loss (ft)                     Cum SA (acres)            704.39      23.78     215.49


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 4118.5*

INPUT
Description:
Station Elevation Data    num=      44
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  813.04  681.96 1168.75   667.5  1321.2  663.02 1422.83  663.78
 1558.33   663.4 1727.72  664.73 1753.12   664.2 2032.61  653.31 2235.87   650.8
  2240.1  651.01  2337.5  657.97 2642.39  661.03 2727.08  661.13 3116.67  652.08
 3311.46  650.37 3895.83  641.49 4065.22     640 4188.02     640 4382.81  638.12
    4675  638.12 4869.79   631.3 4878.26  631.22 5081.52  619.32 5454.17  616.22
  5691.3  614.66 6233.33  611.79 6504.35  610.75  7012.5  610.75 7114.13  610.55
 7317.39  608.91 7402.08  608.75 8960.42  608.75    9350     605 9493.75  583.62
    9650  583.62 9856.25     60011154.08  609.28 11323.8     61011569.39  615.23
11617.31  620.5811984.69  688.9512204.33     710   12400  731.88

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9350     .15 9856.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9350 9856.25             45.5    45.5    45.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           45.50      45.50      45.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1149759.00   86253.96   330695.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1149759.00   86253.96   330695.20
  Q Total (cfs)           99365.81    Flow (cfs)              71499.24    6667.11   21199.46
  Top Width (ft)          12400.00    Top Width (ft)           9350.00     506.25    2543.75
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.08       0.06
  Max Chl Dpth (ft)         176.75    Hydr. Depth (ft)          122.97     170.38     130.00
  Conv. Total (cfs)       390228500.0    Conv. (cfs)             280791200.0   26183000.0   83254350.0
  Length Wtd. (ft)           45.50    Wetted Per. (ft)         9392.85     508.48    2581.16
  Min Ch El (ft)            583.62    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    85476.48    4078.69   27642.33
  C & E Loss (ft)                     Cum SA (acres)            694.65      23.24     212.82


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 4073.*

INPUT
Description:
Station Elevation Data    num=      44
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  817.39  682.61     1175     668 1328.26  664.02 1430.43  664.37
 1566.67  663.72 1736.96   665.3  1762.5  664.96 2043.48  654.41 2247.83  651.07
 2252.08  651.21    2350   657.3 2656.52  661.37 2741.67   661.9 3133.33  651.67
 3329.17   650.3 3916.67  641.19 4086.96     640 4210.42     640 4406.25   637.5
    4700   637.5 4895.83  629.04 4904.35  628.96  5108.7  619.09 5483.33  615.97
 5721.74  614.54 6266.67  611.83 6539.13     611    7050     611 7152.17  610.74
 7356.52  609.22 7441.67     609 9008.33     609    9400     604    9525   583.5
    9700   583.5    9875     60011163.27  609.4211331.73     61011575.51  614.18
11623.08  620.7711987.75  693.1612205.77     710   12400   727.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9400     .15    9875     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9400    9875             45.5    45.5    45.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           45.50      45.50      45.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1155264.00   81288.39   327468.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1155264.00   81288.39   327468.30
  Q Total (cfs)           99362.99    Flow (cfs)              72044.95    6318.76   20999.28
  Top Width (ft)          12400.00    Top Width (ft)           9400.00     475.00    2525.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.08       0.06
  Max Chl Dpth (ft)         176.87    Hydr. Depth (ft)          122.90     171.13     129.69
  Conv. Total (cfs)       388980800.0    Conv. (cfs)             282037700.0   24736330.0   82206820.0
  Length Wtd. (ft)           45.50    Wetted Per. (ft)         9442.75     477.45    2566.95
  Min Ch El (ft)            583.50    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    84272.64    3991.19   27298.60
  C & E Loss (ft)                     Cum SA (acres)            684.85      22.73     210.18
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 4027.5*

INPUT
Description:
Station Elevation Data    num=      44
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  821.74  683.26 1181.25   668.5 1335.33  665.03 1438.04  664.96
    1575  664.04  1746.2  665.88 1771.88  665.72 2054.35  655.51 2259.78  651.34
 2264.06  651.41  2362.5  656.62 2670.65  661.71 2756.25  662.68    3150  651.25
 3346.88  650.22  3937.5  640.89  4108.7     640 4232.81     640 4429.69  636.88
    4725  636.88 4921.88  626.78 4930.44   626.7 5135.87  618.87  5512.5  615.73
 5752.17  614.43    6300  611.88 6573.91  611.25  7087.5  611.25 7190.22  610.92
 7395.65  609.52 7481.25  609.25 9056.25  609.25    9450     603 9556.25  583.38
    9750  583.38 9893.75     60011172.45  609.5711339.66     61011581.63  613.14
11628.85  620.9611990.82  697.3712207.21     710   12400  723.12

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9450     .15 9893.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9450 9893.75             45.5    45.5    45.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             45.50      45.50      45.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1160756.00   76302.57   324244.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1160756.00   76302.57   324244.70
  Q Total (cfs)           99360.13    Flow (cfs)              72596.56    5965.17   20798.40
  Top Width (ft)          12400.00    Top Width (ft)           9450.00     443.75    2506.25
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.08       0.06
  Max Chl Dpth (ft)         176.99    Hydr. Depth (ft)          122.83     171.95     129.37
  Conv. Total (cfs)       387711000.0    Conv. (cfs)            283277500.0   23276570.0   81156970.0
  Length Wtd. (ft)           45.50    Wetted Per. (ft)         9492.72     446.50    2552.99
  Min Ch El (ft)            583.38    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    83063.05    3908.88   26958.23
  C & E Loss (ft)                     Cum SA (acres)            675.01      22.25     207.55


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 3982.*

INPUT
Description:
Station Elevation Data    num=      44
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  826.09  683.91  1187.5     669 1342.39  666.03 1445.65  665.55
 1583.33  664.36 1755.43  666.46 1781.25  666.48 2065.22  656.61 2271.74   651.6
 2276.04   651.6    2375  655.95 2684.78  662.05 2770.83  663.45 3166.67  650.83
 3364.58  650.15 3958.33   640.6 4130.43     640 4255.21     640 4453.12  636.25
    4750  636.25 4947.92  624.52 4956.52  624.45 5163.04  618.64 5541.67  615.49
 5782.61  614.32 6333.33  611.92  6608.7   611.5    7125   611.5 7228.26  611.11
 7434.78  609.83 7520.83   609.5 9104.17   609.5    9500     602  9587.5  583.25
    9800  583.25  9912.5     60011181.63  609.71 11347.6     61011587.75  612.09
11634.62  621.1511993.88  701.5812208.65     710   12400  718.75

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9500     .15  9912.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9500  9912.5             45.5    45.5    45.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             45.50      45.50      45.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1166245.00   71299.63   321040.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1166245.00   71299.63   321040.30
  Q Total (cfs)           99357.25    Flow (cfs)              73153.42    5605.84   20597.98
  Top Width (ft)          12400.00    Top Width (ft)           9500.00     412.50    2487.50
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.08       0.06
  Max Chl Dpth (ft)         177.12    Hydr. Depth (ft)          122.76     172.85     129.06
  Conv. Total (cfs)       386428700.0    Conv. (cfs)            284514600.0   21802730.0   80111440.0
  Length Wtd. (ft)           45.50    Wetted Per. (ft)         9542.76     415.73    2539.29
  Min Ch El (ft)            583.25    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    81847.73    3831.79   26621.21
  C & E Loss (ft)                     Cum SA (acres)            665.11      21.80     204.94


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 3936.5*

INPUT
Description:
Station Elevation Data    num=      44
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  830.43  684.57 1193.75   669.5 1349.46  667.04 1453.26  666.15
 1591.67  664.68 1764.67  667.03 1790.62  667.24 2076.09  657.72  2283.7  651.87
 2288.02   651.8  2387.5  655.27 2698.91   662.4 2785.42  664.23 3183.33  650.42
 3382.29  650.07 3979.17   640.3 4152.17     640  4277.6     640 4476.56  635.62
```

```
    4775  635.62 4973.96  622.26 4982.61  622.19 5190.22  618.41 5570.83  615.24
 5813.04   614.2 6366.67  611.96 6643.48  611.75  7162.5  611.75  7266.3  611.29
 7473.91  610.13 7560.42  609.75 9152.08  609.75    9550     601 9618.75  583.12
    9850  583.12 9931.25     60011190.82  609.8611355.53     61011593.88  611.05
11640.38  621.3511996.94  705.79 12210.1     710   12400  714.38

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9550     .15 9931.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9550 9931.25             45.5    45.5    45.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            45.50      45.50      45.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1171729.00   66276.30   317836.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1171729.00   66276.30   317836.80
  Q Total (cfs)           99354.38    Flow (cfs)              73718.51    5239.00   20396.87
  Top Width (ft)          12400.00    Top Width (ft)           9550.00     381.25    2468.75
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.08       0.06
  Max Chl Dpth (ft)         177.25    Hydr. Depth (ft)          122.69     173.84     128.74
  Conv. Total (cfs)       385118600.0    Conv. (cfs)            285748500.0   20307480.0   79062580.0
  Length Wtd. (ft)           45.50    Wetted Per. (ft)         9592.86     385.27    2525.86
  Min Ch El (ft)            583.12    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    80626.69    3759.94   26287.55
  C & E Loss (ft)                     Cum SA (acres)            655.16      21.39     202.35


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 3891

INPUT
Description:
Station Elevation Data    num=      26
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720    1200     670    1600     665    1800     668    2300     652
    2800     665    3200     650    3400     650    4000     640    4300     640
    4500     635    4800     635    5000     620    5600     615    6400     612
    7200     612    7600     610    9200     610    9600     600    9650     583
    9900     583    9950     600   11200     610   11600     610   12000     710
   12400     710

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9600     .15    9950     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9600    9950              448     448     448             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           448.00     448.00     448.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1177205.00   61229.61   314657.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1177205.00   61229.61   314657.30
  Q Total (cfs)           99351.54    Flow (cfs)              74293.75    4859.80   20197.99
  Top Width (ft)          12400.00    Top Width (ft)           9600.00     350.00    2450.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.08       0.06
  Max Chl Dpth (ft)         177.37    Hydr. Depth (ft)          122.63     174.94     128.43
  Conv. Total (cfs)       383769500.0    Conv. (cfs)            286977700.0   18772150.0   78019650.0
  Length Wtd. (ft)          448.00    Wetted Per. (ft)         9643.04     355.62    2512.72
  Min Ch El (ft)            583.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    79399.91    3693.35   25957.22
  C & E Loss (ft)                     Cum SA (acres)            645.16      21.00     199.78


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 3443

INPUT
Description:
Station Elevation Data    num=      25
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     900     670    1300     668    1500     670    1800     670
    2200     660    2600     660    2700     668    4800     630    5100     620
    5800     616    7200     616    7600     610    9200     610    9600     608
    9800     596   10000     596   10050     582   10100     582   10400     600
   11200     608   11600     608   11800     620   12000     620   13200     720

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10000     .15   10400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10000   10400              143     143     143             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           143.00     143.00     143.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1229602.00   68298.07   351836.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1229602.00   68298.07   351836.50
  Q Total (cfs)           99322.71    Flow (cfs)              73186.52    5053.60   21082.60
  Top Width (ft)          13200.00    Top Width (ft)          10000.00     400.00    2800.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.07       0.06
  Max Chl Dpth (ft)         178.37    Hydr. Depth (ft)          122.96     170.75     125.66
  Conv. Total (cfs)       407582500.0    Conv. (cfs)            300329600.0   20738040.0   86514940.0
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  Length Wtd. (ft)          143.00    Wetted Per. (ft)        10043.15     402.46    2844.93
  Min Ch El (ft)            582.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    67023.31    3027.27   22529.88
  C & E Loss (ft)                     Cum SA (acres)            544.37      17.15     172.79


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 3300

INPUT
Description:
Station Elevation Data    num=      26
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     900     676    1300     669    1600     673    2200     661
    2600     670    2800     670    3700     649    4100     649    5200     620
    5700     614    7600     614    8000     608    9200     608    9600     606
   10000     600   10200     600   10250     580   10350     580   10400     600
   11400     610   11800     610   11900     620   12100     620   12400     660
   13200     720

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10200     .15   10400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10200   10400              243     243     243             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           243.00     243.00     243.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1252676.00   35074.04   350536.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1252676.00   35074.04   350536.50
  Q Total (cfs)           99313.20    Flow (cfs)              75472.84    2620.26   21220.11
  Top Width (ft)          13200.00    Top Width (ft)          10200.00     200.00    2800.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.07       0.06
  Max Chl Dpth (ft)         180.37    Hydr. Depth (ft)          122.81     175.37     125.19
  Conv. Total (cfs)       402328100.0    Conv. (cfs)            305748300.0   10614950.0   85964860.0
  Length Wtd. (ft)          243.00    Wetted Per. (ft)        10242.51     207.70    2845.82
  Min Ch El (ft)            580.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.00    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    62948.87    2857.60   21377.00
  C & E Loss (ft)                     Cum SA (acres)            511.21      16.16     163.59


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 3057

INPUT
Description:
Station Elevation Data    num=      26
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     900     676    1300     669    1600     673    2200     661
    2600     670    2800     670    3700     649    4100     649    5200     620
    5700     614    7600     614    8000     608    9200     608    9600     606
   10000     600   10200     600   10250     579   10350     579   10400     600
   11600     608   11800     608   11900     620   12300     620   12600     660
   13600     720

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10200     .15   10400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10200   10400              127     127     127             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           127.00     127.00     127.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1252676.00   35224.04   395384.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1252676.00   35224.04   395384.60
  Q Total (cfs)           99296.96    Flow (cfs)              73570.27    2566.19   23160.50
  Top Width (ft)          13600.00    Top Width (ft)          10200.00     200.00    3200.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.07       0.06
  Max Chl Dpth (ft)         181.37    Hydr. Depth (ft)          122.81     176.12     123.56
  Conv. Total (cfs)       412665100.0    Conv. (cfs)            305748300.0   10664760.0   96251990.0
  Length Wtd. (ft)          127.00    Wetted Per. (ft)        10242.51     208.46    3245.57
  Min Ch El (ft)            579.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.00    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    55960.80    2661.52   19296.44
  C & E Loss (ft)                     Cum SA (acres)            454.31      15.05     146.86


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 2930

INPUT
Description:
Station Elevation Data    num=      25
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     900     676    1300     669    1600     673    2200     661
    2600     670    2800     670    3700     649    4100     649    5200     620
    5700     614    7600     614    8000     608    9200     608    9600     606
   10000     600   10200     600   10250     578   10350     578   10400     600
   11600     610   12000     620   12300     620   12600     660   13600     720
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10200     .15   10400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10200   10400           242.06  242.06  242.06             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           242.06     242.06     242.06
  Crit W.S. (ft)                      Flow Area (sq ft)       1252676.00   35374.04   393184.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1252676.00   35374.04   393184.60
  Q Total (cfs)           99288.53    Flow (cfs)              73712.44    2582.91   22993.19
  Top Width (ft)          13600.00    Top Width (ft)          10200.00     200.00    3200.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.07       0.06
  Max Chl Dpth (ft)         182.37    Hydr. Depth (ft)          122.81     176.87     122.87
  Conv. Total (cfs)       411834200.0    Conv. (cfs)            305748300.0   10713510.0   95372350.0
  Length Wtd. (ft)          242.06    Wetted Per. (ft)        10242.51     209.25    3244.99
  Min Ch El (ft)            578.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.00    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    52308.60    2558.60   18146.89
  C & E Loss (ft)                     Cum SA (acres)            424.57      14.46     137.53


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 2688

INPUT
Description:
Station Elevation Data    num=      25
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     900     676    1300     669    1600     673    2200     661
    2600     670    2800     670    3700     649    4100     649    5200     620
    5700     614    7600     614    8000     608    9200     608    9600     606
   10000     600   10300     600   10350     577   10400     577   10600     600
   12000     610   12200     620   12500     620   13000     660   14000     720

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10300     .15   10600     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10300   10600           239.04  239.04  239.04             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           239.04     239.04     239.04
  Crit W.S. (ft)                      Flow Area (sq ft)       1268712.00   52136.04   419258.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1268712.00   52136.04   419258.40
  Q Total (cfs)           99272.49    Flow (cfs)              71942.13    3677.42   23652.95
  Top Width (ft)          14000.00    Top Width (ft)          10300.00     300.00    3400.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.07       0.06
  Max Chl Dpth (ft)         183.37    Hydr. Depth (ft)          123.18     173.79     123.31
  Conv. Total (cfs)       428158000.0    Conv. (cfs)            310283300.0   15860530.0   102014200.0
  Length Wtd. (ft)          239.04    Wetted Per. (ft)        10342.51     306.35    3444.05
  Min Ch El (ft)            577.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    45303.01    2315.46   15889.54
  C & E Loss (ft)                     Cum SA (acres)            367.62      13.07     119.19


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 2449

INPUT
Description:
Station Elevation Data    num=      24
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     900     676    1300     669    1600     673    2200     661
    2600     670    2800     670    3700     649    4100     649    5200     620
    5700     614    7600     614    8000     608    9200     608    9600     606
   10000     600   10300     600   10350     576   10400     576   10600     600
   12200     610   12800     640   13000     640   13600     690

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10300     .15   10600     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10300   10600           252.96  252.96  252.96             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)           252.96     252.96     252.96
  Crit W.S. (ft)                      Flow Area (sq ft)       1268712.00   52311.04   411110.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1268712.00   52311.04   411110.30
  Q Total (cfs)           99256.32    Flow (cfs)              71169.52    3653.99   24432.81
  Top Width (ft)          13600.00    Top Width (ft)          10300.00     300.00    3000.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.07       0.06
  Max Chl Dpth (ft)         184.37    Hydr. Depth (ft)          123.18     174.37     137.04
  Conv. Total (cfs)       432735500.0    Conv. (cfs)            310283300.0   15930570.0   106521600.0
  Length Wtd. (ft)          252.96    Wetted Per. (ft)        10342.51     306.90    3073.23
  Min Ch El (ft)            576.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    38340.82    2028.88   13611.18
  C & E Loss (ft)                     Cum SA (acres)            311.09      11.43     101.63
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 2196

INPUT
Description:
Station Elevation Data    num=      25
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     900     676    1300     669    1600     673    2200     661
    2600     670    2800     670    3700     649    4100     649    5200     620
    5700     614    7600     614    8000     608    9200     608    9600     606
   10000     600   10300     600   10350     575   10400     575   10600     600
   12200     610   12800     650   13000     645   13200     645   13600     690

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10300     .15   10600     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10300   10600               25      25      25             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            25.00      25.00      25.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1268712.00   52486.04   409610.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1268712.00   52486.04   409610.40
  Q Total (cfs)           99239.16    Flow (cfs)              71256.43    3674.39   24308.34
  Top Width (ft)          13600.00    Top Width (ft)          10300.00     300.00    3000.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)           0.06       0.07       0.06
  Max Chl Dpth (ft)         185.37    Hydr. Depth (ft)         123.18     174.95     136.54
  Conv. Total (cfs)       432132900.0    Conv. (cfs)            310283300.0   15999980.0   105849700.0
  Length Wtd. (ft)           25.00    Wetted Per. (ft)        10342.51     307.46    3074.32
  Min Ch El (ft)            575.00    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30973.21    1724.59   11228.15
  C & E Loss (ft)                     Cum SA (acres)            251.28       9.69      84.21


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 2171.*

INPUT
Description:
Station Elevation Data    num=      49
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  584.72  690.35  902.62  676.07  974.53  674.87 1266.89  670.48
 1303.79  669.84 1604.66  672.96 1949.06  666.22 2143.96  663.02 2206.41   661.9
 2607.57     670 2728.68     670 2808.16  669.84 3703.21  649.26 3710.78   649.1
 4111.94   649.1 4385.38  642.63 4482.83  639.33 4677.74  634.71 5067.55  623.49
 5215.15  619.87  5716.6  614.03 5749.72     614 7601.32     614 7622.14  614.02
 7698.77  613.07  8023.3   608.7 8186.04   608.7 8186.04   608.2 8965.66   608.2
  9226.8  607.89 9550.38  606.05 9627.96  605.58 9745.28  603.8210029.13     600
   10330     600   10385   574.9   10440   574.9   10640     60011981.18  608.44
12249.41  609.9312261.33  610.1312607.06  634.4712785.88  646.0612869.33     651
   13072   646.513143.53   646.513274.67  647.36   13680   690.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10330     .15   10640     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10330   10640               25      25      25             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            25.00      25.00      25.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1271853.00   54295.48   413022.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1271853.00   54295.48   413022.30
  Q Total (cfs)           99237.48    Flow (cfs)              71108.73    3793.20   24335.54
  Top Width (ft)          13680.00    Top Width (ft)          10330.00     310.00    3040.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)           0.06       0.07       0.06
  Max Chl Dpth (ft)         185.47    Hydr. Depth (ft)         123.12     175.15     135.86
  Conv. Total (cfs)       433960700.0    Conv. (cfs)            310955100.0   16587490.0   106418200.0
  Length Wtd. (ft)           25.00    Wetted Per. (ft)        10372.94     317.03    3113.62
  Min Ch El (ft)            574.90    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    30244.17    1693.95   10992.08
  C & E Loss (ft)                     Cum SA (acres)            245.36       9.51      82.48


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 2146.*

INPUT
Description:
Station Elevation Data    num=      49
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  586.42   689.2  905.24  676.15  977.36     675 1270.57  671.32
 1307.57  670.68 1609.32  672.91 1954.72  666.31 2150.19   663.8 2212.82   662.8
 2615.15     670  2736.6     670 2816.31  669.67 3713.96  649.34 3721.55   649.2
 4123.88   649.2 4398.11  643.45 4495.85   639.4 4691.32   635.3 5082.26   623.1
 5230.29  619.74  5733.2  614.06 5766.42     614  7623.4     614 7644.27  614.04
 7721.13  613.28  8046.6   609.4 8209.81   609.4 8209.81   608.4  8991.7   608.4
 9253.59  607.77 9578.11  605.71 9655.92  605.16 9773.58   603.410058.25     600
   10360     600   10420   574.8   10480   574.8   10680     60012038.82  608.62
```

```
12310.59  609.9412322.67  610.2712672.94   636.212854.12  647.6112938.67     652
   13144     64813216.47     64813349.33  649.71   13760     691

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10360     .15   10680     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10360   10680               25      25      25             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            25.00      25.00      25.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1275000.00   56106.44   416368.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1275000.00   56106.44   416368.80
  Q Total (cfs)           99235.79    Flow (cfs)              70966.91    3910.94   24357.93
  Top Width (ft)          13760.00    Top Width (ft)          10360.00     320.00    3080.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.07       0.06
  Max Chl Dpth (ft)         185.57    Hydr. Depth (ft)          123.07     175.33     135.18
  Conv. Total (cfs)       435762800.0    Conv. (cfs)            311628900.0   17173640.0   106960200.0
  Length Wtd. (ft)           25.00    Wetted Per. (ft)        10403.39     326.66    3152.96
  Min Ch El (ft)            574.80    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29513.32    1662.27   10754.08
  C & E Loss (ft)                     Cum SA (acres)            239.42       9.33      80.72


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 2121.*

INPUT
Description:
Station Elevation Data    num=      49
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  588.11  688.05  907.86  676.22  980.19  675.12 1274.25  672.15
 1311.36  671.52 1613.98  672.87 1960.38  666.39 2156.42  664.57 2219.22   663.7
 2622.72     670 2744.53     670 2824.47  669.51 3724.72  649.42 3732.33   649.3
 4135.83   649.3 4410.85  644.27 4508.87  639.48 4704.91  635.89 5096.98  622.72
 5245.44  619.61 5749.81  614.09 5783.11     614 7645.47     614 7666.41  614.06
 7743.49   613.5  8069.9   610.1 8233.58   610.1 8233.58   608.6 9017.74   608.6
 9280.39  607.66 9605.85  605.37 9683.88  604.74 9801.89  602.9710087.38     600
   10390     600   10455   574.7   10520   574.7   10720     60012096.47  608.79
12371.76  609.95   12384  610.412738.82  637.9212922.35  649.16   13008     653
   13216  649.513289.41   649.5   13424  652.07   13840   691.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10390     .15   10720     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10390   10720               25      25      25             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            25.00      25.00      25.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1278139.00   57918.89   419671.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1278139.00   57918.89   419671.30
  Q Total (cfs)           99234.11    Flow (cfs)              70828.93    4027.69   24377.49
  Top Width (ft)          13840.00    Top Width (ft)          10390.00     330.00    3120.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.07       0.06
  Max Chl Dpth (ft)         185.67    Hydr. Depth (ft)          123.02     175.51     134.51
  Conv. Total (cfs)       437542400.0    Conv. (cfs)            312298500.0   17758860.0   107485100.0
  Length Wtd. (ft)           25.00    Wetted Per. (ft)        10433.88     336.34    3192.32
  Min Ch El (ft)            574.70    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28780.67    1629.55   10514.17
  C & E Loss (ft)                     Cum SA (acres)            233.47       9.14      78.94


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 2096.*

INPUT
Description:
Station Elevation Data    num=      49
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.81   686.9  910.49   676.3  983.02  675.25 1277.92  672.99
 1315.15  672.36 1618.64  672.82 1966.04  666.48 2162.64  665.35 2225.63   664.6
 2630.29     670 2752.45     670 2832.62  669.35 3735.47  649.51 3743.11   649.4
 4147.77   649.4 4423.58  645.09 4521.89  639.55 4718.49  636.48  5111.7  622.33
 5260.58  619.48 5766.41  614.12 5799.81     614 7667.55     614 7688.54  614.09
 7765.85  613.71  8093.2   610.8 8257.36   610.8 8257.36   608.8 9043.77   608.8
 9307.18  607.55 9633.58  605.03 9711.84  604.32 9830.19  602.55 10116.5     600
   10420     600   10490   574.6   10560   574.6   10760     60012154.12  608.96
12432.94  609.9612445.33  610.5312804.71  639.6512990.59  650.7113077.33     654
   13288     65113362.35     65113498.67  654.42   13920     692

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10420     .15   10760     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10420   10760               25      25      25             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            25.00      25.00      25.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1281266.00   59732.84   422920.10
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  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1281266.00   59732.84   422920.10
  Q Total (cfs)           99232.42    Flow (cfs)              70695.25    4143.60   24393.57
  Top Width (ft)          13920.00    Top Width (ft)          10420.00     340.00    3160.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.06       0.07       0.06
  Max Chl Dpth (ft)         185.77    Hydr. Depth (ft)          122.96     175.68     133.84
  Conv. Total (cfs)       439295600.0    Conv. (cfs)             312963400.0   18343460.0   107988800.0
  Length Wtd. (ft)           25.00    Wetted Per. (ft)        10464.40     346.07    3231.72
  Min Ch El (ft)            574.60    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28046.22    1595.79   10272.38
  C & E Loss (ft)                     Cum SA (acres)            227.50       8.95      77.14


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 2071.*

INPUT
Description:
Station Elevation Data    num=      49
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.51  685.75  913.11  676.37  985.85  675.37  1281.6  673.82
 1318.93   673.2  1623.3  672.78  1971.7  666.57 2168.87  666.12 2232.04   665.5
 2637.86     670 2760.38     670 2840.78  669.18 3746.23  649.59 3753.88   649.5
 4159.71   649.5 4436.32  645.91 4534.91  639.63 4732.08  637.06 5126.42  621.94
 5275.73  619.35 5783.01  614.15 5816.51     614 7689.62     614 7710.68  614.11
 7788.21  613.93  8116.5   611.5 8281.13   611.5 8281.13     609 9069.81     609
 9333.98  607.44 9661.32  604.69 9739.81   603.9 9858.49  602.1210145.63     600
   10450     600   10525   574.5   10600   574.5   10800     60012211.76  609.14
12494.12  609.9612506.67  610.6712870.59  641.3713058.82  652.2513146.67     655
   13360   652.513435.29   652.513573.33  656.78   14000   692.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10450     .15   10800     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10450   10800                25      25      25             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            25.00      25.00      25.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1284406.00   61548.29   426107.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1284406.00   61548.29   426107.10
  Q Total (cfs)           99230.73    Flow (cfs)              70566.85    4258.71   24405.17
  Top Width (ft)          14000.00    Top Width (ft)          10450.00     350.00    3200.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         185.87    Hydr. Depth (ft)          122.91     175.85     133.16
  Conv. Total (cfs)       441028200.0    Conv. (cfs)             313632400.0   18927690.0   108468100.0
  Length Wtd. (ft)           25.00    Wetted Per. (ft)        10494.95     355.84    3271.15
  Min Ch El (ft)            574.50    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27309.98    1560.98   10028.74
  C & E Loss (ft)                     Cum SA (acres)            221.51       8.75      75.31


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 2046.*

INPUT
Description:
Station Elevation Data    num=      49
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.21   684.6  915.73  676.44  988.68   675.5 1285.28  674.66
 1322.72  674.04 1627.96  672.73 1977.36  666.65 2175.09   666.9 2238.45   666.4
 2645.44     670  2768.3     670 2848.93  669.02 3756.98  649.67 3764.66   649.6
 4171.65   649.6 4449.06  646.72 4547.92   639.7 4745.66  637.65 5141.13  621.55
 5290.87  619.22 5799.61  614.17 5833.21     614  7711.7     614 7732.82  614.13
 7810.57  614.14 8139.81   612.2 8304.91   612.2 8304.91   609.2 9095.85   609.2
 9360.78  607.32 9689.06  604.35 9767.77  603.48 9886.79  601.710174.76     600
   10480     600   10560   574.4   10640   574.4   10840     60012269.41  609.31
12555.29  609.97   12568   610.812936.47   643.113127.06   653.8   13216     656
   13432     65413508.24     654   13648  659.13   14080     693

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10480     .15   10840     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10480   10840                25      25      25             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            25.00      25.00      25.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1287545.00   63365.23   429247.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1287545.00   63365.23   429247.70
  Q Total (cfs)           99229.03    Flow (cfs)              70442.25    4373.05   24413.73
  Top Width (ft)          14080.00    Top Width (ft)          10480.00     360.00    3240.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         185.97    Hydr. Depth (ft)          122.86     176.01     132.48
  Conv. Total (cfs)       442742100.0    Conv. (cfs)             314300700.0   19511740.0   108929700.0
  Length Wtd. (ft)           25.00    Wetted Per. (ft)        10525.52     365.63    3310.60
  Min Ch El (ft)            574.40    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26571.93    1525.14    9783.29
  C & E Loss (ft)                     Cum SA (acres)            215.50       8.55      73.47


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 2021.*

INPUT
Description:
Station Elevation Data     num=      49
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.91  683.45  918.35  676.52  991.51  675.62 1288.96  675.49
  1326.5  674.88 1632.62  672.69 1983.02  666.74 2181.32  667.67 2244.85   667.3
 2653.01     670 2776.23     670 2857.09  668.86 3767.74  649.75 3775.44   649.7
 4183.59   649.7 4461.79  647.54 4560.94  639.78 4759.25  638.24 5155.85  621.16
 5306.02  619.09 5816.21   614.2 5849.91     614 7733.77     614 7754.95  614.15
 7832.92  614.36 8163.11   612.9 8328.68   612.9 8328.68   609.4 9121.89   609.4
 9387.57  607.21 9716.79  604.02 9795.73  603.06 9915.09  601.2710203.88     600
   10510     600   10595   574.3   10680   574.3   10880     60012327.06  609.48
12616.47  609.9812629.33  610.9313002.35  644.8213195.29  655.3513285.33     657
   13504   655.513581.18   655.513722.67  661.49   14160   693.5

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10510     .15   10880     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10510   10880               25      25      25             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            25.00      25.00      25.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1290666.00   65183.70   432334.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1290666.00   65183.70   432334.20
  Q Total (cfs)           99227.30    Flow (cfs)              70321.38    4486.78   24419.14
  Top Width (ft)          14160.00    Top Width (ft)          10510.00     370.00    3280.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.07    Hydr. Depth (ft)          122.80     176.17     131.81
  Conv. Total (cfs)       444427500.0    Conv. (cfs)            314961200.0   20095780.0   109370500.0
  Length Wtd. (ft)           25.00    Wetted Per. (ft)        10556.13     375.44    3350.08
  Min Ch El (ft)            574.30    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25832.08    1488.25    9536.05
  C & E Loss (ft)                     Cum SA (acres)            209.48       8.34      71.59


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1996.*

INPUT
Description:
Station Elevation Data     num=      49
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   596.6   682.3  920.97  676.59  994.34  675.75 1292.64  676.33
 1330.29  675.72 1637.28  672.64 1988.68  666.83 2187.55  668.45 2251.26   668.2
 2660.58     670 2784.15     670 2865.24   668.7 3778.49  649.84 3786.21   649.8
 4195.53   649.8 4474.53  648.36 4573.96  639.85 4772.83  638.83 5170.57  620.78
 5321.17  618.96 5832.82  614.23  5866.6     614 7755.85     614 7777.09  614.17
 7855.28  614.57 8186.41   613.6 8352.45   613.6 8352.45   609.6 9147.92   609.6
 9414.37   607.1 9744.53  603.68 9823.69  602.64  9943.4  600.8510233.01     600
   10540     600   10630   574.2   10720   574.2   10920     60012384.71  609.65
12677.65  609.9912690.67  611.0713068.24  646.5513263.53   656.913354.67     658
   13576     65713654.12     65713797.33  663.84   14240     694

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10540     .15   10920     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10540   10920               25      25      25             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            25.00      25.00      25.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1293781.00   67003.64   435365.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1293781.00   67003.64   435365.00
  Q Total (cfs)           99225.60    Flow (cfs)              70204.59    4599.93   24421.08
  Top Width (ft)          14240.00    Top Width (ft)          10540.00     380.00    3320.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.17    Hydr. Depth (ft)          122.75     176.33     131.13
  Conv. Total (cfs)       446088500.0    Conv. (cfs)            315618800.0   20679910.0   109789900.0
  Length Wtd. (ft)           25.00    Wetted Per. (ft)        10586.77     385.28    3389.58
  Min Ch El (ft)            574.20    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25090.45    1450.32    9287.06
  C & E Loss (ft)                     Cum SA (acres)            203.44       8.12      69.70


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1971.*

INPUT
Description:
Station Elevation Data     num=      49
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   598.3  681.15  923.59  676.66  997.17  675.87 1296.32  677.16
 1334.08  676.56 1641.94   672.6 1994.34  666.91 2193.77  669.22 2257.67   669.1
 2668.16     670 2792.08     670  2873.4  668.53 3789.25  649.92 3796.99   649.9
 4207.48   649.9 4487.26  649.18 4586.98  639.93 4786.42  639.41 5185.28  620.39
 5336.31  618.83 5849.42  614.26  5883.3     614 7777.92     614 7799.22  614.19
 7877.64  614.79 8209.71   614.3 8376.23   614.3 8376.23   609.8 9173.96   609.8
 9441.17  606.99 9772.26  603.34 9851.65  602.23  9971.7  600.4210262.14     600
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   10570     600   10665   574.1   10760   574.1   10960     60012442.35  609.83
12738.82  609.99   12752   611.213134.12  648.2713331.76  658.45   13424     659
   13648   658.513727.06   658.5   13872   666.2   14320   694.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10570     .15   10960     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10570   10960               25      25      25             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            25.00      25.00      25.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1296910.00   68825.10   438336.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1296910.00   68825.10   438336.20
  Q Total (cfs)           99223.90    Flow (cfs)              70092.53    4712.46   24418.91
  Top Width (ft)          14320.00    Top Width (ft)          10570.00     390.00    3360.00
  Vel Total (ft/s)            0.06    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.27    Hydr. Depth (ft)          122.70     176.47     130.46
  Conv. Total (cfs)       447732100.0    Conv. (cfs)            316281400.0   21264240.0   110186400.0
  Length Wtd. (ft)           25.00    Wetted Per. (ft)        10617.43     395.14    3429.11
  Min Ch El (ft)            574.10    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24347.02    1411.34    9036.34
  C & E Loss (ft)                     Cum SA (acres)            197.38       7.90      67.78


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1946

INPUT
Description:
Station Elevation Data    num=      30
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700     574   10800     574   11000     600   12500     610
   12800     610   13200     650   13400     660   13800     660   14400     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000              4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300023.00   70648.05   441258.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300023.00   70648.05   441258.40
  Q Total (cfs)           99222.20    Flow (cfs)              69983.65    4824.49   24414.06
  Top Width (ft)          14400.00    Top Width (ft)          10600.00     400.00    3400.00
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.37    Hydr. Depth (ft)          122.64     176.62     129.78
  Conv. Total (cfs)       449351200.0    Conv. (cfs)            316937500.0   21848850.0   110564800.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.01    3468.67
  Min Ch El (ft)            574.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23601.81    1371.32    8783.93
  C & E Loss (ft)                     Cum SA (acres)            191.31       7.68      65.84


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1941.04*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.98   10800  573.98   11000     60012500.54  609.96
12800.65  609.9813137.92   643.3 13200.8  649.6713332.28  656.4913400.87  659.91
13720.99  660.0613801.02  660.0414012.52  672.1814206.88  683.3714401.23     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000              4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300023.00   70653.05   441672.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300023.00   70653.05   441672.30
  Q Total (cfs)           99221.86    Flow (cfs)              69960.13    4823.38   24438.35
  Top Width (ft)          14401.23    Top Width (ft)          10600.00     400.00    3401.23
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.39    Hydr. Depth (ft)          122.64     176.63     129.86
  Conv. Total (cfs)       449500700.0    Conv. (cfs)            316937500.0   21851160.0   110712000.0
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  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.02    3469.88
  Min Ch El (ft)            573.98    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23454.08    1363.29    8733.76
  C & E Loss (ft)                     Cum SA (acres)            190.10       7.63      65.46


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1936.09*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.95   10800  573.95   11000     60012501.09  609.93
12801.31  609.9613138.69  642.88 13201.6  649.3313333.12  656.4113401.74  659.82
13721.98  660.1213802.03  660.0914013.62  672.0314208.04  683.0814402.47     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300023.00   70660.55   442076.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300023.00   70660.55   442076.30
  Q Total (cfs)           99221.52    Flow (cfs)              69937.13    4822.56   24461.84
  Top Width (ft)          14402.47    Top Width (ft)          10600.00     400.00    3402.47
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.42    Hydr. Depth (ft)          122.64     176.65     129.93
  Conv. Total (cfs)       449647000.0    Conv. (cfs)            316937500.0   21854610.0   110854900.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.03    3471.10
  Min Ch El (ft)            573.95    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23306.35    1355.26    8683.55
  C & E Loss (ft)                     Cum SA (acres)            188.90       7.59      65.07


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1931.14*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.93   10800  573.93   11000     60012501.63  609.89
12801.96  609.9413139.47  642.47 13202.4     64913333.97  656.3313402.61  659.73
13722.96  660.1913803.05  660.1314014.71  671.8814209.21  682.79 14403.7     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300023.00   70665.55   442485.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300023.00   70665.55   442485.70
  Q Total (cfs)           99221.19    Flow (cfs)              69913.94    4821.47   24485.78
  Top Width (ft)          14403.70    Top Width (ft)          10600.00     400.00    3403.70
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.44    Hydr. Depth (ft)          122.64     176.66     130.00
  Conv. Total (cfs)       449794600.0    Conv. (cfs)            316937500.0   21856920.0   111000200.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.03    3472.31
  Min Ch El (ft)            573.93    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23158.62    1347.23    8633.29
  C & E Loss (ft)                     Cum SA (acres)            187.69       7.54      64.68


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1926.19*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
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    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700   573.9   10800   573.9   11000     60012502.18  609.85
12802.61  609.9213140.25  642.05 13203.2  648.6613334.82  656.2513403.49  659.64
13723.95  660.2513804.07  660.18 14015.8  671.7214210.37   682.514404.94     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300023.00   70673.04   442901.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300023.00   70673.04   442901.50
  Q Total (cfs)           99220.85    Flow (cfs)              69890.20    4820.59   24510.06
  Top Width (ft)          14404.94    Top Width (ft)          10600.00     400.00    3404.94
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.47    Hydr. Depth (ft)          122.64     176.68     130.08
  Conv. Total (cfs)       449945800.0    Conv. (cfs)            316937500.0   21860370.0   111148000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.05    3473.53
  Min Ch El (ft)            573.90    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23010.88    1339.20    8582.98
  C & E Loss (ft)                     Cum SA (acres)            186.49       7.49      64.30


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1921.24*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.88   10800  573.88   11000     60012502.72  609.82
12803.27  609.913141.02  641.6313203.99  648.3313335.66  656.1713404.36  659.55
13724.94  660.3113805.08  660.22 14016.9  671.5714211.53  682.2114406.17     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300023.00   70678.05   443305.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300023.00   70678.05   443305.80
  Q Total (cfs)           99220.52    Flow (cfs)              69867.38    4819.52   24533.62
  Top Width (ft)          14406.17    Top Width (ft)          10600.00     400.00    3406.17
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.49    Hydr. Depth (ft)          122.64     176.70     130.15
  Conv. Total (cfs)       450091300.0    Conv. (cfs)            316937500.0   21862670.0   111291200.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.05    3474.75
  Min Ch El (ft)            573.88    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22863.15    1331.17    8532.63
  C & E Loss (ft)                     Cum SA (acres)            185.28       7.45      63.91


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1916.29*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.85   10800  573.85   11000     60012503.27  609.78
12803.92  609.88 13141.8  641.2213204.79     64813336.51  656.0813405.23  659.46
13725.93  660.37 13806.1  660.2714017.99  671.42 14212.7  681.9114407.41     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300023.00   70685.55   443719.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300023.00   70685.55   443719.80
  Q Total (cfs)           99220.18    Flow (cfs)              69843.77    4818.66   24557.74
  Top Width (ft)          14407.41    Top Width (ft)          10600.00     400.00    3407.41
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
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  Max Chl Dpth (ft)         186.52    Hydr. Depth (ft)          122.64     176.71     130.22
  Conv. Total (cfs)       450241900.0    Conv. (cfs)            316937500.0   21866130.0   111438300.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.06    3475.97
  Min Ch El (ft)            573.85    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22715.42    1323.13    8482.23
  C & E Loss (ft)                     Cum SA (acres)            184.08       7.40      63.52


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1911.34*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.83   10800  573.83   11000     60012503.81  609.74
12804.58  609.8613142.57   640.813205.59  647.6613337.35     656 13406.1  659.36
13726.91  660.4313807.12  660.3114019.08  671.2714213.86  681.6214408.64     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300023.00   70690.55   444136.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300023.00   70690.55   444136.60
  Q Total (cfs)           99219.85    Flow (cfs)              69820.18    4817.54   24582.14
  Top Width (ft)          14408.64    Top Width (ft)          10600.00     400.00    3408.64
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.54    Hydr. Depth (ft)          122.64     176.73     130.30
  Conv. Total (cfs)       450392600.0    Conv. (cfs)            316937500.0   21868430.0   111586700.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.07    3477.19
  Min Ch El (ft)            573.83    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22567.69    1315.10    8431.79
  C & E Loss (ft)                     Cum SA (acres)            182.87       7.36      63.14


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1906.39*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700   573.8   10800   573.8   11000     60012504.36  609.71
12805.23  609.8413143.35  640.3813206.39  647.33 13338.2  655.9213406.97  659.27
 13727.9  660.4913808.13  660.3614020.18  671.1214215.03  681.3314409.88     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300023.00   70698.05   444541.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300023.00   70698.05   444541.10
  Q Total (cfs)           99219.52    Flow (cfs)              69797.23    4816.71   24605.58
  Top Width (ft)          14409.88    Top Width (ft)          10600.00     400.00    3409.88
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.57    Hydr. Depth (ft)          122.64     176.75     130.37
  Conv. Total (cfs)       450539100.0    Conv. (cfs)            316937500.0   21871880.0   111729800.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.08    3478.42
  Min Ch El (ft)            573.80    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22419.96    1307.07    8381.29
  C & E Loss (ft)                     Cum SA (acres)            181.67       7.31      62.75


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1901.44*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
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    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.78   10800  573.78   11000     600 12504.9  609.67
12805.88  609.8213144.13  639.9713207.19  646.9913339.05  655.8413407.84  659.18
13728.89  660.5613809.15   660.414021.27  670.9614216.19  681.0414411.11     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300023.00   70703.04   444954.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300023.00   70703.04   444954.40
  Q Total (cfs)           99219.18    Flow (cfs)              69773.88    4815.61   24629.70
  Top Width (ft)          14411.11    Top Width (ft)          10600.00     400.00    3411.11
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.59    Hydr. Depth (ft)          122.64     176.76     130.44
  Conv. Total (cfs)       450688400.0    Conv. (cfs)            316937500.0   21874180.0   111876700.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.09    3479.65
  Min Ch El (ft)            573.78    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22272.23    1299.03    8330.75
  C & E Loss (ft)                     Cum SA (acres)            180.46       7.27      62.36


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1896.49*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.75   10800  573.75   11000     60012505.45  609.63
12806.54  609.81 13144.9  639.5513207.99  646.6613339.89  655.7613408.71  659.09
13729.88  660.6213810.17  660.4514022.36  670.8114217.35  680.7414412.35     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300023.00   70710.55   445366.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300023.00   70710.55   445366.80
  Q Total (cfs)           99218.84    Flow (cfs)              69750.45    4814.75   24653.64
  Top Width (ft)          14412.35    Top Width (ft)          10600.00     400.00    3412.35
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.62    Hydr. Depth (ft)          122.64     176.78     130.52
  Conv. Total (cfs)       450838200.0    Conv. (cfs)            316937500.0   21877640.0   112023100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.10    3480.88
  Min Ch El (ft)            573.75    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22124.50    1291.00    8280.17
  C & E Loss (ft)                     Cum SA (acres)            179.26       7.22      61.97


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1891.54*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.73   10800  573.73   11000     60012505.99  609.6
12807.19  609.7913145.68  639.1413208.79  646.3313340.74  655.6813409.59     659
13730.86  660.6813811.18  660.4914023.46  670.6614218.52  680.4514413.58     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300023.00   70715.55   445770.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300023.00   70715.55   445770.60
  Q Total (cfs)           99218.51    Flow (cfs)              69727.74    4813.69   24677.08
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  Top Width (ft)          14413.58    Top Width (ft)          10600.00     400.00    3413.58
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.64    Hydr. Depth (ft)          122.64     176.79     130.59
  Conv. Total (cfs)       450983500.0    Conv. (cfs)            316937500.0   21879940.0   112166100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.11    3482.11
  Min Ch El (ft)            573.73    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21976.77    1282.96    8229.53
  C & E Loss (ft)                     Cum SA (acres)            178.06       7.18      61.59


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1886.59*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700   573.7   10800   573.7   11000     60012506.54  609.56
12807.84  609.7713146.46  638.7213209.59  645.9913341.59   655.613410.46  658.91
13731.85  660.74 13812.2  660.5414024.55  670.5114219.68  680.1614414.81     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70722.99   446184.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70722.99   446184.50
  Q Total (cfs)           99218.17    Flow (cfs)              69704.18    4812.83   24701.17
  Top Width (ft)          14414.81    Top Width (ft)          10600.00     400.00    3414.81
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.67    Hydr. Depth (ft)          122.64     176.81     130.66
  Conv. Total (cfs)       451133600.0    Conv. (cfs)            316936900.0   21883360.0   112313400.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.12    3483.33
  Min Ch El (ft)            573.70    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21829.04    1274.93    8178.85
  C & E Loss (ft)                     Cum SA (acres)            176.85       7.13      61.20


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1881.64*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.68   10800  573.68   11000     60012507.08  609.52
 12808.5  609.7513147.23   638.313210.38  645.6613342.43  655.5213411.33  658.82
13732.84   660.813813.22  660.5814025.64  670.3514220.85  679.8714416.05     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70728.00   446602.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70728.00   446602.20
  Q Total (cfs)           99217.84    Flow (cfs)              69680.64    4811.71   24725.49
  Top Width (ft)          14416.05    Top Width (ft)          10600.00     400.00    3416.05
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.69    Hydr. Depth (ft)          122.64     176.82     130.74
  Conv. Total (cfs)       451284500.0    Conv. (cfs)            316936900.0   21885670.0   112461900.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.13    3484.57
  Min Ch El (ft)            573.68    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21681.31    1266.89    8128.13
  C & E Loss (ft)                     Cum SA (acres)            175.65       7.09      60.81


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1876.69*

INPUT
Description:
Station Elevation Data    num=      35
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.65   10800  573.65   11000     60012507.62  609.48
12809.15  609.7313148.01  637.8913211.18  645.3213343.28  655.44 13412.2  658.73
13733.83  660.8613814.23  660.6314026.74   670.214222.01  679.5814417.28     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70735.49   447015.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70735.49   447015.00
  Q Total (cfs)           99217.50    Flow (cfs)              69657.22    4810.85   24749.44
  Top Width (ft)          14417.28    Top Width (ft)          10600.00     400.00    3417.28
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.72    Hydr. Depth (ft)          122.64     176.84     130.81
  Conv. Total (cfs)       451434700.0    Conv. (cfs)            316936900.0   21889120.0   112608700.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.14    3485.81
  Min Ch El (ft)            573.65    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21533.58    1258.85    8077.35
  C & E Loss (ft)                     Cum SA (acres)            174.44       7.04      60.42


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1871.74*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.63   10800  573.63   11000     60012508.17  609.45
 12809.8  609.7113148.78  637.4713211.98  644.9913344.13  655.3513413.07  658.64
13734.81  660.9313815.25  660.6714027.83  670.0514223.17  679.2814418.52     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70740.50   447422.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70740.50   447422.80
  Q Total (cfs)           99217.16    Flow (cfs)              69634.34    4809.77   24773.04
  Top Width (ft)          14418.52    Top Width (ft)          10600.00     400.00    3418.52
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.74    Hydr. Depth (ft)          122.64     176.85     130.88
  Conv. Total (cfs)       451581400.0    Conv. (cfs)            316936900.0   21891420.0   112753100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.15    3487.05
  Min Ch El (ft)            573.63    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21385.85    1250.81    8026.53
  C & E Loss (ft)                     Cum SA (acres)            173.24       6.99      60.03


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1866.79*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700   573.6   10800   573.6   11000     60012508.71  609.41
12810.46  609.6913149.56  637.0513212.78  644.6613344.97  655.2713413.94  658.55
 13735.8  660.9913816.27  660.7214028.92   669.914224.34  678.9914419.75     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70748.00   447837.10
```

```
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70748.00   447837.10
  Q Total (cfs)           99216.84    Flow (cfs)              69610.87    4808.91   24797.07
  Top Width (ft)          14419.75    Top Width (ft)          10600.00     400.00    3419.75
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.77    Hydr. Depth (ft)          122.64     176.87     130.96
  Conv. Total (cfs)       451732300.0    Conv. (cfs)             316936900.0   21894870.0   112900500.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.16    3488.28
  Min Ch El (ft)            573.60    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21238.12    1242.78    7975.67
  C & E Loss (ft)                     Cum SA (acres)            172.03       6.95      59.64


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1861.83*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.58   10800  573.58   11000     60012509.26  609.37
12811.11  609.6713150.33  636.6413213.58  644.3213345.82  655.1913414.81  658.46
13736.79  661.0513817.28  660.7614030.02  669.74 14225.5   678.714420.99     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70752.99   448254.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70752.99   448254.50
  Q Total (cfs)           99216.50    Flow (cfs)              69587.40    4807.79   24821.31
  Top Width (ft)          14420.99    Top Width (ft)          10600.00     400.00    3420.99
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.79    Hydr. Depth (ft)          122.64     176.88     131.03
  Conv. Total (cfs)       451883100.0    Conv. (cfs)             316936900.0   21897170.0   113049000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.17    3489.53
  Min Ch El (ft)            573.58    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21090.39    1234.74    7924.75
  C & E Loss (ft)                     Cum SA (acres)            170.83       6.90      59.26


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1856.88*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.56   10800  573.56   11000     600 12509.8  609.34
12811.76  609.6513151.11  636.2213214.38  643.9913346.67  655.1113415.69  658.37
13737.78  661.11 13818.3  660.8114031.11  669.5914226.67  678.4114422.22     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70758.00   448659.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70758.00   448659.90
  Q Total (cfs)           99216.16    Flow (cfs)              69564.68    4806.73   24844.75
  Top Width (ft)          14422.22    Top Width (ft)          10600.00     400.00    3422.22
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.81    Hydr. Depth (ft)          122.64     176.90     131.10
  Conv. Total (cfs)       452029100.0    Conv. (cfs)             316936900.0   21899470.0   113192700.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.18    3490.77
  Min Ch El (ft)            573.56    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20942.66    1226.69    7873.79
  C & E Loss (ft)                     Cum SA (acres)            169.62       6.86      58.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1851.93*

INPUT
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Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.53   10800  573.53   11000     60012510.35   609.3
12812.42  609.6313151.89  635.8113215.18  643.6513347.51  655.0313416.56  658.28
13738.77  661.1713819.32  660.8514032.21  669.4414227.83  678.1214423.46     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70765.49   449075.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70765.49   449075.90
  Q Total (cfs)           99215.83    Flow (cfs)              69541.16    4805.86   24868.80
  Top Width (ft)          14423.46    Top Width (ft)          10600.00     400.00    3423.46
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.84    Hydr. Depth (ft)          122.64     176.91     131.18
  Conv. Total (cfs)       452180400.0    Conv. (cfs)            316936900.0   21902920.0   113340600.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.19    3492.02
  Min Ch El (ft)            573.53    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20794.93    1218.65    7822.78
  C & E Loss (ft)                     Cum SA (acres)            168.42       6.81      58.48


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1846.98*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.51   10800  573.51   11000     60012510.89  609.26
12813.07  609.6113152.66  635.3913215.98  643.3213348.36  654.9513417.43  658.18
13739.75  661.2313820.33   660.9 14033.3  669.2914228.99  677.8214424.69     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70770.50   449494.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70770.50   449494.50
  Q Total (cfs)           99215.49    Flow (cfs)              69517.64    4804.74   24893.11
  Top Width (ft)          14424.69    Top Width (ft)          10600.00     400.00    3424.69
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.86    Hydr. Depth (ft)          122.64     176.93     131.25
  Conv. Total (cfs)       452331900.0    Conv. (cfs)            316936900.0   21905230.0   113489800.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.20    3493.27
  Min Ch El (ft)            573.51    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20647.20    1210.61    7771.73
  C & E Loss (ft)                     Cum SA (acres)            167.21       6.77      58.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1842.03*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.48   10800  573.48   11000     60012511.44  609.23
12813.73  609.5913153.44  634.9713216.78  642.9813349.21  654.87 13418.3  658.09
13740.74   661.313821.35  660.9414034.39  669.1414230.16  677.5314425.93     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
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  W.S. Elev (ft)            760.37    Reach Len. (ft)            4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70778.00   449901.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70778.00   449901.80
  Q Total (cfs)           99215.16    Flow (cfs)              69494.71    4803.91   24916.53
  Top Width (ft)          14425.93    Top Width (ft)          10600.00     400.00    3425.93
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.89    Hydr. Depth (ft)          122.64     176.95     131.32
  Conv. Total (cfs)       452479600.0    Conv. (cfs)            316936900.0   21908680.0   113634100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.21    3494.52
  Min Ch El (ft)            573.48    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20499.47    1202.57    7720.63
  C & E Loss (ft)                     Cum SA (acres)            166.01       6.72      57.70


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1837.08*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.46   10800  573.46   11000     60012511.98  609.19
12814.38  609.5713154.21  634.5613217.57  642.6513350.05  654.7913419.17     658
13741.73  661.3613822.37  660.9914035.49  668.9814231.32  677.2414427.16     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70782.99   450316.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70782.99   450316.80
  Q Total (cfs)           99214.82    Flow (cfs)              69471.45    4802.81   24940.56
  Top Width (ft)          14427.16    Top Width (ft)          10600.00     400.00    3427.16
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.91    Hydr. Depth (ft)          122.64     176.96     131.40
  Conv. Total (cfs)       452629600.0    Conv. (cfs)            316936900.0   21910970.0   113781700.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.22    3495.77
  Min Ch El (ft)            573.46    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20351.74    1194.53    7669.48
  C & E Loss (ft)                     Cum SA (acres)            164.81       6.68      57.31


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1832.13*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.43   10800  573.43   11000     60012512.53  609.15
12815.03  609.5513154.99  634.1413218.37  642.32 13350.9  654.7113420.04  657.91
13742.72  661.4213823.38  661.0314036.58  668.8314232.49  676.95 14428.4     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70790.50   450734.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70790.50   450734.40
  Q Total (cfs)           99214.49    Flow (cfs)              69447.90    4801.94   24964.66
  Top Width (ft)          14428.40    Top Width (ft)          10600.00     400.00    3428.40
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.94    Hydr. Depth (ft)          122.64     176.98     131.47
  Conv. Total (cfs)       452781600.0    Conv. (cfs)            316936900.0   21914420.0   113930300.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.23    3497.02
  Min Ch El (ft)            573.43    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20204.01    1186.48    7618.28
  C & E Loss (ft)                     Cum SA (acres)            163.60       6.63      56.92


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1827.18*
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INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.41   10800  573.41   11000     60012513.07  609.12
12815.69  609.5313155.77  633.7213219.17  641.9813351.75  654.6213420.92  657.82
 13743.7  661.48 13824.4  661.0714037.67  668.6814233.65  676.6514429.63     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70795.51   451146.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70795.51   451146.50
  Q Total (cfs)           99214.16    Flow (cfs)              69424.84    4800.85   24988.46
  Top Width (ft)          14429.63    Top Width (ft)          10600.00     400.00    3429.63
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.96    Hydr. Depth (ft)          122.64     176.99     131.54
  Conv. Total (cfs)       452930400.0    Conv. (cfs)            316936900.0   21916730.0   114076800.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.23    3498.27
  Min Ch El (ft)            573.41    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20056.28    1178.44    7567.04
  C & E Loss (ft)                     Cum SA (acres)            162.40       6.59      56.53


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1822.23*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.38   10800  573.38   11000     60012513.62  609.08
12816.34  609.5113156.54  633.3113219.97  641.6513352.59  654.5413421.79  657.73
13744.69  661.5413825.42  661.1214038.77  668.5314234.81  676.3614430.86     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70803.00   451560.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70803.00   451560.10
  Q Total (cfs)           99213.82    Flow (cfs)              69401.55    4799.99   25012.28
  Top Width (ft)          14430.86    Top Width (ft)          10600.00     400.00    3430.86
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         186.99    Hydr. Depth (ft)          122.64     177.01     131.62
  Conv. Total (cfs)       453080900.0    Conv. (cfs)            316936900.0   21920170.0   114223900.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.25    3499.53
  Min Ch El (ft)            573.38    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19908.54    1170.39    7515.75
  C & E Loss (ft)                     Cum SA (acres)            161.19       6.54      56.14


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1817.28*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.36   10800  573.36   11000     60012514.16  609.04
12816.99  609.4913157.32  632.8913220.77  641.3113353.44  654.4613422.66  657.64
13745.68   661.613826.43  661.1614039.86  668.3714235.98  676.07 14432.1     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
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```
  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70808.00   451981.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70808.00   451981.30
  Q Total (cfs)           99213.48    Flow (cfs)              69377.97    4798.86   25036.64
  Top Width (ft)          14432.10    Top Width (ft)          10600.00     400.00    3432.10
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)           0.05       0.07       0.06
  Max Chl Dpth (ft)         187.01    Hydr. Depth (ft)         122.64     177.02     131.69
  Conv. Total (cfs)       453233300.0    Conv. (cfs)            316936900.0   21922470.0   114374000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.25    3500.79
  Min Ch El (ft)            573.36    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19760.81    1162.35    7464.41
  C & E Loss (ft)                     Cum SA (acres)            159.99       6.49      55.75


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1812.33*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.33   10800  573.33   11000     60012514.71  609.01
12817.65  609.4713158.09  632.4813221.57  640.9813354.29  654.3813423.53  657.55
13746.67  661.6713827.45  661.2114040.95  668.2214237.14  675.7814433.33     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70815.49   452384.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70815.49   452384.20
  Q Total (cfs)           99213.15    Flow (cfs)              69355.39    4798.06   25059.70
  Top Width (ft)          14433.33    Top Width (ft)          10600.00     400.00    3433.33
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)           0.05       0.07       0.06
  Max Chl Dpth (ft)         187.04    Hydr. Depth (ft)         122.64     177.04     131.76
  Conv. Total (cfs)       453379400.0    Conv. (cfs)            316936900.0   21925920.0   114516600.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.27    3502.05
  Min Ch El (ft)            573.33    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19613.08    1154.30    7413.03
  C & E Loss (ft)                     Cum SA (acres)            158.78       6.45      55.36


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1807.38*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.31   10800  573.31   11000     60012515.25  608.97
 12818.3  609.4513158.87  632.0613222.37  640.6513355.13   654.3 13424.4  657.46
13747.65  661.7313828.47  661.2514042.05  668.0714238.31  675.4914434.57     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70820.50   452802.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70820.50   452802.80
  Q Total (cfs)           99212.81    Flow (cfs)              69332.02    4796.94   25083.85
  Top Width (ft)          14434.57    Top Width (ft)          10600.00     400.00    3434.57
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)           0.05       0.07       0.06
  Max Chl Dpth (ft)         187.06    Hydr. Depth (ft)         122.64     177.05     131.84
  Conv. Total (cfs)       453530700.0    Conv. (cfs)            316936900.0   21928220.0   114665600.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.27    3503.31
  Min Ch El (ft)            573.31    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19465.35    1146.25    7361.59
  C & E Loss (ft)                     Cum SA (acres)            157.58       6.40      54.97


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 1802.43*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.28   10800  573.28   11000     60012515.79  608.93
12818.95  609.4413159.65  631.6413223.17  640.3113355.98  654.2213425.27  657.37
13748.64  661.7913829.48   661.314043.14  667.9214239.47  675.19 14435.8     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70827.99   453218.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70827.99   453218.90
  Q Total (cfs)           99212.48    Flow (cfs)              69308.61    4796.08   25107.79
  Top Width (ft)          14435.80    Top Width (ft)          10600.00     400.00    3435.80
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.09    Hydr. Depth (ft)          122.64     177.07     131.91
  Conv. Total (cfs)       453682300.0    Conv. (cfs)             316936900.0   21931660.0   114813800.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.29    3504.57
  Min Ch El (ft)            573.28    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19317.62    1138.20    7310.12
  C & E Loss (ft)                     Cum SA (acres)            156.37       6.36      54.58


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1797.48*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.26   10800  573.26   11000     60012516.34   608.9
12819.61  609.4213160.42  631.2313223.96  639.9813356.83  654.1413426.14  657.28
13749.63  661.85 13830.5  661.3414044.23  667.7714240.63   674.914437.04     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70833.00   453626.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70833.00   453626.50
  Q Total (cfs)           99212.15    Flow (cfs)              69285.98    4795.01   25131.15
  Top Width (ft)          14437.04    Top Width (ft)          10600.00     400.00    3437.04
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.11    Hydr. Depth (ft)          122.64     177.08     131.98
  Conv. Total (cfs)       453829000.0    Conv. (cfs)             316936900.0   21933970.0   114958100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.29    3505.84
  Min Ch El (ft)            573.26    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19169.89    1130.15    7258.59
  C & E Loss (ft)                     Cum SA (acres)            155.17       6.31      54.19


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1792.53*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.23   10800  573.23   11000     60012516.88  608.86
12820.26   609.4 13161.2  630.8113224.76  639.6413357.67  654.0613427.01  657.19
13750.62  661.9113831.52  661.3914045.33  667.61 14241.8  674.6114438.27     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3
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CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70840.50   454046.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70840.50   454046.50
  Q Total (cfs)           99211.81    Flow (cfs)              69262.37    4794.13   25155.32
  Top Width (ft)          14438.27    Top Width (ft)          10600.00     400.00    3438.27
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.14    Hydr. Depth (ft)          122.64     177.10     132.06
  Conv. Total (cfs)       453982200.0    Conv. (cfs)            316936900.0   21937410.0   115107900.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.30    3507.11
  Min Ch El (ft)            573.23    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19022.16    1122.10    7207.02
  C & E Loss (ft)                     Cum SA (acres)            153.96       6.27      53.80


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1787.58*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.21   10800  573.21   11000     60012517.43  608.82
12820.92  609.3813161.98  630.413225.56  639.3113358.52  653.9813427.89   657.1
 13751.6  661.9813832.53  661.4314046.42  667.4614242.96  674.3214439.51     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70845.49   454461.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70845.49   454461.80
  Q Total (cfs)           99211.48    Flow (cfs)              69239.27    4793.03   25179.18
  Top Width (ft)          14439.51    Top Width (ft)          10600.00     400.00    3439.51
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.16    Hydr. Depth (ft)          122.64     177.11     132.13
  Conv. Total (cfs)       454132100.0    Conv. (cfs)            316936900.0   21939710.0   115255500.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.31    3508.38
  Min Ch El (ft)            573.21    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18874.43    1114.05    7155.40
  C & E Loss (ft)                     Cum SA (acres)            152.76       6.22      53.41


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1782.63*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.19   10800  573.19   11000     60012517.97  608.79
12821.57  609.3613162.75  629.9813226.36  638.9813359.37  653.8913428.76     657
13752.59  662.0413833.55  661.4814047.51  667.3114244.13  674.0214440.74     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70850.50   454874.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70850.50   454874.90
  Q Total (cfs)           99211.14    Flow (cfs)              69216.29    4791.95   25202.90
  Top Width (ft)          14440.74    Top Width (ft)          10600.00     400.00    3440.74
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.18    Hydr. Depth (ft)          122.64     177.13     132.20
  Conv. Total (cfs)       454281300.0    Conv. (cfs)            316936900.0   21942010.0   115402400.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.32    3509.65
  Min Ch El (ft)            573.19    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18726.70    1106.00    7103.73
  C & E Loss (ft)                     Cum SA (acres)            151.56       6.18      53.02


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 1777.67*

INPUT
Description:
Station Elevation Data     num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.16   10800  573.16   11000     60012518.52  608.75
12822.22  609.3413163.53  629.5613227.16  638.6413360.21  653.8113429.63  656.91
13753.58   662.113834.57  661.5214048.61  667.1614245.29  673.7314441.98     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70858.01   455295.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70858.01   455295.40
  Q Total (cfs)           99210.81    Flow (cfs)              69192.72    4791.07   25227.02
  Top Width (ft)          14441.98    Top Width (ft)          10600.00     400.00    3441.98
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.21    Hydr. Depth (ft)          122.64     177.15     132.28
  Conv. Total (cfs)       454434600.0    Conv. (cfs)            316936900.0   21945460.0   115552200.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.33    3510.93
  Min Ch El (ft)            573.16    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18578.97    1097.95    7052.02
  C & E Loss (ft)                     Cum SA (acres)            150.35       6.13      52.63


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1772.72*

INPUT
Description:
Station Elevation Data     num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.14   10800  573.14   11000     60012519.06  608.71
12822.88  609.32 13164.3  629.1513227.96  638.3113361.06  653.73 13430.5  656.82
13754.57  662.1613835.58  661.57 14049.7     66714246.46  673.4414443.21     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70862.99   455713.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70862.99   455713.00
  Q Total (cfs)           99210.48    Flow (cfs)              69169.48    4789.96   25251.03
  Top Width (ft)          14443.21    Top Width (ft)          10600.00     400.00    3443.21
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.23    Hydr. Depth (ft)          122.64     177.16     132.35
  Conv. Total (cfs)       454585700.0    Conv. (cfs)            316936900.0   21947750.0   115701000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.34    3512.19
  Min Ch El (ft)            573.14    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18431.24    1089.90    7000.26
  C & E Loss (ft)                     Cum SA (acres)            149.15       6.09      52.24


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1767.77*

INPUT
Description:
Station Elevation Data     num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.11   10800  573.11   11000     60012519.61  608.67
12823.53  609.313165.08  628.7313228.76  637.9713361.91  653.6513431.37  656.73
13755.56  662.22 13836.6  661.6114050.79  666.8514247.62  673.1514444.44     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
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         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70870.50   456133.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70870.50   456133.30
  Q Total (cfs)           99210.14    Flow (cfs)              69145.92    4789.08   25275.14
  Top Width (ft)          14444.44    Top Width (ft)          10600.00     400.00    3444.44
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.26    Hydr. Depth (ft)          122.64     177.18     132.43
  Conv. Total (cfs)       454739000.0    Conv. (cfs)            316936900.0   21951200.0   115851000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.35    3513.47
  Min Ch El (ft)            573.11    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18283.51    1081.85    6948.45
  C & E Loss (ft)                     Cum SA (acres)            147.94       6.04      51.84


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1762.82*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.09   10800  573.09   11000     60012520.15  608.64
12824.18  609.2813165.86  628.3113229.56  637.6413362.75  653.5713432.24  656.64
13756.54  662.2813837.62  661.6614051.89   666.714248.78  672.8614445.68     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70875.49   456542.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70875.49   456542.70
  Q Total (cfs)           99209.80    Flow (cfs)              69123.28    4788.01   25298.51
  Top Width (ft)          14445.68    Top Width (ft)          10600.00     400.00    3445.68
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.28    Hydr. Depth (ft)          122.64     177.19     132.50
  Conv. Total (cfs)       454886400.0    Conv. (cfs)            316936900.0   21953490.0   115996100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.36    3514.75
  Min Ch El (ft)            573.09    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18135.78    1073.79    6896.59
  C & E Loss (ft)                     Cum SA (acres)            146.74       5.99      51.45


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1757.87*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.06   10800  573.06   11000     600 12520.7   608.6
12824.84  609.2613166.63   627.913230.36  637.31 13363.6  653.4913433.12  656.55
13757.53  662.3513838.63   661.714052.98  666.5514249.95  672.5614446.91     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70883.00   456960.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70883.00   456960.40
  Q Total (cfs)           99209.47    Flow (cfs)              69099.91    4787.15   25322.41
  Top Width (ft)          14446.91    Top Width (ft)          10600.00     400.00    3446.91
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.31    Hydr. Depth (ft)          122.64     177.21     132.57
  Conv. Total (cfs)       455038700.0    Conv. (cfs)            316936900.0   21956940.0   116144900.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.37    3516.03
  Min Ch El (ft)            573.06    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17988.05    1065.74    6844.69
  C & E Loss (ft)                     Cum SA (acres)            145.53       5.95      51.06


Warning: The cross-section end points had to be extended vertically for the computed water surface.
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CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1752.92*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.04   10800  573.04   11000     60012521.24  608.56
12825.49  609.2413167.41  627.4813231.15  636.9713364.44  653.4113433.99  656.46
13758.52  662.4113839.65  661.7514054.07   666.414251.11  672.2714448.15     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70888.00   457380.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70888.00   457380.20
  Q Total (cfs)           99209.13    Flow (cfs)              69076.64    4786.03   25346.46
  Top Width (ft)          14448.15    Top Width (ft)          10600.00     400.00    3448.15
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.33    Hydr. Depth (ft)          122.64     177.22     132.65
  Conv. Total (cfs)       455190500.0    Conv. (cfs)            316936900.0   21959240.0   116294400.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.38    3517.31
  Min Ch El (ft)            573.04    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17840.32    1057.68    6792.73
  C & E Loss (ft)                     Cum SA (acres)            144.33       5.90      50.67


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1747.97*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.01   10800  573.01   11000     60012521.79  608.53
12826.14  609.2213168.18  627.0713231.95  636.6413365.29  653.3313434.86  656.37
13759.51  662.4713840.67  661.7914055.17  666.2414252.27  671.9814449.38     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70895.50   457790.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70895.50   457790.90
  Q Total (cfs)           99208.80    Flow (cfs)              69053.75    4785.20   25369.85
  Top Width (ft)          14449.38    Top Width (ft)          10600.00     400.00    3449.38
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.36    Hydr. Depth (ft)          122.64     177.24     132.72
  Conv. Total (cfs)       455339900.0    Conv. (cfs)            316936900.0   21962690.0   116440300.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.39    3518.59
  Min Ch El (ft)            573.01    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17692.59    1049.63    6740.74
  C & E Loss (ft)                     Cum SA (acres)            143.12       5.86      50.28


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1743.02*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.99   10800  572.99   11000     60012522.33  608.49
 12826.8   609.213168.96  626.6513232.75   636.313366.14  653.2513435.73  656.28
13760.49  662.5313841.68  661.8414056.26  666.0914253.44  671.6914450.62     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15
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Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70900.50   458211.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70900.50   458211.50
  Q Total (cfs)           99208.47    Flow (cfs)              69030.46    4784.09   25393.93
  Top Width (ft)          14450.62    Top Width (ft)          10600.00     400.00    3450.62
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.38    Hydr. Depth (ft)          122.64     177.25     132.79
  Conv. Total (cfs)       455492000.0    Conv. (cfs)            316936900.0   21964980.0   116590100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.40    3519.88
  Min Ch El (ft)            572.99    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17544.86    1041.57    6688.69
  C & E Loss (ft)                     Cum SA (acres)            141.92       5.81      49.89


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1738.07*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.96   10800  572.96   11000     60012522.88  608.45
12827.45  609.1813169.74  626.2313233.55  635.9713366.98  653.16 13436.6  656.19
13761.48  662.59 13842.7  661.8814057.35  665.94 14254.6   671.414451.85     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70907.99   458632.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70907.99   458632.70
  Q Total (cfs)           99208.13    Flow (cfs)              69006.92    4783.20   25418.00
  Top Width (ft)          14451.85    Top Width (ft)          10600.00     400.00    3451.85
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.41    Hydr. Depth (ft)          122.64     177.27     132.87
  Conv. Total (cfs)       455645800.0    Conv. (cfs)            316936900.0   21968430.0   116740500.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.41    3521.16
  Min Ch El (ft)            572.96    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17397.13    1033.51    6636.60
  C & E Loss (ft)                     Cum SA (acres)            140.71       5.77      49.49


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1733.12*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.94   10800  572.94   11000     60012523.42  608.42
 12828.1  609.1613170.51  625.8213234.35  635.6413367.83  653.0813437.47   656.1
13762.47  662.6513843.72  661.9314058.45  665.7914255.77   671.114453.09     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70913.00   459043.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70913.00   459043.30
  Q Total (cfs)           99207.80    Flow (cfs)              68984.30    4782.14   25441.36
  Top Width (ft)          14453.09    Top Width (ft)          10600.00     400.00    3453.09
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.43    Hydr. Depth (ft)          122.64     177.28     132.94
  Conv. Total (cfs)       455793700.0    Conv. (cfs)            316936900.0   21970720.0   116886100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.42    3522.46
  Min Ch El (ft)            572.94    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17249.40    1025.46    6584.46
  C & E Loss (ft)                     Cum SA (acres)            139.51       5.72      49.10
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1728.17*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.91   10800  572.91   11000     60012523.96  608.38
12828.76  609.1413171.29  625.413235.15  635.313368.68     65313438.34  656.01
13763.46  662.7213844.73  661.9714059.54  665.6314256.93  670.8114454.32     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70920.51   459465.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70920.51   459465.10
  Q Total (cfs)           99207.47    Flow (cfs)              68960.77    4781.26   25465.44
  Top Width (ft)          14454.32    Top Width (ft)          10600.00     400.00    3454.32
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.46    Hydr. Depth (ft)          122.64     177.30     133.01
  Conv. Total (cfs)       455947700.0    Conv. (cfs)            316936900.0   21974170.0   117036600.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.43    3523.74
  Min Ch El (ft)            572.91    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17101.67    1017.40    6532.27
  C & E Loss (ft)                     Cum SA (acres)            138.31       5.68      48.71


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1723.22*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.89   10800  572.89   11000     60012524.51  608.34
12829.41  609.1213172.06  624.9813235.95  634.9713369.52  652.9213439.22  655.92
13764.44  662.7813845.75  662.0214060.63  665.4814258.09  670.5214455.56     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70925.49   459885.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70925.49   459885.00
  Q Total (cfs)           99207.13    Flow (cfs)              68937.58    4780.15   25489.41
  Top Width (ft)          14455.56    Top Width (ft)          10600.00     400.00    3455.56
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.48    Hydr. Depth (ft)          122.64     177.31     133.09
  Conv. Total (cfs)       456099500.0    Conv. (cfs)            316936900.0   21976460.0   117186200.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.44    3525.04
  Min Ch El (ft)            572.89    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16953.94    1009.34    6480.03
  C & E Loss (ft)                     Cum SA (acres)            137.10       5.63      48.32


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1718.27*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.86   10800  572.86   11000     60012525.05  608.31
12830.07  609.113172.84  624.5713236.75  634.6313370.37  652.8413440.09  655.82
13765.43  662.8413846.77  662.0614061.73  665.3314259.26  670.2314456.79     695

Manning's n Values        num=       3
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     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70933.00   460298.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70933.00   460298.10
  Q Total (cfs)           99206.80    Flow (cfs)              68914.63    4779.30   25512.86
  Top Width (ft)          14456.79    Top Width (ft)          10600.00     400.00    3456.79
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.51    Hydr. Depth (ft)          122.64     177.33     133.16
  Conv. Total (cfs)       456249900.0    Conv. (cfs)            316936900.0   21979910.0   117333100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.45    3526.33
  Min Ch El (ft)            572.86    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16806.21    1001.28    6427.75
  C & E Loss (ft)                     Cum SA (acres)            135.90       5.59      47.92


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1713.32*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.84   10800  572.84   11000     600 12525.6  608.27
12830.72  609.0813173.62  624.1513237.55   634.313371.22  652.7613440.96  655.73
13766.42   662.913847.79   662.114062.82  665.1814260.42  669.9314458.02     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70937.99   460721.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70937.99   460721.20
  Q Total (cfs)           99206.46    Flow (cfs)              68891.23    4778.18   25537.05
  Top Width (ft)          14458.02    Top Width (ft)          10600.00     400.00    3458.02
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.53    Hydr. Depth (ft)          122.64     177.35     133.23
  Conv. Total (cfs)       456403300.0    Conv. (cfs)            316936900.0   21982200.0   117484200.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.46    3527.62
  Min Ch El (ft)            572.84    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16658.47     993.22    6375.42
  C & E Loss (ft)                     Cum SA (acres)            134.69       5.54      47.53


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1708.37*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.81   10800  572.81   11000     60012526.14  608.23
12831.37  609.0713174.39  623.7413238.34  633.9713372.06  652.6813441.83  655.64
13767.41  662.96 13848.8  662.1514063.92  665.0214261.59  669.6414459.26     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70945.50   461138.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70945.50   461138.50
  Q Total (cfs)           99206.13    Flow (cfs)              68868.08    4777.32   25560.73
  Top Width (ft)          14459.26    Top Width (ft)          10600.00     400.00    3459.26
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.56    Hydr. Depth (ft)          122.64     177.36     133.31
  Conv. Total (cfs)       456555200.0    Conv. (cfs)            316936900.0   21985650.0   117632700.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.47    3528.92
  Min Ch El (ft)            572.81    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16510.74     985.15    6323.04
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  C & E Loss (ft)                     Cum SA (acres)            133.49       5.49      47.14

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1703.42*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.79   10800  572.79   11000     60012526.69  608.2
12832.03  609.0513175.17  623.3213239.14  633.6313372.91   652.6 13442.7  655.55
 13768.4  663.0213849.82  662.1914065.01  664.8714262.75  669.3514460.49     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70950.50   461552.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70950.50   461552.10
  Q Total (cfs)           99205.80    Flow (cfs)              68845.33    4776.24   25584.23
  Top Width (ft)          14460.49    Top Width (ft)          10600.00     400.00    3460.49
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.58    Hydr. Depth (ft)          122.64     177.38     133.38
  Conv. Total (cfs)       456704500.0    Conv. (cfs)            316936900.0   21987940.0   117779700.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.48    3530.22
  Min Ch El (ft)            572.79    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16363.01     977.09    6270.62
  C & E Loss (ft)                     Cum SA (acres)            132.28       5.45      46.74


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1698.46*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.77   10800  572.77   11000     60012527.23  608.16
12832.68  609.0313175.94   622.913239.94   633.313373.76  652.5213443.57  655.46
13769.38  663.0913850.83  662.24 14066.1  664.7214263.92  669.0614461.73     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70955.49   461971.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70955.49   461971.10
  Q Total (cfs)           99205.46    Flow (cfs)              68822.27    4775.14   25608.04
  Top Width (ft)          14461.73    Top Width (ft)          10600.00     400.00    3461.73
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.60    Hydr. Depth (ft)          122.64     177.39     133.45
  Conv. Total (cfs)       456856000.0    Conv. (cfs)            316936900.0   21990230.0   117928900.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.49    3531.53
  Min Ch El (ft)            572.77    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16215.28     969.03    6218.14
  C & E Loss (ft)                     Cum SA (acres)            131.08       5.40      46.35


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1693.51*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.74   10800  572.74   11000     60012527.78  608.12
12833.33  609.0113176.72  622.4913240.74  632.96 13374.6  652.4313444.44  655.37
13770.37  663.1513851.85  662.28 14067.2  664.5714265.08  668.7714462.96     695
```

```
Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70963.00   462392.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70963.00   462392.90
  Q Total (cfs)           99205.13    Flow (cfs)              68798.84    4774.26   25632.03
  Top Width (ft)          14462.96    Top Width (ft)          10600.00     400.00    3462.96
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.63    Hydr. Depth (ft)          122.64     177.41     133.53
  Conv. Total (cfs)       457010000.0    Conv. (cfs)             316936900.0   21993680.0   118079500.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.50    3532.82
  Min Ch El (ft)            572.74    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16067.55     960.97    6165.62
  C & E Loss (ft)                     Cum SA (acres)            129.87       5.36      45.96


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1688.56*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.72   10800  572.72   11000     60012528.32  608.09
12833.99  608.99 13177.5  622.0713241.54  632.6313375.45  652.3513445.32  655.28
13771.36  663.2113852.87  662.3314068.29  664.4214266.24  668.47 14464.2     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70968.01   462807.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70968.01   462807.30
  Q Total (cfs)           99204.80    Flow (cfs)              68776.13    4773.19   25655.49
  Top Width (ft)          14464.20    Top Width (ft)          10600.00     400.00    3464.20
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.65    Hydr. Depth (ft)          122.64     177.42     133.60
  Conv. Total (cfs)       457159500.0    Conv. (cfs)             316936900.0   21995980.0   118226600.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.51    3534.14
  Min Ch El (ft)            572.72    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15919.83     952.90    6113.05
  C & E Loss (ft)                     Cum SA (acres)            128.67       5.31      45.56


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1683.61*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.69   10800  572.69   11000     60012528.87  608.05
12834.64  608.9713178.27  621.6513242.34  632.29 13376.3  652.2713446.19  655.19
13772.35  663.2713853.88  662.3714069.38  664.2614267.41  668.1814465.43     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70975.50   463232.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70975.50   463232.60
  Q Total (cfs)           99204.46    Flow (cfs)              68752.50    4772.29   25679.67
  Top Width (ft)          14465.43    Top Width (ft)          10600.00     400.00    3465.43
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.68    Hydr. Depth (ft)          122.64     177.44     133.67
  Conv. Total (cfs)       457315000.0    Conv. (cfs)             316936900.0   21999420.0   118378800.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.52    3535.44
  Min Ch El (ft)            572.69    Shear (lb/sq ft)            0.00       0.00       0.00
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  Alpha                        1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    15772.10     944.84    6060.44
  C & E Loss (ft)                      Cum SA (acres)            127.46       5.27      45.17


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1678.66*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.67   10800  572.67   11000     60012529.41  608.01
12835.29  608.9513179.05  621.2413243.14  631.9613377.14  652.1913447.06   655.1
13773.33  663.33 13854.9  662.4214070.48  664.1114268.57  667.8914466.67     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70980.50   463652.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70980.50   463652.30
  Q Total (cfs)           99204.13    Flow (cfs)              68729.46    4771.19   25703.48
  Top Width (ft)          14466.67    Top Width (ft)          10600.00     400.00    3466.67
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.70    Hydr. Depth (ft)          122.64     177.45     133.75
  Conv. Total (cfs)       457466800.0    Conv. (cfs)            316936900.0   22001710.0   118528200.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.53    3536.75
  Min Ch El (ft)            572.67    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15624.37     936.77    6007.77
  C & E Loss (ft)                     Cum SA (acres)            126.26       5.22      44.78


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1673.71*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.64   10800  572.64   11000     60012529.96  607.98
12835.95  608.9313179.82  620.8213243.94  631.6313377.99  652.1113447.93  655.01
13774.32   663.413855.92  662.4614071.57  663.9614269.74   667.6 14467.9     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70987.99   464064.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70987.99   464064.00
  Q Total (cfs)           99203.80    Flow (cfs)              68706.75    4770.36   25726.69
  Top Width (ft)          14467.90    Top Width (ft)          10600.00     400.00    3467.90
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.73    Hydr. Depth (ft)          122.64     177.47     133.82
  Conv. Total (cfs)       457616400.0    Conv. (cfs)            316936900.0   22005150.0   118674400.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.54    3538.06
  Min Ch El (ft)            572.64    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15476.64     928.70    5955.06
  C & E Loss (ft)                     Cum SA (acres)            125.06       5.18      44.38


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1668.76*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.62   10800  572.62   11000     600 12530.5  607.94
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 12836.6  608.91 13180.6  620.4113244.74  631.2913378.84  652.03 13448.8  654.92
13775.31  663.4613856.94  662.5114072.66  663.81 14270.9   667.314469.14     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   70993.00   464486.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   70993.00   464486.90
  Q Total (cfs)           99203.47    Flow (cfs)              68683.54    4769.25   25750.69
  Top Width (ft)          14469.14    Top Width (ft)          10600.00     400.00    3469.14
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.75    Hydr. Depth (ft)          122.64     177.48     133.89
  Conv. Total (cfs)       457769600.0    Conv. (cfs)            316936900.0   22007450.0   118825300.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.55    3539.37
  Min Ch El (ft)            572.62    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15328.91     920.64    5902.30
  C & E Loss (ft)                     Cum SA (acres)            123.85       5.13      43.99


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1663.81*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.59   10800  572.59   11000   60012531.05   607.9
12837.25  608.8913181.38  619.9913245.53  630.9613379.68  651.9513449.67  654.83
 13776.3  663.5213857.95  662.5514073.76  663.6514272.06  667.0114470.37     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   71000.49   464911.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   71000.49   464911.80
  Q Total (cfs)           99203.13    Flow (cfs)              68660.02    4768.36   25774.76
  Top Width (ft)          14470.37    Top Width (ft)          10600.00     400.00    3470.37
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.78    Hydr. Depth (ft)          122.64     177.50     133.97
  Conv. Total (cfs)       457924900.0    Conv. (cfs)            316936900.0   22010880.0   118977200.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.56    3540.68
  Min Ch El (ft)            572.59    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15181.18     912.57    5849.50
  C & E Loss (ft)                     Cum SA (acres)            122.65       5.09      43.59


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1658.86*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.57   10800  572.57   11000   60012531.59  607.87
12837.91  608.8713182.15  619.5713246.33  630.6213380.53  651.8713450.54  654.73
13777.28  663.5813858.97   662.614074.85   663.514273.23  666.72 14471.6     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   71005.50   465327.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   71005.50   465327.40
  Q Total (cfs)           99202.80    Flow (cfs)              68637.27    4767.27   25798.26
  Top Width (ft)          14471.60    Top Width (ft)          10600.00     400.00    3471.60
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.80    Hydr. Depth (ft)          122.64     177.51     134.04
  Conv. Total (cfs)       458075100.0    Conv. (cfs)            316936900.0   22013180.0   119125100.0
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```
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.57    3541.99
  Min Ch El (ft)            572.57    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15033.45     904.50    5796.64
  C & E Loss (ft)                     Cum SA (acres)            121.44       5.04      43.20


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1653.91*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.54   10800  572.54   11000     60012532.13  607.83
12838.56  608.8513182.93  619.1613247.13  630.2913381.38  651.7813451.42  654.64
13778.27  663.6413859.99  662.6414075.94  663.3514274.39  666.4314472.84     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   71013.00   465750.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   71013.00   465750.60
  Q Total (cfs)           99202.47    Flow (cfs)              68613.91    4766.40   25822.17
  Top Width (ft)          14472.84    Top Width (ft)          10600.00     400.00    3472.84
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.83    Hydr. Depth (ft)          122.64     177.53     134.11
  Conv. Total (cfs)       458229600.0    Conv. (cfs)            316936900.0   22016620.0   119276100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.58    3543.31
  Min Ch El (ft)            572.54    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14885.72     896.43    5743.74
  C & E Loss (ft)                     Cum SA (acres)            120.24       4.99      42.80


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1648.96*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.52   10800  572.52   11000     60012532.68  607.79
12839.22  608.83 13183.7  618.7413247.93  629.9613382.22  651.713452.29  654.55
13779.26   663.7   13861  662.6914077.04   663.214275.56  666.1414474.07     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   71017.99   466172.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   71017.99   466172.70
  Q Total (cfs)           99202.14    Flow (cfs)              68590.78    4765.29   25846.08
  Top Width (ft)          14474.07    Top Width (ft)          10600.00     400.00    3474.07
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.85    Hydr. Depth (ft)          122.64     177.55     134.19
  Conv. Total (cfs)       458382500.0    Conv. (cfs)            316936900.0   22018910.0   119426800.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.59    3544.63
  Min Ch El (ft)            572.52    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14737.99     888.36    5690.79
  C & E Loss (ft)                     Cum SA (acres)            119.03       4.95      42.41


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1644.01*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
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    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.49   10800  572.49   11000     60012533.22  607.75
12839.87  608.8113184.48  618.3213248.73  629.6213383.07  651.6213453.16  654.46
13780.25  663.7713862.02  662.7314078.13  663.0514276.72  665.8414475.31     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   71025.50   466598.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   71025.50   466598.20
  Q Total (cfs)           99201.80    Flow (cfs)              68567.30    4764.40   25870.09
  Top Width (ft)          14475.31    Top Width (ft)          10600.00     400.00    3475.31
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.88    Hydr. Depth (ft)          122.64     177.56     134.26
  Conv. Total (cfs)       458537900.0    Conv. (cfs)            316936900.0   22022360.0   119578600.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.60    3545.95
  Min Ch El (ft)            572.49    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14590.26     880.29    5637.79
  C & E Loss (ft)                     Cum SA (acres)            117.83       4.90      42.01


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1639.06*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.47   10800  572.47   11000     60012533.77  607.72
12840.52  608.7913185.26  617.9113249.53  629.2913383.92  651.5413454.03  654.37
13781.23  663.8313863.04  662.7814079.22  662.8914277.88  665.5514476.54     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   71030.51   467011.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   71030.51   467011.60
  Q Total (cfs)           99201.48    Flow (cfs)              68544.77    4763.33   25893.38
  Top Width (ft)          14476.54    Top Width (ft)          10600.00     400.00    3476.54
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.90    Hydr. Depth (ft)          122.64     177.58     134.33
  Conv. Total (cfs)       458687100.0    Conv. (cfs)            316936900.0   22024650.0   119725600.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.61    3547.27
  Min Ch El (ft)            572.47    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14442.53     872.22    5584.75
  C & E Loss (ft)                     Cum SA (acres)            116.62       4.86      41.62


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1634.11*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.44   10800  572.44   11000     60012534.31  607.68
12841.18  608.7713186.03  617.4913250.33  628.9513384.76  651.46 13454.9  654.28
13782.22  663.8913864.05  662.8214080.32  662.7414279.05  665.2614477.78     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   71038.00   467437.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   71038.00   467437.40
  Q Total (cfs)           99201.14    Flow (cfs)              68521.31    4762.44   25917.39
  Top Width (ft)          14477.78    Top Width (ft)          10600.00     400.00    3477.78
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
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  Max Chl Dpth (ft)         187.93    Hydr. Depth (ft)          122.64     177.60     134.41
  Conv. Total (cfs)       458842600.0    Conv. (cfs)            316936900.0   22028090.0   119877700.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.62    3548.60
  Min Ch El (ft)            572.44    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14294.80     864.15    5531.65
  C & E Loss (ft)                     Cum SA (acres)            115.42       4.81      41.22


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1629.16*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.42   10800  572.42   11000     60012534.86  607.64
12841.83  608.7513186.81  617.0813251.13  628.6213385.61  651.3813455.77  654.19
13783.21  663.9513865.07  662.8714081.41  662.5914280.21  664.9714479.01     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   71043.00   467858.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   71043.00   467858.20
  Q Total (cfs)           99200.81    Flow (cfs)              68498.33    4761.34   25941.14
  Top Width (ft)          14479.01    Top Width (ft)          10600.00     400.00    3479.01
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.95    Hydr. Depth (ft)          122.64     177.61     134.48
  Conv. Total (cfs)       458995100.0    Conv. (cfs)            316936900.0   22030380.0   120027800.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.63    3549.92
  Min Ch El (ft)            572.42    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14147.07     856.08    5478.51
  C & E Loss (ft)                     Cum SA (acres)            114.21       4.77      40.83


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1624.21*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700   572.4   10800   572.4   11000     600 12535.4  607.61
12842.48  608.7313187.58  616.6613251.92  628.2913386.46   651.313456.64   654.1
 13784.2  664.0113866.08  662.91 14082.5  662.4414281.38  664.6714480.25     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   71047.99   468276.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   71047.99   468276.20
  Q Total (cfs)           99200.48    Flow (cfs)              68475.57    4760.25   25964.65
  Top Width (ft)          14480.25    Top Width (ft)          10600.00     400.00    3480.25
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         187.97    Hydr. Depth (ft)          122.64     177.62     134.55
  Conv. Total (cfs)       459146000.0    Conv. (cfs)            316936900.0   22032670.0   120176500.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.63    3551.25
  Min Ch El (ft)            572.40    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13999.34     848.00    5425.32
  C & E Loss (ft)                     Cum SA (acres)            113.01       4.72      40.43


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1619.25*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
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    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.37   10800  572.37   11000     60012535.95  607.57
12843.14  608.7113188.36  616.2413252.72  627.95 13387.3  651.2213457.52  654.01
13785.19  664.07 13867.1  662.96 14083.6  662.2814282.54  664.3814481.48     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   71055.50   468702.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   71055.50   468702.40
  Q Total (cfs)           99200.15    Flow (cfs)              68452.11    4759.37   25988.68
  Top Width (ft)          14481.48    Top Width (ft)          10600.00     400.00    3481.48
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         188.00    Hydr. Depth (ft)          122.64     177.64     134.63
  Conv. Total (cfs)       459301900.0    Conv. (cfs)            316936900.0   22036110.0   120328900.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.65    3552.58
  Min Ch El (ft)            572.37    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13851.61     839.93    5372.08
  C & E Loss (ft)                     Cum SA (acres)            111.81       4.68      40.04


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1614.30*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.35   10800  572.35   11000     60012536.49  607.53
12843.79  608.713189.14  615.8313253.52  627.6213388.15  651.1413458.39  653.92
13786.17  664.1413868.12     66314084.69  662.13 14283.7  664.0914482.72     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   71060.50   469120.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   71060.50   469120.60
  Q Total (cfs)           99199.81    Flow (cfs)              68429.36    4758.28   26012.17
  Top Width (ft)          14482.72    Top Width (ft)          10600.00     400.00    3482.72
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         188.02    Hydr. Depth (ft)          122.64     177.65     134.70
  Conv. Total (cfs)       459453000.0    Conv. (cfs)            316936900.0   22038400.0   120477800.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.65    3553.91
  Min Ch El (ft)            572.35    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13703.88     831.85    5318.80
  C & E Loss (ft)                     Cum SA (acres)            110.60       4.63      39.64


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1609.35*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.32   10800  572.32   11000     60012537.04  607.5
12844.44  608.6813189.91  615.4113254.32  627.28   13389  651.0513459.26  653.83
13787.16   664.213869.14  663.0514085.79  661.9814284.87   663.814483.95     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   71068.00   469537.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   71068.00   469537.10
  Q Total (cfs)           99199.48    Flow (cfs)              68406.54    4757.43   26035.51
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  Top Width (ft)          14483.95    Top Width (ft)          10600.00     400.00    3483.95
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         188.05    Hydr. Depth (ft)          122.64     177.67     134.77
  Conv. Total (cfs)       459604800.0    Conv. (cfs)            316936900.0   22041840.0   120626100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.67    3555.24
  Min Ch El (ft)            572.32    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13556.15     823.78    5265.47
  C & E Loss (ft)                     Cum SA (acres)            109.40       4.59      39.25


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1604.40*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700   572.3   10800   572.3   11000     60012537.58  607.46
 12845.1  608.6613190.69  614.9913255.12  626.9513389.84  650.9713460.13  653.74
13788.15  664.2613870.15  663.0914086.88  661.8314286.03  663.5114485.19     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   71073.00   469963.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   71073.00   469963.10
  Q Total (cfs)           99199.16    Flow (cfs)              68383.35    4756.32   26059.49
  Top Width (ft)          14485.19    Top Width (ft)          10600.00     400.00    3485.19
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         188.07    Hydr. Depth (ft)          122.64     177.68     134.85
  Conv. Total (cfs)       459759100.0    Conv. (cfs)            316936900.0   22044130.0   120778200.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.67    3556.58
  Min Ch El (ft)            572.30    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13408.42     815.70    5212.08
  C & E Loss (ft)                     Cum SA (acres)            108.19       4.54      38.85


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1599.45*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.27   10800  572.27   11000     60012538.13  607.42
12845.75  608.6413191.46  614.5813255.92  626.6213390.69  650.89   13461  653.65
13789.14  664.3213871.17  663.1314087.97  661.67 14287.2  663.2114486.42     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   71080.49   470390.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   71080.49   470390.60
  Q Total (cfs)           99198.82    Flow (cfs)              68359.86    4755.42   26083.54
  Top Width (ft)          14486.42    Top Width (ft)          10600.00     400.00    3486.42
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         188.10    Hydr. Depth (ft)          122.64     177.70     134.92
  Conv. Total (cfs)       459915600.0    Conv. (cfs)            316936900.0   22047570.0   120931200.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.69    3557.91
  Min Ch El (ft)            572.27    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13260.69     807.62    5158.66
  C & E Loss (ft)                     Cum SA (acres)            106.99       4.49      38.45


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1594.50*

INPUT
Description:
Station Elevation Data    num=      35
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     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.25   10800  572.25   11000     60012538.67  607.39
12846.41  608.6213192.24  614.1613256.72  626.2813391.53  650.8113461.87  653.55
13790.12  664.3813872.19  663.1814089.07  661.5214288.36  662.9214487.65     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   71085.50   470808.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   71085.50   470808.30
  Q Total (cfs)           99198.49    Flow (cfs)              68337.18    4754.34   26106.97
  Top Width (ft)          14487.65    Top Width (ft)          10600.00     400.00    3487.65
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         188.12    Hydr. Depth (ft)          122.64     177.71     134.99
  Conv. Total (cfs)       460066700.0    Conv. (cfs)            316936900.0   22049860.0   121079900.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.69    3559.25
  Min Ch El (ft)            572.25    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13112.96     799.55    5105.18
  C & E Loss (ft)                     Cum SA (acres)            105.78       4.45      38.06


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1589.55*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.22   10800  572.22   11000     60012539.21  607.35
12847.06  608.613193.02  613.7513257.52  625.9513392.38  650.7313462.75  653.46
13791.11  664.44 13873.2  663.2214090.16  661.3714289.52  662.6314488.89     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   71093.01   471232.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   71093.01   471232.80
  Q Total (cfs)           99198.16    Flow (cfs)              68313.94    4753.46   26130.75
  Top Width (ft)          14488.89    Top Width (ft)          10600.00     400.00    3488.89
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         188.15    Hydr. Depth (ft)          122.64     177.73     135.07
  Conv. Total (cfs)       460221600.0    Conv. (cfs)            316936900.0   22053300.0   121231500.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.71    3560.59
  Min Ch El (ft)            572.22    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12965.24     791.47    5051.65
  C & E Loss (ft)                     Cum SA (acres)            104.58       4.40      37.66


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1584.60*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700   572.2   10800   572.2   11000     60012539.76  607.31
12847.71  608.5813193.79  613.3313258.32  625.6113393.23  650.6513463.62  653.37
 13792.1  664.5113874.22  663.2714091.25  661.2214290.69  662.3414490.12     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   71097.99   471656.40
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  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   71097.99   471656.40
  Q Total (cfs)           99197.83    Flow (cfs)              68290.92    4752.36   26154.55
  Top Width (ft)          14490.12    Top Width (ft)          10600.00     400.00    3490.12
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         188.17    Hydr. Depth (ft)          122.64     177.75     135.14
  Conv. Total (cfs)       460375200.0    Conv. (cfs)             316936900.0   22055590.0   121382800.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.72    3561.93
  Min Ch El (ft)            572.20    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12817.51     783.39    4998.08
  C & E Loss (ft)                     Cum SA (acres)            103.37       4.36      37.27


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1579.65*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.17   10800  572.17   11000     600 12540.3  607.28
12848.37  608.5613194.57  612.9113259.11  625.2813394.07  650.5713464.49  653.28
13793.09  664.5713875.24  663.3114092.35  661.0714291.85  662.0514491.36     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   71105.50   472073.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   71105.50   472073.80
  Q Total (cfs)           99197.50    Flow (cfs)              68268.19    4751.51   26177.80
  Top Width (ft)          14491.36    Top Width (ft)          10600.00     400.00    3491.36
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         188.20    Hydr. Depth (ft)          122.64     177.76     135.21
  Conv. Total (cfs)       460527000.0    Conv. (cfs)             316936900.0   22059030.0   121531100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.73    3563.27
  Min Ch El (ft)            572.17    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12669.78     775.31    4944.46
  C & E Loss (ft)                     Cum SA (acres)            102.17       4.31      36.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1574.70*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.15   10800  572.15   11000     60012540.85  607.24
12849.02  608.5413195.34  612.513259.91  624.9513394.92  650.4913465.36  653.19
13794.07  664.6313876.25  663.3614093.44  660.9114293.02  661.7514492.59     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   71110.49   472500.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   71110.49   472500.70
  Q Total (cfs)           99197.17    Flow (cfs)              68244.98    4750.39   26201.80
  Top Width (ft)          14492.59    Top Width (ft)          10600.00     400.00    3492.59
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         188.22    Hydr. Depth (ft)          122.64     177.78     135.29
  Conv. Total (cfs)       460682100.0    Conv. (cfs)             316936900.0   22061320.0   121683900.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.74    3564.61
  Min Ch El (ft)            572.15    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12522.05     767.23    4890.79
  C & E Loss (ft)                     Cum SA (acres)            100.96       4.27      36.47


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1569.75*

INPUT
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```
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.12   10800  572.12   11000     60012541.39   607.2
12849.67  608.5213196.12  612.0813260.71  624.6113395.77  650.4113466.23   653.1
13795.06  664.6913877.27   663.414094.53  660.7614294.18  661.4614493.83     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   71118.00   472929.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   71118.00   472929.00
  Q Total (cfs)           99196.84    Flow (cfs)              68221.58    4749.50   26225.76
  Top Width (ft)          14493.83    Top Width (ft)          10600.00     400.00    3493.83
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         188.25    Hydr. Depth (ft)          122.64     177.80     135.36
  Conv. Total (cfs)       460838600.0    Conv. (cfs)           316936900.0   22064760.0   121837000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.75    3565.96
  Min Ch El (ft)            572.12    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12374.32     759.15    4837.07
  C & E Loss (ft)                     Cum SA (acres)             99.76       4.22      36.08


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1564.80*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700   572.1   10800   572.1   11000     60012541.94  607.17
12850.33   608.5 13196.9  611.6613261.51  624.2813396.61  650.32 13467.1  653.01
13796.05  664.7513878.29  663.4514095.63  660.6114295.34  661.1714495.06     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   71123.00   473345.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   71123.00   473345.80
  Q Total (cfs)           99196.51    Flow (cfs)              68199.04    4748.43   26249.04
  Top Width (ft)          14495.06    Top Width (ft)          10600.00     400.00    3495.06
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         188.27    Hydr. Depth (ft)          122.64     177.81     135.43
  Conv. Total (cfs)       460989300.0    Conv. (cfs)           316936900.0   22067050.0   121985400.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.76    3567.31
  Min Ch El (ft)            572.10    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12226.59     751.07    4783.31
  C & E Loss (ft)                     Cum SA (acres)             98.56       4.18      35.68


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1559.85*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.07   10800  572.07   11000     60012542.48  607.13
12850.98  608.4813197.67  611.2513262.31  623.9413397.46  650.2413467.97  652.92
13797.04  664.81 13879.3  663.4914096.72  660.4614296.51  660.88 14496.3     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
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  W.S. Elev (ft)            760.37    Reach Len. (ft)            4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   71130.50   473772.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   71130.50   473772.60
  Q Total (cfs)           99196.18    Flow (cfs)              68175.76    4747.54   26272.87
  Top Width (ft)          14496.30    Top Width (ft)          10600.00     400.00    3496.30
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         188.30    Hydr. Depth (ft)          122.64     177.83     135.51
  Conv. Total (cfs)       461145200.0    Conv. (cfs)            316936900.0   22070480.0   122137900.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.77    3568.66
  Min Ch El (ft)            572.07    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12078.86     742.98    4729.49
  C & E Loss (ft)                     Cum SA (acres)             97.35       4.13      35.28


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1554.90*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.05   10800  572.05   11000   60012543.03  607.09
12851.63  608.4613198.45  610.8313263.11  623.6113398.31  650.1613468.84  652.83
13798.02  664.8813880.32  663.5414097.81   660.314297.67  660.5814497.53     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   71135.50   474200.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   71135.50   474200.00
  Q Total (cfs)           99195.85    Flow (cfs)              68152.60    4746.42   26296.83
  Top Width (ft)          14497.53    Top Width (ft)          10600.00     400.00    3497.53
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         188.32    Hydr. Depth (ft)          122.64     177.84     135.58
  Conv. Total (cfs)       461300400.0    Conv. (cfs)            316936900.0   22072770.0   122290800.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.78    3570.01
  Min Ch El (ft)            572.05    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11931.13     734.90    4675.63
  C & E Loss (ft)                     Cum SA (acres)             96.15       4.09      34.88


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1549.95*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.02   10800  572.02   11000   60012543.57  607.06
12852.29  608.4413199.22  610.4213263.91  623.2813399.15  650.0813469.72  652.74
13799.01  664.9413881.34  663.5814098.91  660.1514298.84  660.2914498.77     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            4.95       4.95       4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   71142.99   474616.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   71142.99   474616.90
  Q Total (cfs)           99195.52    Flow (cfs)              68129.98    4745.59   26319.96
  Top Width (ft)          14498.77    Top Width (ft)          10600.00     400.00    3498.77
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         188.35    Hydr. Depth (ft)          122.64     177.86     135.65
  Conv. Total (cfs)       461452000.0    Conv. (cfs)            316936900.0   22076200.0   122439000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.13     405.79    3571.37
  Min Ch El (ft)            572.02    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11783.40     726.82    4621.72
  C & E Loss (ft)                     Cum SA (acres)             94.94       4.04      34.49


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1545
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INPUT
Description:
Station Elevation Data    num=      30
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700     572   10800     572   11000     600   13200     610
   13400     650   13800     665   14100     660   14300     660   14500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1300022.00   71148.00   475045.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300022.00   71148.00   475045.00
  Q Total (cfs)           99195.19    Flow (cfs)              68106.80    4744.46   26343.93
  Top Width (ft)          14500.00    Top Width (ft)          10600.00     400.00    3500.00
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         188.37    Hydr. Depth (ft)          122.64     177.87     135.73
  Conv. Total (cfs)       461607600.0    Conv. (cfs)            316936900.0   22078500.0   122592200.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10648.13     405.80    3572.72
  Min Ch El (ft)            572.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11635.67     718.73    4567.76
  C & E Loss (ft)                     Cum SA (acres)             93.74       3.99      34.09


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1535.26*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.22  680.72  600.33     680  982.03  676.18 1000.55     676
 1276.63  677.84 1300.72  677.99 1964.05  667.56 2001.11  667.02 2160.46  669.41
 2201.22     670 2749.67     670 2801.55  669.97  3731.7  651.37 3802.11     650
 4419.12     650  4502.5  649.75 4517.32  648.27 4602.55     640 4713.73     640
 4802.66  639.87 5106.54  624.67 5202.89  619.98 5793.95  614.91 5903.27     614
  7659.8     614 7758.01  614.03 7804.33  614.03 7904.38     615 8249.02     615
 8249.02  614.85 8404.66  614.85 8404.66     610 9034.64     610 9205.11  609.94
 9623.86  605.06 9805.44  602.92 9820.26   602.710005.55     60010605.88     600
10708.82  571.9710808.82  571.9711008.82     60011427.94  601.9912852.94  608.38
13020.59  609.1213221.76  610.9413272.06  620.8813422.94  650.1613691.18  660.15
13825.29  664.8813858.82  664.3114110.29  660.2714127.06  660.0414328.24  660.54
14529.41     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510605.88     .1511008.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10605.8811008.82             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1300955.00   71668.27   477355.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300955.00   71668.27   477355.60
  Q Total (cfs)           99194.54    Flow (cfs)              68021.66    4770.16   26402.71
  Top Width (ft)          14529.41    Top Width (ft)          10605.88     402.94    3520.59
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         188.40    Hydr. Depth (ft)          122.66     177.86     135.59
  Conv. Total (cfs)       462566100.0    Conv. (cfs)            317200100.0   22244330.0   123121700.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10653.98     408.64    3593.02
  Min Ch El (ft)            571.97    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11344.88     702.76    4461.28
  C & E Loss (ft)                     Cum SA (acres)             91.37       3.90      33.30


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1525.52*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.54  680.7  600.67  679.99  982.57  676.17 1001.11  676.01
 1277.34  677.85 1301.44  677.98 1965.14  667.55 2002.22  667.03 2161.66  669.42
 2202.44     670  2751.2     670 2803.11  669.94 3733.77  651.32 3804.22     650
 4421.57     650 4504.99   649.5 4519.83  648.02 4605.11     640 4716.34     640
 4805.33  639.73 5109.37  624.53 5205.77  619.95 5797.17  614.88 5906.55     614
 7664.05     614 7762.31  614.06 7808.66  614.06 7908.77     615 8253.59     615
 8253.59  614.71 8409.32  614.71 8409.32     610 9039.65     610 9210.21  609.88
 9629.19  604.99 9810.88  602.84 9825.71  602.61 10011.1     60010611.76     600
10717.65  571.9410817.65  571.9411017.65     60011439.22  602.0812872.55  608.43
13041.18  609.1413243.53  611.8813294.12  621.7613445.88  650.3213715.69  660.29
13850.59  664.7613884.31  664.1814137.25  660.2614154.12  660.0814356.47  661.07
14558.82     695
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Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510611.76     .1511017.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10611.7611017.65             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1301903.00   72190.32   479667.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1301903.00   72190.32   479667.10
  Q Total (cfs)           99193.89    Flow (cfs)              67937.16    4795.78   26460.96
  Top Width (ft)          14558.82    Top Width (ft)          10611.76     405.89    3541.17
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         188.43    Hydr. Depth (ft)          122.68     177.86     135.45
  Conv. Total (cfs)       463531000.0    Conv. (cfs)            317469000.0   22410560.0   123651500.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10659.83     411.50    3613.32
  Min Ch El (ft)            571.94    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11053.88     686.68    4354.29
  C & E Loss (ft)                     Cum SA (acres)             88.99       3.81      32.51


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1515.79*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.87  680.68     601  679.99  983.12  676.17 1001.66  676.01
 1278.05  677.85 1302.16  677.97 1966.23  667.53 2003.33  667.05 2162.85  669.44
 2203.66     670 2752.72     670 2804.66  669.91 3735.84  651.28 3806.33     650
 4424.02     650 4507.49  649.25 4522.33  647.77 4607.66     640 4718.95     640
 4807.99   639.6  5112.2  624.39 5208.66  619.93 5800.38  614.85 5909.82     614
  7668.3     614 7766.61  614.09 7812.99  614.09 7913.15     615 8258.17     615
 8258.17  614.56 8413.98  614.56 8413.98     610 9044.66     610 9215.32  609.82
 9634.53  604.93 9816.32  602.76 9831.15  602.5310016.65     60010617.65     600
10726.47  571.9110826.47  571.9111026.47     60011450.49  602.1712892.16  608.48
13061.76  609.1713265.29  612.8213316.18  622.6513468.82  650.48 13740.2  660.44
13875.88  664.65 13909.8  664.0514164.22  660.2514181.18  660.1214384.71  661.61
14588.24     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510617.65     .1511026.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10617.6511026.47             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1302839.00   72708.73   481968.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1302839.00   72708.73   481968.10
  Q Total (cfs)           99193.24    Flow (cfs)              67853.65    4821.11   26518.48
  Top Width (ft)          14588.24    Top Width (ft)          10617.65     408.82    3561.77
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.06
  Max Chl Dpth (ft)         188.46    Hydr. Depth (ft)          122.71     177.85     135.32
  Conv. Total (cfs)       464485000.0    Conv. (cfs)            317733300.0   22575480.0   124176200.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10665.69     414.35    3633.66
  Min Ch El (ft)            571.91    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10762.67     670.48    4246.78
  C & E Loss (ft)                     Cum SA (acres)             86.62       3.72      31.72


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1506.05*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   590.2  680.65  601.33  679.99  983.66  676.16 1002.22  676.01
 1278.76  677.86 1302.89  677.95 1967.32  667.51 2004.44  667.07 2164.05  669.46
 2204.88     670 2754.25     670 2806.22  669.88 3737.91  651.24 3808.44     650
 4426.47     650 4509.99     649 4524.84  647.52 4610.21     640 4721.57     640
 4810.65  639.47 5115.03  624.25 5211.54   619.9 5803.59  614.83  5913.1     614
 7672.55     614 7770.92  614.12 7817.31  614.12 7917.54     615 8262.75     615
 8262.75  614.41 8418.65  614.41 8418.65     610 9049.67     610 9220.42  609.76
 9639.87  604.87 9821.75  602.67  9836.6  602.45 10022.2     60010623.53     600
10735.29  571.8810835.29  571.8811035.29     60011461.76  602.2612911.76  608.53
13082.35   609.213287.06  613.7613338.24  623.5313491.76  650.6413764.71  660.59
13901.18  664.5313935.29  663.9214191.18  660.2514208.24  660.1614412.94  662.14
14617.65     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510623.53     .1511035.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10623.5311035.29             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             9.74       9.74       9.74
```

```
  Crit W.S. (ft)                      Flow Area (sq ft)       1303782.00   73229.25   484264.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1303782.00   73229.25   484264.60
  Q Total (cfs)           99192.59    Flow (cfs)              67770.86    4846.45   26575.29
  Top Width (ft)          14617.65    Top Width (ft)          10623.53     411.76    3582.36
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.05
  Max Chl Dpth (ft)         188.49    Hydr. Depth (ft)          122.73     177.84     135.18
  Conv. Total (cfs)       465440200.0    Conv. (cfs)            318000400.0   22740930.0   124698900.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10671.54     417.21    3654.00
  Min Ch El (ft)            571.88    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10471.25     654.17    4138.75
  C & E Loss (ft)                     Cum SA (acres)             84.25       3.63      30.92


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1496.32*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.52  680.63  601.66  679.98   984.2  676.16 1002.77  676.02
 1279.47  677.86 1303.61  677.94 1968.41   667.5 2005.55  667.08 2165.25  669.48
  2206.1     670 2755.77     670 2807.77  669.84 3739.98   651.2 3810.54     650
 4428.92     650 4512.49  648.75 4527.34  647.27 4612.76     640 4724.18     640
 4813.32  639.33 5117.86  624.11 5214.43  619.88 5806.81   614.8 5916.37     614
  7676.8     614 7775.22  614.15 7821.64  614.15 7921.92     615 8267.32     615
 8267.32  614.26 8423.31  614.26 8423.31     610 9054.68     610 9225.53   609.7
 9645.21  604.81 9827.19  602.59 9842.05  602.3710027.75     60010629.41     600
10744.12  571.8510844.12  571.8511044.12     60011473.04  602.3512931.37  608.58
13102.94  609.2213308.82  614.7113360.29  624.4113514.71  650.7913789.22  660.74
13926.47  664.4113960.78  663.7914218.14  660.2414235.29  660.2114441.18  662.68
14647.06     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510629.41     .1511044.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10629.4111044.12             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1304723.00   73751.59   486555.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1304723.00   73751.59   486555.10
  Q Total (cfs)           99191.94    Flow (cfs)              67688.63    4871.80   26631.51
  Top Width (ft)          14647.06    Top Width (ft)          10629.41     414.71    3602.94
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.05
  Max Chl Dpth (ft)         188.52    Hydr. Depth (ft)          122.75     177.84     135.04
  Conv. Total (cfs)       466392400.0    Conv. (cfs)            318266400.0   22906820.0   125219200.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10677.39     420.08    3674.34
  Min Ch El (ft)            571.85    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10179.62     637.73    4030.22
  C & E Loss (ft)                     Cum SA (acres)             81.87       3.54      30.12


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1486.58*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.85  680.61     602  679.98  984.75  676.15 1003.33  676.02
 1280.17  677.87 1304.33  677.93  1969.5  667.48 2006.66   667.1 2166.45   669.5
 2207.33     670  2757.3     670 2809.32  669.81 3742.05  651.16 3812.65     650
 4431.37     650 4514.98   648.5 4529.85  647.02 4615.32     640  4726.8     640
 4815.98   639.2  5120.7  623.97 5217.31  619.85 5810.02  614.77 5919.65     614
 7681.05     614 7779.52  614.18 7825.97  614.18  7926.3     615  8271.9     615
  8271.9  614.12 8427.97  614.12 8427.97     610  9059.7     610 9230.63  609.64
 9650.54  604.74 9832.63  602.51 9847.49  602.29 10033.3     60010635.29     600
10752.94  571.8210852.94  571.8211052.94     60011484.31  602.4412950.98  608.63
13123.53  609.2513330.59  615.6513382.35  625.2913537.65  650.9513813.73  660.88
13951.76  664.2913986.27  663.66 14245.1  660.2314262.35  660.2514469.41  663.21
14676.47     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510635.29     .1511052.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10635.2911052.94             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1305664.00   74272.28   488844.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1305664.00   74272.28   488844.00
  Q Total (cfs)           99191.29    Flow (cfs)              67607.02    4896.94   26687.33
  Top Width (ft)          14676.47    Top Width (ft)          10635.29     417.65    3623.53
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.05
  Max Chl Dpth (ft)         188.55    Hydr. Depth (ft)          122.77     177.83     134.91
  Conv. Total (cfs)       467343000.0    Conv. (cfs)            318532700.0   23072070.0   125738200.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10683.25     422.95    3694.71
  Min Ch El (ft)            571.82    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9887.78     621.18    3921.17
  C & E Loss (ft)                     Cum SA (acres)             79.49       3.45      29.31
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Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1476.85*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.18  680.59  602.33  679.98  985.29  676.15 1003.88  676.03
 1280.88  677.87 1305.05  677.92 1970.59  667.46 2007.77  667.12 2167.65  669.51
 2208.55     670 2758.82     670 2810.88  669.78 3744.12  651.12 3814.76     650
 4433.82     650 4517.48  648.25 4532.35  646.76 4617.87     640 4729.41     640
 4818.65  639.07 5123.53  623.82  5220.2  619.83 5813.24  614.74 5922.92     614
 7685.29     614 7783.82  614.21  7830.3  614.21 7930.69     615 8276.47     615
 8276.47  613.97 8432.63  613.97 8432.63     610 9064.71     610 9235.74  609.58
 9655.88  604.68 9838.07  602.43 9852.94  602.2110038.85     60010641.18     600
10761.76  571.7910861.76  571.7911061.76     60011495.59  602.5312970.59  608.68
13144.12  609.2813352.35  616.5913404.41  626.1813560.59  651.1113838.24  661.03
13977.06  664.1814011.76  663.5314272.06  660.2214289.41  660.2914497.65  663.75
14705.88     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510641.18     .1511061.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10641.1811061.76             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1306603.00   74791.21   491121.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1306603.00   74791.21   491121.50
  Q Total (cfs)           99190.63    Flow (cfs)              67526.51    4921.90   26742.23
  Top Width (ft)          14705.88    Top Width (ft)          10641.18     420.58    3644.12
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.05
  Max Chl Dpth (ft)         188.58    Hydr. Depth (ft)          122.79     177.83     134.77
  Conv. Total (cfs)       468286900.0    Conv. (cfs)             318798000.0   23236660.0   126252200.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10689.12     425.82    3715.09
  Min Ch El (ft)            571.79    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9595.73     604.52    3811.61
  C & E Loss (ft)                     Cum SA (acres)             77.11       3.35      28.50


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1467.11*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   591.5  680.57  602.66  679.97  985.84  676.14 1004.44  676.03
 1281.59  677.88 1305.77  677.91 1971.68  667.45 2008.88  667.13 2168.85  669.53
 2209.77     670 2760.35     670 2812.43  669.75 3746.19  651.08 3816.87     650
 4436.27     650 4519.98     648 4534.86  646.51 4620.42     640 4732.03     640
 4821.31  638.93 5126.36  623.68 5223.09   619.8 5816.45  614.72 5926.19     614
 7689.54     614 7788.13  614.24 7834.63  614.24 7935.07     615 8281.05     615
 8281.05  613.82 8437.29  613.82 8437.29     610 9069.72     610 9240.84  609.52
 9661.22  604.62 9843.51  602.35 9858.39  602.12 10044.4     60010647.06     600
10770.59  571.7610870.59  571.7611070.59     60011506.86  602.62 12990.2  608.73
13164.71   609.313374.12  617.5313426.47  627.0613583.53  651.2713862.75  661.18
14002.35  664.0614037.25   663.414299.02  660.2114316.47  660.3314525.88  664.28
14735.29     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510647.06     .1511070.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10647.0611070.59             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1307543.00   75313.80   493397.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1307543.00   75313.80   493397.50
  Q Total (cfs)           99189.98    Flow (cfs)              67446.26    4946.97   26796.75
  Top Width (ft)          14735.29    Top Width (ft)          10647.06     423.53    3664.70
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.05
  Max Chl Dpth (ft)         188.61    Hydr. Depth (ft)          122.81     177.82     134.64
  Conv. Total (cfs)       469231300.0    Conv. (cfs)             319063500.0   23402300.0   126765600.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10694.98     428.70    3735.48
  Min Ch El (ft)            571.76    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9303.47     587.74    3701.54
  C & E Loss (ft)                     Cum SA (acres)             74.73       3.26      27.68


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1457.38*

INPUT
Description:
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Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.83  680.54     603  679.97  986.38  676.14 1004.99  676.03
  1282.3  677.88 1306.49   677.9 1972.77  667.43 2009.99  667.15 2170.04  669.55
 2210.99     670 2761.87     670 2813.98  669.72 3748.26  651.03 3818.98     650
 4438.73     650 4522.48  647.75 4537.36  646.26 4622.97     640 4734.64     640
 4823.97   638.8 5129.19  623.54 5225.97  619.78 5819.66  614.69 5929.47     614
 7693.79     614 7792.43  614.26 7838.96  614.26 7939.46     615 8285.62     615
 8285.62  613.68 8441.95  613.68 8441.95     610 9074.73     610 9245.95  609.46
 9666.56  604.56 9848.95  602.27 9863.83  602.0410049.94     60010652.94     600
10779.41  571.7410879.41  571.7411079.41     60011518.14  602.72 13009.8  608.77
13185.29  609.3313395.88  618.4713448.53  627.9413606.47  651.4313887.25  661.32
14027.65  663.9414062.75  663.2714325.98   660.214343.53  660.3714554.12  664.82
14764.71     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510652.94     .1511079.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10652.9411079.41             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1308487.00   75831.97   495666.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1308487.00   75831.97   495666.90
  Q Total (cfs)           99189.33    Flow (cfs)              67367.23    4971.58   26850.52
  Top Width (ft)          14764.71    Top Width (ft)          10652.94     426.47    3685.30
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.05
  Max Chl Dpth (ft)         188.63    Hydr. Depth (ft)          122.83     177.81     134.50
  Conv. Total (cfs)       470172400.0    Conv. (cfs)             319330800.0   23566050.0   127275500.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10700.84     431.58    3755.89
  Min Ch El (ft)            571.74    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9011.00     570.84    3590.96
  C & E Loss (ft)                     Cum SA (acres)             72.35       3.16      26.86


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1447.64*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.16  680.52  603.33  679.97  986.93  676.13 1005.55  676.04
 1283.01  677.89 1307.21  677.89 1973.86  667.41  2011.1  667.17 2171.24  669.57
 2212.21     670  2763.4     670 2815.54  669.69 3750.33  650.99 3821.09     650
 4441.18     650 4524.97   647.5 4539.87  646.01 4625.53     640 4737.25     640
 4826.64  638.67 5132.03   623.4 5228.86  619.75 5822.88  614.66 5932.74     614
 7698.04     614 7796.73  614.29 7843.29  614.29 7943.84     615  8290.2     615
  8290.2  613.53 8446.62  613.53 8446.62     610 9079.74     610 9251.05   609.4
  9671.9  604.49 9854.38  602.18 9869.28  601.9610055.49     60010658.82     600
10788.24  571.7110888.24  571.7111088.24     60011529.41  602.8113029.41  608.82
13205.88  609.3613417.65  619.4113470.59  628.8213629.41  651.5913911.76  661.47
14052.94  663.8214088.24  663.1414352.94   660.214370.59  660.4114582.35  665.35
14794.12     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510658.82     .1511088.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10658.8211088.24             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1309430.00   76354.71   497928.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1309430.00   76354.71   497928.30
  Q Total (cfs)           99188.67    Flow (cfs)              67288.68    4996.48   26903.51
  Top Width (ft)          14794.12    Top Width (ft)          10658.82     429.42    3705.88
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.05
  Max Chl Dpth (ft)         188.66    Hydr. Depth (ft)          122.85     177.81     134.36
  Conv. Total (cfs)       471111500.0    Conv. (cfs)             319597700.0   23731540.0   127782300.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10706.71     434.47    3776.30
  Min Ch El (ft)            571.71    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8718.32     553.82    3479.88
  C & E Loss (ft)                     Cum SA (acres)             69.97       3.07      26.03


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1437.91*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.48   680.5  603.66  679.96  987.47  676.13  1006.1  676.04
 1283.71  677.89 1307.94  677.88 1974.95  667.39 2012.21  667.18 2172.44  669.59
 2213.43     670 2764.92     670 2817.09  669.66  3752.4  650.95  3823.2     650
 4443.63     650 4527.47  647.25 4542.38  645.76 4628.08     640 4739.87     640
  4829.3  638.53 5134.86  623.26 5231.74  619.73 5826.09  614.63 5936.02     614
 7702.29     614 7801.03  614.32 7847.61  614.32 7948.22     615 8294.77     615
 8294.77  613.38 8451.28  613.38 8451.28     610 9084.75     610 9256.16  609.34
 9677.23  604.43 9859.82   602.1 9874.73  601.8810061.04     60010664.71     600
10797.06  571.6810897.06  571.6811097.06     60011540.69   602.913049.02  608.87
13226.47  609.3913439.41  620.3513492.65  629.7113652.35  651.7513936.27  661.62
```

```
14078.24  663.7114113.73  663.01 14379.9  660.1914397.65  660.4514610.59  665.89
14823.53     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510664.71     .1511097.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10664.7111097.06             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1310373.00   76873.98   500183.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1310373.00   76873.98   500183.20
  Q Total (cfs)           99188.02    Flow (cfs)              67211.07    5021.08   26955.88
  Top Width (ft)          14823.53    Top Width (ft)          10664.71     432.35    3726.47
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.05
  Max Chl Dpth (ft)         188.69    Hydr. Depth (ft)          122.87     177.81     134.22
  Conv. Total (cfs)       472046300.0    Conv. (cfs)            319864600.0   23895870.0   128285900.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10712.58     437.34    3796.74
  Min Ch El (ft)            571.68    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8425.42     536.69    3368.29
  C & E Loss (ft)                     Cum SA (acres)             67.59       2.97      25.20


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1428.17*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.81  680.48     604  679.96  988.02  676.12 1006.66  676.04
 1284.42   677.9 1308.66  677.86 1976.03  667.38 2013.32   667.2 2173.64   669.6
 2214.65     670 2766.45     670 2818.65  669.63 3754.47  650.91 3825.31     650
 4446.08     650 4529.97     647 4544.88  645.51 4630.63     640 4742.48     640
 4831.96   638.4 5137.69  623.12 5234.63   619.7  5829.3  614.61 5939.29     614
 7706.54     614 7805.34  614.35 7851.94  614.35 7952.61     615 8299.35     615
 8299.35  613.24 8455.94  613.24 8455.94     610 9089.76     610 9261.27  609.29
 9682.57  604.37 9865.26  602.02 9880.17   601.810066.59     60010670.59     600
10805.88  571.6510905.88  571.6511105.88     60011551.96  602.9913068.63  608.92
13247.06  609.4113461.18  621.2913514.71  630.5913675.29  651.9113960.78  661.76
14103.53  663.5914139.22  662.8814406.86  660.1814424.71  660.4914638.82  666.42
14852.94     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510670.59     .1511105.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10670.5911105.88             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1311306.00   77395.14   502440.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1311306.00   77395.14   502440.00
  Q Total (cfs)           99187.36    Flow (cfs)              67133.29    5045.73   27008.34
  Top Width (ft)          14852.94    Top Width (ft)          10670.59     435.29    3747.06
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.05
  Max Chl Dpth (ft)         188.72    Hydr. Depth (ft)          122.89     177.80     134.09
  Conv. Total (cfs)       472978000.0    Conv. (cfs)            320127200.0   24060710.0   128790100.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10718.45     440.23    3817.18
  Min Ch El (ft)            571.65    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8132.32     519.45    3256.20
  C & E Loss (ft)                     Cum SA (acres)             65.20       2.87      24.37


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1418.44*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.14  680.46  604.33  679.96  988.56  676.11 1007.21  676.05
 1285.13   677.9 1309.38  677.85 1977.12  667.36 2014.43  667.22 2174.84  669.62
 2215.87     670 2767.97     670  2820.2   669.6 3756.54  650.87 3827.41     650
 4448.53     650 4532.46  646.75 4547.39  645.26 4633.19     640  4745.1     640
 4834.63  638.27 5140.52  622.97 5237.51  619.68 5832.52  614.58 5942.56     614
 7710.78     614 7809.64  614.38 7856.27  614.38 7956.99     615 8303.92     615
 8303.92  613.09  8460.6  613.09  8460.6     610 9094.77     610 9266.37  609.23
 9687.91  604.31  9870.7  601.94 9885.62  601.7210072.14     60010676.47     600
10814.71  571.6210914.71  571.6211114.71     60011563.24  603.0813088.24  608.97
13267.65  609.4413482.94  622.2413536.76  631.4713698.24  652.0613985.29  661.91
14128.82  663.4714164.71  662.7514433.82  660.1714451.76  660.5414667.06  666.96
14882.35     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510676.47     .1511114.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10676.4711114.71             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
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  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1312246.00   77918.16   504683.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1312246.00   77918.16   504683.70
  Q Total (cfs)           99186.69    Flow (cfs)              67056.72    5070.40   27059.57
  Top Width (ft)          14882.35    Top Width (ft)          10676.47     438.24    3767.64
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)           0.05       0.07       0.05
  Max Chl Dpth (ft)         188.75    Hydr. Depth (ft)         122.91     177.80     133.95
  Conv. Total (cfs)       473907700.0    Conv. (cfs)            320392800.0   24226070.0   129288900.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10724.32     443.13    3837.62
  Min Ch El (ft)            571.62    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    7839.01     502.08    3143.60
  C & E Loss (ft)                     Cum SA (acres)            62.81       2.78      23.53


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1408.70*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.46  680.44  604.66  679.95  989.11  676.11 1007.77  676.05
 1285.84  677.91  1310.1  677.84 1978.21  667.34 2015.54  667.23 2176.03  669.64
 2217.09     670  2769.5     670 2821.75  669.56 3758.61  650.83 3829.52     650
 4450.98     650 4534.96   646.5 4549.89  645.01 4635.74     640 4747.71     640
 4837.29  638.14 5143.35  622.83  5240.4  619.65 5835.73  614.55 5945.84     614
 7715.03     614 7813.94  614.41  7860.6  614.41 7961.38     615  8308.5     615
  8308.5  612.94 8465.26  612.94 8465.26     610 9099.78     610 9271.48  609.17
 9693.25  604.25 9876.14  601.86 9891.07  601.6310077.69     60010682.35     600
10823.53  571.5910923.53  571.5911123.53     60011574.51  603.1713107.84  609.02
13288.24  609.4713504.71  623.1813558.82  632.3513721.18  652.22 14009.8  662.06
14154.12  663.35 14190.2  662.6114460.78  660.1614478.82  660.5814695.29  667.49
14911.76     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510682.35     .1511123.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10682.3511123.53             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1313195.00   78439.55   506927.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1313195.00   78439.55   506927.10
  Q Total (cfs)           99186.01    Flow (cfs)              66980.83    5094.84   27110.34
  Top Width (ft)          14911.76    Top Width (ft)          10682.35     441.18    3788.23
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)           0.05       0.06       0.05
  Max Chl Dpth (ft)         188.78    Hydr. Depth (ft)         122.93     177.79     133.82
  Conv. Total (cfs)       474839700.0    Conv. (cfs)            320661800.0   24390860.0   129787100.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10730.20     446.02    3858.09
  Min Ch El (ft)            571.59    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    7545.48     484.60    3030.50
  C & E Loss (ft)                     Cum SA (acres)            60.43       2.68      22.68


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1398.97*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.79  680.41  604.99  679.95  989.65   676.1 1008.32  676.06
 1286.55  677.91 1310.82  677.83  1979.3  667.33 2016.65  667.25 2177.23  669.66
 2218.31     670 2771.02     670 2823.31  669.53 3760.68  650.79 3831.63     650
 4453.43     650 4537.46  646.25  4552.4  644.76 4638.29     640 4750.33     640
 4839.96     638 5146.19  622.69 5243.29  619.63 5838.94  614.52 5949.11     614
 7719.28     614 7818.25  614.44 7864.93  614.44 7965.76     615 8313.07     615
 8313.07  612.79 8469.92  612.79 8469.92     610 9104.79     610 9276.58  609.11
 9698.58  604.18 9881.58  601.78 9896.51  601.5510083.24     60010688.24     600
10832.35  571.5610932.35  571.5611132.35     60011585.78  603.2613127.45  609.07
13308.82  609.4913526.47  624.1213580.88  633.2413744.12  652.3814034.31  662.21
14179.41  663.2414215.69  662.4814487.75  660.1614505.88  660.6214723.53  668.03
14941.18     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510688.24     .1511132.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10688.2411132.35             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1314139.00   78959.00   509160.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1314139.00   78959.00   509160.60
  Q Total (cfs)           99185.32    Flow (cfs)              66905.85    5119.12   27160.36
  Top Width (ft)          14941.18    Top Width (ft)          10688.24     444.11    3808.83
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)           0.05       0.06       0.05
  Max Chl Dpth (ft)         188.81    Hydr. Depth (ft)         122.95     177.79     133.68
  Conv. Total (cfs)       475764700.0    Conv. (cfs)            320929000.0   24554990.0   130280800.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10736.08     448.90    3878.58
  Min Ch El (ft)            571.56    Shear (lb/sq ft)           0.00       0.00       0.00
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  Alpha                        1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)     7251.75     467.00    2916.90
  C & E Loss (ft)                      Cum SA (acres)             58.04       2.58      21.83


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1389.23*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.12  680.39  605.33  679.95   990.2   676.1 1008.88  676.06
 1287.25  677.92 1311.54  677.82 1980.39  667.31 2017.76  667.27 2178.43  669.68
 2219.53     670 2772.55     670 2824.86   669.5 3762.75  650.75 3833.74     650
 4455.88     650 4539.96     646  4554.9  644.51 4640.84     640 4752.94     640
 4842.62  637.87 5149.02  622.55 5246.17   619.6 5842.16   614.5 5952.39     614
 7723.53     614 7822.55  614.47 7869.26  614.47 7970.14     615 8317.65     615
 8317.65  612.65 8474.58  612.65 8474.58     610  9109.8     610 9281.69  609.05
 9703.92  604.12 9887.01  601.69 9901.96  601.4710088.79     60010694.12     600
10841.18  571.5310941.18  571.5311141.18     60011597.06  603.3613147.06  609.12
13329.41  609.5213548.24  625.0613602.94  634.1213767.06  652.5414058.82  662.35
14204.71  663.1214241.18  662.3514514.71  660.1514532.94  660.6614751.76  668.56
14970.59     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510694.12     .1511141.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10694.1211141.18             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)             760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             760.37    Reach Len. (ft)             9.74       9.74       9.74
  Crit W.S. (ft)                       Flow Area (sq ft)       1315075.00   79482.27   511382.00
  E.G. Slope (ft/ft)       0.000000    Area (sq ft)            1315075.00   79482.27   511382.00
  Q Total (cfs)            99184.63    Flow (cfs)              66831.45    5143.61   27209.57
  Top Width (ft)           14970.59    Top Width (ft)          10694.12     447.06    3829.41
  Vel Total (ft/s)             0.05    Avg. Vel. (ft/s)            0.05       0.06       0.05
  Max Chl Dpth (ft)          188.84    Hydr. Depth (ft)          122.97     177.79     133.54
  Conv. Total (cfs)        476682600.0    Conv. (cfs)            321192800.0   24720250.0   130769600.0
  Length Wtd. (ft)             9.74    Wetted Per. (ft)        10741.96     451.81    3899.06
  Min Ch El (ft)             571.53    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                        1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)     6957.80     449.29    2802.81
  C & E Loss (ft)                      Cum SA (acres)             55.65       2.48      20.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1379.5*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.44  680.37  605.66  679.94  990.74  676.09 1009.43  676.06
 1287.96  677.92 1312.26  677.81 1981.48  667.29 2018.87  667.28 2179.63  669.69
 2220.75     670 2774.07     670 2826.42  669.47 3764.81   650.7 3835.85     650
 4458.33     650 4542.45  645.75 4557.41  644.26  4643.4     640 4755.56     640
 4845.28  637.74 5151.85  622.41 5249.06  619.58 5845.37  614.47 5955.66     614
 7727.78     614 7826.85   614.5 7873.58   614.5 7974.53     615 8322.22     615
 8322.22   612.5 8479.25   612.5 8479.25     610 9114.81     610 9286.79  608.99
 9709.26  604.06 9892.45  601.61 9907.41  601.3910094.34     600   10700     600
   10850   571.5   10950   571.5   11150     60011608.33  603.4513166.67  609.17
   13350  609.55   13570     626   13625     635   13790   652.714083.33   662.5
   14230     66314266.67  662.2214541.67  660.14   14560   660.7   14780   669.1
   15000     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10700     .15   11150     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10700   11150             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)             760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)                0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)             760.37    Reach Len. (ft)             9.74       9.74       9.74
  Crit W.S. (ft)                       Flow Area (sq ft)       1316025.00   80003.95   513604.80
  E.G. Slope (ft/ft)       0.000000    Area (sq ft)            1316025.00   80003.95   513604.80
  Q Total (cfs)            99183.95    Flow (cfs)              66757.75    5167.84   27258.37
  Top Width (ft)           15000.00    Top Width (ft)          10700.00     450.00    3850.00
  Vel Total (ft/s)             0.05    Avg. Vel. (ft/s)            0.05       0.06       0.05
  Max Chl Dpth (ft)          188.87    Hydr. Depth (ft)          122.99     177.79     133.40
  Conv. Total (cfs)        477605700.0    Conv. (cfs)            321462100.0   24884970.0   131258600.0
  Length Wtd. (ft)             9.74    Wetted Per. (ft)        10747.84     454.70    3919.56
  Min Ch El (ft)             571.50    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                        1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)     6663.65     431.46    2688.21
  C & E Loss (ft)                      Cum SA (acres)             53.25       2.38      20.12


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1369.76*
```

```
INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.77  680.35  605.99  679.94  991.29  676.09 1009.99  676.07
 1288.67  677.92 1312.99   677.8 1982.57  667.27 2019.98   667.3 2180.83  669.71
 2221.98     670  2775.6     670 2827.97  669.44 3766.88  650.66 3837.96     650
 4460.78     650 4544.95  645.51 4559.91  644.01 4645.95     640 4758.17     640
 4847.95   637.6 5154.68  622.27 5251.94  619.55 5848.58  614.44 5958.93     614
 7732.03     614 7831.15  614.53 7877.91  614.53 7978.91     615  8326.8     615
  8326.8  612.35 8483.91  612.35 8483.91     610 9119.83     610  9291.9  608.93
  9714.6     604 9897.89  601.53 9912.85  601.3110099.89     60010705.88     600
10858.82  571.4710958.82  571.4711158.82     60011619.61  603.5413186.27  609.22
13370.59  609.5713591.76  626.9413647.06  635.8813812.94  652.8614107.84  662.65
14255.29  662.8814292.16  662.0914568.63  660.1314587.06  660.7414808.24  669.64
15029.41     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510705.88     .1511158.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10705.8811158.82             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1316967.00   80525.70   515824.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1316967.00   80525.70   515824.10
  Q Total (cfs)           99183.27    Flow (cfs)              66684.35    5192.02   27306.89
  Top Width (ft)          15029.41    Top Width (ft)          10705.88     452.94    3870.59
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.06       0.05
  Max Chl Dpth (ft)         188.90    Hydr. Depth (ft)          123.01     177.78     133.27
  Conv. Total (cfs)       478524100.0    Conv. (cfs)            321728300.0   25049670.0   131746100.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10753.72     457.60    3940.07
  Min Ch El (ft)            571.47    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6369.28     413.51    2573.12
  C & E Loss (ft)                     Cum SA (acres)             50.86       2.28      19.26


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1360.02*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   595.1  680.33  606.33  679.94  991.83  676.08 1010.54  676.07
 1289.38  677.93 1313.71  677.78 1983.66  667.26 2021.09  667.32 2182.03  669.73
  2223.2     670 2777.12     670 2829.52  669.41 3768.95  650.62 3840.07     650
 4463.24     650 4547.45  645.26 4562.42  643.76  4648.5     640 4760.78     640
 4850.61  637.47 5157.52  622.12 5254.83  619.53  5851.8  614.41 5962.21     614
 7736.27     614 7835.46  614.56 7882.24  614.56  7983.3     615 8331.37     615
 8331.37  612.21 8488.57  612.21 8488.57     610 9124.84     610    9297  608.87
 9719.93  603.93 9903.33  601.45  9918.3  601.2310105.44     60010711.76     600
10867.65  571.4410967.65  571.4411167.65     60011630.88  603.6313205.88  609.26
13391.18   609.613613.53  627.8813669.12  636.7613835.88  653.0214132.35  662.79
14280.59  662.7614317.65  661.9614595.59  660.1214614.12  660.7814836.47  670.17
15058.82     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510711.76     .1511167.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10711.7611167.65             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1317909.00   81049.24   518047.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1317909.00   81049.24   518047.30
  Q Total (cfs)           99182.58    Flow (cfs)              66610.92    5216.19   27355.46
  Top Width (ft)          15058.82    Top Width (ft)          10711.76     455.89    3891.17
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.06       0.05
  Max Chl Dpth (ft)         188.93    Hydr. Depth (ft)          123.03     177.78     133.13
  Conv. Total (cfs)       479444800.0    Conv. (cfs)            321994700.0   25214880.0   132235300.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10759.60     460.51    3960.58
  Min Ch El (ft)            571.44    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6074.70     395.45    2457.54
  C & E Loss (ft)                     Cum SA (acres)             48.47       2.18      18.39


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1350.29*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.42   680.3  606.66  679.93  992.37  676.08  1011.1  676.07
 1290.09  677.93 1314.43  677.77 1984.75  667.24  2022.2  667.33 2183.22  669.75
 2224.42     670 2778.65     670 2831.08  669.38 3771.02  650.58 3842.18     650
 4465.69     650 4549.94  645.01 4564.92  643.51 4651.05     640  4763.4     640
 4853.27  637.34 5160.35  621.98 5257.71  619.51 5855.01  614.39 5965.48     614
 7740.52     614 7839.76  614.59 7886.57  614.59 7987.68     615 8335.95     615
 8335.95  612.06 8493.23  612.06 8493.23     610 9129.85     610 9302.11  608.81
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 9725.27  603.87 9908.77  601.37 9923.75  601.1410110.99     60010717.65     600
10876.47  571.4110976.47  571.4111176.47     60011642.16  603.7213225.49  609.31
13411.76  609.6313635.29  628.8213691.18  637.6513858.82  653.1814156.86  662.94
14305.88  662.6514343.14  661.8314622.55  660.1114641.18  660.8214864.71  670.71
15088.24     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510717.65     .1511176.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10717.6511176.47             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1318854.00   81569.13   520252.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1318854.00   81569.13   520252.30
  Q Total (cfs)           99181.89    Flow (cfs)              66539.15    5240.12   27402.62
  Top Width (ft)          15088.24    Top Width (ft)          10717.65     458.82    3911.77
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.06       0.05
  Max Chl Dpth (ft)         188.96    Hydr. Depth (ft)          123.05     177.78     133.00
  Conv. Total (cfs)       480356700.0    Conv. (cfs)             322261700.0   25378910.0   132716100.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10765.50     463.41    3981.12
  Min Ch El (ft)            571.41    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5779.91     377.27    2341.46
  C & E Loss (ft)                     Cum SA (acres)             46.07       2.07      17.52


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1340.55*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.75  680.28  606.99  679.93  992.92  676.07 1011.65  676.08
  1290.8  677.94 1315.15  677.76 1985.84  667.22 2023.31  667.35 2184.42  669.77
 2225.64     670 2780.17     670 2832.63  669.35 3773.09  650.54 3844.28     650
 4468.14     650 4552.44  644.76 4567.43  643.26 4653.61     640 4766.01     640
 4855.94   637.2 5163.18  621.84  5260.6  619.48 5858.22  614.36 5968.76     614
 7744.77     614 7844.06  614.62  7890.9  614.62 7992.06     615 8340.52     615
 8340.52  611.91 8497.89  611.91 8497.89     610 9134.86     610 9307.21  608.75
 9730.61  603.81 9914.21  601.29 9929.19  601.0610116.54     60010723.53     600
10885.29  571.3810985.29  571.3811185.29     60011653.43  603.81 13245.1  609.36
13432.35  609.6513657.06  629.7613713.24  638.5313881.76  653.3414181.37  663.09
14331.18  662.5314368.63   661.714649.51  660.1114668.24  660.8614892.94  671.24
15117.65     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510723.53     .1511185.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10723.5311185.29             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1319797.00   82091.14   522455.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1319797.00   82091.14   522455.40
  Q Total (cfs)           99181.20    Flow (cfs)              66467.63    5264.09   27449.48
  Top Width (ft)          15117.65    Top Width (ft)          10723.53     461.76    3932.36
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.06       0.05
  Max Chl Dpth (ft)         188.99    Hydr. Depth (ft)          123.07     177.78     132.86
  Conv. Total (cfs)       481268500.0    Conv. (cfs)             322528600.0   25543570.0   133196300.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10771.39     466.31    4001.66
  Min Ch El (ft)            571.38    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5484.91     358.97    2224.88
  C & E Loss (ft)                     Cum SA (acres)             43.67       1.97      16.64


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1330.82*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.08  680.26  607.33  679.93  993.46  676.07 1012.21  676.08
  1291.5  677.94 1315.87  677.75 1986.93  667.21 2024.42  667.37 2185.62  669.78
 2226.86     670  2781.7     670 2834.18  669.32 3775.16   650.5 3846.39     650
 4470.59     650 4554.94  644.51 4569.93  643.01 4656.16     640 4768.63     640
  4858.6  637.07 5166.01   621.7 5263.48  619.46 5861.44  614.33 5972.03     614
 7749.02     614 7848.37  614.65 7895.23  614.65 7996.45     615  8345.1     615
  8345.1  611.76 8502.55  611.76 8502.55     610 9139.87     610 9312.32  608.69
 9735.95  603.75 9919.64  601.21 9934.64  600.9810122.09     60010729.41     600
10894.12  571.3510994.12  571.3511194.12     60011664.71  603.913264.71  609.41
13452.94  609.6813678.82  630.7113735.29  639.4113904.71  653.4914205.88  663.24
14356.47  662.4114394.12  661.5714676.47   660.114695.29  660.9114921.18  671.78
15147.06     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510729.41     .1511194.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10729.4111194.12             9.74    9.74    9.74             .1       .3
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```
CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1320734.00   82614.95   524648.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1320734.00   82614.95   524648.40
  Q Total (cfs)           99180.51    Flow (cfs)              66396.68    5288.15   27495.68
  Top Width (ft)          15147.06    Top Width (ft)          10729.41     464.71    3952.94
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.06       0.05
  Max Chl Dpth (ft)         189.02    Hydr. Depth (ft)          123.09     177.78     132.72
  Conv. Total (cfs)       482173800.0   Conv. (cfs)             322792600.0   25708760.0   133672400.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10777.27     469.22    4022.21
  Min Ch El (ft)            571.35    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5189.70     340.56    2107.82
  C & E Loss (ft)                     Cum SA (acres)             41.28       1.87      15.76


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1321.08*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.41  680.24  607.66  679.92  994.01  676.06 1012.76  676.09
 1292.21  677.95 1316.59  677.74 1988.02  667.19 2025.53  667.38 2186.82   669.8
 2228.08     670 2783.22     670 2835.74  669.29 3777.23  650.46  3848.5     650
 4473.04     650 4557.44  644.26 4572.44  642.76 4658.71     640 4771.24     640
 4861.27  636.94 5168.85  621.56 5266.37  619.43 5864.65   614.3 5975.31     614
 7753.27     614 7852.67  614.68 7899.56  614.68 8000.83     615 8349.67     615
 8349.67  611.62 8507.21  611.62 8507.21     610 9144.88     610 9317.42  608.63
 9741.29  603.68 9925.08  601.12 9940.09   600.910127.64     60010735.29     600
10902.94  571.3211002.94  571.3211202.94     60011675.98     60413284.31  609.46
13473.53  609.7113700.59  631.6513757.35  640.2913927.65  653.6514230.39  663.38
14381.76  662.2914419.61  661.4414703.43  660.0914722.35  660.9514949.41  672.31
15176.47     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510735.29     .1511202.94     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10735.2911202.94             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1321682.00   83137.14   526831.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1321682.00   83137.14   526831.50
  Q Total (cfs)           99179.82    Flow (cfs)              66327.00    5312.02   27540.81
  Top Width (ft)          15176.47    Top Width (ft)          10735.29     467.65    3973.53
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.06       0.05
  Max Chl Dpth (ft)         189.05    Hydr. Depth (ft)          123.12     177.78     132.59
  Conv. Total (cfs)       483078400.0   Conv. (cfs)             323061100.0   25873400.0   134143900.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10783.17     472.13    4042.77
  Min Ch El (ft)            571.32    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4894.28     322.03    1990.26
  C & E Loss (ft)                     Cum SA (acres)             38.88       1.76      14.87


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1311.35*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.73  680.22  607.99  679.92  994.55  676.05 1013.32  676.09
 1292.92  677.95 1317.31  677.73 1989.11  667.17 2026.64   667.4 2188.02  669.82
  2229.3     670 2784.75     670 2837.29  669.25  3779.3  650.41 3850.61     650
 4475.49     650 4559.93  644.01 4574.95  642.51 4661.27     640 4773.86     640
 4863.93   636.8 5171.68  621.42 5269.26  619.41 5867.86  614.28 5978.58     614
 7757.52     614 7856.97  614.71 7903.88  614.71 8005.22     615 8354.25     615
 8354.25  611.47 8511.88  611.47 8511.88     610 9149.89     610 9322.53  608.57
 9746.62  603.62 9930.52  601.04 9945.53  600.8210133.19     60010741.18     600
10911.76  571.2911011.76  571.2911211.76     60011687.25  604.0913303.92  609.51
13494.12  609.7313722.35  632.5913779.41  641.1813950.59  653.81 14254.9  663.53
14407.06  662.18 14445.1  661.3114730.39  660.0814749.41  660.9914977.65  672.85
15205.88     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510741.18     .1511211.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10741.1811211.76             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1322634.00   83657.55   529015.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1322634.00   83657.55   529015.10
  Q Total (cfs)           99179.13    Flow (cfs)              66257.75    5335.66   27585.72
  Top Width (ft)          15205.88    Top Width (ft)          10741.18     470.58    3994.12
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.06       0.05
  Max Chl Dpth (ft)         189.08    Hydr. Depth (ft)          123.14     177.78     132.45
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  Conv. Total (cfs)       483984000.0    Conv. (cfs)            323331000.0   26037470.0   134615500.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10789.07     475.03    4063.34
  Min Ch El (ft)            571.29    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4598.64     303.38    1872.22
  C & E Loss (ft)                     Cum SA (acres)             36.47       1.66      13.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1301.61*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.06   680.2  608.32  679.92   995.1  676.05 1013.87  676.09
 1293.63  677.96 1318.04  677.72  1990.2  667.15 2027.75  667.42 2189.22  669.84
 2230.52     670 2786.27     670 2838.85  669.22 3781.37  650.37 3852.72     650
 4477.94     650 4562.43  643.76 4577.45  642.25 4663.82     640 4776.47     640
 4866.59  636.67 5174.51  621.27 5272.14  619.38 5871.08  614.25 5981.85     614
 7761.76     614 7861.27  614.74 7908.21  614.74  8009.6     615 8358.82     615
 8358.82  611.32 8516.54  611.32 8516.54     610  9154.9     610 9327.64  608.51
 9751.96  603.56 9935.96  600.96 9950.98  600.7410138.74     60010747.06     600
10920.59  571.2611020.59  571.2611220.59     60011698.53  604.1813323.53  609.56
13514.71  609.7613744.12  633.5313801.47  642.0613973.53  653.9714279.41  663.68
14432.35  662.0614470.59  661.1814757.35  660.0714776.47  661.0315005.88  673.38
15235.29     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510747.06     .1511220.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10747.0611220.59             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1323579.00   84181.62   531193.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1323579.00   84181.62   531193.80
  Q Total (cfs)           99178.44    Flow (cfs)              66188.67    5359.48   27630.29
  Top Width (ft)          15235.29    Top Width (ft)          10747.06     473.53    4014.70
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.06       0.05
  Max Chl Dpth (ft)         189.11    Hydr. Depth (ft)          123.16     177.77     132.31
  Conv. Total (cfs)       484885900.0    Conv. (cfs)            323598100.0   26202650.0   135085200.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10794.96     477.95    4083.92
  Min Ch El (ft)            571.26    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4302.80     284.61    1753.69
  C & E Loss (ft)                     Cum SA (acres)             34.07       1.55      13.08


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1291.88*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.39  680.17  608.66  679.91  995.64  676.04 1014.43   676.1
 1294.34  677.96 1318.76  677.71 1991.29  667.14 2028.86  667.43 2190.41  669.86
 2231.74     670  2787.8     670  2840.4  669.19 3783.44  650.33 3854.83     650
 4480.39     650 4564.93  643.51 4579.96     642 4666.37     640 4779.08     640
 4869.26  636.54 5177.34  621.13 5275.03  619.36 5874.29  614.22 5985.13     614
 7766.01     614 7865.58  614.76 7912.54  614.76 8013.98     615  8363.4     615
  8363.4  611.18  8521.2  611.18  8521.2     610 9159.91     610 9332.74  608.45
  9757.3   603.5  9941.4  600.88 9956.43  600.6510144.28     60010752.94     600
10929.41  571.2411029.41  571.2411229.41     600 11709.8  604.2713343.14  609.61
13535.29  609.7913765.88  634.4713823.53  642.9413996.47  654.1314303.92  663.82
14457.65  661.9414496.08  661.0514784.31  660.0714803.53  661.0715034.12  673.92
15264.71     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510752.94     .1511229.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10752.9411229.41             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1324523.00   84701.02   533367.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1324523.00   84701.02   533367.40
  Q Total (cfs)           99177.75    Flow (cfs)              66120.47    5382.87   27674.41
  Top Width (ft)          15264.71    Top Width (ft)          10752.94     476.47    4035.30
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.06       0.05
  Max Chl Dpth (ft)         189.13    Hydr. Depth (ft)          123.18     177.77     132.18
  Conv. Total (cfs)       485783200.0    Conv. (cfs)            323865100.0   26365870.0   135552200.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10800.86     480.86    4104.52
  Min Ch El (ft)            571.24    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4006.74     265.73    1634.67
  C & E Loss (ft)                     Cum SA (acres)             31.67       1.45      12.18


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                  RS: 1282.14*

INPUT
Description:
Station Elevation Data     num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.71  680.15  608.99  679.91  996.19  676.04 1014.98   676.1
 1295.04  677.97 1319.48  677.69 1992.37  667.12 2029.97  667.45 2191.61  669.87
 2232.96     670 2789.32     670 2841.95  669.16 3785.51  650.29 3856.94     650
 4482.84     650 4567.43  643.26 4582.46  641.75 4668.92     640  4781.7     640
 4871.92   636.4 5180.17  620.99 5277.91  619.33 5877.51  614.19  5988.4     614
 7770.26     614 7869.88  614.79 7916.87  614.79 8018.37     615 8367.97     615
 8367.97  611.03 8525.86  611.03 8525.86     610 9164.92     610 9337.85  608.39
 9762.64  603.44 9946.84   600.8 9961.87  600.5710149.83     60010758.82     600
10938.24  571.2111038.24  571.2111238.24     60011721.08  604.3613362.75  609.66
13555.88  609.8113787.65  635.4113845.59  643.8214019.41  654.2914328.43  663.97
14482.94  661.8214521.57  660.9214811.27  660.0614830.59  661.1115062.35  674.45
15294.12     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510758.82     .1511238.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10758.8211238.24             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1325472.00   85225.26   535536.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1325472.00   85225.26   535536.90
  Q Total (cfs)           99177.06    Flow (cfs)              66052.58    5406.54   27717.94
  Top Width (ft)          15294.12    Top Width (ft)          10758.82     479.42    4055.88
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.06       0.05
  Max Chl Dpth (ft)         189.16    Hydr. Depth (ft)          123.20     177.77     132.04
  Conv. Total (cfs)       486683000.0    Conv. (cfs)             324134100.0   26531060.0   136017800.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10806.76     483.78    4125.11
  Min Ch El (ft)            571.21    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3710.47     246.74    1515.16
  C & E Loss (ft)                     Cum SA (acres)             29.26       1.34      11.28


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1272.41*

INPUT
Description:
Station Elevation Data     num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.04  680.13  609.32  679.91  996.73  676.03 1015.54   676.1
 1295.75  677.97  1320.2  677.68 1993.46   667.1 2031.08  667.47 2192.81  669.89
 2234.18     670 2790.85     670 2843.51  669.13 3787.58  650.25 3859.05     650
 4485.29     650 4569.92  643.01 4584.97   641.5 4671.48     640 4784.31     640
 4874.58  636.27 5183.01  620.85  5280.8  619.31 5880.72  614.17 5991.68     614
 7774.51     614 7874.18  614.82  7921.2  614.82 8022.75     615 8372.55     615
 8372.55  610.88 8530.52  610.88 8530.52     610 9169.93     610 9342.95  608.33
 9767.97  603.37 9952.28  600.72 9967.32  600.4910155.38     60010764.71     600
10947.06  571.1811047.06  571.1811247.06     60011732.35  604.4513382.35  609.71
13576.47  609.8413809.41  636.3513867.65  644.7114042.35  654.4514352.94  664.12
14508.24  661.7114547.06  660.7814838.24  660.0514857.65  661.1515090.59  674.99
15323.53     695

Manning's n Values         num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510764.71     .1511247.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10764.7111247.06             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1326417.00   85746.01   537697.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326417.00   85746.01   537697.50
  Q Total (cfs)           99176.37    Flow (cfs)              65985.47    5429.99   27760.91
  Top Width (ft)          15323.53    Top Width (ft)          10764.71     482.35    4076.47
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.06       0.05
  Max Chl Dpth (ft)         189.19    Hydr. Depth (ft)          123.22     177.77     131.90
  Conv. Total (cfs)       487575200.0    Conv. (cfs)             324400600.0   26695130.0   136479400.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10812.67     486.68    4145.72
  Min Ch El (ft)            571.18    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3413.99     227.62    1395.18
  C & E Loss (ft)                     Cum SA (acres)             26.86       1.23      10.37


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1262.67*

INPUT
Description:
Station Elevation Data     num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.37  680.11  609.66   679.9  997.28  676.03 1016.09  676.11
 1296.46  677.98 1320.92  677.67 1994.55  667.09 2032.19  667.48 2194.01  669.91
 2235.41     670 2792.37     670 2845.06   669.1 3789.65  650.21 3861.15     650
 4487.75     650 4572.42  642.76 4587.47  641.25 4674.03     640 4786.93     640
```

```
 4877.25  636.14 5185.84  620.71 5283.69  619.28 5883.93  614.14 5994.95     614
 7778.76     614 7878.49  614.85 7925.53  614.85 8027.14     615 8377.12     615
 8377.12  610.74 8535.18  610.74 8535.18     610 9174.95     610 9348.06  608.27
 9773.31  603.31 9957.71  600.63 9972.77  600.4110160.93     60010770.59     600
10955.88  571.1511055.88  571.1511255.88     60011743.63  604.5413401.96  609.75
13597.06  609.8713831.18  637.2913889.71  645.5914065.29  654.6114377.45  664.26
14533.53  661.5914572.55  660.65 14865.2  660.0414884.71  661.1915118.82  675.52
15352.94     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510770.59     .1511255.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10770.5911255.88             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1327357.00   86268.70   539866.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1327357.00   86268.70   539866.90
  Q Total (cfs)           99175.68    Flow (cfs)              65917.95    5453.43   27804.30
  Top Width (ft)          15352.94    Top Width (ft)          10770.59     485.29    4097.06
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.06       0.05
  Max Chl Dpth (ft)         189.22    Hydr. Depth (ft)          123.24     177.77     131.77
  Conv. Total (cfs)       488470300.0    Conv. (cfs)            324665900.0   26859800.0   136944600.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10818.57     489.59    4166.34
  Min Ch El (ft)            571.15    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3117.30     208.39    1274.71
  C & E Loss (ft)                     Cum SA (acres)             24.45       1.12       9.46


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1252.94*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.69  680.09  609.99   679.9  997.82  676.02 1016.65  676.11
 1297.17  677.98 1321.64  677.66 1995.64  667.07  2033.3   667.5 2195.21  669.93
 2236.63     670  2793.9     670 2846.61  669.07 3791.72  650.17 3863.26     650
  4490.2     650 4574.92  642.51 4589.98     641 4676.58     640 4789.54     640
 4879.91     636 5188.67  620.57 5286.57  619.26 5887.15  614.11 5998.22     614
 7783.01     614 7882.79  614.88 7929.86  614.88 8031.52     615  8381.7     615
  8381.7  610.59 8539.84  610.59 8539.84     610 9179.96     610 9353.16  608.21
 9778.65  603.25 9963.15  600.55 9978.21  600.3310166.48     60010776.47     600
10964.71  571.1211064.71  571.1211264.71     600 11754.9  604.6313421.57   609.8
13617.65  609.8913852.94  638.2413911.76  646.4714088.24  654.7614401.96  664.41
14558.82  661.4714598.04  660.5214892.16  660.0314911.76  661.2415147.06  676.06
15382.35     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510776.47     .1511264.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10776.4711264.71             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1328303.00   86793.21   542016.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1328303.00   86793.21   542016.90
  Q Total (cfs)           99174.98    Flow (cfs)              65851.81    5476.96   27846.21
  Top Width (ft)          15382.35    Top Width (ft)          10776.47     488.24    4117.64
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.06       0.05
  Max Chl Dpth (ft)         189.25    Hydr. Depth (ft)          123.26     177.77     131.63
  Conv. Total (cfs)       489360300.0    Conv. (cfs)            324933400.0   27025010.0   137401900.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10824.48     492.52    4186.96
  Min Ch El (ft)            571.12    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2820.40     189.04    1153.75
  C & E Loss (ft)                     Cum SA (acres)             22.04       1.02       8.54


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1243.20*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.02  680.07  610.32   679.9  998.37  676.02  1017.2  676.11
 1297.88  677.99 1322.36  677.65 1996.73  667.05 2034.41  667.52 2196.41  669.95
 2237.85     670 2795.42     670 2848.17  669.04 3793.79  650.12 3865.37     650
 4492.65     650 4577.41  642.26 4592.48  640.75 4679.13     640 4792.16     640
 4882.57  635.87  5191.5  620.42 5289.46  619.23 5890.36  614.08  6001.5     614
 7787.25     614 7887.09  614.91 7934.18  614.91  8035.9     615 8386.27     615
 8386.27  610.44 8544.51  610.44 8544.51     610 9184.97     610 9358.27  608.15
 9783.99  603.19 9968.59  600.47 9983.66  600.2510172.03     60010782.35     600
10973.53  571.0911073.53  571.0911273.53     60011766.18  604.7313441.18  609.85
13638.24  609.9213874.71  639.1813933.82  647.3514111.18  654.9214426.47  664.56
14584.12  661.3514623.53  660.3914919.12  660.0214938.82  661.2815175.29  676.59
15411.76     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510782.35     .1511273.53     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10782.3511273.53             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1329253.00   87316.09   544152.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1329253.00   87316.09   544152.60
  Q Total (cfs)           99174.29    Flow (cfs)              65786.98    5500.35   27886.97
  Top Width (ft)          15411.76    Top Width (ft)          10782.35     491.18    4138.23
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.06       0.05
  Max Chl Dpth (ft)         189.28    Hydr. Depth (ft)          123.28     177.77     131.49
  Conv. Total (cfs)       490245200.0    Conv. (cfs)            325202700.0   27189700.0   137852800.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10830.39     495.43    4207.60
  Min Ch El (ft)            571.09    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2523.28     169.58    1032.32
  C & E Loss (ft)                     Cum SA (acres)             19.63       0.91       7.62


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1233.47*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.35  680.04  610.65  679.89  998.91  676.01 1017.76  676.12
 1298.58  677.99 1323.09  677.64 1997.82  667.03 2035.52  667.53  2197.6  669.96
 2239.07     670 2796.95     670 2849.72  669.01 3795.86  650.08 3867.48     650
  4495.1     650 4579.91  642.01 4594.99   640.5 4681.69     640 4794.77     640
 4885.24  635.74 5194.34  620.28 5292.34  619.21 5893.57  614.06 6004.77     614
  7791.5     614 7891.39  614.94 7938.51  614.94 8040.29     615 8390.85     615
 8390.85  610.29 8549.17  610.29 8549.17     610 9189.98     610 9363.37  608.09
 9789.32  603.12 9974.03  600.39 9989.11  600.1610177.58     60010788.24     600
10982.35  571.0611082.35  571.0611282.35     60011777.45  604.8213460.78   609.9
13658.82  609.9513896.47  640.1213955.88  648.2414134.12  655.0814450.98  664.71
14609.41  661.2414649.02  660.2614946.08  660.0214965.88  661.3215203.53  677.13
15441.18     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510788.24     .1511282.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10788.2411282.35             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1330205.00   87837.02   546287.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1330205.00   87837.02   546287.90
  Q Total (cfs)           99173.60    Flow (cfs)              65722.52    5523.54   27927.54
  Top Width (ft)          15441.18    Top Width (ft)          10788.24     494.11    4158.83
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.06       0.05
  Max Chl Dpth (ft)         189.31    Hydr. Depth (ft)          123.30     177.77     131.36
  Conv. Total (cfs)       491129100.0    Conv. (cfs)            325472100.0   27353780.0   138303200.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10836.31     498.34    4228.26
  Min Ch El (ft)            571.06    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2225.95     149.99     910.41
  C & E Loss (ft)                     Cum SA (acres)             17.22       0.80       6.69


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1223.73*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.67  680.02  610.99  679.89  999.46  676.01 1018.31  676.12
 1299.29     678 1323.81  677.63 1998.91  667.02 2036.63  667.55  2198.8  669.98
 2240.29     670 2798.47     670 2851.28  668.97 3797.93  650.04 3869.59     650
 4497.55     650 4582.41  641.76 4597.49  640.25 4684.24     640 4797.39     640
  4887.9   635.6 5197.17  620.14 5295.23  619.18 5896.79  614.03 6008.05     614
 7795.75     614  7895.7  614.97 7942.84  614.97 8044.67     615 8395.42     615
 8395.42  610.15 8553.83  610.15 8553.83     610 9194.99     610 9368.48  608.03
 9794.66  603.06 9979.47  600.31 9994.55  600.0810183.13     60010794.12     600
10991.18  571.0311091.18  571.0311291.18     60011788.73  604.9113480.39  609.95
13679.41  609.9713918.24  641.0613977.94  649.1214157.06  655.2414475.49  664.85
14634.71  661.1214674.51  660.1314973.04  660.0114992.94  661.3615231.76  677.66
15470.59     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510794.12     .1511291.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10794.1211291.18             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             9.74       9.74       9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1331151.00   88361.78   548426.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1331151.00   88361.78   548426.30
  Q Total (cfs)           99172.91    Flow (cfs)              65657.79    5546.88   27968.24
```

```
  Top Width (ft)          15470.59    Top Width (ft)          10794.12     497.06    4179.41
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.06       0.05
  Max Chl Dpth (ft)         189.34    Hydr. Depth (ft)          123.32     177.77     131.22
  Conv. Total (cfs)       492014100.0    Conv. (cfs)            325739700.0   27519030.0   138755300.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10842.22     501.26    4248.90
  Min Ch El (ft)            571.03    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1928.41     130.29     788.02
  C & E Loss (ft)                     Cum SA (acres)             14.81       0.69       5.76


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1214

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000     571   11100     571   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1332095.00   88884.94   550553.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1332095.00   88884.94   550553.40
  Q Total (cfs)           99172.21    Flow (cfs)              65593.93    5570.10   28008.18
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.06       0.05
  Max Chl Dpth (ft)         189.37    Hydr. Depth (ft)          123.34     177.77     131.08
  Conv. Total (cfs)       492892400.0    Conv. (cfs)            326006100.0   27683780.0   139202500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10848.13     504.18    4269.57
  Min Ch El (ft)            571.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1630.66     110.48     665.15
  C & E Loss (ft)                     Cum SA (acres)             12.39       0.57       4.82


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1211.05*

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.94   11100  570.94   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1332095.00   88902.94   550553.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1332095.00   88902.94   550553.40
  Q Total (cfs)           106689.80    Flow (cfs)              70564.91    5994.11   30130.76
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.05
  Max Chl Dpth (ft)         189.43    Hydr. Depth (ft)          123.34     177.81     131.08
  Conv. Total (cfs)       492901200.0    Conv. (cfs)            326006100.0   27692490.0   139202500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10848.13     504.20    4269.57
  Min Ch El (ft)            570.94    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1540.76     104.48     627.99
  C & E Loss (ft)                     Cum SA (acres)             11.66       0.54       4.54


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1208.11*

INPUT
Description:
Station Elevation Data    num=      32
```

```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.88   11100  570.88   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1332095.00   88920.94   550553.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1332095.00   88920.94   550553.40
  Q Total (cfs)           106689.60    Flow (cfs)              70563.54    5995.88   30130.18
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.05
  Max Chl Dpth (ft)         189.49    Hydr. Depth (ft)          123.34     177.84     131.08
  Conv. Total (cfs)       492909900.0    Conv. (cfs)            326006100.0   27701200.0   139202500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10848.13     504.22    4269.57
  Min Ch El (ft)            570.88    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1450.85      98.48     590.83
  C & E Loss (ft)                     Cum SA (acres)             10.93       0.51       4.25


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1205.17*

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.82   11100  570.82   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1332095.00   88938.94   550553.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1332095.00   88938.94   550553.40
  Q Total (cfs)           106689.40    Flow (cfs)              70562.16    5997.65   30129.59
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.05
  Max Chl Dpth (ft)         189.55    Hydr. Depth (ft)          123.34     177.88     131.08
  Conv. Total (cfs)       492918600.0    Conv. (cfs)            326006100.0   27709910.0   139202500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10848.13     504.24    4269.57
  Min Ch El (ft)            570.82    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1360.94      92.48     553.68
  C & E Loss (ft)                     Cum SA (acres)             10.20       0.47       3.97


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1202.23*

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.76   11100  570.76   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1332095.00   88956.94   550553.40
```

```
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1332095.00   88956.94   550553.40
  Q Total (cfs)           106689.20    Flow (cfs)              70560.78    5999.42   30129.00
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.05
  Max Chl Dpth (ft)         189.61    Hydr. Depth (ft)          123.34     177.91     131.08
  Conv. Total (cfs)       492927300.0    Conv. (cfs)            326006100.0   27718630.0   139202500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10848.13     504.25    4269.57
  Min Ch El (ft)            570.76    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1271.04      86.47     516.52
  C & E Loss (ft)                     Cum SA (acres)              9.48       0.44       3.69


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1199.29*

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.71   11100  570.71   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1332095.00   88971.93   550553.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1332095.00   88971.93   550553.40
  Q Total (cfs)           106689.00    Flow (cfs)              70559.61    6000.89   30128.50
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.05
  Max Chl Dpth (ft)         189.66    Hydr. Depth (ft)          123.34     177.94     131.08
  Conv. Total (cfs)       492934500.0    Conv. (cfs)            326006100.0   27725880.0   139202500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10848.13     504.27    4269.57
  Min Ch El (ft)            570.71    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1181.13      80.47     479.36
  C & E Loss (ft)                     Cum SA (acres)              8.75       0.40       3.40


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1196.35*

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.65   11100  570.65   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1332095.00   88989.93   550553.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1332095.00   88989.93   550553.40
  Q Total (cfs)           106688.80    Flow (cfs)              70558.23    6002.66   30127.91
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.05
  Max Chl Dpth (ft)         189.72    Hydr. Depth (ft)          123.34     177.98     131.08
  Conv. Total (cfs)       492943200.0    Conv. (cfs)            326006100.0   27734590.0   139202500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10848.13     504.28    4269.57
  Min Ch El (ft)            570.65    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1091.22      74.46     442.20
  C & E Loss (ft)                     Cum SA (acres)              8.02       0.37       3.12


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1193.41*

INPUT
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Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.59   11100  570.59   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1332095.00   89007.93   550553.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1332095.00   89007.93   550553.40
  Q Total (cfs)           106688.60    Flow (cfs)              70556.85    6004.43   30127.32
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.05
  Max Chl Dpth (ft)         189.78    Hydr. Depth (ft)          123.34     178.02     131.08
  Conv. Total (cfs)       492952000.0    Conv. (cfs)            326006100.0   27743300.0   139202500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10848.13     504.30    4269.57
  Min Ch El (ft)            570.59    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1001.31      68.46     405.04
  C & E Loss (ft)                     Cum SA (acres)              7.29       0.34       2.83


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1190.47*

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.53   11100  570.53   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1332095.00   89025.93   550553.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1332095.00   89025.93   550553.40
  Q Total (cfs)           106688.40    Flow (cfs)              70555.48    6006.20   30126.73
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.05
  Max Chl Dpth (ft)         189.84    Hydr. Depth (ft)          123.34     178.05     131.08
  Conv. Total (cfs)       492960700.0    Conv. (cfs)            326006100.0   27752010.0   139202500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10848.13     504.32    4269.57
  Min Ch El (ft)            570.53    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      911.41      62.45     367.88
  C & E Loss (ft)                     Cum SA (acres)              6.56       0.30       2.55


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1187.52*

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.47   11100  570.47   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
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  W.S. Elev (ft)            760.37    Reach Len. (ft)            2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1332095.00   89043.95   550553.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1332095.00   89043.95   550553.40
  Q Total (cfs)           106688.10    Flow (cfs)              70554.03    6007.96   30126.11
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.05
  Max Chl Dpth (ft)         189.90    Hydr. Depth (ft)          123.34     178.09     131.08
  Conv. Total (cfs)       492969400.0    Conv. (cfs)            326006100.0   27760730.0   139202500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10848.13     504.34    4269.57
  Min Ch El (ft)            570.47    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      821.50      56.44     330.72
  C & E Loss (ft)                     Cum SA (acres)              5.83       0.27       2.27


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1184.58*

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.41   11100  570.41   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1332095.00   89061.95   550553.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1332095.00   89061.95   550553.40
  Q Total (cfs)           106687.90    Flow (cfs)              70552.65    6009.73   30125.52
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.05
  Max Chl Dpth (ft)         189.96    Hydr. Depth (ft)          123.34     178.12     131.08
  Conv. Total (cfs)       492978100.0    Conv. (cfs)            326006100.0   27769440.0   139202500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10848.13     504.35    4269.57
  Min Ch El (ft)            570.41    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      731.59      50.43     293.57
  C & E Loss (ft)                     Cum SA (acres)              5.10       0.24       1.98


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1181.64*

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.35   11100  570.35   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1332095.00   89079.95   550553.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1332095.00   89079.95   550553.40
  Q Total (cfs)           106687.70    Flow (cfs)              70551.27    6011.49   30124.94
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.05
  Max Chl Dpth (ft)         190.02    Hydr. Depth (ft)          123.34     178.16     131.08
  Conv. Total (cfs)       492986800.0    Conv. (cfs)            326006100.0   27778150.0   139202500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10848.13     504.37    4269.57
  Min Ch El (ft)            570.35    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      641.68      44.42     256.41
  C & E Loss (ft)                     Cum SA (acres)              4.37       0.20       1.70


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1178.70*
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INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.29   11100  570.29   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1332095.00   89097.95   550553.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1332095.00   89097.95   550553.40
  Q Total (cfs)           106687.50    Flow (cfs)              70549.89    6013.26   30124.35
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.05
  Max Chl Dpth (ft)         190.08    Hydr. Depth (ft)          123.34     178.20     131.08
  Conv. Total (cfs)       492995500.0    Conv. (cfs)            326006100.0   27786860.0   139202500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10848.13     504.39    4269.57
  Min Ch El (ft)            570.29    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      551.78      38.40     219.25
  C & E Loss (ft)                     Cum SA (acres)              3.64       0.17       1.42

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1175.76*

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.24   11100  570.24   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                   Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)             2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1332095.00   89112.94   550553.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1332095.00   89112.94   550553.40
  Q Total (cfs)           106687.30    Flow (cfs)              70548.72    6014.73   30123.85
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.05
  Max Chl Dpth (ft)         190.13    Hydr. Depth (ft)          123.34     178.23     131.08
  Conv. Total (cfs)       493002800.0    Conv. (cfs)            326006100.0   27794110.0   139202500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10848.13     504.40    4269.57
  Min Ch El (ft)            570.24    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      461.87      32.39     182.09
  C & E Loss (ft)                     Cum SA (acres)              2.92       0.13       1.13

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1172.82*

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.18   11100  570.18   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
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  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1332095.00   89130.94   550553.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1332095.00   89130.94   550553.40
  Q Total (cfs)           106687.10    Flow (cfs)              70547.34    6016.50   30123.26
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)           0.05       0.07       0.05
  Max Chl Dpth (ft)         190.19    Hydr. Depth (ft)         123.34     178.26     131.08
  Conv. Total (cfs)       493011500.0    Conv. (cfs)            326006100.0   27802820.0   139202500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10848.13     504.42    4269.57
  Min Ch El (ft)            570.18    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     371.96      26.37     144.93
  C & E Loss (ft)                     Cum SA (acres)             2.19       0.10       0.85


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1169.88*

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.12   11100  570.12   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1332095.00   89148.94   550553.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1332095.00   89148.94   550553.40
  Q Total (cfs)           106686.90    Flow (cfs)              70545.96    6018.26   30122.67
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)           0.05       0.07       0.05
  Max Chl Dpth (ft)         190.25    Hydr. Depth (ft)         123.34     178.30     131.08
  Conv. Total (cfs)       493020200.0    Conv. (cfs)            326006100.0   27811530.0   139202500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10848.13     504.44    4269.57
  Min Ch El (ft)            570.12    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     282.06      20.36     107.77
  C & E Loss (ft)                     Cum SA (acres)             1.46       0.07       0.57


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1166.94*

INPUT
Description:
Station Elevation Data    num=      32
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10800     600   11000  570.06   11100  570.06   11300     600   11800     605
   13500     610   13700     610   14000     650   14500     665   14700     660
   15000     660   15500     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10800   11300             2.94    2.94    2.94             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                  Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            2.94       2.94       2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1332095.00   89166.94   550553.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1332095.00   89166.94   550553.40
  Q Total (cfs)           106686.70    Flow (cfs)              70544.59    6020.03   30122.08
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)           0.05       0.07       0.05
  Max Chl Dpth (ft)         190.31    Hydr. Depth (ft)         123.34     178.33     131.08
  Conv. Total (cfs)       493028900.0    Conv. (cfs)            326006100.0   27820230.0   139202500.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10848.13     504.46    4269.57
  Min Ch El (ft)            570.06    Shear (lb/sq ft)           0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)     0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     192.15      14.34      70.61
  C & E Loss (ft)                     Cum SA (acres)             0.73       0.03       0.28


Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION
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RIVER: SQUAW CREEK
REACH: SC                 RS: 1164

INPUT
Description:
Station Elevation Data    num=      32
      Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
        0     720     600     680    1000     676    1300     678    2000     667
     2200     670    2800     670    3800     650    4500     650    4600     640
     4800     640    5200     620    5900     614    7800     614    7900     615
     8400     615    8400     610    9200     610    9800     603   10000     600
    10800     600   11000     570   11100     570   11300     600   11800     605
    13500     610   13700     610   14000     650   14500     665   14700     660
    15000     660   15500     695

Manning's n Values        num=       3
      Sta   n Val     Sta   n Val     Sta   n Val
        0     .15   10800     .15   11300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10800   11300               5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #Max WS

  E.G. Elev (ft)            760.37    Element                    Left OB    Channel   Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150      0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)              5.00       5.00       5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1332042.00   89182.50   550532.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1332042.00   89182.50   550532.90
  Q Total (cfs)           106686.50    Flow (cfs)              70543.05    6021.90   30121.55
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00    4200.00
  Vel Total (ft/s)            0.05    Avg. Vel. (ft/s)            0.05       0.07       0.05
  Max Chl Dpth (ft)         190.37    Hydr. Depth (ft)          123.34     178.37     131.08
  Conv. Total (cfs)       493006400.0    Conv. (cfs)             325984700.0   27827670.0   139194000.0
  Length Wtd. (ft)            5.00    Wetted Per. (ft)        10848.12     504.48    4269.56
  Min Ch El (ft)            570.00    Shear (lb/sq ft)            0.00       0.00       0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00       0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      102.24       8.32      33.46
  C & E Loss (ft)             0.00    Cum SA (acres)

Warning: The cross-section end points had to be extended vertically for the computed water surface.


SUMMARY OF MANNING'S N VALUES

River:PALUXY

      Reach          River Sta.       n1        n2        n3

 PALUXY RIVER         25092              .15       .15       .15
 PALUXY RIVER         22745              .15       .15       .15
 PALUXY RIVER         21047              .15       .15       .15
 PALUXY RIVER         19331              .15       .15       .15
 PALUXY RIVER         17277              .15       .15       .15
 PALUXY RIVER         15741              .15       .15       .15
 PALUXY RIVER         14471              .15       .15       .15
 PALUXY RIVER         14325.1*           .15       .15       .15
 PALUXY RIVER         14179.2*           .15       .15       .15
 PALUXY RIVER         14033.4*           .15       .15       .15
 PALUXY RIVER         13887.5*           .15       .15       .15
 PALUXY RIVER         13741.7*           .15       .15       .15
 PALUXY RIVER         13595.8*           .15       .15       .15
 PALUXY RIVER         13450              .15       .15       .15
 PALUXY RIVER         12129              .15       .15       .15
 PALUXY RIVER         11391              .15       .15       .15
 PALUXY RIVER         11366.1*           .15       .15       .15
 PALUXY RIVER         11341.3*           .15       .15       .15
 PALUXY RIVER         11316.4*           .15       .15       .15
 PALUXY RIVER         11291.6*           .15       .15       .15
 PALUXY RIVER         11266.8*           .15       .15       .15
 PALUXY RIVER         11241.9*           .15       .15       .15
 PALUXY RIVER         11217.1*           .15       .15       .15
 PALUXY RIVER         11192.2*           .15       .15       .15
 PALUXY RIVER         11167.4*           .15       .15       .15
 PALUXY RIVER         11142.6*           .15       .15       .15
 PALUXY RIVER         11117.7*           .15       .15       .15
 PALUXY RIVER         11092.9*           .15       .15       .15
 PALUXY RIVER         11068.0*           .15       .15       .15
 PALUXY RIVER         11043.2*           .15       .15       .15
 PALUXY RIVER         11018.4*           .15       .15       .15
 PALUXY RIVER         10993.5*           .15       .15       .15
 PALUXY RIVER         10968.7*           .15       .15       .15
 PALUXY RIVER         10943.8*           .15       .15       .15
 PALUXY RIVER         10919.0*           .15       .15       .15
 PALUXY RIVER         10894.2*           .15       .15       .15
 PALUXY RIVER         10869.3*           .15       .15       .15
 PALUXY RIVER         10844.5*           .15       .15       .15
 PALUXY RIVER         10819.6*           .15       .15       .15
 PALUXY RIVER         10794.8*           .15       .15       .15
 PALUXY RIVER         10770.*            .15       .15       .15
 PALUXY RIVER         10745.1*           .15       .15       .15
 PALUXY RIVER         10720.3*           .15       .15       .15
 PALUXY RIVER         10695.4*           .15       .15       .15
 PALUXY RIVER         10670.6*           .15       .15       .15
 PALUXY RIVER         10645.8*           .15       .15       .15
 PALUXY RIVER         10620.9*           .15       .15       .15
 PALUXY RIVER         10596.1*           .15       .15       .15
 PALUXY RIVER         10571.2*           .15       .15       .15
 PALUXY RIVER         10546.4*           .15       .15       .15
 PALUXY RIVER         10521.6*           .15       .15       .15
 PALUXY RIVER         10496.7*           .15       .15       .15
 PALUXY RIVER         10471.9*           .15       .15       .15
 PALUXY RIVER         10447.0*           .15       .15       .15
 PALUXY RIVER         10422.2*           .15       .15       .15
 PALUXY RIVER         10397.4*           .15       .15       .15
 PALUXY RIVER         10372.5*           .15       .15       .15
 PALUXY RIVER         10347.7*           .15       .15       .15
 PALUXY RIVER         10322.8*           .15       .15       .15
 PALUXY RIVER         10298.0*           .15       .15       .15
 PALUXY RIVER         10273.2*           .15       .15       .15
 PALUXY RIVER         10248.3*           .15       .15       .15
 PALUXY RIVER         10223.5*           .15       .15       .15
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PALUXY RIVER	10198.6*	.15	.15	.15
PALUXY RIVER	10173.8*	.15	.15	.15
PALUXY RIVER	10149.*	.15	.15	.15
PALUXY RIVER	10124.1*	.15	.15	.15
PALUXY RIVER	10099.3*	.15	.15	.15
PALUXY RIVER	10074.4*	.15	.15	.15
PALUXY RIVER	10049.6*	.15	.15	.15
PALUXY RIVER	10024.8*	.15	.15	.15
PALUXY RIVER	9999.96*	.15	.15	.15
PALUXY RIVER	9975.12*	.15	.15	.15
PALUXY RIVER	9950.28*	.15	.15	.15
PALUXY RIVER	9925.44*	.15	.15	.15
PALUXY RIVER	9900.6*	.15	.15	.15
PALUXY RIVER	9875.76*	.15	.15	.15
PALUXY RIVER	9850.92*	.15	.15	.15
PALUXY RIVER	9826.08*	.15	.15	.15
PALUXY RIVER	9801.24*	.15	.15	.15
PALUXY RIVER	9776.4*	.15	.15	.15
PALUXY RIVER	9751.56*	.15	.15	.15
PALUXY RIVER	9726.72*	.15	.15	.15
PALUXY RIVER	9701.88*	.15	.15	.15
PALUXY RIVER	9677.04*	.15	.15	.15
PALUXY RIVER	9652.2*	.15	.15	.15
PALUXY RIVER	9627.36*	.15	.15	.15
PALUXY RIVER	9602.52*	.15	.15	.15
PALUXY RIVER	9577.68*	.15	.15	.15
PALUXY RIVER	9552.84*	.15	.15	.15
PALUXY RIVER	9528.00*	.15	.15	.15
PALUXY RIVER	9503.16*	.15	.15	.15
PALUXY RIVER	9478.32*	.15	.15	.15
PALUXY RIVER	9453.48*	.15	.15	.15
PALUXY RIVER	9428.64*	.15	.15	.15
PALUXY RIVER	9403.80*	.15	.15	.15
PALUXY RIVER	9378.96*	.15	.15	.15
PALUXY RIVER	9354.12*	.15	.15	.15
PALUXY RIVER	9329.28*	.15	.15	.15
PALUXY RIVER	9304.44*	.15	.15	.15
PALUXY RIVER	9279.60*	.15	.15	.15
PALUXY RIVER	9254.76*	.15	.15	.15
PALUXY RIVER	9229.92*	.15	.15	.15
PALUXY RIVER	9205.08*	.15	.15	.15
PALUXY RIVER	9180.24*	.15	.15	.15
PALUXY RIVER	9155.4*	.15	.15	.15
PALUXY RIVER	9130.56*	.15	.15	.15
PALUXY RIVER	9105.72*	.15	.15	.15
PALUXY RIVER	9080.88*	.15	.15	.15
PALUXY RIVER	9056.04*	.15	.15	.15
PALUXY RIVER	9031.2*	.15	.15	.15
PALUXY RIVER	9006.35*	.15	.15	.15
PALUXY RIVER	8981.52*	.15	.15	.15
PALUXY RIVER	8956.68*	.15	.15	.15
PALUXY RIVER	8931.84*	.15	.15	.15
PALUXY RIVER	8907	.15	.15	.15
PALUXY RIVER	8861.14*	.15	.15	.15
PALUXY RIVER	8815.28*	.15	.15	.15
PALUXY RIVER	8769.42*	.15	.15	.15
PALUXY RIVER	8723.57*	.15	.15	.15
PALUXY RIVER	8677.71*	.15	.15	.15
PALUXY RIVER	8631.85*	.15	.15	.15
PALUXY RIVER	8586.*	.15	.15	.15
PALUXY RIVER	8540.14*	.15	.15	.15
PALUXY RIVER	8494.28*	.15	.15	.15
PALUXY RIVER	8448.42*	.15	.15	.15
PALUXY RIVER	8402.57*	.15	.15	.15
PALUXY RIVER	8356.71*	.15	.15	.15
PALUXY RIVER	8310.85*	.15	.15	.15
PALUXY RIVER	8265.*	.15	.15	.15
PALUXY RIVER	8219.14*	.15	.15	.15
PALUXY RIVER	8173.28*	.15	.15	.15
PALUXY RIVER	8127.42*	.15	.15	.15
PALUXY RIVER	8081.57*	.15	.15	.15
PALUXY RIVER	8035.71*	.15	.15	.15
PALUXY RIVER	7989.85*	.15	.15	.15
PALUXY RIVER	7944	.15	.15	.15
PALUXY RIVER	7886.4*	.15	.15	.15
PALUXY RIVER	7828.8*	.15	.15	.15
PALUXY RIVER	7771.2*	.15	.15	.15
PALUXY RIVER	7713.6*	.15	.15	.15
PALUXY RIVER	7656.*	.15	.15	.15
PALUXY RIVER	7598.4*	.15	.15	.15
PALUXY RIVER	7540.8*	.15	.15	.15
PALUXY RIVER	7483.2*	.15	.15	.15
PALUXY RIVER	7425.6*	.15	.15	.15
PALUXY RIVER	7368.*	.15	.15	.15
PALUXY RIVER	7310.4*	.15	.15	.15
PALUXY RIVER	7252.8*	.15	.15	.15
PALUXY RIVER	7195.2*	.15	.15	.15
PALUXY RIVER	7137.6*	.15	.15	.15
PALUXY RIVER	7080	.15	.15	.15
PALUXY RIVER	7065.01*	.15	.15	.15
PALUXY RIVER	7050.03*	.15	.15	.15
PALUXY RIVER	7035.04*	.15	.15	.15
PALUXY RIVER	7020.06*	.15	.15	.15
PALUXY RIVER	7005.07*	.15	.15	.15
PALUXY RIVER	6990.09*	.15	.15	.15
PALUXY RIVER	6975.10*	.15	.15	.15
PALUXY RIVER	6960.12*	.15	.15	.15
PALUXY RIVER	6945.13*	.15	.15	.15
PALUXY RIVER	6930.15*	.15	.15	.15
PALUXY RIVER	6915.16*	.15	.15	.15
PALUXY RIVER	6900.18*	.15	.15	.15
PALUXY RIVER	6885.19*	.15	.15	.15
PALUXY RIVER	6870.21*	.15	.15	.15
PALUXY RIVER	6855.22*	.15	.15	.15
PALUXY RIVER	6840.24*	.15	.15	.15
PALUXY RIVER	6825.25*	.15	.15	.15
PALUXY RIVER	6810.27*	.15	.15	.15
PALUXY RIVER	6795.28*	.15	.15	.15
PALUXY RIVER	6780.30*	.15	.15	.15
PALUXY RIVER	6765.31*	.15	.15	.15
PALUXY RIVER	6750.33*	.15	.15	.15
PALUXY RIVER	6735.34*	.15	.15	.15
PALUXY RIVER	6720.36*	.15	.15	.15
PALUXY RIVER	6705.37*	.15	.15	.15

PALUXY RIVER	6690.39*	.15	.15	.15
PALUXY RIVER	6675.40*	.15	.15	.15
PALUXY RIVER	6660.42*	.15	.15	.15
PALUXY RIVER	6645.43*	.15	.15	.15
PALUXY RIVER	6630.45*	.15	.15	.15
PALUXY RIVER	6615.47*	.15	.15	.15
PALUXY RIVER	6600.48*	.15	.15	.15
PALUXY RIVER	6585.5*	.15	.15	.15
PALUXY RIVER	6570.51*	.15	.15	.15
PALUXY RIVER	6555.53*	.15	.15	.15
PALUXY RIVER	6540.54*	.15	.15	.15
PALUXY RIVER	6525.56*	.15	.15	.15
PALUXY RIVER	6510.57*	.15	.15	.15
PALUXY RIVER	6495.59*	.15	.15	.15
PALUXY RIVER	6480.60*	.15	.15	.15
PALUXY RIVER	6465.62*	.15	.15	.15
PALUXY RIVER	6450.63*	.15	.15	.15
PALUXY RIVER	6435.65*	.15	.15	.15
PALUXY RIVER	6420.66*	.15	.15	.15
PALUXY RIVER	6405.68*	.15	.15	.15
PALUXY RIVER	6390.69*	.15	.15	.15
PALUXY RIVER	6375.71*	.15	.15	.15
PALUXY RIVER	6360.72*	.15	.15	.15
PALUXY RIVER	6345.74*	.15	.15	.15
PALUXY RIVER	6330.75*	.15	.15	.15
PALUXY RIVER	6315.77*	.15	.15	.15
PALUXY RIVER	6300.78*	.15	.15	.15
PALUXY RIVER	6285.80*	.15	.15	.15
PALUXY RIVER	6270.81*	.15	.15	.15
PALUXY RIVER	6255.83*	.15	.15	.15
PALUXY RIVER	6240.84*	.15	.15	.15
PALUXY RIVER	6225.86*	.15	.15	.15
PALUXY RIVER	6210.87*	.15	.15	.15
PALUXY RIVER	6195.89*	.15	.15	.15
PALUXY RIVER	6180.91*	.15	.15	.15
PALUXY RIVER	6165.92*	.15	.15	.15
PALUXY RIVER	6150.94*	.15	.15	.15
PALUXY RIVER	6135.95*	.15	.15	.15
PALUXY RIVER	6120.97*	.15	.15	.15
PALUXY RIVER	6105.98*	.15	.15	.15
PALUXY RIVER	6091.00*	.15	.15	.15
PALUXY RIVER	6076.01*	.15	.15	.15
PALUXY RIVER	6061.03*	.15	.15	.15
PALUXY RIVER	6046.04*	.15	.15	.15
PALUXY RIVER	6031.06*	.15	.15	.15
PALUXY RIVER	6016.07*	.15	.15	.15
PALUXY RIVER	6001.09*	.15	.15	.15
PALUXY RIVER	5986.10*	.15	.15	.15
PALUXY RIVER	5971.12*	.15	.15	.15
PALUXY RIVER	5956.13*	.15	.15	.15
PALUXY RIVER	5941.15*	.15	.15	.15
PALUXY RIVER	5926.16*	.15	.15	.15
PALUXY RIVER	5911.18*	.15	.15	.15
PALUXY RIVER	5896.19*	.15	.15	.15
PALUXY RIVER	5881.21*	.15	.15	.15
PALUXY RIVER	5866.22*	.15	.15	.15
PALUXY RIVER	5851.24*	.15	.15	.15
PALUXY RIVER	5836.25*	.15	.15	.15
PALUXY RIVER	5821.27*	.15	.15	.15
PALUXY RIVER	5806.29*	.15	.15	.15
PALUXY RIVER	5791.30*	.15	.15	.15
PALUXY RIVER	5776.32*	.15	.15	.15
PALUXY RIVER	5761.33*	.15	.15	.15
PALUXY RIVER	5746.35*	.15	.15	.15
PALUXY RIVER	5731.36*	.15	.15	.15
PALUXY RIVER	5716.38*	.15	.15	.15
PALUXY RIVER	5701.39*	.15	.15	.15
PALUXY RIVER	5686.41*	.15	.15	.15
PALUXY RIVER	5671.42*	.15	.15	.15
PALUXY RIVER	5656.44*	.15	.15	.15
PALUXY RIVER	5641.45*	.15	.15	.15
PALUXY RIVER	5626.47*	.15	.15	.15
PALUXY RIVER	5611.48*	.15	.15	.15
PALUXY RIVER	5596.50*	.15	.15	.15
PALUXY RIVER	5581.51*	.15	.15	.15
PALUXY RIVER	5566.53*	.15	.15	.15
PALUXY RIVER	5551.54*	.15	.15	.15
PALUXY RIVER	5536.56*	.15	.15	.15
PALUXY RIVER	5521.57*	.15	.15	.15
PALUXY RIVER	5506.59*	.15	.15	.15
PALUXY RIVER	5491.60*	.15	.15	.15
PALUXY RIVER	5476.62*	.15	.15	.15
PALUXY RIVER	5461.63*	.15	.15	.15
PALUXY RIVER	5446.65*	.15	.15	.15
PALUXY RIVER	5431.66*	.15	.15	.15
PALUXY RIVER	5416.68*	.15	.15	.15
PALUXY RIVER	5401.69*	.15	.15	.15
PALUXY RIVER	5386.71*	.15	.15	.15
PALUXY RIVER	5371.72*	.15	.15	.15
PALUXY RIVER	5356.74*	.15	.15	.15
PALUXY RIVER	5341.76*	.15	.15	.15
PALUXY RIVER	5326.77*	.15	.15	.15
PALUXY RIVER	5311.79*	.15	.15	.15
PALUXY RIVER	5296.80*	.15	.15	.15
PALUXY RIVER	5281.82*	.15	.15	.15
PALUXY RIVER	5266.83*	.15	.15	.15
PALUXY RIVER	5251.85*	.15	.15	.15
PALUXY RIVER	5236.86*	.15	.15	.15
PALUXY RIVER	5221.88*	.15	.15	.15
PALUXY RIVER	5206.89*	.15	.15	.15
PALUXY RIVER	5191.91*	.15	.15	.15
PALUXY RIVER	5176.92*	.15	.15	.15
PALUXY RIVER	5161.94*	.15	.15	.15
PALUXY RIVER	5146.95*	.15	.15	.15
PALUXY RIVER	5131.97*	.15	.15	.15
PALUXY RIVER	5116.98*	.15	.15	.15
PALUXY RIVER	5102	.15	.15	.15
LOWER PALUXY	3838	.15	.15	.15
LOWER PALUXY	3833.02*	.15	.15	.15
LOWER PALUXY	3828.03*	.15	.15	.15
LOWER PALUXY	3823.05*	.15	.15	.15
LOWER PALUXY	3818.07*	.15	.15	.15
LOWER PALUXY	3813.09*	.15	.15	.15
LOWER PALUXY	3808.11*	.15	.15	.15

LOWER PALUXY	3803.13*	.15	.15	.15
LOWER PALUXY	3798.15*	.15	.15	.15
LOWER PALUXY	3793.17*	.15	.15	.15
LOWER PALUXY	3788.19*	.15	.15	.15
LOWER PALUXY	3783.21*	.15	.15	.15
LOWER PALUXY	3778.23*	.15	.15	.15
LOWER PALUXY	3773.25*	.15	.15	.15
LOWER PALUXY	3768.27*	.15	.15	.15
LOWER PALUXY	3763.29*	.15	.15	.15
LOWER PALUXY	3758.31*	.15	.15	.15
LOWER PALUXY	3753.33*	.15	.15	.15
LOWER PALUXY	3748.35*	.15	.15	.15
LOWER PALUXY	3743.37*	.15	.15	.15
LOWER PALUXY	3738.38*	.15	.15	.15
LOWER PALUXY	3733.40*	.15	.15	.15
LOWER PALUXY	3728.42*	.15	.15	.15
LOWER PALUXY	3723.44*	.15	.15	.15
LOWER PALUXY	3718.46*	.15	.15	.15
LOWER PALUXY	3713.48*	.15	.15	.15
LOWER PALUXY	3708.50*	.15	.15	.15
LOWER PALUXY	3703.52*	.15	.15	.15
LOWER PALUXY	3698.54*	.15	.15	.15
LOWER PALUXY	3693.56*	.15	.15	.15
LOWER PALUXY	3688.58*	.15	.15	.15
LOWER PALUXY	3683.60*	.15	.15	.15
LOWER PALUXY	3678.62*	.15	.15	.15
LOWER PALUXY	3673.64*	.15	.15	.15
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LOWER PALUXY	3663.68*	.15	.15	.15
LOWER PALUXY	3658.7*	.15	.15	.15
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LOWER PALUXY	3648.73*	.15	.15	.15
LOWER PALUXY	3643.75*	.15	.15	.15
LOWER PALUXY	3638.77*	.15	.15	.15
LOWER PALUXY	3633.79*	.15	.15	.15
LOWER PALUXY	3628.81*	.15	.15	.15
LOWER PALUXY	3623.83*	.15	.15	.15
LOWER PALUXY	3618.85*	.15	.15	.15
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LOWER PALUXY	3608.89*	.15	.15	.15
LOWER PALUXY	3603.91*	.15	.15	.15
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LOWER PALUXY	3593.95*	.15	.15	.15
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LOWER PALUXY	3583.99*	.15	.15	.15
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LOWER PALUXY	3564.07*	.15	.15	.15
LOWER PALUXY	3559.08*	.15	.15	.15
LOWER PALUXY	3554.10*	.15	.15	.15
LOWER PALUXY	3549.12*	.15	.15	.15
LOWER PALUXY	3544.14*	.15	.15	.15
LOWER PALUXY	3539.16*	.15	.15	.15
LOWER PALUXY	3534.18*	.15	.15	.15
LOWER PALUXY	3529.20*	.15	.15	.15
LOWER PALUXY	3524.22*	.15	.15	.15
LOWER PALUXY	3519.24*	.15	.15	.15
LOWER PALUXY	3514.26*	.15	.15	.15
LOWER PALUXY	3509.28*	.15	.15	.15
LOWER PALUXY	3504.30*	.15	.15	.15
LOWER PALUXY	3499.32*	.15	.15	.15
LOWER PALUXY	3494.34*	.15	.15	.15
LOWER PALUXY	3489.36*	.15	.15	.15
LOWER PALUXY	3484.38*	.15	.15	.15
LOWER PALUXY	3479.40*	.15	.15	.15
LOWER PALUXY	3474.42*	.15	.15	.15
LOWER PALUXY	3469.44*	.15	.15	.15
LOWER PALUXY	3464.45*	.15	.15	.15
LOWER PALUXY	3459.47*	.15	.15	.15
LOWER PALUXY	3454.49*	.15	.15	.15
LOWER PALUXY	3449.51*	.15	.15	.15
LOWER PALUXY	3444.53*	.15	.15	.15
LOWER PALUXY	3439.55*	.15	.15	.15
LOWER PALUXY	3434.57*	.15	.15	.15
LOWER PALUXY	3429.59*	.15	.15	.15
LOWER PALUXY	3424.61*	.15	.15	.15
LOWER PALUXY	3419.63*	.15	.15	.15
LOWER PALUXY	3414.65*	.15	.15	.15
LOWER PALUXY	3409.67*	.15	.15	.15
LOWER PALUXY	3404.69*	.15	.15	.15
LOWER PALUXY	3399.71*	.15	.15	.15
LOWER PALUXY	3394.73*	.15	.15	.15
LOWER PALUXY	3389.75*	.15	.15	.15
LOWER PALUXY	3384.77*	.15	.15	.15
LOWER PALUXY	3379.79*	.15	.15	.15
LOWER PALUXY	3374.81*	.15	.15	.15
LOWER PALUXY	3369.82*	.15	.15	.15
LOWER PALUXY	3364.84*	.15	.15	.15
LOWER PALUXY	3359.86*	.15	.15	.15
LOWER PALUXY	3354.88*	.15	.15	.15
LOWER PALUXY	3349.90*	.15	.15	.15
LOWER PALUXY	3344.92*	.15	.15	.15
LOWER PALUXY	3339.94*	.15	.15	.15
LOWER PALUXY	3334.96*	.15	.15	.15
LOWER PALUXY	3329.98*	.15	.15	.15
LOWER PALUXY	3325.00*	.15	.15	.15
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LOWER PALUXY	3315.04*	.15	.15	.15
LOWER PALUXY	3310.06*	.15	.15	.15
LOWER PALUXY	3305.08*	.15	.15	.15
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LOWER PALUXY	3295.12*	.15	.15	.15
LOWER PALUXY	3290.14*	.15	.15	.15
LOWER PALUXY	3285.16*	.15	.15	.15
LOWER PALUXY	3280.17*	.15	.15	.15
LOWER PALUXY	3275.19*	.15	.15	.15
LOWER PALUXY	3270.21*	.15	.15	.15
LOWER PALUXY	3265.23*	.15	.15	.15
LOWER PALUXY	3260.25*	.15	.15	.15
LOWER PALUXY	3255.27*	.15	.15	.15
LOWER PALUXY	3250.29*	.15	.15	.15
LOWER PALUXY	3245.31*	.15	.15	.15
LOWER PALUXY	3240.33*	.15	.15	.15

LOWER PALUXY	3235.35*	.15	.15	.15
LOWER PALUXY	3230.37*	.15	.15	.15
LOWER PALUXY	3225.39*	.15	.15	.15
LOWER PALUXY	3220.41*	.15	.15	.15
LOWER PALUXY	3215.43*	.15	.15	.15
LOWER PALUXY	3210.45*	.15	.15	.15
LOWER PALUXY	3205.47*	.15	.15	.15
LOWER PALUXY	3200.49*	.15	.15	.15
LOWER PALUXY	3195.51*	.15	.15	.15
LOWER PALUXY	3190.53*	.15	.15	.15
LOWER PALUXY	3185.54*	.15	.15	.15
LOWER PALUXY	3180.56*	.15	.15	.15
LOWER PALUXY	3175.58*	.15	.15	.15
LOWER PALUXY	3170.60*	.15	.15	.15
LOWER PALUXY	3165.62*	.15	.15	.15
LOWER PALUXY	3160.64*	.15	.15	.15
LOWER PALUXY	3155.66*	.15	.15	.15
LOWER PALUXY	3150.68*	.15	.15	.15
LOWER PALUXY	3145.70*	.15	.15	.15
LOWER PALUXY	3140.72*	.15	.15	.15
LOWER PALUXY	3135.74*	.15	.15	.15
LOWER PALUXY	3130.76*	.15	.15	.15
LOWER PALUXY	3125.78*	.15	.15	.15
LOWER PALUXY	3120.80*	.15	.15	.15
LOWER PALUXY	3115.82*	.15	.15	.15
LOWER PALUXY	3110.84*	.15	.15	.15
LOWER PALUXY	3105.86*	.15	.15	.15
LOWER PALUXY	3100.88*	.15	.15	.15
LOWER PALUXY	3095.9*	.15	.15	.15
LOWER PALUXY	3090.91*	.15	.15	.15
LOWER PALUXY	3085.93*	.15	.15	.15
LOWER PALUXY	3080.95*	.15	.15	.15
LOWER PALUXY	3075.97*	.15	.15	.15
LOWER PALUXY	3070.99*	.15	.15	.15
LOWER PALUXY	3066.01*	.15	.15	.15
LOWER PALUXY	3061.03*	.15	.15	.15
LOWER PALUXY	3056.05*	.15	.15	.15
LOWER PALUXY	3051.07*	.15	.15	.15
LOWER PALUXY	3046.09*	.15	.15	.15
LOWER PALUXY	3041.11*	.15	.15	.15
LOWER PALUXY	3036.13*	.15	.15	.15
LOWER PALUXY	3031.15*	.15	.15	.15
LOWER PALUXY	3026.17*	.15	.15	.15
LOWER PALUXY	3021.19*	.15	.15	.15
LOWER PALUXY	3016.21*	.15	.15	.15
LOWER PALUXY	3011.23*	.15	.15	.15
LOWER PALUXY	3006.25*	.15	.15	.15
LOWER PALUXY	3001.27*	.15	.15	.15
LOWER PALUXY	2996.28*	.15	.15	.15
LOWER PALUXY	2991.30*	.15	.15	.15
LOWER PALUXY	2986.32*	.15	.15	.15
LOWER PALUXY	2981.34*	.15	.15	.15
LOWER PALUXY	2976.36*	.15	.15	.15
LOWER PALUXY	2971.38*	.15	.15	.15
LOWER PALUXY	2966.40*	.15	.15	.15
LOWER PALUXY	2961.42*	.15	.15	.15
LOWER PALUXY	2956.44*	.15	.15	.15
LOWER PALUXY	2951.46*	.15	.15	.15
LOWER PALUXY	2946.48*	.15	.15	.15
LOWER PALUXY	2941.50*	.15	.15	.15
LOWER PALUXY	2936.52*	.15	.15	.15
LOWER PALUXY	2931.54*	.15	.15	.15
LOWER PALUXY	2926.56*	.15	.15	.15
LOWER PALUXY	2921.58*	.15	.15	.15
LOWER PALUXY	2916.6*	.15	.15	.15
LOWER PALUXY	2911.62*	.15	.15	.15
LOWER PALUXY	2906.63*	.15	.15	.15
LOWER PALUXY	2901.65*	.15	.15	.15
LOWER PALUXY	2896.67*	.15	.15	.15
LOWER PALUXY	2891.69*	.15	.15	.15
LOWER PALUXY	2886.71*	.15	.15	.15
LOWER PALUXY	2881.73*	.15	.15	.15
LOWER PALUXY	2876.75*	.15	.15	.15
LOWER PALUXY	2871.77*	.15	.15	.15
LOWER PALUXY	2866.79*	.15	.15	.15
LOWER PALUXY	2861.81*	.15	.15	.15
LOWER PALUXY	2856.83*	.15	.15	.15
LOWER PALUXY	2851.85*	.15	.15	.15
LOWER PALUXY	2846.87*	.15	.15	.15
LOWER PALUXY	2841.89*	.15	.15	.15
LOWER PALUXY	2836.91*	.15	.15	.15
LOWER PALUXY	2831.93*	.15	.15	.15
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LOWER PALUXY	2821.97*	.15	.15	.15
LOWER PALUXY	2816.99*	.15	.15	.15
LOWER PALUXY	2812.00*	.15	.15	.15
LOWER PALUXY	2807.02*	.15	.15	.15
LOWER PALUXY	2802.04*	.15	.15	.15
LOWER PALUXY	2797.06*	.15	.15	.15
LOWER PALUXY	2792.08*	.15	.15	.15
LOWER PALUXY	2787.10*	.15	.15	.15
LOWER PALUXY	2782.12*	.15	.15	.15
LOWER PALUXY	2777.14*	.15	.15	.15
LOWER PALUXY	2772.16*	.15	.15	.15
LOWER PALUXY	2767.18*	.15	.15	.15
LOWER PALUXY	2762.20*	.15	.15	.15
LOWER PALUXY	2757.22*	.15	.15	.15
LOWER PALUXY	2752.24*	.15	.15	.15
LOWER PALUXY	2747.26*	.15	.15	.15
LOWER PALUXY	2742.28*	.15	.15	.15
LOWER PALUXY	2737.30*	.15	.15	.15
LOWER PALUXY	2732.32*	.15	.15	.15
LOWER PALUXY	2727.34*	.15	.15	.15
LOWER PALUXY	2722.36*	.15	.15	.15
LOWER PALUXY	2717.37*	.15	.15	.15
LOWER PALUXY	2712.39*	.15	.15	.15
LOWER PALUXY	2707.41*	.15	.15	.15
LOWER PALUXY	2702.43*	.15	.15	.15
LOWER PALUXY	2697.45*	.15	.15	.15
LOWER PALUXY	2692.47*	.15	.15	.15
LOWER PALUXY	2687.49*	.15	.15	.15
LOWER PALUXY	2682.51*	.15	.15	.15
LOWER PALUXY	2677.53*	.15	.15	.15
LOWER PALUXY	2672.55*	.15	.15	.15

LOWER PALUXY	2667.57*	.15	.15	.15
LOWER PALUXY	2662.59*	.15	.15	.15
LOWER PALUXY	2657.61*	.15	.15	.15
LOWER PALUXY	2652.63*	.15	.15	.15
LOWER PALUXY	2647.65*	.15	.15	.15
LOWER PALUXY	2642.67*	.15	.15	.15
LOWER PALUXY	2637.69*	.15	.15	.15
LOWER PALUXY	2632.71*	.15	.15	.15
LOWER PALUXY	2627.72*	.15	.15	.15
LOWER PALUXY	2622.74*	.15	.15	.15
LOWER PALUXY	2617.76*	.15	.15	.15
LOWER PALUXY	2612.78*	.15	.15	.15
LOWER PALUXY	2607.80*	.15	.15	.15
LOWER PALUXY	2602.82*	.15	.15	.15
LOWER PALUXY	2597.84*	.15	.15	.15
LOWER PALUXY	2592.86*	.15	.15	.15
LOWER PALUXY	2587.88*	.15	.15	.15
LOWER PALUXY	2582.90*	.15	.15	.15
LOWER PALUXY	2577.92*	.15	.15	.15
LOWER PALUXY	2572.94*	.15	.15	.15
LOWER PALUXY	2567.96*	.15	.15	.15
LOWER PALUXY	2562.98*	.15	.15	.15
LOWER PALUXY	2558	.15	.15	.15
LOWER PALUXY	924	.15	.15	.15
LOWER PALUXY	923.5*	.15	.15	.15
LOWER PALUXY	923.*	.15	.15	.15
LOWER PALUXY	922.5*	.15	.15	.15
LOWER PALUXY	922.*	.15	.15	.15
LOWER PALUXY	921.5*	.15	.15	.15
LOWER PALUXY	921.*	.15	.15	.15
LOWER PALUXY	920.5*	.15	.15	.15
LOWER PALUXY	920.*	.15	.15	.15
LOWER PALUXY	919.5*	.15	.15	.15
LOWER PALUXY	919.*	.15	.15	.15
LOWER PALUXY	918.5*	.15	.15	.15
LOWER PALUXY	918.*	.15	.15	.15
LOWER PALUXY	917.5*	.15	.15	.15
LOWER PALUXY	917.*	.15	.15	.15
LOWER PALUXY	916.5*	.15	.15	.15
LOWER PALUXY	916.*	.15	.15	.15
LOWER PALUXY	915.5*	.15	.15	.15
LOWER PALUXY	915.*	.15	.15	.15
LOWER PALUXY	914.5*	.15	.15	.15
LOWER PALUXY	914.*	.15	.15	.15
LOWER PALUXY	913.5*	.15	.15	.15
LOWER PALUXY	913.*	.15	.15	.15
LOWER PALUXY	912.5*	.15	.15	.15
LOWER PALUXY	912.*	.15	.15	.15
LOWER PALUXY	911.5*	.15	.15	.15
LOWER PALUXY	911.*	.15	.15	.15
LOWER PALUXY	910.5*	.15	.15	.15
LOWER PALUXY	910.*	.15	.15	.15
LOWER PALUXY	909.5*	.15	.15	.15
LOWER PALUXY	909.*	.15	.15	.15
LOWER PALUXY	908.5*	.15	.15	.15
LOWER PALUXY	908.*	.15	.15	.15
LOWER PALUXY	907.5*	.15	.15	.15
LOWER PALUXY	907.*	.15	.15	.15
LOWER PALUXY	906.5*	.15	.15	.15
LOWER PALUXY	906.*	.15	.15	.15
LOWER PALUXY	905.5*	.15	.15	.15
LOWER PALUXY	905.*	.15	.15	.15
LOWER PALUXY	904.5*	.15	.15	.15
LOWER PALUXY	904.*	.15	.15	.15
LOWER PALUXY	903.5*	.15	.15	.15
LOWER PALUXY	903.*	.15	.15	.15
LOWER PALUXY	902.5*	.15	.15	.15
LOWER PALUXY	902.*	.15	.15	.15
LOWER PALUXY	901.5*	.15	.15	.15
LOWER PALUXY	901.*	.15	.15	.15
LOWER PALUXY	900.5*	.15	.15	.15
LOWER PALUXY	900.*	.15	.15	.15
LOWER PALUXY	899.5*	.15	.15	.15
LOWER PALUXY	899.*	.15	.15	.15
LOWER PALUXY	898.5*	.15	.15	.15
LOWER PALUXY	898.*	.15	.15	.15
LOWER PALUXY	897.5*	.15	.15	.15
LOWER PALUXY	897.*	.15	.15	.15
LOWER PALUXY	896.5*	.15	.15	.15
LOWER PALUXY	896.*	.15	.15	.15
LOWER PALUXY	895.5*	.15	.15	.15
LOWER PALUXY	895.*	.15	.15	.15
LOWER PALUXY	894.5*	.15	.15	.15
LOWER PALUXY	894.*	.15	.15	.15
LOWER PALUXY	893.5*	.15	.15	.15
LOWER PALUXY	893.*	.15	.15	.15
LOWER PALUXY	892.5*	.15	.15	.15
LOWER PALUXY	892.*	.15	.15	.15
LOWER PALUXY	891.5*	.15	.15	.15
LOWER PALUXY	891.*	.15	.15	.15
LOWER PALUXY	890.5*	.15	.15	.15
LOWER PALUXY	890.*	.15	.15	.15
LOWER PALUXY	889.5*	.15	.15	.15
LOWER PALUXY	889.*	.15	.15	.15
LOWER PALUXY	888.5*	.15	.15	.15
LOWER PALUXY	888.*	.15	.15	.15
LOWER PALUXY	887.5*	.15	.15	.15
LOWER PALUXY	887.*	.15	.15	.15
LOWER PALUXY	886.5*	.15	.15	.15
LOWER PALUXY	886.*	.15	.15	.15
LOWER PALUXY	885.5*	.15	.15	.15
LOWER PALUXY	885.*	.15	.15	.15
LOWER PALUXY	884.5*	.15	.15	.15
LOWER PALUXY	884.*	.15	.15	.15
LOWER PALUXY	883.5*	.15	.15	.15
LOWER PALUXY	883.*	.15	.15	.15
LOWER PALUXY	882.5*	.15	.15	.15
LOWER PALUXY	882.*	.15	.15	.15
LOWER PALUXY	881.5*	.15	.15	.15
LOWER PALUXY	881.*	.15	.15	.15
LOWER PALUXY	880.5*	.15	.15	.15
LOWER PALUXY	880.*	.15	.15	.15
LOWER PALUXY	879.5*	.15	.15	.15
LOWER PALUXY	879.*	.15	.15	.15

LOWER PALUXY	878.5*	.15	.15	.15
LOWER PALUXY	878.*	.15	.15	.15
LOWER PALUXY	877.5*	.15	.15	.15
LOWER PALUXY	877.*	.15	.15	.15
LOWER PALUXY	876.5*	.15	.15	.15
LOWER PALUXY	876.*	.15	.15	.15
LOWER PALUXY	875.5*	.15	.15	.15
LOWER PALUXY	875.*	.15	.15	.15
LOWER PALUXY	874.5*	.15	.15	.15
LOWER PALUXY	874	.15	.15	.15

River:SQUAW CREEK

Reach	River Sta.	n1	n2	n3
SC	24757	.15	.15	.15
SC	24756.*	.15	.15	.15
SC	24755.*	.15	.15	.15
SC	24754.*	.15	.15	.15
SC	24753.*	.15	.15	.15
SC	24752.*	.15	.15	.15
SC	24751.*	.15	.15	.15
SC	24750.*	.15	.15	.15
SC	24749.*	.15	.15	.15
SC	24748.*	.15	.15	.15
SC	24747	.15	.15	.15
SC	24722.5*	.15	.15	.15
SC	24698.*	.15	.15	.15
SC	24673.5*	.15	.15	.15
SC	24649.*	.15	.15	.15
SC	24624.5*	.15	.15	.15
SC	24600	.15	.15	.15
SC	24576.2*	.15	.15	.15
SC	24552.4*	.15	.15	.15
SC	24528.6*	.15	.15	.15
SC	24504.9*	.15	.15	.15
SC	24481.1*	.15	.15	.15
SC	24457.3*	.15	.15	.15
SC	24433.6*	.15	.15	.15
SC	24409.8*	.15	.15	.15
SC	24386.0*	.15	.15	.15
SC	24362.3*	.15	.15	.15
SC	24338.5*	.15	.15	.15
SC	24314.7*	.15	.15	.15
SC	24291	.15	.15	.15
SC	23906	.15	.15	.15
SC	23793.3*	.15	.15	.15
SC	23680.6*	.15	.15	.15
SC	23568	.15	.15	.15
SC	23437.*	.15	.15	.15
SC	23306.*	.15	.15	.15
SC	23175.*	.15	.15	.15
SC	23044	.15	.15	.15
SC	22997.6*	.15	.15	.15
SC	22951.3*	.15	.15	.15
SC	22905.0*	.15	.15	.15
SC	22858.7*	.15	.15	.15
SC	22812.4*	.15	.15	.15
SC	22766.1*	.15	.15	.15
SC	22719.8*	.15	.15	.15
SC	22673.5*	.15	.15	.15
SC	22627.2*	.15	.15	.15
SC	22580.9*	.15	.15	.15
SC	22534.6*	.15	.15	.15
SC	22488.3*	.15	.15	.15
SC	22442	.15	.15	.15
SC	21993	.15	.15	.15
SC	21307	.15	.15	.15
SC	21209.5*	.15	.15	.15
SC	21112.*	.15	.15	.15
SC	21014.5*	.15	.15	.15
SC	20917.*	.15	.15	.15
SC	20819.5*	.15	.15	.15
SC	20722.*	.15	.15	.15
SC	20624.5*	.15	.15	.15
SC	20527.*	.15	.15	.15
SC	20429.5*	.15	.15	.15
SC	20332.*	.15	.15	.15
SC	20234.5*	.15	.15	.15
SC	20137	.15	.15	.15
SC	19802	.15	.15	.15
SC	19213	.15	.15	.15
SC	18923	.15	.15	.15
SC	18864	.15	.15	.15
SC	18691.3*	.15	.15	.15
SC	18518.6*	.15	.15	.15
SC	18346	.15	.15	.15
SC	17925	.15	.15	.15
SC	17511	.15	.15	.15
SC	17070	.15	.15	.15
SC	16659	.15	.15	.15
SC	16167	.15	.15	.15
SC	15599	.15	.15	.15
SC	14801	.15	.15	.15
SC	14323	.15	.15	.15
SC	13921	.15	.15	.15
SC	13504	.15	.15	.15
SC	13054	.15	.15	.15
SC	12713	.15	.15	.15
SC	12301	.15	.15	.15
SC	11565	.15	.15	.15
SC	11411	.15	.15	.15
SC	11002	.15	.15	.15
SC	10578	.15	.15	.15
SC	10312	.15	.15	.15
SC	10023	.15	.15	.15
SC	9191	.15	.15	.15
SC	8809	.15	.15	.15
SC	8282	.15	.15	.15
SC	7678	.15	.15	.15
SC	7370	.15	.15	.15
SC	6699	.15	.15	.15
SC	5861	.15	.15	.15

SC	5194	.15	.15	.15
SC	4720	.15	.15	.15
SC	4673.5*	.15	.15	.15
SC	4627.*	.15	.15	.15
SC	4580.5*	.15	.15	.15
SC	4534.*	.15	.15	.15
SC	4487.5*	.15	.15	.15
SC	4441.*	.15	.15	.15
SC	4394.5*	.15	.15	.15
SC	4348.*	.15	.15	.15
SC	4301.5*	.15	.15	.15
SC	4255	.15	.15	.15
SC	4209.5*	.15	.15	.15
SC	4164.*	.15	.15	.15
SC	4118.5*	.15	.15	.15
SC	4073.*	.15	.15	.15
SC	4027.5*	.15	.15	.15
SC	3982.*	.15	.15	.15
SC	3936.5*	.15	.15	.15
SC	3891	.15	.15	.15
SC	3443	.15	.15	.15
SC	3300	.15	.15	.15
SC	3057	.15	.15	.15
SC	2930	.15	.15	.15
SC	2688	.15	.15	.15
SC	2449	.15	.15	.15
SC	2196	.15	.15	.15
SC	2171.*	.15	.15	.15
SC	2146.*	.15	.15	.15
SC	2121.*	.15	.15	.15
SC	2096.*	.15	.15	.15
SC	2071.*	.15	.15	.15
SC	2046.*	.15	.15	.15
SC	2021.*	.15	.15	.15
SC	1996.*	.15	.15	.15
SC	1971.*	.15	.15	.15
SC	1946	.15	.15	.15
SC	1941.04*	.15	.15	.15
SC	1936.09*	.15	.15	.15
SC	1931.14*	.15	.15	.15
SC	1926.19*	.15	.15	.15
SC	1921.24*	.15	.15	.15
SC	1916.29*	.15	.15	.15
SC	1911.34*	.15	.15	.15
SC	1906.39*	.15	.15	.15
SC	1901.44*	.15	.15	.15
SC	1896.49*	.15	.15	.15
SC	1891.54*	.15	.15	.15
SC	1886.59*	.15	.15	.15
SC	1881.64*	.15	.15	.15
SC	1876.69*	.15	.15	.15
SC	1871.74*	.15	.15	.15
SC	1866.79*	.15	.15	.15
SC	1861.83*	.15	.15	.15
SC	1856.88*	.15	.15	.15
SC	1851.93*	.15	.15	.15
SC	1846.98*	.15	.15	.15
SC	1842.03*	.15	.15	.15
SC	1837.08*	.15	.15	.15
SC	1832.13*	.15	.15	.15
SC	1827.18*	.15	.15	.15
SC	1822.23*	.15	.15	.15
SC	1817.28*	.15	.15	.15
SC	1812.33*	.15	.15	.15
SC	1807.38*	.15	.15	.15
SC	1802.43*	.15	.15	.15
SC	1797.48*	.15	.15	.15
SC	1792.53*	.15	.15	.15
SC	1787.58*	.15	.15	.15
SC	1782.63*	.15	.15	.15
SC	1777.67*	.15	.15	.15
SC	1772.72*	.15	.15	.15
SC	1767.77*	.15	.15	.15
SC	1762.82*	.15	.15	.15
SC	1757.87*	.15	.15	.15
SC	1752.92*	.15	.15	.15
SC	1747.97*	.15	.15	.15
SC	1743.02*	.15	.15	.15
SC	1738.07*	.15	.15	.15
SC	1733.12*	.15	.15	.15
SC	1728.17*	.15	.15	.15
SC	1723.22*	.15	.15	.15
SC	1718.27*	.15	.15	.15
SC	1713.32*	.15	.15	.15
SC	1708.37*	.15	.15	.15
SC	1703.42*	.15	.15	.15
SC	1698.46*	.15	.15	.15
SC	1693.51*	.15	.15	.15
SC	1688.56*	.15	.15	.15
SC	1683.61*	.15	.15	.15
SC	1678.66*	.15	.15	.15
SC	1673.71*	.15	.15	.15
SC	1668.76*	.15	.15	.15
SC	1663.81*	.15	.15	.15
SC	1658.86*	.15	.15	.15
SC	1653.91*	.15	.15	.15
SC	1648.96*	.15	.15	.15
SC	1644.01*	.15	.15	.15
SC	1639.06*	.15	.15	.15
SC	1634.11*	.15	.15	.15
SC	1629.16*	.15	.15	.15
SC	1624.21*	.15	.15	.15
SC	1619.25*	.15	.15	.15
SC	1614.30*	.15	.15	.15
SC	1609.35*	.15	.15	.15
SC	1604.40*	.15	.15	.15
SC	1599.45*	.15	.15	.15
SC	1594.50*	.15	.15	.15
SC	1589.55*	.15	.15	.15
SC	1584.60*	.15	.15	.15
SC	1579.65*	.15	.15	.15
SC	1574.70*	.15	.15	.15
SC	1569.75*	.15	.15	.15
SC	1564.80*	.15	.15	.15

SC	1559.85*	.15	.15	.15
SC	1554.90*	.15	.15	.15
SC	1549.95*	.15	.15	.15
SC	1545	.15	.15	.15
SC	1535.26*	.15	.15	.15
SC	1525.52*	.15	.15	.15
SC	1515.79*	.15	.15	.15
SC	1506.05*	.15	.15	.15
SC	1496.32*	.15	.15	.15
SC	1486.58*	.15	.15	.15
SC	1476.85*	.15	.15	.15
SC	1467.11*	.15	.15	.15
SC	1457.38*	.15	.15	.15
SC	1447.64*	.15	.15	.15
SC	1437.91*	.15	.15	.15
SC	1428.17*	.15	.15	.15
SC	1418.44*	.15	.15	.15
SC	1408.70*	.15	.15	.15
SC	1398.97*	.15	.15	.15
SC	1389.23*	.15	.15	.15
SC	1379.5*	.15	.15	.15
SC	1369.76*	.15	.15	.15
SC	1360.02*	.15	.15	.15
SC	1350.29*	.15	.15	.15
SC	1340.55*	.15	.15	.15
SC	1330.82*	.15	.15	.15
SC	1321.08*	.15	.15	.15
SC	1311.35*	.15	.15	.15
SC	1301.61*	.15	.15	.15
SC	1291.88*	.15	.15	.15
SC	1282.14*	.15	.15	.15
SC	1272.41*	.15	.15	.15
SC	1262.67*	.15	.15	.15
SC	1252.94*	.15	.15	.15
SC	1243.20*	.15	.15	.15
SC	1233.47*	.15	.15	.15
SC	1223.73*	.15	.15	.15
SC	1214	.15	.15	.15
SC	1211.05*	.15	.15	.15
SC	1208.11*	.15	.15	.15
SC	1205.17*	.15	.15	.15
SC	1202.23*	.15	.15	.15
SC	1199.29*	.15	.15	.15
SC	1196.35*	.15	.15	.15
SC	1193.41*	.15	.15	.15
SC	1190.47*	.15	.15	.15
SC	1187.52*	.15	.15	.15
SC	1184.58*	.15	.15	.15
SC	1181.64*	.15	.15	.15
SC	1178.70*	.15	.15	.15
SC	1175.76*	.15	.15	.15
SC	1172.82*	.15	.15	.15
SC	1169.88*	.15	.15	.15
SC	1166.94*	.15	.15	.15
SC	1164	.15	.15	.15

SUMMARY OF REACH LENGTHS

River: PALUXY

Reach	River Sta.	Left	Channel	Right
PALUXY RIVER	25092	2347	2347	2347
PALUXY RIVER	22745	1698	1698	1698
PALUXY RIVER	21047	1716	1716	1716
PALUXY RIVER	19331	2054	2054	2054
PALUXY RIVER	17277	1536	1536	1536
PALUXY RIVER	15741	1270	1270	1270
PALUXY RIVER	14471	145.86	145.86	145.86
PALUXY RIVER	14325.1*	145.86	145.86	145.86
PALUXY RIVER	14179.2*	145.86	145.86	145.86
PALUXY RIVER	14033.4*	145.86	145.86	145.86
PALUXY RIVER	13887.5*	145.86	145.86	145.86
PALUXY RIVER	13741.7*	145.86	145.86	145.86
PALUXY RIVER	13595.8*	145.86	145.86	145.86
PALUXY RIVER	13450	1321	1321	1321
PALUXY RIVER	12129	738	738	738
PALUXY RIVER	11391	24.84	24.84	24.84
PALUXY RIVER	11366.1*	24.84	24.84	24.84
PALUXY RIVER	11341.3*	24.84	24.84	24.84
PALUXY RIVER	11316.4*	24.84	24.84	24.84
PALUXY RIVER	11291.6*	24.84	24.84	24.84
PALUXY RIVER	11266.8*	24.84	24.84	24.84
PALUXY RIVER	11241.9*	24.84	24.84	24.84
PALUXY RIVER	11217.1*	24.84	24.84	24.84
PALUXY RIVER	11192.2*	24.84	24.84	24.84
PALUXY RIVER	11167.4*	24.84	24.84	24.84
PALUXY RIVER	11142.6*	24.84	24.84	24.84
PALUXY RIVER	11117.7*	24.84	24.84	24.84
PALUXY RIVER	11092.9*	24.84	24.84	24.84
PALUXY RIVER	11068.0*	24.84	24.84	24.84
PALUXY RIVER	11043.2*	24.84	24.84	24.84
PALUXY RIVER	11018.4*	24.84	24.84	24.84
PALUXY RIVER	10993.5*	24.84	24.84	24.84
PALUXY RIVER	10968.7*	24.84	24.84	24.84
PALUXY RIVER	10943.8*	24.84	24.84	24.84
PALUXY RIVER	10919.0*	24.84	24.84	24.84
PALUXY RIVER	10894.2*	24.84	24.84	24.84
PALUXY RIVER	10869.3*	24.84	24.84	24.84
PALUXY RIVER	10844.5*	24.84	24.84	24.84
PALUXY RIVER	10819.6*	24.84	24.84	24.84
PALUXY RIVER	10794.8*	24.84	24.84	24.84
PALUXY RIVER	10770.*	24.84	24.84	24.84
PALUXY RIVER	10745.1*	24.84	24.84	24.84
PALUXY RIVER	10720.3*	24.84	24.84	24.84
PALUXY RIVER	10695.4*	24.84	24.84	24.84
PALUXY RIVER	10670.6*	24.84	24.84	24.84
PALUXY RIVER	10645.8*	24.84	24.84	24.84
PALUXY RIVER	10620.9*	24.84	24.84	24.84
PALUXY RIVER	10596.1*	24.84	24.84	24.84
PALUXY RIVER	10571.2*	24.84	24.84	24.84

PALUXY RIVER	10546.4*	24.84	24.84	24.84
PALUXY RIVER	10521.6*	24.84	24.84	24.84
PALUXY RIVER	10496.7*	24.84	24.84	24.84
PALUXY RIVER	10471.9*	24.84	24.84	24.84
PALUXY RIVER	10447.0*	24.84	24.84	24.84
PALUXY RIVER	10422.2*	24.84	24.84	24.84
PALUXY RIVER	10397.4*	24.84	24.84	24.84
PALUXY RIVER	10372.5*	24.84	24.84	24.84
PALUXY RIVER	10347.7*	24.84	24.84	24.84
PALUXY RIVER	10322.8*	24.84	24.84	24.84
PALUXY RIVER	10298.0*	24.84	24.84	24.84
PALUXY RIVER	10273.2*	24.84	24.84	24.84
PALUXY RIVER	10248.3*	24.84	24.84	24.84
PALUXY RIVER	10223.5*	24.84	24.84	24.84
PALUXY RIVER	10198.6*	24.84	24.84	24.84
PALUXY RIVER	10173.8*	24.84	24.84	24.84
PALUXY RIVER	10149.*	24.84	24.84	24.84
PALUXY RIVER	10124.1*	24.84	24.84	24.84
PALUXY RIVER	10099.3*	24.84	24.84	24.84
PALUXY RIVER	10074.4*	24.84	24.84	24.84
PALUXY RIVER	10049.6*	24.84	24.84	24.84
PALUXY RIVER	10024.8*	24.84	24.84	24.84
PALUXY RIVER	9999.96*	24.84	24.84	24.84
PALUXY RIVER	9975.12*	24.84	24.84	24.84
PALUXY RIVER	9950.28*	24.84	24.84	24.84
PALUXY RIVER	9925.44*	24.84	24.84	24.84
PALUXY RIVER	9900.6*	24.84	24.84	24.84
PALUXY RIVER	9875.76*	24.84	24.84	24.84
PALUXY RIVER	9850.92*	24.84	24.84	24.84
PALUXY RIVER	9826.08*	24.84	24.84	24.84
PALUXY RIVER	9801.24*	24.84	24.84	24.84
PALUXY RIVER	9776.4*	24.84	24.84	24.84
PALUXY RIVER	9751.56*	24.84	24.84	24.84
PALUXY RIVER	9726.72*	24.84	24.84	24.84
PALUXY RIVER	9701.88*	24.84	24.84	24.84
PALUXY RIVER	9677.04*	24.84	24.84	24.84
PALUXY RIVER	9652.2*	24.84	24.84	24.84
PALUXY RIVER	9627.36*	24.84	24.84	24.84
PALUXY RIVER	9602.52*	24.84	24.84	24.84
PALUXY RIVER	9577.68*	24.84	24.84	24.84
PALUXY RIVER	9552.84*	24.84	24.84	24.84
PALUXY RIVER	9528.00*	24.84	24.84	24.84
PALUXY RIVER	9503.16*	24.84	24.84	24.84
PALUXY RIVER	9478.32*	24.84	24.84	24.84
PALUXY RIVER	9453.48*	24.84	24.84	24.84
PALUXY RIVER	9428.64*	24.84	24.84	24.84
PALUXY RIVER	9403.80*	24.84	24.84	24.84
PALUXY RIVER	9378.96*	24.84	24.84	24.84
PALUXY RIVER	9354.12*	24.84	24.84	24.84
PALUXY RIVER	9329.28*	24.84	24.84	24.84
PALUXY RIVER	9304.44*	24.84	24.84	24.84
PALUXY RIVER	9279.60*	24.84	24.84	24.84
PALUXY RIVER	9254.76*	24.84	24.84	24.84
PALUXY RIVER	9229.92*	24.84	24.84	24.84
PALUXY RIVER	9205.08*	24.84	24.84	24.84
PALUXY RIVER	9180.24*	24.84	24.84	24.84
PALUXY RIVER	9155.4*	24.84	24.84	24.84
PALUXY RIVER	9130.56*	24.84	24.84	24.84
PALUXY RIVER	9105.72*	24.84	24.84	24.84
PALUXY RIVER	9080.88*	24.84	24.84	24.84
PALUXY RIVER	9056.04*	24.84	24.84	24.84
PALUXY RIVER	9031.2*	24.84	24.84	24.84
PALUXY RIVER	9006.35*	24.84	24.84	24.84
PALUXY RIVER	8981.52*	24.84	24.84	24.84
PALUXY RIVER	8956.68*	24.84	24.84	24.84
PALUXY RIVER	8931.84*	24.84	24.84	24.84
PALUXY RIVER	8907	45.86	45.86	45.86
PALUXY RIVER	8861.14*	45.86	45.86	45.86
PALUXY RIVER	8815.28*	45.86	45.86	45.86
PALUXY RIVER	8769.42*	45.86	45.86	45.86
PALUXY RIVER	8723.57*	45.86	45.86	45.86
PALUXY RIVER	8677.71*	45.86	45.86	45.86
PALUXY RIVER	8631.85*	45.86	45.86	45.86
PALUXY RIVER	8586.*	45.86	45.86	45.86
PALUXY RIVER	8540.14*	45.86	45.86	45.86
PALUXY RIVER	8494.28*	45.86	45.86	45.86
PALUXY RIVER	8448.42*	45.86	45.86	45.86
PALUXY RIVER	8402.57*	45.86	45.86	45.86
PALUXY RIVER	8356.71*	45.86	45.86	45.86
PALUXY RIVER	8310.85*	45.86	45.86	45.86
PALUXY RIVER	8265.*	45.86	45.86	45.86
PALUXY RIVER	8219.14*	45.86	45.86	45.86
PALUXY RIVER	8173.28*	45.86	45.86	45.86
PALUXY RIVER	8127.42*	45.86	45.86	45.86
PALUXY RIVER	8081.57*	45.86	45.86	45.86
PALUXY RIVER	8035.71*	45.86	45.86	45.86
PALUXY RIVER	7989.85*	45.86	45.86	45.86
PALUXY RIVER	7944	57.54	57.54	57.54
PALUXY RIVER	7886.4*	57.54	57.54	57.54
PALUXY RIVER	7828.8*	57.54	57.54	57.54
PALUXY RIVER	7771.2*	57.54	57.54	57.54
PALUXY RIVER	7713.6*	57.54	57.54	57.54
PALUXY RIVER	7656.*	57.54	57.54	57.54
PALUXY RIVER	7598.4*	57.54	57.54	57.54
PALUXY RIVER	7540.8*	57.54	57.54	57.54
PALUXY RIVER	7483.2*	57.54	57.54	57.54
PALUXY RIVER	7425.6*	57.54	57.54	57.54
PALUXY RIVER	7368.*	57.54	57.54	57.54
PALUXY RIVER	7310.4*	57.54	57.54	57.54
PALUXY RIVER	7252.8*	57.54	57.54	57.54
PALUXY RIVER	7195.2*	57.54	57.54	57.54
PALUXY RIVER	7137.6*	57.54	57.54	57.54
PALUXY RIVER	7080	14.97	14.97	14.97
PALUXY RIVER	7065.01*	14.97	14.97	14.97
PALUXY RIVER	7050.03*	14.97	14.97	14.97
PALUXY RIVER	7035.04*	14.97	14.97	14.97
PALUXY RIVER	7020.06*	14.97	14.97	14.97
PALUXY RIVER	7005.07*	14.97	14.97	14.97
PALUXY RIVER	6990.09*	14.97	14.97	14.97
PALUXY RIVER	6975.10*	14.97	14.97	14.97
PALUXY RIVER	6960.12*	14.97	14.97	14.97
PALUXY RIVER	6945.13*	14.97	14.97	14.97
PALUXY RIVER	6930.15*	14.97	14.97	14.97
PALUXY RIVER	6915.16*	14.97	14.97	14.97

PALUXY RIVER	6900.18*	14.97	14.97	14.97
PALUXY RIVER	6885.19*	14.97	14.97	14.97
PALUXY RIVER	6870.21*	14.97	14.97	14.97
PALUXY RIVER	6855.22*	14.97	14.97	14.97
PALUXY RIVER	6840.24*	14.97	14.97	14.97
PALUXY RIVER	6825.25*	14.97	14.97	14.97
PALUXY RIVER	6810.27*	14.97	14.97	14.97
PALUXY RIVER	6795.28*	14.97	14.97	14.97
PALUXY RIVER	6780.30*	14.97	14.97	14.97
PALUXY RIVER	6765.31*	14.97	14.97	14.97
PALUXY RIVER	6750.33*	14.97	14.97	14.97
PALUXY RIVER	6735.34*	14.97	14.97	14.97
PALUXY RIVER	6720.36*	14.97	14.97	14.97
PALUXY RIVER	6705.37*	14.97	14.97	14.97
PALUXY RIVER	6690.39*	14.97	14.97	14.97
PALUXY RIVER	6675.40*	14.97	14.97	14.97
PALUXY RIVER	6660.42*	14.97	14.97	14.97
PALUXY RIVER	6645.43*	14.97	14.97	14.97
PALUXY RIVER	6630.45*	14.97	14.97	14.97
PALUXY RIVER	6615.47*	14.97	14.97	14.97
PALUXY RIVER	6600.48*	14.97	14.97	14.97
PALUXY RIVER	6585.5*	14.97	14.97	14.97
PALUXY RIVER	6570.51*	14.97	14.97	14.97
PALUXY RIVER	6555.53*	14.97	14.97	14.97
PALUXY RIVER	6540.54*	14.97	14.97	14.97
PALUXY RIVER	6525.56*	14.97	14.97	14.97
PALUXY RIVER	6510.57*	14.97	14.97	14.97
PALUXY RIVER	6495.59*	14.97	14.97	14.97
PALUXY RIVER	6480.60*	14.97	14.97	14.97
PALUXY RIVER	6465.62*	14.97	14.97	14.97
PALUXY RIVER	6450.63*	14.97	14.97	14.97
PALUXY RIVER	6435.65*	14.97	14.97	14.97
PALUXY RIVER	6420.66*	14.97	14.97	14.97
PALUXY RIVER	6405.68*	14.97	14.97	14.97
PALUXY RIVER	6390.69*	14.97	14.97	14.97
PALUXY RIVER	6375.71*	14.97	14.97	14.97
PALUXY RIVER	6360.72*	14.97	14.97	14.97
PALUXY RIVER	6345.74*	14.97	14.97	14.97
PALUXY RIVER	6330.75*	14.97	14.97	14.97
PALUXY RIVER	6315.77*	14.97	14.97	14.97
PALUXY RIVER	6300.78*	14.97	14.97	14.97
PALUXY RIVER	6285.80*	14.97	14.97	14.97
PALUXY RIVER	6270.81*	14.97	14.97	14.97
PALUXY RIVER	6255.83*	14.97	14.97	14.97
PALUXY RIVER	6240.84*	14.97	14.97	14.97
PALUXY RIVER	6225.86*	14.97	14.97	14.97
PALUXY RIVER	6210.87*	14.97	14.97	14.97
PALUXY RIVER	6195.89*	14.97	14.97	14.97
PALUXY RIVER	6180.91*	14.97	14.97	14.97
PALUXY RIVER	6165.92*	14.97	14.97	14.97
PALUXY RIVER	6150.94*	14.97	14.97	14.97
PALUXY RIVER	6135.95*	14.97	14.97	14.97
PALUXY RIVER	6120.97*	14.97	14.97	14.97
PALUXY RIVER	6105.98*	14.97	14.97	14.97
PALUXY RIVER	6091.00*	14.97	14.97	14.97
PALUXY RIVER	6076.01*	14.97	14.97	14.97
PALUXY RIVER	6061.03*	14.97	14.97	14.97
PALUXY RIVER	6046.04*	14.97	14.97	14.97
PALUXY RIVER	6031.06*	14.97	14.97	14.97
PALUXY RIVER	6016.07*	14.97	14.97	14.97
PALUXY RIVER	6001.09*	14.97	14.97	14.97
PALUXY RIVER	5986.10*	14.97	14.97	14.97
PALUXY RIVER	5971.12*	14.97	14.97	14.97
PALUXY RIVER	5956.13*	14.97	14.97	14.97
PALUXY RIVER	5941.15*	14.97	14.97	14.97
PALUXY RIVER	5926.16*	14.97	14.97	14.97
PALUXY RIVER	5911.18*	14.97	14.97	14.97
PALUXY RIVER	5896.19*	14.97	14.97	14.97
PALUXY RIVER	5881.21*	14.97	14.97	14.97
PALUXY RIVER	5866.22*	14.97	14.97	14.97
PALUXY RIVER	5851.24*	14.97	14.97	14.97
PALUXY RIVER	5836.25*	14.97	14.97	14.97
PALUXY RIVER	5821.27*	14.97	14.97	14.97
PALUXY RIVER	5806.29*	14.97	14.97	14.97
PALUXY RIVER	5791.30*	14.97	14.97	14.97
PALUXY RIVER	5776.32*	14.97	14.97	14.97
PALUXY RIVER	5761.33*	14.97	14.97	14.97
PALUXY RIVER	5746.35*	14.97	14.97	14.97
PALUXY RIVER	5731.36*	14.97	14.97	14.97
PALUXY RIVER	5716.38*	14.97	14.97	14.97
PALUXY RIVER	5701.39*	14.97	14.97	14.97
PALUXY RIVER	5686.41*	14.97	14.97	14.97
PALUXY RIVER	5671.42*	14.97	14.97	14.97
PALUXY RIVER	5656.44*	14.97	14.97	14.97
PALUXY RIVER	5641.45*	14.97	14.97	14.97
PALUXY RIVER	5626.47*	14.97	14.97	14.97
PALUXY RIVER	5611.48*	14.97	14.97	14.97
PALUXY RIVER	5596.50*	14.97	14.97	14.97
PALUXY RIVER	5581.51*	14.97	14.97	14.97
PALUXY RIVER	5566.53*	14.97	14.97	14.97
PALUXY RIVER	5551.54*	14.97	14.97	14.97
PALUXY RIVER	5536.56*	14.97	14.97	14.97
PALUXY RIVER	5521.57*	14.97	14.97	14.97
PALUXY RIVER	5506.59*	14.97	14.97	14.97
PALUXY RIVER	5491.60*	14.97	14.97	14.97
PALUXY RIVER	5476.62*	14.97	14.97	14.97
PALUXY RIVER	5461.63*	14.97	14.97	14.97
PALUXY RIVER	5446.65*	14.97	14.97	14.97
PALUXY RIVER	5431.66*	14.97	14.97	14.97
PALUXY RIVER	5416.68*	14.97	14.97	14.97
PALUXY RIVER	5401.69*	14.97	14.97	14.97
PALUXY RIVER	5386.71*	14.97	14.97	14.97
PALUXY RIVER	5371.72*	14.97	14.97	14.97
PALUXY RIVER	5356.74*	14.97	14.97	14.97
PALUXY RIVER	5341.76*	14.97	14.97	14.97
PALUXY RIVER	5326.77*	14.97	14.97	14.97
PALUXY RIVER	5311.79*	14.97	14.97	14.97
PALUXY RIVER	5296.80*	14.97	14.97	14.97
PALUXY RIVER	5281.82*	14.97	14.97	14.97
PALUXY RIVER	5266.83*	14.97	14.97	14.97
PALUXY RIVER	5251.85*	14.97	14.97	14.97
PALUXY RIVER	5236.86*	14.97	14.97	14.97
PALUXY RIVER	5221.88*	14.97	14.97	14.97
PALUXY RIVER	5206.89*	14.97	14.97	14.97

PALUXY RIVER	5191.91*	14.97	14.97	14.97
PALUXY RIVER	5176.92*	14.97	14.97	14.97
PALUXY RIVER	5161.94*	14.97	14.97	14.97
PALUXY RIVER	5146.95*	14.97	14.97	14.97
PALUXY RIVER	5131.97*	14.97	14.97	14.97
PALUXY RIVER	5116.98*	14.97	14.97	14.97
PALUXY RIVER	5102	5	5	5
LOWER PALUXY	3838	4.99	4.99	4.99
LOWER PALUXY	3833.02*	4.99	4.99	4.99
LOWER PALUXY	3828.03*	4.99	4.99	4.99
LOWER PALUXY	3823.05*	4.99	4.99	4.99
LOWER PALUXY	3818.07*	4.99	4.99	4.99
LOWER PALUXY	3813.09*	4.99	4.99	4.99
LOWER PALUXY	3808.11*	4.99	4.99	4.99
LOWER PALUXY	3803.13*	4.99	4.99	4.99
LOWER PALUXY	3798.15*	4.99	4.99	4.99
LOWER PALUXY	3793.17*	4.99	4.99	4.99
LOWER PALUXY	3788.19*	4.99	4.99	4.99
LOWER PALUXY	3783.21*	4.99	4.99	4.99
LOWER PALUXY	3778.23*	4.99	4.99	4.99
LOWER PALUXY	3773.25*	4.99	4.99	4.99
LOWER PALUXY	3768.27*	4.99	4.99	4.99
LOWER PALUXY	3763.29*	4.99	4.99	4.99
LOWER PALUXY	3758.31*	4.99	4.99	4.99
LOWER PALUXY	3753.33*	4.99	4.99	4.99
LOWER PALUXY	3748.35*	4.99	4.99	4.99
LOWER PALUXY	3743.37*	4.99	4.99	4.99
LOWER PALUXY	3738.38*	4.99	4.99	4.99
LOWER PALUXY	3733.40*	4.99	4.99	4.99
LOWER PALUXY	3728.42*	4.99	4.99	4.99
LOWER PALUXY	3723.44*	4.99	4.99	4.99
LOWER PALUXY	3718.46*	4.99	4.99	4.99
LOWER PALUXY	3713.48*	4.99	4.99	4.99
LOWER PALUXY	3708.50*	4.99	4.99	4.99
LOWER PALUXY	3703.52*	4.99	4.99	4.99
LOWER PALUXY	3698.54*	4.99	4.99	4.99
LOWER PALUXY	3693.56*	4.99	4.99	4.99
LOWER PALUXY	3688.58*	4.99	4.99	4.99
LOWER PALUXY	3683.60*	4.99	4.99	4.99
LOWER PALUXY	3678.62*	4.99	4.99	4.99
LOWER PALUXY	3673.64*	4.99	4.99	4.99
LOWER PALUXY	3668.66*	4.99	4.99	4.99
LOWER PALUXY	3663.68*	4.99	4.99	4.99
LOWER PALUXY	3658.7*	4.99	4.99	4.99
LOWER PALUXY	3653.72*	4.99	4.99	4.99
LOWER PALUXY	3648.73*	4.99	4.99	4.99
LOWER PALUXY	3643.75*	4.99	4.99	4.99
LOWER PALUXY	3638.77*	4.99	4.99	4.99
LOWER PALUXY	3633.79*	4.99	4.99	4.99
LOWER PALUXY	3628.81*	4.99	4.99	4.99
LOWER PALUXY	3623.83*	4.99	4.99	4.99
LOWER PALUXY	3618.85*	4.99	4.99	4.99
LOWER PALUXY	3613.87*	4.99	4.99	4.99
LOWER PALUXY	3608.89*	4.99	4.99	4.99
LOWER PALUXY	3603.91*	4.99	4.99	4.99
LOWER PALUXY	3598.93*	4.99	4.99	4.99
LOWER PALUXY	3593.95*	4.99	4.99	4.99
LOWER PALUXY	3588.97*	4.99	4.99	4.99
LOWER PALUXY	3583.99*	4.99	4.99	4.99
LOWER PALUXY	3579.01*	4.99	4.99	4.99
LOWER PALUXY	3574.03*	4.99	4.99	4.99
LOWER PALUXY	3569.05*	4.99	4.99	4.99
LOWER PALUXY	3564.07*	4.99	4.99	4.99
LOWER PALUXY	3559.08*	4.99	4.99	4.99
LOWER PALUXY	3554.10*	4.99	4.99	4.99
LOWER PALUXY	3549.12*	4.99	4.99	4.99
LOWER PALUXY	3544.14*	4.99	4.99	4.99
LOWER PALUXY	3539.16*	4.99	4.99	4.99
LOWER PALUXY	3534.18*	4.99	4.99	4.99
LOWER PALUXY	3529.20*	4.99	4.99	4.99
LOWER PALUXY	3524.22*	4.99	4.99	4.99
LOWER PALUXY	3519.24*	4.99	4.99	4.99
LOWER PALUXY	3514.26*	4.99	4.99	4.99
LOWER PALUXY	3509.28*	4.99	4.99	4.99
LOWER PALUXY	3504.30*	4.99	4.99	4.99
LOWER PALUXY	3499.32*	4.99	4.99	4.99
LOWER PALUXY	3494.34*	4.99	4.99	4.99
LOWER PALUXY	3489.36*	4.99	4.99	4.99
LOWER PALUXY	3484.38*	4.99	4.99	4.99
LOWER PALUXY	3479.40*	4.99	4.99	4.99
LOWER PALUXY	3474.42*	4.99	4.99	4.99
LOWER PALUXY	3469.44*	4.99	4.99	4.99
LOWER PALUXY	3464.45*	4.99	4.99	4.99
LOWER PALUXY	3459.47*	4.99	4.99	4.99
LOWER PALUXY	3454.49*	4.99	4.99	4.99
LOWER PALUXY	3449.51*	4.99	4.99	4.99
LOWER PALUXY	3444.53*	4.99	4.99	4.99
LOWER PALUXY	3439.55*	4.99	4.99	4.99
LOWER PALUXY	3434.57*	4.99	4.99	4.99
LOWER PALUXY	3429.59*	4.99	4.99	4.99
LOWER PALUXY	3424.61*	4.99	4.99	4.99
LOWER PALUXY	3419.63*	4.99	4.99	4.99
LOWER PALUXY	3414.65*	4.99	4.99	4.99
LOWER PALUXY	3409.67*	4.99	4.99	4.99
LOWER PALUXY	3404.69*	4.99	4.99	4.99
LOWER PALUXY	3399.71*	4.99	4.99	4.99
LOWER PALUXY	3394.73*	4.99	4.99	4.99
LOWER PALUXY	3389.75*	4.99	4.99	4.99
LOWER PALUXY	3384.77*	4.99	4.99	4.99
LOWER PALUXY	3379.79*	4.99	4.99	4.99
LOWER PALUXY	3374.81*	4.99	4.99	4.99
LOWER PALUXY	3369.82*	4.99	4.99	4.99
LOWER PALUXY	3364.84*	4.99	4.99	4.99
LOWER PALUXY	3359.86*	4.99	4.99	4.99
LOWER PALUXY	3354.88*	4.99	4.99	4.99
LOWER PALUXY	3349.90*	4.99	4.99	4.99
LOWER PALUXY	3344.92*	4.99	4.99	4.99
LOWER PALUXY	3339.94*	4.99	4.99	4.99
LOWER PALUXY	3334.96*	4.99	4.99	4.99
LOWER PALUXY	3329.98*	4.99	4.99	4.99
LOWER PALUXY	3325.00*	4.99	4.99	4.99
LOWER PALUXY	3320.02*	4.99	4.99	4.99
LOWER PALUXY	3315.04*	4.99	4.99	4.99
LOWER PALUXY	3310.06*	4.99	4.99	4.99

LOWER PALUXY	3305.08*	4.99	4.99	4.99
LOWER PALUXY	3300.10*	4.99	4.99	4.99
LOWER PALUXY	3295.12*	4.99	4.99	4.99
LOWER PALUXY	3290.14*	4.99	4.99	4.99
LOWER PALUXY	3285.16*	4.99	4.99	4.99
LOWER PALUXY	3280.17*	4.99	4.99	4.99
LOWER PALUXY	3275.19*	4.99	4.99	4.99
LOWER PALUXY	3270.21*	4.99	4.99	4.99
LOWER PALUXY	3265.23*	4.99	4.99	4.99
LOWER PALUXY	3260.25*	4.99	4.99	4.99
LOWER PALUXY	3255.27*	4.99	4.99	4.99
LOWER PALUXY	3250.29*	4.99	4.99	4.99
LOWER PALUXY	3245.31*	4.99	4.99	4.99
LOWER PALUXY	3240.33*	4.99	4.99	4.99
LOWER PALUXY	3235.35*	4.99	4.99	4.99
LOWER PALUXY	3230.37*	4.99	4.99	4.99
LOWER PALUXY	3225.39*	4.99	4.99	4.99
LOWER PALUXY	3220.41*	4.99	4.99	4.99
LOWER PALUXY	3215.43*	4.99	4.99	4.99
LOWER PALUXY	3210.45*	4.99	4.99	4.99
LOWER PALUXY	3205.47*	4.99	4.99	4.99
LOWER PALUXY	3200.49*	4.99	4.99	4.99
LOWER PALUXY	3195.51*	4.99	4.99	4.99
LOWER PALUXY	3190.53*	4.99	4.99	4.99
LOWER PALUXY	3185.54*	4.99	4.99	4.99
LOWER PALUXY	3180.56*	4.99	4.99	4.99
LOWER PALUXY	3175.58*	4.99	4.99	4.99
LOWER PALUXY	3170.60*	4.99	4.99	4.99
LOWER PALUXY	3165.62*	4.99	4.99	4.99
LOWER PALUXY	3160.64*	4.99	4.99	4.99
LOWER PALUXY	3155.66*	4.99	4.99	4.99
LOWER PALUXY	3150.68*	4.99	4.99	4.99
LOWER PALUXY	3145.70*	4.99	4.99	4.99
LOWER PALUXY	3140.72*	4.99	4.99	4.99
LOWER PALUXY	3135.74*	4.99	4.99	4.99
LOWER PALUXY	3130.76*	4.99	4.99	4.99
LOWER PALUXY	3125.78*	4.99	4.99	4.99
LOWER PALUXY	3120.80*	4.99	4.99	4.99
LOWER PALUXY	3115.82*	4.99	4.99	4.99
LOWER PALUXY	3110.84*	4.99	4.99	4.99
LOWER PALUXY	3105.86*	4.99	4.99	4.99
LOWER PALUXY	3100.88*	4.99	4.99	4.99
LOWER PALUXY	3095.9*	4.99	4.99	4.99
LOWER PALUXY	3090.91*	4.99	4.99	4.99
LOWER PALUXY	3085.93*	4.99	4.99	4.99
LOWER PALUXY	3080.95*	4.99	4.99	4.99
LOWER PALUXY	3075.97*	4.99	4.99	4.99
LOWER PALUXY	3070.99*	4.99	4.99	4.99
LOWER PALUXY	3066.01*	4.99	4.99	4.99
LOWER PALUXY	3061.03*	4.99	4.99	4.99
LOWER PALUXY	3056.05*	4.99	4.99	4.99
LOWER PALUXY	3051.07*	4.99	4.99	4.99
LOWER PALUXY	3046.09*	4.99	4.99	4.99
LOWER PALUXY	3041.11*	4.99	4.99	4.99
LOWER PALUXY	3036.13*	4.99	4.99	4.99
LOWER PALUXY	3031.15*	4.99	4.99	4.99
LOWER PALUXY	3026.17*	4.99	4.99	4.99
LOWER PALUXY	3021.19*	4.99	4.99	4.99
LOWER PALUXY	3016.21*	4.99	4.99	4.99
LOWER PALUXY	3011.23*	4.99	4.99	4.99
LOWER PALUXY	3006.25*	4.99	4.99	4.99
LOWER PALUXY	3001.27*	4.99	4.99	4.99
LOWER PALUXY	2996.28*	4.99	4.99	4.99
LOWER PALUXY	2991.30*	4.99	4.99	4.99
LOWER PALUXY	2986.32*	4.99	4.99	4.99
LOWER PALUXY	2981.34*	4.99	4.99	4.99
LOWER PALUXY	2976.36*	4.99	4.99	4.99
LOWER PALUXY	2971.38*	4.99	4.99	4.99
LOWER PALUXY	2966.40*	4.99	4.99	4.99
LOWER PALUXY	2961.42*	4.99	4.99	4.99
LOWER PALUXY	2956.44*	4.99	4.99	4.99
LOWER PALUXY	2951.46*	4.99	4.99	4.99
LOWER PALUXY	2946.48*	4.99	4.99	4.99
LOWER PALUXY	2941.50*	4.99	4.99	4.99
LOWER PALUXY	2936.52*	4.99	4.99	4.99
LOWER PALUXY	2931.54*	4.99	4.99	4.99
LOWER PALUXY	2926.56*	4.99	4.99	4.99
LOWER PALUXY	2921.58*	4.99	4.99	4.99
LOWER PALUXY	2916.6*	4.99	4.99	4.99
LOWER PALUXY	2911.62*	4.99	4.99	4.99
LOWER PALUXY	2906.63*	4.99	4.99	4.99
LOWER PALUXY	2901.65*	4.99	4.99	4.99
LOWER PALUXY	2896.67*	4.99	4.99	4.99
LOWER PALUXY	2891.69*	4.99	4.99	4.99
LOWER PALUXY	2886.71*	4.99	4.99	4.99
LOWER PALUXY	2881.73*	4.99	4.99	4.99
LOWER PALUXY	2876.75*	4.99	4.99	4.99
LOWER PALUXY	2871.77*	4.99	4.99	4.99
LOWER PALUXY	2866.79*	4.99	4.99	4.99
LOWER PALUXY	2861.81*	4.99	4.99	4.99
LOWER PALUXY	2856.83*	4.99	4.99	4.99
LOWER PALUXY	2851.85*	4.99	4.99	4.99
LOWER PALUXY	2846.87*	4.99	4.99	4.99
LOWER PALUXY	2841.89*	4.99	4.99	4.99
LOWER PALUXY	2836.91*	4.99	4.99	4.99
LOWER PALUXY	2831.93*	4.99	4.99	4.99
LOWER PALUXY	2826.95*	4.99	4.99	4.99
LOWER PALUXY	2821.97*	4.99	4.99	4.99
LOWER PALUXY	2816.99*	4.99	4.99	4.99
LOWER PALUXY	2812.00*	4.99	4.99	4.99
LOWER PALUXY	2807.02*	4.99	4.99	4.99
LOWER PALUXY	2802.04*	4.99	4.99	4.99
LOWER PALUXY	2797.06*	4.99	4.99	4.99
LOWER PALUXY	2792.08*	4.99	4.99	4.99
LOWER PALUXY	2787.10*	4.99	4.99	4.99
LOWER PALUXY	2782.12*	4.99	4.99	4.99
LOWER PALUXY	2777.14*	4.99	4.99	4.99
LOWER PALUXY	2772.16*	4.99	4.99	4.99
LOWER PALUXY	2767.18*	4.99	4.99	4.99
LOWER PALUXY	2762.20*	4.99	4.99	4.99
LOWER PALUXY	2757.22*	4.99	4.99	4.99
LOWER PALUXY	2752.24*	4.99	4.99	4.99
LOWER PALUXY	2747.26*	4.99	4.99	4.99
LOWER PALUXY	2742.28*	4.99	4.99	4.99

LOWER PALUXY	2737.30*	4.99	4.99	4.99
LOWER PALUXY	2732.32*	4.99	4.99	4.99
LOWER PALUXY	2727.34*	4.99	4.99	4.99
LOWER PALUXY	2722.36*	4.99	4.99	4.99
LOWER PALUXY	2717.37*	4.99	4.99	4.99
LOWER PALUXY	2712.39*	4.99	4.99	4.99
LOWER PALUXY	2707.41*	4.99	4.99	4.99
LOWER PALUXY	2702.43*	4.99	4.99	4.99
LOWER PALUXY	2697.45*	4.99	4.99	4.99
LOWER PALUXY	2692.47*	4.99	4.99	4.99
LOWER PALUXY	2687.49*	4.99	4.99	4.99
LOWER PALUXY	2682.51*	4.99	4.99	4.99
LOWER PALUXY	2677.53*	4.99	4.99	4.99
LOWER PALUXY	2672.55*	4.99	4.99	4.99
LOWER PALUXY	2667.57*	4.99	4.99	4.99
LOWER PALUXY	2662.59*	4.99	4.99	4.99
LOWER PALUXY	2657.61*	4.99	4.99	4.99
LOWER PALUXY	2652.63*	4.99	4.99	4.99
LOWER PALUXY	2647.65*	4.99	4.99	4.99
LOWER PALUXY	2642.67*	4.99	4.99	4.99
LOWER PALUXY	2637.69*	4.99	4.99	4.99
LOWER PALUXY	2632.71*	4.99	4.99	4.99
LOWER PALUXY	2627.72*	4.99	4.99	4.99
LOWER PALUXY	2622.74*	4.99	4.99	4.99
LOWER PALUXY	2617.76*	4.99	4.99	4.99
LOWER PALUXY	2612.78*	4.99	4.99	4.99
LOWER PALUXY	2607.80*	4.99	4.99	4.99
LOWER PALUXY	2602.82*	4.99	4.99	4.99
LOWER PALUXY	2597.84*	4.99	4.99	4.99
LOWER PALUXY	2592.86*	4.99	4.99	4.99
LOWER PALUXY	2587.88*	4.99	4.99	4.99
LOWER PALUXY	2582.90*	4.99	4.99	4.99
LOWER PALUXY	2577.92*	4.99	4.99	4.99
LOWER PALUXY	2572.94*	4.99	4.99	4.99
LOWER PALUXY	2567.96*	4.99	4.99	4.99
LOWER PALUXY	2562.98*	4.99	4.99	4.99
LOWER PALUXY	2558	1638.36	1638.36	1638.36
LOWER PALUXY	924	.5	.5	.5
LOWER PALUXY	923.5*	.5	.5	.5
LOWER PALUXY	923.*	.5	.5	.5
LOWER PALUXY	922.5*	.5	.5	.5
LOWER PALUXY	922.*	.5	.5	.5
LOWER PALUXY	921.5*	.5	.5	.5
LOWER PALUXY	921.*	.5	.5	.5
LOWER PALUXY	920.5*	.5	.5	.5
LOWER PALUXY	920.*	.5	.5	.5
LOWER PALUXY	919.5*	.5	.5	.5
LOWER PALUXY	919.*	.5	.5	.5
LOWER PALUXY	918.5*	.5	.5	.5
LOWER PALUXY	918.*	.5	.5	.5
LOWER PALUXY	917.5*	.5	.5	.5
LOWER PALUXY	917.*	.5	.5	.5
LOWER PALUXY	916.5*	.5	.5	.5
LOWER PALUXY	916.*	.5	.5	.5
LOWER PALUXY	915.5*	.5	.5	.5
LOWER PALUXY	915.*	.5	.5	.5
LOWER PALUXY	914.5*	.5	.5	.5
LOWER PALUXY	914.*	.5	.5	.5
LOWER PALUXY	913.5*	.5	.5	.5
LOWER PALUXY	913.*	.5	.5	.5
LOWER PALUXY	912.5*	.5	.5	.5
LOWER PALUXY	912.*	.5	.5	.5
LOWER PALUXY	911.5*	.5	.5	.5
LOWER PALUXY	911.*	.5	.5	.5
LOWER PALUXY	910.5*	.5	.5	.5
LOWER PALUXY	910.*	.5	.5	.5
LOWER PALUXY	909.5*	.5	.5	.5
LOWER PALUXY	909.*	.5	.5	.5
LOWER PALUXY	908.5*	.5	.5	.5
LOWER PALUXY	908.*	.5	.5	.5
LOWER PALUXY	907.5*	.5	.5	.5
LOWER PALUXY	907.*	.5	.5	.5
LOWER PALUXY	906.5*	.5	.5	.5
LOWER PALUXY	906.*	.5	.5	.5
LOWER PALUXY	905.5*	.5	.5	.5
LOWER PALUXY	905.*	.5	.5	.5
LOWER PALUXY	904.5*	.5	.5	.5
LOWER PALUXY	904.*	.5	.5	.5
LOWER PALUXY	903.5*	.5	.5	.5
LOWER PALUXY	903.*	.5	.5	.5
LOWER PALUXY	902.5*	.5	.5	.5
LOWER PALUXY	902.*	.5	.5	.5
LOWER PALUXY	901.5*	.5	.5	.5
LOWER PALUXY	901.*	.5	.5	.5
LOWER PALUXY	900.5*	.5	.5	.5
LOWER PALUXY	900.*	.5	.5	.5
LOWER PALUXY	899.5*	.5	.5	.5
LOWER PALUXY	899.*	.5	.5	.5
LOWER PALUXY	898.5*	.5	.5	.5
LOWER PALUXY	898.*	.5	.5	.5
LOWER PALUXY	897.5*	.5	.5	.5
LOWER PALUXY	897.*	.5	.5	.5
LOWER PALUXY	896.5*	.5	.5	.5
LOWER PALUXY	896.*	.5	.5	.5
LOWER PALUXY	895.5*	.5	.5	.5
LOWER PALUXY	895.*	.5	.5	.5
LOWER PALUXY	894.5*	.5	.5	.5
LOWER PALUXY	894.*	.5	.5	.5
LOWER PALUXY	893.5*	.5	.5	.5
LOWER PALUXY	893.*	.5	.5	.5
LOWER PALUXY	892.5*	.5	.5	.5
LOWER PALUXY	892.*	.5	.5	.5
LOWER PALUXY	891.5*	.5	.5	.5
LOWER PALUXY	891.*	.5	.5	.5
LOWER PALUXY	890.5*	.5	.5	.5
LOWER PALUXY	890.*	.5	.5	.5
LOWER PALUXY	889.5*	.5	.5	.5
LOWER PALUXY	889.*	.5	.5	.5
LOWER PALUXY	888.5*	.5	.5	.5
LOWER PALUXY	888.*	.5	.5	.5
LOWER PALUXY	887.5*	.5	.5	.5
LOWER PALUXY	887.*	.5	.5	.5
LOWER PALUXY	886.5*	.5	.5	.5
LOWER PALUXY	886.*	.5	.5	.5

LOWER PALUXY	885.5*	.5	.5	.5
LOWER PALUXY	885.*	.5	.5	.5
LOWER PALUXY	884.5*	.5	.5	.5
LOWER PALUXY	884.*	.5	.5	.5
LOWER PALUXY	883.5*	.5	.5	.5
LOWER PALUXY	883.*	.5	.5	.5
LOWER PALUXY	882.5*	.5	.5	.5
LOWER PALUXY	882.*	.5	.5	.5
LOWER PALUXY	881.5*	.5	.5	.5
LOWER PALUXY	881.*	.5	.5	.5
LOWER PALUXY	880.5*	.5	.5	.5
LOWER PALUXY	880.*	.5	.5	.5
LOWER PALUXY	879.5*	.5	.5	.5
LOWER PALUXY	879.*	.5	.5	.5
LOWER PALUXY	878.5*	.5	.5	.5
LOWER PALUXY	878.*	.5	.5	.5
LOWER PALUXY	877.5*	.5	.5	.5
LOWER PALUXY	877.*	.5	.5	.5
LOWER PALUXY	876.5*	.5	.5	.5
LOWER PALUXY	876.*	.5	.5	.5
LOWER PALUXY	875.5*	.5	.5	.5
LOWER PALUXY	875.*	.5	.5	.5
LOWER PALUXY	874.5*	.5	.5	.5
LOWER PALUXY	874	5	5	5

River: SQUAW CREEK

Reach	River Sta.	Left	Channel	Right
SC	24757	1	1	1
SC	24756.*	1	1	1
SC	24755.*	1	1	1
SC	24754.*	1	1	1
SC	24753.*	1	1	1
SC	24752.*	1	1	1
SC	24751.*	1	1	1
SC	24750.*	1	1	1
SC	24749.*	1	1	1
SC	24748.*	1	1	1
SC	24747	24.5	24.5	24.5
SC	24722.5*	24.5	24.5	24.5
SC	24698.*	24.5	24.5	24.5
SC	24673.5*	24.5	24.5	24.5
SC	24649.*	24.5	24.5	24.5
SC	24624.5*	24.5	24.5	24.5
SC	24600	23.77	23.77	23.77
SC	24576.2*	23.77	23.77	23.77
SC	24552.4*	23.77	23.77	23.77
SC	24528.6*	23.77	23.77	23.77
SC	24504.9*	23.77	23.77	23.77
SC	24481.1*	23.77	23.77	23.77
SC	24457.3*	23.77	23.77	23.77
SC	24433.6*	23.77	23.77	23.77
SC	24409.8*	23.77	23.77	23.77
SC	24386.0*	23.77	23.77	23.77
SC	24362.3*	23.77	23.77	23.77
SC	24338.5*	23.77	23.77	23.77
SC	24314.7*	23.77	23.77	23.77
SC	24291	385	385	385
SC	23906	112.67	112.67	112.67
SC	23793.3*	112.67	112.67	112.67
SC	23680.6*	112.67	112.67	112.67
SC	23568	131	131	131
SC	23437.*	131	131	131
SC	23306.*	131	131	131
SC	23175.*	131	131	131
SC	23044	46.31	46.31	46.31
SC	22997.6*	46.31	46.31	46.31
SC	22951.3*	46.31	46.31	46.31
SC	22905.0*	46.31	46.31	46.31
SC	22858.7*	46.31	46.31	46.31
SC	22812.4*	46.31	46.31	46.31
SC	22766.1*	46.31	46.31	46.31
SC	22719.8*	46.31	46.31	46.31
SC	22673.5*	46.31	46.31	46.31
SC	22627.2*	46.31	46.31	46.31
SC	22580.9*	46.31	46.31	46.31
SC	22534.6*	46.31	46.31	46.31
SC	22488.3*	46.31	46.31	46.31
SC	22442	449	449	449
SC	21993	686	686	686
SC	21307	97.5	97.5	97.5
SC	21209.5*	97.5	97.5	97.5
SC	21112.*	97.5	97.5	97.5
SC	21014.5*	97.5	97.5	97.5
SC	20917.*	97.5	97.5	97.5
SC	20819.5*	97.5	97.5	97.5
SC	20722.*	97.5	97.5	97.5
SC	20624.5*	97.5	97.5	97.5
SC	20527.*	97.5	97.5	97.5
SC	20429.5*	97.5	97.5	97.5
SC	20332.*	97.5	97.5	97.5
SC	20234.5*	97.5	97.5	97.5
SC	20137	335.02	335.02	335.02
SC	19802	589	589	589
SC	19213	290	290	290
SC	18923	59	59	59
SC	18864	172.67	172.67	172.67
SC	18691.3*	172.67	172.67	172.67
SC	18518.6*	172.67	172.67	172.67
SC	18346	421	421	421
SC	17925	414	414	414
SC	17511	441	441	441
SC	17070	411	411	411
SC	16659	492	492	492
SC	16167	568	568	568
SC	15599	798	798	798
SC	14801	478	478	478
SC	14323	402	402	402
SC	13921	417	417	417
SC	13504	450	450	450
SC	13054	341	341	341
SC	12713	412	412	412

SC	12301	736	736	736
SC	11565	154	154	154
SC	11411	409	409	409
SC	11002	424	424	424
SC	10578	266	266	266
SC	10312	289	289	289
SC	10023	832	832	832
SC	9191	382	382	382
SC	8809	527	527	527
SC	8282	604	604	604
SC	7678	308	308	308
SC	7370	671	671	671
SC	6699	838	838	838
SC	5861	667	667	667
SC	5194	474	474	474
SC	4720	46.5	46.5	46.5
SC	4673.5*	46.5	46.5	46.5
SC	4627.*	46.5	46.5	46.5
SC	4580.5*	46.5	46.5	46.5
SC	4534.*	46.5	46.5	46.5
SC	4487.5*	46.5	46.5	46.5
SC	4441.*	46.5	46.5	46.5
SC	4394.5*	46.5	46.5	46.5
SC	4348.*	46.5	46.5	46.5
SC	4301.5*	46.5	46.5	46.5
SC	4255	45.5	45.5	45.5
SC	4209.5*	45.5	45.5	45.5
SC	4164.*	45.5	45.5	45.5
SC	4118.5*	45.5	45.5	45.5
SC	4073.*	45.5	45.5	45.5
SC	4027.5*	45.5	45.5	45.5
SC	3982.*	45.5	45.5	45.5
SC	3936.5*	45.5	45.5	45.5
SC	3891	448	448	448
SC	3443	143	143	143
SC	3300	243	243	243
SC	3057	127	127	127
SC	2930	242.06	242.06	242.06
SC	2688	239.04	239.04	239.04
SC	2449	252.96	252.96	252.96
SC	2196	25	25	25
SC	2171.*	25	25	25
SC	2146.*	25	25	25
SC	2121.*	25	25	25
SC	2096.*	25	25	25
SC	2071.*	25	25	25
SC	2046.*	25	25	25
SC	2021.*	25	25	25
SC	1996.*	25	25	25
SC	1971.*	25	25	25
SC	1946	4.95	4.95	4.95
SC	1941.04*	4.95	4.95	4.95
SC	1936.09*	4.95	4.95	4.95
SC	1931.14*	4.95	4.95	4.95
SC	1926.19*	4.95	4.95	4.95
SC	1921.24*	4.95	4.95	4.95
SC	1916.29*	4.95	4.95	4.95
SC	1911.34*	4.95	4.95	4.95
SC	1906.39*	4.95	4.95	4.95
SC	1901.44*	4.95	4.95	4.95
SC	1896.49*	4.95	4.95	4.95
SC	1891.54*	4.95	4.95	4.95
SC	1886.59*	4.95	4.95	4.95
SC	1881.64*	4.95	4.95	4.95
SC	1876.69*	4.95	4.95	4.95
SC	1871.74*	4.95	4.95	4.95
SC	1866.79*	4.95	4.95	4.95
SC	1861.83*	4.95	4.95	4.95
SC	1856.88*	4.95	4.95	4.95
SC	1851.93*	4.95	4.95	4.95
SC	1846.98*	4.95	4.95	4.95
SC	1842.03*	4.95	4.95	4.95
SC	1837.08*	4.95	4.95	4.95
SC	1832.13*	4.95	4.95	4.95
SC	1827.18*	4.95	4.95	4.95
SC	1822.23*	4.95	4.95	4.95
SC	1817.28*	4.95	4.95	4.95
SC	1812.33*	4.95	4.95	4.95
SC	1807.38*	4.95	4.95	4.95
SC	1802.43*	4.95	4.95	4.95
SC	1797.48*	4.95	4.95	4.95
SC	1792.53*	4.95	4.95	4.95
SC	1787.58*	4.95	4.95	4.95
SC	1782.63*	4.95	4.95	4.95
SC	1777.67*	4.95	4.95	4.95
SC	1772.72*	4.95	4.95	4.95
SC	1767.77*	4.95	4.95	4.95
SC	1762.82*	4.95	4.95	4.95
SC	1757.87*	4.95	4.95	4.95
SC	1752.92*	4.95	4.95	4.95
SC	1747.97*	4.95	4.95	4.95
SC	1743.02*	4.95	4.95	4.95
SC	1738.07*	4.95	4.95	4.95
SC	1733.12*	4.95	4.95	4.95
SC	1728.17*	4.95	4.95	4.95
SC	1723.22*	4.95	4.95	4.95
SC	1718.27*	4.95	4.95	4.95
SC	1713.32*	4.95	4.95	4.95
SC	1708.37*	4.95	4.95	4.95
SC	1703.42*	4.95	4.95	4.95
SC	1698.46*	4.95	4.95	4.95
SC	1693.51*	4.95	4.95	4.95
SC	1688.56*	4.95	4.95	4.95
SC	1683.61*	4.95	4.95	4.95
SC	1678.66*	4.95	4.95	4.95
SC	1673.71*	4.95	4.95	4.95
SC	1668.76*	4.95	4.95	4.95
SC	1663.81*	4.95	4.95	4.95
SC	1658.86*	4.95	4.95	4.95
SC	1653.91*	4.95	4.95	4.95
SC	1648.96*	4.95	4.95	4.95
SC	1644.01*	4.95	4.95	4.95
SC	1639.06*	4.95	4.95	4.95
SC	1634.11*	4.95	4.95	4.95

SC	1629.16*	4.95	4.95	4.95
SC	1624.21*	4.95	4.95	4.95
SC	1619.25*	4.95	4.95	4.95
SC	1614.30*	4.95	4.95	4.95
SC	1609.35*	4.95	4.95	4.95
SC	1604.40*	4.95	4.95	4.95
SC	1599.45*	4.95	4.95	4.95
SC	1594.50*	4.95	4.95	4.95
SC	1589.55*	4.95	4.95	4.95
SC	1584.60*	4.95	4.95	4.95
SC	1579.65*	4.95	4.95	4.95
SC	1574.70*	4.95	4.95	4.95
SC	1569.75*	4.95	4.95	4.95
SC	1564.80*	4.95	4.95	4.95
SC	1559.85*	4.95	4.95	4.95
SC	1554.90*	4.95	4.95	4.95
SC	1549.95*	4.95	4.95	4.95
SC	1545	9.74	9.74	9.74
SC	1535.26*	9.74	9.74	9.74
SC	1525.52*	9.74	9.74	9.74
SC	1515.79*	9.74	9.74	9.74
SC	1506.05*	9.74	9.74	9.74
SC	1496.32*	9.74	9.74	9.74
SC	1486.58*	9.74	9.74	9.74
SC	1476.85*	9.74	9.74	9.74
SC	1467.11*	9.74	9.74	9.74
SC	1457.38*	9.74	9.74	9.74
SC	1447.64*	9.74	9.74	9.74
SC	1437.91*	9.74	9.74	9.74
SC	1428.17*	9.74	9.74	9.74
SC	1418.44*	9.74	9.74	9.74
SC	1408.70*	9.74	9.74	9.74
SC	1398.97*	9.74	9.74	9.74
SC	1389.23*	9.74	9.74	9.74
SC	1379.5*	9.74	9.74	9.74
SC	1369.76*	9.74	9.74	9.74
SC	1360.02*	9.74	9.74	9.74
SC	1350.29*	9.74	9.74	9.74
SC	1340.55*	9.74	9.74	9.74
SC	1330.82*	9.74	9.74	9.74
SC	1321.08*	9.74	9.74	9.74
SC	1311.35*	9.74	9.74	9.74
SC	1301.61*	9.74	9.74	9.74
SC	1291.88*	9.74	9.74	9.74
SC	1282.14*	9.74	9.74	9.74
SC	1272.41*	9.74	9.74	9.74
SC	1262.67*	9.74	9.74	9.74
SC	1252.94*	9.74	9.74	9.74
SC	1243.20*	9.74	9.74	9.74
SC	1233.47*	9.74	9.74	9.74
SC	1223.73*	9.74	9.74	9.74
SC	1214	2.94	2.94	2.94
SC	1211.05*	2.94	2.94	2.94
SC	1208.11*	2.94	2.94	2.94
SC	1205.17*	2.94	2.94	2.94
SC	1202.23*	2.94	2.94	2.94
SC	1199.29*	2.94	2.94	2.94
SC	1196.35*	2.94	2.94	2.94
SC	1193.41*	2.94	2.94	2.94
SC	1190.47*	2.94	2.94	2.94
SC	1187.52*	2.94	2.94	2.94
SC	1184.58*	2.94	2.94	2.94
SC	1181.64*	2.94	2.94	2.94
SC	1178.70*	2.94	2.94	2.94
SC	1175.76*	2.94	2.94	2.94
SC	1172.82*	2.94	2.94	2.94
SC	1169.88*	2.94	2.94	2.94
SC	1166.94*	2.94	2.94	2.94
SC	1164	5	5	5

SUMMARY OF CONTRACTION AND EXPANSION COEFFICIENTS
River: PALUXY

Reach	River Sta.	Contr.	Expan.
PALUXY RIVER	25092	.1	.3
PALUXY RIVER	22745	.1	.3
PALUXY RIVER	21047	.1	.3
PALUXY RIVER	19331	.1	.3
PALUXY RIVER	17277	.1	.3
PALUXY RIVER	15741	.1	.3
PALUXY RIVER	14471	.1	.3
PALUXY RIVER	14325.1*	.1	.3
PALUXY RIVER	14179.2*	.1	.3
PALUXY RIVER	14033.4*	.1	.3
PALUXY RIVER	13887.5*	.1	.3
PALUXY RIVER	13741.7*	.1	.3
PALUXY RIVER	13595.8*	.1	.3
PALUXY RIVER	13450	.1	.3
PALUXY RIVER	12129	.1	.3
PALUXY RIVER	11391	.1	.3
PALUXY RIVER	11366.1*	.1	.3
PALUXY RIVER	11341.3*	.1	.3
PALUXY RIVER	11316.4*	.1	.3
PALUXY RIVER	11291.6*	.1	.3
PALUXY RIVER	11266.8*	.1	.3
PALUXY RIVER	11241.9*	.1	.3
PALUXY RIVER	11217.1*	.1	.3
PALUXY RIVER	11192.2*	.1	.3
PALUXY RIVER	11167.4*	.1	.3
PALUXY RIVER	11142.6*	.1	.3
PALUXY RIVER	11117.7*	.1	.3
PALUXY RIVER	11092.9*	.1	.3
PALUXY RIVER	11068.0*	.1	.3
PALUXY RIVER	11043.2*	.1	.3
PALUXY RIVER	11018.4*	.1	.3
PALUXY RIVER	10993.5*	.1	.3
PALUXY RIVER	10968.7*	.1	.3
PALUXY RIVER	10943.8*	.1	.3
PALUXY RIVER	10919.0*	.1	.3

PALUXY RIVER	10894.2*	.1	.3
PALUXY RIVER	10869.3*	.1	.3
PALUXY RIVER	10844.5*	.1	.3
PALUXY RIVER	10819.6*	.1	.3
PALUXY RIVER	10794.8*	.1	.3
PALUXY RIVER	10770.*	.1	.3
PALUXY RIVER	10745.1*	.1	.3
PALUXY RIVER	10720.3*	.1	.3
PALUXY RIVER	10695.4*	.1	.3
PALUXY RIVER	10670.6*	.1	.3
PALUXY RIVER	10645.8*	.1	.3
PALUXY RIVER	10620.9*	.1	.3
PALUXY RIVER	10596.1*	.1	.3
PALUXY RIVER	10571.2*	.1	.3
PALUXY RIVER	10546.4*	.1	.3
PALUXY RIVER	10521.6*	.1	.3
PALUXY RIVER	10496.7*	.1	.3
PALUXY RIVER	10471.9*	.1	.3
PALUXY RIVER	10447.0*	.1	.3
PALUXY RIVER	10422.2*	.1	.3
PALUXY RIVER	10397.4*	.1	.3
PALUXY RIVER	10372.5*	.1	.3
PALUXY RIVER	10347.7*	.1	.3
PALUXY RIVER	10322.8*	.1	.3
PALUXY RIVER	10298.0*	.1	.3
PALUXY RIVER	10273.2*	.1	.3
PALUXY RIVER	10248.3*	.1	.3
PALUXY RIVER	10223.5*	.1	.3
PALUXY RIVER	10198.6*	.1	.3
PALUXY RIVER	10173.8*	.1	.3
PALUXY RIVER	10149.*	.1	.3
PALUXY RIVER	10124.1*	.1	.3
PALUXY RIVER	10099.3*	.1	.3
PALUXY RIVER	10074.4*	.1	.3
PALUXY RIVER	10049.6*	.1	.3
PALUXY RIVER	10024.8*	.1	.3
PALUXY RIVER	9999.96*	.1	.3
PALUXY RIVER	9975.12*	.1	.3
PALUXY RIVER	9950.28*	.1	.3
PALUXY RIVER	9925.44*	.1	.3
PALUXY RIVER	9900.6*	.1	.3
PALUXY RIVER	9875.76*	.1	.3
PALUXY RIVER	9850.92*	.1	.3
PALUXY RIVER	9826.08*	.1	.3
PALUXY RIVER	9801.24*	.1	.3
PALUXY RIVER	9776.4*	.1	.3
PALUXY RIVER	9751.56*	.1	.3
PALUXY RIVER	9726.72*	.1	.3
PALUXY RIVER	9701.88*	.1	.3
PALUXY RIVER	9677.04*	.1	.3
PALUXY RIVER	9652.2*	.1	.3
PALUXY RIVER	9627.36*	.1	.3
PALUXY RIVER	9602.52*	.1	.3
PALUXY RIVER	9577.68*	.1	.3
PALUXY RIVER	9552.84*	.1	.3
PALUXY RIVER	9528.00*	.1	.3
PALUXY RIVER	9503.16*	.1	.3
PALUXY RIVER	9478.32*	.1	.3
PALUXY RIVER	9453.48*	.1	.3
PALUXY RIVER	9428.64*	.1	.3
PALUXY RIVER	9403.80*	.1	.3
PALUXY RIVER	9378.96*	.1	.3
PALUXY RIVER	9354.12*	.1	.3
PALUXY RIVER	9329.28*	.1	.3
PALUXY RIVER	9304.44*	.1	.3
PALUXY RIVER	9279.60*	.1	.3
PALUXY RIVER	9254.76*	.1	.3
PALUXY RIVER	9229.92*	.1	.3
PALUXY RIVER	9205.08*	.1	.3
PALUXY RIVER	9180.24*	.1	.3
PALUXY RIVER	9155.4*	.1	.3
PALUXY RIVER	9130.56*	.1	.3
PALUXY RIVER	9105.72*	.1	.3
PALUXY RIVER	9080.88*	.1	.3
PALUXY RIVER	9056.04*	.1	.3
PALUXY RIVER	9031.2*	.1	.3
PALUXY RIVER	9006.35*	.1	.3
PALUXY RIVER	8981.52*	.1	.3
PALUXY RIVER	8956.68*	.1	.3
PALUXY RIVER	8931.84*	.1	.3
PALUXY RIVER	8907	.1	.3
PALUXY RIVER	8861.14*	.1	.3
PALUXY RIVER	8815.28*	.1	.3
PALUXY RIVER	8769.42*	.1	.3
PALUXY RIVER	8723.57*	.1	.3
PALUXY RIVER	8677.71*	.1	.3
PALUXY RIVER	8631.85*	.1	.3
PALUXY RIVER	8586.*	.1	.3
PALUXY RIVER	8540.14*	.1	.3
PALUXY RIVER	8494.28*	.1	.3
PALUXY RIVER	8448.42*	.1	.3
PALUXY RIVER	8402.57*	.1	.3
PALUXY RIVER	8356.71*	.1	.3
PALUXY RIVER	8310.85*	.1	.3
PALUXY RIVER	8265.*	.1	.3
PALUXY RIVER	8219.14*	.1	.3
PALUXY RIVER	8173.28*	.1	.3
PALUXY RIVER	8127.42*	.1	.3
PALUXY RIVER	8081.57*	.1	.3
PALUXY RIVER	8035.71*	.1	.3
PALUXY RIVER	7989.85*	.1	.3
PALUXY RIVER	7944	.1	.3
PALUXY RIVER	7886.4*	.1	.3
PALUXY RIVER	7828.8*	.1	.3
PALUXY RIVER	7771.2*	.1	.3
PALUXY RIVER	7713.6*	.1	.3
PALUXY RIVER	7656.*	.1	.3
PALUXY RIVER	7598.4*	.1	.3
PALUXY RIVER	7540.8*	.1	.3
PALUXY RIVER	7483.2*	.1	.3
PALUXY RIVER	7425.6*	.1	.3
PALUXY RIVER	7368.*	.1	.3
PALUXY RIVER	7310.4*	.1	.3
PALUXY RIVER	7252.8*	.1	.3

PALUXY RIVER	7195.2*	.1	.3
PALUXY RIVER	7137.6*	.1	.3
PALUXY RIVER	7080	.1	.3
PALUXY RIVER	7065.01*	.1	.3
PALUXY RIVER	7050.03*	.1	.3
PALUXY RIVER	7035.04*	.1	.3
PALUXY RIVER	7020.06*	.1	.3
PALUXY RIVER	7005.07*	.1	.3
PALUXY RIVER	6990.09*	.1	.3
PALUXY RIVER	6975.10*	.1	.3
PALUXY RIVER	6960.12*	.1	.3
PALUXY RIVER	6945.13*	.1	.3
PALUXY RIVER	6930.15*	.1	.3
PALUXY RIVER	6915.16*	.1	.3
PALUXY RIVER	6900.18*	.1	.3
PALUXY RIVER	6885.19*	.1	.3
PALUXY RIVER	6870.21*	.1	.3
PALUXY RIVER	6855.22*	.1	.3
PALUXY RIVER	6840.24*	.1	.3
PALUXY RIVER	6825.25*	.1	.3
PALUXY RIVER	6810.27*	.1	.3
PALUXY RIVER	6795.28*	.1	.3
PALUXY RIVER	6780.30*	.1	.3
PALUXY RIVER	6765.31*	.1	.3
PALUXY RIVER	6750.33*	.1	.3
PALUXY RIVER	6735.34*	.1	.3
PALUXY RIVER	6720.36*	.1	.3
PALUXY RIVER	6705.37*	.1	.3
PALUXY RIVER	6690.39*	.1	.3
PALUXY RIVER	6675.40*	.1	.3
PALUXY RIVER	6660.42*	.1	.3
PALUXY RIVER	6645.43*	.1	.3
PALUXY RIVER	6630.45*	.1	.3
PALUXY RIVER	6615.47*	.1	.3
PALUXY RIVER	6600.48*	.1	.3
PALUXY RIVER	6585.5*	.1	.3
PALUXY RIVER	6570.51*	.1	.3
PALUXY RIVER	6555.53*	.1	.3
PALUXY RIVER	6540.54*	.1	.3
PALUXY RIVER	6525.56*	.1	.3
PALUXY RIVER	6510.57*	.1	.3
PALUXY RIVER	6495.59*	.1	.3
PALUXY RIVER	6480.60*	.1	.3
PALUXY RIVER	6465.62*	.1	.3
PALUXY RIVER	6450.63*	.1	.3
PALUXY RIVER	6435.65*	.1	.3
PALUXY RIVER	6420.66*	.1	.3
PALUXY RIVER	6405.68*	.1	.3
PALUXY RIVER	6390.69*	.1	.3
PALUXY RIVER	6375.71*	.1	.3
PALUXY RIVER	6360.72*	.1	.3
PALUXY RIVER	6345.74*	.1	.3
PALUXY RIVER	6330.75*	.1	.3
PALUXY RIVER	6315.77*	.1	.3
PALUXY RIVER	6300.78*	.1	.3
PALUXY RIVER	6285.80*	.1	.3
PALUXY RIVER	6270.81*	.1	.3
PALUXY RIVER	6255.83*	.1	.3
PALUXY RIVER	6240.84*	.1	.3
PALUXY RIVER	6225.86*	.1	.3
PALUXY RIVER	6210.87*	.1	.3
PALUXY RIVER	6195.89*	.1	.3
PALUXY RIVER	6180.91*	.1	.3
PALUXY RIVER	6165.92*	.1	.3
PALUXY RIVER	6150.94*	.1	.3
PALUXY RIVER	6135.95*	.1	.3
PALUXY RIVER	6120.97*	.1	.3
PALUXY RIVER	6105.98*	.1	.3
PALUXY RIVER	6091.00*	.1	.3
PALUXY RIVER	6076.01*	.1	.3
PALUXY RIVER	6061.03*	.1	.3
PALUXY RIVER	6046.04*	.1	.3
PALUXY RIVER	6031.06*	.1	.3
PALUXY RIVER	6016.07*	.1	.3
PALUXY RIVER	6001.09*	.1	.3
PALUXY RIVER	5986.10*	.1	.3
PALUXY RIVER	5971.12*	.1	.3
PALUXY RIVER	5956.13*	.1	.3
PALUXY RIVER	5941.15*	.1	.3
PALUXY RIVER	5926.16*	.1	.3
PALUXY RIVER	5911.18*	.1	.3
PALUXY RIVER	5896.19*	.1	.3
PALUXY RIVER	5881.21*	.1	.3
PALUXY RIVER	5866.22*	.1	.3
PALUXY RIVER	5851.24*	.1	.3
PALUXY RIVER	5836.25*	.1	.3
PALUXY RIVER	5821.27*	.1	.3
PALUXY RIVER	5806.29*	.1	.3
PALUXY RIVER	5791.30*	.1	.3
PALUXY RIVER	5776.32*	.1	.3
PALUXY RIVER	5761.33*	.1	.3
PALUXY RIVER	5746.35*	.1	.3
PALUXY RIVER	5731.36*	.1	.3
PALUXY RIVER	5716.38*	.1	.3
PALUXY RIVER	5701.39*	.1	.3
PALUXY RIVER	5686.41*	.1	.3
PALUXY RIVER	5671.42*	.1	.3
PALUXY RIVER	5656.44*	.1	.3
PALUXY RIVER	5641.45*	.1	.3
PALUXY RIVER	5626.47*	.1	.3
PALUXY RIVER	5611.48*	.1	.3
PALUXY RIVER	5596.50*	.1	.3
PALUXY RIVER	5581.51*	.1	.3
PALUXY RIVER	5566.53*	.1	.3
PALUXY RIVER	5551.54*	.1	.3
PALUXY RIVER	5536.56*	.1	.3
PALUXY RIVER	5521.57*	.1	.3
PALUXY RIVER	5506.59*	.1	.3
PALUXY RIVER	5491.60*	.1	.3
PALUXY RIVER	5476.62*	.1	.3
PALUXY RIVER	5461.63*	.1	.3
PALUXY RIVER	5446.65*	.1	.3
PALUXY RIVER	5431.66*	.1	.3
PALUXY RIVER	5416.68*	.1	.3

PALUXY RIVER	5401.69*	.1	.3
PALUXY RIVER	5386.71*	.1	.3
PALUXY RIVER	5371.72*	.1	.3
PALUXY RIVER	5356.74*	.1	.3
PALUXY RIVER	5341.76*	.1	.3
PALUXY RIVER	5326.77*	.1	.3
PALUXY RIVER	5311.79*	.1	.3
PALUXY RIVER	5296.80*	.1	.3
PALUXY RIVER	5281.82*	.1	.3
PALUXY RIVER	5266.83*	.1	.3
PALUXY RIVER	5251.85*	.1	.3
PALUXY RIVER	5236.86*	.1	.3
PALUXY RIVER	5221.88*	.1	.3
PALUXY RIVER	5206.89*	.1	.3
PALUXY RIVER	5191.91*	.1	.3
PALUXY RIVER	5176.92*	.1	.3
PALUXY RIVER	5161.94*	.1	.3
PALUXY RIVER	5146.95*	.1	.3
PALUXY RIVER	5131.97*	.1	.3
PALUXY RIVER	5116.98*	.1	.3
PALUXY RIVER	5102	.1	.3
LOWER PALUXY	3838	.1	.3
LOWER PALUXY	3833.02*	.1	.3
LOWER PALUXY	3828.03*	.1	.3
LOWER PALUXY	3823.05*	.1	.3
LOWER PALUXY	3818.07*	.1	.3
LOWER PALUXY	3813.09*	.1	.3
LOWER PALUXY	3808.11*	.1	.3
LOWER PALUXY	3803.13*	.1	.3
LOWER PALUXY	3798.15*	.1	.3
LOWER PALUXY	3793.17*	.1	.3
LOWER PALUXY	3788.19*	.1	.3
LOWER PALUXY	3783.21*	.1	.3
LOWER PALUXY	3778.23*	.1	.3
LOWER PALUXY	3773.25*	.1	.3
LOWER PALUXY	3768.27*	.1	.3
LOWER PALUXY	3763.29*	.1	.3
LOWER PALUXY	3758.31*	.1	.3
LOWER PALUXY	3753.33*	.1	.3
LOWER PALUXY	3748.35*	.1	.3
LOWER PALUXY	3743.37*	.1	.3
LOWER PALUXY	3738.38*	.1	.3
LOWER PALUXY	3733.40*	.1	.3
LOWER PALUXY	3728.42*	.1	.3
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LOWER PALUXY	3673.64*	.1	.3
LOWER PALUXY	3668.66*	.1	.3
LOWER PALUXY	3663.68*	.1	.3
LOWER PALUXY	3658.7*	.1	.3
LOWER PALUXY	3653.72*	.1	.3
LOWER PALUXY	3648.73*	.1	.3
LOWER PALUXY	3643.75*	.1	.3
LOWER PALUXY	3638.77*	.1	.3
LOWER PALUXY	3633.79*	.1	.3
LOWER PALUXY	3628.81*	.1	.3
LOWER PALUXY	3623.83*	.1	.3
LOWER PALUXY	3618.85*	.1	.3
LOWER PALUXY	3613.87*	.1	.3
LOWER PALUXY	3608.89*	.1	.3
LOWER PALUXY	3603.91*	.1	.3
LOWER PALUXY	3598.93*	.1	.3
LOWER PALUXY	3593.95*	.1	.3
LOWER PALUXY	3588.97*	.1	.3
LOWER PALUXY	3583.99*	.1	.3
LOWER PALUXY	3579.01*	.1	.3
LOWER PALUXY	3574.03*	.1	.3
LOWER PALUXY	3569.05*	.1	.3
LOWER PALUXY	3564.07*	.1	.3
LOWER PALUXY	3559.08*	.1	.3
LOWER PALUXY	3554.10*	.1	.3
LOWER PALUXY	3549.12*	.1	.3
LOWER PALUXY	3544.14*	.1	.3
LOWER PALUXY	3539.16*	.1	.3
LOWER PALUXY	3534.18*	.1	.3
LOWER PALUXY	3529.20*	.1	.3
LOWER PALUXY	3524.22*	.1	.3
LOWER PALUXY	3519.24*	.1	.3
LOWER PALUXY	3514.26*	.1	.3
LOWER PALUXY	3509.28*	.1	.3
LOWER PALUXY	3504.30*	.1	.3
LOWER PALUXY	3499.32*	.1	.3
LOWER PALUXY	3494.34*	.1	.3
LOWER PALUXY	3489.36*	.1	.3
LOWER PALUXY	3484.38*	.1	.3
LOWER PALUXY	3479.40*	.1	.3
LOWER PALUXY	3474.42*	.1	.3
LOWER PALUXY	3469.44*	.1	.3
LOWER PALUXY	3464.45*	.1	.3
LOWER PALUXY	3459.47*	.1	.3
LOWER PALUXY	3454.49*	.1	.3
LOWER PALUXY	3449.51*	.1	.3
LOWER PALUXY	3444.53*	.1	.3
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LOWER PALUXY	3414.65*	.1	.3
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LOWER PALUXY	3399.71*	.1	.3
LOWER PALUXY	3394.73*	.1	.3
LOWER PALUXY	3389.75*	.1	.3
LOWER PALUXY	3384.77*	.1	.3
LOWER PALUXY	3379.79*	.1	.3

LOWER PALUXY	3374.81*	.1	.3
LOWER PALUXY	3369.82*	.1	.3
LOWER PALUXY	3364.84*	.1	.3
LOWER PALUXY	3359.86*	.1	.3
LOWER PALUXY	3354.88*	.1	.3
LOWER PALUXY	3349.90*	.1	.3
LOWER PALUXY	3344.92*	.1	.3
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LOWER PALUXY	3329.98*	.1	.3
LOWER PALUXY	3325.00*	.1	.3
LOWER PALUXY	3320.02*	.1	.3
LOWER PALUXY	3315.04*	.1	.3
LOWER PALUXY	3310.06*	.1	.3
LOWER PALUXY	3305.08*	.1	.3
LOWER PALUXY	3300.10*	.1	.3
LOWER PALUXY	3295.12*	.1	.3
LOWER PALUXY	3290.14*	.1	.3
LOWER PALUXY	3285.16*	.1	.3
LOWER PALUXY	3280.17*	.1	.3
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LOWER PALUXY	3230.37*	.1	.3
LOWER PALUXY	3225.39*	.1	.3
LOWER PALUXY	3220.41*	.1	.3
LOWER PALUXY	3215.43*	.1	.3
LOWER PALUXY	3210.45*	.1	.3
LOWER PALUXY	3205.47*	.1	.3
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LOWER PALUXY	3180.56*	.1	.3
LOWER PALUXY	3175.58*	.1	.3
LOWER PALUXY	3170.60*	.1	.3
LOWER PALUXY	3165.62*	.1	.3
LOWER PALUXY	3160.64*	.1	.3
LOWER PALUXY	3155.66*	.1	.3
LOWER PALUXY	3150.68*	.1	.3
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LOWER PALUXY	3135.74*	.1	.3
LOWER PALUXY	3130.76*	.1	.3
LOWER PALUXY	3125.78*	.1	.3
LOWER PALUXY	3120.80*	.1	.3
LOWER PALUXY	3115.82*	.1	.3
LOWER PALUXY	3110.84*	.1	.3
LOWER PALUXY	3105.86*	.1	.3
LOWER PALUXY	3100.88*	.1	.3
LOWER PALUXY	3095.9*	.1	.3
LOWER PALUXY	3090.91*	.1	.3
LOWER PALUXY	3085.93*	.1	.3
LOWER PALUXY	3080.95*	.1	.3
LOWER PALUXY	3075.97*	.1	.3
LOWER PALUXY	3070.99*	.1	.3
LOWER PALUXY	3066.01*	.1	.3
LOWER PALUXY	3061.03*	.1	.3
LOWER PALUXY	3056.05*	.1	.3
LOWER PALUXY	3051.07*	.1	.3
LOWER PALUXY	3046.09*	.1	.3
LOWER PALUXY	3041.11*	.1	.3
LOWER PALUXY	3036.13*	.1	.3
LOWER PALUXY	3031.15*	.1	.3
LOWER PALUXY	3026.17*	.1	.3
LOWER PALUXY	3021.19*	.1	.3
LOWER PALUXY	3016.21*	.1	.3
LOWER PALUXY	3011.23*	.1	.3
LOWER PALUXY	3006.25*	.1	.3
LOWER PALUXY	3001.27*	.1	.3
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LOWER PALUXY	2986.32*	.1	.3
LOWER PALUXY	2981.34*	.1	.3
LOWER PALUXY	2976.36*	.1	.3
LOWER PALUXY	2971.38*	.1	.3
LOWER PALUXY	2966.40*	.1	.3
LOWER PALUXY	2961.42*	.1	.3
LOWER PALUXY	2956.44*	.1	.3
LOWER PALUXY	2951.46*	.1	.3
LOWER PALUXY	2946.48*	.1	.3
LOWER PALUXY	2941.50*	.1	.3
LOWER PALUXY	2936.52*	.1	.3
LOWER PALUXY	2931.54*	.1	.3
LOWER PALUXY	2926.56*	.1	.3
LOWER PALUXY	2921.58*	.1	.3
LOWER PALUXY	2916.6*	.1	.3
LOWER PALUXY	2911.62*	.1	.3
LOWER PALUXY	2906.63*	.1	.3
LOWER PALUXY	2901.65*	.1	.3
LOWER PALUXY	2896.67*	.1	.3
LOWER PALUXY	2891.69*	.1	.3
LOWER PALUXY	2886.71*	.1	.3
LOWER PALUXY	2881.73*	.1	.3
LOWER PALUXY	2876.75*	.1	.3
LOWER PALUXY	2871.77*	.1	.3
LOWER PALUXY	2866.79*	.1	.3
LOWER PALUXY	2861.81*	.1	.3
LOWER PALUXY	2856.83*	.1	.3
LOWER PALUXY	2851.85*	.1	.3
LOWER PALUXY	2846.87*	.1	.3
LOWER PALUXY	2841.89*	.1	.3
LOWER PALUXY	2836.91*	.1	.3
LOWER PALUXY	2831.93*	.1	.3
LOWER PALUXY	2826.95*	.1	.3
LOWER PALUXY	2821.97*	.1	.3
LOWER PALUXY	2816.99*	.1	.3
LOWER PALUXY	2812.00*	.1	.3

LOWER PALUXY	2807.02*	.1	.3
LOWER PALUXY	2802.04*	.1	.3
LOWER PALUXY	2797.06*	.1	.3
LOWER PALUXY	2792.08*	.1	.3
LOWER PALUXY	2787.10*	.1	.3
LOWER PALUXY	2782.12*	.1	.3
LOWER PALUXY	2777.14*	.1	.3
LOWER PALUXY	2772.16*	.1	.3
LOWER PALUXY	2767.18*	.1	.3
LOWER PALUXY	2762.20*	.1	.3
LOWER PALUXY	2757.22*	.1	.3
LOWER PALUXY	2752.24*	.1	.3
LOWER PALUXY	2747.26*	.1	.3
LOWER PALUXY	2742.28*	.1	.3
LOWER PALUXY	2737.30*	.1	.3
LOWER PALUXY	2732.32*	.1	.3
LOWER PALUXY	2727.34*	.1	.3
LOWER PALUXY	2722.36*	.1	.3
LOWER PALUXY	2717.37*	.1	.3
LOWER PALUXY	2712.39*	.1	.3
LOWER PALUXY	2707.41*	.1	.3
LOWER PALUXY	2702.43*	.1	.3
LOWER PALUXY	2697.45*	.1	.3
LOWER PALUXY	2692.47*	.1	.3
LOWER PALUXY	2687.49*	.1	.3
LOWER PALUXY	2682.51*	.1	.3
LOWER PALUXY	2677.53*	.1	.3
LOWER PALUXY	2672.55*	.1	.3
LOWER PALUXY	2667.57*	.1	.3
LOWER PALUXY	2662.59*	.1	.3
LOWER PALUXY	2657.61*	.1	.3
LOWER PALUXY	2652.63*	.1	.3
LOWER PALUXY	2647.65*	.1	.3
LOWER PALUXY	2642.67*	.1	.3
LOWER PALUXY	2637.69*	.1	.3
LOWER PALUXY	2632.71*	.1	.3
LOWER PALUXY	2627.72*	.1	.3
LOWER PALUXY	2622.74*	.1	.3
LOWER PALUXY	2617.76*	.1	.3
LOWER PALUXY	2612.78*	.1	.3
LOWER PALUXY	2607.80*	.1	.3
LOWER PALUXY	2602.82*	.1	.3
LOWER PALUXY	2597.84*	.1	.3
LOWER PALUXY	2592.86*	.1	.3
LOWER PALUXY	2587.88*	.1	.3
LOWER PALUXY	2582.90*	.1	.3
LOWER PALUXY	2577.92*	.1	.3
LOWER PALUXY	2572.94*	.1	.3
LOWER PALUXY	2567.96*	.1	.3
LOWER PALUXY	2562.98*	.1	.3
LOWER PALUXY	2558	.1	.3
LOWER PALUXY	924	.1	.3
LOWER PALUXY	923.5*	.1	.3
LOWER PALUXY	923.*	.1	.3
LOWER PALUXY	922.5*	.1	.3
LOWER PALUXY	922.*	.1	.3
LOWER PALUXY	921.5*	.1	.3
LOWER PALUXY	921.*	.1	.3
LOWER PALUXY	920.5*	.1	.3
LOWER PALUXY	920.*	.1	.3
LOWER PALUXY	919.5*	.1	.3
LOWER PALUXY	919.*	.1	.3
LOWER PALUXY	918.5*	.1	.3
LOWER PALUXY	918.*	.1	.3
LOWER PALUXY	917.5*	.1	.3
LOWER PALUXY	917.*	.1	.3
LOWER PALUXY	916.5*	.1	.3
LOWER PALUXY	916.*	.1	.3
LOWER PALUXY	915.5*	.1	.3
LOWER PALUXY	915.*	.1	.3
LOWER PALUXY	914.5*	.1	.3
LOWER PALUXY	914.*	.1	.3
LOWER PALUXY	913.5*	.1	.3
LOWER PALUXY	913.*	.1	.3
LOWER PALUXY	912.5*	.1	.3
LOWER PALUXY	912.*	.1	.3
LOWER PALUXY	911.5*	.1	.3
LOWER PALUXY	911.*	.1	.3
LOWER PALUXY	910.5*	.1	.3
LOWER PALUXY	910.*	.1	.3
LOWER PALUXY	909.5*	.1	.3
LOWER PALUXY	909.*	.1	.3
LOWER PALUXY	908.5*	.1	.3
LOWER PALUXY	908.*	.1	.3
LOWER PALUXY	907.5*	.1	.3
LOWER PALUXY	907.*	.1	.3
LOWER PALUXY	906.5*	.1	.3
LOWER PALUXY	906.*	.1	.3
LOWER PALUXY	905.5*	.1	.3
LOWER PALUXY	905.*	.1	.3
LOWER PALUXY	904.5*	.1	.3
LOWER PALUXY	904.*	.1	.3
LOWER PALUXY	903.5*	.1	.3
LOWER PALUXY	903.*	.1	.3
LOWER PALUXY	902.5*	.1	.3
LOWER PALUXY	902.*	.1	.3
LOWER PALUXY	901.5*	.1	.3
LOWER PALUXY	901.*	.1	.3
LOWER PALUXY	900.5*	.1	.3
LOWER PALUXY	900.*	.1	.3
LOWER PALUXY	899.5*	.1	.3
LOWER PALUXY	899.*	.1	.3
LOWER PALUXY	898.5*	.1	.3
LOWER PALUXY	898.*	.1	.3
LOWER PALUXY	897.5*	.1	.3
LOWER PALUXY	897.*	.1	.3
LOWER PALUXY	896.5*	.1	.3
LOWER PALUXY	896.*	.1	.3
LOWER PALUXY	895.5*	.1	.3
LOWER PALUXY	895.*	.1	.3
LOWER PALUXY	894.5*	.1	.3
LOWER PALUXY	894.*	.1	.3
LOWER PALUXY	893.5*	.1	.3
LOWER PALUXY	893.*	.1	.3

LOWER PALUXY	892.5*	.1	.3
LOWER PALUXY	892.*	.1	.3
LOWER PALUXY	891.5*	.1	.3
LOWER PALUXY	891.*	.1	.3
LOWER PALUXY	890.5*	.1	.3
LOWER PALUXY	890.*	.1	.3
LOWER PALUXY	889.5*	.1	.3
LOWER PALUXY	889.*	.1	.3
LOWER PALUXY	888.5*	.1	.3
LOWER PALUXY	888.*	.1	.3
LOWER PALUXY	887.5*	.1	.3
LOWER PALUXY	887.*	.1	.3
LOWER PALUXY	886.5*	.1	.3
LOWER PALUXY	886.*	.1	.3
LOWER PALUXY	885.5*	.1	.3
LOWER PALUXY	885.*	.1	.3
LOWER PALUXY	884.5*	.1	.3
LOWER PALUXY	884.*	.1	.3
LOWER PALUXY	883.5*	.1	.3
LOWER PALUXY	883.*	.1	.3
LOWER PALUXY	882.5*	.1	.3
LOWER PALUXY	882.*	.1	.3
LOWER PALUXY	881.5*	.1	.3
LOWER PALUXY	881.*	.1	.3
LOWER PALUXY	880.5*	.1	.3
LOWER PALUXY	880.*	.1	.3
LOWER PALUXY	879.5*	.1	.3
LOWER PALUXY	879.*	.1	.3
LOWER PALUXY	878.5*	.1	.3
LOWER PALUXY	878.*	.1	.3
LOWER PALUXY	877.5*	.1	.3
LOWER PALUXY	877.*	.1	.3
LOWER PALUXY	876.5*	.1	.3
LOWER PALUXY	876.*	.1	.3
LOWER PALUXY	875.5*	.1	.3
LOWER PALUXY	875.*	.1	.3
LOWER PALUXY	874.5*	.1	.3
LOWER PALUXY	874	.1	.3

River: SQUAW CREEK

Reach	River Sta.	Contr.	Expan.
SC	24757	.1	.3
SC	24756.*	.1	.3
SC	24755.*	.1	.3
SC	24754.*	.1	.3
SC	24753.*	.1	.3
SC	24752.*	.1	.3
SC	24751.*	.1	.3
SC	24750.*	.1	.3
SC	24749.*	.1	.3
SC	24748.*	.1	.3
SC	24747	.1	.3
SC	24722.5*	.1	.3
SC	24698.*	.1	.3
SC	24673.5*	.1	.3
SC	24649.*	.1	.3
SC	24624.5*	.1	.3
SC	24600	.1	.3
SC	24576.2*	.1	.3
SC	24552.4*	.1	.3
SC	24528.6*	.1	.3
SC	24504.9*	.1	.3
SC	24481.1*	.1	.3
SC	24457.3*	.1	.3
SC	24433.6*	.1	.3
SC	24409.8*	.1	.3
SC	24386.0*	.1	.3
SC	24362.3*	.1	.3
SC	24338.5*	.1	.3
SC	24314.7*	.1	.3
SC	24291	.1	.3
SC	23906	.1	.3
SC	23793.3*	.1	.3
SC	23680.6*	.1	.3
SC	23568	.1	.3
SC	23437.*	.1	.3
SC	23306.*	.1	.3
SC	23175.*	.1	.3
SC	23044	.1	.3
SC	22997.6*	.1	.3
SC	22951.3*	.1	.3
SC	22905.0*	.1	.3
SC	22858.7*	.1	.3
SC	22812.4*	.1	.3
SC	22766.1*	.1	.3
SC	22719.8*	.1	.3
SC	22673.5*	.1	.3
SC	22627.2*	.1	.3
SC	22580.9*	.1	.3
SC	22534.6*	.1	.3
SC	22488.3*	.1	.3
SC	22442	.1	.3
SC	21993	.1	.3
SC	21307	.1	.3
SC	21209.5*	.1	.3
SC	21112.*	.1	.3
SC	21014.5*	.1	.3
SC	20917.*	.1	.3
SC	20819.5*	.1	.3
SC	20722.*	.1	.3
SC	20624.5*	.1	.3
SC	20527.*	.1	.3
SC	20429.5*	.1	.3
SC	20332.*	.1	.3
SC	20234.5*	.1	.3
SC	20137	.1	.3
SC	19802	.1	.3
SC	19213	.1	.3
SC	18923	.1	.3
SC	18864	.1	.3
SC	18691.3*	.1	.3

SC	18518.6*	.1	.3
SC	18346	.1	.3
SC	17925	.1	.3
SC	17511	.1	.3
SC	17070	.1	.3
SC	16659	.1	.3
SC	16167	.1	.3
SC	15599	.1	.3
SC	14801	.1	.3
SC	14323	.1	.3
SC	13921	.1	.3
SC	13504	.1	.3
SC	13054	.1	.3
SC	12713	.1	.3
SC	12301	.1	.3
SC	11565	.1	.3
SC	11411	.1	.3
SC	11002	.1	.3
SC	10578	.1	.3
SC	10312	.1	.3
SC	10023	.1	.3
SC	9191	.1	.3
SC	8809	.1	.3
SC	8282	.1	.3
SC	7678	.1	.3
SC	7370	.1	.3
SC	6699	.1	.3
SC	5861	.1	.3
SC	5194	.1	.3
SC	4720	.1	.3
SC	4673.5*	.1	.3
SC	4627.*	.1	.3
SC	4580.5*	.1	.3
SC	4534.*	.1	.3
SC	4487.5*	.1	.3
SC	4441.*	.1	.3
SC	4394.5*	.1	.3
SC	4348.*	.1	.3
SC	4301.5*	.1	.3
SC	4255	.1	.3
SC	4209.5*	.1	.3
SC	4164.*	.1	.3
SC	4118.5*	.1	.3
SC	4073.*	.1	.3
SC	4027.5*	.1	.3
SC	3982.*	.1	.3
SC	3936.5*	.1	.3
SC	3891	.1	.3
SC	3443	.1	.3
SC	3300	.1	.3
SC	3057	.1	.3
SC	2930	.1	.3
SC	2688	.1	.3
SC	2449	.1	.3
SC	2196	.1	.3
SC	2171.*	.1	.3
SC	2146.*	.1	.3
SC	2121.*	.1	.3
SC	2096.*	.1	.3
SC	2071.*	.1	.3
SC	2046.*	.1	.3
SC	2021.*	.1	.3
SC	1996.*	.1	.3
SC	1971.*	.1	.3
SC	1946	.1	.3
SC	1941.04*	.1	.3
SC	1936.09*	.1	.3
SC	1931.14*	.1	.3
SC	1926.19*	.1	.3
SC	1921.24*	.1	.3
SC	1916.29*	.1	.3
SC	1911.34*	.1	.3
SC	1906.39*	.1	.3
SC	1901.44*	.1	.3
SC	1896.49*	.1	.3
SC	1891.54*	.1	.3
SC	1886.59*	.1	.3
SC	1881.64*	.1	.3
SC	1876.69*	.1	.3
SC	1871.74*	.1	.3
SC	1866.79*	.1	.3
SC	1861.83*	.1	.3
SC	1856.88*	.1	.3
SC	1851.93*	.1	.3
SC	1846.98*	.1	.3
SC	1842.03*	.1	.3
SC	1837.08*	.1	.3
SC	1832.13*	.1	.3
SC	1827.18*	.1	.3
SC	1822.23*	.1	.3
SC	1817.28*	.1	.3
SC	1812.33*	.1	.3
SC	1807.38*	.1	.3
SC	1802.43*	.1	.3
SC	1797.48*	.1	.3
SC	1792.53*	.1	.3
SC	1787.58*	.1	.3
SC	1782.63*	.1	.3
SC	1777.67*	.1	.3
SC	1772.72*	.1	.3
SC	1767.77*	.1	.3
SC	1762.82*	.1	.3
SC	1757.87*	.1	.3
SC	1752.92*	.1	.3
SC	1747.97*	.1	.3
SC	1743.02*	.1	.3
SC	1738.07*	.1	.3
SC	1733.12*	.1	.3
SC	1728.17*	.1	.3
SC	1723.22*	.1	.3
SC	1718.27*	.1	.3
SC	1713.32*	.1	.3
SC	1708.37*	.1	.3
SC	1703.42*	.1	.3

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 SC                    1698.46*        .1        .3
 SC                    1693.51*        .1        .3
 SC                    1688.56*        .1        .3
 SC                    1683.61*        .1        .3
 SC                    1678.66*        .1        .3
 SC                    1673.71*        .1        .3
 SC                    1668.76*        .1        .3
 SC                    1663.81*        .1        .3
 SC                    1658.86*        .1        .3
 SC                    1653.91*        .1        .3
 SC                    1648.96*        .1        .3
 SC                    1644.01*        .1        .3
 SC                    1639.06*        .1        .3
 SC                    1634.11*        .1        .3
 SC                    1629.16*        .1        .3
 SC                    1624.21*        .1        .3
 SC                    1619.25*        .1        .3
 SC                    1614.30*        .1        .3
 SC                    1609.35*        .1        .3
 SC                    1604.40*        .1        .3
 SC                    1599.45*        .1        .3
 SC                    1594.50*        .1        .3
 SC                    1589.55*        .1        .3
 SC                    1584.60*        .1        .3
 SC                    1579.65*        .1        .3
 SC                    1574.70*        .1        .3
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 SC                    1564.80*        .1        .3
 SC                    1559.85*        .1        .3
 SC                    1554.90*        .1        .3
 SC                    1549.95*        .1        .3
 SC                    1545            .1        .3
 SC                    1535.26*        .1        .3
 SC                    1525.52*        .1        .3
 SC                    1515.79*        .1        .3
 SC                    1506.05*        .1        .3
 SC                    1496.32*        .1        .3
 SC                    1486.58*        .1        .3
 SC                    1476.85*        .1        .3
 SC                    1467.11*        .1        .3
 SC                    1457.38*        .1        .3
 SC                    1447.64*        .1        .3
 SC                    1437.91*        .1        .3
 SC                    1428.17*        .1        .3
 SC                    1418.44*        .1        .3
 SC                    1408.70*        .1        .3
 SC                    1398.97*        .1        .3
 SC                    1389.23*        .1        .3
 SC                    1379.5*         .1        .3
 SC                    1369.76*        .1        .3
 SC                    1360.02*        .1        .3
 SC                    1350.29*        .1        .3
 SC                    1340.55*        .1        .3
 SC                    1330.82*        .1        .3
 SC                    1321.08*        .1        .3
 SC                    1311.35*        .1        .3
 SC                    1301.61*        .1        .3
 SC                    1291.88*        .1        .3
 SC                    1282.14*        .1        .3
 SC                    1272.41*        .1        .3
 SC                    1262.67*        .1        .3
 SC                    1252.94*        .1        .3
 SC                    1243.20*        .1        .3
 SC                    1233.47*        .1        .3
 SC                    1223.73*        .1        .3
 SC                    1214            .1        .3
 SC                    1211.05*        .1        .3
 SC                    1208.11*        .1        .3
 SC                    1205.17*        .1        .3
 SC                    1202.23*        .1        .3
 SC                    1199.29*        .1        .3
 SC                    1196.35*        .1        .3
 SC                    1193.41*        .1        .3
 SC                    1190.47*        .1        .3
 SC                    1187.52*        .1        .3
 SC                    1184.58*        .1        .3
 SC                    1181.64*        .1        .3
 SC                    1178.70*        .1        .3
 SC                    1175.76*        .1        .3
 SC                    1172.82*        .1        .3
 SC                    1169.88*        .1        .3
 SC                    1166.94*        .1        .3
 SC                    1164            .1        .3
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Profile Output Table - Standard Table 1

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  River          Reach          River Sta     Profile      Q Total   Min Ch El   W.S. Elev   Crit W.S.   E.G. Elev   E.G. Slope
Vel Chnl     Flow Area   Top Width   Froude # Chl
                                                              (cfs)        (ft)        (ft)        (ft)        (ft)      (ft/ft)
(ft/s)       (sq ft)        (ft)

  SQUAW CREEK   SC              24757         Max WS     100438.70      646.00      760.39                  760.39     0.000005
  0.51    251684.20     3426.13           0.01
  SQUAW CREEK   SC              24756.*       Max WS     100438.70      645.90      760.39                  760.39     0.000005
  0.51    251696.70     3426.13           0.01
  SQUAW CREEK   SC              24755.*       Max WS     100438.70      645.80      760.39                  760.39     0.000005
  0.51    251709.20     3426.13           0.01
  SQUAW CREEK   SC              24754.*       Max WS     100438.70      645.70      760.39                  760.39     0.000005
  0.51    251721.70     3426.13           0.01
  SQUAW CREEK   SC              24753.*       Max WS     100438.60      645.60      760.39                  760.39     0.000005
  0.51    251734.20     3426.13           0.01
  SQUAW CREEK   SC              24752.*       Max WS     100438.60      645.50      760.39                  760.39     0.000005
  0.51    251746.70     3426.13           0.01
  SQUAW CREEK   SC              24751.*       Max WS     100438.60      645.40      760.39                  760.39     0.000005
  0.51    251759.20     3426.13           0.01
  SQUAW CREEK   SC              24750.*       Max WS     100438.60      645.30      760.39                  760.39     0.000005
  0.51    251771.70     3426.13           0.01
  SQUAW CREEK   SC              24749.*       Max WS     100438.60      645.20      760.39                  760.39     0.000005
  0.51    251784.20     3426.13           0.01
  SQUAW CREEK   SC              24748.*       Max WS     100438.60      645.10      760.39                  760.39     0.000005
  0.51    251796.70     3426.13           0.01
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SQUAW CREEK   SC            24747        Max WS     100438.60      645.00      760.39                  760.39     0.000005
0.51    251809.20     3426.13           0.01
SQUAW CREEK   SC            24722.5*     Max WS     100438.20      644.83      760.39                  760.39     0.000005
0.51    251830.30     3426.13           0.01
SQUAW CREEK   SC            24698.*      Max WS     100437.80      644.67      760.39                  760.39     0.000005
0.51    251849.40     3426.13           0.01
SQUAW CREEK   SC            24673.5*     Max WS     100437.50      644.50      760.39                  760.39     0.000005
0.51    251870.50     3426.13           0.01
SQUAW CREEK   SC            24649.*      Max WS     100437.10      644.33      760.39                  760.39     0.000005
0.51    251891.30     3426.12           0.01
SQUAW CREEK   SC            24624.5*     Max WS     100436.70      644.17      760.39                  760.39     0.000005
0.51    251910.90     3426.12           0.01
SQUAW CREEK   SC            24600        Max WS     100436.40      644.00      760.39                  760.39     0.000005
0.51    251931.90     3426.12           0.01
SQUAW CREEK   SC            24576.2*     Max WS     100436.00      643.92      760.39                  760.39     0.000005
0.51    250350.70     3439.94           0.01
SQUAW CREEK   SC            24552.4*     Max WS     100435.60      643.85      760.39                  760.39     0.000005
0.52    248748.50     3453.78           0.01
SQUAW CREEK   SC            24528.6*     Max WS     100435.30      643.77      760.39                  760.39     0.000006
0.53    247136.60     3467.67           0.01
SQUAW CREEK   SC            24504.9*     Max WS     100434.90      643.69      760.39                  760.39     0.000006
0.54    245507.90     3481.60           0.01
SQUAW CREEK   SC            24481.1*     Max WS     100434.50      643.62      760.39                  760.39     0.000006
0.54    243864.50     3495.50           0.01
SQUAW CREEK   SC            24457.3*     Max WS     100434.10      643.54      760.39                  760.39     0.000006
0.55    242197.90     3509.35           0.01
SQUAW CREEK   SC            24433.6*     Max WS     100433.80      643.46      760.39                  760.39     0.000006
0.56    240521.70     3523.15           0.01
SQUAW CREEK   SC            24409.8*     Max WS     100433.40      643.38      760.38                  760.39     0.000006
0.57    238833.00     3536.94           0.01
SQUAW CREEK   SC            24386.0*     Max WS     100433.00      643.31      760.38                  760.39     0.000006
0.58    237123.50     3550.66           0.01
SQUAW CREEK   SC            24362.3*     Max WS     100432.60      643.23      760.38                  760.39     0.000007
0.58    235411.10     3564.32           0.01
SQUAW CREEK   SC            24338.5*     Max WS     100432.20      643.15      760.38                  760.39     0.000007
0.59    233676.40     3577.81           0.01
SQUAW CREEK   SC            24314.7*     Max WS     100431.80      643.08      760.38                  760.39     0.000007
0.60    231934.90     3591.22           0.01
SQUAW CREEK   SC            24291        Max WS     100431.40      643.00      760.38                  760.39     0.000007
0.61    230170.40     3604.48           0.01
SQUAW CREEK   SC            23906        Max WS     100424.60      642.00      760.38                  760.38     0.000006
0.55    248817.50     3821.27           0.01
SQUAW CREEK   SC            23793.3*     Max WS     100422.50      641.67      760.38                  760.38     0.000006
0.54    252671.90     3825.87           0.01
SQUAW CREEK   SC            23680.6*     Max WS     100420.40      641.33      760.38                  760.38     0.000005
0.52    257370.90     3834.77           0.01
SQUAW CREEK   SC            23568        Max WS     100418.30      641.00      760.38                  760.38     0.000005
0.50    262837.60     3847.22           0.01
SQUAW CREEK   SC            23437.*      Max WS     100415.70      640.75      760.38                  760.38     0.000003
0.40    332632.70     4641.21           0.01
SQUAW CREEK   SC            23306.*      Max WS     100412.40      640.50      760.38                  760.38     0.000002
0.34    396790.20     5456.53           0.01
SQUAW CREEK   SC            23175.*      Max WS     100408.60      640.25      760.38                  760.38     0.000002
0.30    455524.90     6321.77           0.00
SQUAW CREEK   SC            23044        Max WS     100404.30      640.00      760.38                  760.38     0.000002
0.36    327821.60     7196.14           0.01
SQUAW CREEK   SC            22997.6*     Max WS     100402.70      639.92      760.38                  760.38     0.000001
0.29    489046.50     6904.32           0.00
SQUAW CREEK   SC            22951.3*     Max WS     100401.20      639.85      760.38                  760.38     0.000002
0.30    469359.60     6610.65           0.00
SQUAW CREEK   SC            22905.0*     Max WS     100399.80      639.77      760.38                  760.38     0.000002
0.31    450156.30     6304.91           0.00
SQUAW CREEK   SC            22858.7*     Max WS     100398.40      639.69      760.38                  760.38     0.000002
0.32    431540.70     5953.70           0.01
SQUAW CREEK   SC            22812.4*     Max WS     100397.10      639.62      760.38                  760.38     0.000002
0.33    413628.90     5601.50           0.01
SQUAW CREEK   SC            22766.1*     Max WS     100395.80      639.54      760.38                  760.38     0.000002
0.34    396378.00     5265.59           0.01
SQUAW CREEK   SC            22719.8*     Max WS     100394.60      639.46      760.38                  760.38     0.000002
0.35    379538.60     5006.81           0.01
SQUAW CREEK   SC            22673.5*     Max WS     100393.50      639.38      760.38                  760.38     0.000002
0.37    362947.50     4761.67           0.01
SQUAW CREEK   SC            22627.2*     Max WS     100392.40      639.31      760.38                  760.38     0.000003
0.38    346516.70     4527.90           0.01
SQUAW CREEK   SC            22580.9*     Max WS     100391.40      639.23      760.38                  760.38     0.000003
0.40    330204.60     4303.62           0.01
SQUAW CREEK   SC            22534.6*     Max WS     100390.40      639.15      760.38                  760.38     0.000003
0.42    313956.30     4087.46           0.01
SQUAW CREEK   SC            22488.3*     Max WS     100389.40      639.08      760.38                  760.38     0.000003
0.44    297744.40     3878.40           0.01
SQUAW CREEK   SC            22442        Max WS     100388.50      639.00      760.38                  760.38     0.000004
0.47    281533.20     3675.29           0.01
SQUAW CREEK   SC            21993        Max WS     100379.70      638.00      760.38                  760.38     0.000003
0.42    307613.90     3991.25           0.01
SQUAW CREEK   SC            21307        Max WS     100363.80      635.00      760.38                  760.38     0.000002
0.34    381935.20     4755.63           0.01
SQUAW CREEK   SC            21209.5*     Max WS     100361.10      634.67      760.38                  760.38     0.000002
0.33    396747.50     4951.62           0.01
SQUAW CREEK   SC            21112.*      Max WS     100358.40      634.33      760.38                  760.38     0.000002
0.32    411657.70     5150.64           0.01
SQUAW CREEK   SC            21014.5*     Max WS     100355.70      634.00      760.38                  760.38     0.000002
0.31    426640.90     5353.04           0.00
SQUAW CREEK   SC            20917.*      Max WS     100352.80      633.67      760.38                  760.38     0.000001
0.30    441735.70     5569.31           0.00
SQUAW CREEK   SC            20819.5*     Max WS     100349.80      633.33      760.38                  760.38     0.000001
0.29    457016.60     5814.25           0.00
SQUAW CREEK   SC            20722.*      Max WS     100346.70      633.00      760.38                  760.38     0.000001
0.28    472470.80     6040.48           0.00
SQUAW CREEK   SC            20624.5*     Max WS     100343.40      632.67      760.38                  760.38     0.000001
0.27    488046.80     6263.46           0.00
SQUAW CREEK   SC            20527.*      Max WS     100340.10      632.33      760.37                  760.38     0.000001
0.26    503761.50     6484.81           0.00
SQUAW CREEK   SC            20429.5*     Max WS     100336.70      632.00      760.37                  760.38     0.000001
0.26    519583.40     6705.60           0.00
SQUAW CREEK   SC            20332.*      Max WS     100333.20      631.67      760.37                  760.38     0.000001
0.25    535552.70     6926.82           0.00
SQUAW CREEK   SC            20234.5*     Max WS     100329.50      631.33      760.37                  760.38     0.000001
0.24    551627.20     7149.15           0.00
SQUAW CREEK   SC            20137        Max WS     100325.70      631.00      760.37                  760.38     0.000002
0.31    372003.20     7373.33           0.00
SQUAW CREEK   SC            19802        Max WS     100315.40      630.00      760.37                  760.37     0.000002
0.35    359176.50     4149.97           0.01
SQUAW CREEK   SC            19213        Max WS     100302.40      629.00      760.37                  760.37     0.000002
0.34    367826.00     4110.23           0.01
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SQUAW CREEK   SC            18923        Max WS     100295.00      628.00      760.37                  760.37      0.000001
0.25    481131.10     4988.37            0.00
SQUAW CREEK   SC            18864        Max WS     100293.10      626.00      760.37                  760.37      0.000001
0.25    527209.80     5800.00            0.00
SQUAW CREEK   SC            18691.3*     Max WS     100286.30      624.00      760.37                  760.37      0.000001
0.20    669450.90     7466.67            0.00
SQUAW CREEK   SC            18518.6*     Max WS     100277.70      622.00      760.37                  760.37      0.000000
0.16    805150.60     9133.33            0.00
SQUAW CREEK   SC            18346        Max WS     100267.50      620.00      760.37                  760.37      0.000000
0.14    934281.60    10789.33            0.00
SQUAW CREEK   SC            17925        Max WS     100242.90      618.00      760.37                  760.37      0.000000
0.13    905337.80     9114.42            0.00
SQUAW CREEK   SC            17511        Max WS     100220.50      617.00      760.37                  760.37      0.000000
0.14    938429.90     9952.33            0.00
SQUAW CREEK   SC            17070        Max WS     100191.70      616.00      760.37                  760.37      0.000000
0.10   1257472.00    13328.41            0.00
SQUAW CREEK   SC            16659        Max WS     100163.30      612.00      760.37                  760.37      0.000000
0.11   1086839.00    10981.09            0.00
SQUAW CREEK   SC            16167        Max WS     100132.90      611.00      760.37                  760.37      0.000000
0.11   1097456.00    10380.15            0.00
SQUAW CREEK   SC            15599        Max WS     100097.90      610.00      760.37                  760.37      0.000000
0.10   1164244.00    10670.01            0.00
SQUAW CREEK   SC            14801        Max WS     100047.60      609.00      760.37                  760.37      0.000000
0.11   1151462.00    10794.31            0.00
SQUAW CREEK   SC            14323        Max WS     100016.30      608.00      760.37                  760.37      0.000000
0.11   1178597.00    11049.01            0.00
SQUAW CREEK   SC            13921        Max WS      99989.66      607.00      760.37                  760.37      0.000000
0.11   1153031.00    10744.98            0.00
SQUAW CREEK   SC            13504        Max WS      99962.59      606.00      760.37                  760.37      0.000000
0.11   1130840.00    10558.74            0.00
SQUAW CREEK   SC            13054        Max WS      99933.59      604.00      760.37                  760.37      0.000000
0.11   1112339.00    10558.74            0.00
SQUAW CREEK   SC            12713        Max WS      99912.28      603.00      760.37                  760.37      0.000000
0.12   1073172.00    10186.29            0.00
SQUAW CREEK   SC            12301        Max WS      99887.00      601.00      760.37                  760.37      0.000000
0.12   1089238.00    10600.00            0.00
SQUAW CREEK   SC            11565        Max WS      99839.77      600.00      760.37                  760.37      0.000000
0.11   1156533.00    11600.00            0.00
SQUAW CREEK   SC            11411        Max WS      99829.67      599.00      760.37                  760.37      0.000000
0.11   1157457.00    11600.00            0.00
SQUAW CREEK   SC            11002        Max WS      99804.81      598.00      760.37                  760.37      0.000000
0.12   1081059.00    10800.00            0.00
SQUAW CREEK   SC            10578        Max WS      99780.80      597.00      760.37                  760.37      0.000000
0.12   1123334.00    10800.00            0.00
SQUAW CREEK   SC            10312        Max WS      99765.36      596.00      760.37                  760.37      0.000000
0.11   1190267.00    11700.00            0.00
SQUAW CREEK   SC            10023        Max WS      99748.58      595.00      760.37                  760.37      0.000000
0.11   1160696.00    10400.00            0.00
SQUAW CREEK   SC            9191         Max WS      99700.82      594.00      760.37                  760.37      0.000000
0.10   1263562.00    11900.00            0.00
SQUAW CREEK   SC            8809         Max WS      99677.17      593.00      760.37                  760.37      0.000000
0.09   1445470.00    13000.00            0.00
SQUAW CREEK   SC            8282         Max WS      99642.21      592.00      760.37                  760.37      0.000000
0.08   1506794.00    13200.00            0.00
SQUAW CREEK   SC            7678         Max WS      99601.52      591.00      760.37                  760.37      0.000000
0.08   1523620.00    13000.00            0.00
SQUAW CREEK   SC            7370         Max WS      99581.36      590.00      760.37                  760.37      0.000000
0.08   1477699.00    12000.00            0.00
SQUAW CREEK   SC            6699         Max WS      99537.76      589.00      760.37                  760.37      0.000000
0.08   1573422.00    12200.00            0.00
SQUAW CREEK   SC            5861         Max WS      99479.59      588.00      760.37                  760.37      0.000000
0.07   1709541.00    13200.00            0.00
SQUAW CREEK   SC            5194         Max WS      99434.73      587.00      760.37                  760.37      0.000000
0.08   1513495.00    12000.00            0.00
SQUAW CREEK   SC            4720         Max WS      99404.42      585.00      760.37                  760.37      0.000000
0.08   1574415.00    13200.00            0.00
SQUAW CREEK   SC            4673.5*      Max WS      99401.40      584.90      760.37                  760.37      0.000000
0.08   1577338.00    13120.00            0.00
SQUAW CREEK   SC            4627.*       Max WS      99398.38      584.80      760.37                  760.37      0.000000
0.08   1579629.00    13040.00            0.00
SQUAW CREEK   SC            4580.5*      Max WS      99395.38      584.70      760.37                  760.37      0.000000
0.08   1581269.00    12960.00            0.00
SQUAW CREEK   SC            4534.*       Max WS      99392.38      584.60      760.37                  760.37      0.000000
0.08   1582267.00    12880.00            0.00
SQUAW CREEK   SC            4487.5*      Max WS      99389.37      584.50      760.37                  760.37      0.000000
0.08   1582610.00    12800.00            0.00
SQUAW CREEK   SC            4441.*       Max WS      99386.35      584.40      760.37                  760.37      0.000000
0.08   1582313.00    12720.00            0.00
SQUAW CREEK   SC            4394.5*      Max WS      99383.35      584.30      760.37                  760.37      0.000000
0.08   1581369.00    12640.00            0.00
SQUAW CREEK   SC            4348.*       Max WS      99380.36      584.20      760.37                  760.37      0.000000
0.08   1579797.00    12560.00            0.00
SQUAW CREEK   SC            4301.5*      Max WS      99377.38      584.10      760.37                  760.37      0.000000
0.08   1577568.00    12480.00            0.00
SQUAW CREEK   SC            4255         Max WS      99374.41      584.00      760.37                  760.37      0.000000
0.08   1574693.00    12400.00            0.00
SQUAW CREEK   SC            4209.5*      Max WS      99371.52      583.88      760.37                  760.37      0.000000
0.08   1572044.00    12400.00            0.00
SQUAW CREEK   SC            4164.*       Max WS      99368.66      583.75      760.37                  760.37      0.000000
0.08   1569389.00    12400.00            0.00
SQUAW CREEK   SC            4118.5*      Max WS      99365.81      583.62      760.37                  760.37      0.000000
0.08   1566708.00    12400.00            0.00
SQUAW CREEK   SC            4073.*       Max WS      99362.99      583.50      760.37                  760.37      0.000000
0.08   1564021.00    12400.00            0.00
SQUAW CREEK   SC            4027.5*      Max WS      99360.13      583.38      760.37                  760.37      0.000000
0.08   1561304.00    12400.00            0.00
SQUAW CREEK   SC            3982.*       Max WS      99357.25      583.25      760.37                  760.37      0.000000
0.08   1558585.00    12400.00            0.00
SQUAW CREEK   SC            3936.5*      Max WS      99354.38      583.12      760.37                  760.37      0.000000
0.08   1555842.00    12400.00            0.00
SQUAW CREEK   SC            3891         Max WS      99351.54      583.00      760.37                  760.37      0.000000
0.08   1553092.00    12400.00            0.00
SQUAW CREEK   SC            3443         Max WS      99322.71      582.00      760.37                  760.37      0.000000
0.07   1649736.00    13200.00            0.00
SQUAW CREEK   SC            3300         Max WS      99313.20      580.00      760.37                  760.37      0.000000
0.07   1638286.00    13200.00            0.00
SQUAW CREEK   SC            3057         Max WS      99296.96      579.00      760.37                  760.37      0.000000
0.07   1683285.00    13600.00            0.00
SQUAW CREEK   SC            2930         Max WS      99288.53      578.00      760.37                  760.37      0.000000
0.07   1681235.00    13600.00            0.00
SQUAW CREEK   SC            2688         Max WS      99272.49      577.00      760.37                  760.37      0.000000
0.07   1740107.00    14000.00            0.00
SQUAW CREEK   SC            2449         Max WS      99256.32      576.00      760.37                  760.37      0.000000
0.07   1732134.00    13600.00            0.00
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SQUAW CREEK   SC            2196          Max WS      99239.16      575.00      760.37                  760.37     0.000000
0.07   1730809.00    13600.00           0.00
SQUAW CREEK   SC            2171.*        Max WS      99237.48      574.90      760.37                  760.37     0.000000
0.07   1739171.00    13680.00           0.00
SQUAW CREEK   SC            2146.*        Max WS      99235.79      574.80      760.37                  760.37     0.000000
0.07   1747476.00    13760.00           0.00
SQUAW CREEK   SC            2121.*        Max WS      99234.11      574.70      760.37                  760.37     0.000000
0.07   1755729.00    13840.00           0.00
SQUAW CREEK   SC            2096.*        Max WS      99232.42      574.60      760.37                  760.37     0.000000
0.07   1763919.00    13920.00           0.00
SQUAW CREEK   SC            2071.*        Max WS      99230.73      574.50      760.37                  760.37     0.000000
0.07   1772061.00    14000.00           0.00
SQUAW CREEK   SC            2046.*        Max WS      99229.03      574.40      760.37                  760.37     0.000000
0.07   1780158.00    14080.00           0.00
SQUAW CREEK   SC            2021.*        Max WS      99227.30      574.30      760.37                  760.37     0.000000
0.07   1788184.00    14160.00           0.00
SQUAW CREEK   SC            1996.*        Max WS      99225.60      574.20      760.37                  760.37     0.000000
0.07   1796149.00    14240.00           0.00
SQUAW CREEK   SC            1971.*        Max WS      99223.90      574.10      760.37                  760.37     0.000000
0.07   1804071.00    14320.00           0.00
SQUAW CREEK   SC            1946          Max WS      99222.20      574.00      760.37                  760.37     0.000000
0.07   1811930.00    14400.00           0.00
SQUAW CREEK   SC            1941.04*      Max WS      99221.86      573.98      760.37                  760.37     0.000000
0.07   1812349.00    14401.23           0.00
SQUAW CREEK   SC            1936.09*      Max WS      99221.52      573.95      760.37                  760.37     0.000000
0.07   1812760.00    14402.47           0.00
SQUAW CREEK   SC            1931.14*      Max WS      99221.19      573.93      760.37                  760.37     0.000000
0.07   1813175.00    14403.70           0.00
SQUAW CREEK   SC            1926.19*      Max WS      99220.85      573.90      760.37                  760.37     0.000000
0.07   1813598.00    14404.94           0.00
SQUAW CREEK   SC            1921.24*      Max WS      99220.52      573.88      760.37                  760.37     0.000000
0.07   1814007.00    14406.17           0.00
SQUAW CREEK   SC            1916.29*      Max WS      99220.18      573.85      760.37                  760.37     0.000000
0.07   1814429.00    14407.41           0.00
SQUAW CREEK   SC            1911.34*      Max WS      99219.85      573.83      760.37                  760.37     0.000000
0.07   1814851.00    14408.64           0.00
SQUAW CREEK   SC            1906.39*      Max WS      99219.52      573.80      760.37                  760.37     0.000000
0.07   1815263.00    14409.88           0.00
SQUAW CREEK   SC            1901.44*      Max WS      99219.18      573.78      760.37                  760.37     0.000000
0.07   1815681.00    14411.11           0.00
SQUAW CREEK   SC            1896.49*      Max WS      99218.84      573.75      760.37                  760.37     0.000000
0.07   1816101.00    14412.35           0.00
SQUAW CREEK   SC            1891.54*      Max WS      99218.51      573.73      760.37                  760.37     0.000000
0.07   1816510.00    14413.58           0.00
SQUAW CREEK   SC            1886.59*      Max WS      99218.17      573.70      760.37                  760.37     0.000000
0.07   1816929.00    14414.81           0.00
SQUAW CREEK   SC            1881.64*      Max WS      99217.84      573.68      760.37                  760.37     0.000000
0.07   1817352.00    14416.05           0.00
SQUAW CREEK   SC            1876.69*      Max WS      99217.50      573.65      760.37                  760.37     0.000000
0.07   1817772.00    14417.28           0.00
SQUAW CREEK   SC            1871.74*      Max WS      99217.16      573.63      760.37                  760.37     0.000000
0.07   1818185.00    14418.52           0.00
SQUAW CREEK   SC            1866.79*      Max WS      99216.84      573.60      760.37                  760.37     0.000000
0.07   1818607.00    14419.75           0.00
SQUAW CREEK   SC            1861.83*      Max WS      99216.50      573.58      760.37                  760.37     0.000000
0.07   1819029.00    14420.99           0.00
SQUAW CREEK   SC            1856.88*      Max WS      99216.16      573.56      760.37                  760.37     0.000000
0.07   1819440.00    14422.22           0.00
SQUAW CREEK   SC            1851.93*      Max WS      99215.83      573.53      760.37                  760.37     0.000000
0.07   1819863.00    14423.46           0.00
SQUAW CREEK   SC            1846.98*      Max WS      99215.49      573.51      760.37                  760.37     0.000000
0.07   1820287.00    14424.69           0.00
SQUAW CREEK   SC            1842.03*      Max WS      99215.16      573.48      760.37                  760.37     0.000000
0.07   1820702.00    14425.93           0.00
SQUAW CREEK   SC            1837.08*      Max WS      99214.82      573.46      760.37                  760.37     0.000000
0.07   1821122.00    14427.16           0.00
SQUAW CREEK   SC            1832.13*      Max WS      99214.49      573.43      760.37                  760.37     0.000000
0.07   1821547.00    14428.40           0.00
SQUAW CREEK   SC            1827.18*      Max WS      99214.16      573.41      760.37                  760.37     0.000000
0.07   1821964.00    14429.63           0.00
SQUAW CREEK   SC            1822.23*      Max WS      99213.82      573.38      760.37                  760.37     0.000000
0.07   1822385.00    14430.86           0.00
SQUAW CREEK   SC            1817.28*      Max WS      99213.48      573.36      760.37                  760.37     0.000000
0.07   1822811.00    14432.10           0.00
SQUAW CREEK   SC            1812.33*      Max WS      99213.15      573.33      760.37                  760.37     0.000000
0.07   1823222.00    14433.33           0.00
SQUAW CREEK   SC            1807.38*      Max WS      99212.81      573.31      760.37                  760.37     0.000000
0.07   1823645.00    14434.57           0.00
SQUAW CREEK   SC            1802.43*      Max WS      99212.48      573.28      760.37                  760.37     0.000000
0.07   1824069.00    14435.80           0.00
SQUAW CREEK   SC            1797.48*      Max WS      99212.15      573.26      760.37                  760.37     0.000000
0.07   1824481.00    14437.04           0.00
SQUAW CREEK   SC            1792.53*      Max WS      99211.81      573.23      760.37                  760.37     0.000000
0.07   1824909.00    14438.27           0.00
SQUAW CREEK   SC            1787.58*      Max WS      99211.48      573.21      760.37                  760.37     0.000000
0.07   1825329.00    14439.51           0.00
SQUAW CREEK   SC            1782.63*      Max WS      99211.14      573.19      760.37                  760.37     0.000000
0.07   1825747.00    14440.74           0.00
SQUAW CREEK   SC            1777.67*      Max WS      99210.81      573.16      760.37                  760.37     0.000000
0.07   1826175.00    14441.98           0.00
SQUAW CREEK   SC            1772.72*      Max WS      99210.48      573.14      760.37                  760.37     0.000000
0.07   1826598.00    14443.21           0.00
SQUAW CREEK   SC            1767.77*      Max WS      99210.14      573.11      760.37                  760.37     0.000000
0.07   1827026.00    14444.44           0.00
SQUAW CREEK   SC            1762.82*      Max WS      99209.80      573.09      760.37                  760.37     0.000000
0.07   1827440.00    14445.68           0.00
SQUAW CREEK   SC            1757.87*      Max WS      99209.47      573.06      760.37                  760.37     0.000000
0.07   1827865.00    14446.91           0.00
SQUAW CREEK   SC            1752.92*      Max WS      99209.13      573.04      760.37                  760.37     0.000000
0.07   1828290.00    14448.15           0.00
SQUAW CREEK   SC            1747.97*      Max WS      99208.80      573.01      760.37                  760.37     0.000000
0.07   1828708.00    14449.38           0.00
SQUAW CREEK   SC            1743.02*      Max WS      99208.47      572.99      760.37                  760.37     0.000000
0.07   1829134.00    14450.62           0.00
SQUAW CREEK   SC            1738.07*      Max WS      99208.13      572.96      760.37                  760.37     0.000000
0.07   1829563.00    14451.85           0.00
SQUAW CREEK   SC            1733.12*      Max WS      99207.80      572.94      760.37                  760.37     0.000000
0.07   1829978.00    14453.09           0.00
SQUAW CREEK   SC            1728.17*      Max WS      99207.47      572.91      760.37                  760.37     0.000000
0.07   1830408.00    14454.32           0.00
SQUAW CREEK   SC            1723.22*      Max WS      99207.13      572.89      760.37                  760.37     0.000000
0.07   1830832.00    14455.56           0.00
SQUAW CREEK   SC            1718.27*      Max WS      99206.80      572.86      760.37                  760.37     0.000000
0.07   1831253.00    14456.79           0.00
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SQUAW CREEK   SC            1713.32*     Max WS      99206.46      572.84      760.37                  760.37     0.000000
0.07   1831681.00    14458.02            0.00
SQUAW CREEK   SC            1708.37*     Max WS      99206.13      572.81      760.37                  760.37     0.000000
0.07   1832106.00    14459.26            0.00
SQUAW CREEK   SC            1703.42*     Max WS      99205.80      572.79      760.37                  760.37     0.000000
0.07   1832525.00    14460.49            0.00
SQUAW CREEK   SC            1698.46*     Max WS      99205.46      572.77      760.37                  760.37     0.000000
0.07   1832949.00    14461.73            0.00
SQUAW CREEK   SC            1693.51*     Max WS      99205.13      572.74      760.37                  760.37     0.000000
0.07   1833378.00    14462.96            0.00
SQUAW CREEK   SC            1688.56*     Max WS      99204.80      572.72      760.37                  760.37     0.000000
0.07   1833797.00    14464.20            0.00
SQUAW CREEK   SC            1683.61*     Max WS      99204.46      572.69      760.37                  760.37     0.000000
0.07   1834230.00    14465.43            0.00
SQUAW CREEK   SC            1678.66*     Max WS      99204.13      572.67      760.37                  760.37     0.000000
0.07   1834655.00    14466.67            0.00
SQUAW CREEK   SC            1673.71*     Max WS      99203.80      572.64      760.37                  760.37     0.000000
0.07   1835074.00    14467.90            0.00
SQUAW CREEK   SC            1668.76*     Max WS      99203.47      572.62      760.37                  760.37     0.000000
0.07   1835502.00    14469.14            0.00
SQUAW CREEK   SC            1663.81*     Max WS      99203.13      572.59      760.37                  760.37     0.000000
0.07   1835934.00    14470.37            0.00
SQUAW CREEK   SC            1658.86*     Max WS      99202.80      572.57      760.37                  760.37     0.000000
0.07   1836355.00    14471.60            0.00
SQUAW CREEK   SC            1653.91*     Max WS      99202.47      572.54      760.37                  760.37     0.000000
0.07   1836786.00    14472.84            0.00
SQUAW CREEK   SC            1648.96*     Max WS      99202.14      572.52      760.37                  760.37     0.000000
0.07   1837213.00    14474.07            0.00
SQUAW CREEK   SC            1644.01*     Max WS      99201.80      572.49      760.37                  760.37     0.000000
0.07   1837646.00    14475.31            0.00
SQUAW CREEK   SC            1639.06*     Max WS      99201.48      572.47      760.37                  760.37     0.000000
0.07   1838064.00    14476.54            0.00
SQUAW CREEK   SC            1634.11*     Max WS      99201.14      572.44      760.37                  760.37     0.000000
0.07   1838497.00    14477.78            0.00
SQUAW CREEK   SC            1629.16*     Max WS      99200.81      572.42      760.37                  760.37     0.000000
0.07   1838923.00    14479.01            0.00
SQUAW CREEK   SC            1624.21*     Max WS      99200.48      572.40      760.37                  760.37     0.000000
0.07   1839346.00    14480.25            0.00
SQUAW CREEK   SC            1619.25*     Max WS      99200.15      572.37      760.37                  760.37     0.000000
0.07   1839780.00    14481.48            0.00
SQUAW CREEK   SC            1614.30*     Max WS      99199.81      572.35      760.37                  760.37     0.000000
0.07   1840203.00    14482.72            0.00
SQUAW CREEK   SC            1609.35*     Max WS      99199.48      572.32      760.37                  760.37     0.000000
0.07   1840627.00    14483.95            0.00
SQUAW CREEK   SC            1604.40*     Max WS      99199.16      572.30      760.37                  760.37     0.000000
0.07   1841058.00    14485.19            0.00
SQUAW CREEK   SC            1599.45*     Max WS      99198.82      572.27      760.37                  760.37     0.000000
0.07   1841493.00    14486.42            0.00
SQUAW CREEK   SC            1594.50*     Max WS      99198.49      572.25      760.37                  760.37     0.000000
0.07   1841916.00    14487.65            0.00
SQUAW CREEK   SC            1589.55*     Max WS      99198.16      572.22      760.37                  760.37     0.000000
0.07   1842348.00    14488.89            0.00
SQUAW CREEK   SC            1584.60*     Max WS      99197.83      572.20      760.37                  760.37     0.000000
0.07   1842776.00    14490.12            0.00
SQUAW CREEK   SC            1579.65*     Max WS      99197.50      572.17      760.37                  760.37     0.000000
0.07   1843201.00    14491.36            0.00
SQUAW CREEK   SC            1574.70*     Max WS      99197.17      572.15      760.37                  760.37     0.000000
0.07   1843633.00    14492.59            0.00
SQUAW CREEK   SC            1569.75*     Max WS      99196.84      572.12      760.37                  760.37     0.000000
0.07   1844069.00    14493.83            0.00
SQUAW CREEK   SC            1564.80*     Max WS      99196.51      572.10      760.37                  760.37     0.000000
0.07   1844491.00    14495.06            0.00
SQUAW CREEK   SC            1559.85*     Max WS      99196.18      572.07      760.37                  760.37     0.000000
0.07   1844925.00    14496.30            0.00
SQUAW CREEK   SC            1554.90*     Max WS      99195.85      572.05      760.37                  760.37     0.000000
0.07   1845357.00    14497.53            0.00
SQUAW CREEK   SC            1549.95*     Max WS      99195.52      572.02      760.37                  760.37     0.000000
0.07   1845782.00    14498.77            0.00
SQUAW CREEK   SC            1545         Max WS      99195.19      572.00      760.37                  760.37     0.000000
0.07   1846215.00    14500.00            0.00
SQUAW CREEK   SC            1535.26*     Max WS      99194.54      571.97      760.37                  760.37     0.000000
0.07   1849979.00    14529.41            0.00
SQUAW CREEK   SC            1525.52*     Max WS      99193.89      571.94      760.37                  760.37     0.000000
0.07   1853760.00    14558.82            0.00
SQUAW CREEK   SC            1515.79*     Max WS      99193.24      571.91      760.37                  760.37     0.000000
0.07   1857516.00    14588.24            0.00
SQUAW CREEK   SC            1506.05*     Max WS      99192.59      571.88      760.37                  760.37     0.000000
0.07   1861276.00    14617.65            0.00
SQUAW CREEK   SC            1496.32*     Max WS      99191.94      571.85      760.37                  760.37     0.000000
0.07   1865029.00    14647.06            0.00
SQUAW CREEK   SC            1486.58*     Max WS      99191.29      571.82      760.37                  760.37     0.000000
0.07   1868780.00    14676.47            0.00
SQUAW CREEK   SC            1476.85*     Max WS      99190.63      571.79      760.37                  760.37     0.000000
0.07   1872516.00    14705.88            0.00
SQUAW CREEK   SC            1467.11*     Max WS      99189.98      571.76      760.37                  760.37     0.000000
0.07   1876254.00    14735.29            0.00
SQUAW CREEK   SC            1457.38*     Max WS      99189.33      571.74      760.37                  760.37     0.000000
0.07   1879986.00    14764.71            0.00
SQUAW CREEK   SC            1447.64*     Max WS      99188.67      571.71      760.37                  760.37     0.000000
0.07   1883713.00    14794.12            0.00
SQUAW CREEK   SC            1437.91*     Max WS      99188.02      571.68      760.37                  760.37     0.000000
0.07   1887431.00    14823.53            0.00
SQUAW CREEK   SC            1428.17*     Max WS      99187.36      571.65      760.37                  760.37     0.000000
0.07   1891141.00    14852.94            0.00
SQUAW CREEK   SC            1418.44*     Max WS      99186.69      571.62      760.37                  760.37     0.000000
0.07   1894848.00    14882.35            0.00
SQUAW CREEK   SC            1408.70*     Max WS      99186.01      571.59      760.37                  760.37     0.000000
0.06   1898561.00    14911.76            0.00
SQUAW CREEK   SC            1398.97*     Max WS      99185.32      571.56      760.37                  760.37     0.000000
0.06   1902259.00    14941.18            0.00
SQUAW CREEK   SC            1389.23*     Max WS      99184.63      571.53      760.37                  760.37     0.000000
0.06   1905939.00    14970.59            0.00
SQUAW CREEK   SC            1379.5*      Max WS      99183.95      571.50      760.37                  760.37     0.000000
0.06   1909633.00    15000.00            0.00
SQUAW CREEK   SC            1369.76*     Max WS      99183.27      571.47      760.37                  760.37     0.000000
0.06   1913316.00    15029.41            0.00
SQUAW CREEK   SC            1360.02*     Max WS      99182.58      571.44      760.37                  760.37     0.000000
0.06   1917006.00    15058.82            0.00
SQUAW CREEK   SC            1350.29*     Max WS      99181.89      571.41      760.37                  760.37     0.000000
0.06   1920675.00    15088.24            0.00
SQUAW CREEK   SC            1340.55*     Max WS      99181.20      571.38      760.37                  760.37     0.000000
0.06   1924344.00    15117.65            0.00
SQUAW CREEK   SC            1330.82*     Max WS      99180.51      571.35      760.37                  760.37     0.000000
0.06   1927998.00    15147.06            0.00
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SQUAW CREEK   SC            1321.08*     Max WS      99179.82      571.32      760.37                  760.37     0.000000
0.06   1931651.00     15176.47            0.00
SQUAW CREEK   SC            1311.35*     Max WS      99179.13      571.29      760.37                  760.37     0.000000
0.06   1935307.00     15205.88            0.00
SQUAW CREEK   SC            1301.61*     Max WS      99178.44      571.26      760.37                  760.37     0.000000
0.06   1938954.00     15235.29            0.00
SQUAW CREEK   SC            1291.88*     Max WS      99177.75      571.24      760.37                  760.37     0.000000
0.06   1942592.00     15264.71            0.00
SQUAW CREEK   SC            1282.14*     Max WS      99177.06      571.21      760.37                  760.37     0.000000
0.06   1946235.00     15294.12            0.00
SQUAW CREEK   SC            1272.41*     Max WS      99176.37      571.18      760.37                  760.37     0.000000
0.06   1949860.00     15323.53            0.00
SQUAW CREEK   SC            1262.67*     Max WS      99175.68      571.15      760.37                  760.37     0.000000
0.06   1953492.00     15352.94            0.00
SQUAW CREEK   SC            1252.94*     Max WS      99174.98      571.12      760.37                  760.37     0.000000
0.06   1957113.00     15382.35            0.00
SQUAW CREEK   SC            1243.20*     Max WS      99174.29      571.09      760.37                  760.37     0.000000
0.06   1960722.00     15411.76            0.00
SQUAW CREEK   SC            1233.47*     Max WS      99173.60      571.06      760.37                  760.37     0.000000
0.06   1964330.00     15441.18            0.00
SQUAW CREEK   SC            1223.73*     Max WS      99172.91      571.03      760.37                  760.37     0.000000
0.06   1967939.00     15470.59            0.00
SQUAW CREEK   SC            1214         Max WS      99172.21      571.00      760.37                  760.37     0.000000
0.06   1971533.00     15500.00            0.00
SQUAW CREEK   SC            1211.05*     Max WS     106689.80      570.94      760.37                  760.37     0.000000
0.07   1971551.00     15500.00            0.00
SQUAW CREEK   SC            1208.11*     Max WS     106689.60      570.88      760.37                  760.37     0.000000
0.07   1971569.00     15500.00            0.00
SQUAW CREEK   SC            1205.17*     Max WS     106689.40      570.82      760.37                  760.37     0.000000
0.07   1971587.00     15500.00            0.00
SQUAW CREEK   SC            1202.23*     Max WS     106689.20      570.76      760.37                  760.37     0.000000
0.07   1971605.00     15500.00            0.00
SQUAW CREEK   SC            1199.29*     Max WS     106689.00      570.71      760.37                  760.37     0.000000
0.07   1971620.00     15500.00            0.00
SQUAW CREEK   SC            1196.35*     Max WS     106688.80      570.65      760.37                  760.37     0.000000
0.07   1971638.00     15500.00            0.00
SQUAW CREEK   SC            1193.41*     Max WS     106688.60      570.59      760.37                  760.37     0.000000
0.07   1971656.00     15500.00            0.00
SQUAW CREEK   SC            1190.47*     Max WS     106688.40      570.53      760.37                  760.37     0.000000
0.07   1971674.00     15500.00            0.00
SQUAW CREEK   SC            1187.52*     Max WS     106688.10      570.47      760.37                  760.37     0.000000
0.07   1971692.00     15500.00            0.00
SQUAW CREEK   SC            1184.58*     Max WS     106687.90      570.41      760.37                  760.37     0.000000
0.07   1971710.00     15500.00            0.00
SQUAW CREEK   SC            1181.64*     Max WS     106687.70      570.35      760.37                  760.37     0.000000
0.07   1971728.00     15500.00            0.00
SQUAW CREEK   SC            1178.70*     Max WS     106687.50      570.29      760.37                  760.37     0.000000
0.07   1971746.00     15500.00            0.00
SQUAW CREEK   SC            1175.76*     Max WS     106687.30      570.24      760.37                  760.37     0.000000
0.07   1971761.00     15500.00            0.00
SQUAW CREEK   SC            1172.82*     Max WS     106687.10      570.18      760.37                  760.37     0.000000
0.07   1971779.00     15500.00            0.00
SQUAW CREEK   SC            1169.88*     Max WS     106686.90      570.12      760.37                  760.37     0.000000
0.07   1971797.00     15500.00            0.00
SQUAW CREEK   SC            1166.94*     Max WS     106686.70      570.06      760.37                  760.37     0.000000
0.07   1971815.00     15500.00            0.00
SQUAW CREEK   SC            1164         Max WS     106686.50      570.00      760.37                  760.37     0.000000
0.07   1971757.00     15500.00            0.00
PALUXY        PALUXY RIVER   25092       Max WS     944429.50      612.00      762.82                  762.89     0.000103
2.74    440512.90      4400.00            0.04
PALUXY        PALUXY RIVER   22745       Max WS     944257.20      608.00      762.44                  762.51     0.000103
2.73    445611.70      4600.00            0.04
PALUXY        PALUXY RIVER   21047       Max WS     944147.80      605.00      761.74                  761.81     0.000088
2.59    483434.40      5200.00            0.04
PALUXY        PALUXY RIVER   19331       Max WS     944087.50      602.00      761.24                  761.28     0.000054
2.06    612575.40      6300.00            0.03
PALUXY        PALUXY RIVER   17277       Max WS     944050.70      595.00      761.02                  761.06     0.000058
2.15    571005.90      5600.00            0.03
PALUXY        PALUXY RIVER   15741       Max WS     944034.00      593.00      760.83                  760.88     0.000067
2.38    546938.60      5600.00            0.03
PALUXY        PALUXY RIVER   14471       Max WS     944023.90      590.00      760.72                  760.76     0.000048
2.03    587728.00      5200.00            0.03
PALUXY        PALUXY RIVER   14325.1*    Max WS     944022.60      589.71      760.71                  760.75     0.000042
1.91    624956.90      5492.86            0.03
PALUXY        PALUXY RIVER   14179.2*    Max WS     944021.10      589.43      760.71                  760.74     0.000037
1.80    663395.00      5785.71            0.02
PALUXY        PALUXY RIVER   14033.4*    Max WS     944019.40      589.14      760.70                  760.73     0.000033
1.69    703048.30      6078.57            0.02
PALUXY        PALUXY RIVER   13887.5*    Max WS     944017.50      588.86      760.70                  760.72     0.000029
1.59    743897.20      6371.43            0.02
PALUXY        PALUXY RIVER   13741.7*    Max WS     944015.30      588.57      760.69                  760.72     0.000026
1.50    785963.10      6664.29            0.02
PALUXY        PALUXY RIVER   13595.8*    Max WS     944012.90      588.29      760.69                  760.71     0.000023
1.42    829239.80      6957.14            0.02
PALUXY        PALUXY RIVER   13450       Max WS     944010.30      588.00      760.69                  760.71     0.000020
1.34    873729.90      7250.00            0.02
PALUXY        PALUXY RIVER   12129       Max WS     943979.80      583.00      760.65                  760.67     0.000015
1.15    986985.20      8075.37            0.02
PALUXY        PALUXY RIVER   11391       Max WS     943960.00      582.00      760.63                  760.65     0.000016
1.21    914358.90      6850.00            0.02
PALUXY        PALUXY RIVER   11366.1*    Max WS     943959.40      581.97      760.63                  760.65     0.000016
1.21    915005.80      6868.50            0.02
PALUXY        PALUXY RIVER   11341.3*    Max WS     943958.70      581.94      760.63                  760.65     0.000016
1.21    915670.90      6887.00            0.02
PALUXY        PALUXY RIVER   11316.4*    Max WS     943958.00      581.91      760.63                  760.65     0.000016
1.21    916351.70      6905.50            0.02
PALUXY        PALUXY RIVER   11291.6*    Max WS     943957.40      581.88      760.63                  760.65     0.000016
1.21    917050.10      6924.00            0.02
PALUXY        PALUXY RIVER   11266.8*    Max WS     943956.70      581.85      760.63                  760.65     0.000016
1.21    917769.80      6942.50            0.02
PALUXY        PALUXY RIVER   11241.9*    Max WS     943956.00      581.82      760.63                  760.65     0.000016
1.21    918506.20      6961.00            0.02
PALUXY        PALUXY RIVER   11217.1*    Max WS     943955.30      581.79      760.63                  760.65     0.000016
1.21    919263.10      6979.50            0.02
PALUXY        PALUXY RIVER   11192.2*    Max WS     943954.60      581.76      760.63                  760.64     0.000016
1.21    920026.90      6998.00            0.02
PALUXY        PALUXY RIVER   11167.4*    Max WS     943953.90      581.73      760.63                  760.64     0.000016
1.21    920820.70      7016.50            0.02
PALUXY        PALUXY RIVER   11142.6*    Max WS     943953.30      581.70      760.63                  760.64     0.000016
1.21    921627.30      7035.00            0.02
PALUXY        PALUXY RIVER   11117.7*    Max WS     943952.50      581.67      760.63                  760.64     0.000016
1.21    922451.80      7053.50            0.02
PALUXY        PALUXY RIVER   11092.9*    Max WS     943951.80      581.64      760.63                  760.64     0.000016
1.21    923292.90      7072.00            0.02
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PALUXY        PALUXY RIVER   11068.0*      Max WS     943951.10      581.61      760.62                  760.64     0.000016
1.21    924149.30     7090.50            0.02
PALUXY        PALUXY RIVER   11043.2*      Max WS     943950.40      581.58      760.62                  760.64     0.000016
1.21    925027.40     7109.00            0.02
PALUXY        PALUXY RIVER   11018.4*      Max WS     943949.60      581.55      760.62                  760.64     0.000016
1.21    925924.10     7127.50            0.02
PALUXY        PALUXY RIVER   10993.5*      Max WS     943948.90      581.52      760.62                  760.64     0.000016
1.21    926841.40     7146.00            0.02
PALUXY        PALUXY RIVER   10968.7*      Max WS     943948.20      581.49      760.62                  760.64     0.000016
1.21    927766.60     7164.50            0.02
PALUXY        PALUXY RIVER   10943.8*      Max WS     943947.40      581.46      760.62                  760.64     0.000016
1.21    928718.20     7183.00            0.02
PALUXY        PALUXY RIVER   10919.0*      Max WS     943946.70      581.43      760.62                  760.64     0.000016
1.21    929683.60     7201.50            0.02
PALUXY        PALUXY RIVER   10894.2*      Max WS     943946.00      581.40      760.62                  760.64     0.000016
1.21    930668.40     7220.00            0.02
PALUXY        PALUXY RIVER   10869.3*      Max WS     943945.30      581.37      760.62                  760.64     0.000016
1.21    931674.30     7238.50            0.02
PALUXY        PALUXY RIVER   10844.5*      Max WS     943944.50      581.34      760.62                  760.64     0.000016
1.21    932685.80     7257.00            0.02
PALUXY        PALUXY RIVER   10819.6*      Max WS     943943.80      581.31      760.62                  760.63     0.000016
1.21    933725.20     7275.50            0.02
PALUXY        PALUXY RIVER   10794.8*      Max WS     943943.00      581.28      760.62                  760.63     0.000016
1.21    934779.10     7294.00            0.02
PALUXY        PALUXY RIVER   10770.*       Max WS     943942.30      581.25      760.62                  760.63     0.000016
1.21    935852.80     7312.50            0.02
PALUXY        PALUXY RIVER   10745.1*      Max WS     943941.40      581.22      760.62                  760.63     0.000016
1.21    936948.20     7331.00            0.02
PALUXY        PALUXY RIVER   10720.3*      Max WS     943940.70      581.19      760.62                  760.63     0.000016
1.21    938055.10     7349.50            0.02
PALUXY        PALUXY RIVER   10695.4*      Max WS     943939.90      581.16      760.62                  760.63     0.000016
1.21    939178.10     7368.00            0.02
PALUXY        PALUXY RIVER   10670.6*      Max WS     943939.20      581.13      760.61                  760.63     0.000016
1.21    940322.80     7386.50            0.02
PALUXY        PALUXY RIVER   10645.8*      Max WS     943938.40      581.10      760.61                  760.63     0.000016
1.21    941486.60     7405.00            0.02
PALUXY        PALUXY RIVER   10620.9*      Max WS     943937.60      581.07      760.61                  760.63     0.000016
1.21    942669.30     7423.50            0.02
PALUXY        PALUXY RIVER   10596.1*      Max WS     943936.80      581.04      760.61                  760.63     0.000016
1.21    943862.90     7442.00            0.02
PALUXY        PALUXY RIVER   10571.2*      Max WS     943936.00      581.01      760.61                  760.63     0.000016
1.21    945077.30     7460.50            0.02
PALUXY        PALUXY RIVER   10546.4*      Max WS     943935.10      580.98      760.61                  760.63     0.000016
1.21    946310.70     7479.00            0.02
PALUXY        PALUXY RIVER   10521.6*      Max WS     943934.30      580.95      760.61                  760.63     0.000016
1.21    947564.40     7497.50            0.02
PALUXY        PALUXY RIVER   10496.7*      Max WS     943933.50      580.92      760.61                  760.63     0.000016
1.21    948833.00     7516.00            0.02
PALUXY        PALUXY RIVER   10471.9*      Max WS     943932.70      580.89      760.61                  760.63     0.000016
1.21    950113.90     7534.50            0.02
PALUXY        PALUXY RIVER   10447.0*      Max WS     943931.80      580.86      760.61                  760.62     0.000016
1.21    951419.60     7553.00            0.02
PALUXY        PALUXY RIVER   10422.2*      Max WS     943930.90      580.83      760.61                  760.62     0.000016
1.20    952745.30     7571.50            0.02
PALUXY        PALUXY RIVER   10397.4*      Max WS     943930.10      580.80      760.61                  760.62     0.000016
1.20    954082.10     7590.00            0.02
PALUXY        PALUXY RIVER   10372.5*      Max WS     943929.30      580.77      760.61                  760.62     0.000016
1.20    955436.60     7608.50            0.02
PALUXY        PALUXY RIVER   10347.7*      Max WS     943928.40      580.74      760.61                  760.62     0.000016
1.20    956809.40     7627.00            0.02
PALUXY        PALUXY RIVER   10322.8*      Max WS     943927.60      580.71      760.61                  760.62     0.000016
1.20    958209.60     7645.50            0.02
PALUXY        PALUXY RIVER   10298.0*      Max WS     943926.70      580.68      760.61                  760.62     0.000016
1.20    959617.60     7664.00            0.02
PALUXY        PALUXY RIVER   10273.2*      Max WS     943925.80      580.65      760.60                  760.62     0.000016
1.20    961047.50     7682.50            0.02
PALUXY        PALUXY RIVER   10248.3*      Max WS     943924.90      580.62      760.60                  760.62     0.000015
1.20    962493.90     7701.00            0.02
PALUXY        PALUXY RIVER   10223.5*      Max WS     943924.00      580.59      760.60                  760.62     0.000015
1.20    963959.40     7719.50            0.02
PALUXY        PALUXY RIVER   10198.6*      Max WS     943923.10      580.56      760.60                  760.62     0.000015
1.20    965444.30     7738.00            0.02
PALUXY        PALUXY RIVER   10173.8*      Max WS     943922.20      580.53      760.60                  760.62     0.000015
1.20    966944.30     7756.50            0.02
PALUXY        PALUXY RIVER   10149.*       Max WS     943921.30      580.50      760.60                  760.62     0.000015
1.20    968463.60     7775.00            0.02
PALUXY        PALUXY RIVER   10124.1*      Max WS     943920.40      580.47      760.60                  760.62     0.000015
1.19    969993.10     7793.50            0.02
PALUXY        PALUXY RIVER   10099.3*      Max WS     943919.40      580.44      760.60                  760.62     0.000015
1.19    971546.10     7812.00            0.02
PALUXY        PALUXY RIVER   10074.4*      Max WS     943918.50      580.41      760.60                  760.62     0.000015
1.19    973119.80     7830.50            0.02
PALUXY        PALUXY RIVER   10049.6*      Max WS     943917.60      580.38      760.60                  760.61     0.000015
1.19    974707.30     7849.00            0.02
PALUXY        PALUXY RIVER   10024.8*      Max WS     943916.60      580.35      760.60                  760.61     0.000015
1.19    976316.50     7867.50            0.02
PALUXY        PALUXY RIVER   9999.96*      Max WS     943915.60      580.32      760.60                  760.61     0.000015
1.19    977940.40     7886.00            0.02
PALUXY        PALUXY RIVER   9975.12*      Max WS     943914.60      580.29      760.60                  760.61     0.000015
1.19    979581.10     7904.50            0.02
PALUXY        PALUXY RIVER   9950.28*      Max WS     943913.70      580.26      760.60                  760.61     0.000015
1.19    981240.40     7923.00            0.02
PALUXY        PALUXY RIVER   9925.44*      Max WS     943912.70      580.23      760.60                  760.61     0.000015
1.18    982916.70     7941.50            0.02
PALUXY        PALUXY RIVER   9900.6*       Max WS     943911.80      580.20      760.60                  760.61     0.000015
1.18    984614.10     7960.00            0.02
PALUXY        PALUXY RIVER   9875.76*      Max WS     943910.80      580.17      760.60                  760.61     0.000015
1.18    986325.80     7978.50            0.02
PALUXY        PALUXY RIVER   9850.92*      Max WS     943909.80      580.14      760.59                  760.61     0.000015
1.18    988056.60     7997.00            0.02
PALUXY        PALUXY RIVER   9826.08*      Max WS     943908.80      580.11      760.59                  760.61     0.000015
1.18    989805.10     8015.50            0.02
PALUXY        PALUXY RIVER   9801.24*      Max WS     943907.80      580.08      760.59                  760.61     0.000015
1.18    991574.80     8034.00            0.02
PALUXY        PALUXY RIVER   9776.4*       Max WS     943906.80      580.05      760.59                  760.61     0.000015
1.18    993355.00     8052.50            0.02
PALUXY        PALUXY RIVER   9751.56*      Max WS     943905.70      580.02      760.59                  760.61     0.000015
1.17    995158.80     8071.00            0.02
PALUXY        PALUXY RIVER   9726.72*      Max WS     943904.70      579.99      760.59                  760.61     0.000015
1.17    996978.50     8089.50            0.02
PALUXY        PALUXY RIVER   9701.88*      Max WS     943903.70      579.96      760.59                  760.61     0.000015
1.17    998813.20     8108.00            0.02
PALUXY        PALUXY RIVER   9677.04*      Max WS     943902.60      579.93      760.59                  760.60     0.000015
1.17   1000672.00     8126.50            0.02
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PALUXY        PALUXY RIVER   9652.2*      Max WS     943901.60      579.90      760.59                  760.60     0.000015
1.17   1002543.00     8145.00            0.02
PALUXY        PALUXY RIVER   9627.36*     Max WS     943900.50      579.87      760.59                  760.60     0.000015
1.17   1004434.00     8163.50            0.02
PALUXY        PALUXY RIVER   9602.52*     Max WS     943899.50      579.84      760.59                  760.60     0.000015
1.17   1006344.00     8182.00            0.02
PALUXY        PALUXY RIVER   9577.68*     Max WS     943898.40      579.81      760.59                  760.60     0.000014
1.16   1008276.00     8200.50            0.02
PALUXY        PALUXY RIVER   9552.84*     Max WS     943897.30      579.78      760.59                  760.60     0.000014
1.16   1010217.00     8219.00            0.02
PALUXY        PALUXY RIVER   9528.00*     Max WS     943896.30      579.75      760.59                  760.60     0.000014
1.16   1012176.00     8237.50            0.02
PALUXY        PALUXY RIVER   9503.16*     Max WS     943895.20      579.72      760.59                  760.60     0.000014
1.16   1014150.00     8256.00            0.02
PALUXY        PALUXY RIVER   9478.32*     Max WS     943894.10      579.69      760.59                  760.60     0.000014
1.16   1016154.00     8274.50            0.02
PALUXY        PALUXY RIVER   9453.48*     Max WS     943893.10      579.66      760.59                  760.60     0.000014
1.15   1018173.00     8293.00            0.02
PALUXY        PALUXY RIVER   9428.64*     Max WS     943891.90      579.63      760.58                  760.60     0.000014
1.15   1020203.00     8311.50            0.02
PALUXY        PALUXY RIVER   9403.80*     Max WS     943890.90      579.60      760.58                  760.60     0.000014
1.15   1022252.00     8330.00            0.02
PALUXY        PALUXY RIVER   9378.96*     Max WS     943889.80      579.57      760.58                  760.60     0.000014
1.15   1024321.00     8348.50            0.02
PALUXY        PALUXY RIVER   9354.12*     Max WS     943888.70      579.54      760.58                  760.60     0.000014
1.15   1026411.00     8367.00            0.02
PALUXY        PALUXY RIVER   9329.28*     Max WS     943887.60      579.51      760.58                  760.60     0.000014
1.15   1028518.00     8385.50            0.02
PALUXY        PALUXY RIVER   9304.44*     Max WS     943886.40      579.48      760.58                  760.60     0.000014
1.14   1030639.00     8404.00            0.02
PALUXY        PALUXY RIVER   9279.60*     Max WS     943885.30      579.45      760.58                  760.59     0.000014
1.14   1032776.00     8422.50            0.02
PALUXY        PALUXY RIVER   9254.76*     Max WS     943884.10      579.42      760.58                  760.59     0.000014
1.14   1034934.00     8441.00            0.02
PALUXY        PALUXY RIVER   9229.92*     Max WS     943883.00      579.39      760.58                  760.59     0.000014
1.14   1037113.00     8459.50            0.02
PALUXY        PALUXY RIVER   9205.08*     Max WS     943881.90      579.36      760.58                  760.59     0.000014
1.14   1039304.00     8478.00            0.02
PALUXY        PALUXY RIVER   9180.24*     Max WS     943880.70      579.33      760.58                  760.59     0.000014
1.13   1041519.00     8496.50            0.02
PALUXY        PALUXY RIVER   9155.4*      Max WS     943879.60      579.30      760.58                  760.59     0.000014
1.13   1043748.00     8515.00            0.02
PALUXY        PALUXY RIVER   9130.56*     Max WS     943878.40      579.27      760.58                  760.59     0.000014
1.13   1045992.00     8533.50            0.02
PALUXY        PALUXY RIVER   9105.72*     Max WS     943877.30      579.24      760.58                  760.59     0.000013
1.13   1048255.00     8552.00            0.02
PALUXY        PALUXY RIVER   9080.88*     Max WS     943876.10      579.21      760.58                  760.59     0.000013
1.12   1050534.00     8570.50            0.01
PALUXY        PALUXY RIVER   9056.04*     Max WS     943874.90      579.18      760.58                  760.59     0.000013
1.12   1052836.00     8589.00            0.01
PALUXY        PALUXY RIVER   9031.2*      Max WS     943873.70      579.15      760.58                  760.59     0.000013
1.12   1055155.00     8607.50            0.01
PALUXY        PALUXY RIVER   9006.35*     Max WS     943872.50      579.12      760.58                  760.59     0.000013
1.12   1057490.00     8626.00            0.01
PALUXY        PALUXY RIVER   8981.52*     Max WS     943871.30      579.09      760.57                  760.59     0.000013
1.12   1059843.00     8644.50            0.01
PALUXY        PALUXY RIVER   8956.68*     Max WS     943870.10      579.06      760.57                  760.59     0.000013
1.11   1062217.00     8663.00            0.01
PALUXY        PALUXY RIVER   8931.84*     Max WS     943868.90      579.03      760.57                  760.59     0.000013
1.11   1064603.00     8681.50            0.01
PALUXY        PALUXY RIVER   8907         Max WS     943867.70      579.00      760.57                  760.59     0.000013
1.11   1067011.00     8700.00            0.01
PALUXY        PALUXY RIVER   8861.14*     Max WS     943865.50      578.81      760.57                  760.58     0.000013
1.11   1063182.00     8650.00            0.01
PALUXY        PALUXY RIVER   8815.28*     Max WS     943863.30      578.62      760.57                  760.58     0.000013
1.12   1059423.00     8600.00            0.01
PALUXY        PALUXY RIVER   8769.42*     Max WS     943861.00      578.43      760.57                  760.58     0.000013
1.12   1055748.00     8550.00            0.01
PALUXY        PALUXY RIVER   8723.57*     Max WS     943858.80      578.24      760.57                  760.58     0.000013
1.12   1052147.00     8500.00            0.01
PALUXY        PALUXY RIVER   8677.71*     Max WS     943856.60      578.05      760.57                  760.58     0.000013
1.13   1048630.00     8450.00            0.01
PALUXY        PALUXY RIVER   8631.85*     Max WS     943854.40      577.86      760.57                  760.58     0.000013
1.13   1045193.00     8400.00            0.02
PALUXY        PALUXY RIVER   8586.*       Max WS     943852.30      577.67      760.56                  760.58     0.000013
1.13   1041834.00     8350.00            0.02
PALUXY        PALUXY RIVER   8540.14*     Max WS     943850.10      577.48      760.56                  760.58     0.000014
1.14   1038549.00     8300.00            0.02
PALUXY        PALUXY RIVER   8494.28*     Max WS     943847.90      577.29      760.56                  760.57     0.000014
1.14   1035339.00     8250.00            0.02
PALUXY        PALUXY RIVER   8448.42*     Max WS     943845.80      577.10      760.56                  760.57     0.000014
1.14   1032207.00     8200.00            0.02
PALUXY        PALUXY RIVER   8402.57*     Max WS     943843.70      576.90      760.56                  760.57     0.000014
1.14   1029171.00     8150.00            0.02
PALUXY        PALUXY RIVER   8356.71*     Max WS     943841.50      576.71      760.56                  760.57     0.000014
1.14   1026193.00     8100.00            0.02
PALUXY        PALUXY RIVER   8310.85*     Max WS     943839.40      576.52      760.56                  760.57     0.000014
1.14   1023300.00     8050.00            0.02
PALUXY        PALUXY RIVER   8265.*       Max WS     943837.30      576.33      760.56                  760.57     0.000014
1.15   1020484.00     8000.00            0.02
PALUXY        PALUXY RIVER   8219.14*     Max WS     943835.20      576.14      760.55                  760.57     0.000014
1.15   1017751.00     7950.00            0.02
PALUXY        PALUXY RIVER   8173.28*     Max WS     943833.10      575.95      760.55                  760.57     0.000014
1.15   1015094.00     7900.00            0.02
PALUXY        PALUXY RIVER   8127.42*     Max WS     943831.10      575.76      760.55                  760.56     0.000014
1.15   1012514.00     7850.00            0.02
PALUXY        PALUXY RIVER   8081.57*     Max WS     943829.00      575.57      760.55                  760.56     0.000014
1.15   1010007.00     7800.00            0.02
PALUXY        PALUXY RIVER   8035.71*     Max WS     943827.00      575.38      760.55                  760.56     0.000014
1.15   1007589.00     7750.00            0.02
PALUXY        PALUXY RIVER   7989.85*     Max WS     943825.00      575.19      760.55                  760.56     0.000014
1.15   1005238.00     7700.00            0.02
PALUXY        PALUXY RIVER   7944         Max WS     943823.00      575.00      760.55                  760.56     0.000014
1.15   1002973.00     7650.00            0.02
PALUXY        PALUXY RIVER   7886.4*      Max WS     943820.60      574.87      760.54                  760.56     0.000014
1.17    984286.30     7490.00            0.02
PALUXY        PALUXY RIVER   7828.8*      Max WS     943818.20      574.73      760.54                  760.56     0.000015
1.19    965381.10     7330.00            0.02
PALUXY        PALUXY RIVER   7771.2*      Max WS     943815.80      574.60      760.54                  760.55     0.000015
1.21    946268.80     7170.00            0.02
PALUXY        PALUXY RIVER   7713.6*      Max WS     943813.50      574.47      760.54                  760.55     0.000016
1.23    926931.70     7010.00            0.02
PALUXY        PALUXY RIVER   7656.*       Max WS     943811.30      574.33      760.53                  760.55     0.000016
1.26    907382.20     6850.00            0.02
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PALUXY        PALUXY RIVER   7598.4*       Max WS     943809.10      574.20      760.53                  760.55      0.000017
1.28    887620.00     6690.00            0.02
PALUXY        PALUXY RIVER   7540.8*       Max WS     943807.00      574.07      760.53                  760.55      0.000018
1.31    867641.10     6530.00            0.02
PALUXY        PALUXY RIVER   7483.2*       Max WS     943804.90      573.93      760.53                  760.55      0.000019
1.34    847448.20     6370.00            0.02
PALUXY        PALUXY RIVER   7425.6*       Max WS     943802.80      573.80      760.52                  760.54      0.000020
1.37    827038.70     6210.00            0.02
PALUXY        PALUXY RIVER   7368.*        Max WS     943800.90      573.67      760.52                  760.54      0.000021
1.41    806415.30     6050.00            0.02
PALUXY        PALUXY RIVER   7310.4*       Max WS     943799.00      573.53      760.51                  760.54      0.000022
1.44    785573.80     5890.00            0.02
PALUXY        PALUXY RIVER   7252.8*       Max WS     943797.30      573.40      760.51                  760.54      0.000023
1.48    764516.60     5730.00            0.02
PALUXY        PALUXY RIVER   7195.2*       Max WS     943795.40      573.27      760.51                  760.53      0.000024
1.52    743245.80     5570.00            0.02
PALUXY        PALUXY RIVER   7137.6*       Max WS     943793.80      573.13      760.50                  760.53      0.000025
1.56    721760.80     5410.00            0.02
PALUXY        PALUXY RIVER   7080          Max WS     943792.20      573.00      760.50                  760.53      0.000027
1.61    700055.40     5250.00            0.02
PALUXY        PALUXY RIVER   7065.01*      Max WS     943791.80      572.98      760.50                  760.53      0.000027
1.61    699397.10     5243.94            0.02
PALUXY        PALUXY RIVER   7050.03*      Max WS     943791.40      572.97      760.49                  760.52      0.000027
1.61    698746.10     5237.88            0.02
PALUXY        PALUXY RIVER   7035.04*      Max WS     943790.90      572.95      760.49                  760.52      0.000027
1.62    698095.60     5231.82            0.02
PALUXY        PALUXY RIVER   7020.06*      Max WS     943790.60      572.94      760.49                  760.52      0.000027
1.62    697441.30     5225.76            0.02
PALUXY        PALUXY RIVER   7005.07*      Max WS     943790.10      572.92      760.49                  760.52      0.000027
1.62    696793.60     5219.70            0.02
PALUXY        PALUXY RIVER   6990.09*      Max WS     943789.80      572.91      760.49                  760.52      0.000027
1.62    696139.80     5213.64            0.02
PALUXY        PALUXY RIVER   6975.10*      Max WS     943789.40      572.89      760.49                  760.52      0.000027
1.62    695490.00     5207.58            0.02
PALUXY        PALUXY RIVER   6960.12*      Max WS     943788.90      572.88      760.49                  760.52      0.000027
1.62    694848.60     5201.52            0.02
PALUXY        PALUXY RIVER   6945.13*      Max WS     943788.60      572.86      760.49                  760.52      0.000027
1.63    694209.10     5195.45            0.02
PALUXY        PALUXY RIVER   6930.15*      Max WS     943788.10      572.85      760.49                  760.52      0.000027
1.63    693562.80     5189.39            0.02
PALUXY        PALUXY RIVER   6915.16*      Max WS     943787.80      572.83      760.49                  760.52      0.000028
1.63    692931.90     5183.33            0.02
PALUXY        PALUXY RIVER   6900.18*      Max WS     943787.40      572.82      760.49                  760.52      0.000028
1.63    692288.00     5177.27            0.02
PALUXY        PALUXY RIVER   6885.19*      Max WS     943786.90      572.80      760.49                  760.52      0.000028
1.63    691648.80     5171.21            0.02
PALUXY        PALUXY RIVER   6870.21*      Max WS     943786.60      572.79      760.48                  760.51      0.000028
1.64    691022.40     5165.15            0.02
PALUXY        PALUXY RIVER   6855.22*      Max WS     943786.10      572.77      760.48                  760.51      0.000028
1.64    690388.40     5159.09            0.02
PALUXY        PALUXY RIVER   6840.24*      Max WS     943785.80      572.76      760.48                  760.51      0.000028
1.64    689753.80     5153.03            0.02
PALUXY        PALUXY RIVER   6825.25*      Max WS     943785.40      572.74      760.48                  760.51      0.000028
1.64    689127.80     5146.97            0.02
PALUXY        PALUXY RIVER   6810.27*      Max WS     943784.90      572.73      760.48                  760.51      0.000028
1.64    688494.00     5140.91            0.02
PALUXY        PALUXY RIVER   6795.28*      Max WS     943784.60      572.71      760.48                  760.51      0.000028
1.64    687869.80     5134.85            0.02
PALUXY        PALUXY RIVER   6780.30*      Max WS     943784.20      572.70      760.48                  760.51      0.000028
1.65    687254.40     5128.79            0.02
PALUXY        PALUXY RIVER   6765.31*      Max WS     943783.80      572.68      760.48                  760.51      0.000028
1.65    686625.60     5122.73            0.02
PALUXY        PALUXY RIVER   6750.33*      Max WS     943783.40      572.67      760.48                  760.51      0.000028
1.65    686005.90     5116.67            0.02
PALUXY        PALUXY RIVER   6735.34*      Max WS     943783.00      572.65      760.48                  760.51      0.000028
1.65    685390.20     5110.61            0.02
PALUXY        PALUXY RIVER   6720.36*      Max WS     943782.60      572.64      760.48                  760.51      0.000028
1.65    684763.90     5104.55            0.02
PALUXY        PALUXY RIVER   6705.37*      Max WS     943782.30      572.62      760.47                  760.51      0.000028
1.66    684149.00     5098.48            0.02
PALUXY        PALUXY RIVER   6690.39*      Max WS     943781.90      572.61      760.47                  760.50      0.000028
1.66    683544.90     5092.42            0.02
PALUXY        PALUXY RIVER   6675.40*      Max WS     943781.40      572.59      760.47                  760.50      0.000028
1.66    682929.30     5086.36            0.02
PALUXY        PALUXY RIVER   6660.42*      Max WS     943781.10      572.58      760.47                  760.50      0.000028
1.66    682309.90     5080.30            0.02
PALUXY        PALUXY RIVER   6645.43*      Max WS     943780.70      572.56      760.47                  760.50      0.000028
1.66    681711.60     5074.24            0.02
PALUXY        PALUXY RIVER   6630.45*      Max WS     943780.30      572.55      760.47                  760.50      0.000028
1.66    681095.30     5068.18            0.02
PALUXY        PALUXY RIVER   6615.47*      Max WS     943779.90      572.53      760.47                  760.50      0.000029
1.67    680496.40     5062.12            0.02
PALUXY        PALUXY RIVER   6600.48*      Max WS     943779.50      572.52      760.47                  760.50      0.000029
1.67    679892.80     5056.06            0.02
PALUXY        PALUXY RIVER   6585.5*       Max WS     943779.10      572.50      760.47                  760.50      0.000029
1.67    679289.00     5050.00            0.02
PALUXY        PALUXY RIVER   6570.51*      Max WS     943778.80      572.48      760.47                  760.50      0.000029
1.67    678687.90     5043.94            0.02
PALUXY        PALUXY RIVER   6555.53*      Max WS     943778.40      572.47      760.46                  760.50      0.000029
1.67    678089.00     5037.88            0.02
PALUXY        PALUXY RIVER   6540.54*      Max WS     943778.00      572.45      760.46                  760.49      0.000029
1.68    677495.50     5031.82            0.02
PALUXY        PALUXY RIVER   6525.56*      Max WS     943777.60      572.44      760.46                  760.49      0.000029
1.68    676898.40     5025.76            0.02
PALUXY        PALUXY RIVER   6510.57*      Max WS     943777.30      572.42      760.46                  760.49      0.000029
1.68    676314.20     5019.70            0.02
PALUXY        PALUXY RIVER   6495.59*      Max WS     943776.90      572.41      760.46                  760.49      0.000029
1.68    675710.80     5013.64            0.02
PALUXY        PALUXY RIVER   6480.60*      Max WS     943776.50      572.39      760.46                  760.49      0.000029
1.68    675118.50     5007.58            0.02
PALUXY        PALUXY RIVER   6465.62*      Max WS     943776.10      572.38      760.46                  760.49      0.000029
1.68    674533.80     5001.52            0.02
PALUXY        PALUXY RIVER   6450.63*      Max WS     943775.70      572.36      760.46                  760.49      0.000029
1.69    673954.80     4995.45            0.02
PALUXY        PALUXY RIVER   6435.65*      Max WS     943775.40      572.35      760.46                  760.49      0.000029
1.69    673356.20     4989.39            0.02
PALUXY        PALUXY RIVER   6420.66*      Max WS     943774.90      572.33      760.46                  760.49      0.000029
1.69    672778.60     4983.33            0.02
PALUXY        PALUXY RIVER   6405.68*      Max WS     943774.60      572.32      760.45                  760.49      0.000029
1.69    672199.80     4977.27            0.02
PALUXY        PALUXY RIVER   6390.69*      Max WS     943774.30      572.30      760.45                  760.49      0.000029
1.69    671612.80     4971.21            0.02
PALUXY        PALUXY RIVER   6375.71*      Max WS     943773.90      572.29      760.45                  760.48      0.000029
1.69    671043.20     4965.15            0.02
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PALUXY        PALUXY RIVER   6360.72*      Max WS     943773.50      572.27      760.45                  760.48      0.000029
1.70    670467.30     4959.09            0.02
PALUXY        PALUXY RIVER   6345.74*      Max WS     943773.10      572.26      760.45                  760.48      0.000029
1.70    669888.20     4953.03            0.02
PALUXY        PALUXY RIVER   6330.75*      Max WS     943772.80      572.24      760.45                  760.48      0.000029
1.70    669317.80     4946.97            0.02
PALUXY        PALUXY RIVER   6315.77*      Max WS     943772.40      572.23      760.45                  760.48      0.000029
1.70    668742.60     4940.91            0.02
PALUXY        PALUXY RIVER   6300.78*      Max WS     943772.00      572.21      760.45                  760.48      0.000030
1.70    668170.80     4934.85            0.02
PALUXY        PALUXY RIVER   6285.80*      Max WS     943771.60      572.20      760.45                  760.48      0.000030
1.70    667613.80     4928.79            0.02
PALUXY        PALUXY RIVER   6270.81*      Max WS     943771.30      572.18      760.45                  760.48      0.000030
1.71    667039.40     4922.73            0.02
PALUXY        PALUXY RIVER   6255.83*      Max WS     943770.90      572.17      760.44                  760.48      0.000030
1.71    666474.40     4916.67            0.02
PALUXY        PALUXY RIVER   6240.84*      Max WS     943770.50      572.15      760.44                  760.48      0.000030
1.71    665915.90     4910.61            0.02
PALUXY        PALUXY RIVER   6225.86*      Max WS     943770.10      572.14      760.44                  760.47      0.000030
1.71    665350.30     4904.55            0.02
PALUXY        PALUXY RIVER   6210.87*      Max WS     943769.80      572.12      760.44                  760.47      0.000030
1.71    664793.80     4898.49            0.02
PALUXY        PALUXY RIVER   6195.89*      Max WS     943769.40      572.11      760.44                  760.47      0.000030
1.71    664236.50     4892.42            0.02
PALUXY        PALUXY RIVER   6180.91*      Max WS     943769.00      572.09      760.44                  760.47      0.000030
1.72    663683.50     4886.36            0.02
PALUXY        PALUXY RIVER   6165.92*      Max WS     943768.70      572.08      760.44                  760.47      0.000030
1.72    663119.70     4880.30            0.02
PALUXY        PALUXY RIVER   6150.94*      Max WS     943768.30      572.06      760.44                  760.47      0.000030
1.72    662572.80     4874.24            0.02
PALUXY        PALUXY RIVER   6135.95*      Max WS     943767.90      572.05      760.44                  760.47      0.000030
1.72    662018.80     4868.18            0.02
PALUXY        PALUXY RIVER   6120.97*      Max WS     943767.60      572.03      760.43                  760.47      0.000030
1.72    661473.80     4862.12            0.02
PALUXY        PALUXY RIVER   6105.98*      Max WS     943767.20      572.02      760.43                  760.47      0.000030
1.72    660929.30     4856.06            0.02
PALUXY        PALUXY RIVER   6091.00*      Max WS     943766.90      572.00      760.43                  760.47      0.000030
1.73    660380.30     4850.00            0.02
PALUXY        PALUXY RIVER   6076.01*      Max WS     943766.50      571.98      760.43                  760.46      0.000030
1.73    659834.10     4843.94            0.02
PALUXY        PALUXY RIVER   6061.03*      Max WS     943766.10      571.97      760.43                  760.46      0.000030
1.73    659294.80     4837.88            0.02
PALUXY        PALUXY RIVER   6046.04*      Max WS     943765.80      571.95      760.43                  760.46      0.000030
1.73    658755.60     4831.82            0.02
PALUXY        PALUXY RIVER   6031.06*      Max WS     943765.40      571.94      760.43                  760.46      0.000030
1.73    658213.50     4825.76            0.02
PALUXY        PALUXY RIVER   6016.07*      Max WS     943765.10      571.92      760.43                  760.46      0.000030
1.73    657686.40     4819.70            0.02
PALUXY        PALUXY RIVER   6001.09*      Max WS     943764.70      571.91      760.43                  760.46      0.000030
1.74    657137.10     4813.64            0.02
PALUXY        PALUXY RIVER   5986.10*      Max WS     943764.30      571.89      760.42                  760.46      0.000030
1.74    656605.30     4807.58            0.02
PALUXY        PALUXY RIVER   5971.12*      Max WS     943764.00      571.88      760.42                  760.46      0.000031
1.74    656079.50     4801.52            0.02
PALUXY        PALUXY RIVER   5956.13*      Max WS     943763.60      571.86      760.42                  760.46      0.000031
1.74    655550.60     4795.46            0.02
PALUXY        PALUXY RIVER   5941.15*      Max WS     943763.30      571.85      760.42                  760.45      0.000031
1.74    655015.40     4789.39            0.02
PALUXY        PALUXY RIVER   5926.16*      Max WS     943762.90      571.83      760.42                  760.45      0.000031
1.74    654497.60     4783.33            0.02
PALUXY        PALUXY RIVER   5911.18*      Max WS     943762.60      571.82      760.42                  760.45      0.000031
1.74    653971.10     4777.27            0.02
PALUXY        PALUXY RIVER   5896.19*      Max WS     943762.20      571.80      760.42                  760.45      0.000031
1.75    653443.40     4771.21            0.02
PALUXY        PALUXY RIVER   5881.21*      Max WS     943761.80      571.79      760.42                  760.45      0.000031
1.75    652932.90     4765.15            0.02
PALUXY        PALUXY RIVER   5866.22*      Max WS     943761.50      571.77      760.42                  760.45      0.000031
1.75    652411.90     4759.09            0.02
PALUXY        PALUXY RIVER   5851.24*      Max WS     943761.10      571.76      760.42                  760.45      0.000031
1.75    651891.80     4753.03            0.02
PALUXY        PALUXY RIVER   5836.25*      Max WS     943760.80      571.74      760.42                  760.45      0.000031
1.75    651380.50     4746.97            0.02
PALUXY        PALUXY RIVER   5821.27*      Max WS     943760.40      571.73      760.41                  760.45      0.000031
1.75    650861.60     4740.91            0.02
PALUXY        PALUXY RIVER   5806.29*      Max WS     943760.10      571.71      760.41                  760.45      0.000031
1.76    650347.30     4734.85            0.02
PALUXY        PALUXY RIVER   5791.30*      Max WS     943759.70      571.70      760.41                  760.45      0.000031
1.76    649847.60     4728.79            0.02
PALUXY        PALUXY RIVER   5776.32*      Max WS     943759.40      571.68      760.41                  760.45      0.000031
1.76    649332.10     4722.73            0.02
PALUXY        PALUXY RIVER   5761.33*      Max WS     943759.00      571.67      760.41                  760.44      0.000031
1.76    648820.80     4716.67            0.02
PALUXY        PALUXY RIVER   5746.35*      Max WS     943758.70      571.65      760.41                  760.44      0.000031
1.76    648325.70     4710.61            0.02
PALUXY        PALUXY RIVER   5731.36*      Max WS     943758.30      571.64      760.41                  760.44      0.000031
1.76    647810.20     4704.55            0.02
PALUXY        PALUXY RIVER   5716.38*      Max WS     943757.90      571.62      760.41                  760.44      0.000031
1.76    647312.60     4698.49            0.02
PALUXY        PALUXY RIVER   5701.39*      Max WS     943757.60      571.61      760.41                  760.44      0.000031
1.77    646815.40     4692.42            0.02
PALUXY        PALUXY RIVER   5686.41*      Max WS     943757.30      571.59      760.41                  760.44      0.000031
1.77    646320.30     4686.36            0.02
PALUXY        PALUXY RIVER   5671.42*      Max WS     943756.90      571.58      760.40                  760.44      0.000031
1.77    645813.80     4680.30            0.02
PALUXY        PALUXY RIVER   5656.44*      Max WS     943756.60      571.56      760.40                  760.44      0.000031
1.77    645321.70     4674.24            0.02
PALUXY        PALUXY RIVER   5641.45*      Max WS     943756.20      571.55      760.40                  760.44      0.000031
1.77    644829.50     4668.18            0.02
PALUXY        PALUXY RIVER   5626.47*      Max WS     943755.90      571.53      760.40                  760.44      0.000031
1.77    644340.90     4662.12            0.02
PALUXY        PALUXY RIVER   5611.48*      Max WS     943755.50      571.52      760.40                  760.43      0.000031
1.77    643845.00     4656.06            0.02
PALUXY        PALUXY RIVER   5596.50*      Max WS     943755.20      571.50      760.40                  760.43      0.000032
1.78    643358.20     4650.00            0.02
PALUXY        PALUXY RIVER   5581.51*      Max WS     943754.80      571.48      760.40                  760.43      0.000032
1.78    642868.70     4643.94            0.02
PALUXY        PALUXY RIVER   5566.53*      Max WS     943754.50      571.47      760.40                  760.43      0.000032
1.78    642388.80     4637.88            0.02
PALUXY        PALUXY RIVER   5551.54*      Max WS     943754.10      571.45      760.40                  760.43      0.000032
1.78    641907.80     4631.82            0.02
PALUXY        PALUXY RIVER   5536.56*      Max WS     943753.80      571.44      760.40                  760.43      0.000032
1.78    641421.90     4625.76            0.02
PALUXY        PALUXY RIVER   5521.57*      Max WS     943753.40      571.42      760.39                  760.43      0.000032
1.78    640949.40     4619.70            0.02
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PALUXY        PALUXY RIVER   5506.59*      Max WS     943753.10      571.41      760.39                  760.43     0.000032
1.78    640462.20     4613.64            0.02
PALUXY        PALUXY RIVER   5491.60*      Max WS     943752.80      571.39      760.39                  760.43     0.000032
1.78    639985.00     4607.58            0.02
PALUXY        PALUXY RIVER   5476.62*      Max WS     943752.40      571.38      760.39                  760.43     0.000032
1.79    639513.90     4601.52            0.02
PALUXY        PALUXY RIVER   5461.63*      Max WS     943752.10      571.36      760.39                  760.42     0.000032
1.79    639043.80     4595.46            0.02
PALUXY        PALUXY RIVER   5446.65*      Max WS     943751.80      571.35      760.39                  760.42     0.000032
1.79    638568.80     4589.40            0.02
PALUXY        PALUXY RIVER   5431.66*      Max WS     943751.40      571.33      760.39                  760.42     0.000032
1.79    638103.30     4583.33            0.02
PALUXY        PALUXY RIVER   5416.68*      Max WS     943751.10      571.32      760.39                  760.42     0.000032
1.79    637632.10     4577.27            0.02
PALUXY        PALUXY RIVER   5401.69*      Max WS     943750.80      571.30      760.39                  760.42     0.000032
1.79    637168.30     4571.21            0.02
PALUXY        PALUXY RIVER   5386.71*      Max WS     943750.40      571.29      760.38                  760.42     0.000032
1.79    636705.60     4565.15            0.02
PALUXY        PALUXY RIVER   5371.72*      Max WS     943750.10      571.27      760.38                  760.42     0.000032
1.80    636242.40     4559.09            0.02
PALUXY        PALUXY RIVER   5356.74*      Max WS     943749.80      571.26      760.38                  760.42     0.000032
1.80    635778.90     4553.03            0.02
PALUXY        PALUXY RIVER   5341.76*      Max WS     943749.40      571.24      760.38                  760.42     0.000032
1.80    635319.90     4546.97            0.02
PALUXY        PALUXY RIVER   5326.77*      Max WS     943749.10      571.23      760.38                  760.42     0.000032
1.80    634861.20     4540.91            0.02
PALUXY        PALUXY RIVER   5311.79*      Max WS     943748.80      571.21      760.38                  760.41     0.000032
1.80    634404.60     4534.85            0.02
PALUXY        PALUXY RIVER   5296.80*      Max WS     943748.40      571.20      760.38                  760.41     0.000032
1.80    633961.40     4528.79            0.02
PALUXY        PALUXY RIVER   5281.82*      Max WS     943748.10      571.18      760.38                  760.41     0.000032
1.80    633502.10     4522.73            0.02
PALUXY        PALUXY RIVER   5266.83*      Max WS     943747.80      571.17      760.38                  760.41     0.000032
1.80    633050.50     4516.67            0.02
PALUXY        PALUXY RIVER   5251.85*      Max WS     943747.40      571.15      760.38                  760.41     0.000032
1.80    632608.40     4510.61            0.02
PALUXY        PALUXY RIVER   5236.86*      Max WS     943747.10      571.14      760.37                  760.41     0.000032
1.81    632152.40     4504.55            0.02
PALUXY        PALUXY RIVER   5221.88*      Max WS     943746.80      571.12      760.37                  760.41     0.000032
1.81    631708.40     4498.49            0.02
PALUXY        PALUXY RIVER   5206.89*      Max WS     943746.40      571.11      760.37                  760.41     0.000032
1.81    631270.50     4492.43            0.02
PALUXY        PALUXY RIVER   5191.91*      Max WS     943746.10      571.09      760.37                  760.41     0.000032
1.81    630822.80     4486.36            0.02
PALUXY        PALUXY RIVER   5176.92*      Max WS     943745.80      571.08      760.37                  760.41     0.000032
1.81    630380.00     4480.30            0.02
PALUXY        PALUXY RIVER   5161.94*      Max WS     943745.40      571.06      760.37                  760.40     0.000032
1.81    629950.30     4474.24            0.02
PALUXY        PALUXY RIVER   5146.95*      Max WS     943745.10      571.05      760.37                  760.40     0.000033
1.81    629507.70     4468.18            0.02
PALUXY        PALUXY RIVER   5131.97*      Max WS     943744.80      571.03      760.37                  760.40     0.000033
1.81    629076.20     4462.12            0.02
PALUXY        PALUXY RIVER   5116.98*      Max WS     943744.40      571.02      760.37                  760.40     0.000033
1.82    628643.90     4456.06            0.02
PALUXY        PALUXY RIVER   5102          Max WS     943744.10      571.00      760.37                  760.40     0.000033
1.82    628211.70     4450.00            0.02
PALUXY        LOWER PALUXY   3838          Max WS    1050431.00      568.00      760.37                  760.43     0.000059
2.42    537664.70     4150.00            0.03
PALUXY        LOWER PALUXY   3833.02*      Max WS    1050431.00      568.00      760.36                  760.43     0.000059
2.42    537953.30     4152.72            0.03
PALUXY        LOWER PALUXY   3828.03*      Max WS    1050430.00      567.99      760.36                  760.43     0.000059
2.42    538243.80     4155.45            0.03
PALUXY        LOWER PALUXY   3823.05*      Max WS    1050430.00      567.99      760.36                  760.42     0.000059
2.42    538530.90     4158.17            0.03
PALUXY        LOWER PALUXY   3818.07*      Max WS    1050430.00      567.98      760.36                  760.42     0.000059
2.42    538823.40     4160.90            0.03
PALUXY        LOWER PALUXY   3813.09*      Max WS    1050430.00      567.98      760.36                  760.42     0.000059
2.42    539102.90     4163.62            0.03
PALUXY        LOWER PALUXY   3808.11*      Max WS    1050430.00      567.98      760.36                  760.42     0.000059
2.42    539385.60     4166.34            0.03
PALUXY        LOWER PALUXY   3803.13*      Max WS    1050430.00      567.97      760.36                  760.42     0.000059
2.42    539671.00     4169.07            0.03
PALUXY        LOWER PALUXY   3798.15*      Max WS    1050430.00      567.97      760.36                  760.42     0.000059
2.41    539955.80     4171.79            0.03
PALUXY        LOWER PALUXY   3793.17*      Max WS    1050430.00      567.96      760.36                  760.42     0.000059
2.41    540243.00     4174.51            0.03
PALUXY        LOWER PALUXY   3788.19*      Max WS    1050430.00      567.96      760.36                  760.42     0.000059
2.41    540527.50     4177.24            0.03
PALUXY        LOWER PALUXY   3783.21*      Max WS    1050430.00      567.96      760.36                  760.42     0.000059
2.41    540816.50     4179.96            0.03
PALUXY        LOWER PALUXY   3778.23*      Max WS    1050430.00      567.95      760.36                  760.42     0.000059
2.41    541096.50     4182.69            0.03
PALUXY        LOWER PALUXY   3773.25*      Max WS    1050429.00      567.95      760.36                  760.42     0.000058
2.41    541387.40     4185.41            0.03
PALUXY        LOWER PALUXY   3768.27*      Max WS    1050429.00      567.95      760.36                  760.42     0.000058
2.41    541659.30     4188.13            0.03
PALUXY        LOWER PALUXY   3763.29*      Max WS    1050429.00      567.94      760.36                  760.42     0.000058
2.40    541945.00     4190.86            0.03
PALUXY        LOWER PALUXY   3758.31*      Max WS    1050429.00      567.94      760.35                  760.42     0.000058
2.40    542222.90     4193.58            0.03
PALUXY        LOWER PALUXY   3753.33*      Max WS    1050429.00      567.93      760.35                  760.41     0.000058
2.40    542507.40     4196.30            0.03
PALUXY        LOWER PALUXY   3748.35*      Max WS    1050429.00      567.93      760.35                  760.41     0.000058
2.40    542796.00     4199.03            0.03
PALUXY        LOWER PALUXY   3743.37*      Max WS    1050429.00      567.93      760.35                  760.41     0.000058
2.40    543076.40     4201.75            0.03
PALUXY        LOWER PALUXY   3738.38*      Max WS    1050429.00      567.92      760.35                  760.41     0.000058
2.40    543358.80     4204.47            0.03
PALUXY        LOWER PALUXY   3733.40*      Max WS    1050429.00      567.92      760.35                  760.41     0.000058
2.40    543633.40     4207.20            0.03
PALUXY        LOWER PALUXY   3728.42*      Max WS    1050429.00      567.91      760.35                  760.41     0.000058
2.39    543918.10     4209.92            0.03
PALUXY        LOWER PALUXY   3723.44*      Max WS    1050429.00      567.91      760.35                  760.41     0.000058
2.39    544190.90     4212.65            0.03
PALUXY        LOWER PALUXY   3718.46*      Max WS    1050428.00      567.91      760.35                  760.41     0.000058
2.39    544476.40     4215.37            0.03
PALUXY        LOWER PALUXY   3713.48*      Max WS    1050428.00      567.90      760.35                  760.41     0.000058
2.39    544756.40     4218.09            0.03
PALUXY        LOWER PALUXY   3708.50*      Max WS    1050428.00      567.90      760.35                  760.41     0.000058
2.39    545033.30     4220.82            0.03
PALUXY        LOWER PALUXY   3703.52*      Max WS    1050428.00      567.89      760.35                  760.41     0.000058
2.39    545309.10     4223.54            0.03
PALUXY        LOWER PALUXY   3698.54*      Max WS    1050428.00      567.89      760.35                  760.41     0.000058
2.39    545591.80     4226.26            0.03
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PALUXY        LOWER PALUXY   3693.56*      Max WS    1050428.00      567.89      760.35                  760.41      0.000057
2.39    545865.70     4228.99            0.03
PALUXY        LOWER PALUXY   3688.58*      Max WS    1050428.00      567.88      760.35                  760.41      0.000057
2.38    546142.40     4231.71            0.03
PALUXY        LOWER PALUXY   3683.60*      Max WS    1050428.00      567.88      760.35                  760.41      0.000057
2.38    546422.60     4234.44            0.03
PALUXY        LOWER PALUXY   3678.62*      Max WS    1050428.00      567.88      760.34                  760.40      0.000057
2.38    546700.90     4237.16            0.03
PALUXY        LOWER PALUXY   3673.64*      Max WS    1050428.00      567.87      760.34                  760.40      0.000057
2.38    546974.80     4239.88            0.03
PALUXY        LOWER PALUXY   3668.66*      Max WS    1050428.00      567.87      760.34                  760.40      0.000057
2.38    547249.30     4242.61            0.03
PALUXY        LOWER PALUXY   3663.68*      Max WS    1050428.00      567.86      760.34                  760.40      0.000057
2.38    547526.00     4245.33            0.03
PALUXY        LOWER PALUXY   3658.7*       Max WS    1050427.00      567.86      760.34                  760.40      0.000057
2.38    547792.00     4248.05            0.03
PALUXY        LOWER PALUXY   3653.72*      Max WS    1050427.00      567.86      760.34                  760.40      0.000057
2.38    548068.10     4250.78            0.03
PALUXY        LOWER PALUXY   3648.73*      Max WS    1050427.00      567.85      760.34                  760.40      0.000057
2.37    548342.20     4253.50            0.03
PALUXY        LOWER PALUXY   3643.75*      Max WS    1050427.00      567.85      760.34                  760.40      0.000057
2.37    548624.90     4256.23            0.03
PALUXY        LOWER PALUXY   3638.77*      Max WS    1050427.00      567.84      760.34                  760.40      0.000057
2.37    548895.60     4258.95            0.03
PALUXY        LOWER PALUXY   3633.79*      Max WS    1050427.00      567.84      760.34                  760.40      0.000057
2.37    549168.30     4261.67            0.03
PALUXY        LOWER PALUXY   3628.81*      Max WS    1050427.00      567.84      760.34                  760.40      0.000057
2.37    549435.50     4264.40            0.03
PALUXY        LOWER PALUXY   3623.83*      Max WS    1050427.00      567.83      760.34                  760.40      0.000057
2.37    549708.30     4267.12            0.03
PALUXY        LOWER PALUXY   3618.85*      Max WS    1050427.00      567.83      760.34                  760.40      0.000057
2.37    549977.30     4269.84            0.03
PALUXY        LOWER PALUXY   3613.87*      Max WS    1050427.00      567.82      760.34                  760.40      0.000056
2.36    550251.80     4272.57            0.03
PALUXY        LOWER PALUXY   3608.89*      Max WS    1050427.00      567.82      760.34                  760.39      0.000056
2.36    550523.90     4275.29            0.03
PALUXY        LOWER PALUXY   3603.91*      Max WS    1050427.00      567.82      760.34                  760.39      0.000056
2.36    550795.30     4278.02            0.03
PALUXY        LOWER PALUXY   3598.93*      Max WS    1050426.00      567.81      760.33                  760.39      0.000056
2.36    551064.30     4280.74            0.03
PALUXY        LOWER PALUXY   3593.95*      Max WS    1050426.00      567.81      760.33                  760.39      0.000056
2.36    551337.10     4283.46            0.03
PALUXY        LOWER PALUXY   3588.97*      Max WS    1050426.00      567.81      760.33                  760.39      0.000056
2.36    551605.80     4286.19            0.03
PALUXY        LOWER PALUXY   3583.99*      Max WS    1050426.00      567.80      760.33                  760.39      0.000056
2.36    551867.70     4288.91            0.03
PALUXY        LOWER PALUXY   3579.01*      Max WS    1050426.00      567.80      760.33                  760.39      0.000056
2.36    552138.00     4291.63            0.03
PALUXY        LOWER PALUXY   3574.03*      Max WS    1050426.00      567.79      760.33                  760.39      0.000056
2.35    552409.30     4294.36            0.03
PALUXY        LOWER PALUXY   3569.05*      Max WS    1050426.00      567.79      760.33                  760.39      0.000056
2.35    552677.30     4297.08            0.03
PALUXY        LOWER PALUXY   3564.07*      Max WS    1050426.00      567.79      760.33                  760.39      0.000056
2.35    552944.80     4299.81            0.03
PALUXY        LOWER PALUXY   3559.08*      Max WS    1050426.00      567.78      760.33                  760.39      0.000056
2.35    553211.20     4302.53            0.03
PALUXY        LOWER PALUXY   3554.10*      Max WS    1050426.00      567.78      760.33                  760.39      0.000056
2.35    553479.30     4305.25            0.03
PALUXY        LOWER PALUXY   3549.12*      Max WS    1050426.00      567.77      760.33                  760.39      0.000056
2.35    553745.60     4307.98            0.03
PALUXY        LOWER PALUXY   3544.14*      Max WS    1050426.00      567.77      760.33                  760.39      0.000056
2.35    554014.00     4310.70            0.03
PALUXY        LOWER PALUXY   3539.16*      Max WS    1050425.00      567.77      760.33                  760.39      0.000056
2.35    554276.90     4313.42            0.03
PALUXY        LOWER PALUXY   3534.18*      Max WS    1050425.00      567.76      760.33                  760.38      0.000056
2.34    554543.80     4316.15            0.03
PALUXY        LOWER PALUXY   3529.20*      Max WS    1050425.00      567.76      760.33                  760.38      0.000055
2.34    554805.80     4318.87            0.03
PALUXY        LOWER PALUXY   3524.22*      Max WS    1050425.00      567.75      760.33                  760.38      0.000055
2.34    555068.80     4321.60            0.03
PALUXY        LOWER PALUXY   3519.24*      Max WS    1050425.00      567.75      760.32                  760.38      0.000055
2.34    555337.70     4324.32            0.03
PALUXY        LOWER PALUXY   3514.26*      Max WS    1050425.00      567.75      760.32                  760.38      0.000055
2.34    555601.80     4327.04            0.03
PALUXY        LOWER PALUXY   3509.28*      Max WS    1050425.00      567.74      760.32                  760.38      0.000055
2.34    555862.30     4329.77            0.03
PALUXY        LOWER PALUXY   3504.30*      Max WS    1050425.00      567.74      760.32                  760.38      0.000055
2.34    556126.30     4332.49            0.03
PALUXY        LOWER PALUXY   3499.32*      Max WS    1050425.00      567.74      760.32                  760.38      0.000055
2.34    556386.30     4335.21            0.03
PALUXY        LOWER PALUXY   3494.34*      Max WS    1050425.00      567.73      760.32                  760.38      0.000055
2.33    556648.80     4337.94            0.03
PALUXY        LOWER PALUXY   3489.36*      Max WS    1050425.00      567.73      760.32                  760.38      0.000055
2.33    556906.20     4340.66            0.03
PALUXY        LOWER PALUXY   3484.38*      Max WS    1050425.00      567.72      760.32                  760.38      0.000055
2.33    557172.90     4343.39            0.03
PALUXY        LOWER PALUXY   3479.40*      Max WS    1050424.00      567.72      760.32                  760.38      0.000055
2.33    557430.30     4346.11            0.03
PALUXY        LOWER PALUXY   3474.42*      Max WS    1050424.00      567.72      760.32                  760.38      0.000055
2.33    557693.30     4348.83            0.03
PALUXY        LOWER PALUXY   3469.44*      Max WS    1050424.00      567.71      760.32                  760.38      0.000055
2.33    557953.50     4351.56            0.03
PALUXY        LOWER PALUXY   3464.45*      Max WS    1050424.00      567.71      760.32                  760.38      0.000055
2.33    558216.70     4354.28            0.03
PALUXY        LOWER PALUXY   3459.47*      Max WS    1050424.00      567.70      760.32                  760.37      0.000055
2.33    558470.80     4357.00            0.03
PALUXY        LOWER PALUXY   3454.49*      Max WS    1050424.00      567.70      760.32                  760.37      0.000055
2.32    558732.50     4359.73            0.03
PALUXY        LOWER PALUXY   3449.51*      Max WS    1050424.00      567.70      760.32                  760.37      0.000055
2.32    558988.60     4362.45            0.03
PALUXY        LOWER PALUXY   3444.53*      Max WS    1050424.00      567.69      760.32                  760.37      0.000055
2.32    559251.60     4365.17            0.03
PALUXY        LOWER PALUXY   3439.55*      Max WS    1050424.00      567.69      760.31                  760.37      0.000054
2.32    559504.50     4367.90            0.03
PALUXY        LOWER PALUXY   3434.57*      Max WS    1050424.00      567.68      760.31                  760.37      0.000054
2.32    559764.10     4370.62            0.03
PALUXY        LOWER PALUXY   3429.59*      Max WS    1050424.00      567.68      760.31                  760.37      0.000054
2.32    560020.10     4373.35            0.03
PALUXY        LOWER PALUXY   3424.61*      Max WS    1050424.00      567.68      760.31                  760.37      0.000054
2.32    560276.70     4376.07            0.03
PALUXY        LOWER PALUXY   3419.63*      Max WS    1050424.00      567.67      760.31                  760.37      0.000054
2.32    560537.00     4378.79            0.03
PALUXY        LOWER PALUXY   3414.65*      Max WS    1050423.00      567.67      760.31                  760.37      0.000054
2.32    560788.20     4381.52            0.03
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PALUXY        LOWER PALUXY   3409.67*      Max WS    1050423.00      567.67      760.31                  760.37      0.000054
2.31    561048.90     4384.24            0.03
PALUXY        LOWER PALUXY   3404.69*      Max WS    1050423.00      567.66      760.31                  760.37      0.000054
2.31    561303.40     4386.96            0.03
PALUXY        LOWER PALUXY   3399.71*      Max WS    1050423.00      567.66      760.31                  760.37      0.000054
2.31    561555.90     4389.69            0.03
PALUXY        LOWER PALUXY   3394.73*      Max WS    1050423.00      567.65      760.31                  760.37      0.000054
2.31    561812.90     4392.41            0.03
PALUXY        LOWER PALUXY   3389.75*      Max WS    1050423.00      567.65      760.31                  760.37      0.000054
2.31    562063.60     4395.14            0.03
PALUXY        LOWER PALUXY   3384.77*      Max WS    1050423.00      567.65      760.31                  760.37      0.000054
2.31    562315.00     4397.86            0.03
PALUXY        LOWER PALUXY   3379.79*      Max WS    1050423.00      567.64      760.31                  760.36      0.000054
2.31    562571.00     4400.58            0.03
PALUXY        LOWER PALUXY   3374.81*      Max WS    1050423.00      567.64      760.31                  760.36      0.000054
2.31    562827.40     4403.31            0.03
PALUXY        LOWER PALUXY   3369.82*      Max WS    1050423.00      567.63      760.31                  760.36      0.000054
2.30    563083.00     4406.03            0.03
PALUXY        LOWER PALUXY   3364.84*      Max WS    1050423.00      567.63      760.31                  760.36      0.000054
2.30    563330.30     4408.75            0.03
PALUXY        LOWER PALUXY   3359.86*      Max WS    1050423.00      567.63      760.30                  760.36      0.000054
2.30    563582.60     4411.48            0.03
PALUXY        LOWER PALUXY   3354.88*      Max WS    1050423.00      567.62      760.30                  760.36      0.000054
2.30    563827.10     4414.20            0.03
PALUXY        LOWER PALUXY   3349.90*      Max WS    1050423.00      567.62      760.30                  760.36      0.000054
2.30    564077.90     4416.93            0.03
PALUXY        LOWER PALUXY   3344.92*      Max WS    1050422.00      567.61      760.30                  760.36      0.000053
2.30    564331.60     4419.65            0.03
PALUXY        LOWER PALUXY   3339.94*      Max WS    1050422.00      567.61      760.30                  760.36      0.000053
2.30    564583.70     4422.37            0.03
PALUXY        LOWER PALUXY   3334.96*      Max WS    1050422.00      567.61      760.30                  760.36      0.000053
2.30    564833.40     4425.10            0.03
PALUXY        LOWER PALUXY   3329.98*      Max WS    1050422.00      567.60      760.30                  760.36      0.000053
2.30    565086.30     4427.82            0.03
PALUXY        LOWER PALUXY   3325.00*      Max WS    1050422.00      567.60      760.30                  760.36      0.000053
2.29    565334.80     4430.54            0.03
PALUXY        LOWER PALUXY   3320.02*      Max WS    1050422.00      567.60      760.30                  760.36      0.000053
2.29    565581.90     4433.27            0.03
PALUXY        LOWER PALUXY   3315.04*      Max WS    1050422.00      567.59      760.30                  760.36      0.000053
2.29    565830.50     4435.99            0.03
PALUXY        LOWER PALUXY   3310.06*      Max WS    1050422.00      567.59      760.30                  760.36      0.000053
2.29    566073.60     4438.72            0.03
PALUXY        LOWER PALUXY   3305.08*      Max WS    1050422.00      567.58      760.30                  760.35      0.000053
2.29    566323.10     4441.44            0.03
PALUXY        LOWER PALUXY   3300.10*      Max WS    1050422.00      567.58      760.30                  760.35      0.000053
2.29    566566.30     4444.16            0.03
PALUXY        LOWER PALUXY   3295.12*      Max WS    1050422.00      567.58      760.30                  760.35      0.000053
2.29    566816.90     4446.89            0.03
PALUXY        LOWER PALUXY   3290.14*      Max WS    1050422.00      567.57      760.30                  760.35      0.000053
2.29    567064.00     4449.61            0.03
PALUXY        LOWER PALUXY   3285.16*      Max WS    1050422.00      567.57      760.30                  760.35      0.000053
2.28    567313.10     4452.33            0.03
PALUXY        LOWER PALUXY   3280.17*      Max WS    1050422.00      567.56      760.30                  760.35      0.000053
2.28    567556.90     4455.06            0.03
PALUXY        LOWER PALUXY   3275.19*      Max WS    1050421.00      567.56      760.29                  760.35      0.000053
2.28    567801.70     4457.78            0.03
PALUXY        LOWER PALUXY   3270.21*      Max WS    1050421.00      567.56      760.29                  760.35      0.000053
2.28    568042.80     4460.51            0.03
PALUXY        LOWER PALUXY   3265.23*      Max WS    1050421.00      567.55      760.29                  760.35      0.000053
2.28    568290.30     4463.23            0.03
PALUXY        LOWER PALUXY   3260.25*      Max WS    1050421.00      567.55      760.29                  760.35      0.000053
2.28    568532.60     4465.95            0.03
PALUXY        LOWER PALUXY   3255.27*      Max WS    1050421.00      567.54      760.29                  760.35      0.000053
2.28    568780.60     4468.68            0.03
PALUXY        LOWER PALUXY   3250.29*      Max WS    1050421.00      567.54      760.29                  760.35      0.000053
2.28    569022.30     4471.40            0.03
PALUXY        LOWER PALUXY   3245.31*      Max WS    1050421.00      567.54      760.29                  760.35      0.000052
2.28    569262.70     4474.12            0.03
PALUXY        LOWER PALUXY   3240.33*      Max WS    1050421.00      567.53      760.29                  760.35      0.000052
2.27    569511.70     4476.85            0.03
PALUXY        LOWER PALUXY   3235.35*      Max WS    1050421.00      567.53      760.29                  760.35      0.000052
2.27    569751.30     4479.57            0.03
PALUXY        LOWER PALUXY   3230.37*      Max WS    1050421.00      567.53      760.29                  760.35      0.000052
2.27    569993.80     4482.30            0.03
PALUXY        LOWER PALUXY   3225.39*      Max WS    1050421.00      567.52      760.29                  760.34      0.000052
2.27    570237.20     4485.02            0.03
PALUXY        LOWER PALUXY   3220.41*      Max WS    1050421.00      567.52      760.29                  760.34      0.000052
2.27    570469.50     4487.74            0.03
PALUXY        LOWER PALUXY   3215.43*      Max WS    1050421.00      567.51      760.29                  760.34      0.000052
2.27    570712.40     4490.47            0.03
PALUXY        LOWER PALUXY   3210.45*      Max WS    1050421.00      567.51      760.29                  760.34      0.000052
2.27    570953.80     4493.19            0.03
PALUXY        LOWER PALUXY   3205.47*      Max WS    1050421.00      567.51      760.29                  760.34      0.000052
2.27    571191.20     4495.91            0.03
PALUXY        LOWER PALUXY   3200.49*      Max WS    1050420.00      567.50      760.29                  760.34      0.000052
2.27    571430.00     4498.64            0.03
PALUXY        LOWER PALUXY   3195.51*      Max WS    1050420.00      567.50      760.29                  760.34      0.000052
2.26    571668.90     4501.36            0.03
PALUXY        LOWER PALUXY   3190.53*      Max WS    1050420.00      567.49      760.28                  760.34      0.000052
2.26    571914.20     4504.09            0.03
PALUXY        LOWER PALUXY   3185.54*      Max WS    1050420.00      567.49      760.28                  760.34      0.000052
2.26    572148.20     4506.81            0.03
PALUXY        LOWER PALUXY   3180.56*      Max WS    1050420.00      567.49      760.28                  760.34      0.000052
2.26    572386.40     4509.53            0.03
PALUXY        LOWER PALUXY   3175.58*      Max WS    1050420.00      567.48      760.28                  760.34      0.000052
2.26    572625.00     4512.26            0.03
PALUXY        LOWER PALUXY   3170.60*      Max WS    1050420.00      567.48      760.28                  760.34      0.000052
2.26    572858.40     4514.98            0.03
PALUXY        LOWER PALUXY   3165.62*      Max WS    1050420.00      567.47      760.28                  760.34      0.000052
2.26    573100.10     4517.70            0.03
PALUXY        LOWER PALUXY   3160.64*      Max WS    1050420.00      567.47      760.28                  760.34      0.000052
2.26    573330.30     4520.43            0.03
PALUXY        LOWER PALUXY   3155.66*      Max WS    1050420.00      567.47      760.28                  760.34      0.000052
2.26    573572.10     4523.15            0.03
PALUXY        LOWER PALUXY   3150.68*      Max WS    1050420.00      567.46      760.28                  760.34      0.000052
2.25    573806.90     4525.88            0.03
PALUXY        LOWER PALUXY   3145.70*      Max WS    1050420.00      567.46      760.28                  760.33      0.000052
2.25    574042.40     4528.60            0.03
PALUXY        LOWER PALUXY   3140.72*      Max WS    1050420.00      567.46      760.28                  760.33      0.000051
2.25    574278.10     4531.32            0.03
PALUXY        LOWER PALUXY   3135.74*      Max WS    1050420.00      567.45      760.28                  760.33      0.000051
2.25    574515.80     4534.05            0.03
PALUXY        LOWER PALUXY   3130.76*      Max WS    1050420.00      567.45      760.28                  760.33      0.000051
2.25    574746.60     4536.77            0.03
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PALUXY        LOWER PALUXY   3125.78*      Max WS    1050419.00      567.44      760.28                  760.33      0.000051
2.25    574976.90     4539.49            0.03
PALUXY        LOWER PALUXY   3120.80*      Max WS    1050419.00      567.44      760.28                  760.33      0.000051
2.25    575209.90     4542.22            0.03
PALUXY        LOWER PALUXY   3115.82*      Max WS    1050419.00      567.44      760.28                  760.33      0.000051
2.25    575441.80     4544.94            0.03
PALUXY        LOWER PALUXY   3110.84*      Max WS    1050419.00      567.43      760.28                  760.33      0.000051
2.25    575674.90     4547.67            0.03
PALUXY        LOWER PALUXY   3105.86*      Max WS    1050419.00      567.43      760.27                  760.33      0.000051
2.24    575912.70     4550.39            0.03
PALUXY        LOWER PALUXY   3100.88*      Max WS    1050419.00      567.42      760.27                  760.33      0.000051
2.24    576142.10     4553.11            0.03
PALUXY        LOWER PALUXY   3095.9*       Max WS    1050419.00      567.42      760.27                  760.33      0.000051
2.24    576375.30     4555.84            0.03
PALUXY        LOWER PALUXY   3090.91*      Max WS    1050419.00      567.42      760.27                  760.33      0.000051
2.24    576605.30     4558.56            0.03
PALUXY        LOWER PALUXY   3085.93*      Max WS    1050419.00      567.41      760.27                  760.33      0.000051
2.24    576838.20     4561.28            0.03
PALUXY        LOWER PALUXY   3080.95*      Max WS    1050419.00      567.41      760.27                  760.33      0.000051
2.24    577064.00     4564.01            0.03
PALUXY        LOWER PALUXY   3075.97*      Max WS    1050419.00      567.40      760.27                  760.33      0.000051
2.24    577296.00     4566.73            0.03
PALUXY        LOWER PALUXY   3070.99*      Max WS    1050419.00      567.40      760.27                  760.33      0.000051
2.24    577524.10     4569.45            0.03
PALUXY        LOWER PALUXY   3066.01*      Max WS    1050419.00      567.40      760.27                  760.32      0.000051
2.24    577754.60     4572.18            0.03
PALUXY        LOWER PALUXY   3061.03*      Max WS    1050419.00      567.39      760.27                  760.32      0.000051
2.24    577982.80     4574.90            0.03
PALUXY        LOWER PALUXY   3056.05*      Max WS    1050419.00      567.39      760.27                  760.32      0.000051
2.23    578210.40     4577.63            0.03
PALUXY        LOWER PALUXY   3051.07*      Max WS    1050419.00      567.39      760.27                  760.32      0.000051
2.23    578439.80     4580.35            0.03
PALUXY        LOWER PALUXY   3046.09*      Max WS    1050418.00      567.38      760.27                  760.32      0.000051
2.23    578663.40     4583.07            0.03
PALUXY        LOWER PALUXY   3041.11*      Max WS    1050418.00      567.38      760.27                  760.32      0.000051
2.23    578892.10     4585.80            0.03
PALUXY        LOWER PALUXY   3036.13*      Max WS    1050418.00      567.37      760.27                  760.32      0.000051
2.23    579117.30     4588.52            0.03
PALUXY        LOWER PALUXY   3031.15*      Max WS    1050418.00      567.37      760.27                  760.32      0.000050
2.23    579346.40     4591.24            0.03
PALUXY        LOWER PALUXY   3026.17*      Max WS    1050418.00      567.37      760.27                  760.32      0.000050
2.23    579567.60     4593.97            0.03
PALUXY        LOWER PALUXY   3021.19*      Max WS    1050418.00      567.36      760.26                  760.32      0.000050
2.23    579793.60     4596.69            0.03
PALUXY        LOWER PALUXY   3016.21*      Max WS    1050418.00      567.36      760.26                  760.32      0.000050
2.23    580023.80     4599.42            0.03
PALUXY        LOWER PALUXY   3011.23*      Max WS    1050418.00      567.35      760.26                  760.32      0.000050
2.22    580247.40     4602.14            0.03
PALUXY        LOWER PALUXY   3006.25*      Max WS    1050418.00      567.35      760.26                  760.32      0.000050
2.22    580471.40     4604.86            0.03
PALUXY        LOWER PALUXY   3001.27*      Max WS    1050418.00      567.35      760.26                  760.32      0.000050
2.22    580694.60     4607.59            0.03
PALUXY        LOWER PALUXY   2996.28*      Max WS    1050418.00      567.34      760.26                  760.32      0.000050
2.22    580923.30     4610.31            0.03
PALUXY        LOWER PALUXY   2991.30*      Max WS    1050418.00      567.34      760.26                  760.32      0.000050
2.22    581139.40     4613.03            0.03
PALUXY        LOWER PALUXY   2986.32*      Max WS    1050418.00      567.33      760.26                  760.31      0.000050
2.22    581367.40     4615.76            0.03
PALUXY        LOWER PALUXY   2981.34*      Max WS    1050418.00      567.33      760.26                  760.31      0.000050
2.22    581592.30     4618.48            0.03
PALUXY        LOWER PALUXY   2976.36*      Max WS    1050418.00      567.33      760.26                  760.31      0.000050
2.22    581814.10     4621.21            0.03
PALUXY        LOWER PALUXY   2971.38*      Max WS    1050418.00      567.32      760.26                  760.31      0.000050
2.22    582033.00     4623.93            0.03
PALUXY        LOWER PALUXY   2966.40*      Max WS    1050417.00      567.32      760.26                  760.31      0.000050
2.22    582257.40     4626.65            0.03
PALUXY        LOWER PALUXY   2961.42*      Max WS    1050417.00      567.32      760.26                  760.31      0.000050
2.21    582474.80     4629.38            0.03
PALUXY        LOWER PALUXY   2956.44*      Max WS    1050417.00      567.31      760.26                  760.31      0.000050
2.21    582698.20     4632.10            0.03
PALUXY        LOWER PALUXY   2951.46*      Max WS    1050417.00      567.31      760.26                  760.31      0.000050
2.21    582914.40     4634.82            0.03
PALUXY        LOWER PALUXY   2946.48*      Max WS    1050417.00      567.30      760.26                  760.31      0.000050
2.21    583134.90     4637.55            0.03
PALUXY        LOWER PALUXY   2941.50*      Max WS    1050417.00      567.30      760.26                  760.31      0.000050
2.21    583354.80     4640.27            0.03
PALUXY        LOWER PALUXY   2936.52*      Max WS    1050417.00      567.30      760.25                  760.31      0.000050
2.21    583578.90     4643.00            0.03
PALUXY        LOWER PALUXY   2931.54*      Max WS    1050417.00      567.29      760.25                  760.31      0.000050
2.21    583792.80     4645.72            0.03
PALUXY        LOWER PALUXY   2926.56*      Max WS    1050417.00      567.29      760.25                  760.31      0.000050
2.21    584014.00     4648.44            0.03
PALUXY        LOWER PALUXY   2921.58*      Max WS    1050417.00      567.28      760.25                  760.31      0.000050
2.21    584229.50     4651.17            0.03
PALUXY        LOWER PALUXY   2916.6*       Max WS    1050417.00      567.28      760.25                  760.31      0.000050
2.21    584443.80     4653.89            0.03
PALUXY        LOWER PALUXY   2911.62*      Max WS    1050417.00      567.28      760.25                  760.31      0.000049
2.20    584664.90     4656.61            0.03
PALUXY        LOWER PALUXY   2906.63*      Max WS    1050417.00      567.27      760.25                  760.30      0.000049
2.20    584881.40     4659.34            0.03
PALUXY        LOWER PALUXY   2901.65*      Max WS    1050417.00      567.27      760.25                  760.30      0.000049
2.20    585102.90     4662.06            0.03
PALUXY        LOWER PALUXY   2896.67*      Max WS    1050417.00      567.26      760.25                  760.30      0.000049
2.20    585309.10     4664.79            0.03
PALUXY        LOWER PALUXY   2891.69*      Max WS    1050417.00      567.26      760.25                  760.30      0.000049
2.20    585524.30     4667.51            0.03
PALUXY        LOWER PALUXY   2886.71*      Max WS    1050417.00      567.26      760.25                  760.30      0.000049
2.20    585740.60     4670.23            0.03
PALUXY        LOWER PALUXY   2881.73*      Max WS    1050417.00      567.25      760.25                  760.30      0.000049
2.20    585959.40     4672.96            0.03
PALUXY        LOWER PALUXY   2876.75*      Max WS    1050416.00      567.25      760.25                  760.30      0.000049
2.20    586171.60     4675.68            0.03
PALUXY        LOWER PALUXY   2871.77*      Max WS    1050416.00      567.25      760.25                  760.30      0.000049
2.20    586387.10     4678.40            0.03
PALUXY        LOWER PALUXY   2866.79*      Max WS    1050416.00      567.24      760.25                  760.30      0.000049
2.20    586604.90     4681.13            0.03
PALUXY        LOWER PALUXY   2861.81*      Max WS    1050416.00      567.24      760.25                  760.30      0.000049
2.19    586815.40     4683.85            0.03
PALUXY        LOWER PALUXY   2856.83*      Max WS    1050416.00      567.23      760.25                  760.30      0.000049
2.19    587027.60     4686.58            0.03
PALUXY        LOWER PALUXY   2851.85*      Max WS    1050416.00      567.23      760.25                  760.30      0.000049
2.19    587237.40     4689.30            0.03
PALUXY        LOWER PALUXY   2846.87*      Max WS    1050416.00      567.23      760.24                  760.30      0.000049
2.19    587446.90     4692.02            0.03
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PALUXY        LOWER PALUXY   2841.89*      Max WS    1050416.00      567.22      760.24                  760.30      0.000049
2.19    587660.70     4694.75            0.03
PALUXY        LOWER PALUXY   2836.91*      Max WS    1050416.00      567.22      760.24                  760.30      0.000049
2.19    587876.20     4697.47            0.03
PALUXY        LOWER PALUXY   2831.93*      Max WS    1050416.00      567.21      760.24                  760.30      0.000049
2.19    588090.30     4700.19            0.03
PALUXY        LOWER PALUXY   2826.95*      Max WS    1050416.00      567.21      760.24                  760.29      0.000049
2.19    588302.10     4702.92            0.03
PALUXY        LOWER PALUXY   2821.97*      Max WS    1050416.00      567.21      760.24                  760.29      0.000049
2.19    588507.50     4705.64            0.03
PALUXY        LOWER PALUXY   2816.99*      Max WS    1050416.00      567.20      760.24                  760.29      0.000049
2.19    588716.90     4708.37            0.03
PALUXY        LOWER PALUXY   2812.00*      Max WS    1050416.00      567.20      760.24                  760.29      0.000049
2.18    588926.50     4711.09            0.03
PALUXY        LOWER PALUXY   2807.02*      Max WS    1050416.00      567.19      760.24                  760.29      0.000049
2.18    589134.00     4713.81            0.03
PALUXY        LOWER PALUXY   2802.04*      Max WS    1050416.00      567.19      760.24                  760.29      0.000049
2.18    589340.50     4716.54            0.03
PALUXY        LOWER PALUXY   2797.06*      Max WS    1050416.00      567.19      760.24                  760.29      0.000049
2.18    589552.90     4719.26            0.03
PALUXY        LOWER PALUXY   2792.08*      Max WS    1050416.00      567.18      760.24                  760.29      0.000049
2.18    589760.30     4721.98            0.03
PALUXY        LOWER PALUXY   2787.10*      Max WS    1050416.00      567.18      760.24                  760.29      0.000049
2.18    589970.00     4724.71            0.03
PALUXY        LOWER PALUXY   2782.12*      Max WS    1050416.00      567.18      760.24                  760.29      0.000048
2.18    590177.80     4727.43            0.03
PALUXY        LOWER PALUXY   2777.14*      Max WS    1050415.00      567.17      760.24                  760.29      0.000048
2.18    590383.60     4730.15            0.03
PALUXY        LOWER PALUXY   2772.16*      Max WS    1050415.00      567.17      760.24                  760.29      0.000048
2.18    590585.40     4732.88            0.03
PALUXY        LOWER PALUXY   2767.18*      Max WS    1050415.00      567.16      760.24                  760.29      0.000048
2.18    590798.70     4735.60            0.03
PALUXY        LOWER PALUXY   2762.20*      Max WS    1050415.00      567.16      760.23                  760.29      0.000048
2.18    590998.90     4738.33            0.03
PALUXY        LOWER PALUXY   2757.22*      Max WS    1050415.00      567.16      760.23                  760.29      0.000048
2.17    591205.40     4741.05            0.03
PALUXY        LOWER PALUXY   2752.24*      Max WS    1050415.00      567.15      760.23                  760.29      0.000048
2.17    591409.70     4743.77            0.03
PALUXY        LOWER PALUXY   2747.26*      Max WS    1050415.00      567.15      760.23                  760.29      0.000048
2.17    591611.20     4746.50            0.03
PALUXY        LOWER PALUXY   2742.28*      Max WS    1050415.00      567.14      760.23                  760.28      0.000048
2.17    591815.00     4749.22            0.03
PALUXY        LOWER PALUXY   2737.30*      Max WS    1050415.00      567.14      760.23                  760.28      0.000048
2.17    592020.80     4751.94            0.03
PALUXY        LOWER PALUXY   2732.32*      Max WS    1050415.00      567.14      760.23                  760.28      0.000048
2.17    592228.60     4754.67            0.03
PALUXY        LOWER PALUXY   2727.34*      Max WS    1050415.00      567.13      760.23                  760.28      0.000048
2.17    592429.90     4757.39            0.03
PALUXY        LOWER PALUXY   2722.36*      Max WS    1050415.00      567.13      760.23                  760.28      0.000048
2.17    592632.50     4760.12            0.03
PALUXY        LOWER PALUXY   2717.37*      Max WS    1050415.00      567.12      760.23                  760.28      0.000048
2.17    592829.10     4762.84            0.03
PALUXY        LOWER PALUXY   2712.39*      Max WS    1050415.00      567.12      760.23                  760.28      0.000048
2.17    593032.60     4765.56            0.03
PALUXY        LOWER PALUXY   2707.41*      Max WS    1050415.00      567.12      760.23                  760.28      0.000048
2.16    593231.50     4768.29            0.03
PALUXY        LOWER PALUXY   2702.43*      Max WS    1050415.00      567.11      760.23                  760.28      0.000048
2.16    593433.60     4771.01            0.03
PALUXY        LOWER PALUXY   2697.45*      Max WS    1050415.00      567.11      760.23                  760.28      0.000048
2.16    593636.90     4773.73            0.03
PALUXY        LOWER PALUXY   2692.47*      Max WS    1050415.00      567.11      760.23                  760.28      0.000048
2.16    593838.30     4776.46            0.03
PALUXY        LOWER PALUXY   2687.49*      Max WS    1050415.00      567.10      760.23                  760.28      0.000048
2.16    594041.80     4779.18            0.03
PALUXY        LOWER PALUXY   2682.51*      Max WS    1050415.00      567.10      760.23                  760.28      0.000048
2.16    594237.20     4781.91            0.03
PALUXY        LOWER PALUXY   2677.53*      Max WS    1050414.00      567.09      760.22                  760.28      0.000048
2.16    594441.40     4784.63            0.03
PALUXY        LOWER PALUXY   2672.55*      Max WS    1050414.00      567.09      760.22                  760.28      0.000048
2.16    594638.80     4787.35            0.03
PALUXY        LOWER PALUXY   2667.57*      Max WS    1050414.00      567.09      760.22                  760.28      0.000048
2.16    594833.80     4790.08            0.03
PALUXY        LOWER PALUXY   2662.59*      Max WS    1050414.00      567.08      760.22                  760.27      0.000048
2.16    595031.20     4792.80            0.03
PALUXY        LOWER PALUXY   2657.61*      Max WS    1050414.00      567.08      760.22                  760.27      0.000048
2.16    595228.90     4795.52            0.03
PALUXY        LOWER PALUXY   2652.63*      Max WS    1050414.00      567.07      760.22                  760.27      0.000048
2.15    595425.80     4798.25            0.03
PALUXY        LOWER PALUXY   2647.65*      Max WS    1050414.00      567.07      760.22                  760.27      0.000047
2.15    595623.70     4800.97            0.03
PALUXY        LOWER PALUXY   2642.67*      Max WS    1050414.00      567.07      760.22                  760.27      0.000047
2.15    595817.40     4803.70            0.03
PALUXY        LOWER PALUXY   2637.69*      Max WS    1050414.00      567.06      760.22                  760.27      0.000047
2.15    596017.80     4806.42            0.03
PALUXY        LOWER PALUXY   2632.71*      Max WS    1050414.00      567.06      760.22                  760.27      0.000047
2.15    596212.60     4809.14            0.03
PALUXY        LOWER PALUXY   2627.72*      Max WS    1050414.00      567.05      760.22                  760.27      0.000047
2.15    596411.10     4811.87            0.03
PALUXY        LOWER PALUXY   2622.74*      Max WS    1050414.00      567.05      760.22                  760.27      0.000047
2.15    596596.70     4814.59            0.03
PALUXY        LOWER PALUXY   2617.76*      Max WS    1050414.00      567.05      760.22                  760.27      0.000047
2.15    596794.00     4817.31            0.03
PALUXY        LOWER PALUXY   2612.78*      Max WS    1050414.00      567.04      760.22                  760.27      0.000047
2.15    596986.90     4820.04            0.03
PALUXY        LOWER PALUXY   2607.80*      Max WS    1050414.00      567.04      760.22                  760.27      0.000047
2.15    597182.90     4822.76            0.03
PALUXY        LOWER PALUXY   2602.82*      Max WS    1050414.00      567.04      760.22                  760.27      0.000047
2.15    597376.00     4825.49            0.03
PALUXY        LOWER PALUXY   2597.84*      Max WS    1050414.00      567.03      760.22                  760.27      0.000047
2.14    597575.70     4828.21            0.03
PALUXY        LOWER PALUXY   2592.86*      Max WS    1050414.00      567.03      760.22                  760.27      0.000047
2.14    597767.30     4830.93            0.03
PALUXY        LOWER PALUXY   2587.88*      Max WS    1050414.00      567.02      760.22                  760.27      0.000047
2.14    597958.60     4833.66            0.03
PALUXY        LOWER PALUXY   2582.90*      Max WS    1050414.00      567.02      760.21                  760.27      0.000047
2.14    598149.60     4836.38            0.03
PALUXY        LOWER PALUXY   2577.92*      Max WS    1050414.00      567.02      760.21                  760.27      0.000047
2.14    598334.40     4839.10            0.03
PALUXY        LOWER PALUXY   2572.94*      Max WS    1050414.00      567.01      760.21                  760.26      0.000047
2.14    598527.10     4841.83            0.03
PALUXY        LOWER PALUXY   2567.96*      Max WS    1050414.00      567.01      760.21                  760.26      0.000047
2.14    598714.20     4844.55            0.03
PALUXY        LOWER PALUXY   2562.98*      Max WS    1050413.00      567.00      760.21                  760.26      0.000047
2.14    598913.10     4847.28            0.03
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PALUXY        LOWER PALUXY   2558          Max WS    1050413.00      567.00      760.21                  760.26      0.000047
2.14    599102.20     4850.00          0.03
PALUXY        LOWER PALUXY   924           Max WS     650774.80      566.00      760.06                  760.07      0.000013
1.08    748744.10     6450.00          0.01
PALUXY        LOWER PALUXY   923.5*        Max WS    1069826.00      565.99      760.06                  760.09      0.000034
1.78    748710.60     6450.00          0.02
PALUXY        LOWER PALUXY   923.*         Max WS    1069826.00      565.98      760.06                  760.09      0.000034
1.78    748713.00     6450.00          0.02
PALUXY        LOWER PALUXY   922.5*        Max WS    1074305.00      565.97      760.06                  760.09      0.000034
1.79    748715.80     6450.00          0.02
PALUXY        LOWER PALUXY   922.*         Max WS    1069826.00      565.96      760.06                  760.09      0.000034
1.78    748717.70     6450.00          0.02
PALUXY        LOWER PALUXY   921.5*        Max WS    1069826.00      565.95      760.06                  760.09      0.000034
1.78    748719.60     6450.00          0.02
PALUXY        LOWER PALUXY   921.*         Max WS    1069826.00      565.94      760.06                  760.09      0.000034
1.78    748722.40     6450.00          0.02
PALUXY        LOWER PALUXY   920.5*        Max WS    1069826.00      565.93      760.06                  760.09      0.000034
1.78    748724.80     6450.00          0.02
PALUXY        LOWER PALUXY   920.*         Max WS    1069826.00      565.92      760.06                  760.09      0.000034
1.78    748727.50     6450.00          0.02
PALUXY        LOWER PALUXY   919.5*        Max WS    1069826.00      565.91      760.06                  760.09      0.000034
1.78    748729.40     6450.00          0.02
PALUXY        LOWER PALUXY   919.*         Max WS    1069826.00      565.90      760.06                  760.09      0.000034
1.78    748732.20     6450.00          0.02
PALUXY        LOWER PALUXY   918.5*        Max WS    1069826.00      565.89      760.05                  760.09      0.000034
1.78    748734.20     6450.00          0.02
PALUXY        LOWER PALUXY   918.*         Max WS    1074305.00      565.88      760.05                  760.09      0.000034
1.79    748736.90     6450.00          0.02
PALUXY        LOWER PALUXY   917.5*        Max WS    1074305.00      565.87      760.05                  760.09      0.000034
1.79    748739.30     6450.00          0.02
PALUXY        LOWER PALUXY   917.*         Max WS    1069826.00      565.86      760.05                  760.09      0.000034
1.78    748741.30     6450.00          0.02
PALUXY        LOWER PALUXY   916.5*        Max WS    1069826.00      565.85      760.05                  760.09      0.000034
1.78    748744.00     6450.00          0.02
PALUXY        LOWER PALUXY   916.*         Max WS    1069826.00      565.84      760.05                  760.09      0.000034
1.78    748746.30     6450.00          0.02
PALUXY        LOWER PALUXY   915.5*        Max WS    1069826.00      565.83      760.05                  760.09      0.000034
1.78    748749.10     6450.00          0.02
PALUXY        LOWER PALUXY   915.*         Max WS    1069826.00      565.82      760.05                  760.09      0.000034
1.78    748751.10     6450.00          0.02
PALUXY        LOWER PALUXY   914.5*        Max WS    1069826.00      565.81      760.05                  760.09      0.000034
1.78    748753.80     6450.00          0.02
PALUXY        LOWER PALUXY   914.*         Max WS    1069826.00      565.80      760.05                  760.09      0.000034
1.78    748755.80     6450.00          0.02
PALUXY        LOWER PALUXY   913.5*        Max WS    1069826.00      565.79      760.05                  760.09      0.000034
1.78    748758.50     6450.00          0.02
PALUXY        LOWER PALUXY   913.*         Max WS    1074305.00      565.78      760.05                  760.09      0.000034
1.79    748760.90     6450.00          0.02
PALUXY        LOWER PALUXY   912.5*        Max WS    1069826.00      565.77      760.05                  760.09      0.000034
1.78    748763.60     6450.00          0.02
PALUXY        LOWER PALUXY   912.*         Max WS    1069826.00      565.76      760.05                  760.09      0.000034
1.78    748765.60     6450.00          0.02
PALUXY        LOWER PALUXY   911.5*        Max WS    1069826.00      565.75      760.05                  760.09      0.000034
1.78    748767.60     6450.00          0.02
PALUXY        LOWER PALUXY   911.*         Max WS    1069826.00      565.74      760.05                  760.09      0.000034
1.78    748770.30     6450.00          0.02
PALUXY        LOWER PALUXY   910.5*        Max WS    1061540.00      565.73      760.05                  760.09      0.000033
1.77    748772.60     6450.00          0.02
PALUXY        LOWER PALUXY   910.*         Max WS    1061540.00      565.72      760.05                  760.09      0.000033
1.77    748775.40     6450.00          0.02
PALUXY        LOWER PALUXY   909.5*        Max WS    1069826.00      565.71      760.05                  760.09      0.000034
1.78    748778.10     6450.00          0.02
PALUXY        LOWER PALUXY   909.*         Max WS    1069826.00      565.70      760.05                  760.09      0.000034
1.78    748780.10     6450.00          0.02
PALUXY        LOWER PALUXY   908.5*        Max WS    1069826.00      565.69      760.05                  760.09      0.000034
1.78    748782.10     6450.00          0.02
PALUXY        LOWER PALUXY   908.*         Max WS    1074305.00      565.68      760.05                  760.09      0.000034
1.79    748784.90     6450.00          0.02
PALUXY        LOWER PALUXY   907.5*        Max WS    1069826.00      565.67      760.05                  760.09      0.000034
1.78    748787.20     6450.00          0.02
PALUXY        LOWER PALUXY   907.*         Max WS    1069826.00      565.66      760.05                  760.09      0.000034
1.78    748789.10     6450.00          0.02
PALUXY        LOWER PALUXY   906.5*        Max WS    1069826.00      565.65      760.05                  760.09      0.000034
1.78    748791.90     6450.00          0.02
PALUXY        LOWER PALUXY   906.*         Max WS    1061540.00      565.64      760.05                  760.09      0.000033
1.77    748794.30     6450.00          0.02
PALUXY        LOWER PALUXY   905.5*        Max WS    1061540.00      565.63      760.05                  760.09      0.000033
1.77    748797.00     6450.00          0.02
PALUXY        LOWER PALUXY   905.*         Max WS    1061540.00      565.62      760.05                  760.09      0.000033
1.77    748799.00     6450.00          0.02
PALUXY        LOWER PALUXY   904.5*        Max WS    1069826.00      565.61      760.05                  760.09      0.000034
1.78    748801.80     6450.00          0.02
PALUXY        LOWER PALUXY   904.*         Max WS    1069826.00      565.60      760.05                  760.09      0.000034
1.78    748803.70     6450.00          0.02
PALUXY        LOWER PALUXY   903.5*        Max WS    1069826.00      565.59      760.05                  760.09      0.000034
1.78    748806.40     6450.00          0.02
PALUXY        LOWER PALUXY   903.*         Max WS    1074305.00      565.58      760.05                  760.09      0.000034
1.79    748808.80     6450.00          0.02
PALUXY        LOWER PALUXY   902.5*        Max WS    1069826.00      565.57      760.05                  760.09      0.000034
1.78    748811.50     6450.00          0.02
PALUXY        LOWER PALUXY   902.*         Max WS    1069826.00      565.56      760.05                  760.09      0.000034
1.78    748813.50     6450.00          0.02
PALUXY        LOWER PALUXY   901.5*        Max WS    1061540.00      565.55      760.05                  760.09      0.000033
1.77    748815.40     6450.00          0.02
PALUXY        LOWER PALUXY   901.*         Max WS    1061540.00      565.54      760.05                  760.09      0.000033
1.77    748818.20     6450.00          0.02
PALUXY        LOWER PALUXY   900.5*        Max WS    1061540.00      565.53      760.05                  760.09      0.000033
1.77    748820.60     6450.00          0.02
PALUXY        LOWER PALUXY   900.*         Max WS    1069826.00      565.52      760.05                  760.09      0.000034
1.78    748823.30     6450.00          0.02
PALUXY        LOWER PALUXY   899.5*        Max WS    1069826.00      565.51      760.05                  760.09      0.000034
1.78    748826.10     6450.00          0.02
PALUXY        LOWER PALUXY   899.*         Max WS    1069826.00      565.50      760.05                  760.09      0.000034
1.78    748828.10     6450.00          0.02
PALUXY        LOWER PALUXY   898.5*        Max WS    1069826.00      565.49      760.05                  760.09      0.000034
1.78    748830.00     6450.00          0.02
PALUXY        LOWER PALUXY   898.*         Max WS    1074305.00      565.48      760.05                  760.09      0.000034
1.79    748832.80     6450.00          0.02
PALUXY        LOWER PALUXY   897.5*        Max WS    1074305.00      565.47      760.05                  760.09      0.000034
1.79    748835.10     6450.00          0.02
PALUXY        LOWER PALUXY   897.*         Max WS    1069826.00      565.46      760.05                  760.09      0.000034
1.78    748837.80     6450.00          0.02
PALUXY        LOWER PALUXY   896.5*        Max WS    1061540.00      565.45      760.05                  760.09      0.000033
1.77    748839.80     6450.00          0.02
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  PALUXY        LOWER PALUXY   896.*         Max WS    1061540.00      565.44      760.05                  760.09     0.000033
  1.77    748842.20     6450.00           0.02
  PALUXY        LOWER PALUXY   895.5*        Max WS    1069826.00      565.43      760.05                  760.09     0.000034
  1.78    748844.90     6450.00           0.02
  PALUXY        LOWER PALUXY   895.*         Max WS    1061540.00      565.42      760.05                  760.09     0.000033
  1.77    748846.90     6450.00           0.02
  PALUXY        LOWER PALUXY   894.5*        Max WS    1061540.00      565.41      760.05                  760.09     0.000033
  1.77    748848.90     6450.00           0.02
  PALUXY        LOWER PALUXY   894.*         Max WS    1069826.00      565.40      760.05                  760.09     0.000034
  1.78    748851.60     6450.00           0.02
  PALUXY        LOWER PALUXY   893.5*        Max WS    1069826.00      565.39      760.05                  760.09     0.000034
  1.78    748854.40     6450.00           0.02
  PALUXY        LOWER PALUXY   893.*         Max WS    1074305.00      565.38      760.05                  760.09     0.000034
  1.79    748856.70     6450.00           0.02
  PALUXY        LOWER PALUXY   892.5*        Max WS    1074305.00      565.37      760.05                  760.09     0.000034
  1.79    748859.40     6450.00           0.02
  PALUXY        LOWER PALUXY   892.*         Max WS    1061540.00      565.36      760.05                  760.09     0.000033
  1.77    748861.40     6450.00           0.02
  PALUXY        LOWER PALUXY   891.5*        Max WS    1061540.00      565.35      760.05                  760.09     0.000033
  1.77    748863.40     6450.00           0.02
  PALUXY        LOWER PALUXY   891.*         Max WS    1069826.00      565.34      760.05                  760.09     0.000034
  1.78    748866.10     6450.00           0.02
  PALUXY        LOWER PALUXY   890.5*        Max WS    1069826.00      565.33      760.05                  760.09     0.000034
  1.78    748868.50     6450.00           0.02
  PALUXY        LOWER PALUXY   890.*         Max WS    1061540.00      565.32      760.05                  760.09     0.000033
  1.77    748871.30     6450.00           0.02
  PALUXY        LOWER PALUXY   889.5*        Max WS    1051164.00      565.31      760.05                  760.09     0.000033
  1.75    748873.20     6450.00           0.02
  PALUXY        LOWER PALUXY   889.*         Max WS    1069826.00      565.30      760.05                  760.09     0.000034
  1.78    748875.90     6450.00           0.02
  PALUXY        LOWER PALUXY   888.5*        Max WS    1069826.00      565.29      760.05                  760.09     0.000034
  1.78    748877.90     6450.00           0.02
  PALUXY        LOWER PALUXY   888.*         Max WS    1069826.00      565.28      760.05                  760.09     0.000034
  1.78    748880.60     6450.00           0.02
  PALUXY        LOWER PALUXY   887.5*        Max WS    1074305.00      565.27      760.05                  760.09     0.000034
  1.79    748883.00     6450.00           0.02
  PALUXY        LOWER PALUXY   887.*         Max WS    1061540.00      565.26      760.05                  760.09     0.000033
  1.77    748885.80     6450.00           0.02
  PALUXY        LOWER PALUXY   886.5*        Max WS    1061540.00      565.25      760.05                  760.09     0.000033
  1.77    748887.80     6450.00           0.02
  PALUXY        LOWER PALUXY   886.*         Max WS    1069826.00      565.24      760.05                  760.09     0.000034
  1.78    748889.80     6450.00           0.02
  PALUXY        LOWER PALUXY   885.5*        Max WS    1051164.00      565.23      760.05                  760.08     0.000033
  1.75    748892.50     6450.00           0.02
  PALUXY        LOWER PALUXY   885.*         Max WS    1051164.00      565.22      760.05                  760.08     0.000033
  1.75    748894.80     6450.00           0.02
  PALUXY        LOWER PALUXY   884.5*        Max WS    1061540.00      565.21      760.05                  760.09     0.000033
  1.77    748896.80     6450.00           0.02
  PALUXY        LOWER PALUXY   884.*         Max WS    1039093.00      565.20      760.05                  760.08     0.000032
  1.73    748899.50     6450.00           0.02
  PALUXY        LOWER PALUXY   883.5*        Max WS    1069826.00      565.19      760.05                  760.09     0.000034
  1.78    748902.30     6450.00           0.02
  PALUXY        LOWER PALUXY   883.*         Max WS    1069826.00      565.18      760.05                  760.09     0.000034
  1.78    748904.60     6450.00           0.02
  PALUXY        LOWER PALUXY   882.5*        Max WS    1061540.00      565.17      760.05                  760.09     0.000033
  1.77    748907.40     6450.00           0.02
  PALUXY        LOWER PALUXY   882.*         Max WS    1061540.00      565.16      760.05                  760.09     0.000033
  1.77    748909.40     6450.00           0.02
  PALUXY        LOWER PALUXY   881.5*        Max WS    1074305.00      565.15      760.05                  760.09     0.000034
  1.79    748911.30     6450.00           0.02
  PALUXY        LOWER PALUXY   881.*         Max WS    1051164.00      565.14      760.05                  760.08     0.000033
  1.75    748914.10     6450.00           0.02
  PALUXY        LOWER PALUXY   880.5*        Max WS    1061540.00      565.13      760.05                  760.09     0.000033
  1.77    748916.40     6450.00           0.02
  PALUXY        LOWER PALUXY   880.*         Max WS    1039093.00      565.12      760.05                  760.08     0.000032
  1.73    748919.10     6450.00           0.02
  PALUXY        LOWER PALUXY   879.5*        Max WS    1025431.00      565.11      760.05                  760.08     0.000031
  1.71    748921.10     6450.00           0.02
  PALUXY        LOWER PALUXY   879.*         Max WS    1025431.00      565.10      760.05                  760.08     0.000031
  1.71    748923.10     6450.00           0.02
  PALUXY        LOWER PALUXY   878.5*        Max WS    1010449.00      565.09      760.05                  760.08     0.000030
  1.68    748925.80     6450.00           0.02
  PALUXY        LOWER PALUXY   878.*         Max WS    1069826.00      565.08      760.05                  760.09     0.000034
  1.78    748928.60     6450.00           0.02
  PALUXY        LOWER PALUXY   877.5*        Max WS    1061540.00      565.07      760.05                  760.08     0.000033
  1.77    748930.90     6450.00           0.02
  PALUXY        LOWER PALUXY   877.*         Max WS    1051164.00      565.06      760.05                  760.08     0.000033
  1.75    748933.70     6450.00           0.02
  PALUXY        LOWER PALUXY   876.5*        Max WS    1039093.00      565.05      760.05                  760.08     0.000032
  1.73    748935.60     6450.00           0.02
  PALUXY        LOWER PALUXY   876.*         Max WS    1010449.00      565.04      760.05                  760.08     0.000030
  1.68    748937.60     6450.00           0.02
  PALUXY        LOWER PALUXY   875.5*        Max WS     977284.50      565.03      760.05                  760.08     0.000028
  1.63    748940.30     6450.00           0.02
  PALUXY        LOWER PALUXY   875.*         Max WS     904350.20      565.02      760.05                  760.08     0.000024
  1.51    748942.70     6450.00           0.02
  PALUXY        LOWER PALUXY   874.5*        Max WS     600830.60      565.01      760.05                  760.06     0.000011
  1.00    748944.70     6450.00           0.01
  PALUXY        LOWER PALUXY   874           Max WS         10.49      565.00      760.05      565.05      760.05     0.000000
  0.00    748947.40     6450.00           0.00


Profile Output Table - Standard Table 2

  River         Reach          River Sta     Profile   E.G. Elev   W.S. Elev   Vel Head   Frctn Loss   C & E Loss      Q Left   Q
Channel     Q Right   Top Width
                                                          (ft)        (ft)       (ft)         (ft)         (ft)       (cfs)
 (cfs)       (cfs)        (ft)


  SQUAW CREEK   SC             24757         Max WS       760.39      760.39       0.00         0.00                 57552.60
12492.34    30393.77     3426.13
  SQUAW CREEK   SC             24756.*       Max WS       760.39      760.39       0.00         0.00                 57548.88
12498.01    30391.80     3426.13
  SQUAW CREEK   SC             24755.*       Max WS       760.39      760.39       0.00         0.00                 57545.17
12503.68    30389.85     3426.13
  SQUAW CREEK   SC             24754.*       Max WS       760.39      760.39       0.00         0.00                 57541.47
12509.34    30387.89     3426.13
  SQUAW CREEK   SC             24753.*       Max WS       760.39      760.39       0.00         0.00                 57537.71
12515.00    30385.90     3426.13
  SQUAW CREEK   SC             24752.*       Max WS       760.39      760.39       0.00         0.00                 57534.00
12520.65    30383.95     3426.13
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  SQUAW CREEK   SC            24751.*      Max WS      760.39      760.39       0.00        0.00                57530.30
12526.30    30381.99     3426.13
  SQUAW CREEK   SC            24750.*      Max WS      760.39      760.39       0.00        0.00                57526.61
12531.95    30380.04     3426.13
  SQUAW CREEK   SC            24749.*      Max WS      760.39      760.39       0.00        0.00                57522.91
12537.59    30378.09     3426.13
  SQUAW CREEK   SC            24748.*      Max WS      760.39      760.39       0.00        0.00                57519.22
12543.24    30376.14     3426.13
  SQUAW CREEK   SC            24747        Max WS      760.39      760.39       0.00        0.00                57515.54
12548.88    30374.19     3426.13
  SQUAW CREEK   SC            24722.5*     Max WS      760.39      760.39       0.00        0.00                57509.03
12558.40    30370.77     3426.13
  SQUAW CREEK   SC            24698.*      Max WS      760.39      760.39       0.00        0.00                57502.88
12567.37    30367.55     3426.13
  SQUAW CREEK   SC            24673.5*     Max WS      760.39      760.39       0.00        0.00                57496.46
12576.89    30364.16     3426.13
  SQUAW CREEK   SC            24649.*      Max WS      760.39      760.39       0.00        0.00                57489.97
12586.39    30360.74     3426.12
  SQUAW CREEK   SC            24624.5*     Max WS      760.39      760.39       0.00        0.00                57483.85
12595.32    30357.53     3426.12
  SQUAW CREEK   SC            24600        Max WS      760.39      760.39       0.00        0.00                57477.44
12604.81    30354.15     3426.12
  SQUAW CREEK   SC            24576.2*     Max WS      760.39      760.39       0.00        0.00                56194.24
12908.82    31332.94     3439.94
  SQUAW CREEK   SC            24552.4*     Max WS      760.39      760.39       0.00        0.00                54899.32
13219.67    32316.61     3453.78
  SQUAW CREEK   SC            24528.6*     Max WS      760.39      760.39       0.00        0.00                53593.32
13536.77    33305.20     3467.67
  SQUAW CREEK   SC            24504.9*     Max WS      760.39      760.39       0.00        0.00                52272.75
13860.03    34302.12     3481.60
  SQUAW CREEK   SC            24481.1*     Max WS      760.39      760.39       0.00        0.00                50940.25
14190.00    35304.25     3495.50
  SQUAW CREEK   SC            24457.3*     Max WS      760.39      760.39       0.00        0.00                49594.43
14527.23    36312.44     3509.35
  SQUAW CREEK   SC            24433.6*     Max WS      760.39      760.39       0.00        0.00                48238.37
14870.28    37325.15     3523.15
  SQUAW CREEK   SC            24409.8*     Max WS      760.39      760.38       0.00        0.00                46868.37
15219.37    38345.66     3536.94
  SQUAW CREEK   SC            24386.0*     Max WS      760.39      760.38       0.00        0.00                45486.01
15575.15    39371.84     3550.66
  SQUAW CREEK   SC            24362.3*     Max WS      760.39      760.38       0.00        0.00                44091.71
15935.29    40405.61     3564.32
  SQUAW CREEK   SC            24338.5*     Max WS      760.39      760.38       0.00        0.00                42688.17
16302.39    41441.64     3577.81
  SQUAW CREEK   SC            24314.7*     Max WS      760.39      760.38       0.00        0.00                41274.00
16674.15    42483.66     3591.22
  SQUAW CREEK   SC            24291        Max WS      760.39      760.38       0.00        0.00                39849.62
17052.34    43529.44     3604.48
  SQUAW CREEK   SC            23906        Max WS      760.38      760.38       0.00        0.00                31673.65
18393.40    50357.56     3821.27
  SQUAW CREEK   SC            23793.3*     Max WS      760.38      760.38       0.00        0.00                31533.83
15951.10    52937.57     3825.87
  SQUAW CREEK   SC            23680.6*     Max WS      760.38      760.38       0.00        0.00                31497.93
13575.38    55347.09     3834.77
  SQUAW CREEK   SC            23568        Max WS      760.38      760.38       0.00        0.00                31554.24
11281.05    57583.01     3847.22
  SQUAW CREEK   SC            23437.*      Max WS      760.38      760.38       0.00        0.00                27685.67
9034.71    63695.33     4641.21
  SQUAW CREEK   SC            23306.*      Max WS      760.38      760.38       0.00        0.00                25525.96
7772.44    67114.00     5456.53
  SQUAW CREEK   SC            23175.*      Max WS      760.38      760.38       0.00        0.00                23992.09
7002.38    69414.13     6321.77
  SQUAW CREEK   SC            23044        Max WS      760.38      760.38       0.00        0.00                30479.12
8578.05    61347.13     7196.14
  SQUAW CREEK   SC            22997.6*     Max WS      760.38      760.38       0.00        0.00                24182.22
6746.92    69473.57     6904.32
  SQUAW CREEK   SC            22951.3*     Max WS      760.38      760.38       0.00        0.00                25373.70
7018.04    68009.46     6610.65
  SQUAW CREEK   SC            22905.0*     Max WS      760.38      760.38       0.00        0.00                26581.55
7290.65    66527.60     6304.91
  SQUAW CREEK   SC            22858.7*     Max WS      760.38      760.38       0.00        0.00                27684.01
7530.30    65184.08     5953.70
  SQUAW CREEK   SC            22812.4*     Max WS      760.38      760.38       0.00        0.00                28762.49
7758.76    63875.84     5601.50
  SQUAW CREEK   SC            22766.1*     Max WS      760.38      760.38       0.00        0.00                29861.82
7990.65    62543.32     5265.59
  SQUAW CREEK   SC            22719.8*     Max WS      760.38      760.38       0.00        0.00                31275.91
8302.76    60815.93     5006.81
  SQUAW CREEK   SC            22673.5*     Max WS      760.38      760.38       0.00        0.00                32825.72
8646.10    58921.68     4761.67
  SQUAW CREEK   SC            22627.2*     Max WS      760.38      760.38       0.00        0.00                34536.20
9025.50    56830.71     4527.90
  SQUAW CREEK   SC            22580.9*     Max WS      760.38      760.38       0.00        0.00                36431.48
9448.77    54511.15     4303.62
  SQUAW CREEK   SC            22534.6*     Max WS      760.38      760.38       0.00        0.00                38552.31
9923.55    51914.54     4087.46
  SQUAW CREEK   SC            22488.3*     Max WS      760.38      760.38       0.00        0.00                40939.53
10458.81    48991.06     3878.40
  SQUAW CREEK   SC            22442        Max WS      760.38      760.38       0.00        0.00                43648.72
11069.71    45670.07     3675.29
  SQUAW CREEK   SC            21993        Max WS      760.38      760.38       0.00        0.00                58560.94
9984.37    31834.39     3991.25
  SQUAW CREEK   SC            21307        Max WS      760.38      760.38       0.00        0.00                72361.55
15673.04    12329.21     4755.63
  SQUAW CREEK   SC            21209.5*     Max WS      760.38      760.38       0.00        0.00                72771.71
15869.06    11720.33     4951.62
  SQUAW CREEK   SC            21112.*      Max WS      760.38      760.38       0.00        0.00                73153.61
16053.11    11151.68     5150.64
  SQUAW CREEK   SC            21014.5*     Max WS      760.38      760.38       0.00        0.00                73509.09
16228.67    10617.94     5353.04
  SQUAW CREEK   SC            20917.*      Max WS      760.38      760.38       0.00        0.00                73900.39
16409.19    10043.21     5569.31
  SQUAW CREEK   SC            20819.5*     Max WS      760.38      760.38       0.00        0.00                74372.27
16606.97     9370.55     5814.25
  SQUAW CREEK   SC            20722.*      Max WS      760.38      760.38       0.00        0.00                74671.05
16763.84     8911.82     6040.48
  SQUAW CREEK   SC            20624.5*     Max WS      760.38      760.38       0.00        0.00                74902.48
16905.96     8534.95     6263.46
  SQUAW CREEK   SC            20527.*      Max WS      760.38      760.37       0.00        0.00                75085.39
17036.30     8218.40     6484.81
  SQUAW CREEK   SC            20429.5*     Max WS      760.38      760.37       0.00        0.00                75231.91
17158.45     7946.33     6705.60
  SQUAW CREEK   SC            20332.*      Max WS      760.38      760.37       0.00        0.00                75351.55
17272.43     7709.22     6926.82
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  SQUAW CREEK   SC            20234.5*      Max WS       760.38      760.37       0.00         0.00                75445.48
17382.00     7502.01     7149.15
  SQUAW CREEK   SC            20137         Max WS       760.38      760.37       0.00         0.00                67380.33
23226.79     9718.58     7373.33
  SQUAW CREEK   SC            19802         Max WS       760.37      760.37       0.00         0.00                67592.51
17456.82    15266.07     4149.97
  SQUAW CREEK   SC            19213         Max WS       760.37      760.37       0.00         0.00                73465.98
12865.60    13970.81     4110.23
  SQUAW CREEK   SC            18923         Max WS       760.37      760.37       0.00         0.00                55998.83
13155.34    31140.83     4988.37
  SQUAW CREEK   SC            18864         Max WS       760.37      760.37       0.00         0.00                68331.05
5743.99    26218.07     5800.00
  SQUAW CREEK   SC            18691.3*      Max WS       760.37      760.37       0.00         0.00                72758.85
3976.80    23550.65     7466.67
  SQUAW CREEK   SC            18518.6*      Max WS       760.37      760.37       0.00         0.00                75226.82
2803.11    22247.77     9133.33
  SQUAW CREEK   SC            18346         Max WS       760.37      760.37       0.00         0.00                76621.72
1898.13    21747.65    10789.33
  SQUAW CREEK   SC            17925         Max WS       760.37      760.37       0.00         0.00                65554.63
3344.88    31343.40     9114.42
  SQUAW CREEK   SC            17511         Max WS       760.37      760.37       0.00         0.00                61063.60
5711.45    33445.45     9952.33
  SQUAW CREEK   SC            17070         Max WS       760.37      760.37       0.00         0.00                58022.43
2893.44    39275.83    13328.41
  SQUAW CREEK   SC            16659         Max WS       760.37      760.37       0.00         0.00                60821.95
3263.90    36077.45    10981.09
  SQUAW CREEK   SC            16167         Max WS       760.37      760.37       0.00         0.00                62617.73
3334.19    34180.98    10380.15
  SQUAW CREEK   SC            15599         Max WS       760.37      760.37       0.00         0.00                67208.63
3747.24    29142.03    10670.01
  SQUAW CREEK   SC            14801         Max WS       760.37      760.37       0.00         0.00                66253.14
3192.93    30601.53    10794.31
  SQUAW CREEK   SC            14323         Max WS       760.37      760.37       0.00         0.00                68358.36
4783.47    26874.46    11049.01
  SQUAW CREEK   SC            13921         Max WS       760.37      760.37       0.00         0.00                70761.76
4908.18    24319.72    10744.98
  SQUAW CREEK   SC            13504         Max WS       760.37      760.37       0.00         0.00                73523.14
3311.14    23128.31    10558.74
  SQUAW CREEK   SC            13054         Max WS       760.37      760.37       0.00         0.00                72744.59
3443.14    23745.86    10558.74
  SQUAW CREEK   SC            12713         Max WS       760.37      760.37       0.00         0.00                73762.17
3588.03    22562.08    10186.29
  SQUAW CREEK   SC            12301         Max WS       760.37      760.37       0.00         0.00                76482.54
6410.16    16994.30    10600.00
  SQUAW CREEK   SC            11565         Max WS       760.37      760.37       0.00         0.00                80284.88
7034.19    12520.70    11600.00
  SQUAW CREEK   SC            11411         Max WS       760.37      760.37       0.00         0.00                80257.25
7070.71    12501.71    11600.00
  SQUAW CREEK   SC            11002         Max WS       760.37      760.37       0.00         0.00                75961.63
5978.33    17864.86    10800.00
  SQUAW CREEK   SC            10578         Max WS       760.37      760.37       0.00         0.00                73201.12
4552.24    22027.43    10800.00
  SQUAW CREEK   SC            10312         Max WS       760.37      760.37       0.00         0.00                72967.82
2669.71    24127.83    11700.00
  SQUAW CREEK   SC            10023         Max WS       760.37      760.37       0.00         0.00                66692.46
3520.81    29535.30    10400.00
  SQUAW CREEK   SC            9191          Max WS       760.37      760.37       0.00         0.00                66936.01
1676.53    31088.28    11900.00
  SQUAW CREEK   SC            8809          Max WS       760.37      760.37       0.00         0.00                69946.77
2808.75    26921.65    13000.00
  SQUAW CREEK   SC            8282          Max WS       760.37      760.37       0.00         0.00                65925.45
2001.14    31715.63    13200.00
  SQUAW CREEK   SC            7678          Max WS       760.37      760.37       0.00         0.00                61709.52
4860.75    33031.25    13000.00
  SQUAW CREEK   SC            7370          Max WS       760.37      760.37       0.00         0.00                66325.92
3450.25    29805.19    12000.00
  SQUAW CREEK   SC            6699          Max WS       760.37      760.37       0.00         0.00                64140.59
5108.23    30288.93    12200.00
  SQUAW CREEK   SC            5861          Max WS       760.37      760.37       0.00         0.00                59589.21
4135.13    35755.25    13200.00
  SQUAW CREEK   SC            5194          Max WS       760.37      760.37       0.00         0.00                64681.11
6035.41    28718.20    12000.00
  SQUAW CREEK   SC            4720          Max WS       760.37      760.37       0.00         0.00                67628.25
5319.83    26456.34    13200.00
  SQUAW CREEK   SC            4673.5*       Max WS       760.37      760.37       0.00         0.00                67680.45
5549.17    26171.79    13120.00
  SQUAW CREEK   SC            4627.*        Max WS       760.37      760.37       0.00         0.00                67768.71
5778.57    25851.10    13040.00
  SQUAW CREEK   SC            4580.5*       Max WS       760.37      760.37       0.00         0.00                67895.31
6008.69    25491.38    12960.00
  SQUAW CREEK   SC            4534.*        Max WS       760.37      760.37       0.00         0.00                68059.42
6240.00    25092.96    12880.00
  SQUAW CREEK   SC            4487.5*       Max WS       760.37      760.37       0.00         0.00                68262.33
6473.08    24653.96    12800.00
  SQUAW CREEK   SC            4441.*        Max WS       760.37      760.37       0.00         0.00                68504.01
6708.37    24173.97    12720.00
  SQUAW CREEK   SC            4394.5*       Max WS       760.37      760.37       0.00         0.00                68786.94
6946.43    23649.98    12640.00
  SQUAW CREEK   SC            4348.*        Max WS       760.37      760.37       0.00         0.00                69111.49
7187.66    23081.21    12560.00
  SQUAW CREEK   SC            4301.5*       Max WS       760.37      760.37       0.00         0.00                69479.08
7432.84    22465.47    12480.00
  SQUAW CREEK   SC            4255          Max WS       760.37      760.37       0.00         0.00                69891.58
7682.45    21800.38    12400.00
  SQUAW CREEK   SC            4209.5*       Max WS       760.37      760.37       0.00         0.00                70423.01
7348.34    21600.18    12400.00
  SQUAW CREEK   SC            4164.*        Max WS       760.37      760.37       0.00         0.00                70958.30
7010.03    21400.33    12400.00
  SQUAW CREEK   SC            4118.5*       Max WS       760.37      760.37       0.00         0.00                71499.24
6667.11    21199.46    12400.00
  SQUAW CREEK   SC            4073.*        Max WS       760.37      760.37       0.00         0.00                72044.95
6318.76    20999.28    12400.00
  SQUAW CREEK   SC            4027.5*       Max WS       760.37      760.37       0.00         0.00                72596.56
5965.17    20798.40    12400.00
  SQUAW CREEK   SC            3982.*        Max WS       760.37      760.37       0.00         0.00                73153.42
5605.84    20597.98    12400.00
  SQUAW CREEK   SC            3936.5*       Max WS       760.37      760.37       0.00         0.00                73718.51
5239.00    20396.87    12400.00
  SQUAW CREEK   SC            3891          Max WS       760.37      760.37       0.00         0.00                74293.75
4859.80    20197.99    12400.00
  SQUAW CREEK   SC            3443          Max WS       760.37      760.37       0.00         0.00                73186.52
5053.60    21082.60    13200.00
  SQUAW CREEK   SC            3300          Max WS       760.37      760.37       0.00         0.00                75472.84
2620.26    21220.11    13200.00
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  SQUAW CREEK   SC            3057          Max WS       760.37      760.37       0.00         0.00                73570.27
2566.19    23160.50    13600.00
  SQUAW CREEK   SC            2930          Max WS       760.37      760.37       0.00         0.00                73712.44
2582.91    22993.19    13600.00
  SQUAW CREEK   SC            2688          Max WS       760.37      760.37       0.00         0.00                71942.13
3677.42    23652.95    14000.00
  SQUAW CREEK   SC            2449          Max WS       760.37      760.37       0.00         0.00                71169.52
3653.99    24432.81    13600.00
  SQUAW CREEK   SC            2196          Max WS       760.37      760.37       0.00         0.00                71256.43
3674.39    24308.34    13600.00
  SQUAW CREEK   SC            2171.*        Max WS       760.37      760.37       0.00         0.00                71108.73
3793.20    24335.54    13680.00
  SQUAW CREEK   SC            2146.*        Max WS       760.37      760.37       0.00         0.00                70966.91
3910.94    24357.93    13760.00
  SQUAW CREEK   SC            2121.*        Max WS       760.37      760.37       0.00         0.00                70828.93
4027.69    24377.49    13840.00
  SQUAW CREEK   SC            2096.*        Max WS       760.37      760.37       0.00         0.00                70695.25
4143.60    24393.57    13920.00
  SQUAW CREEK   SC            2071.*        Max WS       760.37      760.37       0.00         0.00                70566.85
4258.71    24405.17    14000.00
  SQUAW CREEK   SC            2046.*        Max WS       760.37      760.37       0.00         0.00                70442.25
4373.05    24413.73    14080.00
  SQUAW CREEK   SC            2021.*        Max WS       760.37      760.37       0.00         0.00                70321.38
4486.78    24419.14    14160.00
  SQUAW CREEK   SC            1996.*        Max WS       760.37      760.37       0.00         0.00                70204.59
4599.93    24421.08    14240.00
  SQUAW CREEK   SC            1971.*        Max WS       760.37      760.37       0.00         0.00                70092.53
4712.46    24418.91    14320.00
  SQUAW CREEK   SC            1946          Max WS       760.37      760.37       0.00         0.00                69983.65
4824.49    24414.06    14400.00
  SQUAW CREEK   SC            1941.04*      Max WS       760.37      760.37       0.00         0.00                69960.13
4823.38    24438.35    14401.23
  SQUAW CREEK   SC            1936.09*      Max WS       760.37      760.37       0.00         0.00                69937.13
4822.56    24461.84    14402.47
  SQUAW CREEK   SC            1931.14*      Max WS       760.37      760.37       0.00         0.00                69913.94
4821.47    24485.78    14403.70
  SQUAW CREEK   SC            1926.19*      Max WS       760.37      760.37       0.00         0.00                69890.20
4820.59    24510.06    14404.94
  SQUAW CREEK   SC            1921.24*      Max WS       760.37      760.37       0.00         0.00                69867.38
4819.52    24533.62    14406.17
  SQUAW CREEK   SC            1916.29*      Max WS       760.37      760.37       0.00         0.00                69843.77
4818.66    24557.74    14407.41
  SQUAW CREEK   SC            1911.34*      Max WS       760.37      760.37       0.00         0.00                69820.18
4817.54    24582.14    14408.64
  SQUAW CREEK   SC            1906.39*      Max WS       760.37      760.37       0.00         0.00                69797.23
4816.71    24605.58    14409.88
  SQUAW CREEK   SC            1901.44*      Max WS       760.37      760.37       0.00         0.00                69773.88
4815.61    24629.70    14411.11
  SQUAW CREEK   SC            1896.49*      Max WS       760.37      760.37       0.00         0.00                69750.45
4814.75    24653.64    14412.35
  SQUAW CREEK   SC            1891.54*      Max WS       760.37      760.37       0.00         0.00                69727.74
4813.69    24677.08    14413.58
  SQUAW CREEK   SC            1886.59*      Max WS       760.37      760.37       0.00         0.00                69704.18
4812.83    24701.17    14414.81
  SQUAW CREEK   SC            1881.64*      Max WS       760.37      760.37       0.00         0.00                69680.64
4811.71    24725.49    14416.05
  SQUAW CREEK   SC            1876.69*      Max WS       760.37      760.37       0.00         0.00                69657.22
4810.85    24749.44    14417.28
  SQUAW CREEK   SC            1871.74*      Max WS       760.37      760.37       0.00         0.00                69634.34
4809.77    24773.04    14418.52
  SQUAW CREEK   SC            1866.79*      Max WS       760.37      760.37       0.00         0.00                69610.87
4808.91    24797.07    14419.75
  SQUAW CREEK   SC            1861.83*      Max WS       760.37      760.37       0.00         0.00                69587.40
4807.79    24821.31    14420.99
  SQUAW CREEK   SC            1856.88*      Max WS       760.37      760.37       0.00         0.00                69564.68
4806.73    24844.75    14422.22
  SQUAW CREEK   SC            1851.93*      Max WS       760.37      760.37       0.00         0.00                69541.16
4805.86    24868.80    14423.46
  SQUAW CREEK   SC            1846.98*      Max WS       760.37      760.37       0.00         0.00                69517.64
4804.74    24893.11    14424.69
  SQUAW CREEK   SC            1842.03*      Max WS       760.37      760.37       0.00         0.00                69494.71
4803.91    24916.53    14425.93
  SQUAW CREEK   SC            1837.08*      Max WS       760.37      760.37       0.00         0.00                69471.45
4802.81    24940.56    14427.16
  SQUAW CREEK   SC            1832.13*      Max WS       760.37      760.37       0.00         0.00                69447.90
4801.94    24964.66    14428.40
  SQUAW CREEK   SC            1827.18*      Max WS       760.37      760.37       0.00         0.00                69424.84
4800.85    24988.46    14429.63
  SQUAW CREEK   SC            1822.23*      Max WS       760.37      760.37       0.00         0.00                69401.55
4799.99    25012.28    14430.86
  SQUAW CREEK   SC            1817.28*      Max WS       760.37      760.37       0.00         0.00                69377.97
4798.86    25036.64    14432.10
  SQUAW CREEK   SC            1812.33*      Max WS       760.37      760.37       0.00         0.00                69355.39
4798.06    25059.70    14433.33
  SQUAW CREEK   SC            1807.38*      Max WS       760.37      760.37       0.00         0.00                69332.02
4796.94    25083.85    14434.57
  SQUAW CREEK   SC            1802.43*      Max WS       760.37      760.37       0.00         0.00                69308.61
4796.08    25107.79    14435.80
  SQUAW CREEK   SC            1797.48*      Max WS       760.37      760.37       0.00         0.00                69285.98
4795.01    25131.15    14437.04
  SQUAW CREEK   SC            1792.53*      Max WS       760.37      760.37       0.00         0.00                69262.37
4794.13    25155.32    14438.27
  SQUAW CREEK   SC            1787.58*      Max WS       760.37      760.37       0.00         0.00                69239.27
4793.03    25179.18    14439.51
  SQUAW CREEK   SC            1782.63*      Max WS       760.37      760.37       0.00         0.00                69216.29
4791.95    25202.90    14440.74
  SQUAW CREEK   SC            1777.67*      Max WS       760.37      760.37       0.00         0.00                69192.72
4791.07    25227.02    14441.98
  SQUAW CREEK   SC            1772.72*      Max WS       760.37      760.37       0.00         0.00                69169.48
4789.96    25251.03    14443.21
  SQUAW CREEK   SC            1767.77*      Max WS       760.37      760.37       0.00         0.00                69145.92
4789.08    25275.14    14444.44
  SQUAW CREEK   SC            1762.82*      Max WS       760.37      760.37       0.00         0.00                69123.28
4788.01    25298.51    14445.68
  SQUAW CREEK   SC            1757.87*      Max WS       760.37      760.37       0.00         0.00                69099.91
4787.15    25322.41    14446.91
  SQUAW CREEK   SC            1752.92*      Max WS       760.37      760.37       0.00         0.00                69076.64
4786.03    25346.46    14448.15
  SQUAW CREEK   SC            1747.97*      Max WS       760.37      760.37       0.00         0.00                69053.75
4785.20    25369.85    14449.38
  SQUAW CREEK   SC            1743.02*      Max WS       760.37      760.37       0.00         0.00                69030.46
4784.09    25393.93    14450.62
  SQUAW CREEK   SC            1738.07*      Max WS       760.37      760.37       0.00         0.00                69006.92
4783.20    25418.00    14451.85
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  SQUAW CREEK   SC            1733.12*      Max WS       760.37      760.37       0.00         0.00                68984.30
4782.14    25441.36    14453.09
  SQUAW CREEK   SC            1728.17*      Max WS       760.37      760.37       0.00         0.00                68960.77
4781.26    25465.44    14454.32
  SQUAW CREEK   SC            1723.22*      Max WS       760.37      760.37       0.00         0.00                68937.58
4780.15    25489.41    14455.56
  SQUAW CREEK   SC            1718.27*      Max WS       760.37      760.37       0.00         0.00                68914.63
4779.30    25512.86    14456.79
  SQUAW CREEK   SC            1713.32*      Max WS       760.37      760.37       0.00         0.00                68891.23
4778.18    25537.05    14458.02
  SQUAW CREEK   SC            1708.37*      Max WS       760.37      760.37       0.00         0.00                68868.08
4777.32    25560.73    14459.26
  SQUAW CREEK   SC            1703.42*      Max WS       760.37      760.37       0.00         0.00                68845.33
4776.24    25584.23    14460.49
  SQUAW CREEK   SC            1698.46*      Max WS       760.37      760.37       0.00         0.00                68822.27
4775.14    25608.04    14461.73
  SQUAW CREEK   SC            1693.51*      Max WS       760.37      760.37       0.00         0.00                68798.84
4774.26    25632.03    14462.96
  SQUAW CREEK   SC            1688.56*      Max WS       760.37      760.37       0.00         0.00                68776.13
4773.19    25655.49    14464.20
  SQUAW CREEK   SC            1683.61*      Max WS       760.37      760.37       0.00         0.00                68752.50
4772.29    25679.67    14465.43
  SQUAW CREEK   SC            1678.66*      Max WS       760.37      760.37       0.00         0.00                68729.46
4771.19    25703.48    14466.67
  SQUAW CREEK   SC            1673.71*      Max WS       760.37      760.37       0.00         0.00                68706.75
4770.36    25726.69    14467.90
  SQUAW CREEK   SC            1668.76*      Max WS       760.37      760.37       0.00         0.00                68683.54
4769.25    25750.69    14469.14
  SQUAW CREEK   SC            1663.81*      Max WS       760.37      760.37       0.00         0.00                68660.02
4768.36    25774.76    14470.37
  SQUAW CREEK   SC            1658.86*      Max WS       760.37      760.37       0.00         0.00                68637.27
4767.27    25798.26    14471.60
  SQUAW CREEK   SC            1653.91*      Max WS       760.37      760.37       0.00         0.00                68613.91
4766.40    25822.17    14472.84
  SQUAW CREEK   SC            1648.96*      Max WS       760.37      760.37       0.00         0.00                68590.78
4765.29    25846.08    14474.07
  SQUAW CREEK   SC            1644.01*      Max WS       760.37      760.37       0.00         0.00                68567.30
4764.40    25870.09    14475.31
  SQUAW CREEK   SC            1639.06*      Max WS       760.37      760.37       0.00         0.00                68544.77
4763.33    25893.38    14476.54
  SQUAW CREEK   SC            1634.11*      Max WS       760.37      760.37       0.00         0.00                68521.31
4762.44    25917.39    14477.78
  SQUAW CREEK   SC            1629.16*      Max WS       760.37      760.37       0.00         0.00                68498.33
4761.34    25941.14    14479.01
  SQUAW CREEK   SC            1624.21*      Max WS       760.37      760.37       0.00         0.00                68475.57
4760.25    25964.65    14480.25
  SQUAW CREEK   SC            1619.25*      Max WS       760.37      760.37       0.00         0.00                68452.11
4759.37    25988.68    14481.48
  SQUAW CREEK   SC            1614.30*      Max WS       760.37      760.37       0.00         0.00                68429.36
4758.28    26012.17    14482.72
  SQUAW CREEK   SC            1609.35*      Max WS       760.37      760.37       0.00         0.00                68406.54
4757.43    26035.51    14483.95
  SQUAW CREEK   SC            1604.40*      Max WS       760.37      760.37       0.00         0.00                68383.35
4756.32    26059.49    14485.19
  SQUAW CREEK   SC            1599.45*      Max WS       760.37      760.37       0.00         0.00                68359.86
4755.42    26083.54    14486.42
  SQUAW CREEK   SC            1594.50*      Max WS       760.37      760.37       0.00         0.00                68337.18
4754.34    26106.97    14487.65
  SQUAW CREEK   SC            1589.55*      Max WS       760.37      760.37       0.00         0.00                68313.94
4753.46    26130.75    14488.89
  SQUAW CREEK   SC            1584.60*      Max WS       760.37      760.37       0.00         0.00                68290.92
4752.36    26154.55    14490.12
  SQUAW CREEK   SC            1579.65*      Max WS       760.37      760.37       0.00         0.00                68268.19
4751.51    26177.80    14491.36
  SQUAW CREEK   SC            1574.70*      Max WS       760.37      760.37       0.00         0.00                68244.98
4750.39    26201.80    14492.59
  SQUAW CREEK   SC            1569.75*      Max WS       760.37      760.37       0.00         0.00                68221.58
4749.50    26225.76    14493.83
  SQUAW CREEK   SC            1564.80*      Max WS       760.37      760.37       0.00         0.00                68199.04
4748.43    26249.04    14495.06
  SQUAW CREEK   SC            1559.85*      Max WS       760.37      760.37       0.00         0.00                68175.76
4747.54    26272.87    14496.30
  SQUAW CREEK   SC            1554.90*      Max WS       760.37      760.37       0.00         0.00                68152.60
4746.42    26296.83    14497.53
  SQUAW CREEK   SC            1549.95*      Max WS       760.37      760.37       0.00         0.00                68129.98
4745.59    26319.96    14498.77
  SQUAW CREEK   SC            1545          Max WS       760.37      760.37       0.00         0.00                68106.80
4744.46    26343.93    14500.00
  SQUAW CREEK   SC            1535.26*      Max WS       760.37      760.37       0.00         0.00                68021.66
4770.16    26402.71    14529.41
  SQUAW CREEK   SC            1525.52*      Max WS       760.37      760.37       0.00         0.00                67937.16
4795.78    26460.96    14558.82
  SQUAW CREEK   SC            1515.79*      Max WS       760.37      760.37       0.00         0.00                67853.65
4821.11    26518.48    14588.24
  SQUAW CREEK   SC            1506.05*      Max WS       760.37      760.37       0.00         0.00                67770.86
4846.45    26575.29    14617.65
  SQUAW CREEK   SC            1496.32*      Max WS       760.37      760.37       0.00         0.00                67688.63
4871.80    26631.51    14647.06
  SQUAW CREEK   SC            1486.58*      Max WS       760.37      760.37       0.00         0.00                67607.02
4896.94    26687.33    14676.47
  SQUAW CREEK   SC            1476.85*      Max WS       760.37      760.37       0.00         0.00                67526.51
4921.90    26742.23    14705.88
  SQUAW CREEK   SC            1467.11*      Max WS       760.37      760.37       0.00         0.00                67446.26
4946.97    26796.75    14735.29
  SQUAW CREEK   SC            1457.38*      Max WS       760.37      760.37       0.00         0.00                67367.23
4971.58    26850.52    14764.71
  SQUAW CREEK   SC            1447.64*      Max WS       760.37      760.37       0.00         0.00                67288.68
4996.48    26903.51    14794.12
  SQUAW CREEK   SC            1437.91*      Max WS       760.37      760.37       0.00         0.00                67211.07
5021.08    26955.88    14823.53
  SQUAW CREEK   SC            1428.17*      Max WS       760.37      760.37       0.00         0.00                67133.29
5045.73    27008.34    14852.94
  SQUAW CREEK   SC            1418.44*      Max WS       760.37      760.37       0.00         0.00                67056.72
5070.40    27059.57    14882.35
  SQUAW CREEK   SC            1408.70*      Max WS       760.37      760.37       0.00         0.00                66980.83
5094.84    27110.34    14911.76
  SQUAW CREEK   SC            1398.97*      Max WS       760.37      760.37       0.00         0.00                66905.85
5119.12    27160.36    14941.18
  SQUAW CREEK   SC            1389.23*      Max WS       760.37      760.37       0.00         0.00                66831.45
5143.61    27209.57    14970.59
  SQUAW CREEK   SC            1379.5*       Max WS       760.37      760.37       0.00         0.00                66757.75
5167.84    27258.37    15000.00
  SQUAW CREEK   SC            1369.76*      Max WS       760.37      760.37       0.00         0.00                66684.35
5192.02    27306.89    15029.41
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  SQUAW CREEK   SC             1360.02*      Max WS       760.37      760.37       0.00         0.00                 66610.92
5216.19    27355.46    15058.82
  SQUAW CREEK   SC             1350.29*      Max WS       760.37      760.37       0.00         0.00                 66539.15
5240.12    27402.62    15088.24
  SQUAW CREEK   SC             1340.55*      Max WS       760.37      760.37       0.00         0.00                 66467.63
5264.09    27449.48    15117.65
  SQUAW CREEK   SC             1330.82*      Max WS       760.37      760.37       0.00         0.00                 66396.68
5288.15    27495.68    15147.06
  SQUAW CREEK   SC             1321.08*      Max WS       760.37      760.37       0.00         0.00                 66327.00
5312.02    27540.81    15176.47
  SQUAW CREEK   SC             1311.35*      Max WS       760.37      760.37       0.00         0.00                 66257.75
5335.66    27585.72    15205.88
  SQUAW CREEK   SC             1301.61*      Max WS       760.37      760.37       0.00         0.00                 66188.67
5359.48    27630.29    15235.29
  SQUAW CREEK   SC             1291.88*      Max WS       760.37      760.37       0.00         0.00                 66120.47
5382.87    27674.41    15264.71
  SQUAW CREEK   SC             1282.14*      Max WS       760.37      760.37       0.00         0.00                 66052.58
5406.54    27717.94    15294.12
  SQUAW CREEK   SC             1272.41*      Max WS       760.37      760.37       0.00         0.00                 65985.47
5429.99    27760.91    15323.53
  SQUAW CREEK   SC             1262.67*      Max WS       760.37      760.37       0.00         0.00                 65917.95
5453.43    27804.30    15352.94
  SQUAW CREEK   SC             1252.94*      Max WS       760.37      760.37       0.00         0.00                 65851.81
5476.96    27846.21    15382.35
  SQUAW CREEK   SC             1243.20*      Max WS       760.37      760.37       0.00         0.00                 65786.98
5500.35    27886.97    15411.76
  SQUAW CREEK   SC             1233.47*      Max WS       760.37      760.37       0.00         0.00                 65722.52
5523.54    27927.54    15441.18
  SQUAW CREEK   SC             1223.73*      Max WS       760.37      760.37       0.00         0.00                 65657.79
5546.88    27968.24    15470.59
  SQUAW CREEK   SC             1214          Max WS       760.37      760.37       0.00         0.00                 65593.93
5570.10    28008.18    15500.00
  SQUAW CREEK   SC             1211.05*      Max WS       760.37      760.37       0.00         0.00                 70564.91
5994.11    30130.76    15500.00
  SQUAW CREEK   SC             1208.11*      Max WS       760.37      760.37       0.00         0.00                 70563.54
5995.88    30130.18    15500.00
  SQUAW CREEK   SC             1205.17*      Max WS       760.37      760.37       0.00         0.00                 70562.16
5997.65    30129.59    15500.00
  SQUAW CREEK   SC             1202.23*      Max WS       760.37      760.37       0.00         0.00                 70560.78
5999.42    30129.00    15500.00
  SQUAW CREEK   SC             1199.29*      Max WS       760.37      760.37       0.00         0.00                 70559.61
6000.89    30128.50    15500.00
  SQUAW CREEK   SC             1196.35*      Max WS       760.37      760.37       0.00         0.00                 70558.23
6002.66    30127.91    15500.00
  SQUAW CREEK   SC             1193.41*      Max WS       760.37      760.37       0.00         0.00                 70556.85
6004.43    30127.32    15500.00
  SQUAW CREEK   SC             1190.47*      Max WS       760.37      760.37       0.00         0.00                 70555.48
6006.20    30126.73    15500.00
  SQUAW CREEK   SC             1187.52*      Max WS       760.37      760.37       0.00         0.00                 70554.03
6007.96    30126.11    15500.00
  SQUAW CREEK   SC             1184.58*      Max WS       760.37      760.37       0.00         0.00                 70552.65
6009.73    30125.52    15500.00
  SQUAW CREEK   SC             1181.64*      Max WS       760.37      760.37       0.00         0.00                 70551.27
6011.49    30124.94    15500.00
  SQUAW CREEK   SC             1178.70*      Max WS       760.37      760.37       0.00         0.00                 70549.89
6013.26    30124.35    15500.00
  SQUAW CREEK   SC             1175.76*      Max WS       760.37      760.37       0.00         0.00                 70548.72
6014.73    30123.85    15500.00
  SQUAW CREEK   SC             1172.82*      Max WS       760.37      760.37       0.00         0.00                 70547.34
6016.50    30123.26    15500.00
  SQUAW CREEK   SC             1169.88*      Max WS       760.37      760.37       0.00         0.00                 70545.96
6018.26    30122.67    15500.00
  SQUAW CREEK   SC             1166.94*      Max WS       760.37      760.37       0.00         0.00                 70544.59
6020.03    30122.08    15500.00
  SQUAW CREEK   SC             1164          Max WS       760.37      760.37       0.00         0.00         0.00    70543.05
6021.90    30121.55    15500.00
  PALUXY        PALUXY RIVER   25092         Max WS       762.89      762.82       0.07         0.24                356041.80
118514.00   469873.70     4400.00
  PALUXY        PALUXY RIVER   22745         Max WS       762.51      762.44       0.07         0.16                509275.00
138414.40   296567.80     4600.00
  PALUXY        PALUXY RIVER   21047         Max WS       761.81      761.74       0.06         0.12                683040.10
153072.40   108035.30     5200.00
  PALUXY        PALUXY RIVER   19331         Max WS       761.28      761.24       0.04         0.11                593344.10
96066.09   254677.30     6300.00
  PALUXY        PALUXY RIVER   17277         Max WS       761.06      761.02       0.04         0.10                408501.30
165383.60   370165.80     5600.00
  PALUXY        PALUXY RIVER   15741         Max WS       760.88      760.83       0.05         0.07                332705.40
152782.60   458546.00     5600.00
  PALUXY        PALUXY RIVER   14471         Max WS       760.76      760.72       0.04         0.01                475027.50
148912.80   320083.60     5200.00
  PALUXY        PALUXY RIVER   14325.1*      Max WS       760.75      760.71       0.04         0.01                507631.30
138426.30   297965.20     5492.86
  PALUXY        PALUXY RIVER   14179.2*      Max WS       760.74      760.71       0.03         0.01                537685.30
128737.40   277598.50     5785.71
  PALUXY        PALUXY RIVER   14033.4*      Max WS       760.73      760.70       0.03         0.00                565395.00
119784.40   258840.00     6078.57
  PALUXY        PALUXY RIVER   13887.5*      Max WS       760.72      760.70       0.03         0.00                590979.60
111503.30   241534.60     6371.43
  PALUXY        PALUXY RIVER   13741.7*      Max WS       760.72      760.69       0.02         0.00                614586.20
103847.60   225581.60     6664.29
  PALUXY        PALUXY RIVER   13595.8*      Max WS       760.71      760.69       0.02         0.00                636412.90
96758.80   210841.20     6957.14
  PALUXY        PALUXY RIVER   13450         Max WS       760.71      760.69       0.02         0.02                656588.60
90192.42   197229.20     7250.00
  PALUXY        PALUXY RIVER   12129         Max WS       760.67      760.65       0.01         0.01                855212.30
68366.21    20401.38     8075.37
  PALUXY        PALUXY RIVER   11391         Max WS       760.65      760.63       0.02         0.00                855734.40
78016.41    10209.23     6850.00
  PALUXY        PALUXY RIVER   11366.1*      Max WS       760.65      760.63       0.02         0.00                851931.20
78107.53    13920.65     6868.50
  PALUXY        PALUXY RIVER   11341.3*      Max WS       760.65      760.63       0.02         0.00                848101.40
78196.23    17661.13     6887.00
  PALUXY        PALUXY RIVER   11316.4*      Max WS       760.65      760.63       0.02         0.00                844255.80
78284.09    21418.11     6905.50
  PALUXY        PALUXY RIVER   11291.6*      Max WS       760.65      760.63       0.02         0.00                840396.60
78370.69    25190.07     6924.00
  PALUXY        PALUXY RIVER   11266.8*      Max WS       760.65      760.63       0.02         0.00                836523.40
78455.62    28977.69     6942.50
  PALUXY        PALUXY RIVER   11241.9*      Max WS       760.65      760.63       0.02         0.00                832635.10
78539.27    32781.66     6961.00
  PALUXY        PALUXY RIVER   11217.1*      Max WS       760.65      760.63       0.02         0.00                828729.70
78621.20    36604.42     6979.50
  PALUXY        PALUXY RIVER   11192.2*      Max WS       760.64      760.63       0.02         0.00                824804.40
78703.00    40447.21     6998.00
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  PALUXY        PALUXY RIVER   11167.4*      Max WS       760.64      760.63       0.02         0.00                820861.60
78781.40    44310.95     7016.50
  PALUXY        PALUXY RIVER   11142.6*      Max WS       760.64      760.63       0.02         0.00                816898.60
78858.62    48196.16     7035.00
  PALUXY        PALUXY RIVER   11117.7*      Max WS       760.64      760.63       0.02         0.00                812916.30
78934.13    52102.14     7053.50
  PALUXY        PALUXY RIVER   11092.9*      Max WS       760.64      760.63       0.02         0.00                808912.40
79007.98    56031.50     7072.00
  PALUXY        PALUXY RIVER   11068.0*      Max WS       760.64      760.62       0.02         0.00                804887.80
79080.27    59983.08     7090.50
  PALUXY        PALUXY RIVER   11043.2*      Max WS       760.64      760.62       0.02         0.00                800844.30
79149.91    63956.14     7109.00
  PALUXY        PALUXY RIVER   11018.4*      Max WS       760.64      760.62       0.02         0.00                796779.60
79217.70    67952.33     7127.50
  PALUXY        PALUXY RIVER   10993.5*      Max WS       760.64      760.62       0.02         0.00                792695.00
79283.11    71970.79     7146.00
  PALUXY        PALUXY RIVER   10968.7*      Max WS       760.64      760.62       0.02         0.00                788588.40
79347.88    76011.94     7164.50
  PALUXY        PALUXY RIVER   10943.8*      Max WS       760.64      760.62       0.02         0.00                784463.10
79409.39    80074.88     7183.00
  PALUXY        PALUXY RIVER   10919.0*      Max WS       760.64      760.62       0.02         0.00                780316.30
79469.41    84160.98     7201.50
  PALUXY        PALUXY RIVER   10894.2*      Max WS       760.64      760.62       0.02         0.00                776151.40
79527.33    88267.31     7220.00
  PALUXY        PALUXY RIVER   10869.3*      Max WS       760.64      760.62       0.02         0.00                771965.50
79582.70    92397.09     7238.50
  PALUXY        PALUXY RIVER   10844.5*      Max WS       760.64      760.62       0.02         0.00                767756.20
79637.68    96550.59     7257.00
  PALUXY        PALUXY RIVER   10819.6*      Max WS       760.63      760.62       0.02         0.00                763533.30
79689.22   100721.30     7275.50
  PALUXY        PALUXY RIVER   10794.8*      Max WS       760.63      760.62       0.02         0.00                759288.60
79739.20   104915.20     7294.00
  PALUXY        PALUXY RIVER   10770.*       Max WS       760.63      760.62       0.02         0.00                755027.80
79786.70   109127.80     7312.50
  PALUXY        PALUXY RIVER   10745.1*      Max WS       760.63      760.62       0.02         0.00                750745.70
79831.73   113363.90     7331.00
  PALUXY        PALUXY RIVER   10720.3*      Max WS       760.63      760.62       0.02         0.00                746443.60
79875.59   117621.50     7349.50
  PALUXY        PALUXY RIVER   10695.4*      Max WS       760.63      760.62       0.02         0.00                742125.40
79917.58   121897.00     7368.00
  PALUXY        PALUXY RIVER   10670.6*      Max WS       760.63      760.61       0.02         0.00                737788.60
79956.89   126193.70     7386.50
  PALUXY        PALUXY RIVER   10645.8*      Max WS       760.63      760.61       0.02         0.00                733434.90
79993.96   130509.50     7405.00
  PALUXY        PALUXY RIVER   10620.9*      Max WS       760.63      760.61       0.02         0.00                729065.40
80028.89   134843.30     7423.50
  PALUXY        PALUXY RIVER   10596.1*      Max WS       760.63      760.61       0.02         0.00                724675.80
80062.41   139198.60     7442.00
  PALUXY        PALUXY RIVER   10571.2*      Max WS       760.63      760.61       0.02         0.00                720269.60
80093.72   143572.60     7460.50
  PALUXY        PALUXY RIVER   10546.4*      Max WS       760.63      760.61       0.02         0.00                715849.80
80122.58   147962.80     7479.00
  PALUXY        PALUXY RIVER   10521.6*      Max WS       760.63      760.61       0.02         0.00                711411.60
80149.36   152373.30     7497.50
  PALUXY        PALUXY RIVER   10496.7*      Max WS       760.63      760.61       0.02         0.00                706957.70
80174.23   156801.60     7516.00
  PALUXY        PALUXY RIVER   10471.9*      Max WS       760.63      760.61       0.02         0.00                702488.20
80197.72   161246.70     7534.50
  PALUXY        PALUXY RIVER   10447.0*      Max WS       760.62      760.61       0.02         0.00                698003.80
80218.24   165709.70     7553.00
  PALUXY        PALUXY RIVER   10422.2*      Max WS       760.62      760.61       0.02         0.00                693503.70
80236.43   170190.70     7571.50
  PALUXY        PALUXY RIVER   10397.4*      Max WS       760.62      760.61       0.02         0.00                688992.40
80253.23   174684.40     7590.00
  PALUXY        PALUXY RIVER   10372.5*      Max WS       760.62      760.61       0.02         0.00                684464.30
80268.13   179197.00     7608.50
  PALUXY        PALUXY RIVER   10347.7*      Max WS       760.62      760.61       0.02         0.00                679924.60
80280.87   183723.00     7627.00
  PALUXY        PALUXY RIVER   10322.8*      Max WS       760.62      760.61       0.02         0.00                675370.00
80290.25   188267.30     7645.50
  PALUXY        PALUXY RIVER   10298.0*      Max WS       760.62      760.61       0.02         0.00                670799.90
80298.82   192828.00     7664.00
  PALUXY        PALUXY RIVER   10273.2*      Max WS       760.62      760.60       0.02         0.00                666221.90
80304.76   197399.20     7682.50
  PALUXY        PALUXY RIVER   10248.3*      Max WS       760.62      760.60       0.02         0.00                661627.00
80308.98   201988.90     7701.00
  PALUXY        PALUXY RIVER   10223.5*      Max WS       760.62      760.60       0.02         0.00                657021.70
80310.87   206591.40     7719.50
  PALUXY        PALUXY RIVER   10198.6*      Max WS       760.62      760.60       0.02         0.00                652407.20
80310.48   211205.50     7738.00
  PALUXY        PALUXY RIVER   10173.8*      Max WS       760.62      760.60       0.02         0.00                647777.90
80308.36   215835.90     7756.50
  PALUXY        PALUXY RIVER   10149.*       Max WS       760.62      760.60       0.02         0.00                643138.40
80304.02   220478.80     7775.00
  PALUXY        PALUXY RIVER   10124.1*      Max WS       760.62      760.60       0.02         0.00                638485.80
80298.78   225135.80     7793.50
  PALUXY        PALUXY RIVER   10099.3*      Max WS       760.62      760.60       0.02         0.00                633824.40
80290.57   229804.40     7812.00
  PALUXY        PALUXY RIVER   10074.4*      Max WS       760.62      760.60       0.02         0.00                629153.60
80280.03   234484.90     7830.50
  PALUXY        PALUXY RIVER   10049.6*      Max WS       760.61      760.60       0.02         0.00                624475.70
80267.78   239174.10     7849.00
  PALUXY        PALUXY RIVER   10024.8*      Max WS       760.61      760.60       0.01         0.00                619786.10
80253.07   243877.40     7867.50
  PALUXY        PALUXY RIVER   9999.96*      Max WS       760.61      760.60       0.01         0.00                615083.10
80236.88   248595.70     7886.00
  PALUXY        PALUXY RIVER   9975.12*      Max WS       760.61      760.60       0.01         0.00                610379.40
80218.65   253316.60     7904.50
  PALUXY        PALUXY RIVER   9950.28*      Max WS       760.61      760.60       0.01         0.00                605664.30
80198.44   258051.00     7923.00
  PALUXY        PALUXY RIVER   9925.44*      Max WS       760.61      760.60       0.01         0.00                600944.80
80176.16   262791.70     7941.50
  PALUXY        PALUXY RIVER   9900.6*       Max WS       760.61      760.60       0.01         0.00                596212.00
80151.48   267548.30     7960.00
  PALUXY        PALUXY RIVER   9875.76*      Max WS       760.61      760.60       0.01         0.00                591471.80
80125.34   272313.70     7978.50
  PALUXY        PALUXY RIVER   9850.92*      Max WS       760.61      760.59       0.01         0.00                586729.80
80097.02   277083.00     7997.00
  PALUXY        PALUXY RIVER   9826.08*      Max WS       760.61      760.59       0.01         0.00                581977.50
80066.77   281864.50     8015.50
  PALUXY        PALUXY RIVER   9801.24*      Max WS       760.61      760.59       0.01         0.00                577221.60
80034.10   286652.20     8034.00
  PALUXY        PALUXY RIVER   9776.4*       Max WS       760.61      760.59       0.01         0.00                572458.10
80000.43   291448.30     8052.50
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  PALUXY        PALUXY RIVER   9751.56*      Max WS       760.61      760.59       0.01         0.00                567690.40
79963.95   296251.30     8071.00
  PALUXY        PALUXY RIVER   9726.72*      Max WS       760.61      760.59       0.01         0.00                562916.30
79925.89   301062.60     8089.50
  PALUXY        PALUXY RIVER   9701.88*      Max WS       760.61      760.59       0.01         0.00                558139.30
79886.16   305878.20     8108.00
  PALUXY        PALUXY RIVER   9677.04*      Max WS       760.60      760.59       0.01         0.00                553359.10
79843.73   310699.80     8126.50
  PALUXY        PALUXY RIVER   9652.2*       Max WS       760.60      760.59       0.01         0.00                548570.30
79800.12   315531.20     8145.00
  PALUXY        PALUXY RIVER   9627.36*      Max WS       760.60      760.59       0.01         0.00                543784.50
79754.35   320361.70     8163.50
  PALUXY        PALUXY RIVER   9602.52*      Max WS       760.60      760.59       0.01         0.00                538991.00
79706.52   325202.00     8182.00
  PALUXY        PALUXY RIVER   9577.68*      Max WS       760.60      760.59       0.01         0.00                534194.90
79656.26   330047.20     8200.50
  PALUXY        PALUXY RIVER   9552.84*      Max WS       760.60      760.59       0.01         0.00                529400.80
79605.14   334891.30     8219.00
  PALUXY        PALUXY RIVER   9528.00*      Max WS       760.60      760.59       0.01         0.00                524599.90
79552.34   339744.10     8237.50
  PALUXY        PALUXY RIVER   9503.16*      Max WS       760.60      760.59       0.01         0.00                519800.50
79497.81   344596.90     8256.00
  PALUXY        PALUXY RIVER   9478.32*      Max WS       760.60      760.59       0.01         0.00                514996.80
79440.07   349457.30     8274.50
  PALUXY        PALUXY RIVER   9453.48*      Max WS       760.60      760.59       0.01         0.00                510193.90
79380.77   354318.50     8293.00
  PALUXY        PALUXY RIVER   9428.64*      Max WS       760.60      760.58       0.01         0.00                505391.10
79320.46   359180.30     8311.50
  PALUXY        PALUXY RIVER   9403.80*      Max WS       760.60      760.58       0.01         0.00                500582.50
79258.42   364050.00     8330.00
  PALUXY        PALUXY RIVER   9378.96*      Max WS       760.60      760.58       0.01         0.00                495777.50
79194.04   368918.30     8348.50
  PALUXY        PALUXY RIVER   9354.12*      Max WS       760.60      760.58       0.01         0.00                490977.90
79127.60   373783.10     8367.00
  PALUXY        PALUXY RIVER   9329.28*      Max WS       760.60      760.58       0.01         0.00                486174.50
79059.54   378653.50     8385.50
  PALUXY        PALUXY RIVER   9304.44*      Max WS       760.60      760.58       0.01         0.00                481370.20
78990.08   383526.20     8404.00
  PALUXY        PALUXY RIVER   9279.60*      Max WS       760.59      760.58       0.01         0.00                476568.30
78919.26   388397.70     8422.50
  PALUXY        PALUXY RIVER   9254.76*      Max WS       760.59      760.58       0.01         0.00                471768.30
78846.16   393269.70     8441.00
  PALUXY        PALUXY RIVER   9229.92*      Max WS       760.59      760.58       0.01         0.00                466971.20
78771.03   398140.80     8459.50
  PALUXY        PALUXY RIVER   9205.08*      Max WS       760.59      760.58       0.01         0.00                462179.30
78694.78   403007.80     8478.00
  PALUXY        PALUXY RIVER   9180.24*      Max WS       760.59      760.58       0.01         0.00                457386.70
78616.24   407877.80     8496.50
  PALUXY        PALUXY RIVER   9155.4*       Max WS       760.59      760.58       0.01         0.00                452592.00
78536.45   412751.20     8515.00
  PALUXY        PALUXY RIVER   9130.56*      Max WS       760.59      760.58       0.01         0.00                447810.30
78455.21   417612.90     8533.50
  PALUXY        PALUXY RIVER   9105.72*      Max WS       760.59      760.58       0.01         0.00                443027.00
78372.45   422477.90     8552.00
  PALUXY        PALUXY RIVER   9080.88*      Max WS       760.59      760.58       0.01         0.00                438253.10
78288.01   427335.00     8570.50
  PALUXY        PALUXY RIVER   9056.04*      Max WS       760.59      760.58       0.01         0.00                433473.10
78201.55   432200.20     8589.00
  PALUXY        PALUXY RIVER   9031.2*       Max WS       760.59      760.58       0.01         0.00                428702.30
78113.39   437058.00     8607.50
  PALUXY        PALUXY RIVER   9006.35*      Max WS       760.59      760.58       0.01         0.00                423941.10
78023.93   441907.40     8626.00
  PALUXY        PALUXY RIVER   8981.52*      Max WS       760.59      760.57       0.01         0.00                419179.30
77932.84   446759.10     8644.50
  PALUXY        PALUXY RIVER   8956.68*      Max WS       760.59      760.57       0.01         0.00                414425.90
77839.87   451604.40     8663.00
  PALUXY        PALUXY RIVER   8931.84*      Max WS       760.59      760.57       0.01         0.00                409677.80
77746.00   456445.10     8681.50
  PALUXY        PALUXY RIVER   8907          Max WS       760.59      760.57       0.01         0.00                404934.90
77650.10   461282.80     8700.00
  PALUXY        PALUXY RIVER   8861.14*      Max WS       760.58      760.57       0.01         0.00                396175.70
77530.45   470159.40     8650.00
  PALUXY        PALUXY RIVER   8815.28*      Max WS       760.58      760.57       0.01         0.00                387403.20
77395.20   479064.90     8600.00
  PALUXY        PALUXY RIVER   8769.42*      Max WS       760.58      760.57       0.01         0.00                378640.80
77240.47   487979.70     8550.00
  PALUXY        PALUXY RIVER   8723.57*      Max WS       760.58      760.57       0.01         0.00                369871.30
77071.74   496915.80     8500.00
  PALUXY        PALUXY RIVER   8677.71*      Max WS       760.58      760.57       0.01         0.00                361120.10
76885.50   505851.10     8450.00
  PALUXY        PALUXY RIVER   8631.85*      Max WS       760.58      760.57       0.01         0.00                352366.10
76684.88   514803.40     8400.00
  PALUXY        PALUXY RIVER   8586.*        Max WS       760.58      760.56       0.01         0.00                343642.00
76465.93   523744.40     8350.00
  PALUXY        PALUXY RIVER   8540.14*      Max WS       760.58      760.56       0.01         0.00                334940.60
76229.13   532680.40     8300.00
  PALUXY        PALUXY RIVER   8494.28*      Max WS       760.57      760.56       0.01         0.00                326265.80
75978.54   541603.50     8250.00
  PALUXY        PALUXY RIVER   8448.42*      Max WS       760.57      760.56       0.01         0.00                317614.00
75712.11   550519.70     8200.00
  PALUXY        PALUXY RIVER   8402.57*      Max WS       760.57      760.56       0.01         0.00                308999.60
75431.97   559412.10     8150.00
  PALUXY        PALUXY RIVER   8356.71*      Max WS       760.57      760.56       0.01         0.00                300421.30
75133.97   568286.30     8100.00
  PALUXY        PALUXY RIVER   8310.85*      Max WS       760.57      760.56       0.01         0.00                291887.70
74819.55   577132.10     8050.00
  PALUXY        PALUXY RIVER   8265.*        Max WS       760.57      760.56       0.01         0.00                283404.90
74487.86   585944.50     8000.00
  PALUXY        PALUXY RIVER   8219.14*      Max WS       760.57      760.55       0.01         0.00                274969.20
74142.16   594723.80     7950.00
  PALUXY        PALUXY RIVER   8173.28*      Max WS       760.57      760.55       0.01         0.00                266583.50
73783.57   603466.00     7900.00
  PALUXY        PALUXY RIVER   8127.42*      Max WS       760.56      760.55       0.01         0.00                258260.80
73407.55   612162.80     7850.00
  PALUXY        PALUXY RIVER   8081.57*      Max WS       760.56      760.55       0.01         0.00                249997.30
73017.59   620814.10     7800.00
  PALUXY        PALUXY RIVER   8035.71*      Max WS       760.56      760.55       0.01         0.00                241807.60
72609.48   629409.90     7750.00
  PALUXY        PALUXY RIVER   7989.85*      Max WS       760.56      760.55       0.01         0.00                233682.00
72190.10   637952.90     7700.00
  PALUXY        PALUXY RIVER   7944          Max WS       760.56      760.55       0.01         0.00                225630.20
71754.91   646437.90     7650.00
  PALUXY        PALUXY RIVER   7886.4*       Max WS       760.56      760.54       0.01         0.00                222723.70
75338.78   645758.10     7490.00
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PALUXY	PALUXY RIVER	7828.8*	Max WS	760.56	760.54	0.02	0.00	219911.00	79069.22	644838.00	7330.00
PALUXY	PALUXY RIVER	7771.2*	Max WS	760.55	760.54	0.02	0.00	217187.80	82954.52	643673.50	7170.00
PALUXY	PALUXY RIVER	7713.6*	Max WS	760.55	760.54	0.02	0.00	214560.60	87013.06	642239.80	7010.00
PALUXY	PALUXY RIVER	7656.*	Max WS	760.55	760.53	0.02	0.00	212032.70	91260.82	640517.90	6850.00
PALUXY	PALUXY RIVER	7598.4*	Max WS	760.55	760.53	0.02	0.00	209608.70	95710.91	638489.60	6690.00
PALUXY	PALUXY RIVER	7540.8*	Max WS	760.55	760.53	0.02	0.00	207285.90	100384.80	636136.30	6530.00
PALUXY	PALUXY RIVER	7483.2*	Max WS	760.55	760.53	0.02	0.00	205081.10	105305.80	633418.00	6370.00
PALUXY	PALUXY RIVER	7425.6*	Max WS	760.54	760.52	0.02	0.00	202986.20	110493.40	630323.30	6210.00
PALUXY	PALUXY RIVER	7368.*	Max WS	760.54	760.52	0.02	0.00	201014.10	115976.00	626810.80	6050.00
PALUXY	PALUXY RIVER	7310.4*	Max WS	760.54	760.51	0.02	0.00	199169.60	121787.90	622841.40	5890.00
PALUXY	PALUXY RIVER	7252.8*	Max WS	760.54	760.51	0.02	0.00	197464.60	127957.50	618375.20	5730.00
PALUXY	PALUXY RIVER	7195.2*	Max WS	760.53	760.51	0.03	0.00	195905.20	134526.30	613363.90	5570.00
PALUXY	PALUXY RIVER	7137.6*	Max WS	760.53	760.50	0.03	0.00	194508.80	141543.00	607741.90	5410.00
PALUXY	PALUXY RIVER	7080	Max WS	760.53	760.50	0.03	0.00	193277.50	149055.40	601459.30	5250.00
PALUXY	PALUXY RIVER	7065.01*	Max WS	760.53	760.50	0.03	0.00	194690.50	148847.00	600254.30	5243.94
PALUXY	PALUXY RIVER	7050.03*	Max WS	760.52	760.49	0.03	0.00	196106.20	148634.90	599050.20	5237.88
PALUXY	PALUXY RIVER	7035.04*	Max WS	760.52	760.49	0.03	0.00	197530.90	148425.50	597834.50	5231.82
PALUXY	PALUXY RIVER	7020.06*	Max WS	760.52	760.49	0.03	0.00	198962.10	148209.40	596619.10	5225.76
PALUXY	PALUXY RIVER	7005.07*	Max WS	760.52	760.49	0.03	0.00	200397.20	147997.80	595395.10	5219.70
PALUXY	PALUXY RIVER	6990.09*	Max WS	760.52	760.49	0.03	0.00	201844.70	147779.40	594165.80	5213.64
PALUXY	PALUXY RIVER	6975.10*	Max WS	760.52	760.49	0.03	0.00	203294.00	147565.50	592929.90	5207.58
PALUXY	PALUXY RIVER	6960.12*	Max WS	760.52	760.49	0.03	0.00	204750.20	147345.90	591692.80	5201.52
PALUXY	PALUXY RIVER	6945.13*	Max WS	760.52	760.49	0.03	0.00	206212.90	147126.70	590449.10	5195.45
PALUXY	PALUXY RIVER	6930.15*	Max WS	760.52	760.49	0.03	0.00	207685.50	146899.60	589203.10	5189.39
PALUXY	PALUXY RIVER	6915.16*	Max WS	760.52	760.49	0.03	0.00	209164.80	146676.90	587946.20	5183.33
PALUXY	PALUXY RIVER	6900.18*	Max WS	760.52	760.49	0.03	0.00	210646.60	146454.00	586686.80	5177.27
PALUXY	PALUXY RIVER	6885.19*	Max WS	760.52	760.49	0.03	0.00	212140.40	146228.30	585418.20	5171.21
PALUXY	PALUXY RIVER	6870.21*	Max WS	760.51	760.48	0.03	0.00	213635.00	145998.00	584153.80	5165.15
PALUXY	PALUXY RIVER	6855.22*	Max WS	760.51	760.48	0.03	0.00	215140.90	145768.70	582876.60	5159.09
PALUXY	PALUXY RIVER	6840.24*	Max WS	760.51	760.48	0.03	0.00	216656.00	145532.80	581597.00	5153.03
PALUXY	PALUXY RIVER	6825.25*	Max WS	760.51	760.48	0.03	0.00	218171.30	145311.40	580302.70	5146.97
PALUXY	PALUXY RIVER	6810.27*	Max WS	760.51	760.48	0.03	0.00	219696.80	145073.70	579014.40	5140.91
PALUXY	PALUXY RIVER	6795.28*	Max WS	760.51	760.48	0.03	0.00	221229.20	144837.10	577718.40	5134.85
PALUXY	PALUXY RIVER	6780.30*	Max WS	760.51	760.48	0.03	0.00	222761.90	144597.80	576424.50	5128.79
PALUXY	PALUXY RIVER	6765.31*	Max WS	760.51	760.48	0.03	0.00	224305.50	144361.40	575117.00	5122.73
PALUXY	PALUXY RIVER	6750.33*	Max WS	760.51	760.48	0.03	0.00	225863.30	144121.50	573798.60	5116.67
PALUXY	PALUXY RIVER	6735.34*	Max WS	760.51	760.48	0.03	0.00	227419.20	143882.80	572481.00	5110.61
PALUXY	PALUXY RIVER	6720.36*	Max WS	760.51	760.48	0.03	0.00	228984.70	143636.30	571161.60	5104.55
PALUXY	PALUXY RIVER	6705.37*	Max WS	760.51	760.47	0.03	0.00	230549.40	143394.40	569838.50	5098.48
PALUXY	PALUXY RIVER	6690.39*	Max WS	760.50	760.47	0.03	0.00	232137.90	143146.00	568498.00	5092.42
PALUXY	PALUXY RIVER	6675.40*	Max WS	760.50	760.47	0.03	0.00	233720.10	142902.70	567158.60	5086.36
PALUXY	PALUXY RIVER	6660.42*	Max WS	760.50	760.47	0.03	0.00	235309.60	142652.90	565818.60	5080.30
PALUXY	PALUXY RIVER	6645.43*	Max WS	760.50	760.47	0.03	0.00	236908.00	142403.20	564469.60	5074.24
PALUXY	PALUXY RIVER	6630.45*	Max WS	760.50	760.47	0.03	0.00	238515.30	142150.70	563114.40	5068.18
PALUXY	PALUXY RIVER	6615.47*	Max WS	760.50	760.47	0.03	0.00	240121.70	141898.60	561759.60	5062.12
PALUXY	PALUXY RIVER	6600.48*	Max WS	760.50	760.47	0.03	0.00	241747.50	141643.90	560388.10	5056.06
PALUXY	PALUXY RIVER	6585.5*	Max WS	760.50	760.47	0.03	0.00	243371.30	141388.20	559019.60	5050.00
PALUXY	PALUXY RIVER	6570.51*	Max WS	760.50	760.47	0.03	0.00	245005.50	141130.70	557642.60	5043.94
PALUXY	PALUXY RIVER	6555.53*	Max WS	760.50	760.46	0.03	0.00	246647.60	140871.60	556259.30	5037.88
PALUXY	PALUXY RIVER	6540.54*	Max WS	760.49	760.46	0.03	0.00	248289.70	140612.80	554875.60	5031.82
PALUXY	PALUXY RIVER	6525.56*	Max WS	760.49	760.46	0.03	0.00	249940.50	140347.50	553489.60	5025.76
PALUXY	PALUXY RIVER	6510.57*	Max WS	760.49	760.46	0.03	0.00	251603.50	140084.60	552089.20	5019.70
PALUXY	PALUXY RIVER	6495.59*	Max WS	760.49	760.46	0.03	0.00	253270.40	139819.30	550687.20	5013.64
PALUXY	PALUXY RIVER	6480.60*	Max WS	760.49	760.46	0.03	0.00	254939.30	139556.30	549280.90	5007.58
PALUXY	PALUXY RIVER	6465.62*	Max WS	760.49	760.46	0.03	0.00	256620.60	139286.80	547868.70	5001.52
PALUXY	PALUXY RIVER	6450.63*	Max WS	760.49	760.46	0.03	0.00	258305.40	139017.40	546452.90	4995.45
PALUXY	PALUXY RIVER	6435.65*	Max WS	760.49	760.46	0.03	0.00	260000.50	138743.90	545031.00	4989.39

PALUXY	PALUXY RIVER	6420.66*	Max WS	760.49	760.46	0.03	0.00	261701.30	138472.90	543600.80	4983.33
PALUXY	PALUXY RIVER	6405.68*	Max WS	760.49	760.45	0.03	0.00	263410.00	138197.60	542167.10	4977.27
PALUXY	PALUXY RIVER	6390.69*	Max WS	760.49	760.45	0.03	0.00	265120.60	137923.80	540729.80	4971.21
PALUXY	PALUXY RIVER	6375.71*	Max WS	760.48	760.45	0.03	0.00	266840.40	137644.00	539289.60	4965.15
PALUXY	PALUXY RIVER	6360.72*	Max WS	760.48	760.45	0.03	0.00	268574.30	137364.80	537834.50	4959.09
PALUXY	PALUXY RIVER	6345.74*	Max WS	760.48	760.45	0.03	0.00	270307.70	137079.30	536386.20	4953.03
PALUXY	PALUXY RIVER	6330.75*	Max WS	760.48	760.45	0.03	0.00	272045.00	136808.60	534919.10	4946.97
PALUXY	PALUXY RIVER	6315.77*	Max WS	760.48	760.45	0.03	0.00	273793.70	136520.10	533458.60	4940.91
PALUXY	PALUXY RIVER	6300.78*	Max WS	760.48	760.45	0.03	0.00	275552.40	136235.70	531983.90	4934.85
PALUXY	PALUXY RIVER	6285.80*	Max WS	760.48	760.45	0.03	0.00	277311.50	135945.90	530514.20	4928.79
PALUXY	PALUXY RIVER	6270.81*	Max WS	760.48	760.45	0.03	0.00	279077.50	135660.30	529033.40	4922.73
PALUXY	PALUXY RIVER	6255.83*	Max WS	760.48	760.44	0.03	0.00	280853.10	135370.90	527546.90	4916.67
PALUXY	PALUXY RIVER	6240.84*	Max WS	760.48	760.44	0.03	0.00	282628.90	135081.80	526059.90	4910.61
PALUXY	PALUXY RIVER	6225.86*	Max WS	760.47	760.44	0.03	0.00	284426.80	134784.20	524559.10	4904.55
PALUXY	PALUXY RIVER	6210.87*	Max WS	760.47	760.44	0.03	0.00	286216.10	134492.10	523061.60	4898.49
PALUXY	PALUXY RIVER	6195.89*	Max WS	760.47	760.44	0.03	0.00	288018.40	134196.10	521554.80	4892.42
PALUXY	PALUXY RIVER	6180.91*	Max WS	760.47	760.44	0.03	0.00	289824.80	133900.80	520043.40	4886.36
PALUXY	PALUXY RIVER	6165.92*	Max WS	760.47	760.44	0.03	0.00	291641.40	133601.70	518525.60	4880.30
PALUXY	PALUXY RIVER	6150.94*	Max WS	760.47	760.44	0.03	0.00	293463.40	133303.10	517001.80	4874.24
PALUXY	PALUXY RIVER	6135.95*	Max WS	760.47	760.44	0.03	0.00	295293.00	132999.20	515475.60	4868.18
PALUXY	PALUXY RIVER	6120.97*	Max WS	760.47	760.43	0.03	0.00	297126.60	132697.30	513943.80	4862.12
PALUXY	PALUXY RIVER	6105.98*	Max WS	760.47	760.43	0.03	0.00	298968.10	132391.40	512407.70	4856.06
PALUXY	PALUXY RIVER	6091.00*	Max WS	760.47	760.43	0.03	0.00	300817.10	132086.30	510863.40	4850.00
PALUXY	PALUXY RIVER	6076.01*	Max WS	760.46	760.43	0.03	0.00	302674.40	131779.00	509313.10	4843.94
PALUXY	PALUXY RIVER	6061.03*	Max WS	760.46	760.43	0.03	0.00	304537.30	131468.70	507760.10	4837.88
PALUXY	PALUXY RIVER	6046.04*	Max WS	760.46	760.43	0.03	0.00	306399.10	131159.90	506206.80	4831.82
PALUXY	PALUXY RIVER	6031.06*	Max WS	760.46	760.43	0.03	0.00	308280.10	130845.30	504640.00	4825.76
PALUXY	PALUXY RIVER	6016.07*	Max WS	760.46	760.43	0.03	0.00	310164.10	130531.50	503069.40	4819.70
PALUXY	PALUXY RIVER	6001.09*	Max WS	760.46	760.43	0.03	0.00	312048.60	130216.90	501499.20	4813.64
PALUXY	PALUXY RIVER	5986.10*	Max WS	760.46	760.42	0.03	0.00	313947.90	129902.60	499913.80	4807.58
PALUXY	PALUXY RIVER	5971.12*	Max WS	760.46	760.42	0.03	0.00	315850.30	129581.40	498332.30	4801.52
PALUXY	PALUXY RIVER	5956.13*	Max WS	760.46	760.42	0.03	0.00	317752.50	129263.80	496747.30	4795.46
PALUXY	PALUXY RIVER	5941.15*	Max WS	760.45	760.42	0.03	0.00	319672.70	128938.00	495152.60	4789.39
PALUXY	PALUXY RIVER	5926.16*	Max WS	760.45	760.42	0.03	0.00	321595.80	128616.00	493551.10	4783.33
PALUXY	PALUXY RIVER	5911.18*	Max WS	760.45	760.42	0.03	0.00	323522.80	128291.90	491947.80	4777.27
PALUXY	PALUXY RIVER	5896.19*	Max WS	760.45	760.42	0.03	0.00	325460.40	127967.40	490334.30	4771.21
PALUXY	PALUXY RIVER	5881.21*	Max WS	760.45	760.42	0.03	0.00	327398.20	127636.90	488726.70	4765.15
PALUXY	PALUXY RIVER	5866.22*	Max WS	760.45	760.42	0.03	0.00	329351.10	127307.90	487102.60	4759.09
PALUXY	PALUXY RIVER	5851.24*	Max WS	760.45	760.42	0.03	0.00	331303.60	126971.90	485485.60	4753.03
PALUXY	PALUXY RIVER	5836.25*	Max WS	760.45	760.42	0.03	0.00	333266.60	126649.60	483844.60	4746.97
PALUXY	PALUXY RIVER	5821.27*	Max WS	760.45	760.41	0.03	0.00	335237.10	126311.40	482212.00	4740.91
PALUXY	PALUXY RIVER	5806.29*	Max WS	760.45	760.41	0.03	0.00	337209.00	125979.40	480571.80	4734.85
PALUXY	PALUXY RIVER	5791.30*	Max WS	760.45	760.41	0.03	0.00	339192.80	125636.20	478930.60	4728.79
PALUXY	PALUXY RIVER	5776.32*	Max WS	760.45	760.41	0.03	0.00	341179.40	125299.80	477280.20	4722.73
PALUXY	PALUXY RIVER	5761.33*	Max WS	760.44	760.41	0.03	0.00	343169.90	124960.70	475628.40	4716.67
PALUXY	PALUXY RIVER	5746.35*	Max WS	760.44	760.41	0.03	0.00	345183.60	124619.30	473955.70	4710.61
PALUXY	PALUXY RIVER	5731.36*	Max WS	760.44	760.41	0.03	0.00	347187.50	124276.90	472293.90	4704.55
PALUXY	PALUXY RIVER	5716.38*	Max WS	760.44	760.41	0.03	0.00	349196.30	123930.90	470630.60	4698.49
PALUXY	PALUXY RIVER	5701.39*	Max WS	760.44	760.41	0.03	0.00	351214.20	123583.10	468960.30	4692.42
PALUXY	PALUXY RIVER	5686.41*	Max WS	760.44	760.41	0.03	0.00	353245.30	123237.60	467274.40	4686.36
PALUXY	PALUXY RIVER	5671.42*	Max WS	760.44	760.40	0.03	0.00	355280.00	122888.40	465588.40	4680.30
PALUXY	PALUXY RIVER	5656.44*	Max WS	760.44	760.40	0.03	0.00	357318.80	122540.10	463897.80	4674.24
PALUXY	PALUXY RIVER	5641.45*	Max WS	760.44	760.40	0.03	0.00	359366.40	122184.70	462205.10	4668.18
PALUXY	PALUXY RIVER	5626.47*	Max WS	760.44	760.40	0.03	0.00	361418.00	121832.10	460505.80	4662.12
PALUXY	PALUXY RIVER	5611.48*	Max WS	760.43	760.40	0.03	0.00	363477.70	121479.00	458798.80	4656.06
PALUXY	PALUXY RIVER	5596.50*	Max WS	760.43	760.40	0.03	0.00	365544.80	121121.70	457088.60	4650.00
PALUXY	PALUXY RIVER	5581.51*	Max WS	760.43	760.40	0.03	0.00	367616.70	120764.60	455373.50	4643.94

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  PALUXY        PALUXY RIVER   5566.53*      Max WS       760.43      760.40       0.03         0.00                369695.00
120403.70   453655.80     4637.88
  PALUXY        PALUXY RIVER   5551.54*      Max WS       760.43      760.40       0.03         0.00                371780.20
120043.90   451930.00     4631.82
  PALUXY        PALUXY RIVER   5536.56*      Max WS       760.43      760.40       0.03         0.00                373866.60
119679.90   450207.40     4625.76
  PALUXY        PALUXY RIVER   5521.57*      Max WS       760.43      760.39       0.03         0.00                375963.70
119316.70   448473.00     4619.70
  PALUXY        PALUXY RIVER   5506.59*      Max WS       760.43      760.39       0.03         0.00                378073.00
118951.10   446729.00     4613.64
  PALUXY        PALUXY RIVER   5491.60*      Max WS       760.43      760.39       0.03         0.00                380183.30
118587.50   444982.10     4607.58
  PALUXY        PALUXY RIVER   5476.62*      Max WS       760.43      760.39       0.03         0.00                382299.40
118216.80   443236.10     4601.52
  PALUXY        PALUXY RIVER   5461.63*      Max WS       760.42      760.39       0.03         0.00                384414.30
117848.90   441488.90     4595.46
  PALUXY        PALUXY RIVER   5446.65*      Max WS       760.42      760.39       0.03         0.00                386552.10
117472.80   439726.90     4589.40
  PALUXY        PALUXY RIVER   5431.66*      Max WS       760.42      760.39       0.03         0.00                388689.10
117101.20   437961.00     4583.33
  PALUXY        PALUXY RIVER   5416.68*      Max WS       760.42      760.39       0.03         0.00                390824.10
116727.20   436199.90     4577.27
  PALUXY        PALUXY RIVER   5401.69*      Max WS       760.42      760.39       0.03         0.00                392978.70
116350.80   434421.30     4571.21
  PALUXY        PALUXY RIVER   5386.71*      Max WS       760.42      760.38       0.03         0.00                395126.00
115973.20   432651.20     4565.15
  PALUXY        PALUXY RIVER   5371.72*      Max WS       760.42      760.38       0.03         0.00                397285.70
115594.20   430870.20     4559.09
  PALUXY        PALUXY RIVER   5356.74*      Max WS       760.42      760.38       0.03         0.00                399456.80
115208.90   429084.10     4553.03
  PALUXY        PALUXY RIVER   5341.76*      Max WS       760.42      760.38       0.03         0.00                401625.60
114834.90   427288.90     4546.97
  PALUXY        PALUXY RIVER   5326.77*      Max WS       760.42      760.38       0.04         0.00                403808.10
114449.40   425491.70     4540.91
  PALUXY        PALUXY RIVER   5311.79*      Max WS       760.41      760.38       0.04         0.00                405991.00
114067.60   423690.20     4534.85
  PALUXY        PALUXY RIVER   5296.80*      Max WS       760.41      760.38       0.04         0.00                408182.40
113675.40   421890.70     4528.79
  PALUXY        PALUXY RIVER   5281.82*      Max WS       760.41      760.38       0.04         0.00                410377.50
113289.90   420080.80     4522.73
  PALUXY        PALUXY RIVER   5266.83*      Max WS       760.41      760.38       0.04         0.00                412585.30
112900.40   418262.20     4516.67
  PALUXY        PALUXY RIVER   5251.85*      Max WS       760.41      760.38       0.04         0.00                414793.10
112510.40   416443.90     4510.61
  PALUXY        PALUXY RIVER   5236.86*      Max WS       760.41      760.37       0.04         0.00                417005.60
112118.30   414623.30     4504.55
  PALUXY        PALUXY RIVER   5221.88*      Max WS       760.41      760.37       0.04         0.00                419226.40
111724.60   412795.80     4498.49
  PALUXY        PALUXY RIVER   5206.89*      Max WS       760.41      760.37       0.04         0.00                421461.80
111326.80   410957.70     4492.43
  PALUXY        PALUXY RIVER   5191.91*      Max WS       760.41      760.37       0.04         0.00                423685.60
110934.80   409125.60     4486.36
  PALUXY        PALUXY RIVER   5176.92*      Max WS       760.41      760.37       0.04         0.00                425928.80
110531.90   407285.10     4480.30
  PALUXY        PALUXY RIVER   5161.94*      Max WS       760.40      760.37       0.04         0.00                428173.40
110139.20   405432.80     4474.24
  PALUXY        PALUXY RIVER   5146.95*      Max WS       760.40      760.37       0.04         0.00                430425.90
109734.50   403584.70     4468.18
  PALUXY        PALUXY RIVER   5131.97*      Max WS       760.40      760.37       0.04         0.00                432678.30
109333.00   401733.60     4462.12
  PALUXY        PALUXY RIVER   5116.98*      Max WS       760.40      760.37       0.04         0.00                434947.30
108929.30   399867.80     4456.06
  PALUXY        PALUXY RIVER   5102          Max WS       760.40      760.37       0.04         0.00         0.00   437214.90
108524.50   398004.80     4450.00
  PALUXY        LOWER PALUXY   3838          Max WS       760.43      760.37       0.06         0.00                876145.60
135325.10    38960.33     4150.00
  PALUXY        LOWER PALUXY   3833.02*      Max WS       760.43      760.36       0.06         0.00                875927.50
135406.10    39097.45     4152.72
  PALUXY        LOWER PALUXY   3828.03*      Max WS       760.43      760.36       0.06         0.00                875706.60
135490.00    39233.43     4155.45
  PALUXY        LOWER PALUXY   3823.05*      Max WS       760.42      760.36       0.06         0.00                875491.30
135571.00    39367.66     4158.17
  PALUXY        LOWER PALUXY   3818.07*      Max WS       760.42      760.36       0.06         0.00                875274.20
135655.70    39500.04     4160.90
  PALUXY        LOWER PALUXY   3813.09*      Max WS       760.42      760.36       0.06         0.00                875059.10
135738.80    39632.14     4163.62
  PALUXY        LOWER PALUXY   3808.11*      Max WS       760.42      760.36       0.06         0.00                874846.30
135816.70    39767.05     4166.34
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135903.50    39897.88     4169.07
  PALUXY        LOWER PALUXY   3798.15*      Max WS       760.42      760.36       0.06         0.00                874419.40
135982.20    40028.32     4171.79
  PALUXY        LOWER PALUXY   3793.17*      Max WS       760.42      760.36       0.06         0.00                874203.90
136067.70    40158.39     4174.51
  PALUXY        LOWER PALUXY   3788.19*      Max WS       760.42      760.36       0.06         0.00                873995.60
136148.10    40286.26     4177.24
  PALUXY        LOWER PALUXY   3783.21*      Max WS       760.42      760.36       0.06         0.00                873793.80
136224.30    40411.98     4179.96
  PALUXY        LOWER PALUXY   3778.23*      Max WS       760.42      760.36       0.06         0.00                873581.90
136312.00    40536.09     4182.69
  PALUXY        LOWER PALUXY   3773.25*      Max WS       760.42      760.36       0.06         0.00                873377.10
136389.10    40662.80     4185.41
  PALUXY        LOWER PALUXY   3768.27*      Max WS       760.42      760.36       0.06         0.00                873168.90
136473.00    40787.17     4188.13
  PALUXY        LOWER PALUXY   3763.29*      Max WS       760.42      760.36       0.06         0.00                872959.30
136557.80    40911.99     4190.86
  PALUXY        LOWER PALUXY   3758.31*      Max WS       760.42      760.35       0.06         0.00                872755.20
136639.30    41034.56     4193.58
  PALUXY        LOWER PALUXY   3753.33*      Max WS       760.41      760.35       0.06         0.00                872552.70
136717.60    41158.79     4196.30
  PALUXY        LOWER PALUXY   3748.35*      Max WS       760.41      760.35       0.06         0.00                872356.40
136794.20    41278.46     4199.03
  PALUXY        LOWER PALUXY   3743.37*      Max WS       760.41      760.35       0.06         0.00                872155.00
136874.00    41399.94     4201.75
  PALUXY        LOWER PALUXY   3738.38*      Max WS       760.41      760.35       0.06         0.00                871955.80
136956.70    41516.59     4204.47
  PALUXY        LOWER PALUXY   3733.40*      Max WS       760.41      760.35       0.06         0.00                871756.40
137038.20    41634.28     4207.20
  PALUXY        LOWER PALUXY   3728.42*      Max WS       760.41      760.35       0.06         0.00                871554.90
137121.80    41752.33     4209.92
  PALUXY        LOWER PALUXY   3723.44*      Max WS       760.41      760.35       0.06         0.00                871357.30
137203.30    41868.48     4212.65
  PALUXY        LOWER PALUXY   3718.46*      Max WS       760.41      760.35       0.06         0.00                871164.30
137279.60    41984.17     4215.37
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137364.00    42097.96     4218.09
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137441.60    42212.84     4220.82
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137677.50    42549.96     4228.99
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137762.00    42659.64     4231.71
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137839.30    42770.18     4234.44
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137914.40    42877.57     4237.16
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138001.30    42987.18     4239.88
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138080.00    43093.66     4242.61
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138161.10    43197.86     4245.33
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138242.40    43300.22     4248.05
  PALUXY        LOWER PALUXY   3653.72*      Max WS       760.40      760.34       0.06         0.00                868702.80
138319.60    43404.67     4250.78
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138401.00    43507.28     4253.50
  PALUXY        LOWER PALUXY   3643.75*      Max WS       760.40      760.34       0.06         0.00                868342.60
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138556.10    43718.08     4258.95
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138631.20    43818.23     4261.67
  PALUXY        LOWER PALUXY   3628.81*      Max WS       760.40      760.34       0.06         0.00                867794.40
138712.80    43919.82     4264.40
  PALUXY        LOWER PALUXY   3623.83*      Max WS       760.40      760.34       0.06         0.00                867615.80
138795.70    44015.42     4267.12
  PALUXY        LOWER PALUXY   3618.85*      Max WS       760.40      760.34       0.06         0.00                867439.40
138872.20    44115.46     4269.84
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138954.00    44211.37     4272.57
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139030.60    44307.89     4275.29
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139105.50    44404.43     4278.02
  PALUXY        LOWER PALUXY   3598.93*      Max WS       760.39      760.33       0.06         0.00                866736.90
139188.80    44500.35     4280.74
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139264.60    44595.42     4283.46
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139339.50    44688.49     4286.19
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139422.80    44782.32     4288.91
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139498.40    44870.65     4291.63
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139577.70    44962.80     4294.36
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139730.90    45142.41     4299.81
  PALUXY        LOWER PALUXY   3559.08*      Max WS       760.39      760.33       0.06         0.00                865384.40
139811.20    45230.42     4302.53
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139887.10    45318.59     4305.25
  PALUXY        LOWER PALUXY   3549.12*      Max WS       760.39      760.33       0.06         0.00                865054.30
139969.40    45402.26     4307.98
  PALUXY        LOWER PALUXY   3544.14*      Max WS       760.39      760.33       0.06         0.00                864892.20
140042.30    45491.51     4310.70
  PALUXY        LOWER PALUXY   3539.16*      Max WS       760.39      760.33       0.06         0.00                864725.90
140121.20    45577.87     4313.42
  PALUXY        LOWER PALUXY   3534.18*      Max WS       760.38      760.33       0.06         0.00                864559.40
140202.70    45662.92     4316.15
  PALUXY        LOWER PALUXY   3529.20*      Max WS       760.38      760.33       0.06         0.00                864400.30
140273.70    45751.06     4318.87
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140355.90    45831.59     4321.60
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140430.00    45915.00     4324.32
  PALUXY        LOWER PALUXY   3514.26*      Max WS       760.38      760.32       0.06         0.00                863926.20
140503.20    45995.63     4327.04
  PALUXY        LOWER PALUXY   3509.28*      Max WS       760.38      760.32       0.06         0.00                863764.50
140585.90    46074.68     4329.77
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140660.90    46151.06     4332.49
  PALUXY        LOWER PALUXY   3499.32*      Max WS       760.38      760.32       0.06         0.00                863456.40
140735.30    46233.26     4335.21
  PALUXY        LOWER PALUXY   3494.34*      Max WS       760.38      760.32       0.06         0.00                863293.80
140818.60    46312.59     4337.94
  PALUXY        LOWER PALUXY   3489.36*      Max WS       760.38      760.32       0.06         0.00                863139.30
140895.60    46390.15     4340.66
  PALUXY        LOWER PALUXY   3484.38*      Max WS       760.38      760.32       0.06         0.00                862984.20
140972.60    46468.22     4343.39
  PALUXY        LOWER PALUXY   3479.40*      Max WS       760.38      760.32       0.06         0.00                862833.30
141049.10    46541.69     4346.11
  PALUXY        LOWER PALUXY   3474.42*      Max WS       760.38      760.32       0.06         0.00                862683.90
141119.30    46620.69     4348.83
  PALUXY        LOWER PALUXY   3469.44*      Max WS       760.38      760.32       0.06         0.00                862534.20
141197.90    46692.01     4351.56
  PALUXY        LOWER PALUXY   3464.45*      Max WS       760.38      760.32       0.06         0.00                862384.90
141271.70    46767.35     4354.28
  PALUXY        LOWER PALUXY   3459.47*      Max WS       760.37      760.32       0.06         0.00                862228.60
141355.00    46840.43     4357.00
  PALUXY        LOWER PALUXY   3454.49*      Max WS       760.37      760.32       0.06         0.00                862082.90
141426.70    46914.42     4359.73
  PALUXY        LOWER PALUXY   3449.51*      Max WS       760.37      760.32       0.06         0.00                861934.40
141502.80    46986.84     4362.45
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141583.30    47058.41     4365.17
  PALUXY        LOWER PALUXY   3439.55*      Max WS       760.37      760.31       0.06         0.00                861636.30
141657.90    47129.91     4367.90
  PALUXY        LOWER PALUXY   3434.57*      Max WS       760.37      760.31       0.06         0.00                861492.20
141737.40    47194.48     4370.62
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  PALUXY        LOWER PALUXY   3429.59*      Max WS       760.37      760.31       0.06         0.00                861347.90
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  PALUXY        LOWER PALUXY   3419.63*      Max WS       760.37      760.31       0.06         0.00                861063.80
141959.70    47400.65     4378.79
  PALUXY        LOWER PALUXY   3414.65*      Max WS       760.37      760.31       0.06         0.00                860919.80
142036.00    47467.23     4381.52
  PALUXY        LOWER PALUXY   3409.67*      Max WS       760.37      760.31       0.06         0.00                860783.10
142105.90    47534.02     4384.24
  PALUXY        LOWER PALUXY   3404.69*      Max WS       760.37      760.31       0.06         0.00                860638.90
142186.50    47597.64     4386.96
  PALUXY        LOWER PALUXY   3399.71*      Max WS       760.37      760.31       0.06         0.00                860495.10
142263.70    47664.18     4389.69
  PALUXY        LOWER PALUXY   3394.73*      Max WS       760.37      760.31       0.06         0.00                860357.10
142340.00    47725.86     4392.41
  PALUXY        LOWER PALUXY   3389.75*      Max WS       760.37      760.31       0.06         0.00                860219.60
142415.70    47787.79     4395.14
  PALUXY        LOWER PALUXY   3384.77*      Max WS       760.37      760.31       0.06         0.00                860080.20
142490.90    47851.94     4397.86
  PALUXY        LOWER PALUXY   3379.79*      Max WS       760.36      760.31       0.06         0.00                859943.40
142567.10    47912.50     4400.58
  PALUXY        LOWER PALUXY   3374.81*      Max WS       760.36      760.31       0.06         0.00                859809.20
142639.90    47973.98     4403.31
  PALUXY        LOWER PALUXY   3369.82*      Max WS       760.36      760.31       0.06         0.00                859671.80
142718.40    48032.79     4406.03
  PALUXY        LOWER PALUXY   3364.84*      Max WS       760.36      760.31       0.06         0.00                859537.50
142787.80    48097.69     4408.75
  PALUXY        LOWER PALUXY   3359.86*      Max WS       760.36      760.30       0.06         0.00                859406.60
142861.30    48155.14     4411.48
  PALUXY        LOWER PALUXY   3354.88*      Max WS       760.36      760.30       0.06         0.00                859267.30
142945.40    48210.28     4414.20
  PALUXY        LOWER PALUXY   3349.90*      Max WS       760.36      760.30       0.06         0.00                859136.60
143016.90    48269.55     4416.93
  PALUXY        LOWER PALUXY   3344.92*      Max WS       760.36      760.30       0.06         0.00                859002.70
143095.00    48324.29     4419.65
  PALUXY        LOWER PALUXY   3339.94*      Max WS       760.36      760.30       0.06         0.00                858872.60
143167.80    48381.62     4422.37
  PALUXY        LOWER PALUXY   3334.96*      Max WS       760.36      760.30       0.06         0.00                858747.30
143238.70    48436.02     4425.10
  PALUXY        LOWER PALUXY   3329.98*      Max WS       760.36      760.30       0.06         0.00                858612.10
143316.90    48493.05     4427.82
  PALUXY        LOWER PALUXY   3325.00*      Max WS       760.36      760.30       0.06         0.00                858486.10
143390.40    48545.54     4430.54
  PALUXY        LOWER PALUXY   3320.02*      Max WS       760.36      760.30       0.06         0.00                858358.90
143462.10    48600.95     4433.27
  PALUXY        LOWER PALUXY   3315.04*      Max WS       760.36      760.30       0.06         0.00                858231.60
143541.00    48649.46     4435.99
  PALUXY        LOWER PALUXY   3310.06*      Max WS       760.36      760.30       0.06         0.00                858102.40
143618.00    48701.56     4438.72
  PALUXY        LOWER PALUXY   3305.08*      Max WS       760.35      760.30       0.06         0.00                857978.90
143689.30    48753.76     4441.44
  PALUXY        LOWER PALUXY   3300.10*      Max WS       760.35      760.30       0.06         0.00                857850.90
143764.40    48806.74     4444.16
  PALUXY        LOWER PALUXY   3295.12*      Max WS       760.35      760.30       0.06         0.00                857727.90
143835.90    48858.10     4446.89
  PALUXY        LOWER PALUXY   3290.14*      Max WS       760.35      760.30       0.06         0.00                857603.60
143912.00    48906.40     4449.61
  PALUXY        LOWER PALUXY   3285.16*      Max WS       760.35      760.30       0.06         0.00                857481.90
143983.70    48956.44     4452.33
  PALUXY        LOWER PALUXY   3280.17*      Max WS       760.35      760.30       0.06         0.00                857359.30
144063.00    48999.68     4455.06
  PALUXY        LOWER PALUXY   3275.19*      Max WS       760.35      760.29       0.06         0.00                857242.50
144133.00    49045.48     4457.78
  PALUXY        LOWER PALUXY   3270.21*      Max WS       760.35      760.29       0.06         0.00                857121.60
144207.50    49091.88     4460.51
  PALUXY        LOWER PALUXY   3265.23*      Max WS       760.35      760.29       0.06         0.00                856995.20
144286.80    49139.06     4463.23
  PALUXY        LOWER PALUXY   3260.25*      Max WS       760.35      760.29       0.06         0.00                856878.80
144357.40    49184.78     4465.95
  PALUXY        LOWER PALUXY   3255.27*      Max WS       760.35      760.29       0.06         0.00                856756.00
144434.50    49230.53     4468.68
  PALUXY        LOWER PALUXY   3250.29*      Max WS       760.35      760.29       0.06         0.00                856639.50
144503.60    49277.91     4471.40
  PALUXY        LOWER PALUXY   3245.31*      Max WS       760.35      760.29       0.06         0.00                856525.80
144574.50    49320.75     4474.12
  PALUXY        LOWER PALUXY   3240.33*      Max WS       760.35      760.29       0.06         0.00                856409.90
144650.10    49360.99     4476.85
  PALUXY        LOWER PALUXY   3235.35*      Max WS       760.35      760.29       0.06         0.00                856295.70
144723.50    49401.84     4479.57
  PALUXY        LOWER PALUXY   3230.37*      Max WS       760.35      760.29       0.06         0.00                856183.00
144792.90    49445.07     4482.30
  PALUXY        LOWER PALUXY   3225.39*      Max WS       760.34      760.29       0.06         0.00                856066.90
144870.20    49483.90     4485.02
  PALUXY        LOWER PALUXY   3220.41*      Max WS       760.34      760.29       0.06         0.00                855946.60
144948.00    49526.39     4487.74
  PALUXY        LOWER PALUXY   3215.43*      Max WS       760.34      760.29       0.06         0.00                855834.00
145022.20    49564.75     4490.47
  PALUXY        LOWER PALUXY   3210.45*      Max WS       760.34      760.29       0.06         0.00                855722.00
145094.00    49605.02     4493.19
  PALUXY        LOWER PALUXY   3205.47*      Max WS       760.34      760.29       0.06         0.00                855611.90
145166.90    49642.17     4495.91
  PALUXY        LOWER PALUXY   3200.49*      Max WS       760.34      760.29       0.06         0.00                855502.90
145242.10    49675.04     4498.64
  PALUXY        LOWER PALUXY   3195.51*      Max WS       760.34      760.29       0.06         0.00                855393.80
145310.30    49715.91     4501.36
  PALUXY        LOWER PALUXY   3190.53*      Max WS       760.34      760.28       0.06         0.00                855286.30
145382.70    49751.06     4504.09
  PALUXY        LOWER PALUXY   3185.54*      Max WS       760.34      760.28       0.06         0.00                855174.50
145456.50    49789.05     4506.81
  PALUXY        LOWER PALUXY   3180.56*      Max WS       760.34      760.28       0.06         0.00                855070.70
145527.90    49821.45     4509.53
  PALUXY        LOWER PALUXY   3175.58*      Max WS       760.34      760.28       0.06         0.00                854960.60
145602.40    49857.00     4512.26
  PALUXY        LOWER PALUXY   3170.60*      Max WS       760.34      760.28       0.06         0.00                854849.80
145677.50    49892.58     4514.98
  PALUXY        LOWER PALUXY   3165.62*      Max WS       760.34      760.28       0.06         0.00                854743.60
145753.00    49923.36     4517.70
  PALUXY        LOWER PALUXY   3160.64*      Max WS       760.34      760.28       0.06         0.00                854640.10
145824.30    49955.64     4520.43
  PALUXY        LOWER PALUXY   3155.66*      Max WS       760.34      760.28       0.06         0.00                854537.10
145893.60    49989.38     4523.15
  PALUXY        LOWER PALUXY   3150.68*      Max WS       760.34      760.28       0.06         0.00                854425.30
145971.80    50022.90     4525.88
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  PALUXY        LOWER PALUXY   3145.70*      Max WS       760.33      760.28       0.05         0.00                854328.00
146040.10    50052.02     4528.60
  PALUXY        LOWER PALUXY   3140.72*      Max WS       760.33      760.28       0.05         0.00                854227.10
146107.00    50085.84     4531.32
  PALUXY        LOWER PALUXY   3135.74*      Max WS       760.33      760.28       0.05         0.00                854124.50
146183.00    50112.50     4534.05
  PALUXY        LOWER PALUXY   3130.76*      Max WS       760.33      760.28       0.05         0.00                854024.30
146252.80    50142.93     4536.77
  PALUXY        LOWER PALUXY   3125.78*      Max WS       760.33      760.28       0.05         0.00                853922.40
146332.40    50164.20     4539.49
  PALUXY        LOWER PALUXY   3120.80*      Max WS       760.33      760.28       0.05         0.00                853820.00
146404.10    50194.89     4542.22
  PALUXY        LOWER PALUXY   3115.82*      Max WS       760.33      760.28       0.05         0.00                853725.90
146472.50    50220.56     4544.94
  PALUXY        LOWER PALUXY   3110.84*      Max WS       760.33      760.28       0.05         0.00                853619.90
146549.90    50249.14     4547.67
  PALUXY        LOWER PALUXY   3105.86*      Max WS       760.33      760.27       0.05         0.00                853527.60
146618.20    50273.22     4550.39
  PALUXY        LOWER PALUXY   3100.88*      Max WS       760.33      760.27       0.05         0.00                853425.90
146693.20    50299.85     4553.11
  PALUXY        LOWER PALUXY   3095.9*       Max WS       760.33      760.27       0.05         0.00                853330.60
146763.50    50324.90     4555.84
  PALUXY        LOWER PALUXY   3090.91*      Max WS       760.33      760.27       0.05         0.00                853236.00
146834.80    50348.18     4558.56
  PALUXY        LOWER PALUXY   3085.93*      Max WS       760.33      760.27       0.05         0.00                853143.30
146903.50    50372.22     4561.28
  PALUXY        LOWER PALUXY   3080.95*      Max WS       760.33      760.27       0.05         0.00                853045.80
146978.10    50395.08     4564.01
  PALUXY        LOWER PALUXY   3075.97*      Max WS       760.33      760.27       0.05         0.00                852943.50
147054.20    50421.22     4566.73
  PALUXY        LOWER PALUXY   3070.99*      Max WS       760.33      760.27       0.05         0.00                852854.60
147122.50    50441.86     4569.45
  PALUXY        LOWER PALUXY   3066.01*      Max WS       760.32      760.27       0.05         0.00                852761.30
147192.70    50464.95     4572.18
  PALUXY        LOWER PALUXY   3061.03*      Max WS       760.32      760.27       0.05         0.00                852665.10
147269.30    50484.55     4574.90
  PALUXY        LOWER PALUXY   3056.05*      Max WS       760.32      760.27       0.05         0.00                852575.40
147337.50    50506.07     4577.63
  PALUXY        LOWER PALUXY   3051.07*      Max WS       760.32      760.27       0.05         0.00                852488.90
147406.90    50523.12     4580.35
  PALUXY        LOWER PALUXY   3046.09*      Max WS       760.32      760.27       0.05         0.00                852395.40
147484.40    50538.19     4583.07
  PALUXY        LOWER PALUXY   3041.11*      Max WS       760.32      760.27       0.05         0.00                852308.60
147551.50    50557.84     4585.80
  PALUXY        LOWER PALUXY   3036.13*      Max WS       760.32      760.27       0.05         0.00                852213.10
147630.20    50574.75     4588.52
  PALUXY        LOWER PALUXY   3031.15*      Max WS       760.32      760.27       0.05         0.00                852126.80
147695.70    50595.62     4591.24
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147764.90    50611.54     4593.97
  PALUXY        LOWER PALUXY   3021.19*      Max WS       760.32      760.26       0.05         0.00                851946.40
147841.20    50630.39     4596.69
  PALUXY        LOWER PALUXY   3016.21*      Max WS       760.32      760.26       0.05         0.00                851864.10
147909.30    50644.66     4599.42
  PALUXY        LOWER PALUXY   3011.23*      Max WS       760.32      760.26       0.05         0.00                851778.40
147982.30    50657.26     4602.14
  PALUXY        LOWER PALUXY   3006.25*      Max WS       760.32      760.26       0.05         0.00                851696.60
148052.40    50669.11     4604.86
  PALUXY        LOWER PALUXY   3001.27*      Max WS       760.32      760.26       0.05         0.00                851609.60
148123.10    50685.20     4607.59
  PALUXY        LOWER PALUXY   2996.28*      Max WS       760.32      760.26       0.05         0.00                851524.50
148193.80    50699.64     4610.31
  PALUXY        LOWER PALUXY   2991.30*      Max WS       760.32      760.26       0.05         0.00                851437.60
148268.60    50711.92     4613.03
  PALUXY        LOWER PALUXY   2986.32*      Max WS       760.31      760.26       0.05         0.00                851348.80
148342.70    50726.52     4615.76
  PALUXY        LOWER PALUXY   2981.34*      Max WS       760.31      760.26       0.05         0.00                851270.30
148408.50    50739.23     4618.48
  PALUXY        LOWER PALUXY   2976.36*      Max WS       760.31      760.26       0.05         0.00                851187.60
148478.70    50751.76     4621.21
  PALUXY        LOWER PALUXY   2971.38*      Max WS       760.31      760.26       0.05         0.00                851110.20
148550.90    50756.85     4623.93
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148616.30    50766.58     4626.65
  PALUXY        LOWER PALUXY   2961.42*      Max WS       760.31      760.26       0.05         0.00                850954.60
148687.30    50775.02     4629.38
  PALUXY        LOWER PALUXY   2956.44*      Max WS       760.31      760.26       0.05         0.00                850869.70
148761.80    50785.55     4632.10
  PALUXY        LOWER PALUXY   2951.46*      Max WS       760.31      760.26       0.05         0.00                850789.40
148830.20    50797.47     4634.82
  PALUXY        LOWER PALUXY   2946.48*      Max WS       760.31      760.26       0.05         0.00                850706.10
148907.10    50803.72     4637.55
  PALUXY        LOWER PALUXY   2941.50*      Max WS       760.31      760.26       0.05         0.00                850627.80
148976.50    50812.69     4640.27
  PALUXY        LOWER PALUXY   2936.52*      Max WS       760.31      760.25       0.05         0.00                850558.10
149040.80    50818.20     4643.00
  PALUXY        LOWER PALUXY   2931.54*      Max WS       760.31      760.25       0.05         0.00                850476.30
149117.90    50822.86     4645.72
  PALUXY        LOWER PALUXY   2926.56*      Max WS       760.31      760.25       0.05         0.00                850404.10
149185.80    50827.16     4648.44
  PALUXY        LOWER PALUXY   2921.58*      Max WS       760.31      760.25       0.05         0.00                850324.90
149259.00    50833.09     4651.17
  PALUXY        LOWER PALUXY   2916.6*       Max WS       760.31      760.25       0.05         0.00                850251.40
149325.90    50839.68     4653.89
  PALUXY        LOWER PALUXY   2911.62*      Max WS       760.31      760.25       0.05         0.00                850178.30
149393.50    50845.16     4656.61
  PALUXY        LOWER PALUXY   2906.63*      Max WS       760.30      760.25       0.05         0.00                850103.50
149465.50    50848.01     4659.34
  PALUXY        LOWER PALUXY   2901.65*      Max WS       760.30      760.25       0.05         0.00                850032.60
149532.50    50851.91     4662.06
  PALUXY        LOWER PALUXY   2896.67*      Max WS       760.30      760.25       0.05         0.00                849953.70
149613.00    50850.27     4664.79
  PALUXY        LOWER PALUXY   2891.69*      Max WS       760.30      760.25       0.05         0.00                849886.10
149679.10    50851.80     4667.51
  PALUXY        LOWER PALUXY   2886.71*      Max WS       760.30      760.25       0.05         0.00                849812.30
149747.90    50856.93     4670.23
  PALUXY        LOWER PALUXY   2881.73*      Max WS       760.30      760.25       0.05         0.00                849738.50
149821.10    50857.40     4672.96
  PALUXY        LOWER PALUXY   2876.75*      Max WS       760.30      760.25       0.05         0.00                849669.70
149887.70    50858.65     4675.68
  PALUXY        LOWER PALUXY   2871.77*      Max WS       760.30      760.25       0.05         0.00                849603.40
149955.70    50856.80     4678.40
  PALUXY        LOWER PALUXY   2866.79*      Max WS       760.30      760.25       0.05         0.00                849529.40
150028.80    50857.78     4681.13
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PALUXY	LOWER PALUXY	2861.81*	Max WS	760.30	760.25	0.05	0.00	849466.00	150091.80	50858.21	4683.85
PALUXY	LOWER PALUXY	2856.83*	Max WS	760.30	760.25	0.05	0.00	849394.90	150166.50	50854.57	4686.58
PALUXY	LOWER PALUXY	2851.85*	Max WS	760.30	760.25	0.05	0.00	849322.40	150238.60	50854.94	4689.30
PALUXY	LOWER PALUXY	2846.87*	Max WS	760.30	760.24	0.05	0.00	849258.10	150305.00	50852.85	4692.02
PALUXY	LOWER PALUXY	2841.89*	Max WS	760.30	760.24	0.05	0.00	849186.30	150378.80	50850.89	4694.75
PALUXY	LOWER PALUXY	2836.91*	Max WS	760.30	760.24	0.05	0.00	849126.80	150445.20	50843.94	4697.47
PALUXY	LOWER PALUXY	2831.93*	Max WS	760.30	760.24	0.05	0.00	849059.40	150515.20	50841.40	4700.19
PALUXY	LOWER PALUXY	2826.95*	Max WS	760.29	760.24	0.05	0.00	848997.50	150583.10	50835.39	4702.92
PALUXY	LOWER PALUXY	2821.97*	Max WS	760.29	760.24	0.05	0.00	848933.30	150653.30	50829.41	4705.64
PALUXY	LOWER PALUXY	2816.99*	Max WS	760.29	760.24	0.05	0.00	848872.70	150724.10	50819.24	4708.37
PALUXY	LOWER PALUXY	2812.00*	Max WS	760.29	760.24	0.05	0.00	848807.60	150792.50	50815.94	4711.09
PALUXY	LOWER PALUXY	2807.02*	Max WS	760.29	760.24	0.05	0.00	848739.90	150865.70	50810.41	4713.81
PALUXY	LOWER PALUXY	2802.04*	Max WS	760.29	760.24	0.05	0.00	848678.60	150931.80	50805.70	4716.54
PALUXY	LOWER PALUXY	2797.06*	Max WS	760.29	760.24	0.05	0.00	848618.40	150998.40	50799.25	4719.26
PALUXY	LOWER PALUXY	2792.08*	Max WS	760.29	760.24	0.05	0.00	848552.30	151072.60	50791.12	4721.98
PALUXY	LOWER PALUXY	2787.10*	Max WS	760.29	760.24	0.05	0.00	848495.30	151136.50	50784.12	4724.71
PALUXY	LOWER PALUXY	2782.12*	Max WS	760.29	760.24	0.05	0.00	848437.90	151204.20	50773.96	4727.43
PALUXY	LOWER PALUXY	2777.14*	Max WS	760.29	760.24	0.05	0.00	848372.60	151278.40	50763.88	4730.15
PALUXY	LOWER PALUXY	2772.16*	Max WS	760.29	760.24	0.05	0.00	848316.80	151344.80	50753.33	4732.88
PALUXY	LOWER PALUXY	2767.18*	Max WS	760.29	760.24	0.05	0.00	848255.30	151415.80	50743.86	4735.60
PALUXY	LOWER PALUXY	2762.20*	Max WS	760.29	760.23	0.05	0.00	848194.40	151487.90	50732.60	4738.33
PALUXY	LOWER PALUXY	2757.22*	Max WS	760.29	760.23	0.05	0.00	848140.10	151551.90	50723.00	4741.05
PALUXY	LOWER PALUXY	2752.24*	Max WS	760.29	760.23	0.05	0.00	848077.60	151622.50	50714.80	4743.77
PALUXY	LOWER PALUXY	2747.26*	Max WS	760.29	760.23	0.05	0.00	848027.70	151690.80	50696.50	4746.50
PALUXY	LOWER PALUXY	2742.28*	Max WS	760.28	760.23	0.05	0.00	847970.90	151761.20	50682.95	4749.22
PALUXY	LOWER PALUXY	2737.30*	Max WS	760.28	760.23	0.05	0.00	847919.60	151827.60	50667.84	4751.94
PALUXY	LOWER PALUXY	2732.32*	Max WS	760.28	760.23	0.05	0.00	847865.60	151893.60	50655.79	4754.67
PALUXY	LOWER PALUXY	2727.34*	Max WS	760.28	760.23	0.05	0.00	847809.80	151964.30	50640.82	4757.39
PALUXY	LOWER PALUXY	2722.36*	Max WS	760.28	760.23	0.05	0.00	847755.30	152032.00	50627.68	4760.12
PALUXY	LOWER PALUXY	2717.37*	Max WS	760.28	760.23	0.05	0.00	847692.80	152109.80	50612.44	4762.84
PALUXY	LOWER PALUXY	2712.39*	Max WS	760.28	760.23	0.05	0.00	847643.10	152173.20	50598.75	4765.56
PALUXY	LOWER PALUXY	2707.41*	Max WS	760.28	760.23	0.05	0.00	847593.30	152241.40	50580.36	4768.29
PALUXY	LOWER PALUXY	2702.43*	Max WS	760.28	760.23	0.05	0.00	847538.80	152314.00	50562.25	4771.01
PALUXY	LOWER PALUXY	2697.45*	Max WS	760.28	760.23	0.05	0.00	847489.90	152373.70	50551.35	4773.73
PALUXY	LOWER PALUXY	2692.47*	Max WS	760.28	760.23	0.05	0.00	847442.20	152440.40	50532.41	4776.46
PALUXY	LOWER PALUXY	2687.49*	Max WS	760.28	760.23	0.05	0.00	847386.60	152512.30	50516.22	4779.18
PALUXY	LOWER PALUXY	2682.51*	Max WS	760.28	760.23	0.05	0.00	847339.80	152577.70	50497.50	4781.91
PALUXY	LOWER PALUXY	2677.53*	Max WS	760.28	760.22	0.05	0.00	847286.10	152648.50	50479.50	4784.63
PALUXY	LOWER PALUXY	2672.55*	Max WS	760.28	760.22	0.05	0.00	847237.30	152716.10	50460.59	4787.35
PALUXY	LOWER PALUXY	2667.57*	Max WS	760.28	760.22	0.05	0.00	847190.90	152783.30	50439.82	4790.08
PALUXY	LOWER PALUXY	2662.59*	Max WS	760.27	760.22	0.05	0.00	847146.30	152855.30	50412.48	4792.80
PALUXY	LOWER PALUXY	2657.61*	Max WS	760.27	760.22	0.05	0.00	847097.50	152922.60	50393.99	4795.52
PALUXY	LOWER PALUXY	2652.63*	Max WS	760.27	760.22	0.05	0.00	847046.50	152992.40	50375.03	4798.25
PALUXY	LOWER PALUXY	2647.65*	Max WS	760.27	760.22	0.05	0.00	847003.20	153058.50	50352.31	4800.97
PALUXY	LOWER PALUXY	2642.67*	Max WS	760.27	760.22	0.05	0.00	846953.40	153126.90	50333.69	4803.70
PALUXY	LOWER PALUXY	2637.69*	Max WS	760.27	760.22	0.05	0.00	846911.90	153190.70	50311.41	4806.42
PALUXY	LOWER PALUXY	2632.71*	Max WS	760.27	760.22	0.05	0.00	846865.10	153258.00	50290.87	4809.14
PALUXY	LOWER PALUXY	2627.72*	Max WS	760.27	760.22	0.05	0.00	846823.40	153328.70	50261.96	4811.87
PALUXY	LOWER PALUXY	2622.74*	Max WS	760.27	760.22	0.05	0.00	846773.80	153398.40	50241.89	4814.59
PALUXY	LOWER PALUXY	2617.76*	Max WS	760.27	760.22	0.05	0.00	846736.00	153463.50	50214.45	4817.31
PALUXY	LOWER PALUXY	2612.78*	Max WS	760.27	760.22	0.05	0.00	846685.30	153536.90	50191.89	4820.04
PALUXY	LOWER PALUXY	2607.80*	Max WS	760.27	760.22	0.05	0.00	846644.40	153599.60	50170.01	4822.76
PALUXY	LOWER PALUXY	2602.82*	Max WS	760.27	760.22	0.05	0.00	846601.20	153666.50	50146.36	4825.49
PALUXY	LOWER PALUXY	2597.84*	Max WS	760.27	760.22	0.05	0.00	846556.40	153736.20	50121.39	4828.21
PALUXY	LOWER PALUXY	2592.86*	Max WS	760.27	760.22	0.05	0.00	846524.80	153798.80	50090.37	4830.93
PALUXY	LOWER PALUXY	2587.88*	Max WS	760.27	760.22	0.05	0.00	846480.50	153871.40	50062.11	4833.66
PALUXY	LOWER PALUXY	2582.90*	Max WS	760.27	760.21	0.05	0.00	846444.10	153934.50	50035.46	4836.38

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  PALUXY        LOWER PALUXY   2577.92*      Max WS       760.27      760.21       0.05        0.00                846402.40
154002.30    50009.32     4839.10
  PALUXY        LOWER PALUXY   2572.94*      Max WS       760.26      760.21       0.05        0.00                846359.30
154073.80    49981.01     4841.83
  PALUXY        LOWER PALUXY   2567.96*      Max WS       760.26      760.21       0.05        0.00                846317.60
154141.80    49954.71     4844.55
  PALUXY        LOWER PALUXY   2562.98*      Max WS       760.26      760.21       0.05        0.00                846282.60
154206.40    49924.02     4847.28
  PALUXY        LOWER PALUXY   2558          Max WS       760.26      760.21       0.05        0.04                846244.20
154273.10    49895.71     4850.00
  PALUXY        LOWER PALUXY   924           Max WS       760.07      760.06       0.01        0.00                446715.30
95510.38   108549.20     6450.00
  PALUXY        LOWER PALUXY   923.5*        Max WS       760.09      760.06       0.03        0.00                734369.00
157021.30   178435.80     6450.00
  PALUXY        LOWER PALUXY   923.*         Max WS       760.09      760.06       0.03        0.00                734364.30
157027.10   178434.50     6450.00
  PALUXY        LOWER PALUXY   922.5*        Max WS       760.09      760.06       0.04        0.00                737434.20
157690.40   179180.40     6450.00
  PALUXY        LOWER PALUXY   922.*         Max WS       760.09      760.06       0.03        0.00                734355.10
157038.90   178432.00     6450.00
  PALUXY        LOWER PALUXY   921.5*        Max WS       760.09      760.06       0.03        0.00                734350.60
157044.80   178430.70     6450.00
  PALUXY        LOWER PALUXY   921.*         Max WS       760.09      760.06       0.03        0.00                734345.90
157050.60   178429.50     6450.00
  PALUXY        LOWER PALUXY   920.5*        Max WS       760.09      760.06       0.03        0.00                734341.30
157056.50   178428.30     6450.00
  PALUXY        LOWER PALUXY   920.*         Max WS       760.09      760.06       0.03        0.00                734336.50
157062.40   178427.10     6450.00
  PALUXY        LOWER PALUXY   919.5*        Max WS       760.09      760.06       0.03        0.00                734332.00
157068.20   178425.80     6450.00
  PALUXY        LOWER PALUXY   919.*         Max WS       760.09      760.06       0.03        0.00                734327.30
157074.10   178424.60     6450.00
  PALUXY        LOWER PALUXY   918.5*        Max WS       760.09      760.05       0.03        0.00                734322.80
157080.00   178423.30     6450.00
  PALUXY        LOWER PALUXY   918.*         Max WS       760.09      760.05       0.04        0.00                737392.40
157743.50   179169.10     6450.00
  PALUXY        LOWER PALUXY   917.5*        Max WS       760.09      760.05       0.04        0.00                737387.80
157749.40   179167.90     6450.00
  PALUXY        LOWER PALUXY   917.*         Max WS       760.09      760.05       0.03        0.00                734308.90
157097.60   178419.50     6450.00
  PALUXY        LOWER PALUXY   916.5*        Max WS       760.09      760.05       0.03        0.00                734304.20
157103.40   178418.40     6450.00
  PALUXY        LOWER PALUXY   916.*         Max WS       760.09      760.05       0.03        0.00                734299.50
157109.30   178417.20     6450.00
  PALUXY        LOWER PALUXY   915.5*        Max WS       760.09      760.05       0.03        0.00                734294.90
157115.10   178416.00     6450.00
  PALUXY        LOWER PALUXY   915.*         Max WS       760.09      760.05       0.03        0.00                734290.30
157121.00   178414.70     6450.00
  PALUXY        LOWER PALUXY   914.5*        Max WS       760.09      760.05       0.03        0.00                734285.60
157126.90   178413.50     6450.00
  PALUXY        LOWER PALUXY   914.*         Max WS       760.09      760.05       0.03        0.00                734281.10
157132.80   178412.20     6450.00
  PALUXY        LOWER PALUXY   913.5*        Max WS       760.09      760.05       0.03        0.00                734276.40
157138.60   178411.00     6450.00
  PALUXY        LOWER PALUXY   913.*         Max WS       760.09      760.05       0.04        0.00                737345.90
157802.40   179156.70     6450.00
  PALUXY        LOWER PALUXY   912.5*        Max WS       760.09      760.05       0.03        0.00                734267.10
157150.30   178408.60     6450.00
  PALUXY        LOWER PALUXY   912.*         Max WS       760.09      760.05       0.03        0.00                734262.50
157156.20   178407.30     6450.00
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157162.10   178405.90     6450.00
  PALUXY        LOWER PALUXY   911.*         Max WS       760.09      760.05       0.03        0.00                734253.30
157168.00   178404.80     6450.00
  PALUXY        LOWER PALUXY   910.5*        Max WS       760.09      760.05       0.03        0.00                728561.80
155956.50   177021.80     6450.00
  PALUXY        LOWER PALUXY   910.*         Max WS       760.09      760.05       0.03        0.00                728557.10
155962.30   177020.60     6450.00
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157185.50   178401.30     6450.00
  PALUXY        LOWER PALUXY   909.*         Max WS       760.09      760.05       0.03        0.00                734234.70
157191.40   178399.90     6450.00
  PALUXY        LOWER PALUXY   908.5*        Max WS       760.09      760.05       0.03        0.00                734230.20
157197.30   178398.50     6450.00
  PALUXY        LOWER PALUXY   908.*         Max WS       760.09      760.05       0.04        0.00                737299.40
157861.30   179144.30     6450.00
  PALUXY        LOWER PALUXY   907.5*        Max WS       760.09      760.05       0.03        0.00                734220.90
157209.00   178396.20     6450.00
  PALUXY        LOWER PALUXY   907.*         Max WS       760.09      760.05       0.03        0.00                734216.30
157214.90   178394.80     6450.00
  PALUXY        LOWER PALUXY   906.5*        Max WS       760.09      760.05       0.03        0.00                734211.60
157220.70   178393.70     6450.00
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156008.80   177010.80     6450.00
  PALUXY        LOWER PALUXY   905.5*        Max WS       760.09      760.05       0.03        0.00                728515.80
156014.60   177009.60     6450.00
  PALUXY        LOWER PALUXY   905.*         Max WS       760.09      760.05       0.03        0.00                728511.30
156020.50   177008.30     6450.00
  PALUXY        LOWER PALUXY   904.5*        Max WS       760.09      760.05       0.03        0.00                734193.10
157244.20   178388.80     6450.00
  PALUXY        LOWER PALUXY   904.*         Max WS       760.09      760.05       0.03        0.00                734188.60
157250.00   178387.40     6450.00
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157255.90   178386.30     6450.00
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157920.10   179131.90     6450.00
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157267.60   178383.90     6450.00
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157273.50   178382.50     6450.00
  PALUXY        LOWER PALUXY   901.5*        Max WS       760.09      760.05       0.03        0.00                728479.20
156061.20   176999.60     6450.00
  PALUXY        LOWER PALUXY   901.*         Max WS       760.09      760.05       0.03        0.00                728474.60
156067.00   176998.50     6450.00
  PALUXY        LOWER PALUXY   900.5*        Max WS       760.09      760.05       0.03        0.00                728470.00
156072.80   176997.20     6450.00
  PALUXY        LOWER PALUXY   900.*         Max WS       760.09      760.05       0.03        0.00                734151.40
157296.90   178377.70     6450.00
  PALUXY        LOWER PALUXY   899.5*        Max WS       760.09      760.05       0.03        0.00                734146.80
157302.70   178376.50     6450.00
  PALUXY        LOWER PALUXY   899.*         Max WS       760.09      760.05       0.03        0.00                734142.20
157308.60   178375.20     6450.00
  PALUXY        LOWER PALUXY   898.5*        Max WS       760.09      760.05       0.03        0.00                734137.70
157314.50   178373.80     6450.00
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  PALUXY        LOWER PALUXY   898.*         Max WS       760.09      760.05       0.04         0.00                737206.60
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  PALUXY        LOWER PALUXY   897.5*        Max WS       760.09      760.05       0.04         0.00                737201.90
157984.90   179118.20     6450.00
  PALUXY        LOWER PALUXY   897.*         Max WS       760.09      760.05       0.03         0.00                734123.70
157332.00   178370.30     6450.00
  PALUXY        LOWER PALUXY   896.5*        Max WS       760.09      760.05       0.03         0.00                728433.30
156119.30   176987.50     6450.00
  PALUXY        LOWER PALUXY   896.*         Max WS       760.09      760.05       0.03         0.00                728428.80
156125.10   176986.20     6450.00
  PALUXY        LOWER PALUXY   895.5*        Max WS       760.09      760.05       0.03         0.00                734109.90
157349.60   178366.50     6450.00
  PALUXY        LOWER PALUXY   895.*         Max WS       760.09      760.05       0.03         0.00                728419.60
156136.80   176983.70     6450.00
  PALUXY        LOWER PALUXY   894.5*        Max WS       760.09      760.05       0.03         0.00                728415.00
156142.60   176982.40     6450.00
  PALUXY        LOWER PALUXY   894.*         Max WS       760.09      760.05       0.03         0.00                734096.10
157367.20   178362.70     6450.00
  PALUXY        LOWER PALUXY   893.5*        Max WS       760.09      760.05       0.03         0.00                734091.40
157373.00   178361.60     6450.00
  PALUXY        LOWER PALUXY   893.*         Max WS       760.09      760.05       0.04         0.00                737160.10
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158043.60   179105.90     6450.00
  PALUXY        LOWER PALUXY   892.*         Max WS       760.09      760.05       0.03         0.00                728391.90
156171.60   176976.40     6450.00
  PALUXY        LOWER PALUXY   891.5*        Max WS       760.09      760.05       0.03         0.00                728387.50
156177.40   176975.00     6450.00
  PALUXY        LOWER PALUXY   891.*         Max WS       760.09      760.05       0.03         0.00                734068.40
157402.30   178355.30     6450.00
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157408.20   178354.10     6450.00
  PALUXY        LOWER PALUXY   890.*         Max WS       760.09      760.05       0.03         0.00                728373.60
156194.80   176971.60     6450.00
  PALUXY        LOWER PALUXY   889.5*        Max WS       760.09      760.05       0.03         0.00                721249.70
154673.90   175240.40     6450.00
  PALUXY        LOWER PALUXY   889.*         Max WS       760.09      760.05       0.03         0.00                734049.80
157425.70   178350.50     6450.00
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157431.60   178349.10     6450.00
  PALUXY        LOWER PALUXY   888.*         Max WS       760.09      760.05       0.03         0.00                734040.60
157437.40   178348.00     6450.00
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158102.40   179093.40     6450.00
  PALUXY        LOWER PALUXY   887.*         Max WS       760.09      760.05       0.03         0.00                728346.10
156229.60   176964.30     6450.00
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156235.50   176962.90     6450.00
  PALUXY        LOWER PALUXY   886.*         Max WS       760.09      760.05       0.03         0.00                734022.30
157460.90   178342.90     6450.00
  PALUXY        LOWER PALUXY   885.5*        Max WS       760.08      760.05       0.03         0.00                721213.40
154719.80   175230.80     6450.00
  PALUXY        LOWER PALUXY   885.*         Max WS       760.08      760.05       0.03         0.00                721208.90
154725.60   175229.50     6450.00
  PALUXY        LOWER PALUXY   884.5*        Max WS       760.09      760.05       0.03         0.00                728323.40
156258.70   176957.90     6450.00
  PALUXY        LOWER PALUXY   884.*         Max WS       760.08      760.05       0.03         0.00                712917.90
152960.20   173214.90     6450.00
  PALUXY        LOWER PALUXY   883.5*        Max WS       760.09      760.05       0.03         0.00                733999.10
157490.10   178336.90     6450.00
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157495.90   178335.60     6450.00
  PALUXY        LOWER PALUXY   882.5*        Max WS       760.09      760.05       0.03         0.00                728304.90
156281.90   176953.30     6450.00
  PALUXY        LOWER PALUXY   882.*         Max WS       760.09      760.05       0.03         0.00                728300.40
156287.70   176951.90     6450.00
  PALUXY        LOWER PALUXY   881.5*        Max WS       760.09      760.05       0.04         0.00                737053.60
158173.00   179078.40     6450.00
  PALUXY        LOWER PALUXY   881.*         Max WS       760.08      760.05       0.03         0.00                721172.60
154771.60   175219.80     6450.00
  PALUXY        LOWER PALUXY   880.5*        Max WS       760.09      760.05       0.03         0.00                728286.60
156305.20   176948.20     6450.00
  PALUXY        LOWER PALUXY   880.*         Max WS       760.08      760.05       0.03         0.00                712882.00
153005.60   173205.40     6450.00
  PALUXY        LOWER PALUXY   879.5*        Max WS       760.08      760.05       0.03         0.00                703504.60
150999.50   170926.80     6450.00
  PALUXY        LOWER PALUXY   879.*         Max WS       760.08      760.05       0.03         0.00                703500.30
151005.20   170925.50     6450.00
  PALUXY        LOWER PALUXY   878.5*        Max WS       760.08      760.05       0.03         0.00                693217.40
148804.40   168427.10     6450.00
  PALUXY        LOWER PALUXY   878.*         Max WS       760.09      760.05       0.03         0.00                733948.30
157554.40   178323.30     6450.00
  PALUXY        LOWER PALUXY   877.5*        Max WS       760.08      760.05       0.03         0.00                728259.20
156339.90   176940.90     6450.00
  PALUXY        LOWER PALUXY   877.*         Max WS       760.08      760.05       0.03         0.00                721136.20
154817.50   175210.30     6450.00
  PALUXY        LOWER PALUXY   876.5*        Max WS       760.08      760.05       0.03         0.00                712850.60
153045.40   173196.90     6450.00
  PALUXY        LOWER PALUXY   876.*         Max WS       760.08      760.05       0.03         0.00                693195.70
148832.10   168421.30     6450.00
  PALUXY        LOWER PALUXY   875.5*        Max WS       760.08      760.05       0.03         0.00                670439.70
143952.50   162892.40     6450.00
  PALUXY        LOWER PALUXY   875.*         Max WS       760.08      760.05       0.02         0.00                620401.20
133214.30   150734.70     6450.00
  PALUXY        LOWER PALUXY   874.5*        Max WS       760.06      760.05       0.01         0.00                412178.50
88507.99   100144.10     6450.00
  PALUXY        LOWER PALUXY   874           Max WS       760.05      760.05       0.00                                   7.20
  1.55        1.75     6450.00


ERRORS WARNINGS AND NOTES
Errors Warnings and Notes for Plan : Rev 2

River: PALUXY  Reach: PALUXY RIVER     RS: 25092     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 22745     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 21047     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 19331     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
```

```
River: PALUXY  Reach: PALUXY RIVER     RS: 17277     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 15741     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 14471     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 14325.1*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 14179.2*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 14033.4*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 13887.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 13741.7*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 13595.8*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 13450     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 12129     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 11391     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 11366.1*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 11341.3*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 11316.4*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 11291.6*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 11266.8*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 11241.9*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 11217.1*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 11192.2*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 11167.4*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 11142.6*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 11117.7*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 11092.9*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 11068.0*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 11043.2*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 11018.4*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10993.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10968.7*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10943.8*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10919.0*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10894.2*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10869.3*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10844.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10819.6*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10794.8*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10770.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10745.1*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10720.3*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10695.4*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10670.6*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10645.8*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10620.9*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10596.1*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10571.2*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10546.4*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10521.6*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10496.7*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10471.9*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10447.0*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10422.2*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10397.4*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10372.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10347.7*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10322.8*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10298.0*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10273.2*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
```

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River: PALUXY  Reach: PALUXY RIVER     RS: 10248.3*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10223.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10198.6*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10173.8*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10149.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10124.1*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10099.3*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10074.4*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10049.6*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 10024.8*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9999.96*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9975.12*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9950.28*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9925.44*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9900.6*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9875.76*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9850.92*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9826.08*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9801.24*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9776.4*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9751.56*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9726.72*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9701.88*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9677.04*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9652.2*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9627.36*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9602.52*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9577.68*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9552.84*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9528.00*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9503.16*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9478.32*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9453.48*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9428.64*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9403.80*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9378.96*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9354.12*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9329.28*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9304.44*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9279.60*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9254.76*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9229.92*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9205.08*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9180.24*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9155.4*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9130.56*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9105.72*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9080.88*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9056.04*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9031.2*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 9006.35*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8981.52*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8956.68*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8931.84*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8907     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8861.14*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8815.28*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
```

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River: PALUXY  Reach: PALUXY RIVER     RS: 8769.42*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8723.57*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8677.71*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8631.85*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8586.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8540.14*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8494.28*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8448.42*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8402.57*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8356.71*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8310.85*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8265.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8219.14*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8173.28*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8127.42*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8081.57*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 8035.71*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7989.85*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7944     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7886.4*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7828.8*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7771.2*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7713.6*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7656.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7598.4*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7540.8*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7483.2*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7425.6*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7368.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7310.4*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7252.8*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7195.2*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7137.6*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7080     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7065.01*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7050.03*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7035.04*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7020.06*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 7005.07*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6990.09*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6975.10*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6960.12*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6945.13*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6930.15*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6915.16*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6900.18*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6885.19*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6870.21*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6855.22*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6840.24*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6825.25*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6810.27*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6795.28*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6780.30*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6765.31*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6750.33*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6735.34*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: PALUXY  Reach: PALUXY RIVER     RS: 6720.36*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6705.37*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6690.39*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6675.40*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6660.42*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6645.43*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6630.45*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6615.47*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6600.48*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6585.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6570.51*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6555.53*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6540.54*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6525.56*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6510.57*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6495.59*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6480.60*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6465.62*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6450.63*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6435.65*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6420.66*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6405.68*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6390.69*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6375.71*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6360.72*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6345.74*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6330.75*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6315.77*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6300.78*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6285.80*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6270.81*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6255.83*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6240.84*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6225.86*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6210.87*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6195.89*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6180.91*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6165.92*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6150.94*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6135.95*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6120.97*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6105.98*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6091.00*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6076.01*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6061.03*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6046.04*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6031.06*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6016.07*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 6001.09*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5986.10*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5971.12*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5956.13*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5941.15*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5926.16*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5911.18*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5896.19*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5881.21*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: PALUXY  Reach: PALUXY RIVER     RS: 5866.22*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5851.24*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5836.25*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5821.27*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5806.29*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5791.30*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5776.32*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5761.33*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5746.35*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5731.36*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5716.38*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5701.39*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5686.41*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5671.42*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5656.44*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5641.45*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5626.47*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5611.48*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5596.50*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5581.51*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5566.53*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5551.54*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5536.56*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5521.57*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5506.59*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5491.60*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5476.62*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5461.63*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5446.65*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5431.66*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5416.68*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5401.69*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5386.71*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5371.72*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5356.74*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5341.76*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5326.77*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5311.79*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5296.80*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5281.82*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5266.83*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5251.85*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5236.86*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5221.88*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5206.89*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5191.91*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5176.92*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5161.94*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5146.95*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5131.97*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5116.98*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: PALUXY RIVER     RS: 5102     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3838     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3833.02*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3828.03*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3823.05*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3818.07*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: PALUXY  Reach: LOWER PALUXY     RS: 3813.09*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3808.11*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3803.13*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3798.15*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3793.17*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3788.19*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3783.21*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3778.23*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3773.25*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3768.27*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3763.29*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3758.31*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3753.33*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3748.35*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3743.37*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3738.38*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3733.40*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3728.42*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3723.44*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3718.46*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3713.48*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3708.50*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3703.52*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3698.54*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3693.56*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3688.58*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3683.60*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3678.62*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3673.64*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3668.66*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3663.68*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3658.7*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3653.72*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3648.73*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3643.75*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3638.77*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3633.79*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3628.81*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3623.83*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3618.85*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3613.87*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3608.89*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3603.91*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3598.93*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3593.95*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3588.97*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3583.99*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3579.01*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3574.03*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3569.05*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3564.07*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3559.08*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3554.10*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3549.12*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3544.14*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3539.16*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3534.18*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: PALUXY  Reach: LOWER PALUXY     RS: 3529.20*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3524.22*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3519.24*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3514.26*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3509.28*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3504.30*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3499.32*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3494.34*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3489.36*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3484.38*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3479.40*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3474.42*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3469.44*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3464.45*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3459.47*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3454.49*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3449.51*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3444.53*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3439.55*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3434.57*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3429.59*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3424.61*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3419.63*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3414.65*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3409.67*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3404.69*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3399.71*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3394.73*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3389.75*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3384.77*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3379.79*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3374.81*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3369.82*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3364.84*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3359.86*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3354.88*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3349.90*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3344.92*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3339.94*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3334.96*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3329.98*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3325.00*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3320.02*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3315.04*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3310.06*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3305.08*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3300.10*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3295.12*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3290.14*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3285.16*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3280.17*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3275.19*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3270.21*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3265.23*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3260.25*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3255.27*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3250.29*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: PALUXY  Reach: LOWER PALUXY     RS: 3245.31*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3240.33*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3235.35*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3230.37*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3225.39*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3220.41*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3215.43*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3210.45*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3205.47*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3200.49*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3195.51*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3190.53*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3185.54*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3180.56*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3175.58*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3170.60*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3165.62*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3160.64*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3155.66*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3150.68*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3145.70*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3140.72*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3135.74*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3130.76*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3125.78*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3120.80*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3115.82*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3110.84*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3105.86*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3100.88*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3095.9*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3090.91*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3085.93*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3080.95*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3075.97*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3070.99*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3066.01*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3061.03*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3056.05*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3051.07*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3046.09*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3041.11*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3036.13*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3031.15*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3026.17*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3021.19*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3016.21*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3011.23*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3006.25*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 3001.27*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2996.28*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2991.30*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2986.32*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2981.34*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2976.36*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2971.38*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2966.40*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: PALUXY  Reach: LOWER PALUXY     RS: 2961.42*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2956.44*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2951.46*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2946.48*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2941.50*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2936.52*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2931.54*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2926.56*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2921.58*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2916.6*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2911.62*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2906.63*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2901.65*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2896.67*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2891.69*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2886.71*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2881.73*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2876.75*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2871.77*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2866.79*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2861.81*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2856.83*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2851.85*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2846.87*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2841.89*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2836.91*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2831.93*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2826.95*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2821.97*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2816.99*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2812.00*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2807.02*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2802.04*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2797.06*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2792.08*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2787.10*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2782.12*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2777.14*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2772.16*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2767.18*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2762.20*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2757.22*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2752.24*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2747.26*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2742.28*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2737.30*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2732.32*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2727.34*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2722.36*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2717.37*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2712.39*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2707.41*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2702.43*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2697.45*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2692.47*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2687.49*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2682.51*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: PALUXY  Reach: LOWER PALUXY     RS: 2677.53*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2672.55*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2667.57*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2662.59*     Profile: Max WS
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River: PALUXY  Reach: LOWER PALUXY     RS: 2657.61*     Profile: Max WS
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River: PALUXY  Reach: LOWER PALUXY     RS: 2652.63*     Profile: Max WS
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River: PALUXY  Reach: LOWER PALUXY     RS: 2647.65*     Profile: Max WS
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River: PALUXY  Reach: LOWER PALUXY     RS: 2642.67*     Profile: Max WS
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River: PALUXY  Reach: LOWER PALUXY     RS: 2637.69*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2632.71*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2627.72*     Profile: Max WS
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River: PALUXY  Reach: LOWER PALUXY     RS: 2622.74*     Profile: Max WS
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River: PALUXY  Reach: LOWER PALUXY     RS: 2617.76*     Profile: Max WS
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River: PALUXY  Reach: LOWER PALUXY     RS: 2612.78*     Profile: Max WS
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River: PALUXY  Reach: LOWER PALUXY     RS: 2607.80*     Profile: Max WS
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River: PALUXY  Reach: LOWER PALUXY     RS: 2602.82*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2597.84*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2592.86*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2587.88*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2582.90*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2577.92*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2572.94*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2567.96*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2562.98*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 2558     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 924     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 923.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 923.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 922.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 922.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 921.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 921.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 920.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 920.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 919.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 919.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 918.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 918.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 917.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 917.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 916.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 916.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 915.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 915.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 914.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 914.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 913.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 913.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 912.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 912.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 911.5*     Profile: Max WS
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River: PALUXY  Reach: LOWER PALUXY     RS: 911.*     Profile: Max WS
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River: PALUXY  Reach: LOWER PALUXY     RS: 910.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 910.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 909.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 909.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 908.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: PALUXY  Reach: LOWER PALUXY     RS: 908.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 907.5*     Profile: Max WS
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River: PALUXY  Reach: LOWER PALUXY     RS: 907.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 906.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 906.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 905.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 905.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 904.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 904.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 903.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 903.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 902.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 902.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 901.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 901.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 900.5*     Profile: Max WS
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River: PALUXY  Reach: LOWER PALUXY     RS: 900.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 899.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 899.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 898.5*     Profile: Max WS
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River: PALUXY  Reach: LOWER PALUXY     RS: 898.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 897.5*     Profile: Max WS
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River: PALUXY  Reach: LOWER PALUXY     RS: 897.*     Profile: Max WS
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River: PALUXY  Reach: LOWER PALUXY     RS: 896.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 896.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 895.5*     Profile: Max WS
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River: PALUXY  Reach: LOWER PALUXY     RS: 895.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 894.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 894.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 893.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 893.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 892.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 892.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 891.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 891.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 890.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 890.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 889.5*     Profile: Max WS
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River: PALUXY  Reach: LOWER PALUXY     RS: 889.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 888.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 888.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 887.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 887.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 886.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 886.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 885.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 885.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 884.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 884.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 883.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 883.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 882.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 882.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 881.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 881.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 880.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 880.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: PALUXY  Reach: LOWER PALUXY     RS: 879.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 879.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 878.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 878.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 877.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 877.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 876.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 876.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 875.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 875.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY  Reach: LOWER PALUXY     RS: 874.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 21993     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 19213     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 18923     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 18864     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 18691.3*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 18518.6*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 18346     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 17925     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 17511     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 17070     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 16659     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 16167     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 15599     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 14801     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 14323     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 13921     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 13504     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 13054     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 12713     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 12301     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 11565     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 11411     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 11002     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 10578     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 10312     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 10023     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 9191     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 8809     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 8282     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 7678     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 7370     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 6699     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 5861     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 5194     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4720     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4673.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4627.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4580.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4534.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4487.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4441.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4394.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4348.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4301.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4255     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4209.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: SQUAW CREEK  Reach: SC     RS: 4164.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4118.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4073.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 4027.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 3982.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 3936.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 3891     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 3443     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 3300     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 3057     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 2930     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 2688     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 2449     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 2196     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 2171.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 2146.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 2121.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 2096.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 2071.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 2046.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 2021.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1996.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1971.*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1946     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1941.04*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1936.09*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1931.14*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1926.19*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1921.24*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1916.29*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1911.34*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1906.39*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1901.44*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1896.49*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1891.54*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1886.59*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1881.64*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1876.69*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1871.74*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1866.79*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1861.83*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1856.88*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1851.93*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1846.98*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1842.03*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1837.08*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1832.13*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1827.18*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1822.23*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1817.28*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1812.33*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1807.38*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1802.43*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1797.48*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1792.53*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1787.58*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1782.63*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
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River: SQUAW CREEK  Reach: SC     RS: 1777.67*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1772.72*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1767.77*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1762.82*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1757.87*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1752.92*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1747.97*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1743.02*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1738.07*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1733.12*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1728.17*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1723.22*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1718.27*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1713.32*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1708.37*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1703.42*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1698.46*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1693.51*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1688.56*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1683.61*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1678.66*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1673.71*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1668.76*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1663.81*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1658.86*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1653.91*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1648.96*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1644.01*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1639.06*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1634.11*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1629.16*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1624.21*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1619.25*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1614.30*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1609.35*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1604.40*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1599.45*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1594.50*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1589.55*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1584.60*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1579.65*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1574.70*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1569.75*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1564.80*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1559.85*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1554.90*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1549.95*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1545     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1535.26*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1525.52*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1515.79*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1506.05*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1496.32*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1486.58*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1476.85*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1467.11*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1457.38*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
```

```
River: SQUAW CREEK  Reach: SC     RS: 1447.64*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1437.91*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1428.17*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1418.44*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1408.70*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1398.97*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1389.23*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1379.5*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1369.76*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1360.02*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1350.29*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1340.55*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1330.82*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1321.08*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1311.35*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1301.61*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1291.88*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1282.14*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1272.41*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1262.67*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1252.94*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1243.20*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1233.47*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1223.73*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1214     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1211.05*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1208.11*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1205.17*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1202.23*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1199.29*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1196.35*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1193.41*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1190.47*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1187.52*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1184.58*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1181.64*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1178.70*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1175.76*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1172.82*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1169.88*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1166.94*     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK  Reach: SC     RS: 1164     Profile: Max WS
     Warning:The cross-section end points had to be extended vertically for the computed water surface.
```

HEC-RAS Version 3.1.3 May 2005
U.S. Army Corp of Engineers
Hydrologic Engineering Center
609 Second Street
Davis, California

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X     X  XXXXXX    XXXX        XXXX       XX      XXXX
X     X  X        X    X       X   X     X  X    X
X     X  X        X            X   X    X    X   X
XXXXXXX  XXXX     X       XXX  XXXX     XXXXXX    XXXX
X     X  X        X            X  X     X    X        X
X     X  X        X    X       X   X    X    X        X
X     X  XXXXXX    XXXX        X    X   X    X   XXXXX
```

PROJECT DATA
Project Title: CPNPP_Rev2
Project File : Rev2.prj
Run Date and Time: 6/14/2010 5:16:23 PM

Project in English units

Project Description:

PLAN DATA

Plan Title: Plan 06
Plan File : C:\Documents and Settings\sbalan\Desktop\Hec Ras Rev 2 Unsteady State\Rev2.p06

Geometry Title: MITS004
Geometry File : C:\Documents and Settings\sbalan\Desktop\Hec Ras Rev 2 Unsteady State\Rev2.g27

Flow Title   :
Flow File   :

Plan Summary Information:

Number of:	Cross Sections =	910	Multiple Openings =	0
	Culverts =	0	Inline Structures =	0
	Bridges =	0	Lateral Structures =	0

Computational Information
Water surface calculation tolerance = 0.01
Critical depth calculation tolerance = 0.01
Maximum number of iterations = 20
Maximum difference tolerance = 0.3
Flow tolerance factor = 0.001

Computation Options
Critical depth computed only where necessary
Conveyance Calculation Method: At breaks in n values only
Friction Slope Method: Average Conveyance

Computational Flow Regime: Subcritical Flow

GEOMETRY DATA

Geometry Title: MITS004
Geometry File : C:\Documents and Settings\sbalan\Desktop\Hec Ras Rev 2 Unsteady State\Rev2.g27

Reach Connection Table

River	Reach	Upstream Boundary	Downstream Boundary
PALUXY	PALUXY RIVER		LP
PALUXY	LOWER PALUXY	LP	
SQUAW CREEK	SC		LP

JUNCTION INFORMATION

Name: LP
Description:
Energy computation Method

Length across Junction River	Reach	Tributary River	Reach	Length	Angle
PALUXY	PALUXY RIVER	to PALUXY	LOWER PALUXY	5	
SQUAW CREEK	SC	to PALUXY	LOWER PALUXY	5	

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 25092

INPUT
Description:
Station Elevation Data num= 20

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	710	50	710	350	700	600	660	700	660
800	650	950	650	1400	640	1600	640	1700	630
1800	612	1900	612	2000	633	2250	637	2350	635
2450	635	2600	660	2800	660	3800	680	4400	712

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1700	.15	2000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1700	2000	2347	2347	2347	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	762.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.07	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	762.76	Reach Len. (ft)	2347.00	2347.00	2347.00
Crit W.S. (ft)		Flow Area (sq ft)	168945.40	43278.61	

228053.90
E.G. Slope (ft/ft) 0.000103 Area (sq ft) 168945.40 43278.61
228053.90
Q Total (cfs) 944429.50 Flow (cfs) 356038.60 118543.60
469847.40
Top Width (ft) 4400.00 Top Width (ft) 1700.00 300.00
2400.00
Vel Total (ft/s) 2.15 Avg. Vel. (ft/s) 2.11 2.74
2.06
Max Chl Dpth (ft) 150.76 Hydr. Depth (ft) 99.38 144.26
95.02
Conv. Total (cfs) 93168740.0 Conv. (cfs) 35123500.0
11694420.0 46350830.0
Length Wtd. (ft) 2347.00 Wetted Per. (ft) 1757.22 303.79
2453.94
Min Ch El (ft) 612.00 Shear (lb/sq ft) 0.62 0.91
0.60
Alpha 1.03 Stream Power (lb/ft s) 1.30 2.50
1.23
Frctn Loss (ft) 0.24 Cum Volume (acre-ft) 175345.50 29085.70
109976.10
C & E Loss (ft) Cum SA (acres) 1558.11 178.85
1035.11

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 22745

INPUT
Description:
Station Elevation Data num= 18

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	736	300	710	550	690	800	690	1150	670
1800	640	2600	630	2750	620	2800	608	2900	608
2950	630	3000	636	3200	630	3400	630	3600	652
4000	676	4400	740	4600	740				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2600	.15	2950	.15

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
2600 2950 1698 1698 1698 .1 .3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft) 762.46 Element Left OB Channel
Right OB
Vel Head (ft) 0.07 Wt. n-Val. 0.150 0.150
0.150
W.S. Elev (ft) 762.38 Reach Len. (ft) 1698.00 1698.00
1698.00
Crit W.S. (ft) Flow Area (sq ft) 246047.00 50634.22
148682.80
E.G. Slope (ft/ft) 0.000103 Area (sq ft) 246047.00 50634.22

148682.80
Q Total (cfs) 944236.50 Flow (cfs) 509246.70 138450.20
296539.60
Top Width (ft) 4600.00 Top Width (ft) 2600.00 350.00
1650.00
Vel Total (ft/s) 2.12 Avg. Vel. (ft/s) 2.07 2.73
1.99
Max Chl Dpth (ft) 154.38 Hydr. Depth (ft) 94.63 144.67
90.11
Conv. Total (cfs) 93144400.0 Conv. (cfs) 50234740.0
13657450.0 29252210.0
Length Wtd. (ft) 1698.00 Wetted Per. (ft) 2629.63 356.38
1679.85
Min Ch El (ft) 608.00 Shear (lb/sq ft) 0.60 0.91
0.57
Alpha 1.04 Stream Power (lb/ft s) 1.24 2.49
1.13
Frctn Loss (ft) 0.16 Cum Volume (acre-ft) 164165.70 26555.71
99826.92
C & E Loss (ft) Cum SA (acres) 1442.27 161.34
926.00

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 21047

INPUT
Description:
Station Elevation Data num= 24

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	742	150	730	300	710	600	692	800	680
1400	662	1700	659	2800	650	3050	640	3200	630
3600	620	3700	620	3800	605	3900	605	4000	630
4100	650	4200	660	4300	705	4400	705	4450	700
4550	700	4900	710	5000	728	5200	742		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3600	.15	4000	.15

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
3600 4000 1716 1716 1716 .1 .3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft) 761.75 Element Left OB Channel
Right OB
Vel Head (ft) 0.06 Wt. n-Val. 0.150 0.150
0.150
W.S. Elev (ft) 761.69 Reach Len. (ft) 1716.00 1716.00
1716.00
Crit W.S. (ft) Flow Area (sq ft) 348977.20 59175.25
75000.73
E.G. Slope (ft/ft) 0.000088 Area (sq ft) 348977.20 59175.25
75000.73

Q Total (cfs)	944112.10	Flow (cfs)	683018.40	153115.10	107978.70
Top Width (ft)	5200.00	Top Width (ft)	3600.00	400.00	1200.00
Vel Total (ft/s)	1.95	Avg. Vel. (ft/s)	1.96	2.59	1.44
Max Chl Dpth (ft)	156.69	Hydr. Depth (ft)	96.94	147.94	62.50
Conv. Total (cfs)	100403300.0	Conv. (cfs)	72636830.0	16283300.0	11483190.0
Length Wtd. (ft)	1716.00	Wetted Per. (ft)	3623.37	404.20	1234.32
Min Ch El (ft)	605.00	Shear (lb/sq ft)	0.53	0.81	0.34
Alpha	1.07	Stream Power (lb/ft s)	1.04	2.09	0.48
Frctn Loss (ft)	0.12	Cum Volume (acre-ft)	152568.40	24415.48	95467.25
C & E Loss (ft)		Cum SA (acres)	1321.43	146.72	870.46

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 19331

INPUT
Description:
Station Elevation Data num= 20

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	716	250	700	400	700	1000	676	1600	660
2100	650	3000	650	3850	620	3900	605	3900	602
4100	602	4150	625	4400	653	4600	662	4700	664
4800	670	5100	670	5550	680	6000	700	6300	728

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3850	.15	4150	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3850	4150	2054	2054	2054	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	761.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	761.19	Reach Len. (ft)	2054.00	2054.00	2054.00
Crit W.S. (ft)		Flow Area (sq ft)	382722.60	46656.30	182853.50
E.G. Slope (ft/ft)	0.000054	Area (sq ft)	382722.60	46656.30	182853.50
Q Total (cfs)	944033.30	Flow (cfs)	593314.30	96091.98	254627.10

Top Width (ft)	6300.00	Top Width (ft)	3850.00	300.00	2150.00
Vel Total (ft/s)	1.54	Avg. Vel. (ft/s)	1.55	2.06	1.39
Max Chl Dpth (ft)	159.19	Hydr. Depth (ft)	99.41	155.52	85.05
Conv. Total (cfs)	128407800.0	Conv. (cfs)	80702850.0	13070470.0	34634480.0
Length Wtd. (ft)	2054.00	Wetted Per. (ft)	3897.02	310.24	2187.01
Min Ch El (ft)	602.00	Shear (lb/sq ft)	0.33	0.51	0.28
Alpha	1.04	Stream Power (lb/ft s)	0.51	1.05	0.39
Frctn Loss (ft)	0.11	Cum Volume (acre-ft)	138156.20	22330.92	90388.30
C & E Loss (ft)		Cum SA (acres)	1174.69	132.93	804.47

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 17277

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	200	720	500	690	800	680	1000	665
1200	650	2000	650	2200	620	2600	620	2800	610
2900	595	3000	595	3100	622	3300	638	3450	645
3600	650	4000	650	4600	660	4800	670	5150	690
5600	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2600	.15	3100	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2600	3100	1536	1536	1536	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	761.01	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150	
W.S. Elev (ft)	760.96	Reach Len. (ft)	1536.00	1536.00	1536.00	
Crit W.S. (ft)		Flow Area (sq ft)	256506.80	76882.09	237310.40	
E.G. Slope (ft/ft)	0.000058	Area (sq ft)	256506.80	76882.09	237310.40	
Q Total (cfs)	943971.80	Flow (cfs)	408450.10	165415.40	370106.30	
Top Width (ft)	5600.00	Top Width (ft)	2600.00	500.00	2500.00	

```
2500.00
  Vel Total (ft/s)            1.65    Avg. Vel. (ft/s)            1.59       2.15
   1.56
  Max Chl Dpth (ft)         165.96    Hydr. Depth (ft)           98.66     153.76
  94.92
  Conv. Total (cfs)       123926300.0    Conv. (cfs)             53622070.0
21716040.0   48588220.0
  Length Wtd. (ft)         1536.00    Wetted Per. (ft)         2645.99     504.95
2525.52
  Min Ch El (ft)            595.00    Shear (lb/sq ft)            0.35       0.55
   0.34
  Alpha                       1.05    Stream Power (lb/ft s)      0.56       1.19
   0.53
  Frctn Loss (ft)             0.10    Cum Volume (acre-ft)    123085.30   19418.29
80482.23
  C & E Loss (ft)                     Cum SA (acres)           1022.62     114.07
 694.84


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 15741

INPUT
Description:
Station Elevation Data    num=      30
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     200     720     450     710     700     708     800     704
     900     700     950     690    1200     690    1450     680    1475     670
    1575     670    1575     630    1900     620    2400     610    2450     600
    2550     593    2650     593    2700     600    2800     620    3000     625
    3050     625    3100     620    3200     620    3550     640    3600     640
    3800     650    4000     650    4300     660    4600     660    5600     750

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2400     .15    2800     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2400    2800             1270    1270    1270             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.82    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.05    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.77    Reach Len. (ft)          1270.00    1270.00
1270.00
  Crit W.S. (ft)                      Flow Area (sq ft)       212056.70   64284.45
270291.20
  E.G. Slope (ft/ft)      0.000067    Area (sq ft)            212056.70   64284.45
270291.20
  Q Total (cfs)           943938.80    Flow (cfs)              332633.80   152818.40
  458486.60
  Top Width (ft)           5600.00    Top Width (ft)           2400.00     400.00
```

```
2800.00
  Vel Total (ft/s)            1.73    Avg. Vel. (ft/s)            1.57       2.38
   1.70
  Max Chl Dpth (ft)         167.77    Hydr. Depth (ft)           88.36     160.71
  96.53
  Conv. Total (cfs)       115559900.0    Conv. (cfs)             40722070.0
18708510.0   56129360.0
  Length Wtd. (ft)         1270.00    Wetted Per. (ft)         2484.51     403.70
2816.12
  Min Ch El (ft)            593.00    Shear (lb/sq ft)            0.36       0.66
   0.40
  Alpha                       1.07    Stream Power (lb/ft s)      0.56       1.58
   0.68
  Frctn Loss (ft)             0.07    Cum Volume (acre-ft)    114824.10   16929.41
71532.79
  C & E Loss (ft)                     Cum SA (acres)            934.46      98.20
 601.40


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 14471

INPUT
Description:
Station Elevation Data    num=      18
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     100     720     550     670     650     670    2000     640
    2200     640    2750     630    2800     630    2800     620    3000     610
    3050     590    3200     590    3450     615    4400     630    4650     630
    4800     640    5000     740    5200     750

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3000     .15    3450     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3000    3450           145.86  145.86  145.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.70    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.66    Reach Len. (ft)           145.86     145.86
 145.86
  Crit W.S. (ft)                      Flow Area (sq ft)       314235.90   73172.90
200033.50
  E.G. Slope (ft/ft)      0.000048    Area (sq ft)            314235.90   73172.90
200033.50
  Q Total (cfs)           943916.20    Flow (cfs)              474937.80   148929.20
  320049.20
  Top Width (ft)           5200.00    Top Width (ft)           3000.00     450.00
1750.00
  Vel Total (ft/s)            1.61    Avg. Vel. (ft/s)            1.51       2.04
```

```
   1.60
  Max Chl Dpth (ft)         170.66    Hydr. Depth (ft)          104.75     162.61
 114.30
  Conv. Total (cfs)       135843100.0    Conv. (cfs)             68350390.0
21433050.0   46059690.0
  Length Wtd. (ft)          145.86    Wetted Per. (ft)         3054.11     455.10
1784.97
  Min Ch El (ft)            590.00    Shear (lb/sq ft)            0.31       0.48
   0.34
  Alpha                       1.03    Stream Power (lb/ft s)      0.47       0.99
   0.54
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    107152.00   14925.61
64676.59
  C & E Loss (ft)                     Cum SA (acres)            855.75      85.81
 535.07
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 14325.1*

INPUT
Description:
Station Elevation Data num= 37

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	110.48	718.35	382.42	690.84	478.02	682.32	607.62	668.47
637.36	667.86	718.1	667.5	1115.38	658.86	1338.46	655.02	1529.67	650.29
1529.67	649.72	1593.41	647.77	1848.35	643.37	1912.09	642.56	2209.52	637.83
2230.77	637.86	2294.51	638.57	2430.48	638.57	3038.1	630	3059.34	630
3093.33	629.62	3093.33	621.05	3123.08	619.56	3250.55	613.04	3314.29	610
3364.29	589.71	3521.43	589.71	3757.14	613.57	4440.91	625.33	4699.39	629.21
4861.69	629.43	4947.35	629.89	4966.88	631.13	5096.12	645.01	5282.47	734.81
5294.49	740.02	5492.86	748.86						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3314.29	.15	3757.14	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3314.29	3757.14	145.86	145.86	145.86	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.69    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.66    Reach Len. (ft)           145.86     145.86
 145.86
  Crit W.S. (ft)                      Flow Area (sq ft)       353639.50   72384.27
198632.00
  E.G. Slope (ft/ft)      0.000042    Area (sq ft)            353639.50   72384.27
198632.00
  Q Total (cfs)           943913.40    Flow (cfs)              507540.30   138441.10
  297932.00
  Top Width (ft)           5492.86    Top Width (ft)           3314.29     442.85
```

```
1735.72
  Vel Total (ft/s)            1.51    Avg. Vel. (ft/s)            1.44       1.91
   1.50
  Max Chl Dpth (ft)         170.95    Hydr. Depth (ft)          106.70     163.45
 114.44
  Conv. Total (cfs)       145027400.0    Conv. (cfs)             77980910.0
21270760.0   45775700.0
  Length Wtd. (ft)          145.86    Wetted Per. (ft)         3367.25     448.01
1770.22
  Min Ch El (ft)            589.71    Shear (lb/sq ft)            0.28       0.43
   0.30
  Alpha                       1.03    Stream Power (lb/ft s)      0.40       0.82
   0.45
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    106033.80   14681.91
64009.13
  C & E Loss (ft)                     Cum SA (acres)            845.17      84.32
 529.23


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 14179.2*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  120.95   716.7  418.68  689.04  523.35   681.6  665.24  666.94
   697.8  665.71  786.19  664.99 1221.15  655.72 1465.38  652.52 1674.73  646.91
 1674.73  645.77 1744.51  643.14 2023.63  639.47 2093.41  639.13 2419.05  635.66
 2442.31  635.71 2512.09  637.14 2660.95  637.14 3326.19     630 3349.45     630
 3386.67  629.24 3386.67   622.1 3419.23  620.47 3558.79   613.2 3628.57     610
 3678.57  589.43 3842.86  589.43 4064.29  612.14 4742.42  624.78 4998.78  628.42
 5159.74  628.86 5244.69  629.79 5264.07  630.94 5392.24  650.01 5577.06  735.67
 5588.98  740.03 5785.71  747.71

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3628.57     .15 4064.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3628.57 4064.29           145.86  145.86  145.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.68    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.65    Reach Len. (ft)           145.86     145.86
 145.86
  Crit W.S. (ft)                      Flow Area (sq ft)       394274.40   71575.88
197228.00
  E.G. Slope (ft/ft)      0.000037    Area (sq ft)            394274.40   71575.88
197228.00
  Q Total (cfs)           943910.30    Flow (cfs)              537593.40   128750.70
```

```
  277566.20
  Top Width (ft)           5785.71    Top Width (ft)           3628.57     435.72
1721.42
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.36       1.80
   1.41
  Max Chl Dpth (ft)         171.22    Hydr. Depth (ft)          108.66     164.27
 114.57
  Conv. Total (cfs)       154681500.0    Conv. (cfs)             88097100.0
21098770.0   45485620.0
  Length Wtd. (ft)          145.86    Wetted Per. (ft)         3680.53     440.95
1755.76
  Min Ch El (ft)            589.43    Shear (lb/sq ft)            0.25       0.38
   0.26
  Alpha                       1.03    Stream Power (lb/ft s)      0.34       0.68
   0.37
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    104781.60   14440.89
63346.36
  C & E Loss (ft)                     Cum SA (acres)            833.55      82.85
 523.45


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 14033.4*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  131.43  715.05  454.95  687.23  568.68  680.88  722.86  665.41
  758.24  663.57  854.29  662.49 1326.92  652.58 1592.31  650.01 1819.78  643.53
 1819.78  641.81  1895.6  638.51  2198.9  635.58 2274.73   635.7 2628.57  633.49
 2653.85  633.57 2729.67  635.71 2891.43  635.71 3614.29     630 3639.56     630
    3680  628.86    3680  623.14 3715.38  621.37 3867.03  613.36 3942.86     610
 3992.86  589.14 4164.29  589.14 4371.43  610.71 5043.94  624.22 5298.16  627.62
 5457.79  628.29 5542.04  629.68 5561.26  630.75 5688.37  655.02 5871.65  736.54
 5883.47  740.05 6078.57  746.57

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 3942.86     .15 4371.43     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       3942.86 4371.43           145.86  145.86  145.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.68    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.65    Reach Len. (ft)           145.86     145.86
 145.86
  Crit W.S. (ft)                      Flow Area (sq ft)       436142.60   70747.01
195825.90
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            436142.60   70747.01
```

```
195825.90
  Q Total (cfs)           943906.70    Flow (cfs)              565302.30   119796.30
  258808.20
  Top Width (ft)           6078.57    Top Width (ft)           3942.86     428.57
1707.14
  Vel Total (ft/s)            1.34    Avg. Vel. (ft/s)            1.30       1.69
   1.32
  Max Chl Dpth (ft)         171.51    Hydr. Depth (ft)          110.62     165.08
 114.71
  Conv. Total (cfs)       164815800.0    Conv. (cfs)             98707560.0
20917650.0   45190560.0
  Length Wtd. (ft)          145.86    Wetted Per. (ft)         3993.94     433.87
1741.64
  Min Ch El (ft)            589.14    Shear (lb/sq ft)            0.22       0.33
   0.23
  Alpha                       1.02    Stream Power (lb/ft s)      0.29       0.57
   0.30
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    103391.30   14202.60
62688.30
  C & E Loss (ft)                     Cum SA (acres)            820.87      81.40
 517.71


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 13887.5*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   141.9   713.4  491.21  685.42  614.01  680.16  780.48  663.88
  818.68  661.43  922.38  659.98 1432.69  649.43 1719.23  647.51 1964.84  640.15
 1964.84  637.86  2046.7  633.88 2374.18  631.68 2456.04  632.28  2838.1  631.31
 2865.38  631.43 2947.25  634.29  3121.9  634.29 3902.38     630 3929.67     630
 3973.33  628.48 3973.33  624.19 4011.54  622.28 4175.27  613.52 4257.14     610
 4307.14  588.86 4485.71  588.86 4678.57  609.29 5345.45  623.67 5597.55  626.83
 5755.84  627.71 5839.39  629.58 5858.44  630.56 5984.49  660.03 6166.23   737.4
 6177.96  740.07 6371.43  745.43

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 4257.14     .15 4678.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       4257.14 4678.57           145.86  145.86  145.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.67    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.64    Reach Len. (ft)          145.86     145.86
 145.86
  Crit W.S. (ft)                      Flow Area (sq ft)       479240.70   69895.57
```

```
194411.30
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            479240.70   69895.57
194411.30
  Q Total (cfs)           943902.90    Flow (cfs)              590885.90   111513.80
  241503.20
  Top Width (ft)           6371.43    Top Width (ft)           4257.14     421.43
1692.86
  Vel Total (ft/s)            1.27    Avg. Vel. (ft/s)            1.23       1.60
   1.24
  Max Chl Dpth (ft)         171.78    Hydr. Depth (ft)          112.57     165.85
 114.84
  Conv. Total (cfs)       175431000.0    Conv. (cfs)             109820300.0
20725630.0   44885070.0
  Length Wtd. (ft)          145.86    Wetted Per. (ft)         4307.41     426.79
1727.85
  Min Ch El (ft)            588.86    Shear (lb/sq ft)            0.20       0.30
   0.20
  Alpha                       1.02    Stream Power (lb/ft s)      0.25       0.47
   0.25
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    101858.70   13967.13
62034.95
  C & E Loss (ft)                     Cum SA (acres)            807.15      79.98
 512.01


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 13741.7*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  152.38  711.75  527.47  683.61  659.34  679.44   838.1  662.35
  879.12  659.29  990.48  657.48 1538.46  646.29 1846.15  645.01 2109.89  636.76
 2109.89  633.91  2197.8  629.26 2549.45  627.79 2637.36  628.85 3047.62  629.14
 3076.92  629.29 3164.84  632.86 3352.38  632.86 4190.48     630 4219.78     630
 4266.67   628.1 4266.67  625.24 4307.69  623.19 4483.52  613.68 4571.43     610
 4621.43  588.57 4807.14  588.57 4985.71  607.86 5646.97  623.11 5896.94  626.04
  6053.9  627.14 6136.73  629.47 6155.63  630.38 6280.61  665.03 6460.82  738.27
 6472.45  740.08 6664.29  744.29

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 4571.43     .15 4985.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       4571.43 4985.71           145.86  145.86  145.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.66    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.64    Reach Len. (ft)           145.86     145.86
```

```
 145.86
  Crit W.S. (ft)                      Flow Area (sq ft)       523568.60   69026.41
193002.30
  E.G. Slope (ft/ft)      0.000026    Area (sq ft)            523568.60   69026.41
193002.30
  Q Total (cfs)           943898.80    Flow (cfs)              614491.60   103856.70
  225550.60
  Top Width (ft)           6664.29    Top Width (ft)           4571.43     414.28
1678.58
  Vel Total (ft/s)            1.20    Avg. Vel. (ft/s)            1.17       1.50
   1.17
  Max Chl Dpth (ft)         172.07    Hydr. Depth (ft)          114.53     166.62
 114.98
  Conv. Total (cfs)       186544400.0    Conv. (cfs)             121443100.0
20525380.0   44575970.0
  Length Wtd. (ft)          145.86    Wetted Per. (ft)         4620.95     419.72
1714.40
  Min Ch El (ft)            588.57    Shear (lb/sq ft)            0.18       0.26
   0.18
  Alpha                       1.02    Stream Power (lb/ft s)      0.21       0.40
   0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    100179.80   13734.54
61386.32
  C & E Loss (ft)                     Cum SA (acres)            792.36      78.58
 506.37


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 13595.8*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  162.86   710.1  563.74  681.81  704.67  678.72  895.71  660.82
  939.56  657.14 1058.57  654.97 1644.23  643.14 1973.08   642.5 2254.95  633.38
 2254.95  629.95  2348.9  624.63 2724.73   623.9 2818.68  625.43 3257.14  626.97
 3288.46  627.14 3382.42  631.43 3582.86  631.43 4478.57     630 4509.89     630
    4560  627.71    4560  626.29 4603.85  624.09 4791.76  613.84 4885.71     610
 4935.71  588.29 5128.57  588.29 5292.86  606.43 5948.48  622.56 6196.33  625.25
 6351.95  626.57 6434.08  629.36 6452.81  630.19 6576.73  670.04 6755.41  739.13
 6766.94   740.1 6957.14  743.14

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 4885.71     .15 5292.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       4885.71 5292.86           145.86  145.86  145.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.66    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150
```

```
  0.150
  W.S. Elev (ft)            760.64    Reach Len. (ft)           145.86     145.86
 145.86
  Crit W.S. (ft)                      Flow Area (sq ft)       569137.30   68137.42
191583.80
  E.G. Slope (ft/ft)      0.000023    Area (sq ft)            569137.30   68137.42
191583.80
  Q Total (cfs)           943894.30    Flow (cfs)              636317.30   96766.56
 210810.50
  Top Width (ft)           6957.14    Top Width (ft)           4885.71     407.15
1664.28
  Vel Total (ft/s)            1.14    Avg. Vel. (ft/s)            1.12       1.42
   1.10
  Max Chl Dpth (ft)         172.35    Hydr. Depth (ft)          116.49     167.35
 115.12
  Conv. Total (cfs)       198160800.0    Conv. (cfs)             133588200.0
20315140.0   44257480.0
  Length Wtd. (ft)          145.86    Wetted Per. (ft)         4934.54     412.66
1701.27
  Min Ch El (ft)            588.29    Shear (lb/sq ft)            0.16       0.23
   0.16
  Alpha                       1.02    Stream Power (lb/ft s)      0.18       0.33
   0.18
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    98350.34   13504.90
60742.43
  C & E Loss (ft)                     Cum SA (acres)            776.53      77.20
 500.77


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 13450

INPUT
Description:
Station Elevation Data    num=      25
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680     750     678    1000     655    1750     640
    2100     640    2400     630    2400     626    2500     620    2900     620
    3000     622    3500     625    3600     630    4800     630    4900     625
    5100     614    5200     610    5250     588    5450     588    5600     605
    6250     622    6650     626    6750     630    7050     740    7250     742

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5200     .15    5600     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5200    5600             1321    1321    1321             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.65    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                  0.150      0.150
  0.150
```

W.S. Elev (ft)	760.63	Reach Len. (ft)	1321.00	1321.00	1321.00
Crit W.S. (ft)		Flow Area (sq ft)	615936.40	67227.80	190167.80
E.G. Slope (ft/ft)	0.000020	Area (sq ft)	615936.40	67227.80	190167.80
Q Total (cfs)	943889.40	Flow (cfs)	656491.50	90199.02	197198.90
Top Width (ft)	7250.00	Top Width (ft)	5200.00	400.00	1650.00
Vel Total (ft/s)	1.08	Avg. Vel. (ft/s)	1.07	1.34	1.04
Max Chl Dpth (ft)	172.63	Hydr. Depth (ft)	118.45	168.07	115.25
Conv. Total (cfs)	210288700.0	Conv. (cfs)	146259400.0	20095400.0	43933840.0
Length Wtd. (ft)	1321.00	Wetted Per. (ft)	5248.19	405.59	1688.50
Min Ch El (ft)	588.00	Shear (lb/sq ft)	0.15	0.21	0.14
Alpha	1.02	Stream Power (lb/ft s)	0.16	0.28	0.15
Frctn Loss (ft)	0.02	Cum Volume (acre-ft)	96366.23	13278.26	60103.29
C & E Loss (ft)		Cum SA (acres)	759.64	75.85	495.22

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 12129

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	770	400	740	1200	665	1200	650	1700	630
2100	630	2400	620	3250	620	4100	615	4200	610
4400	610	5000	620	5800	620	6400	610	7150	610
7200	583	7400	583	7500	620	7800	715	8000	740
8200	745								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	7150	.15	7500	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
7150	7500	738	738	738	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.60	Reach Len. (ft)	738.00	738.00	

```
 738.00
  Crit W.S. (ft)                      Flow Area (sq ft)       888738.50   59634.22
38168.45
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            888738.50   59634.22
38168.45
  Q Total (cfs)           943838.40    Flow (cfs)              855094.90   68364.81
 20378.69
  Top Width (ft)           8074.64    Top Width (ft)           7024.64     350.00
 700.00
  Vel Total (ft/s)            0.96    Avg. Vel. (ft/s)            0.96       1.15
   0.53
  Max Chl Dpth (ft)         177.60    Hydr. Depth (ft)          126.52     170.38
  54.53
  Conv. Total (cfs)       244436000.0    Conv. (cfs)             221453200.0
17705170.0   5277690.0
  Length Wtd. (ft)          738.00    Wetted Per. (ft)         7044.79     363.45
 731.90
  Min Ch El (ft)            583.00    Shear (lb/sq ft)            0.12       0.15
   0.05
  Alpha                       1.03    Stream Power (lb/ft s)      0.11       0.18
   0.03
  Frctn Loss (ft)             0.01    Cum Volume (acre-ft)    73550.86   11354.66
56641.02
  C & E Loss (ft)                     Cum SA (acres)            574.28      64.48
 459.59


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11391

INPUT
Description:
Station Elevation Data    num=      20
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     748     400     700     550     700     600     730     800     730
    1100     620    1800     610    2400     610    2600     612    2800     613
    2950     610    4200     610    4650     615    5000     612    5400     610
    6300     610    6400     582    6600     582    6675     610    6850     730

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    6300     .15    6675     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          6300    6675             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.59    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)            24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       833615.30   64516.68
```

```
15851.12
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            833615.30   64516.68
15851.12
  Q Total (cfs)           943807.40    Flow (cfs)              855586.80   78014.92
 10205.70
  Top Width (ft)           6850.00    Top Width (ft)           6300.00     375.00
 175.00
  Vel Total (ft/s)            1.03    Avg. Vel. (ft/s)            1.03       1.21
   0.64
  Max Chl Dpth (ft)         178.58    Hydr. Depth (ft)          132.32     172.04
  90.58
  Conv. Total (cfs)       235459300.0    Conv. (cfs)             213450200.0
19463020.0   2546099.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         6343.45     383.90
 242.77
  Min Ch El (ft)            582.00    Shear (lb/sq ft)            0.13       0.17
   0.07
  Alpha                       1.01    Stream Power (lb/ft s)      0.14       0.20
   0.04
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    58960.67   10302.96
56183.42
  C & E Loss (ft)                     Cum SA (acres)            461.41      58.34
 452.18


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11366.1*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  747.82  293.86  712.84  398.03  700.28  547.29  700.12  597.05  729.76
  796.06  729.54 1094.59  620.31 1371.34  616.07 1791.14  610.02 2388.19  609.91
 2448.83   610.5 2587.21  611.88 2786.22  612.87 2935.48   609.9 3036.55   609.9
 3918.12     610 4179.33     610 4627.12  614.95  4975.4  611.98 5373.43     610
 5485.38     610 5681.28   609.9    6269   609.9  6368.5  581.97    6568  581.97
 6644.25   609.9 6659.64  618.15 6664.04  620.58 6679.43  628.84 6705.81  642.81
  6714.6  647.57 6732.19  656.99 6749.78  666.41 6758.57   671.1 6769.57  676.84
 6773.96  679.17 6784.96  685.04 6789.35  687.37 6802.54  694.31 6811.34  698.82
 6817.93  702.31 6820.13   703.6 6822.33  704.74 6837.72  712.89 6855.31  722.91
  6868.5   729.9

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    6269     .15 6644.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          6269 6644.25             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.59    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150
```

```
  0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)            24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       829704.20   64568.01
20356.69
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            829704.20   64568.01
20356.69
  Q Total (cfs)           943806.30    Flow (cfs)              851784.60   78106.09
 13915.56
  Top Width (ft)           6868.50    Top Width (ft)           6269.00     375.25
 224.25
  Vel Total (ft/s)            1.03    Avg. Vel. (ft/s)            1.03       1.21
   0.68
  Max Chl Dpth (ft)         178.61    Hydr. Depth (ft)          132.35     172.07
  90.78
  Conv. Total (cfs)       235435700.0    Conv. (cfs)             212480600.0
19483830.0   3471283.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         6312.26     384.05
 285.03
  Min Ch El (ft)            581.97    Shear (lb/sq ft)            0.13       0.17
   0.07
  Alpha                       1.01    Stream Power (lb/ft s)      0.14       0.20
   0.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    58486.41   10266.16
56173.09
  C & E Loss (ft)                     Cum SA (acres)            457.82      58.12
 452.06


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11341.3*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  747.64  292.41  713.11  396.06  700.57  544.59  700.24   594.1  729.52
  792.13  729.08 1089.17  620.62 1364.56  616.11 1782.29  610.04 2376.38  609.82
 2436.72   610.4 2574.41  611.76 2772.44  612.74 2920.97   609.8 3021.53   609.8
 3898.75     610 4158.67     610 4604.24   614.9 4950.79  611.96 5346.86     610
 5458.25     610 5653.19   609.8    6238   609.8    6337  581.94    6536  581.94
  6613.5   609.8 6632.27  618.07 6637.63  620.58  6656.4  628.85 6688.58  642.68
  6699.3  647.49 6720.75  656.92 6742.21  666.34 6752.93  671.03 6766.34  676.62
  6771.7  678.92 6785.11  684.79 6790.47  687.09 6806.56  693.91 6817.28  698.22
 6825.33  701.68 6828.01  703.08 6830.69  704.19 6849.46  712.26 6870.91  722.88
    6887   729.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    6238     .15  6613.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          6238  6613.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
```

E.G. Elev (ft)	760.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.58	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	825791.70	64619.40	24881.84
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	825791.70	64619.40	24881.84
Q Total (cfs)	943805.30	Flow (cfs)	847956.00	78194.85	17654.42
Top Width (ft)	6887.00	Top Width (ft)	6238.00	375.50	273.50
Vel Total (ft/s)	1.03	Avg. Vel. (ft/s)	1.03	1.21	0.71
Max Chl Dpth (ft)	178.64	Hydr. Depth (ft)	132.38	172.09	90.98
Conv. Total (cfs)	235418600.0	Conv. (cfs)	211510400.0	19504580.0	4403641.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	6281.08	384.20	329.49
Min Ch El (ft)	581.94	Shear (lb/sq ft)	0.13	0.17	0.08
Alpha	1.01	Stream Power (lb/ft s)	0.14	0.20	0.05
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	58014.39	10229.33	56160.20
C & E Loss (ft)		Cum SA (acres)	454.26	57.91	451.92

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 11316.4*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	747.46	290.95	713.39	394.1	700.85	541.88	700.35	591.14	729.29
788.19	728.62	1083.76	620.92	1357.78	616.15	1773.43	610.07	2364.57	609.73
2424.61	610.29	2561.62	611.64	2758.67	612.61	2906.45	609.7	3006.52	609.7
3879.38	610	4138	610	4581.36	614.85	4926.19	611.94	5320.29	610
5431.12	610	5625.09	609.7	6207	609.7	6305.5	581.91	6504	581.91
6582.75	609.7	6604.9	617.99	6611.23	620.57	6633.38	628.86	6671.35	642.55
6684	647.42	6709.32	656.85	6734.63	666.28	6747.29	670.96	6763.11	676.4
6769.44	678.68	6785.26	684.54	6791.59	686.82	6810.57	693.51	6823.23	697.63
6832.72	701.05	6835.89	702.55	6839.05	703.64	6861.2	711.62	6886.51	722.85
6905.5	729.7								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	6207	.15	6582.75	.15

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.

```
          6207 6582.75            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.59    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.58    Reach Len. (ft)            24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       821875.10   64670.86
29426.45
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            821875.10   64670.86
29426.45
  Q Total (cfs)           943804.30    Flow (cfs)              844111.90   78282.76
 21409.72
  Top Width (ft)           6905.50    Top Width (ft)           6207.00     375.75
 322.75
  Vel Total (ft/s)            1.03    Avg. Vel. (ft/s)            1.03       1.21
   0.73
  Max Chl Dpth (ft)         178.67    Hydr. Depth (ft)          132.41     172.11
  91.17
  Conv. Total (cfs)       235403400.0    Conv. (cfs)             210538100.0
19525260.0   5340005.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         6249.92     384.35
 375.31
  Min Ch El (ft)            581.91    Shear (lb/sq ft)            0.13       0.17
   0.08
  Alpha                       1.01    Stream Power (lb/ft s)      0.14       0.20
   0.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    57544.60   10192.46
56144.71
  C & E Loss (ft)                     Cum SA (acres)            450.71      57.69
 451.75


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11291.6*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  747.28   289.5  713.66  392.13  701.14  539.17  700.47  588.19  729.05
  784.25  728.16 1078.35  621.23    1351  616.19 1764.57  610.09 2352.76  609.65
  2412.5  610.18 2548.83  611.52 2744.89  612.48 2891.94   609.6  2991.5   609.6
    3860     610 4117.33     610 4558.48   614.8 4901.59  611.92 5293.71     610
    5404     610    5597   609.6    6176   609.6    6274  581.88    6472  581.88
    6552   609.6 6577.53  617.91 6584.82  620.56 6610.35  628.87 6654.12  642.42
 6668.71  647.34 6697.88  656.78 6727.06  666.21 6741.65  670.89 6759.88  676.18
 6767.18  678.44 6785.41  684.28 6792.71  686.54 6814.59  693.12 6829.18  697.04
 6840.12  700.42 6843.76  702.03 6847.41  703.08 6872.94  710.99 6902.12  722.82
    6924   729.6

Manning's n Values        num=       3
```

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	6176	.15	6552	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
6176	6552	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.58	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	817956.40	64722.38	33990.99
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	817956.40	64722.38	33990.99
Q Total (cfs)	943803.30	Flow (cfs)	840253.90	78369.41	25180.01
Top Width (ft)	6924.00	Top Width (ft)	6176.00	376.00	372.00
Vel Total (ft/s)	1.03	Avg. Vel. (ft/s)	1.03	1.21	0.74
Max Chl Dpth (ft)	178.70	Hydr. Depth (ft)	132.44	172.13	91.37
Conv. Total (cfs)	235391200.0	Conv. (cfs)	209565200.0	19545880.0	6280073.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	6218.74	384.51	422.01
Min Ch El (ft)	581.88	Shear (lb/sq ft)	0.13	0.17	0.08
Alpha	1.01	Stream Power (lb/ft s)	0.14	0.20	0.06
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	57077.05	10155.57	56126.63
C & E Loss (ft)		Cum SA (acres)	447.18	57.48	451.55

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 11266.8*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	747.1	288.05	713.93	390.16	701.42	536.47	700.59	585.24	728.81
780.32	727.7	1072.94	621.54	1344.22	616.23	1755.71	610.11	2340.95	609.56
2400.39	610.08	2536.03	611.4	2731.11	612.35	2877.42	609.5	2976.48	609.5
3840.62	610	4096.67	610	4535.6	614.75	4876.98	611.9	5267.14	610
5376.88	610	5568.91	609.5	6145	609.5	6242.5	581.85	6440	581.85
6521.25	609.5	6550.16	617.82	6558.42	620.56	6587.33	628.88	6636.89	642.29
6653.41	647.26	6686.45	656.71	6719.49	666.15	6736	670.82	6756.65	675.96
6764.91	678.19	6785.56	684.03	6793.82	686.26	6818.6	692.72	6835.12	696.44

```
 6847.51  699.79 6851.64  701.51 6855.77  702.53 6884.68  710.35 6917.72  722.79
  6942.5   729.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    6145     .15 6521.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          6145 6521.25            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.59    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.57    Reach Len. (ft)             24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       814039.40   64774.01
38575.30
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            814039.40   64774.01
38575.30
  Q Total (cfs)           943802.30    Flow (cfs)              836381.90   78454.39
 28965.96
  Top Width (ft)           6942.50    Top Width (ft)           6145.00     376.25
 421.25
  Vel Total (ft/s)            1.03    Avg. Vel. (ft/s)            1.03       1.21
   0.75
  Max Chl Dpth (ft)         178.72    Hydr. Depth (ft)          132.47     172.16
  91.57
  Conv. Total (cfs)       235383600.0    Conv. (cfs)             208593000.0
19566470.0   7224089.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         6187.56     384.67
 469.30
  Min Ch El (ft)            581.85    Shear (lb/sq ft)            0.13       0.17
   0.08
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.20
   0.06
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    56611.73   10118.65
56105.94
  C & E Loss (ft)                     Cum SA (acres)            443.67      57.27
 451.33



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11241.9*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  746.92  286.59  714.21  388.19   701.7  533.76  700.71  582.29  728.57
  776.38  727.24 1067.52  621.85 1337.44  616.27 1746.86  610.13 2329.14  609.47
 2388.28  609.97 2523.24  611.28 2717.33  612.22  2862.9   609.4 2961.47   609.4
 3821.25     610    4076     610 4512.71   614.7 4852.38  611.88 5240.57     610
```

5349.75	610	5540.81	609.4	6114	609.4	6211	581.82	6408	581.82		
6490.5	609.4	6522.79	617.74	6532.02	620.55	6564.3	628.89	6619.66	642.16		
6638.11	647.19	6675.01	656.64	6711.91	666.08	6730.36	670.75	6753.43	675.74		
6762.65	677.95	6785.72	683.78	6794.94	685.99	6822.62	692.32	6841.07	695.85		
6854.91	699.16	6859.52	700.99	6864.13	701.98	6896.42	709.72	6933.32	722.76		
6961	729.4										

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	6114	.15	6490.5	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
6114	6490.5	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.57	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	810120.30	64825.65	43178.45
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	810120.30	64825.65	43178.45
Q Total (cfs)	943801.20	Flow (cfs)	832494.90	78538.05	32768.22
Top Width (ft)	6961.00	Top Width (ft)	6114.00	376.50	470.50
Vel Total (ft/s)	1.03	Avg. Vel. (ft/s)	1.03	1.21	0.76
Max Chl Dpth (ft)	178.75	Hydr. Depth (ft)	132.50	172.18	91.77
Conv. Total (cfs)	235379100.0	Conv. (cfs)	207619900.0	19586980.0	8172224.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	6156.39	384.83	517.03
Min Ch El (ft)	581.82	Shear (lb/sq ft)	0.13	0.17	0.08
Alpha	1.02	Stream Power (lb/ft s)	0.14	0.20	0.06
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	56148.64	10081.69	56082.63
C & E Loss (ft)		Cum SA (acres)	440.17	57.05	451.07

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 11217.1*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev

0	746.74	285.14	714.48	386.22	701.99	531.06	700.82	579.33	728.34
772.44	726.78	1062.11	622.16	1330.66	616.3	1738	610.15	2317.33	609.38
2376.17	609.87	2510.44	611.16	2703.56	612.09	2848.39	609.3	2946.45	609.3
3801.88	610	4055.33	610	4489.83	614.65	4827.78	611.86	5214	610
5322.62	610	5512.72	609.3	6083	609.3	6179.5	581.79	6376	581.79
6459.75	609.3	6495.42	617.66	6505.61	620.55	6541.28	628.91	6602.43	642.04
6622.81	647.11	6663.57	656.56	6704.34	666.02	6724.72	670.67	6750.2	675.51
6760.39	677.7	6785.87	683.52	6796.06	685.71	6826.63	691.93	6847.01	695.25
6862.3	698.54	6867.4	700.47	6872.49	701.42	6908.16	709.08	6948.93	722.74
6979.5	729.3								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	6083	.15	6459.75	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
6083	6459.75	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.57	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	806200.40	64877.35	47801.39
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	806200.40	64877.35	47801.39
Q Total (cfs)	943800.10	Flow (cfs)	828590.80	78620.08	36589.28
Top Width (ft)	6979.50	Top Width (ft)	6083.00	376.75	519.75
Vel Total (ft/s)	1.03	Avg. Vel. (ft/s)	1.03	1.21	0.77
Max Chl Dpth (ft)	178.78	Hydr. Depth (ft)	132.53	172.20	91.97
Conv. Total (cfs)	235378800.0	Conv. (cfs)	206646100.0	19607430.0	9125172.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	6125.23	385.00	565.06
Min Ch El (ft)	581.79	Shear (lb/sq ft)	0.13	0.17	0.08
Alpha	1.02	Stream Power (lb/ft s)	0.14	0.20	0.06
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	55687.79	10044.71	56056.69
C & E Loss (ft)		Cum SA (acres)	436.69	56.84	450.79

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 11192.2*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	746.56	283.69	714.76	384.25	702.27	528.35	700.94	576.38	728.1
768.51	726.33	1056.7	622.47	1323.88	616.34	1729.14	610.18	2305.52	609.29
2364.06	609.76	2497.65	611.04	2689.78	611.96	2833.87	609.2	2931.44	609.2
3782.5	610	4034.67	610	4466.95	614.6	4803.17	611.84	5187.43	610
5295.5	610	5484.62	609.2	6052	609.2	6148	581.76	6344	581.76
6429	609.2	6468.05	617.58	6479.21	620.54	6518.25	628.92	6585.2	641.91
6607.51	647.04	6652.14	656.49	6696.76	665.95	6719.08	670.6	6746.97	675.29
6758.13	677.46	6786.02	683.27	6797.18	685.44	6830.65	691.53	6852.96	694.66
6869.7	697.91	6875.27	699.95	6880.85	700.87	6919.9	708.45	6964.53	722.71
6998	729.2								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	6052	.15	6429	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
6052	6429	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.57	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	802268.90	64929.13	52443.57
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	802268.90	64929.13	52443.57
Q Total (cfs)	943799.10	Flow (cfs)	824666.80	78701.93	40430.38
Top Width (ft)	6998.00	Top Width (ft)	6052.00	377.00	569.00
Vel Total (ft/s)	1.03	Avg. Vel. (ft/s)	1.03	1.21	0.77
Max Chl Dpth (ft)	178.81	Hydr. Depth (ft)	132.56	172.23	92.17
Conv. Total (cfs)	235378600.0	Conv. (cfs)	205667600.0	19627850.0	10083130.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	6094.06	385.16	613.33
Min Ch El (ft)	581.76	Shear (lb/sq ft)	0.13	0.17	0.09
Alpha	1.02	Stream Power (lb/ft s)	0.14	0.21	0.07
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	55229.18	10007.70	56028.11
C & E Loss (ft)		Cum SA (acres)	433.23	56.62	450.48

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 11167.4*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	746.38	282.23	715.03	382.29	702.56	525.64	701.06	573.43	727.86
764.57	725.87	1051.29	622.77	1317.09	616.38	1720.29	610.2	2293.71	609.2
2351.95	609.65	2484.86	610.92	2676	611.83	2819.36	609.1	2916.42	609.1
3763.12	610	4014	610	4444.07	614.55	4778.57	611.82	5160.86	610
5268.38	610	5456.53	609.1	6021	609.1	6116.5	581.73	6312	581.73
6398.25	609.1	6440.68	617.49	6452.8	620.54	6495.23	628.93	6567.97	641.78
6592.21	646.96	6640.7	656.42	6689.19	665.89	6713.44	670.53	6743.74	675.07
6755.87	677.21	6786.17	683.02	6798.29	685.16	6834.66	691.13	6858.91	694.06
6877.09	697.28	6883.15	699.43	6889.21	700.32	6931.64	707.81	6980.13	722.68
7016.5	729.1								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	6021	.15	6398.25	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
6021	6398.25	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.57	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	798347.40	64981.02	57106.35
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	798347.40	64981.02	57106.35
Q Total (cfs)	943798.10	Flow (cfs)	820725.30	78780.38	44292.44
Top Width (ft)	7016.50	Top Width (ft)	6021.00	377.25	618.25
Vel Total (ft/s)	1.03	Avg. Vel. (ft/s)	1.03	1.21	0.78
Max Chl Dpth (ft)	178.84	Hydr. Depth (ft)	132.59	172.25	92.37
Conv. Total (cfs)	235388300.0	Conv. (cfs)	204693300.0	19648250.0	11046770.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	6062.90	385.33	661.78
Min Ch El (ft)	581.73	Shear (lb/sq ft)	0.13	0.17	0.09
Alpha	1.02	Stream Power (lb/ft s)	0.14	0.21	0.07
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	54772.80	9970.66	55996.87
C & E Loss (ft)		Cum SA (acres)	429.79	56.41	450.14

Warning: The cross-section end points had to be extended vertically for the computed

water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 11142.6*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	746.2	280.78	715.31	380.32	702.84	522.94	701.18	570.48	727.62
760.63	725.41	1045.87	623.08	1310.31	616.42	1711.43	610.22	2281.9	609.11
2339.84	609.55	2472.06	610.8	2662.22	611.7	2804.84	609	2901.41	609
3743.75	610	3993.33	610	4421.19	614.5	4753.97	611.8	5134.29	610
5241.25	610	5428.44	609	5990	609	6085	581.7	6280	581.7
6367.5	609	6413.31	617.41	6426.4	620.53	6472.21	628.94	6550.74	641.65
6576.91	646.88	6629.26	656.35	6681.62	665.82	6707.79	670.46	6740.51	674.85
6753.6	676.97	6786.32	682.76	6799.41	684.88	6838.68	690.74	6864.85	693.47
6884.49	696.65	6891.03	698.91	6897.57	699.76	6943.38	707.18	6995.74	722.65
7035	729								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	5990	.15	6367.5	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
5990	6367.5	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.57	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	794419.70	65032.94	61788.55
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	794419.70	65032.94	61788.55
Q Total (cfs)	943797.00	Flow (cfs)	816763.40	78857.60	48176.03
Top Width (ft)	7035.00	Top Width (ft)	5990.00	377.50	667.50
Vel Total (ft/s)	1.02	Avg. Vel. (ft/s)	1.03	1.21	0.78
Max Chl Dpth (ft)	178.87	Hydr. Depth (ft)	132.62	172.27	92.57
Conv. Total (cfs)	235400900.0	Conv. (cfs)	203716300.0	19668580.0	12016020.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	6031.73	385.50	710.37
Min Ch El (ft)	581.70	Shear (lb/sq ft)	0.13	0.17	0.09
Alpha	1.02	Stream Power (lb/ft s)	0.14	0.21	0.07
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	54318.66	9933.59	55962.97
C & E Loss (ft)		Cum SA (acres)	426.37	56.19	449.78

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 11117.7*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	746.02	279.33	715.58	378.35	703.12	520.23	701.3	567.52	727.39
756.7	724.95	1040.46	623.39	1303.53	616.46	1702.57	610.24	2270.1	609.02
2327.73	609.44	2459.27	610.68	2648.44	611.57	2790.33	608.9	2886.39	608.9
3724.38	610	3972.67	610	4398.31	614.45	4729.37	611.78	5107.71	610
5214.12	610	5400.34	608.9	5959	608.9	6053.5	581.67	6248	581.67
6336.75	608.9	6385.94	617.33	6399.99	620.52	6449.18	628.95	6533.5	641.52
6561.61	646.81	6617.83	656.28	6674.04	665.76	6702.15	670.39	6737.29	674.63
6751.34	676.73	6786.48	682.51	6800.53	684.61	6842.69	690.34	6870.8	692.88
6891.88	696.02	6898.91	698.38	6905.93	699.21	6955.12	706.54	7011.34	722.62
7053.5	728.9								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	5959	.15	6336.75	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
5959	6336.75	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.57	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	790490.40	65084.95	66489.43
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	790490.40	65084.95	66489.43
Q Total (cfs)	943795.90	Flow (cfs)	812782.40	78933.16	52080.33
Top Width (ft)	7053.50	Top Width (ft)	5959.00	377.75	716.75
Vel Total (ft/s)	1.02	Avg. Vel. (ft/s)	1.03	1.21	0.78
Max Chl Dpth (ft)	178.90	Hydr. Depth (ft)	132.65	172.30	92.77
Conv. Total (cfs)	235418100.0	Conv. (cfs)	202738500.0	19688890.0	12990790.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	6000.58	385.68	759.07
Min Ch El (ft)	581.67	Shear (lb/sq ft)	0.13	0.17	0.09
Alpha	1.02	Stream Power (lb/ft s)	0.14	0.21	0.07

```
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    53866.77    9896.49
55926.40
  C & E Loss (ft)                      Cum SA (acres)            422.96      55.98
 449.38


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 11092.9*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  745.84  277.88  715.85  376.38  703.41  517.52  701.41  564.57  727.15
  752.76  724.49 1035.05   623.7 1296.75   616.5 1693.71  610.26 2258.29  608.94
 2315.62  609.34 2446.48  610.56 2634.67  611.44 2775.81   608.8 2871.38   608.8
    3705     610    3952     610 4375.43   614.4 4704.76  611.76 5081.14     610
    5187     610 5372.25   608.8    5928   608.8    6022  581.64    6216  581.64
    6306   608.8 6358.57  617.25 6373.59  620.52 6426.16  628.96 6516.27  641.39
 6546.31  646.73 6606.39  656.21 6666.47  665.69 6696.51  670.32 6734.06  674.41
 6749.08  676.48 6786.63  682.26 6801.65  684.33 6846.71  689.94 6876.75  692.28
 6899.27  695.39 6906.78  697.86 6914.29  698.66 6966.86  705.91 7026.94  722.59
    7072   728.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5928     .15    6306     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5928    6306            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.59    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.57    Reach Len. (ft)             24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       786556.70   65137.00
71210.79
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            786556.70   65137.00
71210.79
  Q Total (cfs)           943794.90    Flow (cfs)              808779.80   79007.08
 56007.99
  Top Width (ft)           7072.00    Top Width (ft)           5928.00     378.00
 766.00
  Vel Total (ft/s)            1.02    Avg. Vel. (ft/s)            1.03       1.21
   0.79
  Max Chl Dpth (ft)         178.93    Hydr. Depth (ft)          132.69     172.32
  92.96
  Conv. Total (cfs)       235439800.0    Conv. (cfs)            201758800.0
19709170.0   13971800.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5969.42     385.85
 807.87
```

Min Ch El (ft)	581.64	Shear (lb/sq ft)	0.13	0.17	0.09
Alpha	1.02	Stream Power (lb/ft s)	0.14	0.21	0.07
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	53417.12	9859.36	55887.14
C & E Loss (ft)		Cum SA (acres)	419.57	55.76	448.96

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 11068.0*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	745.66	276.42	716.13	374.41	703.69	514.82	701.53	561.62	726.91
748.83	724.03	1029.63	624.01	1289.97	616.54	1684.86	610.29	2246.48	608.85
2303.52	609.23	2433.68	610.44	2620.89	611.31	2761.29	608.7	2856.36	608.7
3685.62	610	3931.33	610	4352.55	614.35	4680.16	611.74	5054.57	610
5159.88	610	5344.16	608.7	5897	608.7	5990.5	581.61	6184	581.61
6275.25	608.7	6331.2	617.16	6347.18	620.51	6403.13	628.98	6499.04	641.26
6531.01	646.65	6594.96	656.14	6658.9	665.63	6690.87	670.24	6730.83	674.19
6746.82	676.24	6786.78	682.01	6802.76	684.05	6850.72	689.54	6882.69	691.69
6906.67	694.76	6914.66	697.34	6922.65	698.11	6978.6	705.27	7042.54	722.56
7090.5	728.7								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	5897	.15	6275.25	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
5897	6275.25	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.59	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150	
W.S. Elev (ft)	760.57	Reach Len. (ft)	24.84	24.84	24.84	
Crit W.S. (ft)		Flow Area (sq ft)	782619.10	65189.14	75951.53	
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	782619.10	65189.14	75951.53	
Q Total (cfs)	943793.80	Flow (cfs)	804756.40	79079.42	59957.93	
Top Width (ft)	7090.50	Top Width (ft)	5897.00	378.25	815.25	
Vel Total (ft/s)	1.02	Avg. Vel. (ft/s)	1.03	1.21	0.79	
Max Chl Dpth (ft)	178.96	Hydr. Depth (ft)	132.71	172.34	93.16	

Conv. Total (cfs)	235465700.0	Conv. (cfs)	200777500.0	19729410.0	14958820.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	5938.26	386.03	856.74
Min Ch El (ft)	581.61	Shear (lb/sq ft)	0.13	0.17	0.09
Alpha	1.02	Stream Power (lb/ft s)	0.14	0.21	0.07
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	52969.71	9822.20	55845.18
C & E Loss (ft)		Cum SA (acres)	416.20	55.54	448.51

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 11043.2*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	745.48	274.97	716.4	372.44	703.98	512.11	701.65	558.67	726.67
744.89	723.57	1024.22	624.32	1283.19	616.58	1676	610.31	2234.67	608.76
2291.41	609.12	2420.89	610.32	2607.11	611.18	2746.78	608.6	2841.34	608.6
3666.25	610	3910.67	610	4329.67	614.3	4655.56	611.72	5028	610
5132.75	610	5316.06	608.6	5866	608.6	5959	581.58	6152	581.58
6244.5	608.6	6303.83	617.08	6320.78	620.51	6380.11	628.99	6481.81	641.13
6515.72	646.58	6583.52	656.07	6651.32	665.56	6685.23	670.17	6727.6	673.97
6744.55	675.99	6786.93	681.75	6803.88	683.78	6854.74	689.15	6888.64	691.09
6914.06	694.13	6922.54	696.82	6931.01	697.55	6990.34	704.64	7058.15	722.53
7109	728.6								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	5866	.15	6244.5	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
5866	6244.5	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.57	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	778684.90	65241.33	80711.58
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	778684.90	65241.33	80711.58
Q Total (cfs)	943792.80	Flow (cfs)	800714.30	79149.09	63929.40
Top Width (ft)	7109.00	Top Width (ft)	5866.00	378.50	864.50

```
  Vel Total (ft/s)            1.02    Avg. Vel. (ft/s)            1.03       1.21
   0.79
  Max Chl Dpth (ft)         178.99    Hydr. Depth (ft)          132.75     172.37
  93.36
  Conv. Total (cfs)       235499200.0    Conv. (cfs)             199797600.0
19749620.0   15951940.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5907.10     386.21
 905.68
  Min Ch El (ft)            581.58    Shear (lb/sq ft)            0.13       0.17
   0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.21
   0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    52524.54    9785.02
55800.51
  C & E Loss (ft)                     Cum SA (acres)            412.84      55.33
 448.03
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 11018.4*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	745.3	273.52	716.68	370.48	704.26	509.4	701.77	555.71	726.44
740.95	723.11	1018.81	624.62	1276.41	616.62	1667.14	610.33	2222.86	608.67
2279.3	609.02	2408.1	610.2	2593.33	611.05	2732.26	608.5	2826.33	608.5
3646.88	610	3890	610	4306.79	614.25	4630.95	611.7	5001.43	610
5105.62	610	5287.97	608.5	5835	608.5	5927.5	581.55	6120	581.55
6213.75	608.5	6276.46	617	6294.38	620.5	6357.08	629	6464.58	641
6500.42	646.5	6572.08	656	6643.75	665.5	6679.58	670.1	6724.38	673.75
6742.29	675.75	6787.08	681.5	6805	683.5	6858.75	688.75	6894.58	690.5
6921.46	693.5	6930.42	696.3	6939.38	697	7002.08	704	7073.75	722.5
7127.5	728.5								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	5835	.15	6213.75	.15

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5835 6213.75             24.84   24.84   24.84             .1       .3
```

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.59    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.57    Reach Len. (ft)             24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       774748.80   65293.63
85491.64
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            774748.80   65293.63
85491.64
```

```
  Q Total (cfs)           943791.60    Flow (cfs)              796650.80   79216.89
 67923.93
  Top Width (ft)           7127.50    Top Width (ft)           5835.00     378.75
 913.75
  Vel Total (ft/s)            1.02    Avg. Vel. (ft/s)            1.03       1.21
   0.79
  Max Chl Dpth (ft)         179.02    Hydr. Depth (ft)          132.78     172.39
  93.56
  Conv. Total (cfs)       235538000.0    Conv. (cfs)             198816700.0
19769820.0   16951480.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5875.96     386.39
 954.67
  Min Ch El (ft)            581.55    Shear (lb/sq ft)            0.13       0.17
   0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.21
   0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    52081.62    9747.80
55753.12
  C & E Loss (ft)                     Cum SA (acres)            409.51      55.11
 447.52


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10993.5*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  745.12  272.06  716.95  368.51  704.54   506.7  701.88  552.76   726.2
  737.02  722.65  1013.4  624.93 1269.62  616.66 1658.29  610.35 2211.05  608.58
 2267.19  608.91  2395.3  610.08 2579.56  610.92 2717.75   608.4 2811.31   608.4
  3627.5     610 3869.33     610  4283.9   614.2 4606.35  611.68 4974.86     610
  5078.5     610 5259.88   608.4    5804   608.4    5896  581.52    6088  581.52
    6183   608.4 6249.09  616.92 6267.97  620.49 6334.06  629.01 6447.35  640.87
 6485.12  646.42 6560.65  655.93 6636.18  665.44 6673.94  670.03 6721.15  673.53
 6740.03  675.51 6787.24  681.25 6806.12  683.22 6862.76  688.35 6900.53  689.91
 6928.85  692.87 6938.29  695.78 6947.74  696.45 7013.82  703.36 7089.35  722.47
    7146   728.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5804     .15    6183     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5804    6183            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.58    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.57    Reach Len. (ft)            24.84      24.84
  24.84
```

```
  Crit W.S. (ft)                      Flow Area (sq ft)       770811.80   65345.90
90291.27
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            770811.80   65345.90
90291.27
  Q Total (cfs)           943790.60    Flow (cfs)              792567.50   79282.40
 71940.73
  Top Width (ft)           7146.00    Top Width (ft)           5804.00     379.00
 963.00
  Vel Total (ft/s)            1.02    Avg. Vel. (ft/s)            1.03       1.21
   0.80
  Max Chl Dpth (ft)         179.05    Hydr. Depth (ft)          132.81     172.42
  93.76
  Conv. Total (cfs)       235582700.0    Conv. (cfs)             197835400.0
19789940.0   17957370.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5844.81     386.58
1003.71
  Min Ch El (ft)            581.52    Shear (lb/sq ft)            0.13       0.17
   0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.21
   0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    51640.95    9710.55
55703.00
  C & E Loss (ft)                     Cum SA (acres)            406.19      54.90
 446.99
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 10968.7*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	744.94	270.61	717.23	366.54	704.83	503.99	702	549.81	725.96
733.08	722.19	1007.98	625.24	1262.84	616.7	1649.43	610.38	2199.24	608.49
2255.08	608.81	2382.51	609.96	2565.78	610.79	2703.23	608.3	2796.3	608.3
3608.12	610	3848.67	610	4261.02	614.15	4581.75	611.66	4948.29	610
5051.38	610	5231.78	608.3	5773	608.3	5864.5	581.49	6056	581.49
6152.25	608.3	6221.72	616.84	6241.57	620.49	6311.03	629.02	6430.12	640.74
6469.82	646.35	6549.21	655.86	6628.6	665.37	6668.3	669.96	6717.92	673.31
6737.77	675.26	6787.39	680.99	6807.24	682.95	6866.78	687.96	6906.48	689.31
6936.25	692.24	6946.17	695.26	6956.1	695.89	7025.56	702.73	7104.96	722.44
7164.5	728.3								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	5773	.15	6152.25	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
5773	6152.25	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.58    Element                    Left OB    Channel
Right OB
```

Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.57	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	766864.80	65398.31	95109.91
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	766864.80	65398.31	95109.91
Q Total (cfs)	943789.50	Flow (cfs)	788462.10	79347.23	75980.24
Top Width (ft)	7164.50	Top Width (ft)	5773.00	379.25	1012.25
Vel Total (ft/s)	1.02	Avg. Vel. (ft/s)	1.03	1.21	0.80
Max Chl Dpth (ft)	179.08	Hydr. Depth (ft)	132.84	172.44	93.96
Conv. Total (cfs)	235629500.0	Conv. (cfs)	196850000.0	19810090.0	18969470.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	5813.66	386.76	1052.78
Min Ch El (ft)	581.49	Shear (lb/sq ft)	0.13	0.17	0.09
Alpha	1.02	Stream Power (lb/ft s)	0.14	0.21	0.07
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	51202.52	9673.27	55650.14
C & E Loss (ft)		Cum SA (acres)	402.89	54.68	446.42

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 10943.8*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	744.76	269.16	717.5	364.57	705.11	501.29	702.12	546.86	725.72
729.14	721.73	1002.57	625.55	1256.06	616.74	1640.57	610.4	2187.43	608.4
2242.97	608.7	2369.71	609.84	2552	610.66	2688.71	608.2	2781.28	608.2
3588.75	610	3828	610	4238.14	614.1	4557.14	611.64	4921.71	610
5024.25	610	5203.69	608.2	5742	608.2	5833	581.46	6024	581.46
6121.5	608.2	6194.35	616.75	6215.16	620.48	6288.01	629.04	6412.89	640.61
6454.52	646.27	6537.77	655.79	6621.03	665.31	6662.66	669.88	6714.69	673.09
6735.5	675.02	6787.54	680.74	6808.35	682.67	6870.79	687.56	6912.42	688.72
6943.64	691.61	6954.05	694.74	6964.46	695.34	7037.3	702.09	7120.56	722.41
7183	728.2								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	5742	.15	6121.5	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
5742	6121.5	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.58    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.57    Reach Len. (ft)             24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       762924.10   65450.77
99948.60
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            762924.10   65450.77
99948.60
  Q Total (cfs)           943788.40    Flow (cfs)              784338.00   79408.79
 80041.59
  Top Width (ft)           7183.00    Top Width (ft)           5742.00     379.50
1061.50
  Vel Total (ft/s)            1.02    Avg. Vel. (ft/s)            1.03       1.21
   0.80
  Max Chl Dpth (ft)         179.11    Hydr. Depth (ft)          132.87     172.47
  94.16
  Conv. Total (cfs)       235685600.0    Conv. (cfs)             195867200.0
19830190.0   19988220.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5782.52     386.95
1101.89
  Min Ch El (ft)            581.46    Shear (lb/sq ft)            0.13       0.17
   0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.21
   0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    50766.34    9635.96
55594.52
  C & E Loss (ft)                     Cum SA (acres)            399.61      54.46
 445.83


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10919.0*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  744.58   267.7  717.78   362.6   705.4  498.58  702.24   543.9  725.48
  725.21  721.27  997.16  625.86 1249.28  616.78 1631.71  610.42 2175.62  608.31
 2230.86  608.59 2356.92  609.72 2538.22  610.53  2674.2   608.1 2766.27   608.1
 3569.38     610 3807.33     610 4215.26  614.05 4532.54  611.62 4895.14     610
 4997.12     610 5175.59   608.1    5711   608.1  5801.5  581.43    5992  581.43
 6090.75   608.1 6166.98  616.67 6188.76  620.48 6264.99  629.05 6395.66  640.48
 6439.22  646.19 6526.34  655.72 6613.46  665.24 6657.01  669.81 6711.46  672.87
 6733.24  674.77 6787.69  680.49 6809.47  682.39 6874.81  687.16 6918.37  688.12
 6951.04  690.98 6961.93  694.22 6972.82  694.79 7049.04  701.46 7136.16  722.38
  7201.5   728.1

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5711     .15 6090.75     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5711 6090.75            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.58    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.57    Reach Len. (ft)            24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       758978.60   65503.34
104807.40
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            758978.60   65503.34
104807.40
  Q Total (cfs)           943787.30    Flow (cfs)              780192.30   79468.81
 84126.17
  Top Width (ft)           7201.50    Top Width (ft)           5711.00     379.75
1110.75
  Vel Total (ft/s)            1.02    Avg. Vel. (ft/s)            1.03       1.21
   0.80
  Max Chl Dpth (ft)         179.14    Hydr. Depth (ft)          132.90     172.49
  94.36
  Conv. Total (cfs)       235746100.0    Conv. (cfs)             194882200.0
19850310.0   21013650.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5751.37     387.14
1151.02
  Min Ch El (ft)            581.43    Shear (lb/sq ft)            0.13       0.17
   0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.21
   0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    50332.41    9598.62
55536.14
  C & E Loss (ft)                     Cum SA (acres)            396.34      54.25
 445.21


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10894.2*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   744.4  266.25  718.05  360.63  705.68  495.87  702.35  540.95  725.25
  721.27  720.81  991.75  626.16  1242.5  616.82 1622.86  610.44 2163.81  608.23
 2218.75  608.49 2344.13   609.6 2524.44   610.4 2659.68     608 2751.25     608
    3550     610 3786.67     610 4192.38     614 4507.94   611.6 4868.57     610
    4970     610  5147.5     608    5680     608    5770   581.4    5960   581.4
    6060     608 6139.61  616.59 6162.35  620.47 6241.96  629.06 6378.43  640.35
 6423.92  646.12  6514.9  655.65 6605.88  665.18 6651.37  669.74 6708.24  672.65
 6730.98  674.53 6787.84  680.24 6810.59  682.12 6878.82  686.76 6924.31  687.53
 6958.43  690.35  6969.8  693.69 6981.18  694.24 7060.78  700.82 7151.76  722.35
    7220     728
```

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	5680	.15	6060	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
5680	6060	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.58	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.57	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	755031.80	65555.88	109684.10
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	755031.80	65555.88	109684.10
Q Total (cfs)	943786.20	Flow (cfs)	776028.60	79526.83	88230.80
Top Width (ft)	7220.00	Top Width (ft)	5680.00	380.00	1160.00
Vel Total (ft/s)	1.01	Avg. Vel. (ft/s)	1.03	1.21	0.80
Max Chl Dpth (ft)	179.17	Hydr. Depth (ft)	132.93	172.52	94.56
Conv. Total (cfs)	235811800.0	Conv. (cfs)	193896400.0	19870360.0	22045110.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	5720.24	387.33	1200.18
Min Ch El (ft)	581.40	Shear (lb/sq ft)	0.13	0.17	0.09
Alpha	1.02	Stream Power (lb/ft s)	0.14	0.21	0.07
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	49900.73	9561.26	55474.98
C & E Loss (ft)		Cum SA (acres)	393.09	54.03	444.56

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 10869.3*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	744.22	264.8	718.32	358.67	705.96	493.17	702.47	538	725.01
717.33	720.35	986.33	626.47	1235.72	616.86	1614	610.46	2152	608.14
2206.64	608.38	2331.33	609.48	2510.67	610.27	2645.17	607.9	2736.23	607.9
3530.62	610	3766	610	4169.5	613.95	4483.33	611.58	4842	610
4942.88	610	5119.41	607.9	5649	607.9	5738.5	581.37	5928	581.37
6029.25	607.9	6112.24	616.51	6135.95	620.46	6218.94	629.07	6361.2	640.22
6408.62	646.04	6503.47	655.58	6598.31	665.11	6645.73	669.67	6705.01	672.43

```
 6728.72  674.29    6788  679.98 6811.71  681.84 6882.84  686.37 6930.26  686.94
 6965.83  689.72 6977.68  693.17 6989.54  693.68 7072.52  700.19 7167.37  722.32
  7238.5   727.9

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5649     .15 6029.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5649 6029.25            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.58    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.56    Reach Len. (ft)            24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       751085.80   65608.55
114582.20
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            751085.80   65608.55
114582.20
  Q Total (cfs)           943785.10    Flow (cfs)              771843.90   79582.23
 92359.04
  Top Width (ft)           7238.50    Top Width (ft)           5649.00     380.25
1209.25
  Vel Total (ft/s)            1.01    Avg. Vel. (ft/s)            1.03       1.21
   0.81
  Max Chl Dpth (ft)         179.19    Hydr. Depth (ft)          132.96     172.54
  94.75
  Conv. Total (cfs)       235885300.0    Conv. (cfs)             192911100.0
19890420.0   23083790.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5689.10     387.52
1249.36
  Min Ch El (ft)            581.37    Shear (lb/sq ft)            0.13       0.17
   0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.21
   0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    49471.30    9523.86
55411.04
  C & E Loss (ft)                     Cum SA (acres)            389.86      53.81
 443.89



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10844.5*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  744.04  263.34   718.6   356.7  706.25  490.46  702.59  535.05  724.77
   713.4   719.9  980.92  626.78 1228.94   616.9 1605.14  610.49 2140.19  608.05
 2194.53  608.28 2318.54  609.36 2496.89  610.14 2630.65   607.8 2721.22   607.8
```

```
 3511.25     610 3745.33     610 4146.62   613.9 4458.73  611.56 4815.43     610
 4915.75     610 5091.31   607.8    5618   607.8    5707  581.34    5896  581.34
  5998.5   607.8 6084.87  616.42 6109.54  620.46 6195.91  629.08 6343.97  640.09
 6393.32  645.96 6492.03  655.51 6590.74  665.05 6640.09   669.6 6701.78  672.21
 6726.46  674.04 6788.15  679.73 6812.82  681.56 6886.85  685.97 6936.21  686.34
 6973.22  689.09 6985.56  692.65  6997.9  693.13 7084.26  699.55 7182.97  722.29
    7257   727.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5618     .15  5998.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5618  5998.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.58    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.56    Reach Len. (ft)            24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       747126.60   65661.28
119500.20
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            747126.60   65661.28
119500.20
  Q Total (cfs)           943784.00    Flow (cfs)              767635.80   79637.20
 96510.98
  Top Width (ft)           7257.00    Top Width (ft)           5618.00     380.50
1258.50
  Vel Total (ft/s)            1.01    Avg. Vel. (ft/s)            1.03       1.21
   0.81
  Max Chl Dpth (ft)         179.22    Hydr. Depth (ft)          132.99     172.57
  94.95
  Conv. Total (cfs)       235959800.0    Conv. (cfs)             191920100.0
19910460.0   24129150.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5657.97     387.71
1298.57
  Min Ch El (ft)            581.34    Shear (lb/sq ft)            0.13       0.17
   0.09
  Alpha                       1.02    Stream Power (lb/ft s)      0.14       0.21
   0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    49044.12    9486.43
55344.30
  C & E Loss (ft)                     Cum SA (acres)            386.65      53.60
 443.19


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10819.6*

INPUT
Description:
Station Elevation Data    num=      46
```

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	743.86	261.89	718.87	354.73	706.53	487.75	702.71	532.1	724.53
709.46	719.44	975.51	627.09	1222.16	616.94	1596.29	610.51	2128.38	607.96
2182.42	608.17	2305.75	609.24	2483.11	610.01	2616.14	607.7	2706.2	607.7
3491.88	610	3724.67	610	4123.74	613.85	4434.13	611.54	4788.86	610
4888.62	610	5063.22	607.7	5587	607.7	5675.5	581.31	5864	581.31
5967.75	607.7	6057.5	616.34	6083.14	620.45	6172.89	629.09	6326.74	639.96
6378.02	645.89	6480.59	655.44	6583.16	664.98	6634.45	669.53	6698.55	671.99
6724.19	673.8	6788.3	679.48	6813.94	681.29	6890.87	685.57	6942.15	685.75
6980.62	688.46	6993.44	692.13	7006.26	692.58	7096	698.92	7198.57	722.26
7275.5	727.7								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	5587	.15	5967.75	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
5587	5967.75	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.58	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.56	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	743176.00	65714.07	124435.50
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	743176.00	65714.07	124435.50
Q Total (cfs)	943782.90	Flow (cfs)	763413.90	79688.82	100680.10
Top Width (ft)	7275.50	Top Width (ft)	5587.00	380.75	1307.75
Vel Total (ft/s)	1.01	Avg. Vel. (ft/s)	1.03	1.21	0.81
Max Chl Dpth (ft)	179.25	Hydr. Depth (ft)	133.02	172.59	95.15
Conv. Total (cfs)	236043800.0	Conv. (cfs)	190932800.0	19930490.0	25180480.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	5626.83	387.90	1347.79
Min Ch El (ft)	581.31	Shear (lb/sq ft)	0.13	0.17	0.09
Alpha	1.02	Stream Power (lb/ft s)	0.14	0.21	0.07
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	48619.20	9448.97	55274.75
C & E Loss (ft)		Cum SA (acres)	383.46	53.38	442.45

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 10794.8*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	743.68	260.44	719.15	352.76	706.82	485.05	702.83	529.14	724.3
705.52	718.98	970.1	627.4	1215.38	616.98	1587.43	610.53	2116.57	607.87
2170.31	608.06	2292.95	609.12	2469.33	609.88	2601.62	607.6	2691.19	607.6
3472.5	610	3704	610	4100.86	613.8	4409.52	611.52	4762.29	610
4861.5	610	5035.12	607.6	5556	607.6	5644	581.28	5832	581.28
5937	607.6	6030.13	616.26	6056.74	620.45	6149.86	629.11	6309.51	639.84
6362.73	645.81	6469.16	655.36	6575.59	664.92	6628.8	669.45	6695.32	671.76
6721.93	673.55	6788.45	679.22	6815.06	681.01	6894.88	685.18	6948.1	685.15
6988.01	687.84	7001.31	691.61	7014.62	692.02	7107.75	698.28	7214.18	722.24
7294	727.6								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	5556	.15	5937	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
5556	5937	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.58	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.56	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	739220.00	65766.93	129391.60
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	739220.00	65766.93	129391.60
Q Total (cfs)	943781.80	Flow (cfs)	759170.60	79738.82	104872.40
Top Width (ft)	7294.00	Top Width (ft)	5556.00	381.00	1357.00
Vel Total (ft/s)	1.01	Avg. Vel. (ft/s)	1.03	1.21	0.81
Max Chl Dpth (ft)	179.28	Hydr. Depth (ft)	133.05	172.62	95.35
Conv. Total (cfs)	236132500.0	Conv. (cfs)	189943100.0	19950510.0	26238880.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	5595.71	388.10	1397.02
Min Ch El (ft)	581.28	Shear (lb/sq ft)	0.13	0.17	0.09
Alpha	1.02	Stream Power (lb/ft s)	0.14	0.20	0.07
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	48196.53	9411.48	55202.38
C & E Loss (ft)		Cum SA (acres)	380.28	53.16	441.69

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 10770.*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	743.5	258.98	719.42	350.79	707.1	482.34	702.94	526.19	724.06
701.59	718.52	964.68	627.71	1208.59	617.02	1578.57	610.55	2104.76	607.78
2158.2	607.96	2280.16	609	2455.56	609.75	2587.1	607.5	2676.17	607.5
3453.12	610	3683.33	610	4077.98	613.75	4384.92	611.5	4735.71	610
4834.38	610	5007.03	607.5	5525	607.5	5612.5	581.25	5800	581.25
5906.25	607.5	6002.76	616.18	6030.33	620.44	6126.84	629.12	6292.28	639.71
6347.43	645.74	6457.72	655.29	6568.01	664.85	6623.16	669.38	6692.1	671.54
6719.67	673.31	6788.6	678.97	6816.18	680.74	6898.9	684.78	6954.04	684.56
6995.4	687.21	7009.19	691.09	7022.98	691.47	7119.49	697.65	7229.78	722.21
7312.5	727.5								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	5525	.15	5906.25	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
5525	5906.25	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.58	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.56	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	735265.80	65819.85	134365.90
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	735265.80	65819.85	134365.90
Q Total (cfs)	943780.70	Flow (cfs)	754910.80	79786.37	109083.50
Top Width (ft)	7312.50	Top Width (ft)	5525.00	381.25	1406.25
Vel Total (ft/s)	1.01	Avg. Vel. (ft/s)	1.03	1.21	0.81
Max Chl Dpth (ft)	179.31	Hydr. Depth (ft)	133.08	172.64	95.55
Conv. Total (cfs)	236228100.0	Conv. (cfs)	188954000.0	19970510.0	27303580.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	5564.58	388.30	1446.27
Min Ch El (ft)	581.25	Shear (lb/sq ft)	0.13	0.17	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.14	0.20	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	47776.12	9373.96	55127.17
C & E Loss (ft)		Cum SA (acres)	377.12	52.95	440.91

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 10745.1*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	743.32	257.53	719.7	348.83	707.38	479.63	703.06	523.24	723.82
697.65	718.06	959.27	628.01	1201.81	617.06	1569.71	610.57	2092.95	607.69
2146.09	607.85	2267.36	608.88	2441.78	609.62	2572.59	607.4	2661.16	607.4
3433.75	610	3662.67	610	4055.1	613.7	4360.32	611.48	4709.14	610
4807.25	610	4978.94	607.4	5494	607.4	5581	581.22	5768	581.22
5875.5	607.4	5975.39	616.09	6003.93	620.44	6103.81	629.13	6275.05	639.58
6332.13	645.66	6446.28	655.22	6560.44	664.79	6617.52	669.31	6688.87	671.32
6717.41	673.06	6788.75	678.72	6817.29	680.46	6902.91	684.38	6959.99	683.96
7002.8	686.58	7017.07	690.57	7031.34	690.92	7131.23	697.01	7245.38	722.18
7331	727.4								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	5494	.15	5875.5	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
5494	5875.5	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.58	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.56	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	731310.60	65872.87	139362.50
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	731310.60	65872.87	139362.50
Q Total (cfs)	943779.60	Flow (cfs)	750629.90	79831.46	113318.20
Top Width (ft)	7331.00	Top Width (ft)	5494.00	381.50	1455.50
Vel Total (ft/s)	1.01	Avg. Vel. (ft/s)	1.03	1.21	0.81
Max Chl Dpth (ft)	179.34	Hydr. Depth (ft)	133.11	172.67	95.75
Conv. Total (cfs)	236330900.0	Conv. (cfs)	187964500.0	19990520.0	28375890.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	5533.46	388.50	1495.53
Min Ch El (ft)	581.22	Shear (lb/sq ft)	0.13	0.17	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.14	0.20	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	47357.96	9336.42	55049.13
C & E Loss (ft)		Cum SA (acres)	373.98	52.73	

440.09

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 10720.3*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	743.14	256.08	719.97	346.86	707.67	476.93	703.18	520.29	723.58
693.71	717.6	953.86	628.32	1195.03	617.1	1560.86	610.6	2081.14	607.6
2133.98	607.74	2254.57	608.76	2428	609.49	2558.07	607.3	2646.14	607.3
3414.38	610	3642	610	4032.21	613.65	4335.71	611.46	4682.57	610
4780.12	610	4950.84	607.3	5463	607.3	5549.5	581.19	5736	581.19
5844.75	607.3	5948.02	616.01	5977.52	620.43	6080.79	629.14	6257.82	639.45
6316.83	645.58	6434.85	655.15	6552.87	664.72	6611.88	669.24	6685.64	671.1
6715.14	672.82	6788.91	678.46	6818.41	680.18	6906.93	683.99	6965.94	683.37
7010.19	685.95	7024.95	690.05	7039.7	690.36	7142.97	696.38	7260.99	722.15
7349.5	727.3								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	5463	.15	5844.75	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
5463	5844.75	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.58	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.56	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	727347.30	65925.93	144378.10
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	727347.30	65925.93	144378.10
Q Total (cfs)	943778.40	Flow (cfs)	746328.90	79875.37	117574.10
Top Width (ft)	7349.50	Top Width (ft)	5463.00	381.75	1504.75
Vel Total (ft/s)	1.01	Avg. Vel. (ft/s)	1.03	1.21	0.81
Max Chl Dpth (ft)	179.37	Hydr. Depth (ft)	133.14	172.69	95.95
Conv. Total (cfs)	236436900.0	Conv. (cfs)	186971600.0	20010510.0	29454860.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	5502.34	388.70	1544.81
Min Ch El (ft)	581.19	Shear (lb/sq ft)	0.13	0.17	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.13	0.20	

```
   0.08
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    46942.07    9298.84
54968.22
  C & E Loss (ft)                      Cum SA (acres)            370.85      52.51
 439.25


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10695.4*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  742.96  254.62  720.24  344.89  707.95  474.22   703.3  517.33  723.35
  689.78  717.14  948.44  628.63 1188.25  617.14    1552  610.62 2069.33  607.52
 2121.88  607.64 2241.78  608.64 2414.22  609.36 2543.56   607.2 2631.12   607.2
    3395     610 3621.33     610 4009.33   613.6 4311.11  611.44    4656     610
    4753     610 4922.75   607.2    5432   607.2    5518  581.16    5704  581.16
    5814   607.2 5920.65  615.93 5951.12  620.42 6057.76  629.15 6240.59  639.32
 6301.53  645.51 6423.41  655.08 6545.29  664.66 6606.24  669.17 6682.41  670.88
 6712.88  672.58 6789.06  678.21 6819.53  679.91 6910.94  683.59 6971.88  682.78
 7017.59  685.32 7032.82  689.52 7048.06  689.81 7154.71  695.74 7276.59  722.12
    7368   727.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5432     .15    5814     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5432    5814            24.84   24.84   24.84              .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.58    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.56    Reach Len. (ft)             24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       723382.60   65979.05
149411.40
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            723382.60   65979.05
149411.40
  Q Total (cfs)           943777.30    Flow (cfs)              742011.90   79917.39
 121848.00
  Top Width (ft)           7368.00    Top Width (ft)           5432.00     382.00
1554.00
  Vel Total (ft/s)            1.01    Avg. Vel. (ft/s)            1.03       1.21
   0.82
  Max Chl Dpth (ft)         179.40    Hydr. Depth (ft)          133.17     172.72
  96.15
  Conv. Total (cfs)       236548300.0    Conv. (cfs)             185977800.0
20030490.0   30539980.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5471.22     388.90
```

1594.09					
Min Ch El (ft)	581.16	Shear (lb/sq ft)	0.13	0.17	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.13	0.20	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	46528.43	9261.23	54884.46
C & E Loss (ft)		Cum SA (acres)	367.75	52.29	438.37

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 10670.6*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	742.78	253.17	720.52	342.92	708.24	471.52	703.41	514.38	723.11
685.84	716.68	943.03	628.94	1181.47	617.18	1543.14	610.64	2057.52	607.43
2109.77	607.53	2228.98	608.52	2400.44	609.23	2529.04	607.1	2616.11	607.1
3375.62	610	3600.67	610	3986.45	613.55	4286.51	611.42	4629.43	610
4725.88	610	4894.66	607.1	5401	607.1	5486.5	581.13	5672	581.13
5783.25	607.1	5893.28	615.85	5924.71	620.42	6034.74	629.16	6223.36	639.19
6286.23	645.43	6411.98	655.01	6537.72	664.59	6600.59	669.1	6679.18	670.66
6710.62	672.33	6789.21	677.96	6820.65	679.63	6914.96	683.19	6977.83	682.18
7024.98	684.69	7040.7	689	7056.42	689.26	7166.45	695.11	7292.19	722.09
7386.5	727.1								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	5401	.15	5783.25	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
5401	5783.25	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.58	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.56	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	719419.10	66032.25	154466.10
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	719419.10	66032.25	154466.10
Q Total (cfs)	943776.10	Flow (cfs)	737676.10	79956.73	126143.30
Top Width (ft)	7386.50	Top Width (ft)	5401.00	382.25	1603.25
Vel Total (ft/s)	1.00	Avg. Vel. (ft/s)	1.03	1.21	0.82
Max Chl Dpth (ft)	179.43	Hydr. Depth (ft)	133.20	172.75	

```
  96.35
  Conv. Total (cfs)       236667500.0    Conv. (cfs)             184984500.0
20050480.0   31632520.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5440.11     389.10
1643.38
  Min Ch El (ft)            581.13    Shear (lb/sq ft)            0.13       0.17
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    46117.05    9223.59
54797.81
  C & E Loss (ft)                     Cum SA (acres)            364.66      52.07
 437.47


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10645.8*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   742.6  251.72  720.79  340.95  708.52  468.81  703.53  511.43  722.87
   681.9  716.22  937.62  629.25 1174.69  617.22 1534.29  610.66 2045.71  607.34
 2097.66  607.43 2216.19   608.4 2386.67   609.1 2514.52     607 2601.09     607
 3356.25     610    3580     610 3963.57   613.5  4261.9   611.4 4602.86     610
 4698.75     610 4866.56     607    5370     607    5455   581.1    5640   581.1
  5752.5     607 5865.91  615.76 5898.31  620.41 6011.72  629.18 6206.13  639.06
 6270.93  645.35 6400.54  654.94 6530.15  664.53 6594.95  669.02 6675.96  670.44
 6708.36  672.09 6789.36  677.71 6821.76  679.35 6918.97  682.79 6983.77  681.59
 7032.38  684.06 7048.58  688.48 7064.78  688.71 7178.19  694.47 7307.79  722.06
    7405     727

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5370     .15  5752.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5370  5752.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.58    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.56    Reach Len. (ft)             24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       715454.60   66085.53
159540.10
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            715454.60   66085.53
159540.10
  Q Total (cfs)           943775.00    Flow (cfs)              733323.60   79993.84
 130457.60
  Top Width (ft)           7405.00    Top Width (ft)           5370.00     382.50
```

```
1652.50
  Vel Total (ft/s)            1.00    Avg. Vel. (ft/s)            1.02       1.21
   0.82
  Max Chl Dpth (ft)         179.46    Hydr. Depth (ft)          133.23     172.77
  96.54
  Conv. Total (cfs)       236793200.0    Conv. (cfs)             183990900.0
20070460.0   32731830.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5408.99     389.30
1692.68
  Min Ch El (ft)            581.10    Shear (lb/sq ft)            0.13       0.17
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    45707.93    9185.92
54708.28
  C & E Loss (ft)                     Cum SA (acres)            361.59      51.86
 436.55


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10620.9*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  742.42  250.27  721.07  338.98   708.8   466.1  703.65  508.48  722.63
  677.97  715.76  932.21  629.55 1167.91  617.26 1525.43  610.68  2033.9  607.25
 2085.55  607.32  2203.4  608.28 2372.89  608.97 2500.01   606.9 2586.08   606.9
 3336.87     610 3559.33     610 3940.69  613.45  4237.3  611.38 4576.29     610
 4671.62     610 4838.47   606.9    5339   606.9  5423.5  581.07    5608  581.07
 5721.75   606.9 5838.54  615.68  5871.9  620.41 5988.69  629.19  6188.9  638.93
 6255.63  645.28  6389.1  654.87 6522.57  664.46 6589.31  668.95 6672.73  670.22
  6706.1  671.84 6789.51  677.45 6822.88  679.08 6922.99   682.4 6989.72  680.99
 7039.77  683.43 7056.46  687.96 7073.14  688.15 7189.93  693.84  7323.4  722.03
  7423.5   726.9

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5339     .15 5721.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5339 5721.75             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.57    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.56    Reach Len. (ft)            24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       711490.10   66138.91
164632.90
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            711490.10   66138.91
```

```
164632.90
  Q Total (cfs)           943773.90    Flow (cfs)              728955.10   80028.81
 134790.00
  Top Width (ft)           7423.50    Top Width (ft)           5339.00     382.75
1701.75
  Vel Total (ft/s)            1.00    Avg. Vel. (ft/s)            1.02       1.21
   0.82
  Max Chl Dpth (ft)         179.49    Hydr. Depth (ft)          133.26     172.80
  96.74
  Conv. Total (cfs)       236925300.0    Conv. (cfs)             182997100.0
20090460.0   33837710.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5377.89     389.51
1741.99
  Min Ch El (ft)            581.07    Shear (lb/sq ft)            0.13       0.17
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    45301.08    9148.22
54615.85
  C & E Loss (ft)                     Cum SA (acres)            358.53      51.64
 435.59
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 10596.1*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	742.24	248.81	721.34	337.02	709.09	463.4	703.77	505.52	722.39
674.03	715.3	926.79	629.86	1161.12	617.3	1516.57	610.71	2022.1	607.16
2073.44	607.21	2190.6	608.16	2359.11	608.84	2485.49	606.8	2571.06	606.8
3317.5	610	3538.67	610	3917.81	613.4	4212.7	611.36	4549.71	610
4644.5	610	4810.37	606.8	5308	606.8	5392	581.04	5576	581.04
5691	606.8	5811.17	615.6	5845.5	620.4	5965.67	629.2	6171.67	638.8
6240.33	645.2	6377.67	654.8	6515	664.4	6583.67	668.88	6669.5	670
6703.83	671.6	6789.67	677.2	6824	678.8	6927	682	6995.67	680.4
7047.17	682.8	7064.33	687.44	7081.5	687.6	7201.67	693.2	7339	722
7442	726.8								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	5308	.15	5691	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
5308	5691	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.57    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.56    Reach Len. (ft)             24.84      24.84
```

```
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       707516.60   66192.20
169745.80
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            707516.60   66192.20
169745.80
  Q Total (cfs)           943772.70    Flow (cfs)              724566.60   80062.36
 139143.80
  Top Width (ft)           7442.00    Top Width (ft)           5308.00     383.00
1751.00
  Vel Total (ft/s)            1.00    Avg. Vel. (ft/s)            1.02       1.21
   0.82
  Max Chl Dpth (ft)         179.52    Hydr. Depth (ft)          133.29     172.83
  96.94
  Conv. Total (cfs)       237060500.0    Conv. (cfs)             181999500.0
20110380.0   34950670.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5346.78     389.71
1791.31
  Min Ch El (ft)            581.04    Shear (lb/sq ft)            0.13       0.17
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    44896.48    9110.49
54520.51
  C & E Loss (ft)                     Cum SA (acres)            355.50      51.42
 434.60


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10571.2*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  742.06  247.36  721.62  335.05  709.37  460.69  703.89  502.57  722.16
   670.1  714.84  921.38  630.17 1154.34  617.34 1507.71  610.73 2010.29  607.07
 2061.33  607.11 2177.81  608.04 2345.33  608.71 2470.98   606.7 2556.05   606.7
 3298.12     610    3518     610 3894.93  613.35  4188.1  611.34 4523.14     610
 4617.37     610 4782.28   606.7    5277   606.7  5360.5  581.01    5544  581.01
 5660.25   606.7  5783.8  615.52  5819.1  620.39 5942.64  629.21 6154.44  638.67
 6225.03  645.12 6366.23  654.73 6507.43  664.34 6578.02  668.81 6666.27  669.78
 6701.57  671.36 6789.82  676.95 6825.12  678.52 6931.01   681.6 7001.61  679.81
 7054.56  682.17 7072.21  686.92 7089.86  687.05 7213.41  692.56  7354.6  721.97
  7460.5   726.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5277     .15 5660.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5277 5660.25            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.57    Element                    Left OB    Channel
```

Right OB					
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.56	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	703542.90	66245.65	174878.50
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	703542.90	66245.65	174878.50
Q Total (cfs)	943771.50	Flow (cfs)	720161.60	80093.74	143516.20
Top Width (ft)	7460.50	Top Width (ft)	5277.00	383.25	1800.25
Vel Total (ft/s)	1.00	Avg. Vel. (ft/s)	1.02	1.21	0.82
Max Chl Dpth (ft)	179.55	Hydr. Depth (ft)	133.32	172.85	97.14
Conv. Total (cfs)	237202600.0	Conv. (cfs)	181001600.0	20130340.0	36070610.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	5315.68	389.92	1840.63
Min Ch El (ft)	581.01	Shear (lb/sq ft)	0.13	0.17	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.13	0.20	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	44494.16	9072.73	54422.25
C & E Loss (ft)		Cum SA (acres)	352.48	51.20	433.59

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 10546.4*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	741.88	245.91	721.89	333.08	709.66	457.98	704	499.62	721.92
666.16	714.38	915.97	630.48	1147.56	617.38	1498.86	610.75	1998.48	606.98
2049.22	607	2165.02	607.92	2331.56	608.58	2456.46	606.6	2541.03	606.6
3278.75	610	3497.33	610	3872.05	613.3	4163.49	611.32	4496.57	610
4590.25	610	4754.19	606.6	5246	606.6	5329	580.98	5512	580.98
5629.5	606.6	5756.43	615.44	5792.69	620.39	5919.62	629.22	6137.21	638.54
6209.73	645.05	6354.79	654.66	6499.85	664.27	6572.38	668.74	6663.04	669.56
6699.31	671.11	6789.97	676.69	6826.24	678.25	6935.03	681.21	7007.56	679.21
7061.96	681.54	7080.09	686.4	7098.22	686.49	7225.15	691.93	7370.21	721.94
7479	726.6								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	5246	.15	5629.5	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
5246	5629.5	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.57	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.56	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	699571.70	66299.20	180029.90
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	699571.70	66299.20	180029.90
Q Total (cfs)	943770.30	Flow (cfs)	715742.80	80122.57	147905.00
Top Width (ft)	7479.00	Top Width (ft)	5246.00	383.50	1849.50
Vel Total (ft/s)	1.00	Avg. Vel. (ft/s)	1.02	1.21	0.82
Max Chl Dpth (ft)	179.58	Hydr. Depth (ft)	133.35	172.88	97.34
Conv. Total (cfs)	237352200.0	Conv. (cfs)	180004800.0	20150320.0	37197170.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	5284.58	390.12	1889.96
Min Ch El (ft)	580.98	Shear (lb/sq ft)	0.13	0.17	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.13	0.20	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	44094.09	9034.93	54321.06
C & E Loss (ft)		Cum SA (acres)	349.48	50.98	432.55

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 10521.6*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	741.7	244.45	722.17	331.11	709.94	455.28	704.12	496.67	721.68
662.22	713.92	910.56	630.79	1140.78	617.42	1490	610.77	1986.67	606.89
2037.11	606.9	2152.22	607.8	2317.78	608.45	2441.94	606.5	2526.02	606.5
3259.37	610	3476.67	610	3849.17	613.25	4138.89	611.3	4470	610
4563.12	610	4726.09	606.5	5215	606.5	5297.5	580.95	5480	580.95
5598.75	606.5	5729.06	615.35	5766.29	620.38	5896.59	629.24	6119.98	638.41
6194.44	644.97	6343.36	654.59	6492.28	664.21	6566.74	668.66	6659.82	669.34
6697.05	670.87	6790.12	676.44	6827.35	677.97	6939.04	680.81	7013.5	678.62
7069.35	680.91	7087.97	685.88	7106.58	685.94	7236.89	691.29	7385.81	721.91
7497.5	726.5								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	5215	.15	5598.75	.15

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5215 5598.75             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.57    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.56    Reach Len. (ft)             24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       695596.90   66352.84
185202.20
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            695596.90   66352.84
185202.20
  Q Total (cfs)           943769.10    Flow (cfs)              711305.70   80149.45
 152314.00
  Top Width (ft)           7497.50    Top Width (ft)           5215.00     383.75
1898.75
  Vel Total (ft/s)            1.00    Avg. Vel. (ft/s)            1.02       1.21
   0.82
  Max Chl Dpth (ft)         179.61    Hydr. Depth (ft)          133.38     172.91
  97.54
  Conv. Total (cfs)       237507800.0    Conv. (cfs)             179006400.0
20170320.0   38331150.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5253.48     390.33
1939.29
  Min Ch El (ft)            580.95    Shear (lb/sq ft)            0.13       0.17
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    43696.30    8997.11
54216.92
  C & E Loss (ft)                     Cum SA (acres)            346.50      50.76
 431.48


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10496.7*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.52     243  722.44  329.14  710.22  452.57  704.24  493.71  721.44
  658.29  713.46  905.14   631.1    1134  617.46 1481.14  610.79 1974.86  606.81
    2025  606.79 2139.43  607.68    2304  608.32 2427.43   606.4    2511   606.4
    3240     610    3456     610 3826.29   613.2 4114.29  611.28 4443.43     610
    4536     610    4698   606.4    5184   606.4    5266  580.92    5448  580.92
    5568   606.4 5701.69  615.27 5739.88  620.38 5873.57  629.25 6102.74  638.28
 6179.14  644.89 6331.92  654.52 6484.71  664.14  6561.1  668.59 6656.59  669.12
 6694.78  670.62 6790.27  676.19 6828.47  677.69 6943.06  680.41 7019.45  678.02
 7076.75  680.28 7095.84  685.36 7114.94  685.39 7248.63  690.66 7401.41  721.88
    7516   726.4
```

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	5184	.15	5568	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
5184	5568	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.57	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.56	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	691619.20	66406.52	190393.90
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	691619.20	66406.52	190393.90
Q Total (cfs)	943767.90	Flow (cfs)	706852.80	80174.36	156740.80
Top Width (ft)	7516.00	Top Width (ft)	5184.00	384.00	1948.00
Vel Total (ft/s)	1.00	Avg. Vel. (ft/s)	1.02	1.21	0.82
Max Chl Dpth (ft)	179.64	Hydr. Depth (ft)	133.41	172.93	97.74
Conv. Total (cfs)	237668900.0	Conv. (cfs)	178006600.0	20190300.0	39472010.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	5222.39	390.54	1988.63
Min Ch El (ft)	580.92	Shear (lb/sq ft)	0.13	0.17	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.13	0.20	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	43300.77	8959.26	54109.83
C & E Loss (ft)		Cum SA (acres)	343.53	50.55	430.39

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 10471.9*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	741.34	241.55	722.71	327.17	710.51	449.87	704.36	490.76	721.21
654.35	713.01	899.73	631.4	1127.22	617.5	1472.29	610.82	1963.05	606.72
2012.89	606.68	2126.63	607.56	2290.22	608.19	2412.91	606.3	2495.98	606.3
3220.62	610	3435.33	610	3803.4	613.15	4089.68	611.26	4416.86	610
4508.87	610	4669.91	606.3	5153	606.3	5234.5	580.89	5416	580.89
5537.25	606.3	5674.32	615.19	5713.48	620.37	5850.54	629.26	6085.51	638.15

```
 6163.84  644.82 6320.49  654.45 6477.13  664.08 6555.46  668.52 6653.36   668.9
 6692.52  670.38 6790.43  675.94 6829.59  677.42 6947.07  680.01  7025.4  677.43
 7084.14  679.65 7103.72  684.83  7123.3  684.84 7260.37  690.02 7417.02  721.85
  7534.5   726.3

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    5153     .15 5537.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          5153 5537.25             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.57    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.55    Reach Len. (ft)            24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       687636.50   66460.27
195603.70
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            687636.50   66460.27
195603.70
  Q Total (cfs)           943766.70    Flow (cfs)              702384.20   80197.85
 161184.60
  Top Width (ft)           7534.50    Top Width (ft)           5153.00     384.25
1997.25
  Vel Total (ft/s)            0.99    Avg. Vel. (ft/s)            1.02       1.21
   0.82
  Max Chl Dpth (ft)         179.66    Hydr. Depth (ft)          133.44     172.96
  97.94
  Conv. Total (cfs)       237834100.0    Conv. (cfs)             177004500.0
20210280.0   40619360.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5191.31     390.75
2037.98
  Min Ch El (ft)            580.89    Shear (lb/sq ft)            0.13       0.17
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    42907.51    8921.38
53999.77
  C & E Loss (ft)                     Cum SA (acres)            340.58      50.33
 429.26



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10447.0*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  741.16  240.09  722.99  325.21  710.79  447.16  704.47  487.81  720.97
  650.41  712.55  894.32  631.71 1120.44  617.54 1463.43  610.84 1951.24  606.63
```

2000.78	606.58	2113.84	607.44	2276.44	608.06	2398.4	606.2	2480.97	606.2
3201.25	610	3414.67	610	3780.52	613.1	4065.08	611.24	4390.29	610
4481.75	610	4641.81	606.2	5122	606.2	5203	580.86	5384	580.86
5506.5	606.2	5646.95	615.11	5687.07	620.36	5827.52	629.27	6068.28	638.02
6148.54	644.74	6309.05	654.38	6469.56	664.01	6549.81	668.45	6650.13	668.68
6690.26	670.14	6790.58	675.68	6830.71	677.14	6951.09	679.62	7031.34	676.84
7091.53	679.02	7111.6	684.31	7131.66	684.28	7272.11	689.39	7432.62	721.82
7553	726.2								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	5122	.15	5506.5	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
5122	5506.5	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.57	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.55	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	683656.30	66514.08	200834.70
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	683656.30	66514.08	200834.70
Q Total (cfs)	943765.50	Flow (cfs)	697900.90	80218.41	165646.20
Top Width (ft)	7553.00	Top Width (ft)	5122.00	384.50	2046.50
Vel Total (ft/s)	0.99	Avg. Vel. (ft/s)	1.02	1.21	0.82
Max Chl Dpth (ft)	179.69	Hydr. Depth (ft)	133.47	172.99	98.14
Conv. Total (cfs)	238008000.0	Conv. (cfs)	176003500.0	20230260.0	41774280.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	5160.22	390.96	2087.32
Min Ch El (ft)	580.86	Shear (lb/sq ft)	0.13	0.17	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.13	0.20	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	42516.52	8883.46	53886.74
C & E Loss (ft)		Cum SA (acres)	337.65	50.11	428.11

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 10422.2*

INPUT
Description:

Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	740.98	238.64	723.26	323.24	711.08	444.45	704.59	484.86	720.73
646.48	712.09	888.9	632.02	1113.66	617.58	1454.57	610.86	1939.43	606.54
1988.67	606.47	2101.05	607.32	2262.67	607.93	2383.88	606.1	2465.95	606.1
3181.87	610	3394	610	3757.64	613.05	4040.48	611.22	4363.71	610
4454.62	610	4613.72	606.1	5091	606.1	5171.5	580.83	5352	580.83
5475.75	606.1	5619.58	615.02	5660.67	620.36	5804.49	629.28	6051.05	637.89
6133.24	644.66	6297.61	654.31	6461.99	663.95	6544.17	668.38	6646.9	668.46
6688	669.89	6790.73	675.43	6831.82	676.86	6955.1	679.22	7037.29	676.24
7098.93	678.39	7119.48	683.79	7140.02	683.73	7283.85	688.75	7448.22	721.79
7571.5	726.1								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	5091	.15	5475.75	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
5091	5475.75	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.57	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.55	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	679674.70	66567.95	206086.70
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	679674.70	66567.95	206086.70
Q Total (cfs)	943764.30	Flow (cfs)	693401.90	80236.65	170125.80
Top Width (ft)	7571.50	Top Width (ft)	5091.00	384.75	2095.75
Vel Total (ft/s)	0.99	Avg. Vel. (ft/s)	1.02	1.21	0.83
Max Chl Dpth (ft)	179.72	Hydr. Depth (ft)	133.51	173.02	98.34
Conv. Total (cfs)	238188800.0	Conv. (cfs)	175001900.0	20250250.0	42936620.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	5129.14	391.18	2136.68
Min Ch El (ft)	580.83	Shear (lb/sq ft)	0.13	0.17	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.13	0.20	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	42127.80	8845.52	53770.71
C & E Loss (ft)		Cum SA (acres)	334.74	49.89	426.93

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY

REACH: PALUXY RIVER RS: 10397.4*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	740.8	237.19	723.54	321.27	711.36	441.75	704.71	481.9	720.49
642.54	711.63	883.49	632.33	1106.87	617.62	1445.71	610.88	1927.62	606.45
1976.56	606.37	2088.25	607.2	2248.89	607.8	2369.36	606	2450.94	606
3162.5	610	3373.33	610	3734.76	613	4015.87	611.2	4337.14	610
4427.5	610	4585.62	606	5060	606	5140	580.8	5320	580.8
5445	606	5592.21	614.94	5634.26	620.35	5781.47	629.29	6033.82	637.76
6117.94	644.59	6286.18	654.24	6454.41	663.88	6538.53	668.31	6643.68	668.24
6685.74	669.65	6790.88	675.18	6832.94	676.59	6959.12	678.82	7043.24	675.65
7106.32	677.76	7127.35	683.27	7148.38	683.18	7295.59	688.12	7463.82	721.76
7590	726								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	5060	.15	5445	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
5060	5445	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.57	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.55	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	675689.90	66621.90	211354.30
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	675689.90	66621.90	211354.30
Q Total (cfs)	943763.10	Flow (cfs)	688891.60	80253.45	174618.10
Top Width (ft)	7590.00	Top Width (ft)	5060.00	385.00	2145.00
Vel Total (ft/s)	0.99	Avg. Vel. (ft/s)	1.02	1.20	0.83
Max Chl Dpth (ft)	179.75	Hydr. Depth (ft)	133.54	173.04	98.53
Conv. Total (cfs)	238373700.0	Conv. (cfs)	173998800.0	20270250.0	44104680.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	5098.06	391.39	2186.03
Min Ch El (ft)	580.80	Shear (lb/sq ft)	0.13	0.17	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.13	0.20	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	41741.36	8807.54	53651.69
C & E Loss (ft)		Cum SA (acres)	331.85	49.67	425.72

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 10372.5*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	740.62	235.73	723.81	319.3	711.64	439.04	704.83	478.95	720.26
638.6	711.17	878.08	632.64	1100.09	617.66	1436.86	610.91	1915.81	606.36
1964.45	606.26	2075.46	607.08	2235.11	607.67	2354.85	605.9	2435.92	605.9
3143.12	610	3352.67	610	3711.88	612.95	3991.27	611.18	4310.57	610
4400.37	610	4557.53	605.9	5029	605.9	5108.5	580.77	5288	580.77
5414.25	605.9	5564.84	614.86	5607.86	620.35	5758.45	629.31	6016.59	637.64
6102.64	644.51	6274.74	654.16	6446.84	663.82	6532.89	668.23	6640.45	668.01
6683.47	669.4	6791.03	674.92	6834.06	676.31	6963.13	678.43	7049.18	675.05
7113.72	677.14	7135.23	682.75	7156.74	682.62	7307.33	687.48	7479.43	721.74
7608.5	725.9								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	5029	.15	5414.25	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
5029	5414.25	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.57	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.55	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	671700.80	66675.92	216643.20
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	671700.80	66675.92	216643.20
Q Total (cfs)	943761.80	Flow (cfs)	684364.20	80268.34	179129.30
Top Width (ft)	7608.50	Top Width (ft)	5029.00	385.25	2194.25
Vel Total (ft/s)	0.99	Avg. Vel. (ft/s)	1.02	1.20	0.83
Max Chl Dpth (ft)	179.78	Hydr. Depth (ft)	133.57	173.07	98.73
Conv. Total (cfs)	238564400.0	Conv. (cfs)	172993800.0	20290260.0	45280360.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	5066.99	391.60	2235.39
Min Ch El (ft)	580.77	Shear (lb/sq ft)	0.13	0.17	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.13	0.20	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	41357.19	8769.53	53529.66
C & E Loss (ft)		Cum SA (acres)	328.97	49.45	424.48

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 10347.7*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	740.44	234.28	724.09	317.33	711.93	436.33	704.95	476	720.02
634.67	710.71	872.67	632.95	1093.31	617.7	1428	610.93	1904	606.27
1952.34	606.15	2062.67	606.96	2221.33	607.54	2340.33	605.8	2420.91	605.8
3123.75	610	3332	610	3689	612.9	3966.67	611.16	4284	610
4373.25	610	4529.44	605.8	4998	605.8	5077	580.74	5256	580.74
5383.5	605.8	5537.47	614.78	5581.46	620.34	5735.42	629.32	5999.36	637.51
6087.34	644.44	6263.3	654.09	6439.26	663.75	6527.25	668.16	6637.22	667.79
6681.21	669.16	6791.19	674.67	6835.18	676.04	6967.15	678.03	7055.13	674.46
7121.11	676.51	7143.11	682.23	7165.1	682.07	7319.07	686.85	7495.03	721.71
7627	725.8								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	4998	.15	5383.5	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
4998	5383.5	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.57	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.55	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	667711.50	66730.02	221949.90
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	667711.50	66730.02	221949.90
Q Total (cfs)	943760.60	Flow (cfs)	679825.70	80281.13	183653.90
Top Width (ft)	7627.00	Top Width (ft)	4998.00	385.50	2243.50
Vel Total (ft/s)	0.99	Avg. Vel. (ft/s)	1.02	1.20	0.83
Max Chl Dpth (ft)	179.81	Hydr. Depth (ft)	133.60	173.10	98.93
Conv. Total (cfs)	238761400.0	Conv. (cfs)	171988700.0	20310270.0	46462470.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	5035.91	391.82	2284.76
Min Ch El (ft)	580.74	Shear (lb/sq ft)	0.13	0.17	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.13	0.20	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	40975.29	8731.50	53404.61

```
  C & E Loss (ft)                     Cum SA (acres)            326.11      49.23
 423.22


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10322.8*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  740.26  232.83  724.36  315.37  712.21  433.63  705.06  473.05  719.78
  630.73  710.25  867.25  633.25 1086.53  617.74 1419.14  610.95 1892.19  606.18
 1940.23  606.05 2049.87  606.84 2207.56  607.41 2325.82   605.7 2405.89   605.7
 3104.37     610 3311.33     610 3666.12  612.85 3942.06  611.14 4257.43     610
 4346.12     610 4501.34   605.7    4967   605.7  5045.5  580.71    5224  580.71
 5352.75   605.7  5510.1  614.69 5555.05  620.34  5712.4  629.33 5982.13  637.38
 6072.04  644.36 6251.87  654.02 6431.69  663.69  6521.6  668.09 6633.99  667.57
 6678.95  668.91 6791.34  674.42 6836.29  675.76 6971.16  677.63 7061.07  673.86
 7128.51  675.88 7150.99  681.71 7173.46  681.52 7330.81  686.21 7510.63  721.68
  7645.5   725.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4967     .15 5352.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4967 5352.75             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.57    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.55    Reach Len. (ft)            24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       663725.50   66784.10
227280.10
  E.G. Slope (ft/ft)      0.000016    Area (sq ft)            663725.50   66784.10
227280.10
  Q Total (cfs)           943759.30    Flow (cfs)              675272.10   80290.54
 188196.70
  Top Width (ft)           7645.50    Top Width (ft)           4967.00     385.75
2292.75
  Vel Total (ft/s)            0.99    Avg. Vel. (ft/s)            1.02       1.20
   0.83
  Max Chl Dpth (ft)         179.84    Hydr. Depth (ft)          133.63     173.13
  99.13
  Conv. Total (cfs)       238968000.0    Conv. (cfs)             170984700.0
20330250.0   47653020.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         5004.85     392.03
2334.12
  Min Ch El (ft)            580.71    Shear (lb/sq ft)            0.13       0.17
   0.09
```

Alpha	1.03	Stream Power (lb/ft s)	0.13	0.20	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	40595.66	8693.43	53276.52
C & E Loss (ft)		Cum SA (acres)	323.27	49.01	421.92

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 10298.0*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	740.08	231.37	724.64	313.4	712.5	430.92	705.18	470.1	719.54
626.79	709.79	861.84	633.56	1079.75	617.78	1410.29	610.97	1880.38	606.1
1928.12	605.94	2037.08	606.72	2193.78	607.28	2311.3	605.6	2390.87	605.6
3085	610	3290.67	610	3643.24	612.8	3917.46	611.12	4230.86	610
4319	610	4473.25	605.6	4936	605.6	5014	580.68	5192	580.68
5322	605.6	5482.73	614.61	5528.65	620.33	5689.37	629.34	5964.9	637.25
6056.74	644.28	6240.43	653.95	6424.12	663.62	6515.96	668.02	6630.76	667.35
6676.69	668.67	6791.49	674.16	6837.41	675.48	6975.18	677.24	7067.02	673.27
7135.9	675.25	7158.86	681.19	7181.82	680.96	7342.55	685.58	7526.24	721.65
7664	725.6								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	4936	.15	5322	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
4936	5322	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.57	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150	
W.S. Elev (ft)	760.55	Reach Len. (ft)	24.84	24.84	24.84	
Crit W.S. (ft)		Flow Area (sq ft)	659730.40	66838.33	232628.90	
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	659730.40	66838.33	232628.90	
Q Total (cfs)	943758.00	Flow (cfs)	670702.90	80299.11	192756.00	
Top Width (ft)	7664.00	Top Width (ft)	4936.00	386.00	2342.00	
Vel Total (ft/s)	0.98	Avg. Vel. (ft/s)	1.02	1.20	0.83	
Max Chl Dpth (ft)	179.87	Hydr. Depth (ft)	133.66	173.16	99.33	
Conv. Total (cfs)	239177500.0	Conv. (cfs)	169976900.0	20350280.0	48850360.0	

Length Wtd. (ft)	24.84	Wetted Per. (ft)	4973.79	392.25	2383.49
Min Ch El (ft)	580.68	Shear (lb/sq ft)	0.13	0.17	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.13	0.20	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	40218.32	8655.33	53145.39
C & E Loss (ft)		Cum SA (acres)	320.45	48.79	420.60

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 10273.2*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	739.9	229.92	724.91	311.43	712.78	428.21	705.3	467.14	719.31
622.86	709.33	856.43	633.87	1072.97	617.81	1401.43	610.99	1868.57	606.01
1916.02	605.84	2024.29	606.6	2180	607.15	2296.79	605.5	2375.86	605.5
3065.62	610	3270	610	3620.36	612.75	3892.86	611.1	4204.29	610
4291.87	610	4445.16	605.5	4905	605.5	4982.5	580.65	5160	580.65
5291.25	605.5	5455.35	614.53	5502.24	620.32	5666.35	629.35	5947.67	637.12
6041.45	644.21	6229	653.88	6416.54	663.56	6510.32	667.95	6627.54	667.13
6674.42	668.43	6791.64	673.91	6838.53	675.21	6979.19	676.84	7072.97	672.68
7143.3	674.62	7166.74	680.66	7190.18	680.41	7354.29	684.94	7541.84	721.62
7682.5	725.5								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	4905	.15	5291.25	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
4905	5291.25	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.57	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.55	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	655738.50	66892.58	237994.80
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	655738.50	66892.58	237994.80
Q Total (cfs)	943756.80	Flow (cfs)	666125.80	80305.13	197325.90
Top Width (ft)	7682.50	Top Width (ft)	4905.00	386.25	2391.25
Vel Total (ft/s)	0.98	Avg. Vel. (ft/s)	1.02	1.20	0.83

Max Chl Dpth (ft)	179.90	Hydr. Depth (ft)	133.69	173.18	99.53
Conv. Total (cfs)	239394500.0	Conv. (cfs)	168970300.0	20370300.0	50053940.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	4942.73	392.47	2432.86
Min Ch El (ft)	580.65	Shear (lb/sq ft)	0.13	0.17	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.13	0.20	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	39843.25	8617.20	53011.20
C & E Loss (ft)		Cum SA (acres)	317.64	48.57	419.25

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 10248.3*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	739.72	228.47	725.18	309.46	713.06	425.51	705.42	464.19	719.07
618.92	708.87	851.02	634.18	1066.19	617.85	1392.57	611.02	1856.76	605.92
1903.91	605.73	2011.49	606.48	2166.22	607.02	2282.27	605.4	2360.84	605.4
3046.25	610	3249.33	610	3597.48	612.7	3868.25	611.08	4177.71	610
4264.75	610	4417.06	605.4	4874	605.4	4951	580.62	5128	580.62
5260.5	605.4	5427.98	614.45	5475.84	620.32	5643.32	629.36	5930.44	636.99
6026.15	644.13	6217.56	653.81	6408.97	663.49	6504.68	667.88	6624.31	666.91
6672.16	668.18	6791.79	673.66	6839.65	674.93	6983.21	676.44	7078.91	672.08
7150.69	673.99	7174.62	680.14	7198.54	679.86	7366.03	684.31	7557.44	721.59
7701	725.4								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	4874	.15	5260.5	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
4874	5260.5	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.56	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150	
W.S. Elev (ft)	760.55	Reach Len. (ft)	24.84	24.84	24.84	
Crit W.S. (ft)		Flow Area (sq ft)	651741.30	66946.98	243383.00	
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	651741.30	66946.98	243383.00	
Q Total (cfs)	943755.50	Flow (cfs)	661531.80	80309.38	201914.30	

```
  Top Width (ft)           7701.00    Top Width (ft)           4874.00     386.50
2440.50
  Vel Total (ft/s)            0.98    Avg. Vel. (ft/s)            1.02       1.20
   0.83
  Max Chl Dpth (ft)         179.93    Hydr. Depth (ft)          133.72     173.21
  99.73
  Conv. Total (cfs)       239617300.0    Conv. (cfs)             167961400.0
20390360.0   51265570.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4911.68     392.69
2482.23
  Min Ch El (ft)            580.62    Shear (lb/sq ft)            0.13       0.17
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    39470.45    8579.04
52873.95
  C & E Loss (ft)                     Cum SA (acres)            314.85      48.35
 417.87


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10223.5*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.54  227.02  725.46  307.49  713.35   422.8  705.53  461.24  718.83
  614.98  708.41   845.6  634.49 1059.41  617.89 1383.71  611.04 1844.95  605.83
  1891.8  605.62  1998.7  606.36 2152.44  606.89 2267.75   605.3 2345.83   605.3
 3026.87     610 3228.67     610 3574.59  612.65 3843.65  611.06 4151.14     610
 4237.62     610 4388.97   605.3    4843   605.3  4919.5  580.59    5096  580.59
 5229.75   605.3 5400.61  614.36 5449.43  620.31  5620.3  629.38 5913.21  636.86
 6010.85  644.05 6206.12  653.74  6401.4  663.43 6499.03   667.8 6621.08  666.69
  6669.9  667.94 6791.95  673.41 6840.76  674.65 6987.22  676.04 7084.86  671.49
 7158.09  673.36  7182.5  679.62  7206.9  679.31 7377.77  683.67 7573.04  721.56
  7719.5   725.3

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4843     .15 5229.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4843 5229.75            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.56    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.55    Reach Len. (ft)            24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       647743.60   67001.34
248789.90
```

```
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            647743.60   67001.34
248789.90
  Q Total (cfs)           943754.20    Flow (cfs)              656927.50   80311.29
 206515.40
  Top Width (ft)           7719.50    Top Width (ft)           4843.00     386.75
2489.75
  Vel Total (ft/s)            0.98    Avg. Vel. (ft/s)            1.01       1.20
   0.83
  Max Chl Dpth (ft)         179.96    Hydr. Depth (ft)          133.75     173.24
  99.93
  Conv. Total (cfs)       239846600.0    Conv. (cfs)             166952200.0
20410390.0   52484020.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4880.63     392.91
2531.61
  Min Ch El (ft)            580.59    Shear (lb/sq ft)            0.13       0.16
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    39099.94    8540.85
52733.61
  C & E Loss (ft)                     Cum SA (acres)            312.08      48.13
 416.47
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 10198.6*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	739.36	225.56	725.73	305.52	713.63	420.1	705.65	458.29	718.59
611.05	707.95	840.19	634.79	1052.62	617.93	1374.86	611.06	1833.14	605.74
1879.69	605.52	1985.9	606.24	2138.67	606.76	2253.24	605.2	2330.81	605.2
3007.5	610	3208	610	3551.71	612.6	3819.05	611.04	4124.57	610
4210.5	610	4360.87	605.2	4812	605.2	4888	580.56	5064	580.56
5199	605.2	5373.24	614.28	5423.03	620.31	5597.27	629.39	5895.98	636.73
5995.55	643.98	6194.69	653.67	6393.82	663.36	6493.39	667.73	6617.85	666.47
6667.64	667.69	6792.1	673.15	6841.88	674.38	6991.24	675.65	7090.8	670.89
7165.48	672.73	7190.37	679.1	7215.26	678.75	7389.51	683.04	7588.65	721.53
7738	725.2								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	4812	.15	5199	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
4812	5199	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.56    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150
  0.150
```

```
  W.S. Elev (ft)            760.55    Reach Len. (ft)            24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       643747.80   67055.88
254215.70
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            643747.80   67055.88
254215.70
  Q Total (cfs)           943752.90    Flow (cfs)              652313.90   80310.89
 211128.10
  Top Width (ft)           7738.00    Top Width (ft)           4812.00     387.00
2539.00
  Vel Total (ft/s)            0.98    Avg. Vel. (ft/s)            1.01       1.20
   0.83
  Max Chl Dpth (ft)         179.99    Hydr. Depth (ft)          133.78     173.27
 100.12
  Conv. Total (cfs)       240083500.0    Conv. (cfs)             165943600.0
20430470.0   53709360.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4849.58     393.12
2580.99
  Min Ch El (ft)            580.56    Shear (lb/sq ft)            0.13       0.16
   0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    38731.70    8502.62
52590.20
  C & E Loss (ft)                     Cum SA (acres)            309.33      47.91
 415.03


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10173.8*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  739.18  224.11  726.01  303.56  713.92  417.39  705.77  455.33  718.35
  607.11  707.49  834.78   635.1 1045.84  617.97    1366  611.08 1821.33  605.65
 1867.58  605.41 1973.11  606.12 2124.89  606.63 2238.72   605.1  2315.8   605.1
 2988.12     610 3187.33     610 3528.83  612.55 3794.44  611.02    4098     610
 4183.37     610 4332.78   605.1    4781   605.1  4856.5  580.53    5032  580.53
 5168.25   605.1 5345.87   614.2 5396.62   620.3 5574.25   629.4 5878.75   636.6
 5980.25   643.9 6183.25   653.6 6386.25   663.3 6487.75  667.66 6614.62  666.25
 6665.38  667.45 6792.25   672.9    6843   674.1 6995.25  675.25 7096.75   670.3
 7172.88   672.1 7198.25  678.58 7223.62   678.2 7401.25   682.4 7604.25   721.5
  7756.5   725.1

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4781     .15 5168.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4781 5168.25            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
```

E.G. Elev (ft)	760.56	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.55	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	639745.60	67110.42	259662.20
E.G. Slope (ft/ft)	0.000015	Area (sq ft)	639745.60	67110.42	259662.20
Q Total (cfs)	943751.60	Flow (cfs)	647685.60	80308.83	215757.20
Top Width (ft)	7756.50	Top Width (ft)	4781.00	387.25	2588.25
Vel Total (ft/s)	0.98	Avg. Vel. (ft/s)	1.01	1.20	0.83
Max Chl Dpth (ft)	180.02	Hydr. Depth (ft)	133.81	173.30	100.32
Conv. Total (cfs)	240325200.0	Conv. (cfs)	164932300.0	20450540.0	54942300.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	4818.54	393.34	2630.37
Min Ch El (ft)	580.53	Shear (lb/sq ft)	0.13	0.16	0.10
Alpha	1.03	Stream Power (lb/ft s)	0.13	0.20	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	38365.75	8464.37	52443.68
C & E Loss (ft)		Cum SA (acres)	306.59	47.69	413.57

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 10149.*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	739	222.66	726.28	301.59	714.2	414.68	705.89	452.38	718.12
603.17	707.03	829.37	635.41	1039.06	618.01	1357.14	611.1	1809.52	605.56
1855.47	605.3	1960.32	606	2111.11	606.5	2224.21	605	2300.78	605
2968.75	610	3166.67	610	3505.95	612.5	3769.84	611	4071.43	610
4156.25	610	4304.69	605	4750	605	4825	580.5	5000	580.5
5137.5	605	5318.5	614.12	5370.22	620.29	5551.23	629.41	5861.52	636.47
5964.95	643.82	6171.81	653.53	6378.68	663.24	6482.11	667.59	6611.4	666.03
6663.11	667.21	6792.4	672.65	6844.12	673.82	6999.26	674.85	7102.7	669.71
7180.27	671.47	7206.13	678.06	7231.99	677.65	7412.99	681.76	7619.85	721.47
7775	725								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	4750	.15	5137.5	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
4750	5137.5	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.56	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.55	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	635743.10	67165.04	265128.30
E.G. Slope (ft/ft)	0.000015	Area (sq ft)	635743.10	67165.04	265128.30
Q Total (cfs)	943750.30	Flow (cfs)	643046.90	80304.50	220398.90
Top Width (ft)	7775.00	Top Width (ft)	4750.00	387.50	2637.50
Vel Total (ft/s)	0.97	Avg. Vel. (ft/s)	1.01	1.20	0.83
Max Chl Dpth (ft)	180.05	Hydr. Depth (ft)	133.84	173.33	100.52
Conv. Total (cfs)	240573800.0	Conv. (cfs)	163920700.0	20470620.0	56182430.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	4787.50	393.57	2679.76
Min Ch El (ft)	580.50	Shear (lb/sq ft)	0.13	0.16	0.10
Alpha	1.03	Stream Power (lb/ft s)	0.13	0.20	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	38002.08	8426.09	52294.05
C & E Loss (ft)		Cum SA (acres)	303.88	47.47	412.08

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 10124.1*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	738.82	221.2	726.56	299.62	714.48	411.98	706.01	449.43	717.88
599.24	706.58	823.95	635.72	1032.28	618.05	1348.29	611.13	1797.71	605.47
1843.36	605.2	1947.52	605.88	2097.33	606.37	2209.69	604.9	2285.77	604.9
2949.37	610	3146	610	3483.07	612.45	3745.24	610.98	4044.86	610
4129.12	610	4276.59	604.9	4719	604.9	4793.5	580.47	4968	580.47
5106.75	604.9	5291.13	614.04	5343.82	620.29	5528.2	629.42	5844.29	636.34
5949.65	643.75	6160.38	653.46	6371.1	663.17	6476.47	667.52	6608.17	665.81
6660.85	666.96	6792.55	672.39	6845.24	673.55	7003.28	674.46	7108.64	669.11
7187.66	670.84	7214	677.54	7240.35	677.09	7424.73	681.13	7635.46	721.44
7793.5	724.9								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val

```
       0     .15    4719     .15 5106.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4719 5106.75            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.56    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.55    Reach Len. (ft)            24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       631732.50   67219.77
270612.80
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            631732.50   67219.77
270612.80
  Q Total (cfs)           943748.90    Flow (cfs)              638395.20   80299.24
 225054.40
  Top Width (ft)           7793.50    Top Width (ft)           4719.00     387.75
2686.75
  Vel Total (ft/s)            0.97    Avg. Vel. (ft/s)            1.01       1.19
   0.83
  Max Chl Dpth (ft)         180.08    Hydr. Depth (ft)          133.87     173.36
 100.72
  Conv. Total (cfs)       240825600.0    Conv. (cfs)             162905500.0
20490740.0   57429330.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4756.48     393.79
2729.14
  Min Ch El (ft)            580.47    Shear (lb/sq ft)            0.13       0.16
   0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.20
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    37640.69    8387.77
52141.29
  C & E Loss (ft)                     Cum SA (acres)            301.18      47.24
 410.56


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10099.3*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.64  219.75  726.83  297.65  714.77  409.27  706.12  446.48  717.64
   595.3  706.12  818.54  636.03  1025.5  618.09 1339.43  611.15  1785.9  605.39
 1831.25  605.09 1934.73  605.76 2083.56  606.24 2195.17   604.8 2270.75   604.8
    2930     610 3125.33     610 3460.19   612.4 3720.63  610.96 4018.29     610
    4102     610  4248.5   604.8    4688   604.8    4762  580.44    4936  580.44
    5076   604.8 5263.76  613.95 5317.41  620.28 5505.18  629.44 5827.06  636.21
 5934.35  643.67 6148.94  653.39 6363.53  663.11 6470.82  667.44 6604.94  665.59
 6658.59  666.72 6792.71  672.14 6846.35  673.27 7007.29  674.06 7114.59  668.52
 7195.06  670.21 7221.88  677.02 7248.71  676.54 7436.47  680.49 7651.06  721.41
```

```
    7812   724.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4688     .15    5076     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4688    5076             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.56    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.55    Reach Len. (ft)             24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       627724.40   67274.52
276118.00
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            627724.40   67274.52
276118.00
  Q Total (cfs)           943747.60    Flow (cfs)              633734.70   80291.09
 229721.80
  Top Width (ft)           7812.00    Top Width (ft)           4688.00     388.00
2736.00
  Vel Total (ft/s)            0.97    Avg. Vel. (ft/s)            1.01       1.19
   0.83
  Max Chl Dpth (ft)         180.11    Hydr. Depth (ft)          133.90     173.39
 100.92
  Conv. Total (cfs)       241086000.0    Conv. (cfs)             161891400.0
20510840.0   58683840.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4725.45     394.01
2778.53
  Min Ch El (ft)            580.44    Shear (lb/sq ft)            0.13       0.16
   0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.19
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    37281.59    8349.42
51985.41
  C & E Loss (ft)                     Cum SA (acres)            298.50      47.02
 409.02



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10074.4*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.46   218.3   727.1  295.68  715.05  406.56  706.24  443.52   717.4
  591.37  705.66  813.13  636.34 1018.72  618.13 1330.57  611.17  1774.1   605.3
 1819.14  604.99 1921.94  605.64 2069.78  606.11 2180.66   604.7 2255.73   604.7
 2910.62     610 3104.67     610 3437.31  612.35 3696.03  610.94 3991.71     610
 4074.87     610 4220.41   604.7    4657   604.7  4730.5  580.41    4904  580.41
```

```
 5045.25   604.7 5236.39  613.87 5291.01  620.28 5482.15  629.45 5809.83  636.08
 5919.05  643.59  6137.5  653.32 6355.96  663.04 6465.18  667.37 6601.71  665.37
 6656.33  666.47 6792.86  671.89 6847.47  672.99 7011.31  673.66 7120.53  667.92
 7202.45  669.58 7229.76   676.5 7257.07  675.99 7448.21  679.86 7666.66  721.38
  7830.5   724.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4657     .15 5045.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4657 5045.25             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.56    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.55    Reach Len. (ft)             24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       623716.40   67329.37
281643.40
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            623716.40   67329.37
281643.40
  Q Total (cfs)           943746.30    Flow (cfs)              629064.70   80280.58
 234401.00
  Top Width (ft)           7830.50    Top Width (ft)           4657.00     388.25
2785.25
  Vel Total (ft/s)            0.97    Avg. Vel. (ft/s)            1.01       1.19
   0.83
  Max Chl Dpth (ft)         180.14    Hydr. Depth (ft)          133.93     173.42
 101.12
  Conv. Total (cfs)       241353900.0    Conv. (cfs)             160877100.0
20530970.0   59945770.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4694.42     394.23
2827.92
  Min Ch El (ft)            580.41    Shear (lb/sq ft)            0.13       0.16
   0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.19
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    36924.77    8311.04
51826.38
  C & E Loss (ft)                     Cum SA (acres)            295.83      46.80
 407.44


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10049.6*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  738.28  216.84  727.38  293.71  715.34  403.86  706.36  440.57  717.17
```

```
  587.43   705.2  807.71  636.64 1011.94  618.17 1321.71  611.19 1762.29  605.21
 1807.03  604.88 1909.14  605.52    2056  605.98 2166.14   604.6 2240.72   604.6
 2891.25     610    3084     610 3414.43   612.3 3671.43  610.92 3965.14     610
 4047.75     610 4192.31   604.6    4626   604.6    4699  580.38    4872  580.38
  5014.5   604.6 5209.02  613.79  5264.6  620.27 5459.13  629.46  5792.6  635.95
 5903.75  643.52 6126.07  653.25 6348.38  662.98 6459.54   667.3 6598.49  665.15
 6654.06  666.23 6793.01  671.64 6848.59  672.72 7015.32  673.26 7126.48  667.33
 7209.85  668.95 7237.64  675.97 7265.43  675.44 7459.95  679.22 7682.26  721.35
    7849   724.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4626     .15  5014.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4626  5014.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.56    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.54    Reach Len. (ft)             24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       619706.80   67384.25
287185.40
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            619706.80   67384.25
287185.40
  Q Total (cfs)           943744.90    Flow (cfs)              624387.60   80268.31
 239089.00
  Top Width (ft)           7849.00    Top Width (ft)           4626.00     388.50
2834.50
  Vel Total (ft/s)            0.97    Avg. Vel. (ft/s)            1.01       1.19
   0.83
  Max Chl Dpth (ft)         180.16    Hydr. Depth (ft)          133.96     173.45
 101.32
  Conv. Total (cfs)       241627000.0    Conv. (cfs)             159862000.0
20551100.0   61213960.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4663.41     394.46
2877.31
  Min Ch El (ft)            580.38    Shear (lb/sq ft)            0.13       0.16
   0.10
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.19
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    36570.24    8272.63
51664.19
  C & E Loss (ft)                     Cum SA (acres)            293.18      46.58
 405.84


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 10024.8*

INPUT
```

Description:

Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	738.1	215.39	727.65	291.75	715.62	401.15	706.48	437.62	716.93
583.49	704.74	802.3	636.95	1005.16	618.21	1312.86	611.21	1750.48	605.12
1794.92	604.77	1896.35	605.4	2042.22	605.85	2151.63	604.5	2225.7	604.5
2871.88	610	3063.33	610	3391.55	612.25	3646.83	610.9	3938.57	610
4020.62	610	4164.22	604.5	4595	604.5	4667.5	580.35	4840	580.35
4983.75	604.5	5181.65	613.71	5238.2	620.26	5436.1	629.47	5775.37	635.82
5888.46	643.44	6114.63	653.18	6340.81	662.91	6453.9	667.23	6595.26	664.93
6651.8	665.99	6793.16	671.38	6849.71	672.44	7019.34	672.87	7132.43	666.74
7217.24	668.32	7245.51	675.45	7273.79	674.88	7471.69	678.59	7697.87	721.32
7867.5	724.5								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	4595	.15	4983.75	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
4595	4983.75	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.56	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.54	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	615695.60	67439.20	292750.00
E.G. Slope (ft/ft)	0.000015	Area (sq ft)	615695.60	67439.20	292750.00
Q Total (cfs)	943743.50	Flow (cfs)	619698.90	80253.59	243791.00
Top Width (ft)	7867.50	Top Width (ft)	4595.00	388.75	2883.75
Vel Total (ft/s)	0.97	Avg. Vel. (ft/s)	1.01	1.19	0.83
Max Chl Dpth (ft)	180.19	Hydr. Depth (ft)	133.99	173.48	101.52
Conv. Total (cfs)	241907900.0	Conv. (cfs)	158846200.0	20571240.0	62490460.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	4632.40	394.68	2926.70
Min Ch El (ft)	580.35	Shear (lb/sq ft)	0.13	0.16	0.10
Alpha	1.03	Stream Power (lb/ft s)	0.13	0.19	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	36218.00	8234.19	51498.84
C & E Loss (ft)		Cum SA (acres)	290.55	46.36	404.21

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 9999.96*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	737.92	213.94	727.93	289.78	715.9	398.44	706.59	434.67	716.69
579.56	704.28	796.89	637.26	998.38	618.25	1304	611.24	1738.67	605.03
1782.81	604.67	1883.56	605.28	2028.44	605.72	2137.11	604.4	2210.69	604.4
2852.5	610	3042.67	610	3368.67	612.2	3622.22	610.88	3912	610
3993.5	610	4136.12	604.4	4564	604.4	4636	580.32	4808	580.32
4953	604.4	5154.28	613.62	5211.79	620.26	5413.08	629.48	5758.14	635.69
5873.16	643.36	6103.2	653.11	6333.24	662.85	6448.25	667.16	6592.03	664.71
6649.54	665.74	6793.31	671.13	6850.82	672.16	7023.35	672.47	7138.37	666.14
7224.64	667.69	7253.39	674.93	7282.15	674.33	7483.43	677.95	7713.47	721.29
7886	724.4								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	4564	.15	4953	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
4564	4953	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.56	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.54	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	611677.10	67494.22	298335.90
E.G. Slope (ft/ft)	0.000015	Area (sq ft)	611677.10	67494.22	298335.90
Q Total (cfs)	943742.10	Flow (cfs)	614996.80	80237.46	248507.90
Top Width (ft)	7886.00	Top Width (ft)	4564.00	389.00	2933.00
Vel Total (ft/s)	0.97	Avg. Vel. (ft/s)	1.01	1.19	0.83
Max Chl Dpth (ft)	180.22	Hydr. Depth (ft)	134.02	173.51	101.72
Conv. Total (cfs)	242193200.0	Conv. (cfs)	157827100.0	20591400.0	63774770.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	4601.39	394.91	2976.09
Min Ch El (ft)	580.32	Shear (lb/sq ft)	0.13	0.16	0.10
Alpha	1.03	Stream Power (lb/ft s)	0.13	0.19	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	35868.05	8195.72	51330.30
C & E Loss (ft)		Cum SA (acres)	287.94	46.14	402.55

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 9975.12*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	737.74	212.48	728.2	287.81	716.19	395.74	706.71	431.71	716.45
575.62	703.82	791.48	637.57	991.59	618.29	1295.14	611.26	1726.86	604.94
1770.7	604.56	1870.76	605.16	2014.67	605.59	2122.6	604.3	2195.67	604.3
2833.12	610	3022	610	3345.79	612.15	3597.62	610.86	3885.43	610
3966.38	610	4108.03	604.3	4533	604.3	4604.5	580.29	4776	580.29
4922.25	604.3	5126.91	613.54	5185.39	620.25	5390.05	629.49	5740.91	635.56
5857.86	643.29	6091.76	653.04	6325.66	662.78	6442.61	667.09	6588.8	664.49
6647.28	665.5	6793.47	670.88	6851.94	671.89	7027.37	672.07	7144.32	665.55
7232.03	667.06	7261.27	674.41	7290.51	673.78	7495.17	677.32	7729.07	721.26
7904.5	724.3								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	4533	.15	4922.25	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
4533	4922.25	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.56	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.54	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	607661.70	67549.31	303935.80
E.G. Slope (ft/ft)	0.000015	Area (sq ft)	607661.70	67549.31	303935.80
Q Total (cfs)	943740.80	Flow (cfs)	610293.90	80219.23	253227.70
Top Width (ft)	7904.50	Top Width (ft)	4533.00	389.25	2982.25
Vel Total (ft/s)	0.96	Avg. Vel. (ft/s)	1.00	1.19	0.83
Max Chl Dpth (ft)	180.25	Hydr. Depth (ft)	134.05	173.54	101.91
Conv. Total (cfs)	242485200.0	Conv. (cfs)	156809200.0	20611570.0	65064440.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	4570.39	395.13	3025.49
Min Ch El (ft)	580.29	Shear (lb/sq ft)	0.13	0.16	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.13	0.19	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	35520.38	8157.21	51158.58
C & E Loss (ft)		Cum SA (acres)	285.35	45.92	400.87

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 9950.28*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	737.56	211.03	728.48	285.84	716.47	393.03	706.83	428.76	716.22
571.68	703.36	786.06	637.88	984.81	618.33	1286.29	611.28	1715.05	604.85
1758.59	604.46	1857.97	605.04	2000.89	605.46	2108.08	604.2	2180.66	604.2
2813.75	610	3001.33	610	3322.9	612.1	3573.02	610.84	3858.86	610
3939.25	610	4079.94	604.2	4502	604.2	4573	580.26	4744	580.26
4891.5	604.2	5099.54	613.46	5158.99	620.25	5367.03	629.51	5723.68	635.44
5842.56	643.21	6080.32	652.96	6318.09	662.72	6436.97	667.01	6585.57	664.26
6645.01	665.25	6793.62	670.62	6853.06	671.61	7031.38	671.68	7150.26	664.95
7239.43	666.44	7269.15	673.89	7298.87	673.22	7506.91	676.68	7744.68	721.24
7923	724.2								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	4502	.15	4891.5	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
4502	4891.5	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.56	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.54	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	603642.30	67604.46	309557.50
E.G. Slope (ft/ft)	0.000015	Area (sq ft)	603642.30	67604.46	309557.50
Q Total (cfs)	943739.40	Flow (cfs)	605579.60	80199.05	257960.70
Top Width (ft)	7923.00	Top Width (ft)	4502.00	389.50	3031.50
Vel Total (ft/s)	0.96	Avg. Vel. (ft/s)	1.00	1.19	0.83
Max Chl Dpth (ft)	180.28	Hydr. Depth (ft)	134.08	173.57	102.11
Conv. Total (cfs)	242783300.0	Conv. (cfs)	155789500.0	20631750.0	66362130.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	4539.40	395.36	3074.88
Min Ch El (ft)	580.26	Shear (lb/sq ft)	0.13	0.16	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.13	0.19	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	35175.01	8118.68	

```
50983.66
  C & E Loss (ft)                     Cum SA (acres)            282.77      45.69
 399.15


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9925.44*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  737.38  209.58  728.75  283.87  716.75  390.33  706.95  425.81  715.98
  567.75   702.9  780.65  638.19  978.03  618.37 1277.43   611.3 1703.24  604.76
 1746.48  604.35 1845.17  604.92 1987.11  605.33 2093.56   604.1 2165.64   604.1
 2794.38     610 2980.67     610 3300.02  612.05 3548.41  610.82 3832.29     610
 3912.12     610 4051.84   604.1    4471   604.1  4541.5  580.23    4712  580.23
 4860.75   604.1 5072.17  613.38 5132.58  620.24    5344  629.52 5706.45  635.31
 5827.26  643.14 6068.89  652.89 6310.51  662.65 6431.33  666.94 6582.35  664.04
 6642.75  665.01 6793.77  670.37 6854.18  671.34  7035.4  671.28 7156.21  664.36
 7246.82  665.81 7277.02  673.37 7307.23  672.67 7518.65  676.05 7760.28  721.21
  7941.5   724.1

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4471     .15 4860.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4471 4860.75             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.56    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.54    Reach Len. (ft)             24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       599623.70   67659.71
315196.60
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            599623.70   67659.71
315196.60
  Q Total (cfs)           943738.00    Flow (cfs)              600861.00   80176.78
 262700.20
  Top Width (ft)           7941.50    Top Width (ft)           4471.00     389.75
3080.75
  Vel Total (ft/s)            0.96    Avg. Vel. (ft/s)            1.00       1.19
   0.83
  Max Chl Dpth (ft)         180.31    Hydr. Depth (ft)          134.11     173.60
 102.31
  Conv. Total (cfs)       243088400.0    Conv. (cfs)             154770000.0
20651960.0   67666420.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4508.40     395.58
3124.28
  Min Ch El (ft)            580.23    Shear (lb/sq ft)            0.13       0.16
```

```
   0.09
  Alpha                        1.03    Stream Power (lb/ft s)      0.13       0.19
   0.08
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    34831.93    8080.11
50805.53
  C & E Loss (ft)                      Cum SA (acres)            280.22      45.47
 397.41


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9900.6*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   737.2  208.12  729.03   281.9  717.04  387.62  707.06  422.86  715.74
  563.81  702.44  775.24  638.49  971.25  618.41 1268.57  611.32 1691.43  604.68
 1734.38  604.24 1832.38   604.8 1973.33   605.2 2079.05     604 2150.62     604
    2775     610    2960     610 3277.14     612 3523.81   610.8 3805.71     610
    3885     610 4023.75     604    4440     604    4510   580.2    4680   580.2
    4830     604  5044.8  613.29 5106.18  620.24 5320.98  629.53 5689.22  635.18
 5811.96  643.06 6057.45  652.82 6302.94  662.59 6425.69  666.87 6579.12  663.82
 6640.49  664.76 6793.92  670.12 6855.29  671.06 7039.41  670.88 7162.16  663.76
 7254.22  665.18  7284.9  672.85 7315.59  672.12 7530.39  675.41 7775.88  721.18
    7960     724

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4440     .15    4830     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4440    4830            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.56    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.54    Reach Len. (ft)             24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       595601.40   67714.99
320860.90
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            595601.40   67714.99
320860.90
  Q Total (cfs)           943736.60    Flow (cfs)              596128.80   80152.09
 267455.70
  Top Width (ft)           7960.00    Top Width (ft)           4440.00     390.00
3130.00
  Vel Total (ft/s)            0.96    Avg. Vel. (ft/s)            1.00       1.18
   0.83
  Max Chl Dpth (ft)         180.34    Hydr. Depth (ft)          134.14     173.63
 102.51
  Conv. Total (cfs)       243400900.0    Conv. (cfs)             153748700.0
```

```
20672170.0   68980000.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4477.42     395.81
3173.68
  Min Ch El (ft)            580.20    Shear (lb/sq ft)            0.12       0.16
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.19
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    34491.14    8041.51
50624.17
  C & E Loss (ft)                     Cum SA (acres)            277.67      45.25
 395.64
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 9875.76*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	737.02	206.67	729.3	279.94	717.32	384.91	707.18	419.9	715.5
559.87	701.98	769.83	638.8	964.47	618.45	1259.71	611.35	1679.62	604.59
1722.27	604.14	1819.59	604.68	1959.56	605.07	2064.53	603.9	2135.61	603.9
2755.62	610	2939.33	610	3254.26	611.95	3499.21	610.78	3779.14	610
3857.88	610	3995.66	603.9	4409	603.9	4478.5	580.17	4648	580.17
4799.25	603.9	5017.43	613.21	5079.77	620.23	5297.96	629.54	5671.99	635.05
5796.66	642.98	6046.01	652.75	6295.37	662.52	6420.04	666.8	6575.89	663.6
6638.23	664.52	6794.07	669.86	6856.41	670.78	7043.43	670.49	7168.1	663.17
7261.61	664.55	7292.78	672.33	7323.95	671.56	7542.13	674.78	7791.49	721.15
7978.5	723.9								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	4409	.15	4799.25	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
4409	4799.25	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.56    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.54    Reach Len. (ft)             24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       591575.10   67770.40
326543.60
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            591575.10   67770.40
326543.60
  Q Total (cfs)           943735.20    Flow (cfs)              591389.30   80125.89
 272220.00
  Top Width (ft)           7978.50    Top Width (ft)           4409.00     390.25
3179.25
  Vel Total (ft/s)            0.96    Avg. Vel. (ft/s)            1.00       1.18
```

```
   0.83
  Max Chl Dpth (ft)         180.37    Hydr. Depth (ft)          134.17     173.66
 102.71
  Conv. Total (cfs)       243718600.0    Conv. (cfs)             152725700.0
20692430.0   70300530.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4446.44     396.04
3223.08
  Min Ch El (ft)            580.17    Shear (lb/sq ft)            0.12       0.16
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.19
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    34152.65    8002.88
50439.58
  C & E Loss (ft)                     Cum SA (acres)            275.15      45.03
 393.84
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 9850.92*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	736.84	205.22	729.57	277.97	717.61	382.21	707.3	416.95	715.26
555.94	701.52	764.41	639.11	957.69	618.49	1250.86	611.37	1667.81	604.5
1710.16	604.03	1806.79	604.56	1945.78	604.94	2050.02	603.8	2120.59	603.8
2736.25	610	2918.67	610	3231.38	611.9	3474.6	610.76	3752.57	610
3830.75	610	3967.56	603.8	4378	603.8	4447	580.14	4616	580.14
4768.5	603.8	4990.06	613.13	5053.37	620.22	5274.93	629.55	5654.75	634.92
5781.36	642.91	6034.58	652.68	6287.79	662.46	6414.4	666.73	6572.66	663.38
6635.97	664.28	6794.23	669.61	6857.53	670.51	7047.44	670.09	7174.05	662.58
7269	663.92	7300.66	671.8	7332.31	671.01	7553.87	674.14	7807.09	721.12
7997	723.8								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	4378	.15	4768.5	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
4378	4768.5	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.55    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.54    Reach Len. (ft)            24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       587549.90   67825.82
332242.00
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            587549.90   67825.82
332242.00
  Q Total (cfs)           943733.80    Flow (cfs)              586648.30   80097.63
```

```
 276987.90
  Top Width (ft)           7997.00    Top Width (ft)           4378.00     390.50
3228.50
  Vel Total (ft/s)            0.96    Avg. Vel. (ft/s)            1.00       1.18
   0.83
  Max Chl Dpth (ft)         180.40    Hydr. Depth (ft)          134.21     173.69
 102.91
  Conv. Total (cfs)       244042800.0    Conv. (cfs)             151703000.0
20712670.0   71627070.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4415.47     396.27
3272.48
  Min Ch El (ft)            580.14    Shear (lb/sq ft)            0.12       0.16
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.19
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    33816.46    7964.22
50251.75
  C & E Loss (ft)                     Cum SA (acres)            272.65      44.80
 392.01
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 9826.08*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	736.66	203.77	729.85	276	717.89	379.5	707.42	414	715.03
552	701.06	759	639.42	950.91	618.53	1242	611.39	1656	604.41
1698.05	603.93	1794	604.44	1932	604.81	2035.5	603.7	2105.58	603.7
2716.88	610	2898	610	3208.5	611.85	3450	610.74	3726	610
3803.63	610	3939.47	603.7	4347	603.7	4415.5	580.11	4584	580.11
4737.75	603.7	4962.69	613.05	5026.96	620.22	5251.91	629.56	5637.52	634.79
5766.06	642.83	6023.14	652.61	6280.22	662.39	6408.76	666.66	6569.43	663.16
6633.7	664.03	6794.38	669.36	6858.65	670.23	7051.46	669.69	7180	661.98
7276.4	663.29	7308.53	671.28	7340.67	670.46	7565.61	673.51	7822.69	721.09
8015.5	723.7								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	4347	.15	4737.75	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
4347	4737.75	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.55    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.54    Reach Len. (ft)            24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       583520.30   67881.27
```

```
337962.90
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            583520.30   67881.27
337962.90
  Q Total (cfs)           943732.40    Flow (cfs)              581896.80   80067.41
 281768.20
  Top Width (ft)           8015.50    Top Width (ft)           4347.00     390.75
3277.75
  Vel Total (ft/s)            0.95    Avg. Vel. (ft/s)            1.00       1.18
   0.83
  Max Chl Dpth (ft)         180.43    Hydr. Depth (ft)          134.24     173.72
 103.11
  Conv. Total (cfs)       244373100.0    Conv. (cfs)             150678200.0
20732910.0   72961960.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4384.50     396.50
3321.88
  Min Ch El (ft)            580.11    Shear (lb/sq ft)            0.12       0.16
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.19
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    33482.56    7925.53
50060.66
  C & E Loss (ft)                     Cum SA (acres)            270.16      44.58
 390.16
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 9801.24*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	736.48	202.31	730.12	274.03	718.17	376.79	707.54	411.05	714.79
548.06	700.6	753.59	639.73	944.13	618.57	1233.14	611.41	1644.19	604.32
1685.94	603.82	1781.21	604.32	1918.22	604.68	2020.98	603.6	2090.56	603.6
2697.5	610	2877.33	610	3185.62	611.8	3425.4	610.72	3699.43	610
3776.5	610	3911.38	603.6	4316	603.6	4384	580.08	4552	580.08
4707	603.6	4935.32	612.96	5000.56	620.21	5228.88	629.58	5620.29	634.66
5750.76	642.75	6011.71	652.54	6272.65	662.33	6403.12	666.58	6566.21	662.94
6631.44	663.79	6794.53	669.11	6859.76	669.95	7055.47	669.29	7185.94	661.39
7283.79	662.66	7316.41	670.76	7349.03	669.91	7577.35	672.87	7838.29	721.06
8034	723.6								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	4316	.15	4707	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
4316	4707	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.55    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150
```

```
  0.150
  W.S. Elev (ft)            760.54    Reach Len. (ft)            24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       579492.90   67936.87
343703.70
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            579492.90   67936.87
343703.70
  Q Total (cfs)           943730.90    Flow (cfs)              577141.60   80034.71
 286554.60
  Top Width (ft)           8034.00    Top Width (ft)           4316.00     391.00
3327.00
  Vel Total (ft/s)            0.95    Avg. Vel. (ft/s)            1.00       1.18
   0.83
  Max Chl Dpth (ft)         180.46    Hydr. Depth (ft)          134.27     173.75
 103.31
  Conv. Total (cfs)       244711900.0    Conv. (cfs)             149654300.0
20753210.0   74304360.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4353.54     396.73
3371.28
  Min Ch El (ft)            580.08    Shear (lb/sq ft)            0.12       0.16
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.19
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    33150.96    7886.80
49866.30
  C & E Loss (ft)                     Cum SA (acres)            267.69      44.36
 388.27


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9776.4*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   736.3  200.86   730.4  272.06  718.46  374.09  707.65   408.1  714.55
  544.13  700.15  748.17  640.03  937.34  618.61 1224.29  611.44 1632.38  604.23
 1673.83  603.71 1768.41   604.2 1904.44  604.55 2006.47   603.5 2075.55   603.5
 2678.13     610 2856.67     610 3162.74  611.75 3400.79   610.7 3672.86     610
 3749.38     610 3883.28   603.5    4285   603.5  4352.5  580.05    4520  580.05
 4676.25   603.5 4907.95  612.88 4974.15  620.21 5205.86  629.59 5603.06  634.53
 5735.47  642.68 6000.27  652.47 6265.07  662.26 6397.48  666.51 6562.98  662.72
 6629.18  663.54 6794.68  668.85 6860.88  669.68 7059.49   668.9 7191.89  660.79
 7291.19  662.03 7324.29  670.24 7357.39  669.35 7589.09  672.24  7853.9  721.03
  8052.5   723.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4285     .15 4676.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4285 4676.25            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
```

E.G. Elev (ft)	760.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.54	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	575458.20	67992.50	349461.90
E.G. Slope (ft/ft)	0.000015	Area (sq ft)	575458.20	67992.50	349461.90
Q Total (cfs)	943729.50	Flow (cfs)	572378.90	80001.07	291349.50
Top Width (ft)	8052.50	Top Width (ft)	4285.00	391.25	3376.25
Vel Total (ft/s)	0.95	Avg. Vel. (ft/s)	0.99	1.18	0.83
Max Chl Dpth (ft)	180.49	Hydr. Depth (ft)	134.30	173.78	103.51
Conv. Total (cfs)	245053800.0	Conv. (cfs)	148626900.0	20773500.0	75653370.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	4322.59	396.96	3420.69
Min Ch El (ft)	580.05	Shear (lb/sq ft)	0.12	0.16	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.12	0.19	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	32821.65	7848.05	49668.66
C & E Loss (ft)		Cum SA (acres)	265.24	44.14	386.36

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 9751.56*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	736.12	199.41	730.67	270.1	718.74	371.38	707.77	405.14	714.31
540.19	699.69	742.76	640.34	930.56	618.65	1215.43	611.46	1620.57	604.14
1661.72	603.61	1755.62	604.08	1890.67	604.42	1991.95	603.4	2060.53	603.4
2658.75	610	2836	610	3139.86	611.7	3376.19	610.68	3646.29	610
3722.25	610	3855.19	603.4	4254	603.4	4321	580.02	4488	580.02
4645.5	603.4	4880.58	612.8	4947.75	620.2	5182.83	629.6	5585.83	634.4
5720.17	642.6	5988.83	652.4	6257.5	662.2	6391.83	666.44	6559.75	662.5
6626.92	663.3	6794.83	668.6	6862	669.4	7063.5	668.5	7197.83	660.2
7298.58	661.4	7332.17	669.72	7365.75	668.8	7600.83	671.6	7869.5	721
8071	723.4								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	4254	.15	4645.5	.15

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.

```
          4254  4645.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.55    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.54    Reach Len. (ft)            24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       571425.60   68048.18
355241.80
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            571425.60   68048.18
355241.80
  Q Total (cfs)           943728.10    Flow (cfs)              567612.10   79964.60
 296151.40
  Top Width (ft)           8071.00    Top Width (ft)           4254.00     391.50
3425.50
  Vel Total (ft/s)            0.95    Avg. Vel. (ft/s)            0.99       1.18
   0.83
  Max Chl Dpth (ft)         180.52    Hydr. Depth (ft)          134.33     173.81
 103.71
  Conv. Total (cfs)       245404800.0    Conv. (cfs)             147600500.0
20793810.0   77010530.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4291.64     397.19
3470.09
  Min Ch El (ft)            580.02    Shear (lb/sq ft)            0.12       0.16
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.19
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    32494.65    7809.26
49467.73
  C & E Loss (ft)                     Cum SA (acres)            262.80      43.91
 384.42


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9726.72*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  735.94  197.95  730.95  268.13  719.03  368.67  707.89  402.19  714.08
  536.25  699.23  737.35  640.65  923.78  618.69 1206.57  611.48 1608.76  604.05
 1649.61   603.5 1742.83  603.96 1876.89  604.29 1977.44   603.3 2045.52   603.3
 2639.38     610 2815.33     610 3116.98  611.65 3351.59  610.66 3619.71     610
 3695.13     610 3827.09   603.3    4223   603.3  4289.5  579.99    4456  579.99
 4614.75   603.3 4853.21  612.72 4921.35  620.19 5159.81  629.61  5568.6  634.27
 5704.87  642.52  5977.4  652.33 6249.93  662.14 6386.19  666.37 6556.52  662.28
 6624.65  663.06 6794.99  668.35 6863.12  669.12 7067.51   668.1 7203.78  659.61
 7305.98  660.77 7340.04   669.2 7374.11  668.25 7612.57  670.96  7885.1  720.97
  8089.5   723.3

Manning's n Values        num=       3
```

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	4223	.15	4614.75	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
4223	4614.75	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.54	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	567389.10	68103.98	361041.50
E.G. Slope (ft/ft)	0.000015	Area (sq ft)	567389.10	68103.98	361041.50
Q Total (cfs)	943726.60	Flow (cfs)	562838.60	79926.53	300961.60
Top Width (ft)	8089.50	Top Width (ft)	4223.00	391.75	3474.75
Vel Total (ft/s)	0.95	Avg. Vel. (ft/s)	0.99	1.17	0.83
Max Chl Dpth (ft)	180.55	Hydr. Depth (ft)	134.36	173.85	103.90
Conv. Total (cfs)	245761600.0	Conv. (cfs)	146572200.0	20814150.0	78375220.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	4260.70	397.42	3519.50
Min Ch El (ft)	579.99	Shear (lb/sq ft)	0.12	0.16	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.12	0.19	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	32169.94	7770.44	49263.50
C & E Loss (ft)		Cum SA (acres)	260.38	43.69	382.45

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 9701.88*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	735.76	196.5	731.22	266.16	719.31	365.97	708.01	399.24	713.84
532.32	698.77	731.94	640.96	917	618.73	1197.71	611.5	1596.95	603.97
1637.5	603.4	1730.03	603.84	1863.11	604.16	1962.92	603.2	2030.5	603.2
2620	610	2794.67	610	3094.1	611.6	3326.98	610.64	3593.14	610
3668	610	3799	603.2	4192	603.2	4258	579.96	4424	579.96
4584	603.2	4825.84	612.64	4894.94	620.19	5136.78	629.62	5551.37	634.14
5689.57	642.45	5965.96	652.26	6242.35	662.07	6380.55	666.3	6553.29	662.06
6622.39	662.81	6795.14	668.09	6864.24	668.85	7071.53	667.71	7209.73	659.01

```
 7313.37  660.14 7347.92  668.68 7382.47  667.69 7624.31  670.33 7900.71  720.94
    8108   723.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4192     .15    4584     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4192    4584            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.55    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.54    Reach Len. (ft)             24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       563350.20   68159.79
366858.30
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            563350.20   68159.79
366858.30
  Q Total (cfs)           943725.20    Flow (cfs)              558062.30   79886.80
 305776.10
  Top Width (ft)           8108.00    Top Width (ft)           4192.00     392.00
3524.00
  Vel Total (ft/s)            0.95    Avg. Vel. (ft/s)            0.99       1.17
   0.83
  Max Chl Dpth (ft)         180.58    Hydr. Depth (ft)          134.39     173.88
 104.10
  Conv. Total (cfs)       246123600.0    Conv. (cfs)             145542700.0
20834490.0   79746450.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4229.77     397.65
3568.90
  Min Ch El (ft)            579.96    Shear (lb/sq ft)            0.12       0.16
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.18
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31847.54    7731.58
49055.96
  C & E Loss (ft)                     Cum SA (acres)            257.98      43.47
 380.46



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9677.04*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  735.58  195.05  731.49  264.19  719.59  363.26  708.12  396.29   713.6
  528.38  698.31  726.52  641.27  910.22  618.77 1188.86  611.52 1585.14  603.88
 1625.39  603.29 1717.24  603.72 1849.33  604.03 1948.41   603.1 2015.48   603.1
 2600.63     610    2774     610 3071.21  611.55 3302.38  610.62 3566.57     610
```

```
 3640.88     610 3770.91   603.1    4161   603.1  4226.5  579.93    4392  579.93
 4553.25   603.1 4798.47  612.55 4868.54  620.18 5113.76  629.64 5534.14  634.01
 5674.27  642.37 5954.52  652.19 6234.78  662.01 6374.91  666.22 6550.07  661.84
 6620.13  662.57 6795.29  667.84 6865.35  668.57 7075.54  667.31 7215.67  658.42
 7320.77  659.51  7355.8  668.16 7390.83  667.14 7636.05  669.69 7916.31  720.91
  8126.5   723.1

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4161     .15 4553.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4161 4553.25            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.55    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.54    Reach Len. (ft)             24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       559313.60   68215.70
372696.80
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            559313.60   68215.70
372696.80
  Q Total (cfs)           943723.70    Flow (cfs)              553282.90   79844.37
 310596.50
  Top Width (ft)           8126.50    Top Width (ft)           4161.00     392.25
3573.25
  Vel Total (ft/s)            0.94    Avg. Vel. (ft/s)            0.99       1.17
   0.83
  Max Chl Dpth (ft)         180.61    Hydr. Depth (ft)          134.42     173.91
 104.30
  Conv. Total (cfs)       246494800.0    Conv. (cfs)             144514100.0
20854850.0   81125870.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4198.84     397.88
3618.31
  Min Ch El (ft)            579.93    Shear (lb/sq ft)            0.12       0.16
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.18
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31527.45    7692.70
48845.09
  C & E Loss (ft)                     Cum SA (acres)            255.60      43.24
 378.44



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9652.2*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
```

```
       0   735.4  193.59  731.77  262.22  719.88  360.56  708.24  393.33  713.36
  524.44  697.85  721.11  641.58  903.44  618.81    1180  611.55 1573.33  603.79
 1613.28  603.18 1704.44   603.6 1835.56   603.9 1933.89     603 2000.47     603
 2581.25     610 2753.33     610 3048.33   611.5 3277.78   610.6    3540     610
 3613.75     610 3742.81     603    4130     603    4195   579.9    4360   579.9
  4522.5     603  4771.1  612.47 4842.13  620.18 5090.74  629.65 5516.91  633.88
 5658.97  642.29 5943.09  652.12 6227.21  661.94 6369.26  666.15 6546.84  661.62
 6617.87  662.32 6795.44  667.59 6866.47  668.29 7079.56  666.91 7221.62  657.82
 7328.16  658.88 7363.68  667.64 7399.19  666.59 7647.79  669.06 7931.91  720.88
    8145     723

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    4130     .15  4522.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          4130  4522.5             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.55    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.54    Reach Len. (ft)             24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       555269.30   68271.69
378555.80
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            555269.30   68271.69
378555.80
  Q Total (cfs)           943722.30    Flow (cfs)              548494.80   79800.75
 315426.80
  Top Width (ft)           8145.00    Top Width (ft)           4130.00     392.50
3622.50
  Vel Total (ft/s)            0.94    Avg. Vel. (ft/s)            0.99       1.17
   0.83
  Max Chl Dpth (ft)         180.64    Hydr. Depth (ft)          134.45     173.94
 104.50
  Conv. Total (cfs)       246870300.0    Conv. (cfs)             143481900.0
20875250.0   82513170.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4167.92     398.12
3667.72
  Min Ch El (ft)            579.90    Shear (lb/sq ft)            0.12       0.16
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.18
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    31209.65    7653.78
48630.89
  C & E Loss (ft)                     Cum SA (acres)            253.24      43.02
 376.38



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9627.36*
```

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	735.22	192.14	732.04	260.25	720.16	357.85	708.36	390.38	713.13
520.51	697.39	715.7	641.88	896.66	618.85	1171.14	611.57	1561.52	603.7
1601.17	603.08	1691.65	603.48	1821.78	603.77	1919.37	602.9	1985.45	602.9
2561.88	610	2732.67	610	3025.45	611.45	3253.18	610.58	3513.43	610
3586.63	610	3714.72	602.9	4099	602.9	4163.5	579.87	4328	579.87
4491.75	602.9	4743.73	612.39	4815.73	620.17	5067.71	629.66	5499.68	633.75
5643.67	642.22	5931.65	652.05	6219.63	661.88	6363.62	666.08	6543.61	661.4
6615.61	662.08	6795.59	667.34	6867.59	668.02	7083.57	666.51	7227.56	657.23
7335.56	658.25	7371.55	667.11	7407.55	666.04	7659.53	668.42	7947.51	720.85
8163.5	722.9								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	4099	.15	4491.75	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
4099	4491.75	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.53	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	551227.40	68327.67	384429.90
E.G. Slope (ft/ft)	0.000015	Area (sq ft)	551227.40	68327.67	384429.90
Q Total (cfs)	943720.80	Flow (cfs)	543709.80	79755.02	320256.00
Top Width (ft)	8163.50	Top Width (ft)	4099.00	392.75	3671.75
Vel Total (ft/s)	0.94	Avg. Vel. (ft/s)	0.99	1.17	0.83
Max Chl Dpth (ft)	180.66	Hydr. Depth (ft)	134.48	173.97	104.70
Conv. Total (cfs)	247252500.0	Conv. (cfs)	142450600.0	20895620.0	83906280.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	4137.01	398.35	3717.12
Min Ch El (ft)	579.87	Shear (lb/sq ft)	0.12	0.16	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.12	0.18	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	30894.16	7614.84	48413.35
C & E Loss (ft)		Cum SA (acres)	250.89	42.79	374.30

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 9602.52*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	735.04	190.69	732.32	258.29	720.45	355.14	708.48	387.43	712.89
516.57	696.93	710.29	642.19	889.88	618.89	1162.29	611.59	1549.71	603.61
1589.06	602.97	1678.86	603.36	1808	603.64	1904.86	602.8	1970.44	602.8
2542.5	610	2712	610	3002.57	611.4	3228.57	610.56	3486.86	610
3559.5	610	3686.63	602.8	4068	602.8	4132	579.84	4296	579.84
4461	602.8	4716.36	612.31	4789.32	620.16	5044.69	629.67	5482.45	633.62
5628.37	642.14	5920.22	651.98	6212.06	661.81	6357.98	666.01	6540.38	661.18
6613.34	661.84	6795.75	667.08	6868.71	667.74	7087.59	666.12	7233.51	656.64
7342.95	657.62	7379.43	666.59	7415.91	665.48	7671.27	667.79	7963.12	720.82
8182	722.8								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	4068	.15	4461	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
4068	4461	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.53	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	547181.90	68383.77	390327.90
E.G. Slope (ft/ft)	0.000015	Area (sq ft)	547181.90	68383.77	390327.90
Q Total (cfs)	943719.30	Flow (cfs)	538917.10	79707.20	325095.10
Top Width (ft)	8182.00	Top Width (ft)	4068.00	393.00	3721.00
Vel Total (ft/s)	0.94	Avg. Vel. (ft/s)	0.98	1.17	0.83
Max Chl Dpth (ft)	180.69	Hydr. Depth (ft)	134.51	174.00	104.90
Conv. Total (cfs)	247642200.0	Conv. (cfs)	141417700.0	20916030.0	85308460.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	4106.10	398.58	3766.53
Min Ch El (ft)	579.84	Shear (lb/sq ft)	0.12	0.16	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.12	0.18	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	30580.98	7575.86	48192.45
C & E Loss (ft)		Cum SA (acres)	248.56	42.57	372.20

Warning: The cross-section end points had to be extended vertically for the computed

water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 9577.68*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	734.86	189.23	732.59	256.32	720.73	352.44	708.6	384.48	712.65
512.64	696.47	704.87	642.5	883.09	618.93	1153.43	611.61	1537.91	603.52
1576.95	602.86	1666.06	603.24	1794.22	603.51	1890.34	602.7	1955.42	602.7
2523.13	610	2691.33	610	2979.69	611.35	3203.97	610.54	3460.29	610
3532.38	610	3658.53	602.7	4037	602.7	4100.5	579.81	4264	579.81
4430.25	602.7	4688.99	612.22	4762.92	620.16	5021.66	629.68	5465.22	633.49
5613.07	642.06	5908.78	651.91	6204.49	661.75	6352.34	665.94	6537.15	660.96
6611.08	661.59	6795.9	666.83	6869.82	667.46	7091.6	665.72	7239.46	656.04
7350.35	656.99	7387.31	666.07	7424.27	664.93	7683.01	667.15	7978.72	720.79
8200.5	722.7								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	4037	.15	4430.25	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
4037	4430.25	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.53	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	543137.50	68439.98	396248.00
E.G. Slope (ft/ft)	0.000014	Area (sq ft)	543137.50	68439.98	396248.00
Q Total (cfs)	943717.80	Flow (cfs)	534121.80	79656.89	329939.20
Top Width (ft)	8200.50	Top Width (ft)	4037.00	393.25	3770.25
Vel Total (ft/s)	0.94	Avg. Vel. (ft/s)	0.98	1.16	0.83
Max Chl Dpth (ft)	180.72	Hydr. Depth (ft)	134.54	174.04	105.10
Conv. Total (cfs)	248040500.0	Conv. (cfs)	140385000.0	20936490.0	86719020.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	4075.20	398.82	3815.94
Min Ch El (ft)	579.81	Shear (lb/sq ft)	0.12	0.16	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.12	0.18	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	30270.10	7536.85	47968.17
C & E Loss (ft)		Cum SA (acres)	246.25	42.35	370.06

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 9552.84*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	734.68	187.78	732.87	254.35	721.01	349.73	708.71	381.52	712.41
508.7	696.01	699.46	642.81	876.31	618.97	1144.57	611.63	1526.1	603.43
1564.84	602.76	1653.27	603.12	1780.44	603.38	1875.83	602.6	1940.41	602.6
2503.75	610	2670.67	610	2956.81	611.3	3179.37	610.52	3433.71	610
3505.25	610	3630.44	602.6	4006	602.6	4069	579.78	4232	579.78
4399.5	602.6	4661.62	612.14	4736.52	620.15	4998.64	629.69	5447.99	633.36
5597.77	641.99	5897.34	651.84	6196.91	661.68	6346.7	665.87	6533.93	660.74
6608.82	661.35	6796.05	666.58	6870.94	667.19	7095.62	665.32	7245.4	655.45
7357.74	656.36	7395.19	665.55	7432.63	664.38	7694.75	666.52	7994.32	720.76
8219	722.6								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	4006	.15	4399.5	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
4006	4399.5	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.53	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	539089.20	68496.21	402180.20
E.G. Slope (ft/ft)	0.000014	Area (sq ft)	539089.20	68496.21	402180.20
Q Total (cfs)	943716.30	Flow (cfs)	529328.30	79605.80	334782.30
Top Width (ft)	8219.00	Top Width (ft)	4006.00	393.50	3819.50
Vel Total (ft/s)	0.93	Avg. Vel. (ft/s)	0.98	1.16	0.83
Max Chl Dpth (ft)	180.75	Hydr. Depth (ft)	134.57	174.07	105.30
Conv. Total (cfs)	248441700.0	Conv. (cfs)	139350400.0	20956940.0	88134420.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	4044.32	399.05	3865.35
Min Ch El (ft)	579.78	Shear (lb/sq ft)	0.12	0.15	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.12	0.18	0.08

```
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    29961.53    7497.80
47740.52
  C & E Loss (ft)                      Cum SA (acres)            243.96      42.12
 367.90


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9528.00*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   734.5  186.33  733.14  252.38   721.3  347.02  708.83  378.57  712.18
  504.76  695.55  694.05  643.12  869.53  619.01 1135.71  611.66 1514.29  603.34
 1552.73  602.65 1640.48     603 1766.67  603.25 1861.31   602.5 1925.39   602.5
 2484.38     610    2650     610 2933.93  611.25 3154.76   610.5 3407.14     610
 3478.13     610 3602.34   602.5    3975   602.5  4037.5  579.75    4200  579.75
 4368.75   602.5 4634.25  612.06 4710.11  620.15 4975.61  629.71 5430.76  633.24
 5582.48  641.91 5885.91  651.76 6189.34  661.62 6341.05  665.79  6530.7  660.51
 6606.56   661.1  6796.2  666.32 6872.06  666.91 7099.63  664.93 7251.35  654.85
 7365.13  655.74 7403.06  665.03 7440.99  663.82 7706.49  665.88 8009.93  720.74
  8237.5   722.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3975     .15 4368.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3975 4368.75             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.55    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.53    Reach Len. (ft)            24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       535035.60   68552.53
408135.00
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            535035.60   68552.53
408135.00
  Q Total (cfs)           943714.80    Flow (cfs)              524528.00   79552.98
 339633.80
  Top Width (ft)           8237.50    Top Width (ft)           3975.00     393.75
3868.75
  Vel Total (ft/s)            0.93    Avg. Vel. (ft/s)            0.98       1.16
   0.83
  Max Chl Dpth (ft)         180.78    Hydr. Depth (ft)          134.60     174.10
 105.50
  Conv. Total (cfs)       248849200.0    Conv. (cfs)            138313400.0
20977410.0   89558430.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         4013.44     399.29
3914.77
```

Min Ch El (ft)	579.75	Shear (lb/sq ft)	0.12	0.15	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.12	0.18	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	29655.28	7458.73	47509.48
C & E Loss (ft)		Cum SA (acres)	241.68	41.90	365.70

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 9503.16*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	734.32	184.88	733.41	250.41	721.58	344.32	708.95	375.62	711.94
500.83	695.09	688.64	643.43	862.75	619.05	1126.86	611.68	1502.48	603.26
1540.63	602.55	1627.68	602.88	1752.89	603.12	1846.79	602.4	1910.38	602.4
2465	610	2629.33	610	2911.05	611.2	3130.16	610.48	3380.57	610
3451	610	3574.25	602.4	3944	602.4	4006	579.72	4168	579.72
4338	602.4	4606.88	611.98	4683.71	620.14	4952.59	629.72	5413.53	633.11
5567.18	641.84	5874.47	651.69	6181.77	661.55	6335.41	665.72	6527.47	660.29
6604.29	660.86	6796.35	666.07	6873.18	666.64	7103.65	664.53	7257.29	654.26
7372.53	655.11	7410.94	664.51	7449.35	663.27	7718.23	665.25	8025.53	720.71
8256	722.4								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3944	.15	4338	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3944	4338	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.53	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	530981.60	68608.90	414106.40
E.G. Slope (ft/ft)	0.000014	Area (sq ft)	530981.60	68608.90	414106.40
Q Total (cfs)	943713.30	Flow (cfs)	519729.30	79498.41	344485.60
Top Width (ft)	8256.00	Top Width (ft)	3944.00	394.00	3918.00
Vel Total (ft/s)	0.93	Avg. Vel. (ft/s)	0.98	1.16	0.83
Max Chl Dpth (ft)	180.81	Hydr. Depth (ft)	134.63	174.13	105.69

Conv. Total (cfs)	249262800.0	Conv. (cfs)	137276000.0	20997900.0	90988910.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	3982.56	399.52	3964.18
Min Ch El (ft)	579.72	Shear (lb/sq ft)	0.12	0.15	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.12	0.18	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	29351.33	7419.62	47275.04
C & E Loss (ft)		Cum SA (acres)	239.43	41.67	363.48

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 9478.32*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	734.14	183.42	733.69	248.44	721.87	341.61	709.07	372.67	711.7
496.89	694.63	683.22	643.73	855.97	619.09	1118	611.7	1490.67	603.17
1528.52	602.44	1614.89	602.76	1739.11	602.99	1832.28	602.3	1895.36	602.3
2445.63	610	2608.67	610	2888.17	611.15	3105.56	610.46	3354	610
3423.88	610	3546.16	602.3	3913	602.3	3974.5	579.69	4136	579.69
4307.25	602.3	4579.51	611.89	4657.3	620.14	4929.56	629.73	5396.3	632.98
5551.88	641.76	5863.03	651.62	6174.19	661.49	6329.77	665.65	6524.24	660.07
6602.03	660.61	6796.5	665.82	6874.29	666.36	7107.66	664.13	7263.24	653.66
7379.92	654.48	7418.82	663.99	7457.71	662.72	7729.98	664.61	8041.13	720.68
8274.5	722.3								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3913	.15	4307.25	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3913	4307.25	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.53	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	526929.50	68665.38	420105.10
E.G. Slope (ft/ft)	0.000014	Area (sq ft)	526929.50	68665.38	420105.10
Q Total (cfs)	943711.80	Flow (cfs)	514926.20	79440.68	349344.90
Top Width (ft)	8274.50	Top Width (ft)	3913.00	394.25	3967.25

```
  Vel Total (ft/s)            0.93    Avg. Vel. (ft/s)            0.98       1.16
   0.83
  Max Chl Dpth (ft)         180.84    Hydr. Depth (ft)          134.66     174.17
 105.89
  Conv. Total (cfs)       249687400.0    Conv. (cfs)             136239200.0
21018430.0   92429730.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3951.70     399.76
4013.59
  Min Ch El (ft)            579.69    Shear (lb/sq ft)            0.12       0.15
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.12       0.18
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    29049.69    7380.48
47037.18
  C & E Loss (ft)                     Cum SA (acres)            237.19      41.45
 361.24


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9453.48*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  733.96  181.97  733.96  246.48  722.15   338.9  709.18  369.71  711.46
  492.95  694.17  677.81  644.04  849.19  619.13 1109.14  611.72 1478.86  603.08
 1516.41  602.33  1602.1  602.64 1725.33  602.86 1817.76   602.2 1880.34   602.2
 2426.25     610    2588     610 2865.29   611.1 3080.95  610.44 3327.43     610
 3396.75     610 3518.06   602.2    3882   602.2    3943  579.66    4104  579.66
  4276.5   602.2 4552.14  611.81  4630.9  620.13 4906.54  629.74 5379.07  632.85
 5536.58  641.68  5851.6  651.55 6166.62  661.42 6324.13  665.58 6521.01  659.85
 6599.77  660.37 6796.66  665.56 6875.41  666.08 7111.68  663.74 7269.19  653.07
 7387.32  653.85  7426.7  663.47 7466.07  662.16 7741.72  663.98 8056.73  720.65
    8293   722.2

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3882     .15  4276.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3882  4276.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.54    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.53    Reach Len. (ft)            24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       522875.40   68721.88
426120.70
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            522875.40   68721.88
426120.70
```

Q Total (cfs)	943710.30	Flow (cfs)	510124.00	79381.38	354205.00
Top Width (ft)	8293.00	Top Width (ft)	3882.00	394.50	4016.50
Vel Total (ft/s)	0.93	Avg. Vel. (ft/s)	0.98	1.16	0.83
Max Chl Dpth (ft)	180.87	Hydr. Depth (ft)	134.69	174.20	106.09
Conv. Total (cfs)	250117600.0	Conv. (cfs)	135201400.0	21038950.0	93877200.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	3920.84	400.00	4063.00
Min Ch El (ft)	579.66	Shear (lb/sq ft)	0.12	0.15	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.12	0.18	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	28750.37	7341.31	46795.91
C & E Loss (ft)		Cum SA (acres)	234.96	41.22	358.96

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 9428.64*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	733.78	180.52	734.24	244.51	722.43	336.2	709.3	366.76	711.22
489.02	693.71	672.4	644.35	842.41	619.17	1100.29	611.74	1467.05	602.99
1504.3	602.23	1589.3	602.52	1711.56	602.73	1803.25	602.1	1865.33	602.1
2406.88	610	2567.33	610	2842.41	611.05	3056.35	610.42	3300.86	610
3369.63	610	3489.97	602.1	3851	602.1	3911.5	579.63	4072	579.63
4245.75	602.1	4524.77	611.73	4604.49	620.12	4883.52	629.75	5361.84	632.72
5521.28	641.61	5840.16	651.48	6159.04	661.36	6318.49	665.51	6517.79	659.63
6597.51	660.13	6796.81	665.31	6876.53	665.81	7115.69	663.34	7275.13	652.48
7394.71	653.22	7434.57	662.94	7474.43	661.61	7753.46	663.34	8072.34	720.62
8311.5	722.1								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3851	.15	4245.75	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3851	4245.75	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.53	Reach Len. (ft)	24.84	24.84	24.84

Crit W.S. (ft)		Flow Area (sq ft)	518816.60	68778.44	432151.90
E.G. Slope (ft/ft)	0.000014	Area (sq ft)	518816.60	68778.44	432151.90
Q Total (cfs)	943708.80	Flow (cfs)	505321.90	79321.05	359065.80
Top Width (ft)	8311.50	Top Width (ft)	3851.00	394.75	4065.75
Vel Total (ft/s)	0.93	Avg. Vel. (ft/s)	0.97	1.15	0.83
Max Chl Dpth (ft)	180.90	Hydr. Depth (ft)	134.72	174.23	106.29
Conv. Total (cfs)	250551700.0	Conv. (cfs)	134161400.0	21059490.0	95330830.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	3890.00	400.23	4112.41
Min Ch El (ft)	579.63	Shear (lb/sq ft)	0.12	0.15	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.12	0.18	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	28453.36	7302.10	46551.19
C & E Loss (ft)		Cum SA (acres)	232.76	41.00	356.66

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 9403.80*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	733.6	179.06	734.51	242.54	722.72	333.49	709.42	363.81	710.99
485.08	693.26	666.98	644.66	835.63	619.21	1091.43	611.77	1455.24	602.9
1492.19	602.12	1576.51	602.4	1697.78	602.6	1788.73	602	1850.31	602
2387.5	610	2546.67	610	2819.52	611	3031.75	610.4	3274.29	610
3342.5	610	3461.88	602	3820	602	3880	579.6	4040	579.6
4215	602	4497.4	611.65	4578.09	620.12	4860.49	629.76	5344.61	632.59
5505.98	641.53	5828.73	651.41	6151.47	661.29	6312.84	665.44	6514.56	659.41
6595.25	659.88	6796.96	665.06	6877.65	665.53	7119.71	662.94	7281.08	651.88
7402.11	652.59	7442.45	662.42	7482.79	661.06	7765.2	662.71	8087.94	720.59
8330	722								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3820	.15	4215	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3820	4215	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.54	Element	Left OB	Channel	Right OB

Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.53	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	514752.40	68835.08	438206.60
E.G. Slope (ft/ft)	0.000014	Area (sq ft)	514752.40	68835.08	438206.60
Q Total (cfs)	943707.20	Flow (cfs)	500513.90	79259.00	363934.30
Top Width (ft)	8330.00	Top Width (ft)	3820.00	395.00	4115.00
Vel Total (ft/s)	0.92	Avg. Vel. (ft/s)	0.97	1.15	0.83
Max Chl Dpth (ft)	180.93	Hydr. Depth (ft)	134.75	174.27	106.49
Conv. Total (cfs)	250992200.0	Conv. (cfs)	133118700.0	21080050.0	96793440.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	3859.16	400.47	4161.83
Min Ch El (ft)	579.60	Shear (lb/sq ft)	0.12	0.15	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.11	0.17	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	28158.66	7262.86	46303.03
C & E Loss (ft)		Cum SA (acres)	230.57	40.77	354.32

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 9378.96*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	733.42	177.61	734.79	240.57	723	330.79	709.54	360.86	710.75
481.14	692.8	661.57	644.97	828.84	619.25	1082.57	611.79	1443.43	602.81
1480.08	602.02	1563.71	602.28	1684	602.47	1774.21	601.9	1835.3	601.9
2368.13	610	2526	610	2796.64	610.95	3007.14	610.38	3247.72	610
3315.38	610	3433.78	601.9	3789	601.9	3848.5	579.57	4008	579.57
4184.25	601.9	4470.03	611.56	4551.68	620.11	4837.47	629.78	5327.38	632.46
5490.68	641.45	5817.29	651.34	6143.9	661.23	6307.2	665.36	6511.33	659.19
6592.98	659.64	6797.11	664.81	6878.76	665.25	7123.72	662.54	7287.02	651.29
7409.5	651.96	7450.33	661.9	7491.15	660.51	7776.94	662.07	8103.54	720.56
8348.5	721.9								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3789	.15	4184.25	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3789	4184.25	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.54    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.53    Reach Len. (ft)             24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       510690.30   68891.77
444280.20
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            510690.30   68891.77
444280.20
  Q Total (cfs)           943705.60    Flow (cfs)              495709.60   79194.65
 368801.40
  Top Width (ft)           8348.50    Top Width (ft)           3789.00     395.25
4164.25
  Vel Total (ft/s)            0.92    Avg. Vel. (ft/s)            0.97       1.15
   0.83
  Max Chl Dpth (ft)         180.96    Hydr. Depth (ft)          134.78     174.30
 106.69
  Conv. Total (cfs)       251440900.0    Conv. (cfs)             132076800.0
21100620.0   98263430.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3828.33     400.71
4211.24
  Min Ch El (ft)            579.57    Shear (lb/sq ft)            0.12       0.15
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.11       0.17
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27866.28    7223.60
46051.41
  C & E Loss (ft)                     Cum SA (acres)            228.40      40.55
 351.96


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9354.12*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  733.24  176.16  735.06   238.6  723.29  328.08  709.66   357.9  710.51
  477.21  692.34  656.16  645.27  822.06  619.28 1073.71  611.81 1431.62  602.72
 1467.97  601.91 1550.92  602.16 1670.22  602.34  1759.7   601.8 1820.28   601.8
 2348.75     610 2505.33     610 2773.76   610.9 2982.54  610.36 3221.14     610
 3288.25     610 3405.69   601.8    3758   601.8    3817  579.54    3976  579.54
  4153.5   601.8 4442.66  611.48 4525.28  620.11 4814.44  629.79 5310.15  632.33
 5475.38  641.38 5805.85  651.27 6136.32  661.16 6301.56  665.29  6508.1  658.97
 6590.72  659.39 6797.26  664.55 6879.88  664.98 7127.74  662.15 7292.97  650.69
  7416.9  651.33 7458.21  661.38 7499.51  659.95 7788.68  661.44 8119.15  720.53
    8367   721.8

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3758     .15  4153.5     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3758  4153.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.54    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.53    Reach Len. (ft)            24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       506631.30   68948.59
450371.70
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            506631.30   68948.59
450371.70
  Q Total (cfs)           943704.10    Flow (cfs)              490910.60   79128.16
 373665.30
  Top Width (ft)           8367.00    Top Width (ft)           3758.00     395.50
4213.50
  Vel Total (ft/s)            0.92    Avg. Vel. (ft/s)            0.97       1.15
   0.83
  Max Chl Dpth (ft)         180.99    Hydr. Depth (ft)          134.81     174.33
 106.89
  Conv. Total (cfs)       251897700.0    Conv. (cfs)             131036100.0
21121240.0   99740420.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3797.52     400.95
4260.66
  Min Ch El (ft)            579.54    Shear (lb/sq ft)            0.12       0.15
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.11       0.17
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27576.22    7184.29
45796.33
  C & E Loss (ft)                     Cum SA (acres)            226.25      40.32
 349.57


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9329.28*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  733.06   174.7  735.34  236.63  723.57  325.37  709.77  354.95  710.27
  473.27  691.88  650.75  645.58  815.28  619.32 1064.86  611.83 1419.81  602.63
 1455.86   601.8 1538.13  602.04 1656.44  602.21 1745.18   601.7 1805.27   601.7
 2329.38     610 2484.67     610 2750.88  610.85 2957.94  610.34 3194.57     610
 3261.13     610 3377.59   601.7    3727   601.7  3785.5  579.51    3944  579.51
 4122.75   601.7 4415.29   611.4 4498.88   620.1 4791.42   629.8 5292.92   632.2
 5460.08   641.3 5794.42   651.2 6128.75   661.1 6295.92  665.22 6504.88  658.75
 6588.46  659.15 6797.42   664.3    6881   664.7 7131.75  661.75 7298.92   650.1
 7424.29   650.7 7466.08  660.86 7507.88   659.4 7800.42   660.8 8134.75   720.5
  8385.5   721.7
```

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3727	.15	4122.75	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3727	4122.75	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.53	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	502566.60	69005.42	456484.80
E.G. Slope (ft/ft)	0.000014	Area (sq ft)	502566.60	69005.42	456484.80
Q Total (cfs)	943702.60	Flow (cfs)	486107.90	79060.11	378534.70
Top Width (ft)	8385.50	Top Width (ft)	3727.00	395.75	4262.75
Vel Total (ft/s)	0.92	Avg. Vel. (ft/s)	0.97	1.15	0.83
Max Chl Dpth (ft)	181.02	Hydr. Depth (ft)	134.84	174.37	107.09
Conv. Total (cfs)	252360200.0	Conv. (cfs)	129992500.0	21141860.0	101225800.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	3766.71	401.19	4310.08
Min Ch El (ft)	579.51	Shear (lb/sq ft)	0.12	0.15	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.11	0.17	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	27288.47	7144.96	45537.76
C & E Loss (ft)		Cum SA (acres)	224.12	40.10	347.16

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 9304.44*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	732.88	173.25	735.61	234.67	723.85	322.67	709.89	352	710.04
469.33	691.42	645.33	645.89	808.5	619.36	1056	611.85	1408	602.55
1443.75	601.7	1525.33	601.92	1642.67	602.08	1730.67	601.6	1790.25	601.6
2310	610	2464	610	2728	610.8	2933.33	610.32	3168	610
3234	610	3349.5	601.6	3696	601.6	3754	579.48	3912	579.48
4092	601.6	4387.92	611.32	4472.47	620.09	4768.39	629.81	5275.69	632.07
5444.78	641.22	5782.98	651.13	6121.18	661.04	6290.27	665.15	6501.65	658.53

```
  6586.2  658.91 6797.57  664.05 6882.12  664.42 7135.76  661.35 7304.86  649.51
 7431.69  650.07 7473.96  660.34 7516.23  658.85 7812.16  660.16 8150.35  720.47
    8404   721.6

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3696     .15    4092     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3696    4092            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.54    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.53    Reach Len. (ft)            24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       498497.40   69062.33
462617.60
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            498497.40   69062.33
462617.60
  Q Total (cfs)           943701.00    Flow (cfs)              481304.20   78990.63
 383406.10
  Top Width (ft)           8404.00    Top Width (ft)           3696.00     396.00
4312.00
  Vel Total (ft/s)            0.92    Avg. Vel. (ft/s)            0.97       1.14
   0.83
  Max Chl Dpth (ft)         181.05    Hydr. Depth (ft)          134.87     174.40
 107.29
  Conv. Total (cfs)       252828300.0    Conv. (cfs)             128946900.0
21162490.0   102718900.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3735.91     401.43
4359.49
  Min Ch El (ft)            579.48    Shear (lb/sq ft)            0.12       0.15
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.11       0.17
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27003.04    7105.59
45275.70
  C & E Loss (ft)                     Cum SA (acres)            222.00      39.87
 344.71


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9279.60*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   732.7   171.8  735.88   232.7  724.14  319.96  710.01  349.05   709.8
   465.4  690.96  639.92   646.2  801.72   619.4 1047.14  611.88 1396.19  602.46
 1431.64  601.59 1512.54   601.8 1628.89  601.95 1716.15   601.5 1775.23   601.5
```

```
 2290.63     610 2443.33     610 2705.12  610.75 2908.73   610.3 3141.43     610
 3206.88     610 3321.41   601.5    3665   601.5  3722.5  579.45    3880  579.45
 4061.25   601.5 4360.55  611.24 4446.07  620.09 4745.37  629.82 5258.46  631.94
 5429.49  641.15 5771.54  651.06  6113.6  660.97 6284.63  665.08 6498.42  658.31
 6583.93  658.66 6797.72  663.79 6883.24  664.15 7139.78  660.96 7310.81  648.91
 7439.08  649.44 7481.84  659.82  7524.6  658.29  7823.9  659.53 8165.96  720.44
  8422.5   721.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3665     .15 4061.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3665 4061.25            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.54    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.53    Reach Len. (ft)             24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       494425.80   69119.34
468767.70
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            494425.80   69119.34
468767.70
  Q Total (cfs)           943699.40    Flow (cfs)              476503.00   78919.78
 388276.60
  Top Width (ft)           8422.50    Top Width (ft)           3665.00     396.25
4361.25
  Vel Total (ft/s)            0.91    Avg. Vel. (ft/s)            0.96       1.14
   0.83
  Max Chl Dpth (ft)         181.08    Hydr. Depth (ft)          134.90     174.43
 107.48
  Conv. Total (cfs)       253302000.0    Conv. (cfs)             127900000.0
21183160.0   104218800.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3705.12     401.67
4408.91
  Min Ch El (ft)            579.45    Shear (lb/sq ft)            0.12       0.15
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.11       0.17
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26719.94    7066.19
45010.14
  C & E Loss (ft)                     Cum SA (acres)            219.90      39.64
 342.24


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9254.76*

INPUT
Description:
Station Elevation Data    num=      46
```

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	732.52	170.34	736.16	230.73	724.42	317.25	710.13	346.1	709.56
461.46	690.5	634.51	646.51	794.94	619.44	1038.29	611.9	1384.38	602.37
1419.53	601.49	1499.75	601.68	1615.11	601.82	1701.64	601.4	1760.22	601.4
2271.25	610	2422.67	610	2682.24	610.7	2884.13	610.28	3114.86	610
3179.75	610	3293.31	601.4	3634	601.4	3691	579.42	3848	579.42
4030.5	601.4	4333.18	611.15	4419.66	620.08	4722.34	629.84	5241.23	631.81
5414.19	641.07	5760.11	650.99	6106.03	660.91	6278.99	665	6495.19	658.09
6581.67	658.42	6797.87	663.54	6884.35	663.87	7143.79	660.56	7316.75	648.32
7446.48	648.81	7489.72	659.3	7532.96	657.74	7835.64	658.89	8181.56	720.41
8441	721.4								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3634	.15	4030.5	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3634	4030.5	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.53	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	490354.20	69176.38	474939.50
E.G. Slope (ft/ft)	0.000014	Area (sq ft)	490354.20	69176.38	474939.50
Q Total (cfs)	943697.80	Flow (cfs)	471703.60	78846.68	393147.60
Top Width (ft)	8441.00	Top Width (ft)	3634.00	396.50	4410.50
Vel Total (ft/s)	0.91	Avg. Vel. (ft/s)	0.96	1.14	0.83
Max Chl Dpth (ft)	181.11	Hydr. Depth (ft)	134.94	174.47	107.68
Conv. Total (cfs)	253783800.0	Conv. (cfs)	126852800.0	21203830.0	105727200.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	3674.35	401.91	4458.33
Min Ch El (ft)	579.42	Shear (lb/sq ft)	0.12	0.15	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.11	0.17	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	26439.15	7026.76	44741.07
C & E Loss (ft)		Cum SA (acres)	217.82	39.42	339.74

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 9229.92*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	732.34	168.89	736.43	228.76	724.71	314.55	710.24	343.14	709.32
457.52	690.04	629.1	646.82	788.16	619.48	1029.43	611.92	1372.57	602.28
1407.42	601.38	1486.95	601.56	1601.33	601.69	1687.12	601.3	1745.2	601.3
2251.88	610	2402	610	2659.36	610.65	2859.52	610.26	3088.29	610
3152.63	610	3265.22	601.3	3603	601.3	3659.5	579.39	3816	579.39
3999.75	601.3	4305.81	611.07	4393.26	620.08	4699.32	629.85	5224	631.68
5398.89	640.99	5748.67	650.92	6098.46	660.84	6273.35	664.93	6491.96	657.87
6579.41	658.17	6798.02	663.29	6885.47	663.59	7147.81	660.16	7322.7	647.72
7453.87	648.18	7497.59	658.78	7541.32	657.19	7847.38	658.26	8197.16	720.38
8459.5	721.3								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3603	.15	3999.75	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3603	3999.75	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.53	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	486282.50	69233.50	481131.70
E.G. Slope (ft/ft)	0.000014	Area (sq ft)	486282.50	69233.50	481131.70
Q Total (cfs)	943696.30	Flow (cfs)	466907.10	78771.55	398017.70
Top Width (ft)	8459.50	Top Width (ft)	3603.00	396.75	4459.75
Vel Total (ft/s)	0.91	Avg. Vel. (ft/s)	0.96	1.14	0.83
Max Chl Dpth (ft)	181.14	Hydr. Depth (ft)	134.97	174.50	107.88
Conv. Total (cfs)	254273500.0	Conv. (cfs)	125805400.0	21224540.0	107243500.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	3643.58	402.15	4507.74
Min Ch El (ft)	579.39	Shear (lb/sq ft)	0.11	0.15	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.11	0.17	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	26160.69	6987.30	44468.47
C & E Loss (ft)		Cum SA (acres)	215.76	39.19	337.21

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 9205.08*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	732.16	167.44	736.71	226.79	724.99	311.84	710.36	340.19	709.09
453.59	689.58	623.68	647.12	781.38	619.52	1020.57	611.94	1360.76	602.19
1395.31	601.27	1474.16	601.44	1587.56	601.56	1672.6	601.2	1730.19	601.2
2232.5	610	2381.33	610	2636.48	610.6	2834.92	610.24	3061.71	610
3125.5	610	3237.13	601.2	3572	601.2	3628	579.36	3784	579.36
3969	601.2	4278.44	610.99	4366.85	620.07	4676.29	629.86	5206.77	631.55
5383.59	640.92	5737.24	650.85	6090.88	660.78	6267.71	664.86	6488.74	657.65
6577.15	657.93	6798.18	663.04	6886.59	663.32	7151.82	659.76	7328.65	647.13
7461.26	647.55	7505.47	658.25	7549.68	656.64	7859.12	657.62	8212.76	720.35
8478	721.2								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3572	.15	3969	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3572	3969	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.52	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	482208.90	69290.70	487338.90
E.G. Slope (ft/ft)	0.000014	Area (sq ft)	482208.90	69290.70	487338.90
Q Total (cfs)	943694.60	Flow (cfs)	462115.80	78695.26	402883.60
Top Width (ft)	8478.00	Top Width (ft)	3572.00	397.00	4509.00
Vel Total (ft/s)	0.91	Avg. Vel. (ft/s)	0.96	1.14	0.83
Max Chl Dpth (ft)	181.16	Hydr. Depth (ft)	135.00	174.54	108.08
Conv. Total (cfs)	254768000.0	Conv. (cfs)	124756800.0	21245260.0	108766000.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	3612.83	402.39	4557.16
Min Ch El (ft)	579.36	Shear (lb/sq ft)	0.11	0.15	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.11	0.17	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	25884.55	6947.80	44192.34
C & E Loss (ft)		Cum SA (acres)	213.71	38.97	334.65

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 9180.24*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	731.98	165.98	736.98	224.83	725.27	309.13	710.48	337.24	708.85
449.65	689.12	618.27	647.43	774.59	619.56	1011.71	611.96	1348.95	602.1
1383.2	601.17	1461.37	601.32	1573.78	601.43	1658.09	601.1	1715.17	601.1
2213.13	610	2360.67	610	2613.6	610.55	2810.32	610.22	3035.14	610
3098.38	610	3209.03	601.1	3541	601.1	3596.5	579.33	3752	579.33
3938.25	601.1	4251.07	610.91	4340.45	620.06	4653.27	629.87	5189.53	631.42
5368.29	640.84	5725.8	650.78	6083.31	660.71	6262.06	664.79	6485.51	657.43
6574.88	657.69	6798.33	662.78	6887.71	663.04	7155.84	659.37	7334.59	646.54
7468.66	646.92	7513.35	657.73	7558.04	656.08	7870.86	656.99	8228.37	720.32
8496.5	721.1								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3541	.15	3938.25	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3541	3938.25	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.52	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	478132.90	69347.94	493570.40
E.G. Slope (ft/ft)	0.000014	Area (sq ft)	478132.90	69347.94	493570.40
Q Total (cfs)	943693.10	Flow (cfs)	457323.90	78616.75	407752.40
Top Width (ft)	8496.50	Top Width (ft)	3541.00	397.25	4558.25
Vel Total (ft/s)	0.91	Avg. Vel. (ft/s)	0.96	1.13	0.83
Max Chl Dpth (ft)	181.19	Hydr. Depth (ft)	135.03	174.57	108.28
Conv. Total (cfs)	255270800.0	Conv. (cfs)	123707000.0	21265990.0	110297800.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	3582.09	402.63	4606.58
Min Ch El (ft)	579.33	Shear (lb/sq ft)	0.11	0.15	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.11	0.17	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	25610.73	6908.27	43912.66
C & E Loss (ft)		Cum SA (acres)	211.68	38.74	

332.07

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 9155.4*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	731.8	164.53	737.26	222.86	725.56	306.43	710.6	334.29	708.61
445.71	688.66	612.86	647.74	767.81	619.6	1002.86	611.99	1337.14	602.01
1371.09	601.06	1448.57	601.2	1560	601.3	1643.57	601	1700.16	601
2193.75	610	2340	610	2590.71	610.5	2785.71	610.2	3008.57	610
3071.25	610	3180.94	601	3510	601	3565	579.3	3720	579.3
3907.5	601	4223.7	610.82	4314.04	620.06	4630.25	629.88	5172.3	631.29
5352.99	640.76	5714.36	650.71	6075.74	660.65	6256.42	664.72	6482.28	657.21
6572.62	657.44	6798.48	662.53	6888.82	662.76	7159.85	658.97	7340.54	645.94
7476.05	646.29	7521.23	657.21	7566.4	655.53	7882.6	656.35	8243.97	720.29
8515	721								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3510	.15	3907.5	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3510	3907.5	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.52	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	474051.00	69405.30	499824.40
E.G. Slope (ft/ft)	0.000014	Area (sq ft)	474051.00	69405.30	499824.40
Q Total (cfs)	943691.40	Flow (cfs)	452529.60	78536.88	412624.90
Top Width (ft)	8515.00	Top Width (ft)	3510.00	397.50	4607.50
Vel Total (ft/s)	0.90	Avg. Vel. (ft/s)	0.95	1.13	0.83
Max Chl Dpth (ft)	181.22	Hydr. Depth (ft)	135.06	174.60	108.48
Conv. Total (cfs)	255779600.0	Conv. (cfs)	122654300.0	21286760.0	111838500.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	3551.36	402.88	4656.00
Min Ch El (ft)	579.30	Shear (lb/sq ft)	0.11	0.15	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.11	0.17	

```
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25339.24    6868.71
43629.42
  C & E Loss (ft)                     Cum SA (acres)            209.67      38.51
 329.45


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9130.56*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  731.62  163.08  737.53  220.89  725.84  303.72  710.72  331.33  708.37
  441.78   688.2  607.44  648.05  761.03  619.64     994  612.01 1325.33  601.92
 1358.98  600.95 1435.78  601.08 1546.22  601.17 1629.06   600.9 1685.14   600.9
 2174.38     610 2319.33     610 2567.83  610.45 2761.11  610.18    2982     610
 3044.12     610 3152.84   600.9    3479   600.9  3533.5  579.27    3688  579.27
 3876.75   600.9 4196.33  610.74 4287.64  620.05 4607.22  629.89 5155.07  631.16
 5337.69  640.69 5702.93  650.64 6068.16  660.58 6250.78  664.65 6479.05  656.99
 6570.36   657.2 6798.63  662.28 6889.94  662.49 7163.87  658.57 7346.49  645.35
 7483.45  645.66  7529.1  656.69 7574.76  654.98 7894.34  655.72 8259.57  720.26
  8533.5   720.9

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3479     .15 3876.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3479 3876.75             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.54    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.52    Reach Len. (ft)            24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       469971.70   69462.65
506089.00
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            469971.70   69462.65
506089.00
  Q Total (cfs)           943689.80    Flow (cfs)              447748.50   78455.63
 417485.70
  Top Width (ft)           8533.50    Top Width (ft)           3479.00     397.75
4656.75
  Vel Total (ft/s)            0.90    Avg. Vel. (ft/s)            0.95       1.13
   0.82
  Max Chl Dpth (ft)         181.25    Hydr. Depth (ft)          135.09     174.64
 108.68
  Conv. Total (cfs)       256293700.0    Conv. (cfs)             121602600.0
21307510.0   113383600.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3520.64     403.12
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4705.41						
Min Ch El (ft)	579.27	Shear (lb/sq ft)	0.11	0.15	0.09	
Alpha	1.03	Stream Power (lb/ft s)	0.11	0.16	0.08	
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	25070.08	6829.12	43342.61	
C & E Loss (ft)		Cum SA (acres)	207.68	38.29	326.81	

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 9105.72*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	731.44	161.62	737.8	218.92	726.13	301.02	710.83	328.38	708.14
437.84	687.74	602.03	648.36	754.25	619.68	985.14	612.03	1313.52	601.84
1346.88	600.85	1422.98	600.96	1532.44	601.04	1614.54	600.8	1670.12	600.8
2155	610	2298.67	610	2544.95	610.4	2736.51	610.16	2955.43	610
3017	610	3124.75	600.8	3448	600.8	3502	579.24	3656	579.24
3846	600.8	4168.96	610.66	4261.24	620.05	4584.2	629.91	5137.84	631.04
5322.39	640.61	5691.49	650.56	6060.59	660.52	6245.14	664.57	6475.82	656.76
6568.1	656.95	6798.78	662.02	6891.06	662.21	7167.88	658.18	7352.43	644.75
7490.84	645.04	7536.98	656.17	7583.12	654.42	7906.08	655.08	8275.18	720.24
8552	720.8								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3448	.15	3846	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3448	3846	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.54	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150	
W.S. Elev (ft)	760.52	Reach Len. (ft)	24.84	24.84	24.84	
Crit W.S. (ft)		Flow Area (sq ft)	465887.40	69520.13	512376.70	
E.G. Slope (ft/ft)	0.000014	Area (sq ft)	465887.40	69520.13	512376.70	
Q Total (cfs)	943688.20	Flow (cfs)	442965.90	78372.88	422349.40	
Top Width (ft)	8552.00	Top Width (ft)	3448.00	398.00	4706.00	
Vel Total (ft/s)	0.90	Avg. Vel. (ft/s)	0.95	1.13	0.82	
Max Chl Dpth (ft)	181.28	Hydr. Depth (ft)	135.12	174.67		

```
 108.88
  Conv. Total (cfs)       256814400.0    Conv. (cfs)             120548300.0
21328320.0   114937800.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3489.93     403.36
4754.83
  Min Ch El (ft)            579.24    Shear (lb/sq ft)            0.11       0.15
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.11       0.16
   0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24803.24    6789.49
43052.22
  C & E Loss (ft)                     Cum SA (acres)            205.70      38.06
 324.14
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 9080.88*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	731.26	160.17	738.08	216.95	726.41	298.31	710.95	325.43	707.9
433.9	687.28	596.62	648.66	747.47	619.72	976.29	612.05	1301.71	601.75
1334.77	600.74	1410.19	600.84	1518.67	600.91	1600.02	600.7	1655.11	600.7
2135.62	610	2278	610	2522.07	610.35	2711.9	610.14	2928.86	610
2989.87	610	3096.66	600.7	3417	600.7	3470.5	579.21	3624	579.21
3815.25	600.7	4141.59	610.58	4234.83	620.04	4561.17	629.92	5120.61	630.91
5307.09	640.54	5680.05	650.49	6053.01	660.45	6239.5	664.5	6472.6	656.54
6565.84	656.71	6798.94	661.77	6892.18	661.94	7171.9	657.78	7358.38	644.16
7498.24	644.41	7544.86	655.65	7591.48	653.87	7917.82	654.45	8290.78	720.21
8570.5	720.7								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3417	.15	3815.25	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3417	3815.25	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.53    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.52    Reach Len. (ft)             24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       461804.80   69577.65
518680.50
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            461804.80   69577.65
518680.50
  Q Total (cfs)           943686.60    Flow (cfs)              438192.60   78288.37
 427205.70
  Top Width (ft)           8570.50    Top Width (ft)           3417.00     398.25
```

```
4755.25
  Vel Total (ft/s)            0.90    Avg. Vel. (ft/s)            0.95       1.13
   0.82
  Max Chl Dpth (ft)         181.31    Hydr. Depth (ft)          135.15     174.71
 109.08
  Conv. Total (cfs)       257342000.0    Conv. (cfs)             119494500.0
21349120.0   116498400.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3459.24     403.61
4804.25
  Min Ch El (ft)            579.21    Shear (lb/sq ft)            0.11       0.14
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.11       0.16
   0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24538.74    6749.83
42758.24
  C & E Loss (ft)                     Cum SA (acres)            203.75      37.83
 321.44
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 9056.04*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	731.08	158.72	738.35	214.98	726.69	295.6	711.07	322.48	707.66
429.97	686.83	591.21	648.97	740.69	619.76	967.43	612.08	1289.9	601.66
1322.66	600.64	1397.4	600.72	1504.89	600.78	1585.51	600.6	1640.09	600.6
2116.25	610	2257.33	610	2499.19	610.3	2687.3	610.12	2902.29	610
2962.75	610	3068.56	600.6	3386	600.6	3439	579.18	3592	579.18
3784.5	600.6	4114.22	610.49	4208.43	620.04	4538.15	629.93	5103.38	630.78
5291.79	640.46	5668.62	650.42	6045.44	660.39	6233.85	664.43	6469.37	656.32
6563.57	656.46	6799.09	661.52	6893.29	661.66	7175.91	657.38	7364.32	643.56
7505.63	643.78	7552.74	655.13	7599.84	653.32	7929.56	653.81	8306.38	720.18
8589	720.6								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3386	.15	3784.5	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3386	3784.5	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.53    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.52    Reach Len. (ft)            24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       457715.10   69635.26
525012.90
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            457715.10   69635.26
```

```
525012.90
  Q Total (cfs)           943684.90    Flow (cfs)              433413.30   78201.91
 432069.70
  Top Width (ft)           8589.00    Top Width (ft)           3386.00     398.50
4804.50
  Vel Total (ft/s)            0.90    Avg. Vel. (ft/s)            0.95       1.12
   0.82
  Max Chl Dpth (ft)         181.34    Hydr. Depth (ft)          135.18     174.74
 109.28
  Conv. Total (cfs)       257877500.0    Conv. (cfs)             118437300.0
21369960.0   118070200.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3428.55     403.85
4853.67
  Min Ch El (ft)            579.18    Shear (lb/sq ft)            0.11       0.14
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.11       0.16
   0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24276.56    6710.14
42460.66
  C & E Loss (ft)                     Cum SA (acres)            201.81      37.61
 318.72


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9031.2*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   730.9  157.27  738.63  213.02  726.98   292.9  711.19  319.52  707.42
  426.03  686.37  585.79  649.28  733.91   619.8  958.57   612.1  1278.1  601.57
 1310.55  600.53  1384.6   600.6 1491.11  600.65 1570.99   600.5 1625.08   600.5
 2096.87     610 2236.67     610 2476.31  610.25  2662.7   610.1 2875.71     610
 2935.62     610 3040.47   600.5    3355   600.5  3407.5  579.15    3560  579.15
 3753.75   600.5 4086.85  610.41 4182.02  620.03 4515.12  629.94 5086.15  630.65
  5276.5  640.38 5657.18  650.35 6037.87  660.32 6228.21  664.36 6466.14   656.1
 6561.31  656.22 6799.24  661.26 6894.41  661.38 7179.93  656.99 7370.27  642.97
 7513.03  643.15 7560.61  654.61  7608.2  652.76  7941.3  653.18 8321.99  720.15
  8607.5   720.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3355     .15 3753.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3355 3753.75             24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.53    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.52    Reach Len. (ft)             24.84      24.84
```

```
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       453626.80   69692.91
531362.30
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            453626.80   69692.91
531362.30
  Q Total (cfs)           943683.30    Flow (cfs)              428643.00   78113.70
 436926.60
  Top Width (ft)           8607.50    Top Width (ft)           3355.00     398.75
4853.75
  Vel Total (ft/s)            0.89    Avg. Vel. (ft/s)            0.94       1.12
   0.82
  Max Chl Dpth (ft)         181.37    Hydr. Depth (ft)          135.21     174.78
 109.47
  Conv. Total (cfs)       258420000.0    Conv. (cfs)             117380400.0
21390810.0   119648800.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3397.89     404.10
4903.09
  Min Ch El (ft)            579.15    Shear (lb/sq ft)            0.11       0.14
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.11       0.16
   0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24016.71    6670.41
42159.46
  C & E Loss (ft)                     Cum SA (acres)            199.89      37.38
 315.96


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 9006.35*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  730.72  155.81   738.9  211.05  727.26  290.19   711.3  316.57  707.18
   422.1  685.91  580.38  649.59  727.12  619.84  949.71  612.12 1266.29  601.48
 1298.44  600.42 1371.81  600.48 1477.33  600.52 1556.48   600.4 1610.06   600.4
  2077.5     610    2216     610 2453.43   610.2 2638.09  610.08 2849.14     610
  2908.5     610 3012.37   600.4    3324   600.4    3376  579.12    3528  579.12
    3723   600.4 4059.48  610.33 4155.62  620.02  4492.1  629.95 5068.92  630.52
  5261.2  640.31 5645.75  650.28 6030.29  660.26 6222.57  664.29 6462.91  655.88
 6559.05  655.98 6799.39  661.01 6895.53  661.11 7183.94  656.59 7376.22  642.38
 7520.42  642.52 7568.49  654.08 7616.56  652.21 7953.04  652.54 8337.59  720.12
    8626   720.4

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3324     .15    3723     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3324    3723            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.53    Element                    Left OB    Channel
```

Right OB					
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.52	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	449538.60	69750.65	537726.30
E.G. Slope (ft/ft)	0.000013	Area (sq ft)	449538.60	69750.65	537726.30
Q Total (cfs)	943681.60	Flow (cfs)	423882.40	78024.22	441775.10
Top Width (ft)	8626.00	Top Width (ft)	3324.00	399.00	4903.00
Vel Total (ft/s)	0.89	Avg. Vel. (ft/s)	0.94	1.12	0.82
Max Chl Dpth (ft)	181.40	Hydr. Depth (ft)	135.24	174.81	109.67
Conv. Total (cfs)	258968400.0	Conv. (cfs)	116323300.0	21411680.0	121233400.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	3367.23	404.34	4952.51
Min Ch El (ft)	579.12	Shear (lb/sq ft)	0.11	0.14	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.10	0.16	0.07
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	23759.20	6630.65	41854.63
C & E Loss (ft)		Cum SA (acres)	197.98	37.15	313.18

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 8981.52*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	730.54	154.36	739.18	209.08	727.55	287.48	711.42	313.62	706.95
418.16	685.45	574.97	649.9	720.34	619.88	940.86	612.14	1254.48	601.39
1286.33	600.32	1359.02	600.36	1463.56	600.39	1541.96	600.3	1595.05	600.3
2058.12	610	2195.33	610	2430.55	610.15	2613.49	610.06	2822.57	610
2881.37	610	2984.28	600.3	3293	600.3	3344.5	579.09	3496	579.09
3692.25	600.3	4032.11	610.25	4129.21	620.02	4469.07	629.96	5051.69	630.39
5245.9	640.23	5634.31	650.21	6022.72	660.19	6216.93	664.22	6459.68	655.66
6556.79	655.73	6799.54	660.76	6896.65	660.83	7187.96	656.19	7382.16	641.78
7527.82	641.89	7576.37	653.56	7624.92	651.66	7964.78	651.91	8353.19	720.09
8644.5	720.3								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3293	.15	3692.25	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3293	3692.25	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.52	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	445445.10	69808.45	544114.40
E.G. Slope (ft/ft)	0.000013	Area (sq ft)	445445.10	69808.45	544114.40
Q Total (cfs)	943679.90	Flow (cfs)	419121.20	77933.10	446625.70
Top Width (ft)	8644.50	Top Width (ft)	3293.00	399.25	4952.25
Vel Total (ft/s)	0.89	Avg. Vel. (ft/s)	0.94	1.12	0.82
Max Chl Dpth (ft)	181.43	Hydr. Depth (ft)	135.27	174.85	109.87
Conv. Total (cfs)	259523600.0	Conv. (cfs)	115263500.0	21432570.0	122827600.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	3336.60	404.59	5001.93
Min Ch El (ft)	579.09	Shear (lb/sq ft)	0.11	0.14	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.10	0.16	0.07
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	23504.02	6590.86	41546.18
C & E Loss (ft)		Cum SA (acres)	196.09	36.92	310.37

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 8956.68*

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	730.36	152.91	739.45	207.11	727.83	284.78	711.54	310.67	706.71
414.22	684.99	569.56	650.21	713.56	619.92	932	612.16	1242.67	601.3
1274.22	600.21	1346.22	600.24	1449.78	600.26	1527.44	600.2	1580.03	600.2
2038.75	610	2174.67	610	2407.67	610.1	2588.89	610.04	2796	610
2854.25	610	2956.19	600.2	3262	600.2	3313	579.06	3464	579.06
3661.5	600.2	4004.74	610.16	4102.81	620.01	4446.05	629.98	5034.46	630.26
5230.6	640.15	5622.87	650.14	6015.15	660.13	6211.28	664.14	6456.46	655.44
6554.52	655.49	6799.7	660.51	6897.76	660.55	7191.97	655.79	7388.11	641.19
7535.21	641.26	7584.25	653.04	7633.28	651.11	7976.52	651.27	8368.79	720.06
8663	720.2								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3262	.15	3661.5	.15

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3262  3661.5            24.84   24.84   24.84             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.53    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.52    Reach Len. (ft)             24.84      24.84
  24.84
  Crit W.S. (ft)                      Flow Area (sq ft)       441352.40   69866.32
550521.80
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            441352.40   69866.32
550521.80
  Q Total (cfs)           943678.30    Flow (cfs)              414368.30   77840.13
 451469.90
  Top Width (ft)           8663.00    Top Width (ft)           3262.00     399.50
5001.50
  Vel Total (ft/s)            0.89    Avg. Vel. (ft/s)            0.94       1.11
   0.82
  Max Chl Dpth (ft)         181.46    Hydr. Depth (ft)          135.30     174.88
 110.07
  Conv. Total (cfs)       260086700.0    Conv. (cfs)             114203800.0
21453470.0   124429400.0
  Length Wtd. (ft)           24.84    Wetted Per. (ft)         3305.97     404.84
5051.35
  Min Ch El (ft)            579.06    Shear (lb/sq ft)            0.11       0.14
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.10       0.16
   0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23251.17    6551.04
41234.07
  C & E Loss (ft)                     Cum SA (acres)            194.23      36.69
 307.53


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8931.84*

INPUT
Description:
Station Elevation Data    num=      46
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  730.18  151.45  739.73  205.14  728.11  282.07  711.66  307.71  706.47
  410.29  684.53  564.14  650.51  706.78  619.96  923.14  612.19 1230.86  601.21
 1262.11  600.11 1333.43  600.12    1436  600.13 1512.93   600.1 1565.02   600.1
 2019.37     610    2154     610 2384.79  610.05 2564.29  610.02 2769.43     610
 2827.12     610 2928.09   600.1    3231   600.1  3281.5  579.03    3432  579.03
 3630.75   600.1 3977.37  610.08  4076.4  620.01 4423.02  629.99 5017.23  630.13
  5215.3  640.08 5611.44  650.07 6007.57  660.06 6205.64  664.07 6453.23  655.22
 6552.26  655.24 6799.85  660.25 6898.88  660.28 7195.99   655.4 7394.05  640.59
 7542.61  640.63 7592.12  652.52 7641.64  650.55 7988.26  650.64  8384.4  720.03
  8681.5   720.1
```

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3231	.15	3630.75	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3231	3630.75	24.84	24.84	24.84	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.52	Reach Len. (ft)	24.84	24.84	24.84
Crit W.S. (ft)		Flow Area (sq ft)	437255.60	69924.24	556945.70
E.G. Slope (ft/ft)	0.000013	Area (sq ft)	437255.60	69924.24	556945.70
Q Total (cfs)	943676.60	Flow (cfs)	409620.80	77746.23	456309.60
Top Width (ft)	8681.50	Top Width (ft)	3231.00	399.75	5050.75
Vel Total (ft/s)	0.89	Avg. Vel. (ft/s)	0.94	1.11	0.82
Max Chl Dpth (ft)	181.49	Hydr. Depth (ft)	135.33	174.92	110.27
Conv. Total (cfs)	260654200.0	Conv. (cfs)	113141900.0	21474390.0	126037900.0
Length Wtd. (ft)	24.84	Wetted Per. (ft)	3275.36	405.08	5100.78
Min Ch El (ft)	579.03	Shear (lb/sq ft)	0.11	0.14	0.09
Alpha	1.03	Stream Power (lb/ft s)	0.10	0.16	0.07
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	23000.66	6511.18	40918.30
C & E Loss (ft)		Cum SA (acres)	192.37	36.47	304.67

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 8907

INPUT
Description:
Station Elevation Data num= 32

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	730	150	740	700	620	1250	600	1550	600
2000	610	2800	610	2900	600	3200	600	3250	579
3400	579	3600	600	3950	610	4050	620	4400	630
5000	630	5200	640	5600	650	6000	660	6200	664
6450	655	6550	655	6800	660	6900	660	7200	655
7400	640	7550	640	7600	652	7650	650	8000	650

```
    8400     720    8700     720

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3200     .15    3600     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3200    3600             45.86   45.86   45.86              .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.53    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.52    Reach Len. (ft)             45.86      45.86
  45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       433158.00   69982.25
563392.40
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            433158.00   69982.25
563392.40
  Q Total (cfs)           943674.90    Flow (cfs)              404878.40   77650.29
 461146.10
  Top Width (ft)           8700.00    Top Width (ft)           3200.00     400.00
5100.00
  Vel Total (ft/s)            0.88    Avg. Vel. (ft/s)            0.93       1.11
   0.82
  Max Chl Dpth (ft)         181.52    Hydr. Depth (ft)          135.36     174.96
 110.47
  Conv. Total (cfs)       261230300.0    Conv. (cfs)             112079400.0
21495340.0   127655600.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         3244.76     405.33
5150.20
  Min Ch El (ft)            579.00    Shear (lb/sq ft)            0.11       0.14
   0.09
  Alpha                       1.03    Stream Power (lb/ft s)      0.10       0.16
   0.07
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22752.48    6471.29
40598.87
  C & E Loss (ft)                     Cum SA (acres)            190.54      36.24
 301.77



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8861.14*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  729.05  147.54  738.45  599.55  642.61  674.49   626.3  688.54  623.33
  749.43  621.19 1229.54  601.67 1274.04  601.43 1524.63  601.11  1723.7  605.14
 1967.26  610.07 2098.41   609.9  2248.3  609.52 2548.07  609.52 2697.96  609.05
 2754.17  609.05  2772.9  607.23 2847.85  600.45 2852.53     600 3147.62     600
    3200  578.81    3350  578.81 3545.24     600 3895.56  609.52 3995.66  619.05
```

4183.33	624.15	4345.98	628.66	4946.55	628.98	5066.85	634.77	5146.73	638.68
5508.61	647.8	5547.11	648.74	5852.2	656.16	5947.48	658.31	6147.67	661.87
6195.79	660.16	6293.96	656.8	6397.9	653.37	6441.21	653.43	6497.99	653.4
6637.55	655.99	6748.23	658.1	6833.88	658.1	6848.32	658.14	6981.14	656.47
7148.6	653.81	7226.56	648.25	7348.79	639.79	7498.93	640.12	7548.97	651.66
7599.02	649.86	7619.23	649.9	7717.4	649.9	7766.48	649.57	7864.65	649.57
7949.35	650.1	8349.72	719.28	8404.58	719.62	8650	719.62	8650	719.71

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3147.62	.15	3545.24	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3147.62	3545.24	45.86	45.86	45.86	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.52	Reach Len. (ft)	45.86	45.86	45.86
Crit W.S. (ft)		Flow Area (sq ft)	423996.40	69626.75	569084.20
E.G. Slope (ft/ft)	0.000013	Area (sq ft)	423996.40	69626.75	569084.20
Q Total (cfs)	943671.80	Flow (cfs)	396118.40	77530.48	470023.00
Top Width (ft)	8650.00	Top Width (ft)	3147.62	397.62	5104.76
Vel Total (ft/s)	0.89	Avg. Vel. (ft/s)	0.93	1.11	0.83
Max Chl Dpth (ft)	181.71	Hydr. Depth (ft)	134.70	175.11	111.48
Conv. Total (cfs)	260468300.0	Conv. (cfs)	109334900.0	21399630.0	129733700.0
Length Wtd. (ft)	45.86	Wetted Per. (ft)	3192.44	402.89	5154.87
Min Ch El (ft)	578.81	Shear (lb/sq ft)	0.11	0.14	0.09
Alpha	1.02	Stream Power (lb/ft s)	0.10	0.16	0.07
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	22301.28	6397.80	40002.73
C & E Loss (ft)		Cum SA (acres)	187.20	35.82	296.40

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 8815.28*

INPUT
Description:
Station Elevation Data num= 60

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	728.1	145.09	736.91	589.57	645.48	663.27	629.49	677.08	626.67
736.96	624.63	1209.08	603.34	1252.83	602.86	1499.26	602.22	1695.01	605.78
1934.52	610.14	2063.49	609.81	2210.88	609.05	2505.67	609.05	2653.06	608.1
2708.33	608.1	2726.76	606.37	2800.45	600.43	2805.06	600	3095.24	600
3150	578.62	3300	578.62	3490.48	600	3841.13	609.05	3941.32	618.1
4129.17	622.94	4291.97	627.32	4893.09	627.97	5013.51	633.53	5093.46	637.37
5455.68	646.56	5494.21	647.47	5799.59	654.7	5894.96	656.62	6095.33	659.74
6143.5	658.05	6241.76	654.86	6345.8	651.75	6389.15	651.86	6445.98	651.8
6585.67	654.19	6696.45	656.19	6782.19	656.19	6796.64	656.28	6929.58	655.14
7097.2	652.62	7175.23	647.33	7297.57	639.58	7447.85	640.24	7497.95	651.31
7548.04	649.72	7568.27	649.81	7666.53	649.81	7715.66	649.14	7813.92	649.14
7898.69	650.2	8299.44	718.55	8354.35	719.24	8600	719.24	8600	719.43

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3095.24	.15	3490.48	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3095.24	3490.48	45.86	45.86	45.86	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.52	Reach Len. (ft)	45.86	45.86	45.86
Crit W.S. (ft)		Flow Area (sq ft)	414894.50	69270.84	574785.30
E.G. Slope (ft/ft)	0.000013	Area (sq ft)	414894.50	69270.84	574785.30
Q Total (cfs)	943668.70	Flow (cfs)	387345.20	77395.13	478928.40
Top Width (ft)	8600.00	Top Width (ft)	3095.24	395.24	5109.52
Vel Total (ft/s)	0.89	Avg. Vel. (ft/s)	0.93	1.12	0.83
Max Chl Dpth (ft)	181.90	Hydr. Depth (ft)	134.04	175.26	112.49
Conv. Total (cfs)	259748500.0	Conv. (cfs)	106618300.0	21303320.0	131826900.0
Length Wtd. (ft)	45.86	Wetted Per. (ft)	3140.17	400.46	5159.57
Min Ch El (ft)	578.62	Shear (lb/sq ft)	0.11	0.14	0.09
Alpha	1.02	Stream Power (lb/ft s)	0.10	0.16	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	21859.68	6324.68	39400.60
C & E Loss (ft)		Cum SA (acres)	183.91	35.40	291.03

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 8769.42*

INPUT
Description:
Station Elevation Data num= 60

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	727.14	142.63	735.36	579.59	648.35	652.04	632.67	665.62	630
724.49	628.07	1188.62	605.01	1231.63	604.29	1473.88	603.33	1666.33	606.43
1901.79	610.21	2028.57	609.71	2173.47	608.57	2463.27	608.57	2608.16	607.14
2662.5	607.14	2680.61	605.51	2753.06	600.41	2757.59	600	3042.86	600
3100	578.43	3250	578.43	3435.71	600	3786.69	608.57	3886.97	617.14
4075	621.73	4237.96	625.98	4839.64	626.95	4960.17	632.29	5040.2	636.05
5402.75	645.32	5441.32	646.21	5746.98	653.25	5842.44	654.93	6043	657.61
6091.21	655.95	6189.56	652.92	6293.7	650.12	6337.09	650.29	6393.98	650.2
6533.79	652.39	6644.68	654.29	6730.49	654.29	6744.96	654.43	6878.02	653.82
7045.8	651.43	7123.9	646.42	7246.36	639.37	7396.78	640.36	7446.92	650.97
7497.06	649.58	7517.31	649.71	7615.66	649.71	7664.83	648.71	7763.19	648.71
7848.04	650.31	8249.16	717.83	8304.12	718.86	8550	718.86	8550	719.14

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3042.86	.15	3435.71	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3042.86	3435.71	45.86	45.86	45.86	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.51	Reach Len. (ft)	45.86	45.86	45.86
Crit W.S. (ft)		Flow Area (sq ft)	405871.30	68912.70	580494.60
E.G. Slope (ft/ft)	0.000013	Area (sq ft)	405871.30	68912.70	580494.60
Q Total (cfs)	943665.60	Flow (cfs)	378582.10	77240.27	487843.30
Top Width (ft)	8550.00	Top Width (ft)	3042.86	392.85	5114.29
Vel Total (ft/s)	0.89	Avg. Vel. (ft/s)	0.93	1.12	0.84
Max Chl Dpth (ft)	182.08	Hydr. Depth (ft)	133.38	175.42	113.50
Conv. Total (cfs)	259077800.0	Conv. (cfs)	103937500.0	21205860.0	133934500.0
Length Wtd. (ft)	45.86	Wetted Per. (ft)	3087.94	398.03	5164.32
Min Ch El (ft)	578.43	Shear (lb/sq ft)	0.11	0.14	0.09
Alpha	1.02	Stream Power (lb/ft s)	0.10	0.16	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	21427.63	6251.94	38792.46
C & E Loss (ft)		Cum SA (acres)	180.68	34.99	285.64

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 8723.57*

INPUT
Description:
Station Elevation Data num= 60

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	726.19	140.18	733.82	569.61	651.22	640.82	635.86	654.17	633.33
712.02	631.51	1168.15	606.68	1210.43	605.71	1448.51	604.44	1637.64	607.07
1869.05	610.29	1993.65	609.62	2136.05	608.1	2420.86	608.1	2563.27	606.19
2616.67	606.19	2634.47	604.65	2705.67	600.39	2710.12	600	2990.48	600
3050	578.24	3200	578.24	3380.95	600	3732.26	608.1	3832.63	616.19
4020.83	620.53	4183.94	624.64	4786.18	625.93	4906.82	631.06	4986.93	634.73
5349.82	644.08	5388.42	644.94	5694.37	651.79	5789.92	653.24	5990.66	655.48
6038.92	653.84	6137.36	650.98	6241.6	648.49	6285.03	648.71	6341.97	648.6
6481.91	650.59	6592.9	652.38	6678.8	652.38	6693.28	652.57	6826.47	652.5
6994.4	650.24	7072.57	645.51	7195.14	639.16	7345.71	640.47	7395.89	650.62
7446.08	649.44	7466.35	649.62	7564.79	649.62	7614.01	648.29	7712.45	648.29
7797.39	650.41	8198.88	717.1	8253.89	718.48	8500	718.48	8500	718.86

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2990.48	.15	3380.95	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2990.48	3380.95	45.86	45.86	45.86	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.51	Reach Len. (ft)	45.86	45.86	45.86
Crit W.S. (ft)		Flow Area (sq ft)	396907.60	68555.87	586216.10
E.G. Slope (ft/ft)	0.000013	Area (sq ft)	396907.60	68555.87	586216.10
Q Total (cfs)	943662.60	Flow (cfs)	369812.00	77071.44	496779.30
Top Width (ft)	8500.00	Top Width (ft)	2990.48	390.47	5119.05
Vel Total (ft/s)	0.90	Avg. Vel. (ft/s)	0.93	1.12	0.85
Max Chl Dpth (ft)	182.27	Hydr. Depth (ft)	132.72	175.57	114.52
Conv. Total (cfs)	258450800.0	Conv. (cfs)	101284300.0	21108370.0	136058200.0
Length Wtd. (ft)	45.86	Wetted Per. (ft)	3035.75	395.63	5169.08
Min Ch El (ft)	578.24	Shear (lb/sq ft)	0.11	0.14	0.09
Alpha	1.02	Stream Power (lb/ft s)	0.10	0.16	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	21005.05	6179.58	

38178.30
C & E Loss (ft) Cum SA (acres) 177.51 34.57
280.26

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 8677.71*

INPUT
Description:
Station Elevation Data num= 60

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	725.24	137.72	732.27	559.64	654.09	629.59	639.04	642.71	636.67
699.55	634.95	1147.69	608.35	1189.23	607.14	1423.14	605.55	1608.96	607.71
1836.31	610.36	1958.73	609.52	2098.64	607.62	2378.46	607.62	2518.37	605.24
2570.83	605.24	2588.32	603.79	2658.28	600.36	2662.65	600	2938.1	600
3000	578.05	3150	578.05	3326.19	600	3677.82	607.62	3778.29	615.24
3966.67	619.32	4129.93	623.3	4732.73	624.91	4853.48	629.82	4933.66	633.42
5296.89	642.84	5335.53	643.68	5641.76	650.33	5737.4	651.55	5938.33	653.35
5986.63	651.73	6085.17	649.04	6189.5	646.86	6232.97	647.14	6289.96	647.01
6430.04	648.79	6541.13	650.48	6627.11	650.48	6641.6	650.71	6774.91	651.17
6943	649.05	7021.25	644.6	7143.93	638.95	7294.63	640.59	7344.86	650.28
7395.1	649.3	7415.38	649.52	7513.92	649.52	7563.19	647.86	7661.72	647.86
7746.73	650.51	8148.6	716.38	8203.66	718.1	8450	718.1	8450	718.57

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2938.1	.15	3326.19	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2938.1	3326.19	45.86	45.86	45.86	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.52	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.51	Reach Len. (ft)	45.86	45.86	45.86
Crit W.S. (ft)		Flow Area (sq ft)	388021.90	68198.53	591945.20
E.G. Slope (ft/ft)	0.000013	Area (sq ft)	388021.90	68198.53	591945.20
Q Total (cfs)	943659.50	Flow (cfs)	361060.10	76885.05	505714.30
Top Width (ft)	8450.00	Top Width (ft)	2938.10	388.09	5123.81
Vel Total (ft/s)	0.90	Avg. Vel. (ft/s)	0.93	1.13	0.85
Max Chl Dpth (ft)	182.46	Hydr. Depth (ft)	132.07	175.73	115.53
Conv. Total (cfs)	257872900.0	Conv. (cfs)	98666550.0	21010300.0	138196100.0
Length Wtd. (ft)	45.86	Wetted Per. (ft)	2983.61	393.23	

5173.88					
Min Ch El (ft)	578.05	Shear (lb/sq ft)	0.11	0.14	0.10
Alpha	1.02	Stream Power (lb/ft s)	0.10	0.16	0.08
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	20591.86	6107.59	37558.12
C & E Loss (ft)		Cum SA (acres)	174.39	34.16	274.87

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 8631.85*

INPUT
Description:
Station Elevation Data num= 60

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	724.29	135.27	730.73	549.66	656.96	618.37	642.23	631.25	640
687.07	638.39	1127.23	610.03	1168.03	608.57	1397.77	606.66	1580.27	608.36
1803.57	610.43	1923.81	609.43	2061.22	607.14	2336.05	607.14	2473.47	604.29
2525	604.29	2542.18	602.93	2610.88	600.34	2615.18	600	2885.71	600
2950	577.86	3100	577.86	3271.43	600	3623.39	607.14	3723.95	614.29
3912.5	618.11	4075.91	621.95	4679.27	623.9	4800.14	628.58	4880.39	632.1
5243.96	641.6	5282.63	642.41	5589.15	648.87	5684.87	649.86	5885.99	651.22
5934.34	649.62	6032.97	647.1	6137.4	645.24	6180.91	645.57	6237.96	645.41
6378.16	646.99	6489.36	648.57	6575.41	648.57	6589.92	648.85	6723.35	649.85
6891.6	647.86	6969.92	643.68	7092.72	638.74	7243.56	640.71	7293.84	649.94
7344.12	649.16	7364.42	649.43	7463.05	649.43	7512.36	647.43	7610.99	647.43
7696.08	650.61	8098.32	715.65	8153.43	717.71	8400	717.71	8400	718.29

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2885.71	.15	3271.43	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2885.71	3271.43	45.86	45.86	45.86	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.52	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.51	Reach Len. (ft)	45.86	45.86	45.86
Crit W.S. (ft)		Flow Area (sq ft)	379195.40	67842.58	597694.40
E.G. Slope (ft/ft)	0.000013	Area (sq ft)	379195.40	67842.58	597694.40
Q Total (cfs)	943656.50	Flow (cfs)	352305.60	76684.26	514666.60
Top Width (ft)	8400.00	Top Width (ft)	2885.71	385.72	5128.57
Vel Total (ft/s)	0.90	Avg. Vel. (ft/s)	0.93	1.13	

```
   0.86
  Max Chl Dpth (ft)         182.65    Hydr. Depth (ft)          131.40     175.89
 116.54
  Conv. Total (cfs)       257341200.0    Conv. (cfs)             96076020.0
20912290.0   140352900.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2931.51     390.85
5178.71
  Min Ch El (ft)            577.86    Shear (lb/sq ft)            0.11       0.15
   0.10
  Alpha                       1.02    Stream Power (lb/ft s)      0.10       0.16
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20188.00    6035.98
36931.89
  C & E Loss (ft)                     Cum SA (acres)            171.32      33.76
 269.47
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 8586.*

INPUT
Description:
Station Elevation Data num= 60

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	723.33	132.81	729.18	539.68	659.83	607.14	645.41	619.79	643.33
674.6	641.83	1106.77	611.7	1146.83	610	1372.4	607.77	1551.59	609
1770.83	610.5	1888.89	609.33	2023.81	606.67	2293.65	606.67	2428.57	603.33
2479.17	603.33	2496.03	602.06	2563.49	600.32	2567.71	600	2833.33	600
2900	577.67	3050	577.67	3216.67	600	3568.95	606.67	3669.61	613.33
3858.33	616.9	4021.9	620.61	4625.82	622.88	4746.79	627.34	4827.12	630.78
5191.03	640.36	5229.74	641.15	5536.54	647.41	5632.35	648.17	5833.66	649.09
5882.05	647.51	5980.77	645.16	6085.29	643.61	6128.85	644	6185.95	643.81
6326.28	645.19	6437.58	646.67	6523.72	646.67	6538.24	646.99	6671.79	648.53
6840.2	646.67	6918.59	642.77	7041.5	638.53	7192.48	640.83	7242.81	649.59
7293.14	649.02	7313.46	649.33	7412.18	649.33	7461.54	647	7560.26	647
7645.42	650.71	8048.04	714.93	8103.21	717.33	8350	717.33	8350	718

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2833.33	.15	3216.67	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2833.33	3216.67	45.86	45.86	45.86	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.52    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.51    Reach Len. (ft)            45.86      45.86
  45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       370446.60   67484.34
603444.30
  E.G. Slope (ft/ft)      0.000013    Area (sq ft)            370446.60   67484.34
```

```
603444.30
  Q Total (cfs)           943653.50    Flow (cfs)              343581.10   76465.14
 523607.30
  Top Width (ft)           8350.00    Top Width (ft)           2833.33     383.34
5133.33
  Vel Total (ft/s)            0.91    Avg. Vel. (ft/s)            0.93       1.13
   0.87
  Max Chl Dpth (ft)         182.84    Hydr. Depth (ft)          130.75     176.04
 117.55
  Conv. Total (cfs)       256854400.0    Conv. (cfs)             93519820.0
20813150.0   142521400.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2879.48     388.47
5183.57
  Min Ch El (ft)            577.67    Shear (lb/sq ft)            0.11       0.15
   0.10
  Alpha                       1.02    Stream Power (lb/ft s)      0.10       0.17
   0.09
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19793.39    5964.74
36299.61
  C & E Loss (ft)                     Cum SA (acres)            168.31      33.35
 264.07
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 8540.14*

INPUT
Description:
Station Elevation Data num= 60

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	722.38	130.36	727.63	529.71	662.7	595.92	648.6	608.33	646.67
662.13	645.27	1086.31	613.37	1125.62	611.43	1347.02	608.88	1522.9	609.64
1738.1	610.57	1853.97	609.24	1986.39	606.19	2251.25	606.19	2383.67	602.38
2433.33	602.38	2449.89	601.2	2516.1	600.29	2520.24	600	2780.95	600
2850	577.48	3000	577.48	3161.9	600	3514.52	606.19	3615.27	612.38
3804.17	615.7	3967.88	619.27	4572.36	621.86	4693.45	626.1	4773.86	629.47
5138.1	639.12	5176.84	639.89	5483.93	645.96	5579.83	646.48	5781.33	646.96
5829.76	645.4	5928.57	643.22	6033.19	641.98	6076.79	642.43	6133.94	642.21
6274.4	643.39	6385.81	644.76	6472.02	644.76	6486.55	645.14	6620.24	647.2
6788.8	645.48	6867.26	641.86	6990.29	638.32	7141.41	640.95	7191.78	649.25
7242.16	648.89	7262.5	649.24	7361.31	649.24	7410.71	646.57	7509.52	646.57
7594.77	650.81	7997.76	714.2	8052.98	716.95	8300	716.95	8300	717.71

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2780.95	.15	3161.9	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2780.95	3161.9	45.86	45.86	45.86	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.52    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                 0.150      0.150
```

```
  0.150
  W.S. Elev (ft)            760.51    Reach Len. (ft)            45.86      45.86
  45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       361766.00   67124.02
609203.30
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            361766.00   67124.02
609203.30
  Q Total (cfs)           943650.50    Flow (cfs)              334879.20   76228.20
 532543.10
  Top Width (ft)           8300.00    Top Width (ft)           2780.95     380.95
5138.10
  Vel Total (ft/s)            0.91    Avg. Vel. (ft/s)            0.93       1.14
   0.87
  Max Chl Dpth (ft)         183.03    Hydr. Depth (ft)          130.09     176.20
 118.57
  Conv. Total (cfs)       256411900.0    Conv. (cfs)             90994500.0
20712990.0   144704400.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2827.50     386.09
5188.46
  Min Ch El (ft)            577.48    Shear (lb/sq ft)            0.11       0.15
   0.10
  Alpha                       1.02    Stream Power (lb/ft s)      0.10       0.17
   0.09
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19407.95    5893.88
35661.27
  C & E Loss (ft)                     Cum SA (acres)            165.35      32.95
 258.66


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8494.28*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  721.43   127.9  726.09  519.73  665.57  584.69  651.78  596.88     650
  649.66  648.71 1065.85  615.04 1104.42  612.86 1321.65  609.99 1494.22  610.28
 1705.36  610.64 1819.05  609.14 1948.98  605.71 2208.84  605.71 2338.78  601.43
  2387.5  601.43 2403.74  600.34 2468.71  600.27 2472.77     600 2728.57     600
    2800  577.29    2950  577.29 3107.14     600 3460.08  605.71 3560.92  611.43
    3750  614.49 3913.87  617.93 4518.91  620.85 4640.11  624.86 4720.59  628.15
 5085.17  637.88 5123.95  638.62 5431.32   644.5 5527.31  644.79 5728.99  644.83
 5777.47   643.3 5876.37  641.28 5981.09  640.35 6024.73  640.86 6081.93  640.61
 6222.53  641.59 6334.03  642.86 6420.33  642.86 6434.87  643.28 6568.68  645.88
  6737.4  644.29 6815.93  640.95 6939.08  638.12 7090.34  641.07 7140.76  648.91
 7191.18  648.75 7211.54  649.14 7310.44  649.14 7359.89  646.14 7458.79  646.14
 7544.12  650.92 7947.48  713.48 8002.75  716.57    8250  716.57    8250  717.43

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2728.57     .15 3107.14     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2728.57 3107.14            45.86   45.86   45.86             .1       .3
```

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.52	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.51	Reach Len. (ft)	45.86	45.86	45.86
Crit W.S. (ft)		Flow Area (sq ft)	353154.30	66764.91	614966.90
E.G. Slope (ft/ft)	0.000014	Area (sq ft)	353154.30	66764.91	614966.90
Q Total (cfs)	943647.50	Flow (cfs)	326204.20	75977.45	541465.90
Top Width (ft)	8250.00	Top Width (ft)	2728.57	378.57	5142.86
Vel Total (ft/s)	0.91	Avg. Vel. (ft/s)	0.92	1.14	0.88
Max Chl Dpth (ft)	183.22	Hydr. Depth (ft)	129.43	176.36	119.58
Conv. Total (cfs)	256013100.0	Conv. (cfs)	88499740.0	20612810.0	146900600.0
Length Wtd. (ft)	45.86	Wetted Per. (ft)	2775.58	383.73	5193.38
Min Ch El (ft)	577.29	Shear (lb/sq ft)	0.11	0.15	0.10
Alpha	1.02	Stream Power (lb/ft s)	0.10	0.17	0.09
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19031.62	5823.40	35016.87
C & E Loss (ft)		Cum SA (acres)	162.45	32.55	253.25

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 8448.42*

INPUT
Description:
Station Elevation Data num= 60

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720.48	125.45	724.54	509.75	668.44	573.47	654.97	585.42	653.33
637.19	652.15	1045.39	616.71	1083.22	614.29	1296.28	611.1	1465.53	610.93
1672.62	610.71	1784.13	609.05	1911.56	605.24	2166.44	605.24	2293.88	600.48
2341.67	600.48	2357.6	599.48	2421.32	600.25	2425.3	600	2676.19	600
2750	577.1	2900	577.1	3052.38	600	3405.65	605.24	3506.58	610.48
3695.83	613.28	3859.85	616.59	4465.45	619.83	4586.77	623.62	4667.32	626.83
5032.23	636.64	5071.06	637.36	5378.71	643.04	5474.79	643.1	5676.66	642.7
5725.18	641.19	5824.18	639.34	5928.99	638.73	5972.66	639.29	6029.93	639.01
6170.65	639.79	6282.26	640.95	6368.64	640.95	6383.19	641.42	6517.12	644.56
6685.99	643.1	6764.61	640.04	6887.86	637.91	7039.26	641.18	7089.73	648.56
7140.2	648.61	7160.58	649.05	7259.57	649.05	7309.07	645.71	7408.06	645.71
7493.46	651.02	7897.2	712.76	7952.52	716.19	8200	716.19	8200	717.14

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2676.19	.15	3052.38	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2676.19	3052.38	45.86	45.86	45.86	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.52	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.51	Reach Len. (ft)	45.86	45.86	45.86
Crit W.S. (ft)		Flow Area (sq ft)	344606.30	66405.39	620744.60
E.G. Slope (ft/ft)	0.000014	Area (sq ft)	344606.30	66405.39	620744.60
Q Total (cfs)	943644.60	Flow (cfs)	317551.90	75710.84	550381.90
Top Width (ft)	8200.00	Top Width (ft)	2676.19	376.19	5147.62
Vel Total (ft/s)	0.91	Avg. Vel. (ft/s)	0.92	1.14	0.89
Max Chl Dpth (ft)	183.41	Hydr. Depth (ft)	128.77	176.52	120.59
Conv. Total (cfs)	255658800.0	Conv. (cfs)	86033380.0	20512110.0	149113300.0
Length Wtd. (ft)	45.86	Wetted Per. (ft)	2723.73	381.37	5198.33
Min Ch El (ft)	577.10	Shear (lb/sq ft)	0.11	0.15	0.10
Alpha	1.01	Stream Power (lb/ft s)	0.10	0.17	0.09
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	18664.31	5753.30	34366.39
C & E Loss (ft)		Cum SA (acres)	159.61	32.15	247.83

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 8402.57*

INPUT
Description:
Station Elevation Data num= 60

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	719.52	122.99	723	499.77	671.3	562.24	658.15	573.96	656.67
624.72	655.59	1024.93	618.38	1062.02	615.71	1270.91	612.21	1436.85	611.57
1639.88	610.79	1749.21	608.95	1874.15	604.76	2124.04	604.76	2248.98	599.52
2295.83	599.52	2311.45	598.62	2373.92	600.23	2377.83	600	2623.81	600
2700	576.9	2850	576.9	2997.62	600	3351.21	604.76	3452.24	609.52
3641.67	612.07	3805.84	615.25	4412	618.81	4533.42	622.39	4614.05	625.52
4979.3	635.4	5018.16	636.09	5326.1	641.58	5422.27	641.41	5624.32	640.57
5672.89	639.08	5771.98	637.4	5876.89	637.1	5920.6	637.71	5977.92	637.41

```
 6118.77  637.99 6230.49  639.05 6316.94  639.05 6331.51  639.56 6465.57  643.23
 6634.59   641.9 6713.28  639.12 6836.65   637.7 6988.19   641.3  7038.7  648.22
 7089.22  648.47 7109.62  648.95  7208.7  648.95 7258.24  645.29 7357.33  645.29
 7442.81  651.12 7846.92  712.03 7902.29  715.81    8150  715.81    8150  716.86

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2623.81     .15 2997.62     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2623.81 2997.62            45.86   45.86   45.86             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.52    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.50    Reach Len. (ft)             45.86      45.86
  45.86
  Crit W.S. (ft)                      Flow Area (sq ft)       336135.90   66048.02
626538.40
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            336135.90   66048.02
626538.40
  Q Total (cfs)           943641.60    Flow (cfs)              308937.20   75430.53
 559273.90
  Top Width (ft)           8150.00    Top Width (ft)           2623.81     373.81
5152.38
  Vel Total (ft/s)            0.92    Avg. Vel. (ft/s)            0.92       1.14
   0.89
  Max Chl Dpth (ft)         183.60    Hydr. Depth (ft)          128.11     176.69
 121.60
  Conv. Total (cfs)       255356400.0    Conv. (cfs)             83600680.0
20412060.0   151343700.0
  Length Wtd. (ft)           45.86    Wetted Per. (ft)         2671.95     379.03
5203.30
  Min Ch El (ft)            576.90    Shear (lb/sq ft)            0.11       0.15
   0.10
  Alpha                       1.01    Stream Power (lb/ft s)      0.10       0.17
   0.09
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18305.97    5683.58
33709.82
  C & E Loss (ft)                     Cum SA (acres)            156.82      31.76
 242.41



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 8356.71*

INPUT
Description:
Station Elevation Data    num=      60
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  718.57  120.54  721.45   489.8  674.17  551.02  661.34   562.5     660
  612.24  659.04 1004.46  620.05 1040.82  617.14 1245.54  613.32 1408.16  612.21
```

1607.14	610.86	1714.29	608.86	1836.73	604.29	2081.63	604.29	2204.08	598.57
2250	598.57	2265.31	597.76	2326.53	600.2	2330.36	600	2571.43	600
2650	576.71	2800	576.71	2942.86	600	3296.78	604.29	3397.9	608.57
3587.5	610.87	3751.82	613.91	4358.54	617.79	4480.08	621.15	4560.78	624.2
4926.37	634.16	4965.27	634.83	5273.49	640.12	5369.75	639.72	5571.99	638.43
5620.6	636.97	5719.78	635.46	5824.79	635.47	5868.54	636.14	5925.91	635.81
6066.9	636.2	6178.71	637.14	6265.25	637.14	6279.83	637.7	6414.01	641.91
6583.19	640.71	6661.95	638.21	6785.43	637.49	6937.11	641.42	6987.67	647.87
7038.24	648.33	7058.65	648.86	7157.83	648.86	7207.42	644.86	7306.59	644.86
7392.16	651.22	7796.64	711.31	7852.06	715.43	8100	715.43	8100	716.57

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2571.43	.15	2942.86	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2571.43	2942.86	45.86	45.86	45.86	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.52	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.50	Reach Len. (ft)	45.86	45.86	45.86
Crit W.S. (ft)		Flow Area (sq ft)	327726.30	65687.59	632333.80
E.G. Slope (ft/ft)	0.000014	Area (sq ft)	327726.30	65687.59	632333.80
Q Total (cfs)	943638.70	Flow (cfs)	300358.60	75132.34	568147.80
Top Width (ft)	8100.00	Top Width (ft)	2571.43	371.43	5157.14
Vel Total (ft/s)	0.92	Avg. Vel. (ft/s)	0.92	1.14	0.90
Max Chl Dpth (ft)	183.79	Hydr. Depth (ft)	127.45	176.85	122.61
Conv. Total (cfs)	255090800.0	Conv. (cfs)	81194970.0	20310280.0	153585600.0
Length Wtd. (ft)	45.86	Wetted Per. (ft)	2620.24	376.70	5208.30
Min Ch El (ft)	576.71	Shear (lb/sq ft)	0.11	0.15	0.10
Alpha	1.01	Stream Power (lb/ft s)	0.10	0.17	0.09
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	17956.51	5614.23	33047.15
C & E Loss (ft)		Cum SA (acres)	154.08	31.37	236.98

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 8310.85*

INPUT
Description:
Station Elevation Data num= 60

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	717.62	118.08	719.91	479.82	677.04	539.8	664.52	551.04	663.33
599.77	662.48	984	621.72	1019.61	618.57	1220.16	614.43	1379.48	612.86
1574.4	610.93	1679.37	608.76	1799.32	603.81	2039.23	603.81	2159.18	597.62
2204.17	597.62	2219.16	596.89	2279.14	600.18	2282.89	600	2519.05	600
2600	576.52	2750	576.52	2888.1	600	3242.34	603.81	3343.56	607.62
3533.33	609.66	3697.81	612.57	4305.09	616.78	4426.74	619.91	4507.52	622.88
4873.44	632.92	4912.37	633.56	5220.88	638.66	5317.23	638.03	5519.65	636.3
5568.31	634.86	5667.58	633.52	5772.69	633.84	5816.48	634.57	5873.9	634.21
6015.02	634.4	6126.94	635.24	6213.55	635.24	6228.15	635.85	6362.45	640.59
6531.79	639.52	6610.62	637.3	6734.22	637.28	6886.04	641.54	6936.65	647.53
6987.25	648.19	7007.69	648.76	7106.96	648.76	7156.59	644.43	7255.86	644.43
7341.5	651.32	7746.36	710.58	7801.83	715.05	8050	715.05	8050	716.29

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2519.05	.15	2888.1	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2519.05	2888.1	45.86	45.86	45.86	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.50	Reach Len. (ft)	45.86	45.86	45.86
Crit W.S. (ft)		Flow Area (sq ft)	319389.30	65326.70	638142.00
E.G. Slope (ft/ft)	0.000014	Area (sq ft)	319389.30	65326.70	638142.00
Q Total (cfs)	943635.80	Flow (cfs)	291824.90	74817.70	576993.30
Top Width (ft)	8050.00	Top Width (ft)	2519.05	369.05	5161.90
Vel Total (ft/s)	0.92	Avg. Vel. (ft/s)	0.91	1.15	0.90
Max Chl Dpth (ft)	183.98	Hydr. Depth (ft)	126.79	177.01	123.63
Conv. Total (cfs)	254872100.0	Conv. (cfs)	78820700.0	20207950.0	155843500.0
Length Wtd. (ft)	45.86	Wetted Per. (ft)	2568.60	374.37	5213.34
Min Ch El (ft)	576.52	Shear (lb/sq ft)	0.11	0.15	0.10
Alpha	1.01	Stream Power (lb/ft s)	0.10	0.17	0.09
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	17615.87	5545.27	32378.37
C & E Loss (ft)		Cum SA (acres)	151.40	30.98	231.55

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 8265.*

INPUT
Description:
Station Elevation Data num= 60

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	716.67	115.62	718.36	469.84	679.91	528.57	667.71	539.58	666.67
587.3	665.92	963.54	623.39	998.41	620	1194.79	615.54	1350.79	613.5
1541.67	611	1644.44	608.67	1761.9	603.33	1996.83	603.33	2114.29	596.67
2158.33	596.67	2173.02	596.03	2231.75	600.16	2235.42	600	2466.67	600
2550	576.33	2700	576.33	2833.33	600	3187.91	603.33	3289.22	606.67
3479.17	608.45	3643.79	611.23	4251.63	615.76	4373.4	618.67	4454.25	621.57
4820.51	631.68	4859.48	632.3	5168.27	637.21	5264.71	636.34	5467.32	634.17
5516.03	632.76	5615.38	631.58	5720.59	632.22	5764.42	633	5821.9	632.61
5963.14	632.6	6075.16	633.33	6161.86	633.33	6176.47	633.99	6310.9	639.26
6480.39	638.33	6559.29	636.39	6683.01	637.07	6834.97	641.66	6885.62	647.19
6936.27	648.05	6956.73	648.67	7056.09	648.67	7105.77	644	7205.13	644
7290.85	651.42	7696.08	709.86	7751.6	714.67	8000	714.67	8000	716

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2466.67	.15	2833.33	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2466.67	2833.33	45.86	45.86	45.86	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.50	Reach Len. (ft)	45.86	45.86	45.86
Crit W.S. (ft)		Flow Area (sq ft)	311123.40	64963.67	643957.80
E.G. Slope (ft/ft)	0.000014	Area (sq ft)	311123.40	64963.67	643957.80
Q Total (cfs)	943632.90	Flow (cfs)	283342.00	74485.79	585805.10
Top Width (ft)	8000.00	Top Width (ft)	2466.67	366.66	5166.67
Vel Total (ft/s)	0.93	Avg. Vel. (ft/s)	0.91	1.15	0.91
Max Chl Dpth (ft)	184.17	Hydr. Depth (ft)	126.13	177.18	124.64
Conv. Total (cfs)	254696800.0	Conv. (cfs)	76477110.0	20104530.0	158115200.0
Length Wtd. (ft)	45.86	Wetted Per. (ft)	2517.04	372.04	5218.42
Min Ch El (ft)	576.33	Shear (lb/sq ft)	0.11	0.15	0.11
Alpha	1.01	Stream Power (lb/ft s)	0.10	0.17	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	17283.97	5476.68	31703.47
C & E Loss (ft)		Cum SA (acres)	148.78	30.59	226.11

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 8219.14*

INPUT
Description:
Station Elevation Data num= 60

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	715.71	113.17	716.81	459.86	682.78	517.35	670.89	528.12	670
574.83	669.36	943.08	625.06	977.21	621.43	1169.42	616.65	1322.11	614.14
1508.93	611.07	1609.52	608.57	1724.49	602.86	1954.42	602.86	2069.39	595.71
2112.5	595.71	2126.87	595.17	2184.35	600.14	2187.95	600	2414.29	600
2500	576.14	2650	576.14	2778.57	600	3133.47	602.86	3234.87	605.71
3425	607.24	3589.78	609.89	4198.18	614.74	4320.06	617.43	4400.98	620.25
4767.58	630.44	4806.58	631.03	5115.66	635.75	5212.18	634.65	5414.99	632.04
5463.74	630.65	5563.19	629.64	5668.49	630.59	5712.36	631.43	5769.89	631.02
5911.26	630.8	6023.39	631.43	6110.17	631.43	6124.79	632.13	6259.34	637.94
6428.99	637.14	6507.97	635.47	6631.79	636.86	6783.89	641.78	6834.59	646.84
6885.29	647.91	6905.77	648.57	7005.22	648.57	7054.95	643.57	7154.4	643.57
7240.2	651.53	7645.8	709.13	7701.37	714.29	7950	714.29	7950	715.71

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2414.29	.15	2778.57	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2414.29	2778.57	45.86	45.86	45.86	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.50	Reach Len. (ft)	45.86	45.86	45.86
Crit W.S. (ft)		Flow Area (sq ft)	302926.00	64601.86	649786.60
E.G. Slope (ft/ft)	0.000014	Area (sq ft)	302926.00	64601.86	649786.60
Q Total (cfs)	943630.00	Flow (cfs)	274906.30	74139.91	594583.80
Top Width (ft)	7950.00	Top Width (ft)	2414.29	364.28	5171.43
Vel Total (ft/s)	0.93	Avg. Vel. (ft/s)	0.91	1.15	0.92
Max Chl Dpth (ft)	184.36	Hydr. Depth (ft)	125.47	177.34	125.65
Conv. Total (cfs)	254566900.0	Conv. (cfs)	74162610.0	20001030.0	160403300.0
Length Wtd. (ft)	45.86	Wetted Per. (ft)	2465.58	369.73	5223.51
Min Ch El (ft)	576.14	Shear (lb/sq ft)	0.11	0.15	0.11

Alpha	1.01	Stream Power (lb/ft s)	0.10	0.17	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	16960.73	5408.48	31022.44
C & E Loss (ft)		Cum SA (acres)	146.21	30.20	220.67

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 8173.28*

INPUT
Description:
Station Elevation Data num= 60

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	714.76	110.71	715.27	449.89	685.65	506.12	674.08	516.67	673.33
562.36	672.8	922.62	626.73	956.01	622.86	1144.05	617.76	1293.42	614.79
1476.19	611.14	1574.6	608.48	1687.07	602.38	1912.02	602.38	2024.49	594.76
2066.67	594.76	2080.73	594.31	2136.96	600.11	2140.48	600	2361.9	600
2450	575.95	2600	575.95	2723.81	600	3079.04	602.38	3180.53	604.76
3370.83	606.04	3535.76	608.55	4144.72	613.72	4266.71	616.19	4347.71	618.93
4714.65	629.2	4753.69	629.77	5063.05	634.29	5159.66	632.96	5362.65	629.91
5411.45	628.54	5510.99	627.7	5616.39	628.96	5660.3	629.86	5717.88	629.42
5859.39	629	5971.62	629.52	6058.47	629.52	6073.11	630.27	6207.78	636.62
6377.59	635.95	6456.64	634.56	6580.58	636.65	6732.82	641.89	6783.57	646.5
6834.31	647.77	6854.81	648.48	6954.35	648.48	7004.12	643.14	7103.66	643.14
7189.54	651.63	7595.52	708.41	7651.15	713.9	7900	713.9	7900	715.43

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2361.9	.15	2723.81	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2361.9	2723.81	45.86	45.86	45.86	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.50	Reach Len. (ft)	45.86	45.86	45.86
Crit W.S. (ft)		Flow Area (sq ft)	294792.90	64241.39	655626.10
E.G. Slope (ft/ft)	0.000014	Area (sq ft)	294792.90	64241.39	655626.10
Q Total (cfs)	943627.10	Flow (cfs)	266520.70	73781.10	603325.40
Top Width (ft)	7900.00	Top Width (ft)	2361.90	361.91	5176.19
Vel Total (ft/s)	0.93	Avg. Vel. (ft/s)	0.90	1.15	0.92
Max Chl Dpth (ft)	184.55	Hydr. Depth (ft)	124.81	177.51	126.66

Conv. Total (cfs)	254479900.0	Conv. (cfs)	71876010.0	19897480.0	162706400.0
Length Wtd. (ft)	45.86	Wetted Per. (ft)	2414.20	367.45	5228.65
Min Ch El (ft)	575.95	Shear (lb/sq ft)	0.10	0.15	0.11
Alpha	1.01	Stream Power (lb/ft s)	0.09	0.17	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	16646.09	5340.66	30335.27
C & E Loss (ft)		Cum SA (acres)	143.70	29.82	215.22

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 8127.42*

INPUT
Description:
Station Elevation Data num= 60

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	713.81	108.26	713.72	439.91	688.52	494.9	677.26	505.21	676.67
549.89	676.24	902.16	628.41	934.81	624.29	1118.68	618.87	1264.74	615.43
1443.45	611.21	1539.68	608.38	1649.66	601.9	1869.61	601.9	1979.59	593.81
2020.83	593.81	2034.58	593.45	2089.57	600.09	2093.01	600	2309.52	600
2400	575.76	2550	575.76	2669.05	600	3024.6	601.9	3126.19	603.81
3316.67	604.83	3481.75	607.2	4091.27	612.71	4213.37	614.95	4294.44	617.62
4661.72	627.96	4700.79	628.51	5010.44	632.83	5107.14	631.27	5310.32	627.78
5359.16	626.43	5458.79	625.76	5564.29	627.33	5608.24	628.29	5665.87	627.82
5807.51	627.2	5919.84	627.62	6006.78	627.62	6021.43	628.41	6156.23	635.29
6326.19	634.76	6405.31	633.65	6529.37	636.44	6681.75	642.01	6732.54	646.15
6783.33	647.63	6803.85	648.38	6903.48	648.38	6953.3	642.71	7052.93	642.71
7138.89	651.73	7545.24	707.68	7600.92	713.52	7850	713.52	7850	715.14

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2309.52	.15	2669.05	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2309.52	2669.05	45.86	45.86	45.86	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.50	Reach Len. (ft)	45.86	45.86	45.86
Crit W.S. (ft)		Flow Area (sq ft)	286731.80	63878.49	661472.50
E.G. Slope (ft/ft)	0.000014	Area (sq ft)	286731.80	63878.49	661472.50
Q Total (cfs)	943624.30	Flow (cfs)	258197.90	73404.85	612021.60

Top Width (ft)	7850.00	Top Width (ft)	2309.52	359.53	5180.95
Vel Total (ft/s)	0.93	Avg. Vel. (ft/s)	0.90	1.15	0.93
Max Chl Dpth (ft)	184.74	Hydr. Depth (ft)	124.15	177.67	127.67
Conv. Total (cfs)	254435500.0	Conv. (cfs)	69619580.0	19792620.0	165023300.0
Length Wtd. (ft)	45.86	Wetted Per. (ft)	2362.92	365.16	5233.80
Min Ch El (ft)	575.76	Shear (lb/sq ft)	0.10	0.15	0.11
Alpha	1.01	Stream Power (lb/ft s)	0.09	0.17	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	16339.98	5273.21	29641.95
C & E Loss (ft)		Cum SA (acres)	141.24	29.44	209.77

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 8081.57*

INPUT
Description:
Station Elevation Data num= 60

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	712.86	105.8	712.18	429.93	691.39	483.67	680.45	493.75	680
537.42	679.68	881.7	630.08	913.61	625.71	1093.3	619.98	1236.05	616.07
1410.71	611.29	1504.76	608.29	1612.24	601.43	1827.21	601.43	1934.69	592.86
1975	592.86	1988.44	592.59	2042.18	600.07	2045.54	600	2257.14	600
2350	575.57	2500	575.57	2614.29	600	2970.17	601.43	3071.85	602.86
3262.5	603.62	3427.73	605.86	4037.82	611.69	4160.03	613.72	4241.18	616.3
4608.79	626.72	4647.9	627.24	4957.83	631.37	5054.62	629.58	5257.98	625.65
5306.87	624.32	5406.59	623.82	5512.19	625.71	5556.18	626.71	5613.87	626.22
5755.63	625.4	5868.07	625.71	5955.08	625.71	5969.75	626.55	6104.67	633.97
6274.79	633.57	6353.98	632.74	6478.15	636.23	6630.67	642.13	6681.51	645.81
6732.35	647.49	6752.88	648.29	6852.61	648.29	6902.47	642.29	7002.2	642.29
7088.24	651.83	7494.96	706.96	7550.69	713.14	7800	713.14	7800	714.86

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2257.14	.15	2614.29	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2257.14	2614.29	45.86	45.86	45.86	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.49	Reach Len. (ft)	45.86	45.86	45.86

Crit W.S. (ft)		Flow Area (sq ft)	278736.90	63515.43	667326.20
E.G. Slope (ft/ft)	0.000014	Area (sq ft)	278736.90	63515.43	667326.20
Q Total (cfs)	943621.60	Flow (cfs)	249935.00	73014.75	620671.90
Top Width (ft)	7800.00	Top Width (ft)	2257.14	357.15	5185.71
Vel Total (ft/s)	0.93	Avg. Vel. (ft/s)	0.90	1.15	0.93
Max Chl Dpth (ft)	184.92	Hydr. Depth (ft)	123.49	177.84	128.69
Conv. Total (cfs)	254432000.0	Conv. (cfs)	67390860.0	19687230.0	167354000.0
Length Wtd. (ft)	45.86	Wetted Per. (ft)	2311.75	362.89	5238.99
Min Ch El (ft)	575.57	Shear (lb/sq ft)	0.10	0.15	0.11
Alpha	1.01	Stream Power (lb/ft s)	0.09	0.17	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	16042.32	5206.15	28942.47
C & E Loss (ft)		Cum SA (acres)	138.83	29.06	204.32

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 8035.71*

INPUT
Description:
Station Elevation Data num= 60

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	711.9	103.35	710.63	419.95	694.26	472.45	683.63	482.29	683.33
524.94	683.12	861.24	631.75	892.4	627.14	1067.93	621.09	1207.37	616.71
1377.98	611.36	1469.84	608.19	1574.83	600.95	1784.81	600.95	1889.8	591.9
1929.17	591.9	1942.29	591.72	1994.78	600.05	1998.07	600	2204.76	600
2300	575.38	2450	575.38	2559.52	600	2915.73	600.95	3017.51	601.9
3208.33	602.41	3373.72	604.52	3984.36	610.67	4106.69	612.48	4187.91	614.98
4555.86	625.48	4595	625.98	4905.22	629.92	5002.1	627.88	5205.65	623.52
5254.58	622.22	5354.4	621.88	5460.08	624.08	5504.12	625.14	5561.86	624.62
5703.75	623.6	5816.29	623.81	5903.39	623.81	5918.07	624.7	6053.11	632.65
6223.39	632.38	6302.66	631.82	6426.94	636.02	6579.6	642.25	6630.49	645.47
6681.37	647.35	6701.92	648.19	6801.74	648.19	6851.65	641.86	6951.47	641.86
7037.58	651.93	7444.68	706.24	7500.46	712.76	7750	712.76	7750	714.57

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2204.76	.15	2559.52	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2204.76	2559.52	45.86	45.86	45.86	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.49	Reach Len. (ft)	45.86	45.86	45.86
Crit W.S. (ft)		Flow Area (sq ft)	270819.50	63150.13	673194.80
E.G. Slope (ft/ft)	0.000014	Area (sq ft)	270819.50	63150.13	673194.80
Q Total (cfs)	943618.80	Flow (cfs)	241745.40	72606.35	629267.10
Top Width (ft)	7750.00	Top Width (ft)	2204.76	354.76	5190.48
Vel Total (ft/s)	0.94	Avg. Vel. (ft/s)	0.89	1.15	0.93
Max Chl Dpth (ft)	185.11	Hydr. Depth (ft)	122.83	178.01	129.70
Conv. Total (cfs)	254475900.0	Conv. (cfs)	65194080.0	19580540.0	169701200.0
Length Wtd. (ft)	45.86	Wetted Per. (ft)	2260.70	360.62	5244.21
Min Ch El (ft)	575.38	Shear (lb/sq ft)	0.10	0.15	0.11
Alpha	1.01	Stream Power (lb/ft s)	0.09	0.17	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	15753.03	5139.48	28236.82
C & E Loss (ft)		Cum SA (acres)	136.48	28.69	198.85

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 7989.85*

INPUT
Description:
Station Elevation Data num= 60

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	710.95	100.89	709.08	409.98	697.13	461.22	686.82	470.83	686.67
512.47	686.56	840.77	633.42	871.2	628.57	1042.56	622.2	1178.68	617.36
1345.24	611.43	1434.92	608.1	1537.42	600.48	1742.4	600.48	1844.9	590.95
1883.33	590.95	1896.15	590.86	1947.39	600.02	1950.6	600	2152.38	600
2250	575.19	2400	575.19	2504.76	600	2861.3	600.48	2963.17	600.95
3154.17	601.21	3319.7	603.18	3930.91	609.66	4053.34	611.24	4134.64	613.67
4502.93	624.24	4542.11	624.71	4852.61	628.46	4949.58	626.19	5153.31	621.39
5202.29	620.11	5302.2	619.94	5407.98	622.45	5452.06	623.57	5509.85	623.02
5651.88	621.8	5764.52	621.9	5851.69	621.9	5866.39	622.84	6001.56	631.32
6171.99	631.19	6251.33	630.91	6375.72	635.81	6528.53	642.37	6579.46	645.12
6630.39	647.21	6650.96	648.1	6750.87	648.1	6800.82	641.43	6900.73	641.43
6986.93	652.04	7394.4	705.51	7450.23	712.38	7700	712.38	7700	714.29

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2152.38	.15	2504.76	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2152.38	2504.76	45.86	45.86	45.86	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.49	Reach Len. (ft)	45.86	45.86	45.86
Crit W.S. (ft)		Flow Area (sq ft)	262963.60	62786.15	679064.50
E.G. Slope (ft/ft)	0.000014	Area (sq ft)	262963.60	62786.15	679064.50
Q Total (cfs)	943616.10	Flow (cfs)	233620.20	72186.82	637809.10
Top Width (ft)	7700.00	Top Width (ft)	2152.38	352.38	5195.24
Vel Total (ft/s)	0.94	Avg. Vel. (ft/s)	0.89	1.15	0.94
Max Chl Dpth (ft)	185.30	Hydr. Depth (ft)	122.17	178.18	130.71
Conv. Total (cfs)	254556500.0	Conv. (cfs)	63023030.0	19473630.0	172059900.0
Length Wtd. (ft)	45.86	Wetted Per. (ft)	2209.77	358.38	5249.45
Min Ch El (ft)	575.19	Shear (lb/sq ft)	0.10	0.15	0.11
Alpha	1.01	Stream Power (lb/ft s)	0.09	0.17	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	15472.04	5073.19	27524.99
C & E Loss (ft)		Cum SA (acres)	134.19	28.32	193.39

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 7944

INPUT
Description:
Station Elevation Data num= 34

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	710	400	700	450	690	500	690	850	630
1150	618	1400	608	1500	600	1700	600	1800	590
1850	590	1900	600	2100	600	2200	575	2350	575
2450	600	3100	600	4000	610	4450	623	4800	627
5150	618	5250	618	5400	622	5600	620	5800	620
5950	630	6200	630	6600	648	6700	648	6750	641
6850	641	7400	712	7650	712	7650	714		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2100	.15	2450	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2100	2450	57.54	57.54	57.54	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.50	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.49	Reach Len. (ft)	57.54	57.54	57.54
Crit W.S. (ft)		Flow Area (sq ft)	255180.00	62421.66	684950.40
E.G. Slope (ft/ft)	0.000014	Area (sq ft)	255180.00	62421.66	684950.40
Q Total (cfs)	943613.30	Flow (cfs)	225568.80	71751.38	646293.10
Top Width (ft)	7650.00	Top Width (ft)	2100.00	350.00	5200.00
Vel Total (ft/s)	0.94	Avg. Vel. (ft/s)	0.88	1.15	0.94
Max Chl Dpth (ft)	185.49	Hydr. Depth (ft)	121.51	178.35	131.72
Conv. Total (cfs)	254683200.0	Conv. (cfs)	60881500.0	19365850.0	174435900.0
Length Wtd. (ft)	57.54	Wetted Per. (ft)	2158.96	356.16	5254.73
Min Ch El (ft)	575.00	Shear (lb/sq ft)	0.10	0.15	0.11
Alpha	1.01	Stream Power (lb/ft s)	0.09	0.17	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	15199.29	5007.28	26806.97
C & E Loss (ft)		Cum SA (acres)	131.95	27.95	187.91

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 7886.4*

INPUT
Description:
Station Elevation Data num= 51

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	710.4	234.18	703.95	395.87	700.01	409.81	697.37	439.08	691.18
445.36	689.98	494.84	689.84	841.23	632.86	907.44	630.17	936.71	627.73
1053.8	623.31	1138.13	619.65	1170.89	618.23	1287.98	613.81	1385.56	610.97
1405.07	609.66	1484.52	603.23	1682.46	602.16	1781.43	592.28	1830.91	592.01
1880.4	601.08	2078.33	600	2183.33	574.87	2330	574.87	2396	590
2440	600	3071.25	600	3945.29	609.33	4382.31	621.47	4494.24	622.7
4722.21	625.38	5062.12	617.24	5159.23	617.32	5304.9	621.16	5350.17	620.76
5499.13	619.33	5693.37	619.33	5839.04	628.67	5863.73	628.67	6034.92	628
6081.83	628	6377.29	640.78	6470.29	644.98	6567.4	645.17	6615.96	638.73
6713.08	638.92	6719.66	639.75	7147.63	699.51	7247.21	711.87	7490	711.87

```
    7490  713.73

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2078.33     .15    2440     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2078.33    2440            57.54   57.54   57.54             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.50    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.01    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.49    Reach Len. (ft)            57.54      57.54
  57.54
  Crit W.S. (ft)                      Flow Area (sq ft)       249599.30   64428.30
669847.80
  E.G. Slope (ft/ft)      0.000014    Area (sq ft)            249599.30   64428.30
669847.80
  Q Total (cfs)           943609.90    Flow (cfs)              222660.40   75334.75
 645614.70
  Top Width (ft)           7490.00    Top Width (ft)           2078.33     361.67
5050.00
  Vel Total (ft/s)            0.96    Avg. Vel. (ft/s)            0.89       1.17
   0.96
  Max Chl Dpth (ft)         185.62    Hydr. Depth (ft)          120.10     178.14
 132.64
  Conv. Total (cfs)       250427200.0    Conv. (cfs)             59092450.0
19993290.0   171341400.0
  Length Wtd. (ft)           57.54    Wetted Per. (ft)         2136.32     367.47
5105.08
  Min Ch El (ft)            574.87    Shear (lb/sq ft)            0.10       0.16
   0.12
  Alpha                       1.01    Stream Power (lb/ft s)      0.09       0.18
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14865.90    4923.50
25912.17
  C & E Loss (ft)                     Cum SA (acres)            129.19      27.48
 181.14



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7828.8*

INPUT
Description:
Station Elevation Data    num=      51
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   710.8  231.74  703.81  391.75  700.02  405.54  697.56  434.51   691.1
  440.71  689.96  489.68  689.68  832.46  635.71  897.98  633.01  926.95  629.32
 1042.82  625.22 1126.27  621.31 1158.69  619.79 1274.55  615.68 1371.11  613.93
 1390.42   612.9 1469.05  606.47 1664.92  604.31 1762.86  594.57 1811.83  594.03
 1860.79  602.16 2056.67     600 2166.67  574.73    2310  574.73    2382     590
```

```
    2430     600  3042.5     600 3890.58  608.67 4314.62  619.93 4423.22  621.07
 4644.42  623.76 4974.23  616.48 5068.46  616.64 5209.81  620.33 5253.73     620
 5398.27  618.67 5586.73  618.67 5728.08  627.33 5752.03  627.33 5918.14     626
 5963.65     626 6250.34  637.87 6340.58  641.96 6434.81  642.34 6481.92  636.46
 6576.15  636.84 6582.54  637.63  6997.8  700.26 7094.42  711.73    7330  711.73
    7330  713.47

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2056.67     .15    2430     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2056.67    2430            57.54   57.54   57.54             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.50    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.49    Reach Len. (ft)             57.54      57.54
  57.54
  Crit W.S. (ft)                      Flow Area (sq ft)       244080.90   66435.85
654462.10
  E.G. Slope (ft/ft)      0.000015    Area (sq ft)            244080.90   66435.85
654462.10
  Q Total (cfs)           943606.60    Flow (cfs)              219845.90   79064.73
 644696.00
  Top Width (ft)           7330.00    Top Width (ft)           2056.67     373.33
4900.00
  Vel Total (ft/s)            0.98    Avg. Vel. (ft/s)            0.90       1.19
   0.99
  Max Chl Dpth (ft)         185.76    Hydr. Depth (ft)          118.68     177.95
 133.56
  Conv. Total (cfs)       246087000.0    Conv. (cfs)             57334500.0
20619610.0   168132900.0
  Length Wtd. (ft)           57.54    Wetted Per. (ft)         2113.81     378.83
4955.51
  Min Ch El (ft)            574.73    Shear (lb/sq ft)            0.11       0.16
   0.12
  Alpha                       1.02    Stream Power (lb/ft s)      0.10       0.19
   0.12
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14539.84    4837.06
25037.51
  C & E Loss (ft)                     Cum SA (acres)            126.46      26.99
 174.57



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7771.2*

INPUT
Description:
Station Elevation Data    num=      51
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
```

0	711.2	229.3	703.67	387.62	700.03	401.27	697.75	429.93	691.01
436.07	689.95	484.52	689.52	823.69	638.57	888.52	635.86	917.18	630.91
1031.83	627.13	1114.4	622.96	1146.48	621.34	1261.13	617.55	1356.67	616.9
1375.77	616.14	1453.57	609.7	1647.38	606.47	1744.29	596.85	1792.74	596.04
1841.19	603.23	2035	600	2150	574.6	2290	574.6	2368	590
2420	600	3013.75	600	3835.87	608	4246.92	618.4	4352.2	619.45
4566.63	622.13	4886.35	615.73	4977.69	615.95	5114.71	619.49	5157.29	619.23
5297.4	618	5480.1	618	5617.12	626	5640.34	626	5801.36	624
5845.48	624	6123.39	634.95	6210.87	638.94	6302.21	639.51	6347.88	634.19
6439.23	634.76	6445.42	635.5	6847.97	701.01	6941.63	711.6	7170	711.6
7170	713.2								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2035	.15	2420	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2035	2420	57.54	57.54	57.54	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.50	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.48	Reach Len. (ft)	57.54	57.54	57.54
Crit W.S. (ft)		Flow Area (sq ft)	238623.00	68443.40	638808.40
E.G. Slope (ft/ft)	0.000015	Area (sq ft)	238623.00	68443.40	638808.40
Q Total (cfs)	943603.40	Flow (cfs)	217120.80	82949.53	643533.00
Top Width (ft)	7170.00	Top Width (ft)	2035.00	385.00	4750.00
Vel Total (ft/s)	1.00	Avg. Vel. (ft/s)	0.91	1.21	1.01
Max Chl Dpth (ft)	185.88	Hydr. Depth (ft)	117.26	177.78	134.49
Conv. Total (cfs)	241667400.0	Conv. (cfs)	55607080.0	21244310.0	164816000.0
Length Wtd. (ft)	57.54	Wetted Per. (ft)	2091.42	390.23	4805.99
Min Ch El (ft)	574.60	Shear (lb/sq ft)	0.11	0.17	0.13
Alpha	1.02	Stream Power (lb/ft s)	0.10	0.20	0.13
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	14221.03	4747.98	24183.35
C & E Loss (ft)		Cum SA (acres)	123.76	26.49	168.20

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 7713.6*

INPUT
Description:
Station Elevation Data num= 51

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	711.6	226.85	703.53	383.49	700.04	397	697.93	425.35	690.93
431.43	689.93	479.37	689.37	814.92	641.42	879.06	638.7	907.42	632.5
1020.85	629.03	1102.54	624.61	1134.27	622.9	1247.7	619.43	1342.22	619.87
1361.13	619.38	1438.1	612.94	1629.84	608.62	1725.71	599.13	1773.65	598.06
1821.59	604.31	2013.33	600	2133.33	574.47	2270	574.47	2354	590
2410	600	2985	600	3781.15	607.33	4179.23	616.87	4281.19	617.83
4488.85	620.51	4798.46	614.97	4886.92	615.27	5019.62	618.66	5060.85	618.46
5196.54	617.33	5373.46	617.33	5506.15	624.67	5528.64	624.67	5684.58	622
5727.31	622	5996.44	632.04	6081.15	635.92	6169.62	636.68	6213.85	631.93
6302.31	632.68	6308.31	633.38	6698.14	701.76	6788.85	711.47	7010	711.47
7010	712.93								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2013.33	.15	2410	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2013.33	2410	57.54	57.54	57.54	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.50	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.48	Reach Len. (ft)	57.54	57.54	57.54
Crit W.S. (ft)		Flow Area (sq ft)	233224.40	70451.41	622870.50
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	233224.40	70451.41	622870.50
Q Total (cfs)	943600.30	Flow (cfs)	214491.80	87007.53	642101.00
Top Width (ft)	7010.00	Top Width (ft)	2013.33	396.67	4600.00
Vel Total (ft/s)	1.02	Avg. Vel. (ft/s)	0.92	1.24	1.03
Max Chl Dpth (ft)	186.01	Hydr. Depth (ft)	115.84	177.61	135.41
Conv. Total (cfs)	237160200.0	Conv. (cfs)	53909390.0	21868080.0	161382800.0
Length Wtd. (ft)	57.54	Wetted Per. (ft)	2069.16	401.67	4656.55
Min Ch El (ft)	574.47	Shear (lb/sq ft)	0.11	0.17	0.13
Alpha	1.02	Stream Power (lb/ft s)	0.10	0.21	0.14
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	13909.39	4656.24	23350.05
C & E Loss (ft)		Cum SA (acres)	121.09	25.98	162.02

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 7656.*

INPUT
Description:
Station Elevation Data num= 51

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	712	224.41	703.39	379.37	700.05	392.72	698.12	420.77	690.85
426.79	689.91	474.21	689.21	806.15	644.28	869.6	641.55	897.65	634.09
1009.86	630.94	1090.67	626.27	1122.07	624.45	1234.27	621.3	1327.78	622.83
1346.48	622.62	1422.62	616.17	1612.3	610.78	1707.14	601.42	1754.56	600.07
1801.98	605.39	1991.67	600	2116.67	574.33	2250	574.33	2340	590
2400	600	2956.25	600	3726.44	606.67	4111.54	615.33	4210.17	616.21
4411.06	618.89	4710.58	614.21	4796.15	614.59	4924.52	617.82	4964.41	617.69
5095.67	616.67	5266.83	616.67	5395.19	623.33	5416.95	623.33	5567.8	620
5609.13	620	5869.49	629.13	5951.44	632.91	6037.02	633.85	6079.81	629.66
6165.38	630.6	6171.19	631.25	6548.31	702.51	6636.06	711.33	6850	711.33
6850	712.67								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1991.67	.15	2400	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1991.67	2400	57.54	57.54	57.54	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.50	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.48	Reach Len. (ft)	57.54	57.54	57.54
Crit W.S. (ft)		Flow Area (sq ft)	227888.90	72460.44	606656.40
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	227888.90	72460.44	606656.40
Q Total (cfs)	943597.10	Flow (cfs)	211962.10	91254.72	640380.30
Top Width (ft)	6850.00	Top Width (ft)	1991.67	408.33	4450.00
Vel Total (ft/s)	1.04	Avg. Vel. (ft/s)	0.93	1.26	1.06
Max Chl Dpth (ft)	186.15	Hydr. Depth (ft)	114.42	177.46	136.33
Conv. Total (cfs)	232569400.0	Conv. (cfs)	52242510.0	22491650.0	157835200.0
Length Wtd. (ft)	57.54	Wetted Per. (ft)	2047.05	413.12	4507.20
Min Ch El (ft)	574.33	Shear (lb/sq ft)	0.11	0.18	0.14
Alpha	1.02	Stream Power (lb/ft s)	0.11	0.23	0.15
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	13604.84	4561.86	22537.98
C & E Loss (ft)		Cum SA (acres)	118.44	25.44	156.05

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 7598.4*

INPUT
Description:
Station Elevation Data num= 51

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	712.4	221.97	703.25	375.24	700.06	388.45	698.31	416.2	690.76
422.14	689.89	469.05	689.05	797.38	647.13	860.14	644.39	887.89	635.68
998.87	632.85	1078.81	627.92	1109.86	626.01	1220.85	623.17	1313.33	625.8
1331.83	625.85	1407.14	619.4	1594.76	612.94	1688.57	603.7	1735.48	602.08
1782.38	606.47	1970	600	2100	574.2	2230	574.2	2326	590
2390	600	2927.5	600	3671.73	606	4043.85	613.8	4139.15	614.59
4333.27	617.27	4622.69	613.45	4705.38	613.91	4829.42	616.99	4867.97	616.92
4994.81	616	5160.19	616	5284.23	622	5305.25	622	5451.02	618
5490.96	618	5742.54	626.21	5821.73	629.89	5904.42	631.02	5945.77	627.39
6028.46	628.52	6034.07	629.13	6398.47	703.26	6483.27	711.2	6690	711.2
6690	712.4								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1970	.15	2390	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1970	2390	57.54	57.54	57.54	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.49	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.48	Reach Len. (ft)	57.54	57.54	57.54
Crit W.S. (ft)		Flow Area (sq ft)	222616.00	74469.40	590167.10
E.G. Slope (ft/ft)	0.000017	Area (sq ft)	222616.00	74469.40	590167.10
Q Total (cfs)	943594.10	Flow (cfs)	209536.10	95704.18	638353.80
Top Width (ft)	6690.00	Top Width (ft)	1970.00	420.00	4300.00
Vel Total (ft/s)	1.06	Avg. Vel. (ft/s)	0.94	1.29	1.08
Max Chl Dpth (ft)	186.28	Hydr. Depth (ft)	113.00	177.31	137.25
Conv. Total (cfs)	227893700.0	Conv. (cfs)	50606460.0	23114150.0	154173100.0
Length Wtd. (ft)	57.54	Wetted Per. (ft)	2025.06	424.60	4357.93
Min Ch El (ft)	574.20	Shear (lb/sq ft)	0.12	0.19	0.14
Alpha	1.02	Stream Power (lb/ft s)	0.11	0.24	0.16

Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	13307.30	4464.81	21747.52
C & E Loss (ft)		Cum SA (acres)	115.82	24.90	150.27

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 7540.8*

INPUT
Description:
Station Elevation Data num= 51

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	712.8	219.53	703.11	371.11	700.07	384.18	698.5	411.62	690.68
417.5	689.88	463.89	688.89	788.61	649.99	850.68	647.24	878.12	637.28
987.89	634.75	1066.94	629.57	1097.65	627.56	1207.42	625.04	1298.89	628.77
1317.18	629.09	1391.67	622.64	1577.22	615.09	1670	605.99	1716.39	604.1
1762.78	607.55	1948.33	600	2083.33	574.07	2210	574.07	2312	590
2380	600	2898.75	600	3617.02	605.33	3976.15	612.27	4068.14	612.97
4255.48	615.64	4534.81	612.7	4614.62	613.23	4734.33	616.15	4771.53	616.15
4893.94	615.33	5053.56	615.33	5173.27	620.67	5193.56	620.67	5334.24	616
5372.79	616	5615.59	623.3	5692.02	626.87	5771.83	628.19	5811.73	625.12
5891.54	626.44	5896.95	627	6248.64	704.01	6330.48	711.07	6530	711.07
6530	712.13								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1948.33	.15	2380	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1948.33	2380	57.54	57.54	57.54	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.49	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150	
W.S. Elev (ft)	760.47	Reach Len. (ft)	57.54	57.54	57.54	
Crit W.S. (ft)		Flow Area (sq ft)	217400.70	76478.79	573402.40	
E.G. Slope (ft/ft)	0.000018	Area (sq ft)	217400.70	76478.79	573402.40	
Q Total (cfs)	943591.20	Flow (cfs)	207211.50	100377.50	636002.30	
Top Width (ft)	6530.00	Top Width (ft)	1948.33	431.67	4150.00	
Vel Total (ft/s)	1.09	Avg. Vel. (ft/s)	0.95	1.31	1.11	
Max Chl Dpth (ft)	186.40	Hydr. Depth (ft)	111.58	177.17	138.17	
Conv. Total (cfs)	223130400.0	Conv. (cfs)	48999170.0	23736200.0	150395000.0	
Length Wtd. (ft)	57.54	Wetted Per. (ft)	2003.20	436.11		

```
4208.76
  Min Ch El (ft)            574.07    Shear (lb/sq ft)            0.12       0.20
   0.15
  Alpha                       1.02    Stream Power (lb/ft s)      0.12       0.26
   0.17
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13016.68    4365.12
20979.02
  C & E Loss (ft)                     Cum SA (acres)            113.24      24.33
 144.69
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 7483.2*

INPUT
Description:
Station Elevation Data num= 51

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	713.2	217.09	702.97	366.98	700.08	379.91	698.69	407.04	690.59
412.86	689.86	458.73	688.73	779.84	652.84	841.22	650.08	868.36	638.87
976.9	636.66	1055.08	631.23	1085.45	629.12	1193.99	626.91	1284.44	631.73
1302.54	632.33	1376.19	625.87	1559.68	617.25	1651.43	608.27	1697.3	606.11
1743.17	608.62	1926.67	600	2066.67	573.93	2190	573.93	2298	590
2370	600	2870	600	3562.31	604.67	3908.46	610.73	3997.12	611.35
4177.69	614.02	4446.92	611.94	4523.85	612.54	4639.23	615.32	4675.08	615.38
4793.08	614.67	4946.92	614.67	5062.31	619.33	5081.86	619.33	5217.46	614
5254.62	614	5488.64	620.39	5562.31	623.85	5639.23	625.36	5677.69	622.85
5754.62	624.36	5759.83	624.88	6098.81	704.76	6177.69	710.93	6370	710.93
6370	711.87								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1926.67	.15	2370	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1926.67	2370	57.54	57.54	57.54	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.49    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.47    Reach Len. (ft)             57.54      57.54
  57.54
  Crit W.S. (ft)                      Flow Area (sq ft)       212252.10   78489.17
556356.90
  E.G. Slope (ft/ft)      0.000019    Area (sq ft)            212252.10   78489.17
556356.90
  Q Total (cfs)           943588.30    Flow (cfs)              205004.90   105297.80
  633285.70
  Top Width (ft)           6370.00    Top Width (ft)           1926.67     443.33
4000.00
  Vel Total (ft/s)            1.11    Avg. Vel. (ft/s)            0.97       1.34
   1.14
```

Max Chl Dpth (ft)	186.54	Hydr. Depth (ft)	110.17	177.04	139.09
Conv. Total (cfs)	218279400.0	Conv. (cfs)	47423580.0	24358430.0	146497400.0
Length Wtd. (ft)	57.54	Wetted Per. (ft)	1981.50	447.62	4059.71
Min Ch El (ft)	573.93	Shear (lb/sq ft)	0.12	0.20	0.16
Alpha	1.03	Stream Power (lb/ft s)	0.12	0.27	0.18
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	12732.91	4262.77	20232.85
C & E Loss (ft)		Cum SA (acres)	110.68	23.76	139.30

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 7425.6*

INPUT
Description:
Station Elevation Data num= 51

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	713.6	214.65	702.83	362.86	700.1	375.63	698.87	402.46	690.51
408.21	689.84	453.57	688.57	771.07	655.7	831.76	652.93	858.59	640.46
965.92	638.56	1043.21	632.88	1073.24	630.67	1180.56	628.78	1270	634.7
1287.89	635.57	1360.71	629.11	1542.14	619.4	1632.86	610.55	1678.21	608.13
1723.57	609.7	1905	600	2050	573.8	2170	573.8	2284	590
2360	600	2841.25	600	3507.6	604	3840.77	609.2	3926.1	609.73
4099.9	612.4	4359.04	611.18	4433.08	611.86	4544.13	614.48	4578.64	614.61
4692.21	614	4840.29	614	4951.35	618	4970.17	618	5100.68	612
5136.44	612	5361.69	617.48	5432.6	620.83	5506.63	622.53	5543.65	620.58
5617.69	622.28	5622.71	622.75	5948.98	705.51	6024.9	710.8	6210	710.8
6210	711.6								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1905	.15	2360	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1905	2360	57.54	57.54	57.54	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.49	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.47	Reach Len. (ft)	57.54	57.54	57.54
Crit W.S. (ft)		Flow Area (sq ft)	207160.10	80499.38	539037.60
E.G. Slope (ft/ft)	0.000020	Area (sq ft)	207160.10	80499.38	539037.60
Q Total (cfs)	943585.60	Flow (cfs)	202908.00	110484.60	

```
  630193.10
  Top Width (ft)           6210.00    Top Width (ft)           1905.00     455.00
3850.00
  Vel Total (ft/s)            1.14    Avg. Vel. (ft/s)            0.98       1.37
   1.17
  Max Chl Dpth (ft)         186.67    Hydr. Depth (ft)          108.75     176.92
 140.01
  Conv. Total (cfs)       213338300.0    Conv. (cfs)             45876120.0
24979820.0   142482400.0
  Length Wtd. (ft)           57.54    Wetted Per. (ft)         1959.93     459.15
3910.77
  Min Ch El (ft)            573.80    Shear (lb/sq ft)            0.13       0.21
   0.17
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.29
   0.20
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12455.90    4157.76
19509.38
  C & E Loss (ft)                     Cum SA (acres)            108.15      23.16
 134.12


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7368.*

INPUT
Description:
Station Elevation Data    num=      51
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     714  212.21  702.69  358.73  700.11  371.36  699.06  397.89  690.42
  403.57  689.82  448.41  688.41   762.3  658.55   822.3  655.77  848.83  642.05
  954.93  640.47 1031.35  634.53 1061.03  632.23 1167.14  630.65 1255.56  637.67
 1273.24  638.81 1345.24  632.34  1524.6  621.56 1614.29  612.84 1659.13  610.14
 1703.97  610.78 1883.33     600 2033.33  573.67    2150  573.67    2270     590
    2350     600  2812.5     600 3452.88  603.33 3773.08  607.67 3855.08  608.11
 4022.12  610.78 4271.15  610.42 4342.31  611.18 4449.04  613.65  4482.2  613.84
 4591.35  613.33 4733.65  613.33 4840.38  616.67 4858.47  616.67  4983.9     610
 5018.27     610 5234.75  614.56 5302.88  617.81 5374.04   619.7 5409.62  618.31
 5480.77  620.21 5485.59  620.63 5799.15  706.25 5872.12  710.67    6050  710.67
    6050  711.33

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1883.33     .15    2350     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1883.33    2350            57.54   57.54   57.54             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.49    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.46    Reach Len. (ft)             57.54      57.54
  57.54
```

```
  Crit W.S. (ft)                      Flow Area (sq ft)       202130.50   82510.05
521442.60
  E.G. Slope (ft/ft)      0.000021    Area (sq ft)            202130.50   82510.05
521442.60
  Q Total (cfs)           943582.90    Flow (cfs)              200934.00   115966.50
  626682.40
  Top Width (ft)           6050.00    Top Width (ft)           1883.33     466.67
3700.00
  Vel Total (ft/s)            1.17    Avg. Vel. (ft/s)            0.99       1.41
   1.20
  Max Chl Dpth (ft)         186.79    Hydr. Depth (ft)          107.33     176.81
 140.93
  Conv. Total (cfs)       208307600.0    Conv. (cfs)             44358670.0
25601030.0   138347900.0
  Length Wtd. (ft)           57.54    Wetted Per. (ft)         1938.51     470.69
3761.95
  Min Ch El (ft)            573.67    Shear (lb/sq ft)            0.13       0.22
   0.18
  Alpha                       1.03    Stream Power (lb/ft s)      0.13       0.32
   0.21
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12185.58    4050.10
18808.96
  C & E Loss (ft)                     Cum SA (acres)            105.64      22.55
 129.13
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 7310.4*

INPUT
Description:
Station Elevation Data num= 51

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	714.4	209.77	702.56	354.6	700.12	367.09	699.25	393.31	690.34
398.93	689.8	443.25	688.25	753.53	661.41	812.84	658.62	839.06	643.64
943.94	642.38	1019.48	636.18	1048.83	633.78	1153.71	632.52	1241.11	640.63
1258.59	642.05	1329.76	635.57	1507.06	623.72	1595.71	615.12	1640.04	612.16
1684.37	611.86	1861.67	600	2016.67	573.53	2130	573.53	2256	590
2340	600	2783.75	600	3398.17	602.67	3705.38	606.13	3784.07	606.48
3944.33	609.15	4183.27	609.67	4251.54	610.5	4353.94	612.81	4385.76	613.08
4490.48	612.67	4627.02	612.67	4729.42	615.33	4746.78	615.33	4867.12	608
4900.1	608	5107.8	611.65	5173.17	614.79	5241.44	616.87	5275.58	616.05
5343.85	618.13	5348.47	618.5	5649.32	707	5719.33	710.53	5890	710.53
5890	711.07								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1861.67	.15	2340	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1861.67	2340	57.54	57.54	57.54	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.48    Element                     Left OB    Channel
```

Right OB				
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150
0.150				
W.S. Elev (ft)	760.46	Reach Len. (ft)	57.54	57.54
57.54				
Crit W.S. (ft)		Flow Area (sq ft)	197160.70	84521.65
503568.30				
E.G. Slope (ft/ft)	0.000022	Area (sq ft)	197160.70	84521.65
503568.30				
Q Total (cfs)	943580.30	Flow (cfs)	199087.50	121777.40
622715.40				
Top Width (ft)	5890.00	Top Width (ft)	1861.67	478.33
3550.00				
Vel Total (ft/s)	1.20	Avg. Vel. (ft/s)	1.01	1.44
1.24				
Max Chl Dpth (ft)	186.93	Hydr. Depth (ft)	105.91	176.70
141.85				
Conv. Total (cfs)	203183200.0	Conv. (cfs)	42869940.0	
26222590.0	134090600.0			
Length Wtd. (ft)	57.54	Wetted Per. (ft)	1917.24	482.24
3613.30				
Min Ch El (ft)	573.53	Shear (lb/sq ft)	0.14	0.24
0.19				
Alpha	1.03	Stream Power (lb/ft s)	0.14	0.34
0.23				
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	11921.86	3939.78
18131.97				
C & E Loss (ft)		Cum SA (acres)	103.17	21.93
124.34				

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 7252.8*

INPUT
Description:
Station Elevation Data num= 51

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	714.8	207.32	702.42	350.48	700.13	362.82	699.44	388.73	690.25
394.29	689.79	438.1	688.1	744.76	664.26	803.38	661.46	829.3	645.23
932.96	644.28	1007.62	637.84	1036.62	635.34	1140.28	634.39	1226.67	643.6
1243.94	645.28	1314.29	638.81	1489.52	625.87	1577.14	617.4	1620.95	614.17
1664.76	612.94	1840	600	2000	573.4	2110	573.4	2242	590
2330	600	2755	600	3343.46	602	3637.69	604.6	3713.05	604.86
3866.54	607.53	4095.38	608.91	4160.77	609.82	4258.85	611.98	4289.32	612.31
4389.62	612	4520.38	612	4618.46	614	4635.08	614	4750.34	606
4781.92	606	4980.85	608.74	5043.46	611.77	5108.85	614.04	5141.54	613.78
5206.92	616.05	5211.36	616.38	5499.49	707.75	5566.54	710.4	5730	710.4
5730	710.8								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1840	.15	2330	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1840	2330	57.54	57.54	57.54	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.48	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.46	Reach Len. (ft)	57.54	57.54	57.54
Crit W.S. (ft)		Flow Area (sq ft)	192252.40	86532.98	485416.40
E.G. Slope (ft/ft)	0.000023	Area (sq ft)	192252.40	86532.98	485416.40
Q Total (cfs)	943577.80	Flow (cfs)	197380.40	127946.30	618251.20
Top Width (ft)	5730.00	Top Width (ft)	1840.00	490.00	3400.00
Vel Total (ft/s)	1.23	Avg. Vel. (ft/s)	1.03	1.48	1.27
Max Chl Dpth (ft)	187.06	Hydr. Depth (ft)	104.49	176.60	142.77
Conv. Total (cfs)	197964900.0	Conv. (cfs)	41410880.0	26843430.0	129710600.0
Length Wtd. (ft)	57.54	Wetted Per. (ft)	1896.11	493.80	3464.81
Min Ch El (ft)	573.40	Shear (lb/sq ft)	0.14	0.25	0.20
Alpha	1.04	Stream Power (lb/ft s)	0.15	0.37	0.25
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	11664.66	3826.80	17478.78
C & E Loss (ft)		Cum SA (acres)	100.73	21.29	119.75

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 7195.2*

INPUT
Description:
Station Elevation Data num= 51

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	715.2	204.88	702.28	346.35	700.14	358.54	699.62	384.15	690.17
389.64	689.77	432.94	687.94	735.99	667.12	793.92	664.31	819.53	646.82
921.97	646.19	995.75	639.49	1024.41	636.89	1126.85	636.26	1212.22	646.57
1229.3	648.52	1298.81	642.04	1471.98	628.03	1558.57	619.69	1601.87	616.18
1645.16	614.01	1818.33	600	1983.33	573.27	2090	573.27	2228	590
2320	600	2726.25	600	3288.75	601.33	3570	603.07	3642.03	603.24
3788.75	605.91	4007.5	608.15	4070	609.13	4163.75	611.14	4192.88	611.54
4288.75	611.33	4413.75	611.33	4507.5	612.67	4523.39	612.67	4633.56	604
4663.75	604	4853.9	605.83	4913.75	608.75	4976.25	611.21	5007.5	611.51
5070	613.97	5074.24	614.25	5349.66	708.5	5413.75	710.27	5570	710.27
5570	710.53								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1818.33	.15	2320	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1818.33	2320	57.54	57.54	57.54	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.48	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.45	Reach Len. (ft)	57.54	57.54	57.54
Crit W.S. (ft)		Flow Area (sq ft)	187405.20	88544.59	466989.90
E.G. Slope (ft/ft)	0.000024	Area (sq ft)	187405.20	88544.59	466989.90
Q Total (cfs)	943575.40	Flow (cfs)	195818.90	134514.10	613242.30
Top Width (ft)	5570.00	Top Width (ft)	1818.33	501.67	3250.00
Vel Total (ft/s)	1.27	Avg. Vel. (ft/s)	1.04	1.52	1.31
Max Chl Dpth (ft)	187.18	Hydr. Depth (ft)	103.06	176.50	143.69
Conv. Total (cfs)	192652400.0	Conv. (cfs)	39980890.0	27464120.0	125207400.0
Length Wtd. (ft)	57.54	Wetted Per. (ft)	1875.13	505.37	3316.50
Min Ch El (ft)	573.27	Shear (lb/sq ft)	0.15	0.26	0.21
Alpha	1.04	Stream Power (lb/ft s)	0.16	0.40	0.28
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	11413.91	3711.17	16849.75
C & E Loss (ft)		Cum SA (acres)	98.31	20.64	115.36

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 7137.6*

INPUT
Description:
Station Elevation Data num= 51

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	715.6	202.44	702.14	342.22	700.15	354.27	699.81	379.58	690.08
385	689.75	427.78	687.78	727.22	669.97	784.46	667.15	809.77	648.41
910.99	648.09	983.89	641.14	1012.21	638.45	1113.43	638.13	1197.78	649.53
1214.65	651.76	1283.33	645.28	1454.44	630.18	1540	621.97	1582.78	618.2
1625.56	615.09	1796.67	600	1966.67	573.13	2070	573.13	2214	590
2310	600	2697.5	600	3234.04	600.67	3502.31	601.53	3571.02	601.62
3710.96	604.29	3919.62	607.39	3979.23	608.45	4068.65	610.31	4096.44	610.77
4187.88	610.67	4307.12	610.67	4396.54	611.33	4411.7	611.33	4516.78	602

```
 4545.58     602 4726.95  602.91 4784.04  605.74 4843.65  608.38 4873.46  609.24
 4933.08  611.89 4937.12  612.12 5199.83  709.25 5260.96  710.13    5410  710.13
    5410  710.27

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1796.67     .15    2310     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1796.67    2310            57.54   57.54   57.54             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.47    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.45    Reach Len. (ft)             57.54      57.54
  57.54
  Crit W.S. (ft)                      Flow Area (sq ft)       182622.40   90557.16
448284.30
  E.G. Slope (ft/ft)      0.000025    Area (sq ft)            182622.40   90557.16
448284.30
  Q Total (cfs)           943573.10    Flow (cfs)              194420.40   141529.80
  607622.90
  Top Width (ft)           5410.00    Top Width (ft)           1796.67     513.33
3100.00
  Vel Total (ft/s)            1.31    Avg. Vel. (ft/s)            1.06       1.56
   1.36
  Max Chl Dpth (ft)         187.32    Hydr. Depth (ft)          101.64     176.41
 144.61
  Conv. Total (cfs)       187243600.0    Conv. (cfs)             38580980.0
28085310.0   120577300.0
  Length Wtd. (ft)           57.54    Wetted Per. (ft)         1854.30     516.94
3168.41
  Min Ch El (ft)            573.13    Shear (lb/sq ft)            0.16       0.28
   0.22
  Alpha                       1.04    Stream Power (lb/ft s)      0.17       0.43
   0.30
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11169.52    3592.88
16245.24
  C & E Loss (ft)                     Cum SA (acres)             95.92      19.97
 111.17



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7080

INPUT
Description:
Station Elevation Data    num=      23
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     716     200     702     350     700     375     690     775     670
     800     650     900     650    1000     640    1100     640    1200     655
    1775     600    1950     573    2050     573    2200     590    2300     600
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    3500     600    4000     610    4300     610    4400     600    4600     600
    4800     610    5050     710    5250     710

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    1775     .15    2300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          1775    2300             14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.47    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.44    Reach Len. (ft)             14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       177895.80   92569.17
429301.80
  E.G. Slope (ft/ft)      0.000027    Area (sq ft)            177895.80   92569.17
429301.80
  Q Total (cfs)           943570.90    Flow (cfs)              193186.60   149041.10
  601343.10
  Top Width (ft)           5250.00    Top Width (ft)           1775.00     525.00
2950.00
  Vel Total (ft/s)            1.35    Avg. Vel. (ft/s)            1.09       1.61
   1.40
  Max Chl Dpth (ft)         187.44    Hydr. Depth (ft)          100.22     176.32
 145.53
  Conv. Total (cfs)       181734200.0    Conv. (cfs)             37208250.0
28705710.0   115820300.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1833.63     528.53
3020.55
  Min Ch El (ft)            573.00    Shear (lb/sq ft)            0.16       0.29
   0.24
  Alpha                       1.05    Stream Power (lb/ft s)      0.18       0.47
   0.34
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10931.41    3471.93
15665.62
  C & E Loss (ft)                     Cum SA (acres)             93.56      19.28
 107.17



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7065.01*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  715.73   75.72  710.48  200.49  701.77  350.86  699.71  375.92  689.77
  378.59  689.64   643.6  676.52  757.17  670.75  757.17   670.6   776.9  669.62
  801.96  649.77  889.68  649.77  902.21  649.76  946.47  645.35 1002.45   639.8
 1022.18   639.8 1060.04  639.77  1102.7  639.76 1202.94   654.6 1249.34  650.19
```

```
 1779.36  599.92 1953.79  572.98 2053.98  572.98  2203.3  589.94 2302.84  599.92
  2924.2  600.02 3172.74  600.07 3499.22  600.07 3504.13  600.17 3835.53   606.7
 3918.37  608.34 3997.71  609.91 4296.81  609.86 4332.61  606.29  4396.5  599.99
  4595.9  600.16  4795.3  610.25 5044.54  709.71 5243.94  709.88

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1779.36     .15 2302.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1779.36 2302.84            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.47    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.44    Reach Len. (ft)             14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       178749.40   92331.13
428028.50
  E.G. Slope (ft/ft)      0.000027    Area (sq ft)            178749.40   92331.13
428028.50
  Q Total (cfs)           943570.30    Flow (cfs)              194599.50   148832.80
  600138.10
  Top Width (ft)           5243.94    Top Width (ft)           1779.36     523.48
2941.10
  Vel Total (ft/s)            1.35    Avg. Vel. (ft/s)            1.09       1.61
   1.40
  Max Chl Dpth (ft)         187.46    Hydr. Depth (ft)          100.46     176.38
 145.53
  Conv. Total (cfs)       181558000.0    Conv. (cfs)             37444060.0
28637810.0   115476200.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1838.20     527.01
3011.61
  Min Ch El (ft)            572.98    Shear (lb/sq ft)            0.16       0.30
   0.24
  Alpha                       1.05    Stream Power (lb/ft s)      0.18       0.48
   0.34
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10870.12    3440.16
15518.30
  C & E Loss (ft)                     Cum SA (acres)             92.95      19.10
 106.16



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7050.03*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  715.45    75.9  710.25  200.98  701.54  351.72  699.42  376.84  689.55
  379.51  689.41  645.17   676.4  759.03  670.51  759.03  670.21   778.8  669.24
```

```
  803.93  649.55  891.86  649.55  904.42  649.53  948.78  645.12 1004.91   639.6
 1024.69  639.59 1062.64  639.55  1105.4  639.51 1205.89   654.2 1252.39  649.81
 1783.71  599.83 1957.58  572.97 2057.95  572.97 2206.59  589.88 2305.68  599.83
 2925.16  600.05 3172.95  600.14 3498.44  600.14 3503.34  600.23 3833.73  606.64
 3916.33  608.28 3995.42  609.82 4293.61  609.72 4329.31  606.17 4393.01  599.97
  4591.8  600.31 4790.59   610.5 5039.09  709.42 5237.88  709.76

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1783.71     .15 2305.68     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1783.71 2305.68            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.47    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.44    Reach Len. (ft)             14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       179603.70   92093.09
426761.00
  E.G. Slope (ft/ft)      0.000027    Area (sq ft)            179603.70   92093.09
426761.00
  Q Total (cfs)           943569.80    Flow (cfs)              196014.80   148620.70
  598934.30
  Top Width (ft)           5237.88    Top Width (ft)           1783.71     521.97
2932.20
  Vel Total (ft/s)            1.35    Avg. Vel. (ft/s)            1.09       1.61
   1.40
  Max Chl Dpth (ft)         187.47    Hydr. Depth (ft)          100.69     176.43
 145.54
  Conv. Total (cfs)       181384800.0    Conv. (cfs)             37680410.0
28569740.0   115134600.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1842.77     525.49
3002.68
  Min Ch El (ft)            572.97    Shear (lb/sq ft)            0.16       0.30
   0.24
  Alpha                       1.05    Stream Power (lb/ft s)      0.18       0.48
   0.34
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10808.55    3408.47
15371.42
  C & E Loss (ft)                     Cum SA (acres)             92.34      18.92
 105.15



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7035.04*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
```

```
       0  715.18   76.09  710.01  201.47  701.31  352.58  699.13  377.76  689.32
  380.44  689.19  646.75  676.27  760.88  670.28  760.88  669.83  780.71  668.86
  805.89  649.32  894.03  649.32  906.63  649.29   951.1  644.89 1007.36   639.4
 1027.19  639.39 1065.23  639.32  1108.1  639.27 1208.83  653.81 1255.45  649.42
 1788.07  599.75 1961.36  572.95 2061.93  572.95 2209.89  589.81 2308.52  599.75
 2926.12  600.07 3173.16   600.2 3497.66   600.2 3502.54   600.3 3831.93  606.59
 3914.28  608.22 3993.13  609.73 4290.42  609.59 4326.01  606.06 4389.51  599.96
  4587.7  600.47 4785.89  610.76 5033.63  709.12 5231.82  709.64

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1788.07     .15 2308.52     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1788.07 2308.52            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.47    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.44    Reach Len. (ft)             14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       180462.00   91856.06
425490.10
  E.G. Slope (ft/ft)      0.000027    Area (sq ft)            180462.00   91856.06
425490.10
  Q Total (cfs)           943569.20    Flow (cfs)              197439.20   148411.30
  597718.60
  Top Width (ft)           5231.82    Top Width (ft)           1788.07     520.45
2923.30
  Vel Total (ft/s)            1.35    Avg. Vel. (ft/s)            1.09       1.62
   1.40
  Max Chl Dpth (ft)         187.49    Hydr. Depth (ft)          100.93     176.49
 145.55
  Conv. Total (cfs)       181212200.0    Conv. (cfs)             37918160.0
28502360.0   114791700.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1847.35     523.97
2993.74
  Min Ch El (ft)            572.95    Shear (lb/sq ft)            0.17       0.30
   0.24
  Alpha                       1.05    Stream Power (lb/ft s)      0.18       0.48
   0.34
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10746.68    3376.86
15224.98
  C & E Loss (ft)                     Cum SA (acres)             91.73      18.74
 104.14



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 7020.06*

INPUT
Description:
```

Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	714.91	76.27	709.78	201.96	701.08	353.44	698.84	378.68	689.1
381.37	688.96	648.32	676.14	762.73	670.05	762.73	669.44	782.61	668.48
807.85	649.09	896.21	649.09	908.83	649.06	953.42	644.66	1009.82	639.2
1029.69	639.18	1067.83	639.09	1110.8	639.02	1211.78	653.41	1258.51	649.04
1792.42	599.67	1965.15	572.94	2065.91	572.94	2213.18	589.75	2311.36	599.67
2927.08	600.09	3173.37	600.27	3496.88	600.27	3501.75	600.37	3830.13	606.54
3912.23	608.15	3990.84	609.64	4287.22	609.45	4322.71	605.94	4386.02	599.95
4583.6	600.63	4781.19	611.01	5028.17	708.83	5225.76	709.52		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1792.42	.15	2311.36	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1792.42	2311.36	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.44	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	181320.00	91616.46	424217.30
E.G. Slope (ft/ft)	0.000027	Area (sq ft)	181320.00	91616.46	424217.30
Q Total (cfs)	943568.60	Flow (cfs)	198870.10	148195.20	596503.40
Top Width (ft)	5225.76	Top Width (ft)	1792.42	518.94	2914.40
Vel Total (ft/s)	1.35	Avg. Vel. (ft/s)	1.10	1.62	1.41
Max Chl Dpth (ft)	187.50	Hydr. Depth (ft)	101.16	176.55	145.56
Conv. Total (cfs)	181037300.0	Conv. (cfs)	38156100.0	28433390.0	114447800.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	1851.93	522.45	2984.80
Min Ch El (ft)	572.94	Shear (lb/sq ft)	0.17	0.30	0.24
Alpha	1.05	Stream Power (lb/ft s)	0.18	0.48	0.34
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	10684.51	3345.33	15078.97
C & E Loss (ft)		Cum SA (acres)	91.11	18.56	103.14

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 7005.07*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	714.64	76.46	709.55	202.45	700.85	354.29	698.55	379.6	688.87
382.29	688.74	649.9	676.02	764.59	669.81	764.59	669.05	784.51	668.11
809.82	648.86	898.39	648.86	911.04	648.82	955.73	644.43	1012.27	639
1032.19	638.98	1070.42	638.86	1113.5	638.78	1214.72	653.01	1261.57	648.66
1796.78	599.58	1968.94	572.92	2069.89	572.92	2216.48	589.69	2314.2	599.58
2928.04	600.11	3173.58	600.34	3496.1	600.34	3500.96	600.44	3828.33	606.49
3910.18	608.09	3988.56	609.56	4284.03	609.31	4319.4	605.82	4382.52	599.93
4579.5	600.79	4776.49	611.26	5022.71	708.54	5219.7	709.39		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1796.78	.15	2314.2	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1796.78	2314.2	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.44	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	182180.50	91379.03	422947.30
E.G. Slope (ft/ft)	0.000027	Area (sq ft)	182180.50	91379.03	422947.30
Q Total (cfs)	943568.10	Flow (cfs)	200305.00	147983.70	595279.50
Top Width (ft)	5219.70	Top Width (ft)	1796.78	517.42	2905.50
Vel Total (ft/s)	1.35	Avg. Vel. (ft/s)	1.10	1.62	1.41
Max Chl Dpth (ft)	187.52	Hydr. Depth (ft)	101.39	176.61	145.57
Conv. Total (cfs)	180865700.0	Conv. (cfs)	38395000.0	28365910.0	114104800.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	1856.51	520.93	2975.88
Min Ch El (ft)	572.92	Shear (lb/sq ft)	0.17	0.30	0.24
Alpha	1.04	Stream Power (lb/ft s)	0.18	0.48	0.34
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	10622.05	3313.89	14933.40
C & E Loss (ft)		Cum SA (acres)	90.49	18.38	102.14

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY

REACH: PALUXY RIVER RS: 6990.09*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	714.36	76.64	709.32	202.94	700.63	355.15	698.27	380.52	688.64
383.22	688.51	651.47	675.89	766.44	669.58	766.44	668.67	786.41	667.73
811.78	648.64	900.57	648.64	913.25	648.59	958.05	644.19	1014.72	638.8
1034.7	638.77	1073.02	638.64	1116.2	638.53	1217.67	652.61	1264.63	648.27
1801.14	599.5	1972.73	572.91	2073.86	572.91	2219.77	589.63	2317.05	599.5
2929	600.14	3173.78	600.41	3495.32	600.41	3500.16	600.5	3826.54	606.44
3908.13	608.03	3986.27	609.47	4280.84	609.17	4316.1	605.71	4379.03	599.92
4575.4	600.94	4771.78	611.51	5017.26	708.25	5213.64	709.27		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1801.14	.15	2317.05	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1801.14	2317.05	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.44	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	183044.00	91138.97	421670.80
E.G. Slope (ft/ft)	0.000027	Area (sq ft)	183044.00	91138.97	421670.80
Q Total (cfs)	943567.50	Flow (cfs)	201752.10	147765.10	594050.30
Top Width (ft)	5213.64	Top Width (ft)	1801.14	515.91	2896.59
Vel Total (ft/s)	1.36	Avg. Vel. (ft/s)	1.10	1.62	1.41
Max Chl Dpth (ft)	187.53	Hydr. Depth (ft)	101.63	176.66	145.57
Conv. Total (cfs)	180691200.0	Conv. (cfs)	38635110.0	28296710.0	113759400.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	1861.11	519.41	2966.94
Min Ch El (ft)	572.91	Shear (lb/sq ft)	0.17	0.30	0.24
Alpha	1.04	Stream Power (lb/ft s)	0.18	0.48	0.34
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	10559.29	3282.52	14788.27
C & E Loss (ft)		Cum SA (acres)	89.88	18.21	101.14

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6975.10*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	714.09	76.83	709.08	203.44	700.4	356.01	697.98	381.44	688.42
384.15	688.28	653.05	675.77	768.29	669.34	768.29	668.28	788.31	667.35
813.74	648.41	902.75	648.41	915.46	648.35	960.37	643.96	1017.18	638.6
1037.2	638.57	1075.61	638.41	1118.9	638.29	1220.61	652.21	1267.69	647.89
1805.49	599.42	1976.52	572.89	2077.84	572.89	2223.07	589.57	2319.89	599.42
2929.96	600.16	3173.99	600.48	3494.54	600.48	3499.37	600.57	3824.74	606.39
3906.08	607.96	3983.98	609.38	4277.64	609.03	4312.8	605.59	4375.53	599.91
4571.31	601.1	4767.08	611.77	5011.8	707.96	5207.58	709.15		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1805.49	.15	2319.89	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1805.49	2319.89	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.44	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	183906.80	90901.62	420395.70
E.G. Slope (ft/ft)	0.000027	Area (sq ft)	183906.80	90901.62	420395.70
Q Total (cfs)	943566.90	Flow (cfs)	203201.10	147551.30	592814.40
Top Width (ft)	5207.58	Top Width (ft)	1805.49	514.40	2887.69
Vel Total (ft/s)	1.36	Avg. Vel. (ft/s)	1.10	1.62	1.41
Max Chl Dpth (ft)	187.55	Hydr. Depth (ft)	101.86	176.71	145.58
Conv. Total (cfs)	180518800.0	Conv. (cfs)	38875480.0	28228820.0	113414500.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	1865.68	517.90	2958.01
Min Ch El (ft)	572.89	Shear (lb/sq ft)	0.17	0.30	0.24
Alpha	1.04	Stream Power (lb/ft s)	0.19	0.49	0.34
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	10496.24	3251.24	14643.58
C & E Loss (ft)		Cum SA (acres)	89.26	18.03	100.15

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6960.12*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	713.82	77.01	708.85	203.93	700.17	356.87	697.69	382.36	688.19
385.07	688.06	654.63	675.64	770.15	669.11	770.15	667.89	790.22	666.97
815.71	648.18	904.92	648.18	917.67	648.11	962.69	643.73	1019.63	638.4
1039.7	638.36	1078.21	638.18	1121.6	638.05	1223.56	651.82	1270.74	647.51
1809.85	599.33	1980.3	572.88	2081.82	572.88	2226.36	589.5	2322.73	599.33
2930.92	600.18	3174.2	600.55	3493.76	600.55	3498.57	600.64	3822.94	606.34
3904.03	607.9	3981.69	609.29	4274.45	608.9	4309.5	605.47	4372.03	599.89
4567.21	601.26	4762.38	612.02	5006.34	707.66	5201.52	709.03		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1809.85	.15	2322.73	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1809.85	2322.73	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.46	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.43	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	184774.30	90662.23	419126.00
E.G. Slope (ft/ft)	0.000027	Area (sq ft)	184774.30	90662.23	419126.00
Q Total (cfs)	943566.40	Flow (cfs)	204656.90	147331.80	591577.80
Top Width (ft)	5201.52	Top Width (ft)	1809.85	512.88	2878.79
Vel Total (ft/s)	1.36	Avg. Vel. (ft/s)	1.11	1.63	1.41
Max Chl Dpth (ft)	187.55	Hydr. Depth (ft)	102.09	176.77	145.59
Conv. Total (cfs)	180349600.0	Conv. (cfs)	39117320.0	28160430.0	113071900.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	1870.28	516.37	2949.07
Min Ch El (ft)	572.88	Shear (lb/sq ft)	0.17	0.30	0.24
Alpha	1.04	Stream Power (lb/ft s)	0.19	0.49	0.34
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	10432.89	3220.04	14499.32
C & E Loss (ft)		Cum SA (acres)	88.63	17.85	99.16

Warning: The cross-section end points had to be extended vertically for the computed

water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6945.13*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	713.55	77.2	708.62	204.42	699.94	357.73	697.4	383.28	687.97
386	687.83	656.2	675.51	772	668.87	772	667.51	792.12	666.59
817.67	647.95	907.1	647.95	919.88	647.88	965	643.5	1022.09	638.19
1042.2	638.16	1080.8	637.95	1124.3	637.8	1226.5	651.42	1273.8	647.13
1814.2	599.25	1984.09	572.86	2085.8	572.86	2229.66	589.44	2325.57	599.25
2931.88	600.2	3174.41	600.61	3492.98	600.61	3497.78	600.71	3821.14	606.29
3901.98	607.84	3979.4	609.2	4271.25	608.76	4306.19	605.36	4368.54	599.88
4563.11	601.42	4757.68	612.27	5000.89	707.37	5195.45	708.91		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1814.2	.15	2325.57	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1814.2	2325.57	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.46	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.43	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	185643.10	90424.61	417856.00
E.G. Slope (ft/ft)	0.000027	Area (sq ft)	185643.10	90424.61	417856.00
Q Total (cfs)	943565.80	Flow (cfs)	206119.30	147112.50	590334.00
Top Width (ft)	5195.45	Top Width (ft)	1814.20	511.37	2869.88
Vel Total (ft/s)	1.36	Avg. Vel. (ft/s)	1.11	1.63	1.41
Max Chl Dpth (ft)	187.57	Hydr. Depth (ft)	102.33	176.83	145.60
Conv. Total (cfs)	180182000.0	Conv. (cfs)	39360240.0	28092390.0	112729300.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	1874.85	514.86	2940.13
Min Ch El (ft)	572.86	Shear (lb/sq ft)	0.17	0.30	0.24
Alpha	1.04	Stream Power (lb/ft s)	0.19	0.49	0.34
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	10369.24	3188.93	14355.50
C & E Loss (ft)		Cum SA (acres)	88.01	17.68	98.17

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6930.15*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	713.27	77.39	708.39	204.91	699.71	358.59	697.11	384.2	687.74
386.93	687.6	657.78	675.39	773.86	668.64	773.86	667.12	794.02	666.21
819.63	647.73	909.28	647.73	922.09	647.64	967.32	643.27	1024.54	637.99
1044.71	637.95	1083.4	637.73	1127	637.56	1229.45	651.02	1276.86	646.74
1818.56	599.17	1987.88	572.85	2089.77	572.85	2232.95	589.38	2328.41	599.17
2932.84	600.23	3174.62	600.68	3492.2	600.68	3496.98	600.77	3819.34	606.24
3899.94	607.77	3977.11	609.11	4268.06	608.62	4302.89	605.24	4365.04	599.87
4559.01	601.57	4752.97	612.52	4995.43	707.08	5189.39	708.79		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1818.56	.15	2328.41	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1818.56	2328.41	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.46	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.43	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	186514.00	90182.15	416581.10
E.G. Slope (ft/ft)	0.000027	Area (sq ft)	186514.00	90182.15	416581.10
Q Total (cfs)	943565.30	Flow (cfs)	207591.70	146885.40	589088.20
Top Width (ft)	5189.39	Top Width (ft)	1818.56	509.85	2860.98
Vel Total (ft/s)	1.36	Avg. Vel. (ft/s)	1.11	1.63	1.41
Max Chl Dpth (ft)	187.58	Hydr. Depth (ft)	102.56	176.88	145.61
Conv. Total (cfs)	180010400.0	Conv. (cfs)	39603670.0	28022330.0	112384400.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	1879.45	513.34	2931.20
Min Ch El (ft)	572.85	Shear (lb/sq ft)	0.17	0.30	0.24
Alpha	1.04	Stream Power (lb/ft s)	0.19	0.49	0.34
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	10305.29	3157.89	14212.12
C & E Loss (ft)		Cum SA (acres)	87.39	17.50	97.19

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6915.16*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	713	77.57	708.15	205.4	699.48	359.45	696.82	385.12	687.51
387.85	687.38	659.35	675.26	775.71	668.4	775.71	666.74	795.92	665.83
821.6	647.5	911.46	647.5	924.3	647.41	969.64	643.04	1027	637.79
1047.21	637.75	1085.99	637.5	1129.69	637.31	1232.39	650.62	1279.92	646.36
1822.92	599.08	1991.67	572.83	2093.75	572.83	2236.25	589.32	2331.25	599.08
2933.8	600.25	3174.82	600.75	3491.42	600.75	3496.19	600.84	3817.55	606.18
3897.89	607.71	3974.82	609.02	4264.87	608.48	4299.59	605.12	4361.55	599.85
4554.91	601.73	4748.27	612.77	4989.97	706.79	5183.33	708.67		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1822.92	.15	2331.25	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1822.92	2331.25	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.46	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.43	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	187390.30	89943.74	415313.10
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	187390.30	89943.74	415313.10
Q Total (cfs)	943564.80	Flow (cfs)	209070.60	146662.80	587831.40
Top Width (ft)	5183.33	Top Width (ft)	1822.92	508.33	2852.08
Vel Total (ft/s)	1.36	Avg. Vel. (ft/s)	1.12	1.63	1.42
Max Chl Dpth (ft)	187.60	Hydr. Depth (ft)	102.80	176.94	145.62
Conv. Total (cfs)	179846200.0	Conv. (cfs)	39849480.0	27954350.0	112042400.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	1884.04	511.81	2922.28
Min Ch El (ft)	572.83	Shear (lb/sq ft)	0.17	0.30	0.24
Alpha	1.04	Stream Power (lb/ft s)	0.19	0.49	0.35
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	10241.04	3126.94	14069.17

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  C & E Loss (ft)                     Cum SA (acres)            86.76      17.33
  96.20


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6900.18*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  712.73   77.76  707.92  205.89  699.25  360.31  696.53  386.04  687.29
  388.78  687.15  660.93  675.14  777.56  668.17  777.56  666.35  797.82  665.45
  823.56  647.27  913.64  647.27   926.5  647.17  971.95   642.8 1029.45  637.59
 1049.71  637.55 1088.59  637.27 1132.39  637.07 1235.34  650.22 1282.98  645.98
 1827.27     599 1995.45  572.82 2097.73  572.82 2239.55  589.25 2334.09     599
 2934.76  600.27 3175.03  600.82 3490.64  600.82 3495.39  600.91 3815.75  606.13
 3895.84  607.64 3972.53  608.93 4261.67  608.34 4296.29  605.01 4358.05  599.84
 4550.81  601.89 4743.57  613.03 4984.51   706.5 5177.27  708.55

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1827.27     .15 2334.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1827.27 2334.09            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.46    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.43    Reach Len. (ft)            14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       188262.40   89704.33
414036.60
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            188262.40   89704.33
414036.60
  Q Total (cfs)           943564.20    Flow (cfs)              210552.10   146439.90
  586572.20
  Top Width (ft)           5177.27    Top Width (ft)           1827.27     506.82
2843.18
  Vel Total (ft/s)            1.36    Avg. Vel. (ft/s)            1.12       1.63
   1.42
  Max Chl Dpth (ft)         187.61    Hydr. Depth (ft)          103.03     176.99
 145.62
  Conv. Total (cfs)       179676100.0    Conv. (cfs)             40093910.0
27885500.0   111696700.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1888.63     510.30
2913.35
  Min Ch El (ft)            572.82    Shear (lb/sq ft)            0.17       0.30
   0.24
  Alpha                       1.04    Stream Power (lb/ft s)      0.19       0.49
   0.35
```

```
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10176.49    3096.07
13926.66
  C & E Loss (ft)                     Cum SA (acres)             86.13      17.15
  95.23


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6885.19*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  712.45   77.94  707.69  206.38  699.02  361.17  696.24  386.96  687.06
  389.71  686.93   662.5  675.01  779.42  667.93  779.42  665.96  799.73  665.08
  825.52  647.05  915.81  647.05  928.71  646.94  974.27  642.57  1031.9  637.39
 1052.21  637.34 1091.18  637.05 1135.09  636.82 1238.28  649.82 1286.04  645.59
 1831.63  598.92 1999.24   572.8  2101.7   572.8 2242.84  589.19 2336.93  598.92
 2935.72   600.3 3175.24  600.89 3489.86  600.89  3494.6  600.98 3813.95  606.08
 3893.79  607.58 3970.25  608.85 4258.48  608.21 4292.98  604.89 4354.56  599.82
 4546.71  602.04 4738.86  613.28 4979.06   706.2 5171.21  708.42

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1831.63     .15 2336.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1831.63 2336.93            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.46    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.43    Reach Len. (ft)            14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       189140.80   89463.98
412760.40
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            189140.80   89463.98
412760.40
  Q Total (cfs)           943563.60    Flow (cfs)              212045.80   146214.10
  585303.80
  Top Width (ft)           5171.21    Top Width (ft)           1831.63     505.30
2834.28
  Vel Total (ft/s)            1.36    Avg. Vel. (ft/s)            1.12       1.63
   1.42
  Max Chl Dpth (ft)         187.63    Hydr. Depth (ft)          103.26     177.05
 145.63
  Conv. Total (cfs)       179507800.0    Conv. (cfs)             40340560.0
27816440.0   111350800.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1893.24     508.77
2904.43
  Min Ch El (ft)            572.80    Shear (lb/sq ft)            0.17       0.30
   0.25
```

Alpha	1.04	Stream Power (lb/ft s)	0.19	0.50	0.35
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	10111.64	3065.29	13784.59
C & E Loss (ft)		Cum SA (acres)	85.51	16.98	94.25

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6870.21*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	712.18	78.13	707.46	206.87	698.79	362.03	695.95	387.88	686.84
390.64	686.7	664.08	674.88	781.27	667.7	781.27	665.58	801.63	664.7
827.49	646.82	917.99	646.82	930.92	646.7	976.59	642.34	1034.36	637.19
1054.71	637.14	1093.78	636.82	1137.79	636.58	1241.23	649.43	1289.1	645.21
1835.98	598.83	2003.03	572.79	2105.68	572.79	2246.14	589.13	2339.77	598.83
2936.68	600.32	3175.45	600.95	3489.08	600.95	3493.8	601.04	3812.15	606.03
3891.74	607.52	3967.96	608.76	4255.28	608.07	4289.68	604.77	4351.06	599.81
4542.61	602.2	4734.16	613.53	4973.6	705.91	5165.15	708.3		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1835.98	.15	2339.77	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1835.98	2339.77	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.46	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150	
W.S. Elev (ft)	760.43	Reach Len. (ft)	14.97	14.97	14.97	
Crit W.S. (ft)		Flow Area (sq ft)	190020.10	89224.26	411494.60	
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	190020.10	89224.26	411494.60	
Q Total (cfs)	943563.10	Flow (cfs)	213539.90	145983.80	584039.40	
Top Width (ft)	5165.15	Top Width (ft)	1835.98	503.79	2825.38	
Vel Total (ft/s)	1.37	Avg. Vel. (ft/s)	1.12	1.64	1.42	
Max Chl Dpth (ft)	187.64	Hydr. Depth (ft)	103.50	177.11	145.64	
Conv. Total (cfs)	179345500.0	Conv. (cfs)	40588080.0	27747520.0	111009900.0	
Length Wtd. (ft)	14.97	Wetted Per. (ft)	1897.83	507.26	2895.50	

Min Ch El (ft)	572.79	Shear (lb/sq ft)	0.17	0.30	0.25
Alpha	1.04	Stream Power (lb/ft s)	0.19	0.50	0.35
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	10046.49	3034.58	13642.96
C & E Loss (ft)		Cum SA (acres)	84.88	16.80	93.28

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6855.22*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	711.91	78.31	707.22	207.36	698.56	362.88	695.66	388.8	686.61
391.56	686.47	665.66	674.76	783.12	667.46	783.12	665.19	803.53	664.32
829.45	646.59	920.17	646.59	933.13	646.47	978.9	642.11	1036.81	636.99
1057.22	636.93	1096.37	636.59	1140.49	636.33	1244.17	649.03	1292.15	644.83
1840.34	598.75	2006.82	572.77	2109.66	572.77	2249.43	589.07	2342.61	598.75
2937.64	600.34	3175.66	601.02	3488.3	601.02	3493.01	601.11	3810.36	605.98
3889.69	607.45	3965.67	608.67	4252.09	607.93	4286.38	604.66	4347.56	599.8
4538.51	602.36	4729.46	613.78	4968.14	705.62	5159.09	708.18		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1840.34	.15	2342.61	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1840.34	2342.61	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.46	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150	
W.S. Elev (ft)	760.43	Reach Len. (ft)	14.97	14.97	14.97	
Crit W.S. (ft)		Flow Area (sq ft)	190901.70	88983.62	410219.40	
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	190901.70	88983.62	410219.40	
Q Total (cfs)	943562.50	Flow (cfs)	215045.50	145754.60	582762.40	
Top Width (ft)	5159.09	Top Width (ft)	1840.34	502.27	2816.48	
Vel Total (ft/s)	1.37	Avg. Vel. (ft/s)	1.13	1.64	1.42	
Max Chl Dpth (ft)	187.66	Hydr. Depth (ft)	103.73	177.16	145.65	
Conv. Total (cfs)	179179300.0	Conv. (cfs)	40836400.0	27678300.0	110664600.0	

Length Wtd. (ft)	14.97	Wetted Per. (ft)	1902.43	505.73	2886.58
Min Ch El (ft)	572.77	Shear (lb/sq ft)	0.17	0.30	0.25
Alpha	1.04	Stream Power (lb/ft s)	0.20	0.50	0.35
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	9981.04	3003.96	13501.76
C & E Loss (ft)		Cum SA (acres)	84.24	16.63	92.31

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6840.24*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	711.64	78.5	706.99	207.85	698.33	363.74	695.37	389.72	686.39
392.49	686.25	667.23	674.63	784.98	667.23	784.98	664.8	805.43	663.94
831.41	646.36	922.35	646.36	935.34	646.23	981.22	641.88	1039.27	636.79
1059.72	636.73	1098.97	636.36	1143.19	636.09	1247.12	648.63	1295.21	644.44
1844.7	598.67	2010.61	572.76	2113.64	572.76	2252.73	589.01	2345.45	598.67
2938.6	600.36	3175.86	601.09	3487.52	601.09	3492.21	601.18	3808.56	605.93
3887.64	607.39	3963.38	608.58	4248.9	607.79	4283.08	604.54	4344.07	599.78
4534.41	602.52	4724.76	614.04	4962.69	705.33	5153.03	708.06		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1844.7	.15	2345.45	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1844.7	2345.45	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.46	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150	
W.S. Elev (ft)	760.43	Reach Len. (ft)	14.97	14.97	14.97	
Crit W.S. (ft)		Flow Area (sq ft)	191786.30	88740.48	408943.90	
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	191786.30	88740.48	408943.90	
Q Total (cfs)	943562.00	Flow (cfs)	216560.30	145518.70	581483.00	
Top Width (ft)	5153.03	Top Width (ft)	1844.70	500.75	2807.58	
Vel Total (ft/s)	1.37	Avg. Vel. (ft/s)	1.13	1.64	1.42	
Max Chl Dpth (ft)	187.67	Hydr. Depth (ft)	103.97	177.22	145.66	

Conv. Total (cfs)	179013200.0	Conv. (cfs)	41085950.0	27607890.0	110319300.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	1907.04	504.21	2877.65
Min Ch El (ft)	572.76	Shear (lb/sq ft)	0.17	0.31	0.25
Alpha	1.04	Stream Power (lb/ft s)	0.20	0.50	0.35
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	9915.28	2973.42	13361.00
C & E Loss (ft)		Cum SA (acres)	83.61	16.46	91.34

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6825.25*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	711.36	78.68	706.76	208.34	698.11	364.6	695.08	390.65	686.16
393.42	686.02	668.81	674.5	786.83	666.99	786.83	664.42	807.33	663.56
833.38	646.14	924.53	646.14	937.55	645.99	983.54	641.65	1041.72	636.59
1062.22	636.52	1101.56	636.14	1145.89	635.85	1250.06	648.23	1298.27	644.06
1849.05	598.58	2014.39	572.74	2117.61	572.74	2256.02	588.94	2348.3	598.58
2939.56	600.39	3176.07	601.16	3486.74	601.16	3491.42	601.24	3806.76	605.88
3885.6	607.33	3961.09	608.49	4245.7	607.65	4279.77	604.42	4340.57	599.77
4530.31	602.67	4720.05	614.29	4957.23	705.04	5146.97	707.94		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1849.05	.15	2348.3	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1849.05	2348.3	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.46	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150	
W.S. Elev (ft)	760.43	Reach Len. (ft)	14.97	14.97	14.97	
Crit W.S. (ft)		Flow Area (sq ft)	192670.80	88505.48	407668.80	
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	192670.80	88505.48	407668.80	
Q Total (cfs)	943561.40	Flow (cfs)	218075.30	145297.30	580188.80	
Top Width (ft)	5146.97	Top Width (ft)	1849.05	499.25	2798.67	
Vel Total (ft/s)	1.37	Avg. Vel. (ft/s)	1.13	1.64	1.42	

Max Chl Dpth (ft)	187.69	Hydr. Depth (ft)	104.20	177.28	145.67
Conv. Total (cfs)	178851200.0	Conv. (cfs)	41335980.0	27540970.0	109974300.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	1911.63	502.70	2868.72
Min Ch El (ft)	572.74	Shear (lb/sq ft)	0.18	0.31	0.25
Alpha	1.04	Stream Power (lb/ft s)	0.20	0.50	0.35
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	9849.22	2942.97	13220.68
C & E Loss (ft)		Cum SA (acres)	82.98	16.29	90.38

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6810.27*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	711.09	78.87	706.52	208.83	697.88	365.46	694.8	391.57	685.93
394.34	685.79	670.38	674.38	788.68	666.76	788.68	664.03	809.23	663.18
835.34	645.91	926.7	645.91	939.76	645.76	985.86	641.41	1044.17	636.39
1064.72	636.32	1104.16	635.91	1148.59	635.6	1253.01	647.83	1301.33	643.68
1853.41	598.5	2018.18	572.73	2121.59	572.73	2259.32	588.88	2351.14	598.5
2940.52	600.41	3176.28	601.23	3485.96	601.23	3490.62	601.31	3804.96	605.83
3883.55	607.26	3958.8	608.4	4242.51	607.52	4276.47	604.31	4337.08	599.76
4526.21	602.83	4715.35	614.54	4951.77	704.75	5140.91	707.82		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1853.41	.15	2351.14	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1853.41	2351.14	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.46	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.43	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	193557.30	88261.99	406392.00
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	193557.30	88261.99	406392.00
Q Total (cfs)	943560.90	Flow (cfs)	219600.50	145059.60	578900.70
Top Width (ft)	5140.91	Top Width (ft)	1853.41	497.73	2789.77

Vel Total (ft/s)	1.37	Avg. Vel. (ft/s)	1.13	1.64	1.42
Max Chl Dpth (ft)	187.70	Hydr. Depth (ft)	104.43	177.33	145.67
Conv. Total (cfs)	178685100.0	Conv. (cfs)	41586440.0	27470390.0	109628200.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	1916.25	501.18	2859.80
Min Ch El (ft)	572.73	Shear (lb/sq ft)	0.18	0.31	0.25
Alpha	1.04	Stream Power (lb/ft s)	0.20	0.50	0.35
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	9782.85	2912.59	13080.80
C & E Loss (ft)		Cum SA (acres)	82.34	16.12	89.42

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6795.28*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	710.82	79.05	706.29	209.33	697.65	366.32	694.51	392.49	685.71
395.27	685.57	671.96	674.25	790.54	666.52	790.54	663.65	811.14	662.8
837.3	645.68	928.88	645.68	941.97	645.52	988.17	641.18	1046.63	636.19
1067.23	636.11	1106.75	635.68	1151.29	635.36	1255.95	647.44	1304.39	643.29
1857.77	598.42	2021.97	572.71	2125.57	572.71	2262.61	588.82	2353.98	598.42
2941.49	600.43	3176.49	601.3	3485.18	601.3	3489.83	601.38	3803.16	605.78
3881.5	607.2	3956.51	608.31	4239.31	607.38	4273.17	604.19	4333.58	599.74
4522.11	602.99	4710.65	614.79	4946.31	704.45	5134.85	707.7		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1857.77	.15	2353.98	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1857.77	2353.98	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.46	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.42	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	194447.70	88020.77	405119.70
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	194447.70	88020.77	405119.70
Q Total (cfs)	943560.30	Flow (cfs)	221132.60	144823.00	577604.80

Top Width (ft)	5134.85	Top Width (ft)	1857.77	496.21	2780.87
Vel Total (ft/s)	1.37	Avg. Vel. (ft/s)	1.14	1.65	1.43
Max Chl Dpth (ft)	187.71	Hydr. Depth (ft)	104.67	177.39	145.68
Conv. Total (cfs)	178524000.0	Conv. (cfs)	41838840.0	27400870.0	109284300.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	1920.85	499.66	2850.87
Min Ch El (ft)	572.71	Shear (lb/sq ft)	0.18	0.31	0.25
Alpha	1.04	Stream Power (lb/ft s)	0.20	0.51	0.35
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	9716.18	2882.30	12941.36
C & E Loss (ft)		Cum SA (acres)	81.70	15.95	88.46

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6780.30*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	710.55	79.24	706.06	209.82	697.42	367.18	694.22	393.41	685.48
396.2	685.34	673.53	674.13	792.39	666.29	792.39	663.26	813.04	662.42
839.27	645.45	931.06	645.45	944.17	645.29	990.49	640.95	1049.08	635.99
1069.73	635.91	1109.35	635.45	1153.99	635.11	1258.9	647.04	1307.45	642.91
1862.12	598.33	2025.76	572.7	2129.55	572.7	2265.91	588.76	2356.82	598.33
2942.45	600.45	3176.7	601.36	3484.4	601.36	3489.03	601.45	3801.37	605.72
3879.45	607.13	3954.22	608.22	4236.12	607.24	4269.87	604.07	4330.08	599.73
4518.01	603.15	4705.94	615.04	4940.86	704.16	5128.79	707.58		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1862.12	.15	2356.82	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1862.12	2356.82	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.45	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.42	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	195338.70	87779.98	403853.60
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	195338.70	87779.98	403853.60

Q Total (cfs)	943559.80	Flow (cfs)	222665.00	144583.80	576310.90
Top Width (ft)	5128.79	Top Width (ft)	1862.12	494.70	2771.97
Vel Total (ft/s)	1.37	Avg. Vel. (ft/s)	1.14	1.65	1.43
Max Chl Dpth (ft)	187.72	Hydr. Depth (ft)	104.90	177.44	145.69
Conv. Total (cfs)	178366000.0	Conv. (cfs)	42091510.0	27331420.0	108943000.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	1925.46	498.14	2841.95
Min Ch El (ft)	572.70	Shear (lb/sq ft)	0.18	0.31	0.25
Alpha	1.04	Stream Power (lb/ft s)	0.20	0.51	0.35
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	9649.20	2852.09	12802.35
C & E Loss (ft)		Cum SA (acres)	81.06	15.78	87.51

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6765.31*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	710.27	79.42	705.83	210.31	697.19	368.04	693.93	394.33	685.26
397.12	685.12	675.11	674	794.25	666.05	794.25	662.87	814.94	662.05
841.23	645.23	933.24	645.23	946.38	645.05	992.81	640.72	1051.54	635.79
1072.23	635.7	1111.94	635.23	1156.69	634.87	1261.84	646.64	1310.51	642.53
1866.48	598.25	2029.55	572.68	2133.52	572.68	2269.2	588.7	2359.66	598.25
2943.41	600.48	3176.9	601.43	3483.62	601.43	3488.24	601.51	3799.57	605.67
3877.4	607.07	3951.94	608.13	4232.93	607.1	4266.57	603.96	4326.59	599.72
4513.92	603.3	4701.24	615.3	4935.4	703.87	5122.73	707.45		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1866.48	.15	2359.66	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1866.48	2359.66	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.45	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.42	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	196229.80	87538.31	402575.40

```
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            196229.80   87538.31
402575.40
  Q Total (cfs)           943559.30    Flow (cfs)              224208.20   144347.40
  575003.70
  Top Width (ft)           5122.73    Top Width (ft)           1866.48     493.18
2763.07
  Vel Total (ft/s)            1.37    Avg. Vel. (ft/s)            1.14       1.65
   1.43
  Max Chl Dpth (ft)         187.74    Hydr. Depth (ft)          105.13     177.50
 145.70
  Conv. Total (cfs)       178202100.0    Conv. (cfs)             42344320.0
27261690.0   108596100.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1930.08     496.62
2833.04
  Min Ch El (ft)            572.68    Shear (lb/sq ft)            0.18       0.31
   0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.20       0.51
   0.36
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9581.92    2821.97
12663.78
  C & E Loss (ft)                     Cum SA (acres)             80.42      15.61
  86.56


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6750.33*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     710   79.61  705.59   210.8  696.96   368.9  693.64  395.25  685.03
  398.05  684.89  676.68  673.87   796.1  665.82   796.1  662.49  816.84  661.67
  843.19     645  935.42     645  948.59  644.82  995.12  640.49 1053.99  635.59
 1074.73   635.5 1114.54     635 1159.39  634.62 1264.79  646.24 1313.56  642.14
 1870.83  598.17 2033.33  572.67  2137.5  572.67  2272.5  588.63  2362.5  598.17
 2944.37   600.5 3177.11   601.5 3482.84   601.5 3487.44  601.58 3797.77  605.62
 3875.35  607.01 3949.65  608.05 4229.73  606.96 4263.26  603.84 4323.09   599.7
 4509.82  603.46 4696.54  615.55 4929.94  703.58 5116.67  707.33

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1870.83     .15  2362.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1870.83  2362.5            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.45    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.42    Reach Len. (ft)            14.97      14.97
  14.97
```

```
  Crit W.S. (ft)                      Flow Area (sq ft)       197128.50   87297.23
401298.80
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            197128.50   87297.23
401298.80
  Q Total (cfs)           943558.70    Flow (cfs)              225765.80   144107.50
  573685.40
  Top Width (ft)           5116.67    Top Width (ft)           1870.83     491.67
2754.17
  Vel Total (ft/s)            1.38    Avg. Vel. (ft/s)            1.15       1.65
   1.43
  Max Chl Dpth (ft)         187.75    Hydr. Depth (ft)          105.37     177.55
 145.71
  Conv. Total (cfs)       178042400.0    Conv. (cfs)             42600290.0
27191990.0   108250100.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1934.69     495.10
2824.12
  Min Ch El (ft)            572.67    Shear (lb/sq ft)            0.18       0.31
   0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.20       0.51
   0.36
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9514.32    2791.92
12525.65
  C & E Loss (ft)                     Cum SA (acres)             79.78      15.44
  85.61


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6735.34*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  709.73    79.8  705.36  211.29  696.73  369.76  693.35  396.17   684.8
  398.98  684.66  678.26  673.75  797.95  665.59  797.95   662.1  818.74  661.29
  845.16  644.77  937.59  644.77   950.8  644.58  997.44  640.26 1056.44  635.39
 1077.24   635.3 1117.13  634.77 1162.09  634.38 1267.73  645.84 1316.62  641.76
 1875.19  598.08 2037.12  572.65 2141.48  572.65  2275.8  588.57 2365.34  598.08
 2945.33  600.52 3177.32  601.57 3482.06  601.57 3486.65  601.65 3795.97  605.57
  3873.3  606.94 3947.36  607.96 4226.54  606.82 4259.96  603.72  4319.6  599.69
 4505.72  603.62 4691.84   615.8 4924.49  703.29 5110.61  707.21

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1875.19     .15 2365.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1875.19 2365.34            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.45    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
```

W.S. Elev (ft)	760.42	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	198026.40	87056.70	400026.70
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	198026.40	87056.70	400026.70
Q Total (cfs)	943558.10	Flow (cfs)	227321.40	143868.70	572368.00
Top Width (ft)	5110.61	Top Width (ft)	1875.19	490.15	2745.27
Vel Total (ft/s)	1.38	Avg. Vel. (ft/s)	1.15	1.65	1.43
Max Chl Dpth (ft)	187.77	Hydr. Depth (ft)	105.60	177.61	145.71
Conv. Total (cfs)	177884900.0	Conv. (cfs)	42855900.0	27122940.0	107906000.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	1939.31	493.58	2815.20
Min Ch El (ft)	572.65	Shear (lb/sq ft)	0.18	0.31	0.25
Alpha	1.04	Stream Power (lb/ft s)	0.21	0.51	0.36
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	9446.42	2761.97	12387.95
C & E Loss (ft)		Cum SA (acres)	79.14	15.27	84.66

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6720.36*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	709.45	79.98	705.13	211.78	696.5	370.61	693.06	397.09	684.58
399.9	684.44	679.84	673.62	799.81	665.35	799.81	661.71	820.65	660.91
847.12	644.55	939.77	644.55	953.01	644.34	999.76	640.02	1058.9	635.19
1079.74	635.09	1119.73	634.55	1164.79	634.14	1270.68	645.45	1319.68	641.38
1879.55	598	2040.91	572.64	2145.45	572.64	2279.09	588.51	2368.18	598
2946.29	600.55	3177.53	601.64	3481.28	601.64	3485.85	601.72	3794.17	605.52
3871.25	606.88	3945.07	607.87	4223.34	606.69	4256.66	603.61	4316.1	599.68
4501.62	603.77	4687.13	616.05	4919.03	702.99	5104.55	707.09		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1879.55	.15	2368.18	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1879.55	2368.18	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.45	Element	Left OB	Channel	Right OB

Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.42	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	198923.60	86811.99	398747.60
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	198923.60	86811.99	398747.60
Q Total (cfs)	943557.60	Flow (cfs)	228886.50	143622.30	571048.80
Top Width (ft)	5104.55	Top Width (ft)	1879.55	488.63	2736.37
Vel Total (ft/s)	1.38	Avg. Vel. (ft/s)	1.15	1.65	1.43
Max Chl Dpth (ft)	187.78	Hydr. Depth (ft)	105.84	177.66	145.72
Conv. Total (cfs)	177722200.0	Conv. (cfs)	43111530.0	27051740.0	107558900.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	1943.93	492.05	2806.28
Min Ch El (ft)	572.64	Shear (lb/sq ft)	0.18	0.31	0.25
Alpha	1.04	Stream Power (lb/ft s)	0.21	0.51	0.36
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	9378.22	2732.09	12250.70
C & E Loss (ft)		Cum SA (acres)	78.49	15.10	83.72

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6705.37*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	709.18	80.17	704.9	212.27	696.27	371.47	692.77	398.01	684.35
400.83	684.21	681.41	673.5	801.66	665.12	801.66	661.33	822.55	660.53
849.08	644.32	941.95	644.32	955.22	644.11	1002.08	639.79	1061.35	634.99
1082.24	634.89	1122.32	634.32	1167.49	633.89	1273.62	645.05	1322.74	641
1883.9	597.92	2044.7	572.62	2149.43	572.62	2282.39	588.45	2371.02	597.92
2947.25	600.57	3177.74	601.7	3480.5	601.7	3485.06	601.78	3792.38	605.47
3869.21	606.82	3942.78	607.78	4220.15	606.55	4253.36	603.49	4312.61	599.66
4497.52	603.93	4682.43	616.31	4913.57	702.7	5098.48	706.97		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1883.9	.15	2371.02	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1883.9	2371.02	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.45	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.42	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	199821.90	86571.66	397475.40
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	199821.90	86571.66	397475.40
Q Total (cfs)	943557.10	Flow (cfs)	230451.00	143380.30	569725.80
Top Width (ft)	5098.48	Top Width (ft)	1883.90	487.12	2727.46
Vel Total (ft/s)	1.38	Avg. Vel. (ft/s)	1.15	1.66	1.43
Max Chl Dpth (ft)	187.80	Hydr. Depth (ft)	106.07	177.72	145.73
Conv. Total (cfs)	177565300.0	Conv. (cfs)	43367920.0	26982330.0	107215100.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	1948.55	490.54	2797.36
Min Ch El (ft)	572.62	Shear (lb/sq ft)	0.18	0.31	0.25
Alpha	1.04	Stream Power (lb/ft s)	0.21	0.52	0.36
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	9309.70	2702.30	12113.88
C & E Loss (ft)		Cum SA (acres)	77.84	14.93	82.78

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6690.39*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	708.91	80.35	704.66	212.76	696.04	372.33	692.48	398.93	684.13
401.76	683.98	682.99	673.37	803.51	664.88	803.51	660.94	824.45	660.15
851.05	644.09	944.13	644.09	957.43	643.87	1004.39	639.56	1063.81	634.78
1084.74	634.68	1124.92	634.09	1170.19	633.65	1276.57	644.65	1325.8	640.61
1888.26	597.83	2048.48	572.61	2153.41	572.61	2285.68	588.38	2373.86	597.83
2948.21	600.59	3177.94	601.77	3479.72	601.77	3484.26	601.85	3790.58	605.42
3867.16	606.75	3940.49	607.69	4216.96	606.41	4250.05	603.37	4309.11	599.65
4493.42	604.09	4677.73	616.56	4908.12	702.41	5092.42	706.85		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1888.26	.15	2373.86	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1888.26	2373.86	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.45	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.42	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	200733.40	86329.26	396202.90
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	200733.40	86329.26	396202.90
Q Total (cfs)	943556.50	Flow (cfs)	232039.10	143131.90	568385.40
Top Width (ft)	5092.42	Top Width (ft)	1888.26	485.60	2718.56
Vel Total (ft/s)	1.38	Avg. Vel. (ft/s)	1.16	1.66	1.43
Max Chl Dpth (ft)	187.81	Hydr. Depth (ft)	106.31	177.78	145.74
Conv. Total (cfs)	177412400.0	Conv. (cfs)	43629220.0	26912420.0	106870800.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	1953.17	489.01	2788.44
Min Ch El (ft)	572.61	Shear (lb/sq ft)	0.18	0.31	0.25
Alpha	1.04	Stream Power (lb/ft s)	0.21	0.52	0.36
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	9240.87	2672.59	11977.50
C & E Loss (ft)		Cum SA (acres)	77.20	14.76	81.85

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6675.40*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	708.64	80.54	704.43	213.25	695.81	373.19	692.19	399.85	683.9
402.68	683.76	684.56	673.24	805.37	664.65	805.37	660.56	826.35	659.77
853.01	643.86	946.31	643.86	959.64	643.64	1006.71	639.33	1066.26	634.58
1087.25	634.48	1127.51	633.86	1172.89	633.4	1279.51	644.25	1328.86	640.23
1892.61	597.75	2052.27	572.59	2157.39	572.59	2288.98	588.32	2376.7	597.75
2949.17	600.61	3178.15	601.84	3478.94	601.84	3483.47	601.92	3788.78	605.37
3865.11	606.69	3938.2	607.6	4213.76	606.27	4246.75	603.26	4305.61	599.64
4489.32	604.25	4673.03	616.81	4902.66	702.12	5086.36	706.73		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1892.61	.15	2376.7	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1892.61	2376.7	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.45	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.42	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	201636.10	86088.48	394925.30
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	201636.10	86088.48	394925.30
Q Total (cfs)	943555.90	Flow (cfs)	233621.00	142888.70	567046.20
Top Width (ft)	5086.36	Top Width (ft)	1892.61	484.09	2709.66
Vel Total (ft/s)	1.38	Avg. Vel. (ft/s)	1.16	1.66	1.44
Max Chl Dpth (ft)	187.83	Hydr. Depth (ft)	106.54	177.84	145.75
Conv. Total (cfs)	177254600.0	Conv. (cfs)	43887600.0	26842790.0	106524200.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	1957.78	487.50	2779.53
Min Ch El (ft)	572.59	Shear (lb/sq ft)	0.18	0.31	0.25
Alpha	1.04	Stream Power (lb/ft s)	0.21	0.52	0.36
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	9171.73	2642.96	11841.56
C & E Loss (ft)		Cum SA (acres)	76.55	14.60	80.91

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6660.42*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	708.36	80.72	704.2	213.74	695.59	374.05	691.9	400.77	683.67
403.61	683.53	686.14	673.12	807.22	664.41	807.22	660.17	828.25	659.39
854.97	643.64	948.48	643.64	961.84	643.4	1009.03	639.1	1068.72	634.38
1089.75	634.27	1130.11	633.64	1175.59	633.16	1282.46	643.85	1331.91	639.85
1896.97	597.67	2056.06	572.58	2161.36	572.58	2292.27	588.26	2379.55	597.67
2950.13	600.64	3178.36	601.91	3478.16	601.91	3482.67	601.99	3786.98	605.32
3863.06	606.62	3935.91	607.51	4210.57	606.13	4243.45	603.14	4302.12	599.62
4485.22	604.4	4668.32	617.06	4897.2	701.83	5080.3	706.61		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1896.97	.15	2379.55	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1896.97	2379.55	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.45	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.42	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	202540.30	85844.88	393646.10
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	202540.30	85844.88	393646.10
Q Total (cfs)	943555.40	Flow (cfs)	235210.30	142638.80	565706.30
Top Width (ft)	5080.30	Top Width (ft)	1896.97	482.58	2700.75
Vel Total (ft/s)	1.38	Avg. Vel. (ft/s)	1.16	1.66	1.44
Max Chl Dpth (ft)	187.84	Hydr. Depth (ft)	106.77	177.89	145.75
Conv. Total (cfs)	177095400.0	Conv. (cfs)	44146490.0	26771800.0	106177100.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	1962.41	485.99	2770.60
Min Ch El (ft)	572.58	Shear (lb/sq ft)	0.18	0.31	0.25
Alpha	1.04	Stream Power (lb/ft s)	0.21	0.52	0.36
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	9102.28	2613.42	11706.06
C & E Loss (ft)		Cum SA (acres)	75.90	14.43	79.98

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6645.43*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	708.09	80.91	703.97	214.23	695.36	374.91	691.61	401.69	683.45
404.54	683.31	687.71	672.99	809.07	664.18	809.07	659.78	830.16	659.02
856.94	643.41	950.66	643.41	964.05	643.17	1011.34	638.87	1071.17	634.18
1092.25	634.07	1132.7	633.41	1178.29	632.91	1285.4	643.46	1334.97	639.46
1901.33	597.58	2059.85	572.56	2165.34	572.56	2295.57	588.2	2382.39	597.58
2951.09	600.66	3178.57	601.98	3477.38	601.98	3481.88	602.05	3785.18	605.26
3861.01	606.56	3933.63	607.42	4207.37	606	4240.15	603.02	4298.62	599.61
4481.12	604.56	4663.62	617.31	4891.74	701.53	5074.24	706.48		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val

```
       0     .15 1901.33     .15 2382.39     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1901.33 2382.39            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.45    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.42    Reach Len. (ft)            14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       203453.20   85603.26
392376.50
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            203453.20   85603.26
392376.50
  Q Total (cfs)           943554.90    Flow (cfs)              236808.20   142389.10
  564357.50
  Top Width (ft)           5074.24    Top Width (ft)           1901.33     481.06
2691.85
  Vel Total (ft/s)            1.38    Avg. Vel. (ft/s)            1.16       1.66
   1.44
  Max Chl Dpth (ft)         187.86    Hydr. Depth (ft)          107.01     177.95
 145.76
  Conv. Total (cfs)       176944700.0    Conv. (cfs)             44408600.0
26702200.0   105833800.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1967.05     484.46
2761.70
  Min Ch El (ft)            572.56    Shear (lb/sq ft)            0.18       0.31
   0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.21       0.52
   0.36
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9032.52    2583.96
11571.00
  C & E Loss (ft)                     Cum SA (acres)             75.24      14.27
  79.06


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6630.45*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  707.82   81.09  703.73  214.72  695.13  375.77  691.33  402.61  683.22
  405.46  683.08  689.29  672.87  810.93  663.94  810.93   659.4  832.06  658.64
   858.9  643.18  952.84  643.18  966.26  642.93 1013.66  638.63 1073.62  633.98
 1094.75  633.86  1135.3  633.18 1180.99  632.67 1288.35  643.06 1338.03  639.08
 1905.68   597.5 2063.64  572.55 2169.32  572.55 2298.86  588.14 2385.23   597.5
 2952.05  600.68 3178.78  602.05  3476.6  602.05 3481.08  602.12 3783.39  605.21
 3858.96   606.5 3931.34  607.34 4204.18  605.86 4236.84  602.91 4295.13   599.6
 4477.02  604.72 4658.92  617.57 4886.29  701.24 5068.18  706.36
```

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1905.68	.15	2385.23	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1905.68	2385.23	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.45	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.41	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	204362.60	85359.43	391095.20
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	204362.60	85359.43	391095.20
Q Total (cfs)	943554.40	Flow (cfs)	238415.40	142136.70	563002.40
Top Width (ft)	5068.18	Top Width (ft)	1905.68	479.55	2682.95
Vel Total (ft/s)	1.39	Avg. Vel. (ft/s)	1.17	1.67	1.44
Max Chl Dpth (ft)	187.86	Hydr. Depth (ft)	107.24	178.00	145.77
Conv. Total (cfs)	176786800.0	Conv. (cfs)	44670130.0	26631100.0	105485600.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	1971.67	482.95	2752.79
Min Ch El (ft)	572.55	Shear (lb/sq ft)	0.18	0.31	0.25
Alpha	1.04	Stream Power (lb/ft s)	0.22	0.52	0.36
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	8962.44	2554.58	11436.37
C & E Loss (ft)		Cum SA (acres)	74.59	14.10	78.13

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6615.47*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	707.55	81.28	703.5	215.22	694.9	376.63	691.04	403.53	683
406.39	682.85	690.86	672.74	812.78	663.71	812.78	659.01	833.96	658.26
860.86	642.95	955.02	642.95	968.47	642.7	1015.98	638.4	1076.08	633.78
1097.26	633.66	1137.89	632.95	1183.69	632.43	1291.29	642.66	1341.09	638.7
1910.04	597.42	2067.42	572.53	2173.3	572.53	2302.16	588.07	2388.07	597.42
2953.01	600.7	3178.99	602.11	3475.82	602.11	3480.29	602.19	3781.59	605.16
3856.91	606.43	3929.05	607.25	4200.99	605.72	4233.54	602.79	4291.63	599.58

```
 4472.92  604.87 4654.21  617.82 4880.83  700.95 5062.12  706.24

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1910.04     .15 2388.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1910.04 2388.07            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.44    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.41    Reach Len. (ft)            14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       205275.40   85117.48
389824.80
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            205275.40   85117.48
389824.80
  Q Total (cfs)           943553.80    Flow (cfs)              240021.40   141884.70
  561647.80
  Top Width (ft)           5062.12    Top Width (ft)           1910.04     478.03
2674.05
  Vel Total (ft/s)            1.39    Avg. Vel. (ft/s)            1.17       1.67
   1.44
  Max Chl Dpth (ft)         187.88    Hydr. Depth (ft)          107.47     178.06
 145.78
  Conv. Total (cfs)       176636100.0    Conv. (cfs)             44932710.0
26561230.0   105142100.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1976.31     481.43
2743.88
  Min Ch El (ft)            572.53    Shear (lb/sq ft)            0.19       0.31
   0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.22       0.53
   0.36
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8892.05    2525.28
11302.18
  C & E Loss (ft)                     Cum SA (acres)             73.93      13.94
  77.21



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6600.48*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  707.27   81.46  703.27  215.71  694.67  377.49  690.75  404.45  682.77
  407.32  682.63  692.44  672.61  814.64  663.47  814.64  658.62  835.86  657.88
  862.83  642.73   957.2  642.73  970.68  642.46 1018.29  638.17 1078.53  633.58
 1099.76  633.45 1140.49  632.73 1186.39  632.18 1294.24  642.26 1344.15  638.31
 1914.39  597.33 2071.21  572.52 2177.27  572.52 2305.45  588.01 2390.91  597.33
```

```
 2953.97  600.73 3179.19  602.18 3475.04  602.18 3479.49  602.26 3779.79  605.11
 3854.87  606.37 3926.76  607.16 4197.79  605.58 4230.24  602.67 4288.14  599.57
 4468.82  605.03 4649.51  618.07 4875.37  700.66 5056.06  706.12

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1914.39     .15 2390.91     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1914.39 2390.91            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.44    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.41    Reach Len. (ft)             14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       206194.40   84874.43
388546.00
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            206194.40   84874.43
388546.00
  Q Total (cfs)           943553.30    Flow (cfs)              241646.80   141629.90
  560276.60
  Top Width (ft)           5056.06    Top Width (ft)           1914.39     476.52
2665.15
  Vel Total (ft/s)            1.39    Avg. Vel. (ft/s)            1.17       1.67
   1.44
  Max Chl Dpth (ft)         187.89    Hydr. Depth (ft)          107.71     178.11
 145.79
  Conv. Total (cfs)       176483400.0    Conv. (cfs)             45197940.0
26490640.0   104794800.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1980.93     479.91
2734.97
  Min Ch El (ft)            572.52    Shear (lb/sq ft)            0.19       0.32
   0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.22       0.53
   0.37
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8821.35    2496.07
11168.43
  C & E Loss (ft)                     Cum SA (acres)             73.28      13.77
  76.30



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6585.5*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     707   81.65  703.03   216.2  694.44  378.35  690.46  405.37  682.54
  408.24   682.4  694.02  672.49  816.49  663.24  816.49  658.24  837.76   657.5
  864.79   642.5  959.38   642.5  972.89  642.22 1020.61  637.94 1080.99  633.38
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 1102.26  633.25 1143.09   632.5 1189.08  631.94 1297.18  641.86 1347.21  637.93
 1918.75  597.25    2075   572.5 2181.25   572.5 2308.75  587.95 2393.75  597.25
 2954.93  600.75  3179.4  602.25 3474.26  602.25  3478.7  602.32 3777.99  605.06
 3852.82  606.31 3924.47  607.07  4194.6  605.44 4226.94  602.56 4284.64  599.56
 4464.72  605.19 4644.81  618.32 4869.92  700.37    5050     706

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1918.75     .15 2393.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1918.75 2393.75            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.44    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.41    Reach Len. (ft)             14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       207110.70   84630.98
387269.60
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            207110.70   84630.98
387269.60
  Q Total (cfs)           943552.80    Flow (cfs)              243270.30   141374.20
  558908.30
  Top Width (ft)           5050.00    Top Width (ft)           1918.75     475.00
2656.25
  Vel Total (ft/s)            1.39    Avg. Vel. (ft/s)            1.17       1.67
   1.44
  Max Chl Dpth (ft)         187.91    Hydr. Depth (ft)          107.94     178.17
 145.80
  Conv. Total (cfs)       176331000.0    Conv. (cfs)             45462320.0
26419990.0   104448700.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1985.57     478.39
2726.06
  Min Ch El (ft)            572.50    Shear (lb/sq ft)            0.19       0.32
   0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.22       0.53
   0.37
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8750.33    2466.95
11035.13
  C & E Loss (ft)                     Cum SA (acres)             72.62      13.61
  75.38



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6570.51*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  706.73   81.83   702.8  216.69  694.21   379.2  690.17  406.29  682.32
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```
  409.17  682.17  695.59  672.36  818.34     663  818.34  657.85  839.67  657.12
  866.75  642.27  961.55  642.27   975.1  641.99 1022.93  637.71 1083.44  633.18
 1104.76  633.05 1145.68  632.27 1191.78  631.69 1300.13  641.46 1350.27  637.55
 1923.11  597.17 2078.79  572.48 2185.23  572.48 2312.05  587.89 2396.59  597.17
 2955.89  600.77 3179.61  602.32 3473.48  602.32  3477.9  602.39  3776.2  605.01
 3850.77  606.24 3922.18  606.98  4191.4  605.31 4223.63  602.44 4281.14  599.54
 4460.63  605.35 4640.11  618.58 4864.46  700.07 5043.94  705.88

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1923.11     .15 2396.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1923.11 2396.59            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.44    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.41    Reach Len. (ft)            14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       208031.20   84387.35
385991.90
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            208031.20   84387.35
385991.90
  Q Total (cfs)           943552.20    Flow (cfs)              244904.20   141116.80
  557531.30
  Top Width (ft)           5043.94    Top Width (ft)           1923.11     473.48
2647.35
  Vel Total (ft/s)            1.39    Avg. Vel. (ft/s)            1.18       1.67
   1.44
  Max Chl Dpth (ft)         187.93    Hydr. Depth (ft)          108.17     178.23
 145.80
  Conv. Total (cfs)       176179600.0    Conv. (cfs)             45728410.0
26349260.0   104102000.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         1990.21     476.87
2717.15
  Min Ch El (ft)            572.48    Shear (lb/sq ft)            0.19       0.32
   0.25
  Alpha                       1.04    Stream Power (lb/ft s)      0.22       0.53
   0.37
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8678.99    2437.91
10902.25
  C & E Loss (ft)                     Cum SA (acres)             71.96      13.45
  74.47


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6555.53*

INPUT
Description:
Station Elevation Data    num=      39
```

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	706.45	82.02	702.57	217.18	693.98	380.06	689.88	407.21	682.09
410.1	681.95	697.17	672.23	820.2	662.77	820.2	657.47	841.57	656.74
868.72	642.05	963.73	642.05	977.3	641.75	1025.25	637.48	1085.89	632.98
1107.27	632.84	1148.28	632.05	1194.48	631.45	1303.07	641.07	1353.32	637.16
1927.46	597.08	2082.58	572.47	2189.2	572.47	2315.34	587.83	2399.43	597.08
2956.85	600.8	3179.82	602.39	3472.7	602.39	3477.11	602.46	3774.4	604.96
3848.72	606.18	3919.89	606.89	4188.21	605.17	4220.33	602.32	4277.65	599.53
4456.53	605.5	4635.4	618.83	4859	699.78	5037.88	705.76		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1927.46	.15	2399.43	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1927.46	2399.43	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.41	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	208954.40	84143.87	384714.40
E.G. Slope (ft/ft)	0.000029	Area (sq ft)	208954.40	84143.87	384714.40
Q Total (cfs)	943551.70	Flow (cfs)	246546.10	140857.60	556148.10
Top Width (ft)	5037.88	Top Width (ft)	1927.46	471.97	2638.45
Vel Total (ft/s)	1.39	Avg. Vel. (ft/s)	1.18	1.67	1.45
Max Chl Dpth (ft)	187.94	Hydr. Depth (ft)	108.41	178.28	145.81
Conv. Total (cfs)	176029400.0	Conv. (cfs)	45995740.0	26278440.0	103755200.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	1994.84	475.35	2708.24
Min Ch El (ft)	572.47	Shear (lb/sq ft)	0.19	0.32	0.25
Alpha	1.04	Stream Power (lb/ft s)	0.22	0.53	0.37
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	8607.34	2408.95	10769.82
C & E Loss (ft)		Cum SA (acres)	71.30	13.28	73.56

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6540.54*

INPUT

Description:

Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	706.18	82.21	702.34	217.67	693.75	380.92	689.59	408.13	681.87
411.03	681.72	698.74	672.11	822.05	662.53	822.05	657.08	843.47	656.36
870.68	641.82	965.91	641.82	979.51	641.52	1027.56	637.24	1088.35	632.78
1109.77	632.64	1150.87	631.82	1197.18	631.2	1306.02	640.67	1356.38	636.78
1931.82	597	2086.36	572.45	2193.18	572.45	2318.64	587.76	2402.27	597
2957.81	600.82	3180.03	602.45	3471.92	602.45	3476.31	602.53	3772.6	604.91
3846.67	606.12	3917.6	606.8	4185.02	605.03	4217.03	602.21	4274.15	599.51
4452.43	605.66	4630.7	619.08	4853.54	699.49	5031.82	705.64		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1931.82	.15	2402.27	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1931.82	2402.27	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.41	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	209877.40	83901.05	383440.70
E.G. Slope (ft/ft)	0.000029	Area (sq ft)	209877.40	83901.05	383440.70
Q Total (cfs)	943551.10	Flow (cfs)	248187.90	140598.80	554764.40
Top Width (ft)	5031.82	Top Width (ft)	1931.82	470.45	2629.55
Vel Total (ft/s)	1.39	Avg. Vel. (ft/s)	1.18	1.68	1.45
Max Chl Dpth (ft)	187.96	Hydr. Depth (ft)	108.64	178.34	145.82
Conv. Total (cfs)	175881400.0	Conv. (cfs)	46263140.0	26208130.0	103410100.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	1999.48	473.83	2699.34
Min Ch El (ft)	572.45	Shear (lb/sq ft)	0.19	0.32	0.26
Alpha	1.04	Stream Power (lb/ft s)	0.22	0.53	0.37
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	8535.37	2380.07	10637.83
C & E Loss (ft)		Cum SA (acres)	70.63	13.12	72.66

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6525.56*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	705.91	82.39	702.1	218.16	693.52	381.78	689.3	409.05	681.64
411.95	681.5	700.32	671.98	823.9	662.3	823.9	656.69	845.37	655.98
872.64	641.59	968.09	641.59	981.72	641.28	1029.88	637.01	1090.8	632.58
1112.27	632.43	1153.47	631.59	1199.88	630.96	1308.96	640.27	1359.44	636.4
1936.17	596.92	2090.15	572.44	2197.16	572.44	2321.93	587.7	2405.11	596.92
2958.77	600.84	3180.23	602.52	3471.14	602.52	3475.52	602.59	3770.8	604.86
3844.62	606.05	3915.32	606.71	4181.82	604.89	4213.73	602.09	4270.66	599.5
4448.33	605.82	4626	619.33	4848.09	699.2	5025.76	705.52		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1936.17	.15	2405.11	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1936.17	2405.11	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.41	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	210801.60	83656.09	382165.00
E.G. Slope (ft/ft)	0.000029	Area (sq ft)	210801.60	83656.09	382165.00
Q Total (cfs)	943550.60	Flow (cfs)	249838.40	140333.50	553378.70
Top Width (ft)	5025.76	Top Width (ft)	1936.17	468.94	2620.65
Vel Total (ft/s)	1.39	Avg. Vel. (ft/s)	1.19	1.68	1.45
Max Chl Dpth (ft)	187.97	Hydr. Depth (ft)	108.88	178.39	145.83
Conv. Total (cfs)	175731800.0	Conv. (cfs)	46531210.0	26136450.0	103064100.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2004.12	472.31	2690.43
Min Ch El (ft)	572.44	Shear (lb/sq ft)	0.19	0.32	0.26
Alpha	1.04	Stream Power (lb/ft s)	0.22	0.53	0.37
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	8463.09	2351.28	10506.27
C & E Loss (ft)		Cum SA (acres)	69.97	12.96	71.75

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6510.57*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	705.64	82.58	701.87	218.65	693.29	382.64	689.01	409.97	681.41
412.88	681.27	701.89	671.86	825.76	662.06	825.76	656.31	847.27	655.61
874.61	641.36	970.27	641.36	983.93	641.05	1032.2	636.78	1093.26	632.38
1114.77	632.23	1156.06	631.36	1202.58	630.71	1311.91	639.87	1362.5	636.01
1940.53	596.83	2093.94	572.42	2201.14	572.42	2325.23	587.64	2407.95	596.83
2959.73	600.86	3180.44	602.59	3470.36	602.59	3474.72	602.66	3769	604.8
3842.57	605.99	3913.03	606.62	4178.63	604.75	4210.42	601.97	4267.16	599.49
4444.23	605.98	4621.3	619.58	4842.63	698.91	5019.7	705.39		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1940.53	.15	2407.95	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1940.53	2407.95	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.41	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	211733.80	83412.93	380891.80
E.G. Slope (ft/ft)	0.000029	Area (sq ft)	211733.80	83412.93	380891.80
Q Total (cfs)	943550.10	Flow (cfs)	251501.00	140070.60	551978.40
Top Width (ft)	5019.70	Top Width (ft)	1940.53	467.42	2611.75
Vel Total (ft/s)	1.40	Avg. Vel. (ft/s)	1.19	1.68	1.45
Max Chl Dpth (ft)	187.99	Hydr. Depth (ft)	109.11	178.45	145.84
Conv. Total (cfs)	175587500.0	Conv. (cfs)	46802420.0	26066070.0	102719000.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2008.76	470.79	2681.54
Min Ch El (ft)	572.42	Shear (lb/sq ft)	0.19	0.32	0.26
Alpha	1.04	Stream Power (lb/ft s)	0.23	0.54	0.37
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	8390.48	2322.57	10375.16
C & E Loss (ft)		Cum SA (acres)	69.30	12.80	70.86

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6495.59*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	705.36	82.76	701.64	219.14	693.07	383.5	688.72	410.89	681.19
413.81	681.04	703.47	671.73	827.61	661.83	827.61	655.92	849.18	655.23
876.57	641.14	972.44	641.14	986.14	640.81	1034.51	636.55	1095.71	632.18
1117.28	632.02	1158.66	631.14	1205.28	630.47	1314.85	639.47	1365.56	635.63
1944.89	596.75	2097.73	572.41	2205.11	572.41	2328.52	587.58	2410.8	596.75
2960.69	600.89	3180.65	602.66	3469.58	602.66	3473.93	602.73	3767.21	604.75
3840.53	605.92	3910.74	606.54	4175.43	604.62	4207.12	601.86	4263.67	599.47
4440.13	606.13	4616.59	619.84	4837.17	698.61	5013.64	705.27		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1944.89	.15	2410.8	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1944.89	2410.8	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.41	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	212660.90	83167.52	379607.20
E.G. Slope (ft/ft)	0.000029	Area (sq ft)	212660.90	83167.52	379607.20
Q Total (cfs)	943549.60	Flow (cfs)	253167.70	139805.30	550576.60
Top Width (ft)	5013.64	Top Width (ft)	1944.89	465.91	2602.84
Vel Total (ft/s)	1.40	Avg. Vel. (ft/s)	1.19	1.68	1.45
Max Chl Dpth (ft)	188.00	Hydr. Depth (ft)	109.34	178.51	145.84
Conv. Total (cfs)	175435200.0	Conv. (cfs)	47071750.0	25994150.0	102369300.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2013.42	469.27	2672.62
Min Ch El (ft)	572.41	Shear (lb/sq ft)	0.19	0.32	0.26
Alpha	1.04	Stream Power (lb/ft s)	0.23	0.54	0.37
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	8317.56	2293.95	10244.48
C & E Loss (ft)		Cum SA (acres)	68.63	12.64	69.96

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6480.60*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	705.09	82.95	701.41	219.63	692.84	384.36	688.43	411.81	680.96
414.73	680.82	705.05	671.6	829.46	661.59	829.46	655.53	851.08	654.85
878.53	640.91	974.62	640.91	988.35	640.57	1036.83	636.32	1098.16	631.98
1119.78	631.82	1161.25	630.91	1207.98	630.23	1317.8	639.08	1368.62	635.25
1949.24	596.67	2101.52	572.39	2209.09	572.39	2331.82	587.52	2413.64	596.67
2961.65	600.91	3180.86	602.73	3468.8	602.73	3473.13	602.8	3765.41	604.7
3838.48	605.86	3908.45	606.45	4172.24	604.48	4203.82	601.74	4260.17	599.46
4436.03	606.29	4611.89	620.09	4831.72	698.32	5007.58	705.15		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1949.24	.15	2413.64	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1949.24	2413.64	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.40	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	213589.60	82924.63	378328.80
E.G. Slope (ft/ft)	0.000029	Area (sq ft)	213589.60	82924.63	378328.80
Q Total (cfs)	943549.00	Flow (cfs)	254836.20	139542.40	549170.40
Top Width (ft)	5007.58	Top Width (ft)	1949.24	464.40	2593.94
Vel Total (ft/s)	1.40	Avg. Vel. (ft/s)	1.19	1.68	1.45
Max Chl Dpth (ft)	188.01	Hydr. Depth (ft)	109.58	178.56	145.85
Conv. Total (cfs)	175287600.0	Conv. (cfs)	47342150.0	25923450.0	102022000.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2018.06	467.76	2663.72
Min Ch El (ft)	572.39	Shear (lb/sq ft)	0.19	0.32	0.26
Alpha	1.04	Stream Power (lb/ft s)	0.23	0.54	0.37
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	8244.31	2265.41	10114.24
C & E Loss (ft)		Cum SA (acres)	67.96	12.48	69.07

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6465.62*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	704.82	83.13	701.17	220.12	692.61	385.22	688.14	412.73	680.74
415.66	680.59	706.62	671.48	831.32	661.36	831.32	655.15	852.98	654.47
880.5	640.68	976.8	640.68	990.56	640.34	1039.15	636.09	1100.62	631.78
1122.28	631.61	1163.85	630.68	1210.68	629.98	1320.74	638.68	1371.68	634.87
1953.6	596.58	2105.3	572.38	2213.07	572.38	2335.11	587.45	2416.48	596.58
2962.61	600.93	3181.07	602.8	3468.02	602.8	3472.34	602.86	3763.61	604.65
3836.43	605.8	3906.16	606.36	4169.05	604.34	4200.52	601.62	4256.67	599.45
4431.93	606.45	4607.19	620.34	4826.26	698.03	5001.52	705.03		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1953.6	.15	2416.48	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1953.6	2416.48	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.40	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	214525.60	82679.56	377053.90
E.G. Slope (ft/ft)	0.000029	Area (sq ft)	214525.60	82679.56	377053.90
Q Total (cfs)	943548.50	Flow (cfs)	256517.10	139272.90	547758.40
Top Width (ft)	5001.52	Top Width (ft)	1953.60	462.88	2585.04
Vel Total (ft/s)	1.40	Avg. Vel. (ft/s)	1.20	1.68	1.45
Max Chl Dpth (ft)	188.02	Hydr. Depth (ft)	109.81	178.62	145.86
Conv. Total (cfs)	175143800.0	Conv. (cfs)	47615350.0	25852180.0	101676300.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2022.71	466.24	2654.82
Min Ch El (ft)	572.38	Shear (lb/sq ft)	0.19	0.32	0.26
Alpha	1.04	Stream Power (lb/ft s)	0.23	0.54	0.37
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	8170.75	2236.95	9984.44
C & E Loss (ft)		Cum SA (acres)	67.29	12.32	68.18

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6450.63*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	704.55	83.32	700.94	220.61	692.38	386.08	687.86	413.65	680.51
416.59	680.36	708.2	671.35	833.17	661.13	833.17	654.76	854.88	654.09
882.46	640.45	978.98	640.45	992.77	640.1	1041.47	635.85	1103.07	631.57
1124.78	631.41	1166.44	630.45	1213.38	629.74	1323.69	638.28	1374.73	634.48
1957.95	596.5	2109.09	572.36	2217.05	572.36	2338.41	587.39	2419.32	596.5
2963.57	600.95	3181.27	602.86	3467.24	602.86	3471.54	602.93	3761.81	604.6
3834.38	605.73	3903.87	606.27	4165.85	604.2	4197.22	601.51	4253.18	599.43
4427.83	606.6	4602.48	620.59	4820.8	697.74	4995.45	704.91		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1957.95	.15	2419.32	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1957.95	2419.32	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.43	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.40	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	215463.40	82436.38	375780.90
E.G. Slope (ft/ft)	0.000029	Area (sq ft)	215463.40	82436.38	375780.90
Q Total (cfs)	943547.90	Flow (cfs)	258201.70	139003.50	546342.80
Top Width (ft)	4995.45	Top Width (ft)	1957.95	461.37	2576.13
Vel Total (ft/s)	1.40	Avg. Vel. (ft/s)	1.20	1.69	1.45
Max Chl Dpth (ft)	188.04	Hydr. Depth (ft)	110.05	178.68	145.87
Conv. Total (cfs)	175002200.0	Conv. (cfs)	47889320.0	25781330.0	101331600.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2027.36	464.72	2645.91
Min Ch El (ft)	572.36	Shear (lb/sq ft)	0.19	0.32	0.26
Alpha	1.04	Stream Power (lb/ft s)	0.23	0.54	0.37
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	8096.87	2208.58	9855.08
C & E Loss (ft)		Cum SA (acres)	66.62	12.16	

67.29

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6435.65*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	704.27	83.5	700.71	221.11	692.15	386.93	687.57	414.57	680.28
417.51	680.14	709.77	671.23	835.03	660.89	835.03	654.38	856.78	653.71
884.42	640.23	981.16	640.23	994.97	639.87	1043.78	635.62	1105.53	631.37
1127.28	631.2	1169.04	630.23	1216.08	629.49	1326.63	637.88	1377.79	634.1
1962.31	596.42	2112.88	572.35	2221.02	572.35	2341.7	587.33	2422.16	596.42
2964.53	600.98	3181.48	602.93	3466.46	602.93	3470.75	603	3760.01	604.55
3832.33	605.67	3901.58	606.18	4162.66	604.06	4193.91	601.39	4249.68	599.42
4423.73	606.76	4597.78	620.85	4815.34	697.45	4989.39	704.79		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1962.31	.15	2422.16	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1962.31	2422.16	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.43	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.40	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	216397.80	82188.55	374495.80
E.G. Slope (ft/ft)	0.000029	Area (sq ft)	216397.80	82188.55	374495.80
Q Total (cfs)	943547.40	Flow (cfs)	259896.40	138729.90	544921.00
Top Width (ft)	4989.39	Top Width (ft)	1962.31	459.85	2567.23
Vel Total (ft/s)	1.40	Avg. Vel. (ft/s)	1.20	1.69	1.46
Max Chl Dpth (ft)	188.05	Hydr. Depth (ft)	110.28	178.73	145.88
Conv. Total (cfs)	174852100.0	Conv. (cfs)	48162330.0	25708540.0	100981200.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2032.01	463.20	2637.01
Min Ch El (ft)	572.35	Shear (lb/sq ft)	0.19	0.32	0.26
Alpha	1.04	Stream Power (lb/ft s)	0.23	0.54	0.38
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	8022.66	2180.29	

9726.16
C & E Loss (ft) Cum SA (acres) 65.95 12.00
66.41

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6420.66*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	704	83.69	700.48	221.6	691.92	387.79	687.28	415.49	680.06
418.44	679.91	711.35	671.1	836.88	660.66	836.88	653.99	858.69	653.33
886.38	640	983.33	640	997.18	639.63	1046.1	635.39	1107.98	631.17
1129.79	631	1171.63	630	1218.78	629.25	1329.58	637.48	1380.85	633.72
1966.67	596.33	2116.67	572.33	2225	572.33	2345	587.27	2425	596.33
2965.49	601	3181.69	603	3465.68	603	3469.95	603.07	3758.22	604.5
3830.28	605.61	3899.29	606.09	4159.46	603.93	4190.61	601.27	4246.19	599.41
4419.63	606.92	4593.08	621.1	4809.89	697.15	4983.33	704.67		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1966.67	.15	2425	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1966.67	2425	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft) 760.43 Element Left OB Channel
Right OB
Vel Head (ft) 0.03 Wt. n-Val. 0.150 0.150
0.150
W.S. Elev (ft) 760.40 Reach Len. (ft) 14.97 14.97
14.97
Crit W.S. (ft) Flow Area (sq ft) 217340.10 81944.38
373219.70
E.G. Slope (ft/ft) 0.000029 Area (sq ft) 217340.10 81944.38
373219.70
Q Total (cfs) 943546.90 Flow (cfs) 261596.80 138459.10
543491.00
Top Width (ft) 4983.33 Top Width (ft) 1966.67 458.33
2558.33
Vel Total (ft/s) 1.40 Avg. Vel. (ft/s) 1.20 1.69
1.46
Max Chl Dpth (ft) 188.07 Hydr. Depth (ft) 110.51 178.79
145.88
Conv. Total (cfs) 174710900.0 Conv. (cfs) 48438300.0
25637630.0 100634900.0
Length Wtd. (ft) 14.97 Wetted Per. (ft) 2036.68 461.68
2628.11
Min Ch El (ft) 572.33 Shear (lb/sq ft) 0.19 0.32
0.26
Alpha 1.04 Stream Power (lb/ft s) 0.23 0.55

```
   0.38
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7948.13    2152.09
9597.68
  C & E Loss (ft)                     Cum SA (acres)             65.27      11.84
  65.53


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6405.68*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  703.73   83.87  700.24  222.09  691.69  388.65  686.99  416.41  679.83
  419.37  679.69  712.92  670.97  838.73  660.42  838.73   653.6  860.59  652.95
  888.35  639.77  985.51  639.77  999.39   639.4 1048.42  635.16 1110.44  630.97
 1132.29   630.8 1174.23  629.77 1221.48     629 1332.52  637.09 1383.91  633.33
 1971.02  596.25 2120.45  572.32 2228.98  572.32  2348.3   587.2 2427.84  596.25
 2966.45  601.02  3181.9  603.07  3464.9  603.07 3469.16  603.13 3756.42  604.45
 3828.23  605.54 3897.01     606 4156.27  603.79 4187.31  601.16 4242.69  599.39
 4415.53  607.08 4588.38  621.35 4804.43  696.86 4977.27  704.55

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1971.02     .15 2427.84     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1971.02 2427.84            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.43    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.40    Reach Len. (ft)             14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       218283.90   81699.44
371943.30
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            218283.90   81699.44
371943.30
  Q Total (cfs)           943546.40    Flow (cfs)              263305.40   138183.70
  542057.30
  Top Width (ft)           4977.27    Top Width (ft)           1971.02     456.82
2549.43
  Vel Total (ft/s)            1.40    Avg. Vel. (ft/s)            1.21       1.69
   1.46
  Max Chl Dpth (ft)         188.08    Hydr. Depth (ft)          110.75     178.84
 145.89
  Conv. Total (cfs)       174569700.0    Conv. (cfs)             48715300.0
25565970.0   100288400.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2041.33     460.16
2619.22
  Min Ch El (ft)            572.32    Shear (lb/sq ft)            0.20       0.32
```

0.26					
Alpha	1.04	Stream Power (lb/ft s)	0.24	0.55	0.38
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	7873.27	2123.97	9469.64
C & E Loss (ft)		Cum SA (acres)	64.60	11.69	64.65

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6390.69*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	703.45	84.06	700.01	222.58	691.46	389.51	686.7	417.33	679.61
420.29	679.46	714.5	670.85	840.59	660.19	840.59	653.22	862.49	652.58
890.31	639.55	987.69	639.55	1001.6	639.16	1050.73	634.93	1112.89	630.77
1134.79	630.59	1176.82	629.55	1224.18	628.76	1335.47	636.69	1386.97	632.95
1975.38	596.17	2124.24	572.3	2232.95	572.3	2351.59	587.14	2430.68	596.17
2967.41	601.05	3182.11	603.14	3464.12	603.14	3468.36	603.2	3754.62	604.4
3826.18	605.48	3894.72	605.91	4153.08	603.65	4184.01	601.04	4239.19	599.38
4411.43	607.23	4583.67	621.6	4798.97	696.57	4971.21	704.42		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1975.38	.15	2430.68	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1975.38	2430.68	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.43	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150	
W.S. Elev (ft)	760.40	Reach Len. (ft)	14.97	14.97	14.97	
Crit W.S. (ft)		Flow Area (sq ft)	219224.10	81453.55	370661.80	
E.G. Slope (ft/ft)	0.000029	Area (sq ft)	219224.10	81453.55	370661.80	
Q Total (cfs)	943545.90	Flow (cfs)	265015.60	137909.90	540620.40	
Top Width (ft)	4971.21	Top Width (ft)	1975.38	455.30	2540.53	
Vel Total (ft/s)	1.41	Avg. Vel. (ft/s)	1.21	1.69	1.46	
Max Chl Dpth (ft)	188.10	Hydr. Depth (ft)	110.98	178.90	145.90	
Conv. Total (cfs)	174424300.0	Conv. (cfs)	48990890.0	25494080.0	99939300.0	
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2045.99	458.64		

2610.33					
Min Ch El (ft)	572.30	Shear (lb/sq ft)	0.20	0.32	0.26
Alpha	1.04	Stream Power (lb/ft s)	0.24	0.55	0.38
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	7798.10	2095.93	9342.03
C & E Loss (ft)		Cum SA (acres)	63.92	11.53	63.77

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6375.71*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	703.18	84.24	699.78	223.07	691.23	390.37	686.41	418.25	679.38
421.22	679.23	716.07	670.72	842.44	659.95	842.44	652.83	864.39	652.2
892.27	639.32	989.87	639.32	1003.81	638.93	1053.05	634.69	1115.34	630.57
1137.29	630.39	1179.42	629.32	1226.88	628.52	1338.41	636.29	1390.03	632.57
1979.73	596.08	2128.03	572.29	2236.93	572.29	2354.89	587.08	2433.52	596.08
2968.37	601.07	3182.31	603.2	3463.34	603.2	3467.57	603.27	3752.82	604.34
3824.14	605.41	3892.43	605.83	4149.88	603.51	4180.7	600.92	4235.7	599.37
4407.33	607.39	4578.97	621.85	4793.52	696.28	4965.15	704.3		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1979.73	.15	2433.52	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1979.73	2433.52	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.43	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150	
W.S. Elev (ft)	760.40	Reach Len. (ft)	14.97	14.97	14.97	
Crit W.S. (ft)		Flow Area (sq ft)	220172.50	81208.23	369389.70	
E.G. Slope (ft/ft)	0.000029	Area (sq ft)	220172.50	81208.23	369389.70	
Q Total (cfs)	943545.30	Flow (cfs)	266735.10	137630.00	539180.20	
Top Width (ft)	4965.15	Top Width (ft)	1979.73	453.79	2531.63	
Vel Total (ft/s)	1.41	Avg. Vel. (ft/s)	1.21	1.69	1.46	
Max Chl Dpth (ft)	188.11	Hydr. Depth (ft)	111.21	178.96	145.91	
Conv. Total (cfs)	174286900.0	Conv. (cfs)	49269960.0			

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25422320.0   99594640.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2050.64     457.12
2601.44
  Min Ch El (ft)            572.29    Shear (lb/sq ft)            0.20       0.33
   0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.24       0.55
   0.38
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7722.59    2067.98
9214.87
  C & E Loss (ft)                     Cum SA (acres)             63.24      11.37
  62.90


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6360.72*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  702.91   84.43  699.54  223.56     691  391.23  686.12  419.17  679.15
  422.15  679.01  717.65  670.59  844.29  659.72  844.29  652.44  866.29  651.82
  894.24  639.09  992.05  639.09 1006.02  638.69 1055.37  634.46  1117.8  630.37
  1139.8  630.18 1182.01  629.09 1229.58  628.27 1341.36  635.89 1393.09  632.18
 1984.09     596 2131.82  572.27 2240.91  572.27 2358.18  587.02 2436.36     596
 2969.33  601.09 3182.52  603.27 3462.56  603.27 3466.77  603.34 3751.02  604.29
 3822.09  605.35 3890.14  605.74 4146.69  603.37  4177.4  600.81  4232.2  599.35
 4403.24  607.55 4574.27  622.11 4788.06  695.99 4959.09  704.18

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1984.09     .15 2436.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1984.09 2436.36            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.43    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.40    Reach Len. (ft)             14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       221124.10   80962.12
368108.30
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            221124.10   80962.12
368108.30
  Q Total (cfs)           943544.80    Flow (cfs)              268468.60   137350.90
  537725.30
  Top Width (ft)           4959.09    Top Width (ft)           1984.09     452.27
2522.73
  Vel Total (ft/s)            1.41    Avg. Vel. (ft/s)            1.21       1.70
   1.46
  Max Chl Dpth (ft)         188.13    Hydr. Depth (ft)          111.45     179.01
```

```
 145.92
  Conv. Total (cfs)       174146300.0    Conv. (cfs)             49550190.0
25350310.0   99245820.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2055.31     455.60
2592.55
  Min Ch El (ft)            572.27    Shear (lb/sq ft)            0.20       0.33
   0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.24       0.55
   0.38
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7646.76    2040.12
9088.14
  C & E Loss (ft)                     Cum SA (acres)             62.56      11.22
  62.03
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6345.74*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	702.64	84.61	699.31	224.05	690.77	392.09	685.83	420.09	678.93
423.07	678.78	719.23	670.47	846.15	659.48	846.15	652.06	868.2	651.44
896.2	638.86	994.22	638.86	1008.23	638.45	1057.68	634.23	1120.25	630.17
1142.3	629.98	1184.61	628.86	1232.28	628.03	1344.3	635.49	1396.14	631.8
1988.45	595.92	2135.61	572.26	2244.89	572.26	2361.48	586.96	2439.2	595.92
2970.29	601.11	3182.73	603.34	3461.78	603.34	3465.98	603.4	3749.23	604.24
3820.04	605.29	3887.85	605.65	4143.49	603.24	4174.1	600.69	4228.71	599.34
4399.14	607.71	4569.57	622.36	4782.6	695.69	4953.03	704.06		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1988.45	.15	2439.2	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1988.45	2439.2	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.43    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.40    Reach Len. (ft)             14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       222072.60   80713.57
366830.30
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            222072.60   80713.57
366830.30
  Q Total (cfs)           943544.30    Flow (cfs)              270201.80   137065.40
  536277.10
  Top Width (ft)           4953.03    Top Width (ft)           1988.45     450.75
2513.83
  Vel Total (ft/s)            1.41    Avg. Vel. (ft/s)            1.22       1.70
```

```
   1.46
  Max Chl Dpth (ft)         188.14    Hydr. Depth (ft)          111.68     179.07
 145.92
  Conv. Total (cfs)       174005300.0    Conv. (cfs)             49829730.0
25277150.0   98898460.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2059.97     454.08
2583.65
  Min Ch El (ft)            572.26    Shear (lb/sq ft)            0.20       0.33
   0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.24       0.55
   0.38
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7570.61    2012.34
8961.86
  C & E Loss (ft)                     Cum SA (acres)             61.88      11.06
  61.17
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6330.75*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	702.36	84.8	699.08	224.54	690.55	392.95	685.54	421.01	678.7
424	678.55	720.8	670.34	848	659.25	848	651.67	870.1	651.06
898.16	638.64	996.4	638.64	1010.44	638.22	1060	634	1122.71	629.97
1144.8	629.77	1187.2	628.64	1234.98	627.78	1347.25	635.09	1399.2	631.42
1992.8	595.83	2139.39	572.24	2248.86	572.24	2364.77	586.89	2442.05	595.83
2971.25	601.14	3182.94	603.41	3461	603.41	3465.18	603.47	3747.43	604.19
3817.99	605.22	3885.56	605.56	4140.3	603.1	4170.8	600.57	4225.21	599.33
4395.04	607.86	4564.86	622.61	4777.14	695.4	4946.97	703.94		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1992.8	.15	2442.05	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1992.8	2442.05	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.43    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)             14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       223024.20   80472.73
365549.20
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            223024.20   80472.73
365549.20
  Q Total (cfs)           943543.80    Flow (cfs)              271938.80   136794.70
  534810.40
  Top Width (ft)           4946.97    Top Width (ft)           1992.80     449.25
```

```
2504.92
  Vel Total (ft/s)            1.41    Avg. Vel. (ft/s)            1.22       1.70
   1.46
  Max Chl Dpth (ft)         188.15    Hydr. Depth (ft)          111.92     179.13
 145.93
  Conv. Total (cfs)       173867600.0    Conv. (cfs)             50110360.0
25207260.0   98549920.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2064.64     452.57
2574.76
  Min Ch El (ft)            572.24    Shear (lb/sq ft)            0.20       0.33
   0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.24       0.56
   0.38
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7494.13    1984.64
8836.01
  C & E Loss (ft)                     Cum SA (acres)             61.19      10.91
  60.31


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6315.77*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  702.09   84.99  698.85  225.03  690.32  393.81  685.25  421.93  678.48
  424.93  678.33  722.38  670.22  849.85  659.01  849.85  651.29     872  650.68
  900.13  638.41  998.58  638.41 1012.64  637.98 1062.32  633.77 1125.16  629.77
  1147.3  629.57  1189.8  628.41 1237.68  627.54 1350.19   634.7 1402.26  631.03
 1997.16  595.75 2143.18  572.23 2252.84  572.23 2368.07  586.83 2444.89  595.75
 2972.22  601.16 3183.15  603.48 3460.22  603.48 3464.39  603.54 3745.63  604.14
 3815.94  605.16 3883.27  605.47 4137.11  602.96 4167.49  600.46 4221.72  599.31
 4390.94  608.02 4560.16  622.86 4771.69  695.11 4940.91  703.82

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1997.16     .15 2444.89     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1997.16 2444.89            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.43    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)            14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       223977.10   80223.80
364269.70
  E.G. Slope (ft/ft)      0.000029    Area (sq ft)            223977.10   80223.80
364269.70
  Q Total (cfs)           943543.30    Flow (cfs)              273687.00   136506.30
```

```
  533350.00
  Top Width (ft)           4940.91    Top Width (ft)           1997.16     447.73
2496.02
  Vel Total (ft/s)            1.41    Avg. Vel. (ft/s)            1.22       1.70
   1.46
  Max Chl Dpth (ft)         188.16    Hydr. Depth (ft)          112.15     179.18
 145.94
  Conv. Total (cfs)       173727700.0    Conv. (cfs)             50391990.0
25133900.0   98201840.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2069.30     451.05
2565.87
  Min Ch El (ft)            572.23    Shear (lb/sq ft)            0.20       0.33
   0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.24       0.56
   0.38
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7417.32    1957.03
8710.60
  C & E Loss (ft)                     Cum SA (acres)             60.51      10.76
  59.45


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6300.78*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  701.82   85.17  698.61  225.52  690.09  394.66  684.96  422.86  678.25
  425.85   678.1  723.95  670.09  851.71  658.78  851.71   650.9   873.9   650.3
  902.09  638.18 1000.76  638.18 1014.85  637.75 1064.64  633.54 1127.61  629.57
 1149.81  629.36 1192.39  628.18 1240.38  627.29 1353.14   634.3 1405.32  630.65
 2001.52  595.67 2146.97  572.21 2256.82  572.21 2371.36  586.77 2447.73  595.67
 2973.18  601.18 3183.35  603.55 3459.44  603.55 3463.59  603.61 3743.83  604.09
 3813.89   605.1 3880.98  605.38 4133.91  602.82 4164.19  600.34 4218.22   599.3
 4386.84  608.18 4555.46  623.12 4766.23  694.82 4934.85   703.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2001.52     .15 2447.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2001.52 2447.73            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.42    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)            14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       224935.30   79977.08
362987.30
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            224935.30   79977.08
```

```
362987.30
  Q Total (cfs)           943542.80    Flow (cfs)              275445.60   136221.80
  531875.40
  Top Width (ft)           4934.85    Top Width (ft)           2001.52     446.21
2487.12
  Vel Total (ft/s)            1.41    Avg. Vel. (ft/s)            1.22       1.70
   1.47
  Max Chl Dpth (ft)         188.18    Hydr. Depth (ft)          112.38     179.24
 145.95
  Conv. Total (cfs)       173589500.0    Conv. (cfs)             50675450.0
25061580.0   97852450.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2073.98     449.53
2556.98
  Min Ch El (ft)            572.21    Shear (lb/sq ft)            0.20       0.33
   0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.24       0.56
   0.38
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7340.18    1929.50
8585.64
  C & E Loss (ft)                     Cum SA (acres)             59.82      10.60
  58.59


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6285.80*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  701.55   85.36  698.38  226.01  689.86  395.52  684.67  423.78  678.03
  426.78  677.87  725.53  669.96  853.56  658.54  853.56  650.51   875.8  649.92
  904.05  637.95 1002.94  637.95 1017.06  637.51 1066.95   633.3 1130.07  629.37
 1152.31  629.16 1194.99  627.95 1243.08  627.05 1356.08   633.9 1408.38  630.27
 2005.87  595.58 2150.76   572.2  2260.8   572.2 2374.66  586.71 2450.57  595.58
 2974.14   601.2 3183.56  603.61 3458.66  603.61  3462.8  603.67 3742.03  604.04
 3811.84  605.03 3878.69  605.29 4130.72  602.68 4160.89  600.22 4214.72  599.29
 4382.74  608.33 4550.75  623.37 4760.77  694.53 4928.79  703.58

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2005.87     .15 2450.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2005.87 2450.57            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.42    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)            14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       225896.10   79730.80
```

```
361716.40
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            225896.10   79730.80
361716.40
  Q Total (cfs)           943542.20    Flow (cfs)              277204.40   135932.00
  530405.70
  Top Width (ft)           4928.79    Top Width (ft)           2005.87     444.70
2478.22
  Vel Total (ft/s)            1.41    Avg. Vel. (ft/s)            1.23       1.70
   1.47
  Max Chl Dpth (ft)         188.19    Hydr. Depth (ft)          112.62     179.29
 145.96
  Conv. Total (cfs)       173457900.0    Conv. (cfs)             50960400.0
24989330.0   97508150.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2078.64     448.01
2548.09
  Min Ch El (ft)            572.20    Shear (lb/sq ft)            0.20       0.33
   0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.25       0.56
   0.38
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7262.71    1902.06
8461.11
  C & E Loss (ft)                     Cum SA (acres)             59.13      10.45
  57.74
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6270.81*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	701.27	85.54	698.15	226.5	689.63	396.38	684.39	424.7	677.8
427.71	677.65	727.1	669.84	855.42	658.31	855.42	650.13	877.7	649.55
906.02	637.73	1005.11	637.73	1019.27	637.28	1069.27	633.07	1132.52	629.17
1154.81	628.95	1197.58	627.73	1245.77	626.81	1359.03	633.5	1411.44	629.88
2010.23	595.5	2154.55	572.18	2264.77	572.18	2377.95	586.65	2453.41	595.5
2975.1	601.23	3183.77	603.68	3457.88	603.68	3462	603.74	3740.24	603.99
3809.8	604.97	3876.41	605.2	4127.52	602.55	4157.59	600.1	4211.23	599.27
4378.64	608.49	4546.05	623.62	4755.32	694.24	4922.73	703.45		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2010.23	.15	2453.41	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2010.23	2453.41	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.42    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)             14.97      14.97
```

```
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       226853.00   79483.59
360432.70
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            226853.00   79483.59
360432.70
  Q Total (cfs)           943541.70    Flow (cfs)              278970.10   135646.40
  528925.20
  Top Width (ft)           4922.73    Top Width (ft)           2010.23     443.18
2469.32
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.23       1.71
   1.47
  Max Chl Dpth (ft)         188.21    Hydr. Depth (ft)          112.85     179.35
 145.96
  Conv. Total (cfs)       173318300.0    Conv. (cfs)             51243760.0
24916760.0   97157780.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2083.32     446.49
2539.22
  Min Ch El (ft)            572.18    Shear (lb/sq ft)            0.20       0.33
   0.26
  Alpha                       1.04    Stream Power (lb/ft s)      0.25       0.56
   0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7184.92    1874.70
8337.02
  C & E Loss (ft)                     Cum SA (acres)             58.44      10.30
  56.89


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6255.83*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     701   85.73  697.92     227   689.4  397.24   684.1  425.62  677.57
  428.63  677.42  728.68  669.71  857.27  658.07  857.27  649.74  879.61  649.17
  907.98   637.5 1007.29   637.5 1021.48  637.04 1071.59  632.84 1134.98  628.97
 1157.31  628.75 1200.18   627.5 1248.47  626.56 1361.97   633.1 1414.49   629.5
 2014.58  595.42 2158.33  572.17 2268.75  572.17 2381.25  586.58 2456.25  595.42
 2976.06  601.25 3183.98  603.75  3457.1  603.75 3461.21  603.81 3738.44  603.94
 3807.75   604.9 3874.12  605.12 4124.33  602.41 4154.28  599.99 4207.73  599.26
 4374.54  608.65 4541.35  623.87 4749.86  693.94 4916.67  703.33

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2014.58     .15 2456.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2014.58 2456.25             14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.42    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
```

```
  0.150
  W.S. Elev (ft)            760.39    Reach Len. (ft)            14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       227815.10   79236.89
359152.00
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            227815.10   79236.89
359152.00
  Q Total (cfs)           943541.10    Flow (cfs)              280745.20   135357.10
  527438.90
  Top Width (ft)           4916.67    Top Width (ft)           2014.58     441.67
2460.42
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.23       1.71
   1.47
  Max Chl Dpth (ft)         188.22    Hydr. Depth (ft)          113.08     179.40
 145.97
  Conv. Total (cfs)       173182800.0    Conv. (cfs)             51529560.0
24844200.0   96809100.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2087.99     444.98
2530.33
  Min Ch El (ft)            572.17    Shear (lb/sq ft)            0.20       0.33
   0.26
  Alpha                       1.03    Stream Power (lb/ft s)      0.25       0.56
   0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7106.79    1847.43
8213.38
  C & E Loss (ft)                     Cum SA (acres)             57.75      10.14
  56.04


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6240.84*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  700.73   85.91  697.68  227.49  689.17   398.1  683.81  426.54  677.35
  429.56   677.2  730.25  669.59  859.12  657.84  859.12  649.35  881.51  648.79
  909.94  637.27 1009.47  637.27 1023.69   636.8  1073.9  632.61 1137.43  628.77
 1159.82  628.55 1202.77  627.27 1251.17  626.32 1364.92  632.71 1417.55  629.12
 2018.94  595.33 2162.12  572.15 2272.73  572.15 2384.55  586.52 2459.09  595.33
 2977.02  601.27 3184.19  603.82 3456.32  603.82 3460.41  603.87 3736.64  603.88
  3805.7  604.84 3871.83  605.03 4121.14  602.27 4150.98  599.87 4204.24  599.25
 4370.44  608.81 4536.65  624.12  4744.4  693.65 4910.61  703.21

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2018.94     .15 2459.09     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2018.94 2459.09            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.42    Element                    Left OB    Channel
```

```
Right OB
  Vel Head (ft)              0.03    Wt. n-Val.                0.150      0.150
  0.150
  W.S. Elev (ft)           760.39    Reach Len. (ft)           14.97      14.97
  14.97
  Crit W.S. (ft)                     Flow Area (sq ft)      228778.80   78990.66
357876.50
  E.G. Slope (ft/ft)      0.000030   Area (sq ft)           228778.80   78990.66
357876.50
  Q Total (cfs)           943540.60   Flow (cfs)             282520.60   135068.00
  525952.10
  Top Width (ft)           4910.61   Top Width (ft)          2018.94     440.15
2451.52
  Vel Total (ft/s)            1.42   Avg. Vel. (ft/s)           1.23       1.71
   1.47
  Max Chl Dpth (ft)         188.24   Hydr. Depth (ft)         113.32     179.46
 145.98
  Conv. Total (cfs)       173050700.0    Conv. (cfs)            51815890.0
24772240.0   96462610.0
  Length Wtd. (ft)           14.97   Wetted Per. (ft)        2092.67     443.45
2521.45
  Min Ch El (ft)            572.15   Shear (lb/sq ft)           0.20       0.33
   0.26
  Alpha                       1.03   Stream Power (lb/ft s)     0.25       0.57
   0.39
  Frctn Loss (ft)             0.00   Cum Volume (acre-ft)    7028.33    1820.24
8090.17
  C & E Loss (ft)                    Cum SA (acres)            57.05       9.99
  55.20


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6225.86*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  700.45    86.1  697.45  227.98  688.94  398.96  683.52  427.46  677.12
  430.49  676.97  731.83  669.46  860.98   657.6  860.98  648.97  883.41  648.41
  911.91  637.05 1011.65  637.05  1025.9  636.57 1076.22  632.38 1139.88  628.57
 1162.32  628.34 1205.37  627.05 1253.87  626.07 1367.86  632.31 1420.61  628.73
  2023.3  595.25 2165.91  572.14  2276.7  572.14 2387.84  586.46 2461.93  595.25
 2977.98   601.3  3184.4  603.89 3455.54  603.89 3459.62  603.94 3734.84  603.83
 3803.65  604.78 3869.54  604.94 4117.94  602.13 4147.68  599.75 4200.74  599.23
 4366.34  608.96 4531.94  624.38 4738.94  693.36 4904.55  703.09

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  2023.3     .15 2461.93     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2023.3 2461.93            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
```

E.G. Elev (ft)	760.42	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.39	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	229748.30	78740.58	356592.00
E.G. Slope (ft/ft)	0.000030	Area (sq ft)	229748.30	78740.58	356592.00
Q Total (cfs)	943540.10	Flow (cfs)	284318.30	134770.30	524451.60
Top Width (ft)	4904.55	Top Width (ft)	2023.30	438.63	2442.62
Vel Total (ft/s)	1.42	Avg. Vel. (ft/s)	1.24	1.71	1.47
Max Chl Dpth (ft)	188.25	Hydr. Depth (ft)	113.55	179.51	145.99
Conv. Total (cfs)	172915200.0	Conv. (cfs)	52104780.0	24698290.0	96112100.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2097.35	441.93	2512.57
Min Ch El (ft)	572.14	Shear (lb/sq ft)	0.20	0.33	0.26
Alpha	1.03	Stream Power (lb/ft s)	0.25	0.57	0.39
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	6949.54	1793.13	7967.40
C & E Loss (ft)		Cum SA (acres)	56.36	9.84	54.35

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6210.87*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	700.18	86.28	697.22	228.47	688.71	399.82	683.23	428.38	676.9
431.42	676.74	733.41	669.33	862.83	657.37	862.83	648.58	885.31	648.03
913.87	636.82	1013.83	636.82	1028.1	636.33	1078.54	632.15	1142.34	628.37
1164.82	628.14	1207.96	626.82	1256.57	625.83	1370.81	631.91	1423.67	628.35
2027.65	595.17	2169.7	572.12	2280.68	572.12	2391.14	586.4	2464.77	595.17
2978.94	601.32	3184.6	603.95	3454.76	603.95	3458.82	604.01	3733.05	603.78
3801.6	604.71	3867.25	604.85	4114.75	601.99	4144.38	599.64	4197.25	599.22
4362.24	609.12	4527.24	624.63	4733.49	693.07	4898.49	702.97		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2027.65	.15	2464.77	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2027.65	2464.77	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.42	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.39	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	230714.80	78494.71	355314.80
E.G. Slope (ft/ft)	0.000030	Area (sq ft)	230714.80	78494.71	355314.80
Q Total (cfs)	943539.60	Flow (cfs)	286107.30	134478.30	522954.00
Top Width (ft)	4898.49	Top Width (ft)	2027.65	437.12	2433.72
Vel Total (ft/s)	1.42	Avg. Vel. (ft/s)	1.24	1.71	1.47
Max Chl Dpth (ft)	188.27	Hydr. Depth (ft)	113.78	179.57	146.00
Conv. Total (cfs)	172783700.0	Conv. (cfs)	52392790.0	24626050.0	95764830.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2102.02	440.42	2503.69
Min Ch El (ft)	572.12	Shear (lb/sq ft)	0.20	0.33	0.26
Alpha	1.03	Stream Power (lb/ft s)	0.25	0.57	0.39
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	6870.42	1766.12	7845.07
C & E Loss (ft)		Cum SA (acres)	55.66	9.69	53.52

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6195.89*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	699.91	86.47	696.99	228.96	688.48	400.68	682.94	429.3	676.67
432.34	676.52	734.98	669.21	864.68	657.14	864.68	648.2	887.21	647.65
915.83	636.59	1016	636.59	1030.31	636.1	1080.85	631.91	1144.79	628.16
1167.32	627.93	1210.56	626.59	1259.27	625.58	1373.75	631.51	1426.73	627.97
2032.01	595.08	2173.48	572.11	2284.66	572.11	2394.43	586.33	2467.61	595.08
2979.9	601.34	3184.81	604.02	3453.98	604.02	3458.03	604.08	3731.25	603.73
3799.55	604.65	3864.96	604.76	4111.55	601.86	4141.07	599.52	4193.75	599.2
4358.14	609.28	4522.54	624.88	4728.03	692.78	4892.42	702.85		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2032.01	.15	2467.61	.15

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.

```
       2032.01 2467.61            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.42    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       231686.20   78246.53
354034.80
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            231686.20   78246.53
354034.80
  Q Total (cfs)           943539.10    Flow (cfs)              287909.30   134182.30
  521447.60
  Top Width (ft)           4892.42    Top Width (ft)           2032.01     435.60
2424.81
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.24       1.71
   1.47
  Max Chl Dpth (ft)         188.27    Hydr. Depth (ft)          114.02     179.63
 146.01
  Conv. Total (cfs)       172652300.0    Conv. (cfs)             52682710.0
24553180.0   95416420.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2106.71     438.89
2494.80
  Min Ch El (ft)            572.11    Shear (lb/sq ft)            0.21       0.33
   0.26
  Alpha                       1.03    Stream Power (lb/ft s)      0.25       0.57
   0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6790.97    1739.18
7723.18
  C & E Loss (ft)                     Cum SA (acres)             54.97       9.54
  52.68


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6180.91*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  699.64   86.65  696.75  229.45  688.25  401.54  682.65  430.22  676.44
  433.27  676.29  736.56  669.08  866.54   656.9  866.54  647.81  889.12  647.27
   917.8  636.36 1018.18  636.36 1032.52  635.86 1083.17  631.68 1147.25  627.96
 1169.83  627.73 1213.15  626.36 1261.97  625.34  1376.7  631.11 1429.79  627.59
 2036.36     595 2177.27  572.09 2288.64  572.09 2397.73  586.27 2470.45     595
 2980.86  601.36 3185.02  604.09  3453.2  604.09 3457.23  604.14 3729.45  603.68
  3797.5  604.59 3862.67  604.67 4108.36  601.72 4137.77   599.4 4190.25  599.19
 4354.04  609.44 4517.84  625.13 4722.57  692.48 4886.36  702.73

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2036.36     .15 2470.45     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2036.36 2470.45            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.42    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)            14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       232658.70   78000.32
352756.40
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            232658.70   78000.32
352756.40
  Q Total (cfs)           943538.60    Flow (cfs)              289715.40   133887.00
  519936.30
  Top Width (ft)           4886.36    Top Width (ft)           2036.36     434.09
2415.91
  Vel Total (ft/s)            1.42    Avg. Vel. (ft/s)            1.25       1.72
   1.47
  Max Chl Dpth (ft)         188.29    Hydr. Depth (ft)          114.25     179.69
 146.01
  Conv. Total (cfs)       172522800.0    Conv. (cfs)             52973480.0
24480780.0   95068580.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2111.38     437.38
2485.92
  Min Ch El (ft)            572.09    Shear (lb/sq ft)            0.21       0.33
   0.26
  Alpha                       1.03    Stream Power (lb/ft s)      0.26       0.57
   0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6711.18    1712.33
7601.73
  C & E Loss (ft)                     Cum SA (acres)             54.27       9.39
  51.85



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6165.92*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  699.36   86.84  696.52  229.94  688.03   402.4  682.36  431.14  676.22
   434.2  676.06  738.13  668.96  868.39  656.67  868.39  647.42  891.02  646.89
  919.76  636.14 1020.36  636.14 1034.73  635.63 1085.49  631.45  1149.7  627.76
 1172.33  627.52 1215.75  626.14 1264.67  625.09 1379.64  630.72 1432.85   627.2
 2040.72  594.92 2181.06  572.08 2292.61  572.08 2401.02  586.21  2473.3  594.92
 2981.82  601.39 3185.23  604.16 3452.42  604.16 3456.44  604.21 3727.65  603.63
 3795.45  604.52 3860.38  604.58 4105.17  601.58 4134.47  599.29 4186.76  599.18
 4349.95  609.59 4513.13  625.39 4717.12  692.19  4880.3  702.61

Manning's n Values        num=       3
```

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2040.72	.15	2473.3	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2040.72	2473.3	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.42	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.38	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	233631.10	77751.34	351469.30
E.G. Slope (ft/ft)	0.000030	Area (sq ft)	233631.10	77751.34	351469.30
Q Total (cfs)	943538.00	Flow (cfs)	291531.60	133587.80	518418.50
Top Width (ft)	4880.30	Top Width (ft)	2040.72	432.58	2407.00
Vel Total (ft/s)	1.42	Avg. Vel. (ft/s)	1.25	1.72	1.48
Max Chl Dpth (ft)	188.30	Hydr. Depth (ft)	114.48	179.74	146.02
Conv. Total (cfs)	172388100.0	Conv. (cfs)	53263980.0	24407020.0	94717110.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2116.08	435.87	2477.03
Min Ch El (ft)	572.08	Shear (lb/sq ft)	0.21	0.33	0.27
Alpha	1.03	Stream Power (lb/ft s)	0.26	0.57	0.39
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	6631.05	1685.57	7480.72
C & E Loss (ft)		Cum SA (acres)	53.57	9.24	51.02

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6150.94*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	699.09	87.02	696.29	230.43	687.8	403.25	682.07	432.06	675.99
435.12	675.84	739.71	668.83	870.24	656.43	870.24	647.04	892.92	646.52
921.72	635.91	1022.54	635.91	1036.94	635.39	1087.81	631.22	1152.16	627.56
1174.83	627.32	1218.34	625.91	1267.37	624.85	1382.59	630.32	1435.9	626.82
2045.08	594.83	2184.85	572.06	2296.59	572.06	2404.32	586.15	2476.14	594.83
2982.78	601.41	3185.44	604.23	3451.64	604.23	3455.64	604.28	3725.85	603.58
3793.41	604.46	3858.1	604.49	4101.97	601.44	4131.17	599.17	4183.26	599.16
4345.85	609.75	4508.43	625.64	4711.66	691.9	4874.24	702.48		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2045.08	.15	2476.14	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2045.08	2476.14	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.41	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.38	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	234609.50	77504.06	350191.70
E.G. Slope (ft/ft)	0.000030	Area (sq ft)	234609.50	77504.06	350191.70
Q Total (cfs)	943537.50	Flow (cfs)	293353.30	133289.20	516895.00
Top Width (ft)	4874.24	Top Width (ft)	2045.08	431.06	2398.10
Vel Total (ft/s)	1.42	Avg. Vel. (ft/s)	1.25	1.72	1.48
Max Chl Dpth (ft)	188.32	Hydr. Depth (ft)	114.72	179.80	146.03
Conv. Total (cfs)	172261100.0	Conv. (cfs)	53557320.0	24334530.0	94369200.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2120.76	434.34	2468.17
Min Ch El (ft)	572.06	Shear (lb/sq ft)	0.21	0.33	0.27
Alpha	1.03	Stream Power (lb/ft s)	0.26	0.57	0.39
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	6550.59	1658.89	7360.16
C & E Loss (ft)		Cum SA (acres)	52.86	9.09	50.20

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6135.95*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	698.82	87.21	696.05	230.92	687.57	404.11	681.78	432.98	675.77
436.05	675.61	741.28	668.7	872.1	656.2	872.1	646.65	894.82	646.14
923.69	635.68	1024.72	635.68	1039.15	635.16	1090.12	630.99	1154.61	627.36
1177.33	627.11	1220.94	625.68	1270.07	624.61	1385.53	629.92	1438.96	626.44
2049.43	594.75	2188.64	572.05	2300.57	572.05	2407.61	586.09	2478.98	594.75
2983.74	601.43	3185.64	604.3	3450.86	604.3	3454.85	604.35	3724.06	603.53

```
 3791.36   604.4 3855.81   604.4 4098.78   601.3 4127.87  599.05 4179.77  599.15
 4341.75  609.91 4503.73  625.89  4706.2  691.61 4868.18  702.36

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2049.43     .15 2478.98     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2049.43 2478.98            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.41    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)             14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       235587.30   77254.91
348909.40
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            235587.30   77254.91
348909.40
  Q Total (cfs)           943537.00    Flow (cfs)              295182.70   132985.30
  515369.00
  Top Width (ft)           4868.18    Top Width (ft)           2049.43     429.55
2389.20
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.25       1.72
   1.48
  Max Chl Dpth (ft)         188.33    Hydr. Depth (ft)          114.95     179.85
 146.04
  Conv. Total (cfs)       172130700.0    Conv. (cfs)             53850570.0
24260690.0   94019430.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2125.45     432.83
2459.30
  Min Ch El (ft)            572.05    Shear (lb/sq ft)            0.21       0.33
   0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.26       0.58
   0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6469.80    1632.30
7240.03
  C & E Loss (ft)                     Cum SA (acres)             52.16       8.95
  49.37


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6120.97*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  698.55    87.4  695.82  231.41  687.34  404.97  681.49   433.9  675.54
  436.98  675.39  742.86  668.58  873.95  655.96  873.95  646.26  896.72  645.76
  925.65  635.45 1026.89  635.45 1041.36  634.92 1092.44  630.76 1157.06  627.16
 1179.84  626.91 1223.53  625.45 1272.77  624.36 1388.48  629.52 1442.02  626.05
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 2053.79  594.67 2192.42  572.03 2304.55  572.03 2410.91  586.02 2481.82  594.67
  2984.7  601.45 3185.85  604.36 3450.08  604.36 3454.05  604.41 3722.26  603.48
 3789.31  604.33 3853.52  604.32 4095.58  601.17 4124.56  598.94 4176.27  599.14
 4337.65  610.06 4499.02  626.14 4700.75  691.32 4862.12  702.24

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2053.79     .15 2481.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2053.79 2481.82            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.41    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)             14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       236568.70   77007.24
347631.00
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            236568.70   77007.24
347631.00
  Q Total (cfs)           943536.50    Flow (cfs)              297015.80   132683.40
  513837.30
  Top Width (ft)           4862.12    Top Width (ft)           2053.79     428.03
2380.30
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.26       1.72
   1.48
  Max Chl Dpth (ft)         188.35    Hydr. Depth (ft)          115.19     179.91
 146.05
  Conv. Total (cfs)       172004600.0    Conv. (cfs)             54145330.0
24187890.0   93671390.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2130.14     431.31
2450.43
  Min Ch El (ft)            572.03    Shear (lb/sq ft)            0.21       0.34
   0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.26       0.58
   0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6388.67    1605.79
7120.34
  C & E Loss (ft)                     Cum SA (acres)             51.46       8.80
  48.55



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6105.98*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  698.27   87.58  695.59   231.9  687.11  405.83   681.2  434.82  675.31
   437.9  675.16  744.43  668.45  875.81  655.73  875.81  645.88  898.63  645.38
```

```
  927.61  635.23 1029.07  635.23 1043.57  634.68 1094.76  630.52 1159.52  626.96
 1182.34   626.7 1226.13  625.23 1275.47  624.12 1391.42  629.12 1445.08  625.67
 2058.14  594.58 2196.21  572.02 2308.52  572.02  2414.2  585.96 2484.66  594.58
 2985.66  601.48 3186.06  604.43  3449.3  604.43 3453.26  604.48 3720.46  603.42
 3787.26  604.27 3851.23  604.23 4092.39  601.03 4121.26  598.82 4172.78  599.12
 4333.55  610.22 4494.32  626.39 4695.29  691.02 4856.06  702.12

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2058.14     .15 2484.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2058.14 2484.66            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.41    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)             14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       237552.10   76758.71
346352.00
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            237552.10   76758.71
346352.00
  Q Total (cfs)           943535.90    Flow (cfs)              298857.10   132377.60
  512301.30
  Top Width (ft)           4856.06    Top Width (ft)           2058.14     426.52
2371.40
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.26       1.72
   1.48
  Max Chl Dpth (ft)         188.36    Hydr. Depth (ft)          115.42     179.97
 146.05
  Conv. Total (cfs)       171878700.0    Conv. (cfs)             54441130.0
24114480.0   93323070.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2134.83     429.79
2441.56
  Min Ch El (ft)            572.02    Shear (lb/sq ft)            0.21       0.34
   0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.26       0.58
   0.39
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6307.20    1579.37
7001.09
  C & E Loss (ft)                     Cum SA (acres)             50.75       8.65
  47.74



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6091.00*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
```

```
       0     698   87.77  695.36  232.39  686.88  406.69  680.92  435.74  675.09
  438.83  674.93  746.01  668.32  877.66  655.49  877.66  645.49  900.53     645
  929.58     635 1031.25     635 1045.77  634.45 1097.07  630.29 1161.97  626.76
 1184.84   626.5 1228.72     625 1278.17  623.87 1394.37  628.73 1448.14  625.29
  2062.5   594.5    2200     572  2312.5     572  2417.5   585.9  2487.5   594.5
 2986.62   601.5 3186.27   604.5 3448.52   604.5 3452.46  604.55 3718.66  603.37
 3785.21   604.2 3848.94  604.14  4089.2  600.89 4117.96   598.7 4169.28  599.11
 4329.45  610.38 4489.62  626.65 4689.83  690.73    4850     702

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  2062.5     .15  2487.5     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2062.5  2487.5            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.41    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.38    Reach Len. (ft)             14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       238535.70   76509.73
345068.10
  E.G. Slope (ft/ft)      0.000030    Area (sq ft)            238535.70   76509.73
345068.10
  Q Total (cfs)           943535.40    Flow (cfs)              300705.70   132072.50
  510757.20
  Top Width (ft)           4850.00    Top Width (ft)           2062.50     425.00
2362.50
  Vel Total (ft/s)            1.43    Avg. Vel. (ft/s)            1.26       1.73
   1.48
  Max Chl Dpth (ft)         188.38    Hydr. Depth (ft)          115.65     180.02
 146.06
  Conv. Total (cfs)       171750700.0    Conv. (cfs)             54737110.0
24041000.0   92972540.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2139.52     428.27
2432.69
  Min Ch El (ft)            572.00    Shear (lb/sq ft)            0.21       0.34
   0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.26       0.58
   0.40
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6225.39    1553.04
6882.28
  C & E Loss (ft)                     Cum SA (acres)             50.04       8.51
  46.92


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 6076.01*

INPUT
Description:
```

Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	697.73	87.95	695.12	232.89	686.65	407.55	680.63	436.66	674.86
439.76	674.71	747.59	668.2	879.51	655.26	879.51	645.11	902.43	644.62
931.54	634.77	1033.43	634.77	1047.98	634.21	1099.39	630.06	1164.43	626.56
1187.34	626.3	1231.32	624.77	1280.87	623.63	1397.31	628.33	1451.2	624.9
2066.86	594.42	2203.79	571.98	2316.48	571.98	2420.8	585.84	2490.34	594.42
2987.58	601.52	3186.48	604.57	3447.74	604.57	3451.67	604.62	3716.86	603.32
3783.16	604.14	3846.65	604.05	4086	600.75	4114.66	598.59	4165.78	599.1
4325.35	610.54	4484.92	626.9	4684.37	690.44	4843.94	701.88		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2066.86	.15	2490.34	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2066.86	2490.34	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.41	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.38	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	239522.80	76260.59	343784.90
E.G. Slope (ft/ft)	0.000030	Area (sq ft)	239522.80	76260.59	343784.90
Q Total (cfs)	943534.90	Flow (cfs)	302562.70	131765.20	509207.00
Top Width (ft)	4843.94	Top Width (ft)	2066.86	423.48	2353.60
Vel Total (ft/s)	1.43	Avg. Vel. (ft/s)	1.26	1.73	1.48
Max Chl Dpth (ft)	188.40	Hydr. Depth (ft)	115.89	180.08	146.07
Conv. Total (cfs)	171624300.0	Conv. (cfs)	55034650.0	23967430.0	92622220.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2144.22	426.75	2423.82
Min Ch El (ft)	571.98	Shear (lb/sq ft)	0.21	0.34	0.27
Alpha	1.03	Stream Power (lb/ft s)	0.27	0.58	0.40
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	6143.25	1526.78	6763.92
C & E Loss (ft)		Cum SA (acres)	49.33	8.36	46.11

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6061.03*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	697.45	88.14	694.89	233.38	686.42	408.41	680.34	437.58	674.64
440.68	674.48	749.16	668.07	881.37	655.02	881.37	644.72	904.33	644.24
933.5	634.55	1035.61	634.55	1050.19	633.98	1101.71	629.83	1166.88	626.36
1189.85	626.09	1233.91	624.55	1283.57	623.38	1400.26	627.93	1454.26	624.52
2071.21	594.33	2207.58	571.97	2320.45	571.97	2424.09	585.78	2493.18	594.33
2988.54	601.55	3186.68	604.64	3446.96	604.64	3450.88	604.68	3715.07	603.27
3781.11	604.08	3844.36	603.96	4082.81	600.61	4111.35	598.47	4162.29	599.08
4321.25	610.69	4480.21	627.15	4678.92	690.15	4837.88	701.76		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2071.21	.15	2493.18	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2071.21	2493.18	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.41	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.38	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	240512.80	76011.56	342504.90
E.G. Slope (ft/ft)	0.000030	Area (sq ft)	240512.80	76011.56	342504.90
Q Total (cfs)	943534.40	Flow (cfs)	304425.30	131454.80	507654.20
Top Width (ft)	4837.88	Top Width (ft)	2071.21	421.97	2344.70
Vel Total (ft/s)	1.43	Avg. Vel. (ft/s)	1.27	1.73	1.48
Max Chl Dpth (ft)	188.41	Hydr. Depth (ft)	116.12	180.14	146.08
Conv. Total (cfs)	171500700.0	Conv. (cfs)	55333600.0	23893770.0	92273300.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2148.91	425.23	2414.95
Min Ch El (ft)	571.97	Shear (lb/sq ft)	0.21	0.34	0.27
Alpha	1.03	Stream Power (lb/ft s)	0.27	0.58	0.40
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	6060.76	1500.62	6645.99
C & E Loss (ft)		Cum SA (acres)	48.62	8.21	45.31

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY

REACH: PALUXY RIVER RS: 6046.04*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	697.18	88.32	694.66	233.87	686.19	409.27	680.05	438.5	674.41
441.61	674.25	750.74	667.95	883.22	654.79	883.22	644.33	906.23	643.86
935.47	634.32	1037.78	634.32	1052.4	633.74	1104.03	629.6	1169.33	626.16
1192.35	625.89	1236.51	624.32	1286.27	623.14	1403.2	627.53	1457.31	624.14
2075.57	594.25	2211.36	571.95	2324.43	571.95	2427.39	585.71	2496.02	594.25
2989.5	601.57	3186.89	604.7	3446.18	604.7	3450.08	604.75	3713.27	603.22
3779.07	604.01	3842.07	603.87	4079.61	600.47	4108.05	598.35	4158.79	599.07
4317.15	610.85	4475.51	627.4	4673.46	689.86	4831.82	701.64		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2075.57	.15	2496.02	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2075.57	2496.02	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.41	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.37	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	241501.30	75763.04	341226.10
E.G. Slope (ft/ft)	0.000030	Area (sq ft)	241501.30	75763.04	341226.10
Q Total (cfs)	943533.90	Flow (cfs)	306286.80	131146.10	506101.00
Top Width (ft)	4831.82	Top Width (ft)	2075.57	420.45	2335.80
Vel Total (ft/s)	1.43	Avg. Vel. (ft/s)	1.27	1.73	1.48
Max Chl Dpth (ft)	188.42	Hydr. Depth (ft)	116.35	180.20	146.09
Conv. Total (cfs)	171377400.0	Conv. (cfs)	55631930.0	23820520.0	91924900.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2153.62	423.71	2406.09
Min Ch El (ft)	571.95	Shear (lb/sq ft)	0.21	0.34	0.27
Alpha	1.03	Stream Power (lb/ft s)	0.27	0.59	0.40
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	5977.94	1474.54	6528.50
C & E Loss (ft)		Cum SA (acres)	47.91	8.07	44.50

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6031.06*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	696.91	88.51	694.43	234.36	685.96	410.13	679.76	439.42	674.18
442.54	674.03	752.31	667.82	885.07	654.55	885.07	643.95	908.14	643.48
937.43	634.09	1039.96	634.09	1054.61	633.51	1106.34	629.37	1171.79	625.96
1194.85	625.68	1239.1	624.09	1288.97	622.9	1406.15	627.13	1460.37	623.75
2079.92	594.17	2215.15	571.94	2328.41	571.94	2430.68	585.65	2498.86	594.17
2990.46	601.59	3187.1	604.77	3445.4	604.77	3449.29	604.82	3711.47	603.17
3777.02	603.95	3839.79	603.78	4076.42	600.34	4104.75	598.24	4155.3	599.06
4313.05	611.01	4470.81	627.66	4668	689.56	4825.76	701.52		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2079.92	.15	2498.86	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2079.92	2498.86	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.41	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.37	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	242494.50	75512.73	339940.80
E.G. Slope (ft/ft)	0.000030	Area (sq ft)	242494.50	75512.73	339940.80
Q Total (cfs)	943533.40	Flow (cfs)	308167.40	130831.50	504534.60
Top Width (ft)	4825.76	Top Width (ft)	2079.92	418.94	2326.90
Vel Total (ft/s)	1.43	Avg. Vel. (ft/s)	1.27	1.73	1.48
Max Chl Dpth (ft)	188.43	Hydr. Depth (ft)	116.59	180.25	146.09
Conv. Total (cfs)	171252500.0	Conv. (cfs)	55932760.0	23746080.0	91573660.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2158.30	422.20	2397.22
Min Ch El (ft)	571.94	Shear (lb/sq ft)	0.21	0.34	0.27
Alpha	1.03	Stream Power (lb/ft s)	0.27	0.59	0.40
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	5894.77	1448.55	6411.46
C & E Loss (ft)		Cum SA (acres)	47.19	7.93	43.70

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6016.07*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	696.64	88.69	694.19	234.85	685.73	410.98	679.47	440.34	673.96
443.46	673.8	753.89	667.69	886.93	654.32	886.93	643.56	910.04	643.11
939.39	633.86	1042.14	633.86	1056.82	633.27	1108.66	629.13	1174.24	625.76
1197.35	625.48	1241.7	623.86	1291.67	622.65	1409.09	626.73	1463.43	623.37
2084.28	594.08	2218.94	571.92	2332.39	571.92	2433.98	585.59	2501.7	594.08
2991.42	601.61	3187.31	604.84	3444.62	604.84	3448.49	604.89	3709.67	603.12
3774.97	603.89	3837.5	603.69	4073.23	600.2	4101.45	598.12	4151.8	599.04
4308.95	611.16	4466.11	627.91	4662.55	689.27	4819.7	701.39		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2084.28	.15	2501.7	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2084.28	2501.7	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.37	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	243494.40	75263.89	338663.70
E.G. Slope (ft/ft)	0.000030	Area (sq ft)	243494.40	75263.89	338663.70
Q Total (cfs)	943532.90	Flow (cfs)	310051.00	130517.70	502964.20
Top Width (ft)	4819.70	Top Width (ft)	2084.28	417.42	2318.00
Vel Total (ft/s)	1.44	Avg. Vel. (ft/s)	1.27	1.73	1.49
Max Chl Dpth (ft)	188.45	Hydr. Depth (ft)	116.82	180.31	146.10
Conv. Total (cfs)	171134200.0	Conv. (cfs)	56235820.0	23672780.0	91225640.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2163.01	420.68	2388.37
Min Ch El (ft)	571.92	Shear (lb/sq ft)	0.21	0.34	0.27
Alpha	1.03	Stream Power (lb/ft s)	0.27	0.59	0.40
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	5811.26	1422.64	6294.85
C & E Loss (ft)		Cum SA (acres)	46.48	7.78	42.90

Warning: The cross-section end points had to be extended vertically for the computed

water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 6001.09*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	696.36	88.88	693.96	235.34	685.51	411.84	679.18	441.26	673.73
444.39	673.58	755.46	667.57	888.78	654.08	888.78	643.17	911.94	642.73
941.36	633.64	1044.32	633.64	1059.03	633.03	1110.98	628.9	1176.7	625.56
1199.85	625.27	1244.29	623.64	1294.37	622.41	1412.04	626.34	1466.49	622.99
2088.64	594	2222.73	571.91	2336.36	571.91	2437.27	585.53	2504.55	594
2992.38	601.64	3187.52	604.91	3443.84	604.91	3447.7	604.95	3707.87	603.07
3772.92	603.82	3835.21	603.61	4070.03	600.06	4098.14	598	4148.31	599.03
4304.85	611.32	4461.4	628.16	4657.09	688.98	4813.64	701.27		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2088.64	.15	2504.55	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2088.64	2504.55	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.37	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	244484.20	75013.13	337375.00
E.G. Slope (ft/ft)	0.000030	Area (sq ft)	244484.20	75013.13	337375.00
Q Total (cfs)	943532.40	Flow (cfs)	311935.10	130203.20	501394.10
Top Width (ft)	4813.64	Top Width (ft)	2088.64	415.91	2309.09
Vel Total (ft/s)	1.44	Avg. Vel. (ft/s)	1.28	1.74	1.49
Max Chl Dpth (ft)	188.46	Hydr. Depth (ft)	117.05	180.36	146.11
Conv. Total (cfs)	171006400.0	Conv. (cfs)	56535300.0	23598100.0	90872970.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2167.72	419.16	2379.50
Min Ch El (ft)	571.91	Shear (lb/sq ft)	0.21	0.34	0.27
Alpha	1.03	Stream Power (lb/ft s)	0.27	0.59	0.40
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	5727.41	1396.81	6178.69
C & E Loss (ft)		Cum SA (acres)	45.76	7.64	42.11

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5986.10*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	696.09	89.06	693.73	235.83	685.28	412.7	678.89	442.18	673.51
445.32	673.35	757.04	667.44	890.63	653.85	890.63	642.79	913.84	642.35
943.32	633.41	1046.5	633.41	1061.24	632.8	1113.29	628.67	1179.15	625.36
1202.36	625.07	1246.89	623.41	1297.07	622.16	1414.98	625.94	1469.55	622.6
2092.99	593.92	2226.51	571.89	2340.34	571.89	2440.57	585.47	2507.39	593.92
2993.34	601.66	3187.72	604.98	3443.06	604.98	3446.9	605.02	3706.08	603.02
3770.87	603.76	3832.92	603.52	4066.84	599.92	4094.84	597.89	4144.81	599.02
4300.75	611.48	4456.7	628.41	4651.63	688.69	4807.58	701.15		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2092.99	.15	2507.39	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2092.99	2507.39	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.37	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	245485.10	74764.83	336091.00
E.G. Slope (ft/ft)	0.000030	Area (sq ft)	245485.10	74764.83	336091.00
Q Total (cfs)	943531.90	Flow (cfs)	313834.10	129888.90	499808.90
Top Width (ft)	4807.58	Top Width (ft)	2092.99	414.40	2300.19
Vel Total (ft/s)	1.44	Avg. Vel. (ft/s)	1.28	1.74	1.49
Max Chl Dpth (ft)	188.48	Hydr. Depth (ft)	117.29	180.42	146.11
Conv. Total (cfs)	170886200.0	Conv. (cfs)	56839540.0	23524610.0	90522070.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2172.42	417.65	2370.64
Min Ch El (ft)	571.89	Shear (lb/sq ft)	0.22	0.34	0.27
Alpha	1.03	Stream Power (lb/ft s)	0.27	0.59	0.40
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	5643.22	1371.08	6062.96
C & E Loss (ft)		Cum SA (acres)	45.04	7.50	41.31

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5971.12*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	695.82	89.25	693.49	236.32	685.05	413.56	678.6	443.1	673.28
446.24	673.12	758.62	667.32	892.49	653.61	892.49	642.4	915.74	641.97
945.28	633.18	1048.67	633.18	1063.44	632.56	1115.61	628.44	1181.6	625.16
1204.86	624.86	1249.48	623.18	1299.77	621.92	1417.93	625.54	1472.61	622.22
2097.35	593.83	2230.3	571.88	2344.32	571.88	2443.86	585.4	2510.23	593.83
2994.3	601.68	3187.93	605.05	3442.28	605.05	3446.11	605.09	3704.28	602.96
3768.82	603.69	3830.63	603.43	4063.64	599.78	4091.54	597.77	4141.31	599
4296.66	611.64	4452	628.66	4646.17	688.4	4801.52	701.03		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2097.35	.15	2510.23	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2097.35	2510.23	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.37	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	246488.80	74513.93	334813.00
E.G. Slope (ft/ft)	0.000031	Area (sq ft)	246488.80	74513.93	334813.00
Q Total (cfs)	943531.40	Flow (cfs)	315736.30	129567.60	498227.60
Top Width (ft)	4801.52	Top Width (ft)	2097.35	412.88	2291.29
Vel Total (ft/s)	1.44	Avg. Vel. (ft/s)	1.28	1.74	1.49
Max Chl Dpth (ft)	188.49	Hydr. Depth (ft)	117.52	180.47	146.12
Conv. Total (cfs)	170769000.0	Conv. (cfs)	57144870.0	23450340.0	90173820.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2177.12	416.13	2361.79
Min Ch El (ft)	571.88	Shear (lb/sq ft)	0.22	0.34	0.27
Alpha	1.03	Stream Power (lb/ft s)	0.28	0.59	0.40
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	5558.68	1345.43	5947.68

```
  C & E Loss (ft)                     Cum SA (acres)            44.32       7.35
  40.53


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5956.13*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  695.55   89.43  693.26  236.81  684.82  414.42  678.31  444.02  673.05
  447.17   672.9  760.19  667.19  894.34  653.38  894.34  642.02  917.65  641.59
  947.25  632.95 1050.85  632.95 1065.65  632.33 1117.93  628.21 1184.06  624.96
 1207.36  624.66 1252.08  622.95 1302.46  621.67 1420.87  625.14 1475.66  621.84
  2101.7  593.75 2234.09  571.86  2348.3  571.86 2447.16  585.34 2513.07  593.75
 2995.26   601.7 3188.14  605.11  3441.5  605.11 3445.31  605.16 3702.48  602.91
 3766.77  603.63 3828.34  603.34 4060.45  599.65 4088.24  597.65 4137.82  598.99
 4292.56  611.79 4447.29  628.92 4640.72   688.1 4795.46  700.91

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  2101.7     .15 2513.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2101.7 2513.07            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.40    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.37    Reach Len. (ft)            14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       247488.80   74265.25
333532.80
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            247488.80   74265.25
333532.80
  Q Total (cfs)           943530.90    Flow (cfs)              317638.10   129250.10
  496642.70
  Top Width (ft)           4795.46    Top Width (ft)           2101.70     411.37
2282.39
  Vel Total (ft/s)            1.44    Avg. Vel. (ft/s)            1.28       1.74
   1.49
  Max Chl Dpth (ft)         188.51    Hydr. Depth (ft)          117.76     180.53
 146.13
  Conv. Total (cfs)       170650400.0    Conv. (cfs)             57449170.0
23376640.0   89824600.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2181.82     414.62
2352.93
  Min Ch El (ft)            571.86    Shear (lb/sq ft)            0.22       0.34
   0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.28       0.59
   0.40
```

Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	5473.80	1319.86	5832.84
C & E Loss (ft)		Cum SA (acres)	43.60	7.21	39.74

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5941.15*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	695.27	89.62	693.03	237.3	684.59	415.28	678.02	444.94	672.83
448.1	672.67	761.77	667.06	896.2	653.14	896.2	641.63	919.55	641.21
949.21	632.73	1053.03	632.73	1067.86	632.09	1120.24	627.98	1186.51	624.75
1209.86	624.45	1254.67	622.73	1305.16	621.43	1423.82	624.74	1478.72	621.46
2106.06	593.67	2237.88	571.85	2352.27	571.85	2450.45	585.28	2515.91	593.67
2996.22	601.73	3188.35	605.18	3440.72	605.18	3444.52	605.22	3700.68	602.86
3764.72	603.57	3826.05	603.25	4057.26	599.51	4084.93	597.54	4134.32	598.98
4288.46	611.95	4442.59	629.17	4635.26	687.81	4789.39	700.79		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2106.06	.15	2515.91	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2106.06	2515.91	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.40	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150	
W.S. Elev (ft)	760.37	Reach Len. (ft)	14.97	14.97	14.97	
Crit W.S. (ft)		Flow Area (sq ft)	248494.00	74012.21	332246.20	
E.G. Slope (ft/ft)	0.000031	Area (sq ft)	248494.00	74012.21	332246.20	
Q Total (cfs)	943530.30	Flow (cfs)	319557.90	128924.20	495048.20	
Top Width (ft)	4789.39	Top Width (ft)	2106.06	409.85	2273.48	
Vel Total (ft/s)	1.44	Avg. Vel. (ft/s)	1.29	1.74	1.49	
Max Chl Dpth (ft)	188.52	Hydr. Depth (ft)	117.99	180.58	146.14	
Conv. Total (cfs)	170529200.0	Conv. (cfs)	57755380.0	23301150.0	89472670.0	
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2186.54	413.09	2344.07	
Min Ch El (ft)	571.85	Shear (lb/sq ft)	0.22	0.34	0.27	

Alpha	1.03	Stream Power (lb/ft s)	0.28	0.60	0.40
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	5388.58	1294.38	5718.44
C & E Loss (ft)		Cum SA (acres)	42.88	7.07	38.96

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5926.16*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	695	89.8	692.8	237.79	684.36	416.14	677.73	445.86	672.6
449.02	672.44	763.34	666.94	898.05	652.91	898.05	641.24	921.45	640.83
951.17	632.5	1055.21	632.5	1070.07	631.86	1122.56	627.74	1188.97	624.55
1212.37	624.25	1257.27	622.5	1307.86	621.19	1426.76	624.35	1481.78	621.07
2110.42	593.58	2241.67	571.83	2356.25	571.83	2453.75	585.22	2518.75	593.58
2997.18	601.75	3188.56	605.25	3439.94	605.25	3443.72	605.29	3698.89	602.81
3762.68	603.5	3823.76	603.16	4054.06	599.37	4081.63	597.42	4130.83	598.96
4284.36	612.11	4437.89	629.42	4629.8	687.52	4783.33	700.67		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2110.42	.15	2518.75	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2110.42	2518.75	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.40	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150	
W.S. Elev (ft)	760.37	Reach Len. (ft)	14.97	14.97	14.97	
Crit W.S. (ft)		Flow Area (sq ft)	249505.30	73762.55	330966.80	
E.G. Slope (ft/ft)	0.000031	Area (sq ft)	249505.30	73762.55	330966.80	
Q Total (cfs)	943529.80	Flow (cfs)	321480.70	128602.20	493446.90	
Top Width (ft)	4783.33	Top Width (ft)	2110.42	408.33	2264.58	
Vel Total (ft/s)	1.44	Avg. Vel. (ft/s)	1.29	1.74	1.49	
Max Chl Dpth (ft)	188.54	Hydr. Depth (ft)	118.23	180.64	146.15	
Conv. Total (cfs)	170415200.0	Conv. (cfs)	58064070.0	23227410.0	89123660.0	
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2191.26	411.57	2335.22	

Min Ch El (ft)	571.83	Shear (lb/sq ft)	0.22	0.34	0.27
Alpha	1.03	Stream Power (lb/ft s)	0.28	0.60	0.40
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	5303.00	1268.99	5604.47
C & E Loss (ft)		Cum SA (acres)	42.15	6.93	38.18

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5911.18*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	694.73	89.99	692.56	238.28	684.13	417	677.45	446.78	672.38
449.95	672.22	764.92	666.81	899.9	652.68	899.9	640.86	923.35	640.45
953.14	632.27	1057.39	632.27	1072.28	631.62	1124.88	627.51	1191.42	624.35
1214.87	624.05	1259.86	622.27	1310.56	620.94	1429.71	623.95	1484.84	620.69
2114.77	593.5	2245.45	571.82	2360.23	571.82	2457.05	585.15	2521.59	593.5
2998.14	601.77	3188.76	605.32	3439.16	605.32	3442.93	605.36	3697.09	602.76
3760.63	603.44	3821.48	603.07	4050.87	599.23	4078.33	597.3	4127.33	598.95
4280.26	612.27	4433.19	629.67	4624.35	687.23	4777.27	700.55		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2114.77	.15	2521.59	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2114.77	2521.59	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.40	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150	
W.S. Elev (ft)	760.36	Reach Len. (ft)	14.97	14.97	14.97	
Crit W.S. (ft)		Flow Area (sq ft)	250512.60	73512.16	329683.70	
E.G. Slope (ft/ft)	0.000031	Area (sq ft)	250512.60	73512.16	329683.70	
Q Total (cfs)	943529.30	Flow (cfs)	323407.30	128278.20	491843.90	
Top Width (ft)	4777.27	Top Width (ft)	2114.77	406.82	2255.68	
Vel Total (ft/s)	1.44	Avg. Vel. (ft/s)	1.29	1.74	1.49	
Max Chl Dpth (ft)	188.54	Hydr. Depth (ft)	118.46	180.70	146.16	
Conv. Total (cfs)	170297700.0	Conv. (cfs)	58371800.0	23152930.0	88772940.0	

Length Wtd. (ft)	14.97	Wetted Per. (ft)	2195.96	410.06	2326.37
Min Ch El (ft)	571.82	Shear (lb/sq ft)	0.22	0.34	0.27
Alpha	1.03	Stream Power (lb/ft s)	0.28	0.60	0.41
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	5217.08	1243.68	5490.95
C & E Loss (ft)		Cum SA (acres)	41.43	6.79	37.40

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5896.19*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	694.45	90.18	692.33	238.78	683.9	417.86	677.16	447.7	672.15
450.88	671.99	766.49	666.68	901.76	652.44	901.76	640.47	925.25	640.08
955.1	632.05	1059.56	632.05	1074.49	631.39	1127.2	627.28	1193.88	624.15
1217.37	623.84	1262.46	622.05	1313.26	620.7	1432.65	623.55	1487.9	620.31
2119.13	593.42	2249.24	571.8	2364.2	571.8	2460.34	585.09	2524.43	593.42
2999.1	601.8	3188.97	605.39	3438.38	605.39	3442.13	605.43	3695.29	602.71
3758.58	603.38	3819.19	602.98	4047.67	599.09	4075.03	597.19	4123.83	598.94
4276.16	612.42	4428.48	629.93	4618.89	686.94	4771.21	700.42		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2119.13	.15	2524.43	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2119.13	2524.43	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.36	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	251523.10	73261.00	328396.60
E.G. Slope (ft/ft)	0.000031	Area (sq ft)	251523.10	73261.00	328396.60
Q Total (cfs)	943528.80	Flow (cfs)	325344.60	127953.70	490230.60
Top Width (ft)	4771.21	Top Width (ft)	2119.13	405.30	2246.78
Vel Total (ft/s)	1.44	Avg. Vel. (ft/s)	1.29	1.75	1.49
Max Chl Dpth (ft)	188.56	Hydr. Depth (ft)	118.69	180.76	146.16

Conv. Total (cfs)	170179200.0	Conv. (cfs)	58680640.0	23078320.0	88420240.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2200.69	408.54	2317.53
Min Ch El (ft)	571.80	Shear (lb/sq ft)	0.22	0.34	0.27
Alpha	1.03	Stream Power (lb/ft s)	0.28	0.60	0.41
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	5130.82	1218.46	5377.87
C & E Loss (ft)		Cum SA (acres)	40.70	6.65	36.63

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5881.21*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	694.18	90.36	692.1	239.27	683.67	418.72	676.87	448.62	671.92
451.81	671.77	768.07	666.56	903.61	652.21	903.61	640.08	927.16	639.7
957.06	631.82	1061.74	631.82	1076.7	631.15	1129.51	627.05	1196.33	623.95
1219.87	623.64	1265.05	621.82	1315.96	620.45	1435.6	623.15	1490.96	619.92
2123.48	593.33	2253.03	571.79	2368.18	571.79	2463.64	585.03	2527.27	593.33
3000.06	601.82	3189.18	605.45	3437.6	605.45	3441.34	605.49	3693.49	602.66
3756.53	603.31	3816.9	602.89	4044.48	598.96	4071.72	597.07	4120.34	598.92
4272.06	612.58	4423.78	630.18	4613.43	686.64	4765.15	700.3		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2123.48	.15	2527.27	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2123.48	2527.27	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.36	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	252538.80	73010.29	327121.80
E.G. Slope (ft/ft)	0.000031	Area (sq ft)	252538.80	73010.29	327121.80
Q Total (cfs)	943528.30	Flow (cfs)	327282.00	127623.10	488623.10
Top Width (ft)	4765.15	Top Width (ft)	2123.48	403.79	2237.88
Vel Total (ft/s)	1.45	Avg. Vel. (ft/s)	1.30	1.75	1.49

```
  Max Chl Dpth (ft)         188.57    Hydr. Depth (ft)          118.93     180.81
 146.17
  Conv. Total (cfs)       170068800.0    Conv. (cfs)             58991830.0
23003780.0   88073200.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2205.41     407.02
2308.68
  Min Ch El (ft)            571.79    Shear (lb/sq ft)            0.22       0.34
   0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.29       0.60
   0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5044.20    1193.33
5265.23
  C & E Loss (ft)                     Cum SA (acres)             39.97       6.51
  35.86


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5866.22*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  693.91   90.55  691.87  239.76  683.44  419.57  676.58  449.54   671.7
  452.73  671.54  769.64  666.43  905.46  651.97  905.46   639.7  929.06  639.32
  959.03  631.59 1063.92  631.59 1078.91  630.91 1131.83  626.82 1198.78  623.75
 1222.38  623.43 1267.65  621.59 1318.66  620.21 1438.54  622.75 1494.02  619.54
 2127.84  593.25 2256.82  571.77 2372.16  571.77 2466.93  584.97 2530.11  593.25
 3001.02  601.84 3189.39  605.52 3436.82  605.52 3440.54  605.56 3691.69  602.61
 3754.48  603.25 3814.61  602.81 4041.28  598.82 4068.42  596.95 4116.84  598.91
 4267.96  612.74 4419.08  630.43 4607.97  686.35 4759.09  700.18

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2127.84     .15 2530.11     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2127.84 2530.11            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.40    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.36    Reach Len. (ft)            14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       253555.20   72758.80
325836.20
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            253555.20   72758.80
325836.20
  Q Total (cfs)           943527.80    Flow (cfs)              329234.50   127294.10
  486999.20
  Top Width (ft)           4759.09    Top Width (ft)           2127.84     402.27
2228.98
```

Vel Total (ft/s)	1.45	Avg. Vel. (ft/s)	1.30	1.75	1.49
Max Chl Dpth (ft)	188.59	Hydr. Depth (ft)	119.16	180.87	146.18
Conv. Total (cfs)	169954000.0	Conv. (cfs)	59303720.0	22928990.0	87721250.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2210.11	405.50	2299.84
Min Ch El (ft)	571.77	Shear (lb/sq ft)	0.22	0.35	0.27
Alpha	1.03	Stream Power (lb/ft s)	0.29	0.60	0.41
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	4957.24	1168.28	5153.04
C & E Loss (ft)		Cum SA (acres)	39.24	6.37	35.09

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5851.24*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	693.64	90.73	691.63	240.25	683.21	420.43	676.29	450.46	671.47
453.66	671.31	771.22	666.31	907.32	651.74	907.32	639.31	930.96	638.94
960.99	631.36	1066.1	631.36	1081.11	630.68	1134.15	626.59	1201.24	623.55
1224.88	623.23	1270.24	621.36	1321.36	619.96	1441.48	622.36	1497.07	619.16
2132.2	593.17	2260.61	571.76	2376.14	571.76	2470.23	584.91	2532.95	593.17
3001.98	601.86	3189.6	605.59	3436.04	605.59	3439.75	605.63	3689.9	602.56
3752.43	603.18	3812.32	602.72	4038.09	598.68	4065.12	596.84	4113.35	598.89
4263.86	612.89	4414.38	630.68	4602.52	686.06	4753.03	700.06		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2132.2	.15	2532.95	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2132.2	2532.95	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.40	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150	
W.S. Elev (ft)	760.36	Reach Len. (ft)	14.97	14.97	14.97	
Crit W.S. (ft)		Flow Area (sq ft)	254571.20	72504.98	324554.80	
E.G. Slope (ft/ft)	0.000031	Area (sq ft)	254571.20	72504.98	324554.80	
Q Total (cfs)	943527.30	Flow (cfs)	331186.90	126958.10	485382.20	

Top Width (ft)	4753.03	Top Width (ft)	2132.20	400.75	2220.08
Vel Total (ft/s)	1.45	Avg. Vel. (ft/s)	1.30	1.75	1.50
Max Chl Dpth (ft)	188.60	Hydr. Depth (ft)	119.39	180.92	146.19
Conv. Total (cfs)	169839500.0	Conv. (cfs)	59615250.0	22853080.0	87371150.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2214.84	403.98	2290.99
Min Ch El (ft)	571.76	Shear (lb/sq ft)	0.22	0.35	0.27
Alpha	1.03	Stream Power (lb/ft s)	0.29	0.61	0.41
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	4869.93	1143.32	5041.28
C & E Loss (ft)		Cum SA (acres)	38.51	6.24	34.32

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5836.25*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	693.36	90.92	691.4	240.74	682.99	421.29	676	451.38	671.25
454.59	671.09	772.8	666.18	909.17	651.5	909.17	638.93	932.86	638.56
962.95	631.14	1068.28	631.14	1083.32	630.44	1136.46	626.35	1203.69	623.35
1227.38	623.02	1272.84	621.14	1324.06	619.72	1444.43	621.96	1500.13	618.77
2136.55	593.08	2264.39	571.74	2380.11	571.74	2473.52	584.84	2535.8	593.08
3002.94	601.89	3189.8	605.66	3435.26	605.66	3438.95	605.7	3688.1	602.5
3750.38	603.12	3810.03	602.63	4034.9	598.54	4061.82	596.72	4109.85	598.88
4259.76	613.05	4409.67	630.93	4597.06	685.77	4746.97	699.94		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2136.55	.15	2535.8	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2136.55	2535.8	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.39	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.36	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	255592.20	72258.38	323268.50
E.G. Slope (ft/ft)	0.000031	Area (sq ft)	255592.20	72258.38	323268.50

Q Total (cfs)	943526.80	Flow (cfs)	333149.30	126635.90	483741.60
Top Width (ft)	4746.97	Top Width (ft)	2136.55	399.25	2211.17
Vel Total (ft/s)	1.45	Avg. Vel. (ft/s)	1.30	1.75	1.50
Max Chl Dpth (ft)	188.62	Hydr. Depth (ft)	119.63	180.99	146.20
Conv. Total (cfs)	169728600.0	Conv. (cfs)	59929380.0	22780210.0	87019050.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2219.55	402.48	2282.14
Min Ch El (ft)	571.74	Shear (lb/sq ft)	0.22	0.35	0.27
Alpha	1.03	Stream Power (lb/ft s)	0.29	0.61	0.41
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	4782.27	1118.45	4929.96
C & E Loss (ft)		Cum SA (acres)	37.78	6.10	33.56

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5821.27*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	693.09	91.1	691.17	241.23	682.76	422.15	675.71	452.3	671.02
455.51	670.86	774.37	666.05	911.02	651.27	911.02	638.54	934.76	638.18
964.92	630.91	1070.45	630.91	1085.53	630.21	1138.78	626.12	1206.15	623.15
1229.88	622.82	1275.43	620.91	1326.76	619.48	1447.37	621.56	1503.19	618.39
2140.91	593	2268.18	571.73	2384.09	571.73	2476.82	584.78	2538.64	593
3003.91	601.91	3190.01	605.73	3434.48	605.73	3438.16	605.76	3686.3	602.45
3748.34	603.06	3807.74	602.54	4031.7	598.4	4058.52	596.6	4106.36	598.87
4255.66	613.21	4404.97	631.19	4591.6	685.48	4740.91	699.82		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2140.91	.15	2538.64	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2140.91	2538.64	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.39	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.36	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	256613.60	72004.25	321983.70

E.G. Slope (ft/ft)	0.000031	Area (sq ft)	256613.60	72004.25	321983.70
Q Total (cfs)	943526.30	Flow (cfs)	335119.70	126297.60	482109.10
Top Width (ft)	4740.91	Top Width (ft)	2140.91	397.73	2202.27
Vel Total (ft/s)	1.45	Avg. Vel. (ft/s)	1.31	1.75	1.50
Max Chl Dpth (ft)	188.63	Hydr. Depth (ft)	119.86	181.04	146.21
Conv. Total (cfs)	169615000.0	Conv. (cfs)	60243480.0	22704140.0	86667340.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2224.28	400.95	2273.30
Min Ch El (ft)	571.73	Shear (lb/sq ft)	0.22	0.35	0.27
Alpha	1.03	Stream Power (lb/ft s)	0.29	0.61	0.41
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	4694.25	1093.66	4819.09
C & E Loss (ft)		Cum SA (acres)	37.04	5.96	32.80

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5806.29*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	692.82	91.29	690.94	241.72	682.53	423.01	675.42	453.22	670.8
456.44	670.63	775.95	665.93	912.88	651.03	912.88	638.15	936.66	637.8
966.88	630.68	1072.63	630.68	1087.74	629.97	1141.1	625.89	1208.6	622.95
1232.39	622.61	1278.03	620.68	1329.46	619.23	1450.32	621.16	1506.25	618.01
2145.26	592.92	2271.97	571.71	2388.07	571.71	2480.11	584.72	2541.48	592.92
3004.87	601.93	3190.22	605.8	3433.7	605.8	3437.36	605.83	3684.5	602.4
3746.29	602.99	3805.45	602.45	4028.51	598.27	4055.21	596.49	4102.86	598.85
4251.56	613.37	4400.27	631.44	4586.15	685.19	4734.85	699.7		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2145.26	.15	2541.48	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2145.26	2541.48	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.39	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.36	Reach Len. (ft)	14.97	14.97	14.97

Crit W.S. (ft)		Flow Area (sq ft)	257634.50	71753.82	320698.80
E.G. Slope (ft/ft)	0.000031	Area (sq ft)	257634.50	71753.82	320698.80
Q Total (cfs)	943525.80	Flow (cfs)	337091.20	125965.60	480469.00
Top Width (ft)	4734.85	Top Width (ft)	2145.26	396.22	2193.37
Vel Total (ft/s)	1.45	Avg. Vel. (ft/s)	1.31	1.76	1.50
Max Chl Dpth (ft)	188.65	Hydr. Depth (ft)	120.09	181.10	146.21
Conv. Total (cfs)	169503000.0	Conv. (cfs)	60557910.0	22629530.0	86315520.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2229.00	399.44	2264.47
Min Ch El (ft)	571.71	Shear (lb/sq ft)	0.22	0.35	0.27
Alpha	1.03	Stream Power (lb/ft s)	0.29	0.61	0.41
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	4605.89	1068.96	4708.65
C & E Loss (ft)		Cum SA (acres)	36.30	5.82	32.05

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5791.30*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	692.55	91.47	690.7	242.21	682.3	423.87	675.13	454.15	670.57
457.37	670.41	777.52	665.8	914.73	650.8	914.73	637.77	938.57	637.42
968.84	630.45	1074.81	630.45	1089.95	629.74	1143.42	625.66	1211.05	622.75
1234.89	622.41	1280.63	620.45	1332.16	618.99	1453.26	620.76	1509.31	617.62
2149.62	592.83	2275.76	571.7	2392.05	571.7	2483.41	584.66	2544.32	592.83
3005.83	601.95	3190.43	605.86	3432.92	605.86	3436.57	605.9	3682.7	602.35
3744.24	602.93	3803.17	602.36	4025.31	598.13	4051.91	596.37	4099.36	598.84
4247.46	613.52	4395.56	631.69	4580.69	684.89	4728.79	699.58		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2149.62	.15	2544.32	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2149.62	2544.32	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.39	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150

```
  W.S. Elev (ft)            760.36    Reach Len. (ft)            14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       258665.80   71500.25
319422.10
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            258665.80   71500.25
319422.10
  Q Total (cfs)           943525.30    Flow (cfs)              339074.80   125622.40
  478828.20
  Top Width (ft)           4728.79    Top Width (ft)           2149.62     394.70
2184.47
  Vel Total (ft/s)            1.45    Avg. Vel. (ft/s)            1.31       1.76
   1.50
  Max Chl Dpth (ft)         188.66    Hydr. Depth (ft)          120.33     181.15
 146.22
  Conv. Total (cfs)       169397700.0    Conv. (cfs)             60876480.0
22553870.0   85967380.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2233.72     397.92
2255.63
  Min Ch El (ft)            571.70    Shear (lb/sq ft)            0.22       0.35
   0.27
  Alpha                       1.03    Stream Power (lb/ft s)      0.29       0.61
   0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4517.17    1044.34
4598.66
  C & E Loss (ft)                     Cum SA (acres)             35.57       5.69
  31.30


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5776.32*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  692.27   91.66  690.47   242.7  682.07  424.73  674.84  455.07  670.34
  458.29  670.18   779.1  665.68  916.59  650.56  916.59  637.38  940.47  637.05
  970.81  630.23 1076.99  630.23 1092.16   629.5 1145.73  625.43 1213.51  622.55
 1237.39   622.2 1283.22  620.23 1334.86  618.74 1456.21  620.37 1512.37  617.24
 2153.98  592.75 2279.55  571.68 2396.02  571.68  2486.7   584.6 2547.16  592.75
 3006.79  601.98 3190.64  605.93 3432.14  605.93 3435.77  605.97 3680.91   602.3
 3742.19  602.87 3800.88  602.27 4022.12  597.99 4048.61  596.25 4095.87  598.83
 4243.37  613.68 4390.86  631.94 4575.23   684.6 4722.73  699.45

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2153.98     .15 2547.16     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2153.98 2547.16            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.39    Element                    Left OB    Channel
Right OB
```

Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.36	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	259690.20	71247.68	318134.50
E.G. Slope (ft/ft)	0.000031	Area (sq ft)	259690.20	71247.68	318134.50
Q Total (cfs)	943524.80	Flow (cfs)	341060.90	125286.10	477177.90
Top Width (ft)	4722.73	Top Width (ft)	2153.98	393.18	2175.57
Vel Total (ft/s)	1.45	Avg. Vel. (ft/s)	1.31	1.76	1.50
Max Chl Dpth (ft)	188.68	Hydr. Depth (ft)	120.56	181.21	146.23
Conv. Total (cfs)	169284800.0	Conv. (cfs)	61192280.0	22478510.0	85614050.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2238.46	396.40	2246.80
Min Ch El (ft)	571.68	Shear (lb/sq ft)	0.22	0.35	0.27
Alpha	1.03	Stream Power (lb/ft s)	0.30	0.61	0.41
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	4428.10	1019.81	4489.11
C & E Loss (ft)		Cum SA (acres)	34.83	5.55	30.55

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5761.33*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	692	91.84	690.24	243.19	681.84	425.59	674.55	455.99	670.12
459.22	669.96	780.67	665.55	918.44	650.33	918.44	636.99	942.37	636.67
972.77	630	1079.17	630	1094.37	629.26	1148.05	625.2	1215.96	622.35
1239.89	622	1285.82	620	1337.56	618.5	1459.15	619.97	1515.43	616.86
2158.33	592.67	2283.33	571.67	2400	571.67	2490	584.53	2550	592.67
3007.75	602	3190.84	606	3431.36	606	3434.98	606.03	3679.11	602.25
3740.14	602.8	3798.59	602.18	4018.93	597.85	4045.31	596.14	4092.37	598.81
4239.27	613.84	4386.16	632.2	4569.77	684.31	4716.67	699.33		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2158.33	.15	2550	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2158.33	2550	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.39	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.36	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	260716.60	70995.52	316849.80
E.G. Slope (ft/ft)	0.000031	Area (sq ft)	260716.60	70995.52	316849.80
Q Total (cfs)	943524.30	Flow (cfs)	343051.10	124947.00	475526.30
Top Width (ft)	4716.67	Top Width (ft)	2158.33	391.67	2166.67
Vel Total (ft/s)	1.45	Avg. Vel. (ft/s)	1.32	1.76	1.50
Max Chl Dpth (ft)	188.69	Hydr. Depth (ft)	120.80	181.26	146.24
Conv. Total (cfs)	169174700.0	Conv. (cfs)	61509350.0	22403100.0	85262260.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2243.19	394.89	2237.97
Min Ch El (ft)	571.67	Shear (lb/sq ft)	0.23	0.35	0.27
Alpha	1.03	Stream Power (lb/ft s)	0.30	0.61	0.41
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	4338.68	995.37	4380.00
C & E Loss (ft)		Cum SA (acres)	34.09	5.42	29.80

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5746.35*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	691.73	92.03	690	243.68	681.61	426.45	674.26	456.91	669.89
460.15	669.73	782.25	665.42	920.29	650.09	920.29	636.61	944.27	636.29
974.73	629.77	1081.34	629.77	1096.57	629.03	1150.37	624.96	1218.42	622.15
1242.4	621.8	1288.41	619.77	1340.26	618.25	1462.1	619.57	1518.48	616.47
2162.69	592.58	2287.12	571.65	2403.98	571.65	2493.3	584.47	2552.84	592.58
3008.71	602.02	3191.05	606.07	3430.58	606.07	3434.18	606.1	3677.31	602.2
3738.09	602.74	3796.3	602.1	4015.73	597.71	4042	596.02	4088.88	598.8
4235.17	614	4381.46	632.45	4564.32	684.02	4710.61	699.21		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2162.69	.15	2552.84	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2162.69	2552.84	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.39    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.35    Reach Len. (ft)             14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       261757.70   70743.71
315565.50
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            261757.70   70743.71
315565.50
  Q Total (cfs)           943523.70    Flow (cfs)              345064.30   124605.60
  473853.80
  Top Width (ft)           4710.61    Top Width (ft)           2162.69     390.15
2157.77
  Vel Total (ft/s)            1.46    Avg. Vel. (ft/s)            1.32       1.76
   1.50
  Max Chl Dpth (ft)         188.70    Hydr. Depth (ft)          121.03     181.32
 146.25
  Conv. Total (cfs)       169071300.0    Conv. (cfs)             61832540.0
22328240.0   84910500.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2247.91     393.36
2229.14
  Min Ch El (ft)            571.65    Shear (lb/sq ft)            0.23       0.35
   0.28
  Alpha                       1.03    Stream Power (lb/ft s)      0.30       0.62
   0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4248.90     971.01
4271.33
  C & E Loss (ft)                     Cum SA (acres)             33.34       5.28
  29.06


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5731.36*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  691.45   92.21  689.77  244.17  681.38   427.3  673.98  457.83  669.67
  461.07   669.5  783.82   665.3  922.15  649.86  922.15  636.22  946.17  635.91
   976.7  629.55 1083.52  629.55 1098.78  628.79 1152.68  624.73 1220.87  621.95
  1244.9  621.59 1291.01  619.55 1342.96  618.01 1465.04  619.17 1521.54  616.09
 2167.04   592.5 2290.91  571.64 2407.95  571.64 2496.59  584.41 2555.68   592.5
 3009.67  602.05 3191.26  606.14  3429.8  606.14 3433.39  606.17 3675.51  602.15
 3736.04  602.68 3794.01  602.01 4012.54  597.58  4038.7   595.9 4085.38  598.79
 4231.07  614.15 4376.75   632.7 4558.86  683.73 4704.55  699.09

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2167.04     .15 2555.68     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2167.04 2555.68            14.97   14.97   14.97             .1       .3
```

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.39	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.35	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	262785.20	70490.14	314276.50
E.G. Slope (ft/ft)	0.000031	Area (sq ft)	262785.20	70490.14	314276.50
Q Total (cfs)	943523.20	Flow (cfs)	347067.80	124263.20	472192.20
Top Width (ft)	4704.55	Top Width (ft)	2167.04	388.64	2148.87
Vel Total (ft/s)	1.46	Avg. Vel. (ft/s)	1.32	1.76	1.50
Max Chl Dpth (ft)	188.71	Hydr. Depth (ft)	121.26	181.38	146.25
Conv. Total (cfs)	168958900.0	Conv. (cfs)	62150260.0	22252100.0	84556580.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2252.65	391.85	2220.31
Min Ch El (ft)	571.64	Shear (lb/sq ft)	0.23	0.35	0.28
Alpha	1.03	Stream Power (lb/ft s)	0.30	0.62	0.41
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	4158.77	946.74	4163.10
C & E Loss (ft)		Cum SA (acres)	32.60	5.15	28.32

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5716.38*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	691.18	92.4	689.54	244.66	681.15	428.16	673.69	458.75	669.44
462	669.28	785.4	665.17	924	649.62	924	635.84	948.08	635.53
978.66	629.32	1085.7	629.32	1100.99	628.56	1155	624.5	1223.32	621.75
1247.4	621.39	1293.6	619.32	1345.66	617.76	1467.99	618.77	1524.6	615.71
2171.4	592.42	2294.7	571.62	2411.93	571.62	2499.89	584.35	2558.52	592.42
3010.63	602.07	3191.47	606.2	3429.02	606.2	3432.59	606.24	3673.71	602.1
3734	602.61	3791.72	601.92	4009.34	597.44	4035.4	595.79	4081.89	598.77
4226.97	614.31	4372.05	632.95	4553.4	683.43	4698.49	698.97		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2171.4	.15	2558.52	.15

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
        2171.4 2558.52            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.39    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.35    Reach Len. (ft)            14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       263820.20   70237.12
312996.90
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            263820.20   70237.12
312996.90
  Q Total (cfs)           943522.70    Flow (cfs)              349076.30   123917.10
  470529.20
  Top Width (ft)           4698.49    Top Width (ft)           2171.40     387.12
2139.97
  Vel Total (ft/s)            1.46    Avg. Vel. (ft/s)            1.32       1.76
   1.50
  Max Chl Dpth (ft)         188.73    Hydr. Depth (ft)          121.50     181.44
 146.26
  Conv. Total (cfs)       168854900.0    Conv. (cfs)             62471460.0
22176480.0   84206940.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2257.37     390.33
2211.49
  Min Ch El (ft)            571.62    Shear (lb/sq ft)            0.23       0.35
   0.28
  Alpha                       1.03    Stream Power (lb/ft s)      0.30       0.62
   0.41
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4068.28     922.56
4055.31
  C & E Loss (ft)                     Cum SA (acres)             31.85       5.02
  27.58


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5701.39*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  690.91   92.59  689.31  245.16  680.92  429.02   673.4  459.67  669.21
  462.93  669.05  786.98  665.05  925.85  649.39  925.85  635.45  949.98  635.15
  980.62  629.09 1087.88  629.09  1103.2  628.32 1157.32  624.27 1225.78  621.55
  1249.9  621.18  1296.2  619.09 1348.36  617.52 1470.93  618.37 1527.66  615.33
 2175.76  592.33 2298.48  571.61 2415.91  571.61 2503.18  584.28 2561.36  592.33
 3011.59  602.09 3191.68  606.27 3428.24  606.27  3431.8   606.3 3671.92  602.04
 3731.95  602.55 3789.43  601.83 4006.15   597.3  4032.1  595.67 4078.39  598.76
 4222.87  614.47 4367.35   633.2 4547.95  683.14 4692.42  698.85

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
```

```
       0     .15 2175.76     .15 2561.36     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2175.76 2561.36            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.39    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.35    Reach Len. (ft)            14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       264858.90   69983.26
311715.30
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            264858.90   69983.26
311715.30
  Q Total (cfs)           943522.20    Flow (cfs)              351093.80   123569.40
  468859.00
  Top Width (ft)           4692.42    Top Width (ft)           2175.76     385.60
2131.06
  Vel Total (ft/s)            1.46    Avg. Vel. (ft/s)            1.33       1.77
   1.50
  Max Chl Dpth (ft)         188.74    Hydr. Depth (ft)          121.73     181.49
 146.27
  Conv. Total (cfs)       168751100.0    Conv. (cfs)             62793950.0
22100670.0   83856520.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2262.12     388.81
2202.65
  Min Ch El (ft)            571.61    Shear (lb/sq ft)            0.23       0.35
   0.28
  Alpha                       1.03    Stream Power (lb/ft s)      0.30       0.62
   0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3977.44     898.47
3947.97
  C & E Loss (ft)                     Cum SA (acres)             31.11       4.88
  26.85


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5686.41*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  690.64   92.77  689.07  245.65  680.69  429.88  673.11  460.59  668.99
  463.85  668.82  788.55  664.92  927.71  649.15  927.71  635.06  951.88  634.77
  982.59  628.86 1090.06  628.86 1105.41  628.09 1159.63  624.04 1228.23  621.34
 1252.41  620.98 1298.79  618.86 1351.06  617.28 1473.88  617.98 1530.72  614.94
 2180.11  592.25 2302.27  571.59 2419.89  571.59 2506.48  584.22  2564.2  592.25
 3012.55  602.11 3191.89  606.34 3427.46  606.34    3431  606.37 3670.12  601.99
  3729.9  602.48 3787.14  601.74 4002.96  597.16 4028.79  595.55 4074.89  598.75
 4218.77  614.62 4362.65  633.46 4542.49  682.85 4686.36  698.73
```

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2180.11	.15	2564.2	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2180.11	2564.2	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.38	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.35	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	265901.50	69731.59	310429.60
E.G. Slope (ft/ft)	0.000031	Area (sq ft)	265901.50	69731.59	310429.60
Q Total (cfs)	943521.70	Flow (cfs)	353124.50	123223.80	467173.30
Top Width (ft)	4686.36	Top Width (ft)	2180.11	384.09	2122.16
Vel Total (ft/s)	1.46	Avg. Vel. (ft/s)	1.33	1.77	1.50
Max Chl Dpth (ft)	188.76	Hydr. Depth (ft)	121.97	181.55	146.28
Conv. Total (cfs)	168648000.0	Conv. (cfs)	63118560.0	22025410.0	83503990.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2266.85	387.30	2193.83
Min Ch El (ft)	571.59	Shear (lb/sq ft)	0.23	0.35	0.28
Alpha	1.03	Stream Power (lb/ft s)	0.30	0.62	0.42
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	3886.23	874.46	3841.06
C & E Loss (ft)		Cum SA (acres)	30.36	4.75	26.12

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5671.42*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	690.36	92.96	688.84	246.14	680.47	430.74	672.82	461.51	668.76
464.78	668.6	790.13	664.79	929.56	648.92	929.56	634.68	953.78	634.39
984.55	628.64	1092.23	628.64	1107.62	627.85	1161.95	623.8	1230.69	621.14
1254.91	620.77	1301.39	618.64	1353.76	617.03	1476.82	617.58	1533.78	614.56
2184.47	592.17	2306.06	571.58	2423.86	571.58	2509.77	584.16	2567.05	592.17
3013.51	602.14	3192.09	606.41	3426.68	606.41	3430.21	606.44	3668.32	601.94
3727.85	602.42	3784.86	601.65	3999.76	597.02	4025.49	595.44	4071.4	598.73

```
 4214.67  614.78 4357.94  633.71 4537.03  682.56  4680.3  698.61

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2184.47     .15 2567.05     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2184.47 2567.05            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.38    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.35    Reach Len. (ft)            14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       266940.00   69477.38
309138.60
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            266940.00   69477.38
309138.60
  Q Total (cfs)           943521.20    Flow (cfs)              355158.90   122874.70
  465487.60
  Top Width (ft)           4680.30    Top Width (ft)           2184.47     382.58
2113.25
  Vel Total (ft/s)            1.46    Avg. Vel. (ft/s)            1.33       1.77
   1.51
  Max Chl Dpth (ft)         188.77    Hydr. Depth (ft)          122.20     181.60
 146.29
  Conv. Total (cfs)       168539700.0    Conv. (cfs)             63441470.0
21948920.0   83149300.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2271.59     385.78
2185.00
  Min Ch El (ft)            571.58    Shear (lb/sq ft)            0.23       0.35
   0.28
  Alpha                       1.03    Stream Power (lb/ft s)      0.31       0.62
   0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3794.68     850.54
3734.60
  C & E Loss (ft)                     Cum SA (acres)             29.61       4.62
  25.39


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5656.44*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  690.09   93.14  688.61  246.63  680.24   431.6  672.53  462.43  668.54
  465.71  668.37   791.7  664.67  931.41  648.68  931.41  634.29  955.68  634.02
  986.51  628.41 1094.41  628.41 1109.83  627.62 1164.27  623.57 1233.14  620.94
 1257.41  620.57 1303.98  618.41 1356.46  616.79 1479.77  617.18 1536.83  614.18
 2188.83  592.08 2309.85  571.56 2427.84  571.56 2513.07   584.1 2569.89  592.08
```

```
 3014.47  602.16  3192.3  606.48  3425.9  606.48 3429.41   606.5 3666.52  601.89
  3725.8  602.36 3782.57  601.56 3996.57  596.89 4022.19  595.32  4067.9  598.72
 4210.57  614.94 4353.24  633.96 4531.57  682.27 4674.24  698.48

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2188.83     .15 2569.89     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2188.83 2569.89            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.38    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.35    Reach Len. (ft)             14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       267985.20   69224.55
307855.50
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            267985.20   69224.55
307855.50
  Q Total (cfs)           943520.70    Flow (cfs)              357197.40   122526.30
  463797.00
  Top Width (ft)           4674.24    Top Width (ft)           2188.83     381.06
2104.35
  Vel Total (ft/s)            1.46    Avg. Vel. (ft/s)            1.33       1.77
   1.51
  Max Chl Dpth (ft)         188.79    Hydr. Depth (ft)          122.43     181.66
 146.29
  Conv. Total (cfs)       168438300.0    Conv. (cfs)             63767260.0
21873530.0   82797540.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2276.33     384.26
2176.19
  Min Ch El (ft)            571.56    Shear (lb/sq ft)            0.23       0.35
   0.28
  Alpha                       1.03    Stream Power (lb/ft s)      0.31       0.62
   0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3702.76     826.71
3628.58
  C & E Loss (ft)                     Cum SA (acres)             28.86       4.49
  24.66



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5641.45*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  689.82   93.33  688.38  247.12  680.01  432.46  672.24  463.35  668.31
  466.63  668.15  793.28  664.54  933.27  648.45  933.27   633.9  957.59  633.64
  988.48  628.18 1096.59  628.18 1112.04  627.38 1166.59  623.34  1235.6  620.74
```

```
 1259.91  620.36 1306.58  618.18 1359.15  616.54 1482.71  616.78 1539.89  613.79
 2193.18     592 2313.64  571.55 2431.82  571.55 2516.36  584.04 2572.73     592
 3015.43  602.18 3192.51  606.55 3425.12  606.55 3428.62  606.57 3664.72  601.84
 3723.75  602.29 3780.28  601.47 3993.37  596.75 4018.89   595.2 4064.41  598.71
 4206.47   615.1 4348.54  634.21 4526.12  681.97 4668.18  698.36

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2193.18     .15 2572.73     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2193.18 2572.73            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.38    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.35    Reach Len. (ft)             14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       269031.90   68970.12
306571.30
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            269031.90   68970.12
306571.30
  Q Total (cfs)           943520.20    Flow (cfs)              359244.70   122171.00
  462104.60
  Top Width (ft)           4668.18    Top Width (ft)           2193.18     379.55
2095.45
  Vel Total (ft/s)            1.46    Avg. Vel. (ft/s)            1.34       1.77
   1.51
  Max Chl Dpth (ft)         188.80    Hydr. Depth (ft)          122.67     181.72
 146.30
  Conv. Total (cfs)       168336400.0    Conv. (cfs)             64093980.0
21796920.0   82445550.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2281.07     382.75
2167.37
  Min Ch El (ft)            571.55    Shear (lb/sq ft)            0.23       0.35
   0.28
  Alpha                       1.03    Stream Power (lb/ft s)      0.31       0.63
   0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3610.48     802.96
3523.00
  C & E Loss (ft)                     Cum SA (acres)             28.10       4.36
  23.94



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5626.47*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  689.55   93.51  688.14  247.61  679.78  433.32  671.95  464.27  668.08
```

```
  467.56  667.92  794.85  664.41  935.12  648.22  935.12  633.52  959.49  633.26
  990.44  627.95 1098.77  627.95 1114.24  627.14  1168.9  623.11 1238.05  620.54
 1262.42  620.16 1309.17  617.95 1361.85   616.3 1485.66  616.38 1542.95  613.41
 2197.54  591.92 2317.42  571.53 2435.79  571.53 2519.66  583.97 2575.57  591.92
 3016.39   602.2 3192.72  606.61 3424.34  606.61 3427.82  606.64 3662.93  601.79
  3721.7  602.23 3777.99  601.38 3990.18  596.61 4015.58  595.09 4060.91  598.69
 4202.37  615.25 4343.83  634.47 4520.66  681.68 4662.12  698.24

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2197.54     .15 2575.57     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2197.54 2575.57            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.38    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.35    Reach Len. (ft)            14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       270080.50   68716.69
305287.30
  E.G. Slope (ft/ft)      0.000031    Area (sq ft)            270080.50   68716.69
305287.30
  Q Total (cfs)           943519.70    Flow (cfs)              361295.80   121818.30
  460405.60
  Top Width (ft)           4662.12    Top Width (ft)           2197.54     378.03
2086.55
  Vel Total (ft/s)            1.46    Avg. Vel. (ft/s)            1.34       1.77
   1.51
  Max Chl Dpth (ft)         188.82    Hydr. Depth (ft)          122.90     181.78
 146.31
  Conv. Total (cfs)       168236400.0    Conv. (cfs)             64421670.0
21721090.0   82093660.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2285.82     381.23
2158.56
  Min Ch El (ft)            571.53    Shear (lb/sq ft)            0.23       0.35
   0.28
  Alpha                       1.03    Stream Power (lb/ft s)      0.31       0.63
   0.42
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3517.84     779.30
3417.87
  C & E Loss (ft)                     Cum SA (acres)             27.35       4.23
  23.22


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5611.48*

INPUT
Description:
Station Elevation Data    num=      39
```

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	689.27	93.7	687.91	248.1	679.55	434.18	671.66	465.19	667.86
468.49	667.69	796.43	664.29	936.98	647.98	936.98	633.13	961.39	632.88
992.4	627.73	1100.95	627.73	1116.45	626.91	1171.22	622.88	1240.5	620.34
1264.92	619.95	1311.77	617.73	1364.55	616.05	1488.6	615.99	1546.01	613.03
2201.89	591.83	2321.21	571.52	2439.77	571.52	2522.95	583.91	2578.41	591.83
3017.35	602.23	3192.93	606.68	3423.56	606.68	3427.03	606.71	3661.13	601.74
3719.65	602.17	3775.7	601.3	3986.99	596.47	4012.28	594.97	4057.42	598.68
4198.27	615.41	4339.13	634.72	4515.2	681.39	4656.06	698.12		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2201.89	.15	2578.41	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2201.89	2578.41	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.38	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.35	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	271128.40	68462.77	303998.10
E.G. Slope (ft/ft)	0.000031	Area (sq ft)	271128.40	68462.77	303998.10
Q Total (cfs)	943519.20	Flow (cfs)	363355.20	121465.20	458698.80
Top Width (ft)	4656.06	Top Width (ft)	2201.89	376.52	2077.65
Vel Total (ft/s)	1.47	Avg. Vel. (ft/s)	1.34	1.77	1.51
Max Chl Dpth (ft)	188.83	Hydr. Depth (ft)	123.13	181.83	146.32
Conv. Total (cfs)	168133300.0	Conv. (cfs)	64749210.0	21644870.0	81739260.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2290.56	379.72	2149.75
Min Ch El (ft)	571.52	Shear (lb/sq ft)	0.23	0.35	0.28
Alpha	1.03	Stream Power (lb/ft s)	0.31	0.63	0.42
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	3424.85	755.73	3313.17
C & E Loss (ft)		Cum SA (acres)	26.59	4.10	22.51

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5596.50*

INPUT

Description:

Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	689	93.88	687.68	248.59	679.32	435.04	671.37	466.11	667.63
469.41	667.47	798.01	664.16	938.83	647.75	938.83	632.75	963.29	632.5
994.37	627.5	1103.12	627.5	1118.66	626.67	1173.54	622.65	1242.96	620.14
1267.42	619.75	1314.36	617.5	1367.25	615.81	1491.55	615.59	1549.07	612.64
2206.25	591.75	2325	571.5	2443.75	571.5	2526.25	583.85	2581.25	591.75
3018.31	602.25	3193.13	606.75	3422.78	606.75	3426.23	606.77	3659.33	601.69
3717.61	602.1	3773.41	601.21	3983.79	596.33	4008.98	594.85	4053.92	598.67
4194.17	615.57	4334.43	634.97	4509.75	681.1	4650	698		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2206.25	.15	2581.25	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2206.25	2581.25	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.38	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.34	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	272181.80	68208.33	302712.90
E.G. Slope (ft/ft)	0.000032	Area (sq ft)	272181.80	68208.33	302712.90
Q Total (cfs)	943518.70	Flow (cfs)	365422.00	121108.00	456988.80
Top Width (ft)	4650.00	Top Width (ft)	2206.25	375.00	2068.75
Vel Total (ft/s)	1.47	Avg. Vel. (ft/s)	1.34	1.78	1.51
Max Chl Dpth (ft)	188.84	Hydr. Depth (ft)	123.37	181.89	146.33
Conv. Total (cfs)	168034300.0	Conv. (cfs)	65079200.0	21568510.0	81386620.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2295.30	378.20	2140.94
Min Ch El (ft)	571.50	Shear (lb/sq ft)	0.23	0.35	0.28
Alpha	1.03	Stream Power (lb/ft s)	0.31	0.63	0.42
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	3331.49	732.25	3208.92
C & E Loss (ft)		Cum SA (acres)	25.84	3.97	21.80

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5581.51*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	688.73	94.07	687.45	249.08	679.09	435.89	671.08	467.03	667.41
470.34	667.24	799.58	664.04	940.68	647.51	940.68	632.36	965.19	632.12
996.33	627.27	1105.3	627.27	1120.87	626.44	1175.85	622.41	1245.41	619.94
1269.92	619.55	1316.96	617.27	1369.95	615.57	1494.49	615.19	1552.13	612.26
2210.61	591.67	2328.79	571.48	2447.73	571.48	2529.55	583.79	2584.09	591.67
3019.27	602.27	3193.34	606.82	3422	606.82	3425.44	606.84	3657.53	601.64
3715.56	602.04	3771.12	601.12	3980.6	596.2	4005.68	594.74	4050.42	598.65
4190.07	615.73	4329.73	635.22	4504.29	680.81	4643.94	697.88		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2210.61	.15	2584.09	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2210.61	2584.09	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.38	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.34	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	273234.30	67953.77	301425.20
E.G. Slope (ft/ft)	0.000032	Area (sq ft)	273234.30	67953.77	301425.20
Q Total (cfs)	943518.20	Flow (cfs)	367493.30	120750.90	455273.90
Top Width (ft)	4643.94	Top Width (ft)	2210.61	373.48	2059.85
Vel Total (ft/s)	1.47	Avg. Vel. (ft/s)	1.34	1.78	1.51
Max Chl Dpth (ft)	188.86	Hydr. Depth (ft)	123.60	181.95	146.33
Conv. Total (cfs)	167933900.0	Conv. (cfs)	65409020.0	21492090.0	81032810.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2300.05	376.68	2132.13
Min Ch El (ft)	571.48	Shear (lb/sq ft)	0.23	0.36	0.28
Alpha	1.02	Stream Power (lb/ft s)	0.31	0.63	0.42
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	3237.77	708.85	3105.11
C & E Loss (ft)		Cum SA (acres)	25.08	3.84	21.09

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5566.53*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	688.45	94.25	687.21	249.57	678.86	436.75	670.79	467.95	667.18
471.27	667.01	801.16	663.91	942.54	647.28	942.54	631.97	967.1	631.74
998.29	627.05	1107.48	627.05	1123.08	626.2	1178.17	622.18	1247.87	619.74
1272.42	619.34	1319.55	617.05	1372.65	615.32	1497.44	614.79	1555.19	611.88
2214.96	591.58	2332.58	571.47	2451.7	571.47	2532.84	583.73	2586.93	591.58
3020.23	602.3	3193.55	606.89	3421.22	606.89	3424.64	606.91	3655.74	601.58
3713.51	601.97	3768.83	601.03	3977.4	596.06	4002.37	594.62	4046.93	598.64
4185.98	615.88	4325.02	635.47	4498.83	680.51	4637.88	697.76		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2214.96	.15	2586.93	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2214.96	2586.93	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.38	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.34	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	274292.70	67699.30	300141.80
E.G. Slope (ft/ft)	0.000032	Area (sq ft)	274292.70	67699.30	300141.80
Q Total (cfs)	943517.70	Flow (cfs)	369571.40	120390.00	453556.30
Top Width (ft)	4637.88	Top Width (ft)	2214.96	371.97	2050.95
Vel Total (ft/s)	1.47	Avg. Vel. (ft/s)	1.35	1.78	1.51
Max Chl Dpth (ft)	188.87	Hydr. Depth (ft)	123.84	182.00	146.34
Conv. Total (cfs)	167837600.0	Conv. (cfs)	65741210.0	21415570.0	80680870.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2304.81	375.16	2123.32
Min Ch El (ft)	571.47	Shear (lb/sq ft)	0.23	0.36	0.28
Alpha	1.02	Stream Power (lb/ft s)	0.32	0.63	0.42
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	3143.69	685.54	3001.74
C & E Loss (ft)		Cum SA (acres)	24.32	3.71	20.38

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5551.54*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	688.18	94.44	686.98	250.06	678.63	437.61	670.51	468.87	666.95
472.2	666.79	802.73	663.78	944.39	647.04	944.39	631.59	969	631.36
1000.26	626.82	1109.66	626.82	1125.29	625.97	1180.49	621.95	1250.32	619.54
1274.93	619.14	1322.15	616.82	1375.35	615.08	1500.38	614.39	1558.24	611.49
2219.32	591.5	2336.36	571.45	2455.68	571.45	2536.14	583.66	2589.77	591.5
3021.19	602.32	3193.76	606.95	3420.44	606.95	3423.85	606.98	3653.94	601.53
3711.46	601.91	3766.54	600.94	3974.21	595.92	3999.07	594.5	4043.43	598.63
4181.88	616.04	4320.32	635.73	4493.38	680.22	4631.82	697.64		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2219.32	.15	2589.77	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2219.32	2589.77	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.38	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.34	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	275351.80	67445.14	298856.10
E.G. Slope (ft/ft)	0.000032	Area (sq ft)	275351.80	67445.14	298856.10
Q Total (cfs)	943517.20	Flow (cfs)	371656.30	120030.20	451830.70
Top Width (ft)	4631.82	Top Width (ft)	2219.32	370.45	2042.05
Vel Total (ft/s)	1.47	Avg. Vel. (ft/s)	1.35	1.78	1.51
Max Chl Dpth (ft)	188.89	Hydr. Depth (ft)	124.07	182.06	146.35
Conv. Total (cfs)	167741500.0	Conv. (cfs)	66074240.0	21339360.0	80327900.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2309.55	373.65	2114.52
Min Ch El (ft)	571.45	Shear (lb/sq ft)	0.24	0.36	0.28
Alpha	1.02	Stream Power (lb/ft s)	0.32	0.63	0.42
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	3049.24	662.32	2898.81
C & E Loss (ft)		Cum SA (acres)	23.55	3.59	19.68

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5536.56*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	687.91	94.62	686.75	250.55	678.4	438.47	670.22	469.79	666.73
473.12	666.56	804.31	663.66	946.24	646.81	946.24	631.2	970.9	630.98
1002.22	626.59	1111.84	626.59	1127.5	625.73	1182.81	621.72	1252.77	619.34
1277.43	618.93	1324.74	616.59	1378.05	614.83	1503.33	614	1561.3	611.11
2223.67	591.42	2340.15	571.44	2459.66	571.44	2539.43	583.6	2592.61	591.42
3022.15	602.34	3193.97	607.02	3419.66	607.02	3423.05	607.04	3652.14	601.48
3709.41	601.85	3764.26	600.85	3971.02	595.78	3995.77	594.39	4039.94	598.61
4177.78	616.2	4315.62	635.98	4487.92	679.93	4625.76	697.52		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2223.67	.15	2592.61	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2223.67	2592.61	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.37	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.34	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	276408.00	67189.64	297570.40
E.G. Slope (ft/ft)	0.000032	Area (sq ft)	276408.00	67189.64	297570.40
Q Total (cfs)	943516.70	Flow (cfs)	373742.20	119666.10	450108.30
Top Width (ft)	4625.76	Top Width (ft)	2223.67	368.94	2033.15
Vel Total (ft/s)	1.47	Avg. Vel. (ft/s)	1.35	1.78	1.51
Max Chl Dpth (ft)	188.90	Hydr. Depth (ft)	124.30	182.12	146.36
Conv. Total (cfs)	167643200.0	Conv. (cfs)	66406180.0	21262170.0	79974850.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2314.30	372.13	2105.72
Min Ch El (ft)	571.44	Shear (lb/sq ft)	0.24	0.36	0.28
Alpha	1.02	Stream Power (lb/ft s)	0.32	0.64	0.42
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	2954.43	639.18	2796.33
C & E Loss (ft)		Cum SA (acres)	22.79	3.46	18.98

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5521.57*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	687.64	94.81	686.51	251.05	678.17	439.33	669.93	470.71	666.5
474.05	666.34	805.88	663.53	948.1	646.57	948.1	630.81	972.8	630.61
1004.18	626.36	1114.01	626.36	1129.71	625.49	1185.12	621.49	1255.23	619.14
1279.93	618.73	1327.34	616.36	1380.75	614.59	1506.27	613.6	1564.36	610.73
2228.03	591.33	2343.94	571.42	2463.64	571.42	2542.73	583.54	2595.45	591.33
3023.11	602.36	3194.17	607.09	3418.88	607.09	3422.26	607.11	3650.34	601.43
3707.36	601.78	3761.97	600.76	3967.82	595.64	3992.47	594.27	4036.44	598.6
4173.68	616.35	4310.92	636.23	4482.46	679.64	4619.7	697.39		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2228.03	.15	2595.45	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2228.03	2595.45	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.37	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.34	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	277473.10	66935.19	296287.40
E.G. Slope (ft/ft)	0.000032	Area (sq ft)	277473.10	66935.19	296287.40
Q Total (cfs)	943516.20	Flow (cfs)	375839.10	119303.00	448374.10
Top Width (ft)	4619.70	Top Width (ft)	2228.03	367.42	2024.25
Vel Total (ft/s)	1.47	Avg. Vel. (ft/s)	1.35	1.78	1.51
Max Chl Dpth (ft)	188.92	Hydr. Depth (ft)	124.54	182.18	146.37
Conv. Total (cfs)	167550400.0	Conv. (cfs)	66741830.0	21185930.0	79622660.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2319.05	370.61	2096.93
Min Ch El (ft)	571.42	Shear (lb/sq ft)	0.24	0.36	0.28
Alpha	1.02	Stream Power (lb/ft s)	0.32	0.64	0.42
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	2859.26	616.14	2694.29
C & E Loss (ft)		Cum SA (acres)	22.03	3.33	18.28

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5506.59*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	687.36	95	686.28	251.54	677.95	440.19	669.64	471.63	666.28
474.98	666.11	807.46	663.41	949.95	646.34	949.95	630.43	974.7	630.23
1006.15	626.14	1116.19	626.14	1131.91	625.26	1187.44	621.26	1257.68	618.94
1282.43	618.52	1329.93	616.14	1383.45	614.34	1509.22	613.2	1567.42	610.34
2232.39	591.25	2347.73	571.41	2467.61	571.41	2546.02	583.48	2598.3	591.25
3024.07	602.39	3194.38	607.16	3418.1	607.16	3421.46	607.18	3648.54	601.38
3705.31	601.72	3759.68	600.67	3964.63	595.51	3989.17	594.15	4032.95	598.59
4169.58	616.51	4306.21	636.48	4477	679.35	4613.64	697.27		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2232.39	.15	2598.3	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2232.39	2598.3	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.37	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.34	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	278535.60	66679.20	294993.40
E.G. Slope (ft/ft)	0.000032	Area (sq ft)	278535.60	66679.20	294993.40
Q Total (cfs)	943515.80	Flow (cfs)	377947.80	118937.40	446630.60
Top Width (ft)	4613.64	Top Width (ft)	2232.39	365.91	2015.34
Vel Total (ft/s)	1.47	Avg. Vel. (ft/s)	1.36	1.78	1.51
Max Chl Dpth (ft)	188.93	Hydr. Depth (ft)	124.77	182.23	146.37
Conv. Total (cfs)	167451000.0	Conv. (cfs)	67076510.0	21108480.0	79266020.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2323.82	369.10	2088.12
Min Ch El (ft)	571.41	Shear (lb/sq ft)	0.24	0.36	0.28
Alpha	1.02	Stream Power (lb/ft s)	0.32	0.64	0.42
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	2763.72	593.18	2592.69
C & E Loss (ft)		Cum SA (acres)	21.26	3.21	

17.59

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5491.60*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	687.09	95.18	686.05	252.03	677.72	441.05	669.35	472.55	666.05
475.9	665.88	809.03	663.28	951.81	646.1	951.81	630.04	976.61	629.85
1008.11	625.91	1118.37	625.91	1134.12	625.02	1189.76	621.02	1260.14	618.74
1284.94	618.32	1332.53	615.91	1386.15	614.1	1512.16	612.8	1570.48	609.96
2236.74	591.17	2351.51	571.39	2471.59	571.39	2549.32	583.42	2601.14	591.17
3025.03	602.41	3194.59	607.23	3417.32	607.23	3420.67	607.25	3646.75	601.33
3703.27	601.66	3757.39	600.59	3961.43	595.37	3985.86	594.04	4029.45	598.57
4165.48	616.67	4301.51	636.74	4471.55	679.05	4607.58	697.15		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2236.74	.15	2601.14	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2236.74	2601.14	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.37	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.34	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	279601.40	66425.49	293705.00
E.G. Slope (ft/ft)	0.000032	Area (sq ft)	279601.40	66425.49	293705.00
Q Total (cfs)	943515.30	Flow (cfs)	380057.80	118573.80	444883.70
Top Width (ft)	4607.58	Top Width (ft)	2236.74	364.40	2006.44
Vel Total (ft/s)	1.47	Avg. Vel. (ft/s)	1.36	1.79	1.51
Max Chl Dpth (ft)	188.95	Hydr. Depth (ft)	125.00	182.29	146.38
Conv. Total (cfs)	167356800.0	Conv. (cfs)	67413070.0	21032130.0	78911610.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2328.56	367.59	2079.33
Min Ch El (ft)	571.39	Shear (lb/sq ft)	0.24	0.36	0.28
Alpha	1.02	Stream Power (lb/ft s)	0.32	0.64	0.42
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	2667.81	570.30	

2491.53
C & E Loss (ft) Cum SA (acres) 20.49 3.08
16.89

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5476.62*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	686.82	95.37	685.82	252.52	677.49	441.91	669.06	473.47	665.82
476.83	665.66	810.61	663.15	953.66	645.87	953.66	629.66	978.51	629.47
1010.07	625.68	1120.55	625.68	1136.33	624.79	1192.07	620.79	1262.59	618.54
1287.44	618.11	1335.12	615.68	1388.85	613.86	1515.11	612.4	1573.54	609.58
2241.1	591.08	2355.3	571.38	2475.57	571.38	2552.61	583.35	2603.98	591.08
3025.99	602.43	3194.8	607.3	3416.54	607.3	3419.87	607.31	3644.95	601.28
3701.22	601.59	3755.1	600.5	3958.24	595.23	3982.56	593.92	4025.95	598.56
4161.38	616.83	4296.81	636.99	4466.09	678.76	4601.52	697.03		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2241.1	.15	2603.98	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2241.1	2603.98	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.37	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.34	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	280671.10	66168.98	292420.80
E.G. Slope (ft/ft)	0.000032	Area (sq ft)	280671.10	66168.98	292420.80
Q Total (cfs)	943514.80	Flow (cfs)	382173.60	118203.20	443138.10
Top Width (ft)	4601.52	Top Width (ft)	2241.10	362.88	1997.54
Vel Total (ft/s)	1.48	Avg. Vel. (ft/s)	1.36	1.79	1.52
Max Chl Dpth (ft)	188.96	Hydr. Depth (ft)	125.24	182.34	146.39
Conv. Total (cfs)	167265100.0	Conv. (cfs)	67751260.0	20954910.0	78558960.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2333.32	366.07	2070.54
Min Ch El (ft)	571.38	Shear (lb/sq ft)	0.24	0.36	0.28
Alpha	1.02	Stream Power (lb/ft s)	0.33	0.64	

```
   0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2571.54     547.52
2390.81
  C & E Loss (ft)                     Cum SA (acres)             19.72       2.95
  16.21
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5461.63*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	686.55	95.55	685.58	253.01	677.26	442.77	668.77	474.39	665.6
477.76	665.43	812.19	663.03	955.51	645.63	955.51	629.27	980.41	629.09
1012.04	625.45	1122.73	625.45	1138.54	624.55	1194.39	620.56	1265.04	618.34
1289.94	617.91	1337.72	615.45	1391.55	613.61	1518.05	612.01	1576.6	609.2
2245.45	591	2359.09	571.36	2479.54	571.36	2555.91	583.29	2606.82	591
3026.95	602.45	3195.01	607.36	3415.76	607.36	3419.08	607.38	3643.15	601.23
3699.17	601.53	3752.81	600.41	3955.05	595.09	3979.26	593.8	4022.46	598.54
4157.28	616.98	4292.1	637.24	4460.63	678.47	4595.46	696.91		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2245.45	.15	2606.82	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2245.45	2606.82	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.37    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.34    Reach Len. (ft)             14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       281738.90   65914.82
291137.30
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            281738.90   65914.82
291137.30
  Q Total (cfs)           943514.30    Flow (cfs)              384288.10   117835.20
  441391.00
  Top Width (ft)           4595.46    Top Width (ft)           2245.45     361.37
1988.64
  Vel Total (ft/s)            1.48    Avg. Vel. (ft/s)            1.36       1.79
   1.52
  Max Chl Dpth (ft)         188.98    Hydr. Depth (ft)          125.47     182.40
 146.40
  Conv. Total (cfs)       167173900.0    Conv. (cfs)             68089000.0
20878300.0   78206610.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2338.07     364.56
2061.75
  Min Ch El (ft)            571.36    Shear (lb/sq ft)            0.24       0.36
```

```
   0.28
  Alpha                        1.02    Stream Power (lb/ft s)      0.33       0.64
   0.43
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)     2474.90     524.82
2290.54
  C & E Loss (ft)                      Cum SA (acres)             18.95       2.83
  15.52


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5446.65*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  686.27   95.74  685.35   253.5  677.03  443.62  668.48  475.31  665.37
  478.68   665.2  813.76   662.9  957.37   645.4  957.37  628.88  982.31  628.71
    1014  625.23 1124.91  625.23 1140.75  624.32 1196.71  620.33  1267.5  618.13
 1292.44   617.7 1340.31  615.23 1394.25  613.37    1521  611.61 1579.65  608.81
 2249.81  590.92 2362.88  571.35 2483.52  571.35  2559.2  583.23 2609.66  590.92
 3027.91  602.48 3195.21  607.43 3414.98  607.43 3418.28  607.45 3641.35  601.18
 3697.12  601.47 3750.52  600.32 3951.85  594.95 3975.96  593.68 4018.96  598.53
 4153.18  617.14  4287.4  637.49 4455.18  678.18  4589.4  696.79

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2249.81     .15 2609.66     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2249.81 2609.66            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.37    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.33    Reach Len. (ft)             14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       282813.80   65656.46
289846.30
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            282813.80   65656.46
289846.30
  Q Total (cfs)           943513.80    Flow (cfs)              386425.50   117459.10
  439629.20
  Top Width (ft)           4589.40    Top Width (ft)           2249.81     359.85
1979.74
  Vel Total (ft/s)            1.48    Avg. Vel. (ft/s)            1.37       1.79
   1.52
  Max Chl Dpth (ft)         188.98    Hydr. Depth (ft)          125.71     182.46
 146.41
  Conv. Total (cfs)       167080100.0    Conv. (cfs)             68429300.0
20799990.0   77850770.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2342.85     363.04
```

2052.96					
Min Ch El (ft)	571.35	Shear (lb/sq ft)	0.24	0.36	0.28
Alpha	1.02	Stream Power (lb/ft s)	0.33	0.64	0.43
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	2377.89	502.22	2190.71
C & E Loss (ft)		Cum SA (acres)	18.18	2.71	14.84

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5431.66*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	686	95.92	685.12	253.99	676.8	444.48	668.19	476.23	665.15
479.61	664.98	815.34	662.77	959.22	645.16	959.22	628.5	984.21	628.33
1015.96	625	1127.08	625	1142.96	624.08	1199.02	620.1	1269.95	617.93
1294.95	617.5	1342.91	615	1396.95	613.12	1523.94	611.21	1582.71	608.43
2254.17	590.83	2366.67	571.33	2487.5	571.33	2562.5	583.17	2612.5	590.83
3028.87	602.5	3195.42	607.5	3414.2	607.5	3417.49	607.52	3639.55	601.12
3695.07	601.4	3748.23	600.23	3948.66	594.82	3972.65	593.57	4015.47	598.52
4149.08	617.3	4282.7	637.74	4449.72	677.89	4583.33	696.67		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2254.17	.15	2612.5	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2254.17	2612.5	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.37	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.33	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	283890.80	65401.04	288559.40
E.G. Slope (ft/ft)	0.000032	Area (sq ft)	283890.80	65401.04	288559.40
Q Total (cfs)	943513.30	Flow (cfs)	388562.20	117087.50	437863.50
Top Width (ft)	4583.33	Top Width (ft)	2254.17	358.33	1970.83
Vel Total (ft/s)	1.48	Avg. Vel. (ft/s)	1.37	1.79	1.52
Max Chl Dpth (ft)	189.00	Hydr. Depth (ft)	125.94	182.52	146.42
Conv. Total (cfs)	166991500.0	Conv. (cfs)	68771240.0		

```
20723210.0   77497030.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2347.60     361.52
2044.17
  Min Ch El (ft)            571.33    Shear (lb/sq ft)            0.24       0.36
   0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.33       0.65
   0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2280.51     479.70
2091.32
  C & E Loss (ft)                     Cum SA (acres)             17.41       2.58
  14.16


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5416.68*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  685.73   96.11  684.89  254.48  676.57  445.34   667.9  477.15  664.92
  480.54  664.75  816.91  662.65  961.07  644.93  961.07  628.11  986.12  627.95
 1017.93  624.77 1129.26  624.77 1145.17  623.85 1201.34  619.87 1272.41  617.73
 1297.45   617.3  1345.5  614.77 1399.65  612.88 1526.89  610.81 1585.77  608.05
 2258.52  590.75 2370.45  571.32 2491.48  571.32 2565.79   583.1 2615.34  590.75
 3029.83  602.52 3195.63  607.57 3413.42  607.57 3416.69  607.58 3637.76  601.07
 3693.02  601.34 3745.95  600.14 3945.46  594.68 3969.35  593.45 4011.97   598.5
 4144.98  617.46    4278     638 4444.26  677.59 4577.27  696.55

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2258.52     .15 2615.34     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2258.52 2615.34            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.37    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.33    Reach Len. (ft)             14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       284962.80   65144.93
287272.80
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            284962.80   65144.93
287272.80
  Q Total (cfs)           943512.80    Flow (cfs)              390696.70   116713.50
  436102.70
  Top Width (ft)           4577.27    Top Width (ft)           2258.52     356.82
1961.93
  Vel Total (ft/s)            1.48    Avg. Vel. (ft/s)            1.37       1.79
   1.52
  Max Chl Dpth (ft)         189.01    Hydr. Depth (ft)          126.17     182.57
```

```
 146.42
  Conv. Total (cfs)       166899900.0    Conv. (cfs)             69111140.0
20645690.0   77143090.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2352.36     360.01
2035.38
  Min Ch El (ft)            571.32    Shear (lb/sq ft)            0.24       0.36
   0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.33       0.65
   0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2182.76     457.26
1992.37
  C & E Loss (ft)                     Cum SA (acres)             16.63       2.46
  13.48


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5401.69*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  685.45   96.29  684.65  254.97  676.34   446.2  667.61  478.07  664.69
  481.46  664.53  818.49  662.52  962.93  644.69  962.93  627.72  988.02  627.58
 1019.89  624.55 1131.44  624.55 1147.37  623.61 1203.66  619.63 1274.86  617.53
 1299.95  617.09  1348.1  614.55 1402.35  612.63 1529.83  610.41 1588.83  607.66
 2262.88  590.67 2374.24   571.3 2495.45   571.3 2569.09  583.04 2618.18  590.67
 3030.79  602.55 3195.84  607.64 3412.64  607.64  3415.9  607.65 3635.96  601.02
 3690.97  601.27 3743.66  600.05 3942.27  594.54 3966.05  593.33 4008.48  598.49
 4140.88  617.61 4273.29  638.25  4438.8   677.3 4571.21  696.42

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2262.88     .15 2618.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2262.88 2618.18            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.37    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.33    Reach Len. (ft)            14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       286045.00   64888.30
285983.30
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            286045.00   64888.30
285983.30
  Q Total (cfs)           943512.30    Flow (cfs)              392851.00   116337.20
  434324.20
  Top Width (ft)           4571.21    Top Width (ft)           2262.88     355.30
1953.03
  Vel Total (ft/s)            1.48    Avg. Vel. (ft/s)            1.37       1.79
```

```
   1.52
  Max Chl Dpth (ft)         189.03    Hydr. Depth (ft)          126.41     182.63
 146.43
  Conv. Total (cfs)       166810900.0    Conv. (cfs)             69455190.0
20568160.0   76787570.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2357.14     358.49
2026.62
  Min Ch El (ft)            571.30    Shear (lb/sq ft)            0.24       0.36
   0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.33       0.65
   0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2084.65     434.92
1893.87
  C & E Loss (ft)                     Cum SA (acres)             15.85       2.34
  12.81
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5386.71*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	685.18	96.48	684.42	255.46	676.11	447.06	667.33	478.99	664.47
482.39	664.3	820.06	662.4	964.78	644.46	964.78	627.34	989.92	627.2
1021.85	624.32	1133.62	624.32	1149.58	623.37	1205.98	619.4	1277.31	617.33
1302.45	616.89	1350.69	614.32	1405.05	612.39	1532.78	610.01	1591.89	607.28
2267.23	590.58	2378.03	571.29	2499.43	571.29	2572.39	582.98	2621.02	590.58
3031.75	602.57	3196.05	607.7	3411.85	607.7	3415.1	607.72	3634.16	600.97
3688.92	601.21	3741.37	599.96	3939.08	594.4	3962.75	593.22	4004.98	598.48
4136.78	617.77	4268.59	638.5	4433.35	677.01	4565.15	696.3		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2267.23	.15	2621.02	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2267.23	2621.02	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.36    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.33    Reach Len. (ft)             14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       287123.10   64632.00
284699.20
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            287123.10   64632.00
284699.20
  Q Total (cfs)           943511.80    Flow (cfs)              394997.80   115959.50
  432554.50
  Top Width (ft)           4565.15    Top Width (ft)           2267.23     353.79
```

```
1944.13
  Vel Total (ft/s)            1.48    Avg. Vel. (ft/s)            1.38       1.79
   1.52
  Max Chl Dpth (ft)         189.04    Hydr. Depth (ft)          126.64     182.68
 146.44
  Conv. Total (cfs)       166723500.0    Conv. (cfs)             69798180.0
20490660.0   76434640.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2361.89     356.98
2017.84
  Min Ch El (ft)            571.29    Shear (lb/sq ft)            0.24       0.36
   0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.33       0.65
   0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1986.16     412.67
1795.81
  C & E Loss (ft)                     Cum SA (acres)             15.07       2.22
  12.14


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5371.72*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  684.91   96.66  684.19  255.95  675.88  447.92  667.04  479.91  664.24
  483.32  664.07  821.64  662.27  966.63  644.23  966.63  626.95  991.82  626.82
 1023.82  624.09  1135.8  624.09 1151.79  623.14 1208.29  619.17 1279.77  617.13
 1304.96  616.68 1353.29  614.09 1407.75  612.14 1535.72  609.62 1594.95   606.9
 2271.59   590.5 2381.82  571.27 2503.41  571.27 2575.68  582.92 2623.86   590.5
 3032.71  602.59 3196.25  607.77 3411.07  607.77 3414.31  607.79 3632.36  600.92
 3686.88  601.15 3739.08  599.87 3935.88  594.26 3959.44   593.1 4001.48  598.46
 4132.69  617.93 4263.89  638.75 4427.89  676.72 4559.09  696.18

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2271.59     .15 2623.86     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2271.59 2623.86            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.36    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.33    Reach Len. (ft)             14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       288205.60   64375.01
283411.20
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            288205.60   64375.01
283411.20
  Q Total (cfs)           943511.30    Flow (cfs)              397157.20   115580.60
```

```
  430773.60
  Top Width (ft)           4559.09    Top Width (ft)           2271.59     352.27
1935.23
  Vel Total (ft/s)            1.48    Avg. Vel. (ft/s)            1.38       1.80
   1.52
  Max Chl Dpth (ft)         189.06    Hydr. Depth (ft)          126.87     182.74
 146.45
  Conv. Total (cfs)       166635500.0    Conv. (cfs)             70142770.0
20412930.0   76079830.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2366.67     355.46
2009.06
  Min Ch El (ft)            571.27    Shear (lb/sq ft)            0.24       0.36
   0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.34       0.65
   0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1887.30     390.50
1698.19
  C & E Loss (ft)                     Cum SA (acres)             14.29       2.09
  11.48


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5356.74*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  684.64   96.85  683.96  256.44  675.66  448.78  666.75  480.83  664.02
  484.24  663.85  823.21  662.14  968.49  643.99  968.49  626.57  993.72  626.44
 1025.78  623.86 1137.97  623.86    1154   622.9 1210.61  618.94 1282.22  616.93
 1307.46  616.48 1355.88  613.86 1410.45   611.9 1538.67  609.22    1598  606.51
 2275.95  590.42 2385.61  571.26 2507.39  571.26 2578.98  582.86  2626.7  590.42
 3033.67  602.61 3196.46  607.84 3410.29  607.84 3413.51  607.85 3630.56  600.87
 3684.83  601.08 3736.79  599.79 3932.69  594.12 3956.14  592.98 3997.99  598.45
 4128.59  618.08 4259.18  639.01 4422.43  676.43 4553.03  696.06

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2275.95     .15  2626.7     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2275.95  2626.7             14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.36    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.33    Reach Len. (ft)            14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       289290.60   64115.84
282122.10
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            289290.60   64115.84
```

282122.10

Q Total (cfs)	943510.80	Flow (cfs)	399327.90	115195.20	428987.70
Top Width (ft)	4553.03	Top Width (ft)	2275.95	350.75	1926.33
Vel Total (ft/s)	1.48	Avg. Vel. (ft/s)	1.38	1.80	1.52
Max Chl Dpth (ft)	189.07	Hydr. Depth (ft)	127.11	182.80	146.46
Conv. Total (cfs)	166547700.0	Conv. (cfs)	70489020.0	20334160.0	75724530.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2371.43	353.94	2000.29
Min Ch El (ft)	571.26	Shear (lb/sq ft)	0.24	0.36	0.28
Alpha	1.02	Stream Power (lb/ft s)	0.34	0.65	0.43
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	1788.07	368.42	1601.01
C & E Loss (ft)		Cum SA (acres)	13.51	1.97	10.81

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5341.76*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	684.36	97.03	683.72	256.94	675.43	449.64	666.46	481.75	663.79
485.17	663.62	824.79	662.02	970.34	643.76	970.34	626.18	995.62	626.06
1027.74	623.64	1140.15	623.64	1156.21	622.67	1212.93	618.71	1284.68	616.73
1309.96	616.27	1358.48	613.64	1413.15	611.66	1541.61	608.82	1601.06	606.13
2280.3	590.33	2389.39	571.24	2511.36	571.24	2582.27	582.79	2629.54	590.33
3034.64	602.64	3196.67	607.91	3409.51	607.91	3412.72	607.92	3628.77	600.82
3682.78	601.02	3734.5	599.7	3929.49	593.99	3952.84	592.87	3994.49	598.44
4124.49	618.24	4254.48	639.26	4416.98	676.13	4546.97	695.94		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2280.3	.15	2629.54	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2280.3	2629.54	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.33	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	290376.00	63861.70	

```
280832.10
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            290376.00   63861.70
280832.10
  Q Total (cfs)           943510.30    Flow (cfs)              401496.30   114821.20
  427192.80
  Top Width (ft)           4546.97    Top Width (ft)           2280.30     349.24
1917.43
  Vel Total (ft/s)            1.49    Avg. Vel. (ft/s)            1.38       1.80
   1.52
  Max Chl Dpth (ft)         189.09    Hydr. Depth (ft)          127.34     182.86
 146.46
  Conv. Total (cfs)       166461700.0    Conv. (cfs)             70835220.0
20257680.0   75368780.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2376.21     352.43
1991.52
  Min Ch El (ft)            571.24    Shear (lb/sq ft)            0.25       0.36
   0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.34       0.65
   0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1688.46     346.43
1504.28
  C & E Loss (ft)                     Cum SA (acres)             12.73       1.85
  10.15
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5326.77*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	684.09	97.22	683.49	257.43	675.2	450.5	666.17	482.67	663.57
486.1	663.39	826.37	661.89	972.2	643.52	972.2	625.79	997.53	625.68
1029.71	623.41	1142.33	623.41	1158.42	622.43	1215.24	618.48	1287.13	616.53
1312.46	616.07	1361.07	613.41	1415.84	611.41	1544.56	608.42	1604.12	605.75
2284.66	590.25	2393.18	571.23	2515.34	571.23	2585.57	582.73	2632.39	590.25
3035.6	602.66	3196.88	607.98	3408.73	607.98	3411.92	607.99	3626.97	600.77
3680.73	600.96	3732.21	599.61	3926.3	593.85	3949.54	592.75	3991	598.42
4120.39	618.4	4249.78	639.51	4411.52	675.84	4540.91	695.82		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2284.66	.15	2632.39	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2284.66	2632.39	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.36    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.33    Reach Len. (ft)             14.97      14.97
```

```
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       291465.60   63603.92
279541.90
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            291465.60   63603.92
279541.90
  Q Total (cfs)           943509.90    Flow (cfs)              403678.40   114435.70
  425395.80
  Top Width (ft)           4540.91    Top Width (ft)           2284.66     347.73
1908.52
  Vel Total (ft/s)            1.49    Avg. Vel. (ft/s)            1.38       1.80
   1.52
  Max Chl Dpth (ft)         189.10    Hydr. Depth (ft)          127.58     182.91
 146.47
  Conv. Total (cfs)       166375800.0    Conv. (cfs)             71183500.0
20179270.0   75013070.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2380.98     350.92
1982.75
  Min Ch El (ft)            571.23    Shear (lb/sq ft)            0.25       0.36
   0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.34       0.65
   0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1588.48     324.53
1407.99
  C & E Loss (ft)                     Cum SA (acres)             11.95       1.73
   9.49


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5311.79*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  683.82    97.4  683.26  257.92  674.97  451.35  665.88  483.59  663.34
  487.02  663.17  827.94  661.77  974.05  643.29  974.05  625.41  999.43   625.3
 1031.67  623.18 1144.51  623.18 1160.63   622.2 1217.56  618.24 1289.59  616.33
 1314.97  615.86 1363.67  613.18 1418.54  611.17  1547.5  608.02 1607.18  605.36
 2289.01  590.17 2396.97  571.21 2519.32  571.21 2588.86  582.67 2635.23  590.17
 3036.56  602.68 3197.09  608.05 3407.95  608.05 3411.13  608.06 3625.17  600.72
 3678.68  600.89 3729.92  599.52 3923.11  593.71 3946.23  592.63  3987.5  598.41
 4116.29  618.56 4245.08  639.76 4406.06  675.55 4534.85   695.7

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2289.01     .15 2635.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2289.01 2635.23             14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.36    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150
```

```
  0.150
  W.S. Elev (ft)            760.32    Reach Len. (ft)            14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       292554.60   63348.03
278252.60
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            292554.60   63348.03
278252.60
  Q Total (cfs)           943509.40    Flow (cfs)              405861.00   114054.00
  423594.40
  Top Width (ft)           4534.85    Top Width (ft)           2289.01     346.22
1899.62
  Vel Total (ft/s)            1.49    Avg. Vel. (ft/s)            1.39       1.80
   1.52
  Max Chl Dpth (ft)         189.11    Hydr. Depth (ft)          127.81     182.97
 146.48
  Conv. Total (cfs)       166291100.0    Conv. (cfs)             71531960.0
20101720.0   74657430.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2385.74     349.41
1973.99
  Min Ch El (ft)            571.21    Shear (lb/sq ft)            0.25       0.36
   0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.34       0.66
   0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1488.13     302.71
1312.14
  C & E Loss (ft)                     Cum SA (acres)             11.16       1.61
   8.84


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5296.80*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  683.55   97.59  683.02  258.41  674.74  452.21  665.59  484.51  663.11
  487.95  662.94  829.52  661.64   975.9  643.05   975.9  625.02 1001.33  624.92
 1033.63  622.95 1146.69  622.95 1162.84  621.96 1219.88  618.01 1292.04  616.13
 1317.47  615.66 1366.26  612.95 1421.24  610.92 1550.45  607.63 1610.24  604.98
 2293.37  590.08 2400.76   571.2 2523.29   571.2 2592.16  582.61 2638.07  590.08
 3037.52   602.7  3197.3  608.11 3407.17  608.11 3410.33  608.12 3623.37  600.66
 3676.63  600.83 3727.64  599.43 3919.91  593.57 3942.93  592.52    3984   598.4
 4112.19  618.71 4240.37  640.01  4400.6  675.26 4528.79  695.58

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2293.37     .15 2638.07     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2293.37 2638.07            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.36    Element                    Left OB    Channel
```

Right OB					
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.32	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	293652.60	63088.92	276970.80
E.G. Slope (ft/ft)	0.000032	Area (sq ft)	293652.60	63088.92	276970.80
Q Total (cfs)	943508.90	Flow (cfs)	408052.00	113661.70	421795.20
Top Width (ft)	4528.79	Top Width (ft)	2293.37	344.70	1890.72
Vel Total (ft/s)	1.49	Avg. Vel. (ft/s)	1.39	1.80	1.52
Max Chl Dpth (ft)	189.12	Hydr. Depth (ft)	128.04	183.03	146.49
Conv. Total (cfs)	166212400.0	Conv. (cfs)	71884100.0	20023110.0	74305170.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2390.51	347.89	1965.23
Min Ch El (ft)	571.20	Shear (lb/sq ft)	0.25	0.36	0.28
Alpha	1.02	Stream Power (lb/ft s)	0.34	0.66	0.43
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	1387.40	280.99	1216.74
C & E Loss (ft)		Cum SA (acres)	10.37	1.50	8.19

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5281.82*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	683.27	97.78	682.79	258.9	674.51	453.07	665.3	485.44	662.89
488.88	662.72	831.09	661.51	977.76	642.82	977.76	624.63	1003.23	624.55
1035.6	622.73	1148.86	622.73	1165.04	621.72	1222.19	617.78	1294.49	615.93
1319.97	615.45	1368.86	612.73	1423.94	610.68	1553.39	607.23	1613.3	604.6
2297.73	590	2404.54	571.18	2527.27	571.18	2595.45	582.55	2640.91	590
3038.48	602.73	3197.5	608.18	3406.39	608.18	3409.54	608.19	3621.58	600.61
3674.58	600.76	3725.35	599.34	3916.72	593.43	3939.63	592.4	3980.51	598.38
4108.09	618.87	4235.67	640.27	4395.15	674.97	4522.73	695.45		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2297.73	.15	2640.91	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2297.73	2640.91	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.36    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.32    Reach Len. (ft)            14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       294743.70   62831.03
275679.00
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            294743.70   62831.03
275679.00
  Q Total (cfs)           943508.40    Flow (cfs)              410246.60   113276.20
  419985.50
  Top Width (ft)           4522.73    Top Width (ft)           2297.73     343.18
1881.82
  Vel Total (ft/s)            1.49    Avg. Vel. (ft/s)            1.39       1.80
   1.52
  Max Chl Dpth (ft)         189.14    Hydr. Depth (ft)          128.28     183.08
 146.50
  Conv. Total (cfs)       166126300.0    Conv. (cfs)             72233300.0
19944870.0   73948070.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2395.31     346.37
1956.48
  Min Ch El (ft)            571.18    Shear (lb/sq ft)            0.25       0.37
   0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.34       0.66
   0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1286.29     259.35
1121.77
  C & E Loss (ft)                     Cum SA (acres)              9.58       1.38
   7.54


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5266.83*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     683   97.96  682.56  259.39  674.28  453.93  665.01  486.36  662.66
   489.8  662.49  832.67  661.39  979.61  642.58  979.61  624.25 1005.13  624.17
 1037.56   622.5 1151.04   622.5 1167.25  621.49 1224.51  617.55 1296.95  615.73
 1322.47  615.25 1371.45   612.5 1426.64  610.43 1556.34  606.83 1616.36  604.21
 2302.08  589.92 2408.33  571.17 2531.25  571.17 2598.75  582.48 2643.75  589.92
 3039.44  602.75 3197.71  608.25 3405.61  608.25 3408.74  608.26 3619.78  600.56
 3672.54   600.7 3723.06  599.25 3913.52   593.3 3936.33  592.28 3977.01  598.37
 4103.99  619.03 4230.97  640.52 4389.69  674.68 4516.67  695.33

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2302.08     .15 2643.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2302.08 2643.75            14.97   14.97   14.97             .1       .3
```

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.32	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	295840.90	62573.22	274387.70
E.G. Slope (ft/ft)	0.000032	Area (sq ft)	295840.90	62573.22	274387.70
Q Total (cfs)	943507.90	Flow (cfs)	412454.00	112886.80	418167.20
Top Width (ft)	4516.67	Top Width (ft)	2302.08	341.67	1872.92
Vel Total (ft/s)	1.49	Avg. Vel. (ft/s)	1.39	1.80	1.52
Max Chl Dpth (ft)	189.15	Hydr. Depth (ft)	128.51	183.14	146.50
Conv. Total (cfs)	166043700.0	Conv. (cfs)	72585910.0	19866430.0	73591350.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2400.07	344.86	1947.72
Min Ch El (ft)	571.17	Shear (lb/sq ft)	0.25	0.37	0.28
Alpha	1.02	Stream Power (lb/ft s)	0.35	0.66	0.43
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	1184.81	237.80	1027.25
C & E Loss (ft)		Cum SA (acres)	8.79	1.26	6.90

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5251.85*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	682.73	98.15	682.33	259.88	674.05	454.79	664.72	487.28	662.44
490.73	662.26	834.24	661.26	981.46	642.35	981.46	623.86	1007.04	623.79
1039.52	622.27	1153.22	622.27	1169.46	621.25	1226.83	617.32	1299.4	615.53
1324.98	615.05	1374.05	612.27	1429.34	610.19	1559.28	606.43	1619.41	603.83
2306.44	589.83	2412.12	571.15	2535.23	571.15	2602.04	582.42	2646.59	589.83
3040.4	602.77	3197.92	608.32	3404.83	608.32	3407.95	608.33	3617.98	600.51
3670.49	600.64	3720.77	599.16	3910.33	593.16	3933.02	592.17	3973.52	598.36
4099.89	619.18	4226.27	640.77	4384.23	674.38	4510.61	695.21		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2306.44	.15	2646.59	.15

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.

```
       2306.44 2646.59            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.36    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.32    Reach Len. (ft)            14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       296943.10   62315.70
273101.90
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            296943.10   62315.70
273101.90
  Q Total (cfs)           943507.40    Flow (cfs)              414661.50   112496.70
  416349.20
  Top Width (ft)           4510.61    Top Width (ft)           2306.44     340.15
1864.02
  Vel Total (ft/s)            1.49    Avg. Vel. (ft/s)            1.40       1.81
   1.52
  Max Chl Dpth (ft)         189.17    Hydr. Depth (ft)          128.75     183.20
 146.51
  Conv. Total (cfs)       165965800.0    Conv. (cfs)             72940220.0
19788510.0   73237090.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2404.85     343.34
1938.97
  Min Ch El (ft)            571.15    Shear (lb/sq ft)            0.25       0.37
   0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.35       0.66
   0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1082.95     216.34
 933.18
  C & E Loss (ft)                     Cum SA (acres)              8.00       1.14
   6.25


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5236.86*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  682.45   98.33  682.09  260.37  673.82  455.65  664.43   488.2  662.21
  491.66  662.04  835.82  661.14  983.32  642.11  983.32  623.48 1008.94  623.41
 1041.48  622.05  1155.4  622.05 1171.67  621.02 1229.15  617.09 1301.86  615.33
 1327.48  614.84 1376.64  612.05 1432.04  609.95 1562.23  606.03 1622.47  603.45
 2310.79  589.75 2415.91  571.14  2539.2  571.14 2605.34  582.36 2649.43  589.75
 3041.36   602.8 3198.13  608.39 3404.05  608.39 3407.15  608.39 3616.18  600.46
 3668.44  600.57 3718.48  599.08 3907.14  593.02 3929.72  592.05 3970.02  598.34
 4095.79  619.34 4221.56  641.02 4378.78  674.09 4504.55  695.09

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2310.79     .15 2649.43     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2310.79 2649.43            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.35    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.32    Reach Len. (ft)            14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       298038.30   62056.95
271810.10
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            298038.30   62056.95
271810.10
  Q Total (cfs)           943506.90    Flow (cfs)              416873.60   112104.60
  414528.70
  Top Width (ft)           4504.55    Top Width (ft)           2310.79     338.64
1855.12
  Vel Total (ft/s)            1.49    Avg. Vel. (ft/s)            1.40       1.81
   1.53
  Max Chl Dpth (ft)         189.18    Hydr. Depth (ft)          128.98     183.25
 146.52
  Conv. Total (cfs)       165881800.0    Conv. (cfs)             73292260.0
19709580.0   72880000.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2409.62     341.83
1930.22
  Min Ch El (ft)            571.14    Shear (lb/sq ft)            0.25       0.37
   0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.35       0.66
   0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      980.72     194.97
 839.54
  C & E Loss (ft)                     Cum SA (acres)              7.21       1.03
   5.61


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5221.88*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  682.18   98.52  681.86  260.86  673.59  456.51  664.14  489.12  661.98
  492.59  661.81  837.39  661.01  985.17  641.88  985.17  623.09 1010.84  623.03
 1043.45  621.82 1157.58  621.82 1173.88  620.78 1231.46  616.85 1304.31  615.13
 1329.98  614.64 1379.24  611.82 1434.74   609.7 1565.17  605.64 1625.53  603.07
 2315.15  589.67  2419.7  571.12 2543.18  571.12 2608.64   582.3 2652.27  589.67
 3042.32  602.82 3198.34  608.45 3403.27  608.45 3406.36  608.46 3614.38  600.41
 3666.39  600.51 3716.19  598.99 3903.94  592.88 3926.42  591.93 3966.53  598.33
 4091.69   619.5 4216.86  641.28 4373.32   673.8 4498.49  694.97

Manning's n Values        num=       3
```

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2315.15	.15	2652.27	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2315.15	2652.27	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.32	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	299141.50	61798.41	270521.10
E.G. Slope (ft/ft)	0.000032	Area (sq ft)	299141.50	61798.41	270521.10
Q Total (cfs)	943506.50	Flow (cfs)	419093.90	111711.00	412701.50
Top Width (ft)	4498.49	Top Width (ft)	2315.15	337.12	1846.22
Vel Total (ft/s)	1.49	Avg. Vel. (ft/s)	1.40	1.81	1.53
Max Chl Dpth (ft)	189.20	Hydr. Depth (ft)	129.21	183.31	146.53
Conv. Total (cfs)	165802500.0	Conv. (cfs)	73647410.0	19630980.0	72524070.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2414.41	340.32	1921.48
Min Ch El (ft)	571.12	Shear (lb/sq ft)	0.25	0.37	0.28
Alpha	1.02	Stream Power (lb/ft s)	0.35	0.66	0.43
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	878.10	173.69	746.35
C & E Loss (ft)		Cum SA (acres)	6.41	0.91	4.98

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5206.89*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	681.91	98.7	681.63	261.35	673.36	457.37	663.86	490.04	661.76
493.51	661.58	838.97	660.88	987.02	641.64	987.02	622.7	1012.74	622.65
1045.41	621.59	1159.75	621.59	1176.09	620.55	1233.78	616.62	1306.76	614.93
1332.48	614.43	1381.83	611.59	1437.44	609.46	1568.12	605.24	1628.59	602.68
2319.51	589.58	2423.48	571.11	2547.16	571.11	2611.93	582.23	2655.11	589.58
3043.28	602.84	3198.54	608.52	3402.49	608.52	3405.56	608.53	3612.59	600.36
3664.34	600.45	3713.9	598.9	3900.75	592.74	3923.12	591.82	3963.03	598.32
4087.59	619.66	4212.16	641.53	4367.86	673.51	4492.43	694.85		

```
Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2319.51     .15 2655.11     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2319.51 2655.11            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.35    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.32    Reach Len. (ft)             14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       300252.80   61538.88
269232.00
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            300252.80   61538.88
269232.00
  Q Total (cfs)           943506.00    Flow (cfs)              421329.10   111313.20
  410863.80
  Top Width (ft)           4492.43    Top Width (ft)           2319.51     335.60
1837.32
  Vel Total (ft/s)            1.50    Avg. Vel. (ft/s)            1.40       1.81
   1.53
  Max Chl Dpth (ft)         189.21    Hydr. Depth (ft)          129.45     183.37
 146.54
  Conv. Total (cfs)       165726500.0    Conv. (cfs)             74006300.0
19552120.0   72168070.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2419.19     338.80
1912.74
  Min Ch El (ft)            571.11    Shear (lb/sq ft)            0.25       0.37
   0.28
  Alpha                       1.02    Stream Power (lb/ft s)      0.35       0.66
   0.43
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      775.11     152.49
 653.61
  C & E Loss (ft)                     Cum SA (acres)              5.62       0.79
   4.34


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5191.91*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  681.64   98.89   681.4  261.84  673.14  458.23  663.57  490.96  661.53
  494.44  661.36  840.55  660.76  988.88  641.41  988.88  622.32 1014.64  622.27
 1047.37  621.36 1161.93  621.36  1178.3  620.31  1236.1  616.39 1309.22  614.72
 1334.99  614.23 1384.43  611.36 1440.14  609.21 1571.06  604.84 1631.65   602.3
 2323.86   589.5 2427.27  571.09 2551.14  571.09 2615.23  582.17 2657.95   589.5
 3044.24  602.86 3198.75  608.59 3401.71  608.59 3404.77   608.6 3610.79  600.31
```

3662.29	600.38	3711.61	598.81	3897.55	592.61	3919.81	591.7	3959.53	598.3
4083.49	619.81	4207.45	641.78	4362.4	673.22	4486.36	694.73		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2323.86	.15	2657.95	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2323.86	2657.95	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.32	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	301352.80	61281.72	267941.60
E.G. Slope (ft/ft)	0.000032	Area (sq ft)	301352.80	61281.72	267941.60
Q Total (cfs)	943505.50	Flow (cfs)	423552.40	110921.30	409031.90
Top Width (ft)	4486.36	Top Width (ft)	2323.86	334.09	1828.41
Vel Total (ft/s)	1.50	Avg. Vel. (ft/s)	1.41	1.81	1.53
Max Chl Dpth (ft)	189.23	Hydr. Depth (ft)	129.68	183.43	146.54
Conv. Total (cfs)	165646500.0	Conv. (cfs)	74360940.0	19473880.0	71811650.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2423.97	337.29	1903.99
Min Ch El (ft)	571.09	Shear (lb/sq ft)	0.25	0.37	0.29
Alpha	1.02	Stream Power (lb/ft s)	0.35	0.67	0.44
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	671.73	131.39	561.30
C & E Loss (ft)		Cum SA (acres)	4.82	0.68	3.72

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5176.92*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	681.36	99.07	681.16	262.33	672.91	459.09	663.28	491.88	661.31
495.37	661.13	842.12	660.63	990.73	641.17	990.73	621.93	1016.55	621.89
1049.34	621.14	1164.11	621.14	1180.51	620.07	1238.41	616.16	1311.67	614.52
1337.49	614.02	1387.02	611.14	1442.84	608.97	1574.01	604.44	1634.71	601.92

```
 2328.22  589.42 2431.06  571.08 2555.11  571.08 2618.52  582.11 2660.79  589.42
  3045.2  602.89 3198.96  608.66 3400.93  608.66 3403.97  608.66 3608.99  600.26
 3660.24  600.32 3709.33  598.72 3894.36  592.47 3916.51  591.58 3956.04  598.29
  4079.4  619.97 4202.75  642.03 4356.95  672.92  4480.3  694.61

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2328.22     .15 2660.79     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2328.22 2660.79            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.35    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.32    Reach Len. (ft)             14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       302462.40   61020.47
266650.80
  E.G. Slope (ft/ft)      0.000032    Area (sq ft)            302462.40   61020.47
266650.80
  Q Total (cfs)           943505.00    Flow (cfs)              425795.10   110518.30
  407191.50
  Top Width (ft)           4480.30    Top Width (ft)           2328.22     332.57
1819.51
  Vel Total (ft/s)            1.50    Avg. Vel. (ft/s)            1.41       1.81
   1.53
  Max Chl Dpth (ft)         189.24    Hydr. Depth (ft)          129.91     183.48
 146.55
  Conv. Total (cfs)       165568100.0    Conv. (cfs)             74719360.0
19393970.0   71454760.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2428.76     335.77
1895.25
  Min Ch El (ft)            571.08    Shear (lb/sq ft)            0.25       0.37
   0.29
  Alpha                       1.02    Stream Power (lb/ft s)      0.36       0.67
   0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      567.98     110.37
 469.44
  C & E Loss (ft)                     Cum SA (acres)              4.02       0.56
   3.09


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5161.94*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0  681.09   99.26  680.93  262.83  672.68  459.94  662.99   492.8  661.08
  496.29  660.91   843.7   660.5  992.59  640.94  992.59  621.55 1018.45  621.52
```

```
  1051.3  620.91 1166.29  620.91 1182.71  619.84 1240.73  615.93 1314.13  614.32
 1339.99  613.82 1389.62  610.91 1445.54  608.72 1576.95  604.04 1637.77  601.53
 2332.57  589.33 2434.85  571.06 2559.09  571.06 2621.82  582.05 2663.64  589.33
 3046.16  602.91 3199.17  608.73 3400.15  608.73 3403.18  608.73 3607.19   600.2
  3658.2  600.25 3707.04  598.63 3891.17  592.33 3913.21  591.47 3952.54  598.28
  4075.3  620.13 4198.05  642.28 4351.49  672.63 4474.24  694.48

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2332.57     .15 2663.64     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2332.57 2663.64            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.35    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       303577.00   60765.50
265362.30
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            303577.00   60765.50
265362.30
  Q Total (cfs)           943504.60    Flow (cfs)              428039.40   110125.60
  405339.60
  Top Width (ft)           4474.24    Top Width (ft)           2332.57     331.07
1810.60
  Vel Total (ft/s)            1.50    Avg. Vel. (ft/s)            1.41       1.81
   1.53
  Max Chl Dpth (ft)         189.25    Hydr. Depth (ft)          130.15     183.54
 146.56
  Conv. Total (cfs)       165495900.0    Conv. (cfs)             75080460.0
19316630.0   71098800.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2433.53     334.27
1886.52
  Min Ch El (ft)            571.06    Shear (lb/sq ft)            0.25       0.37
   0.29
  Alpha                       1.02    Stream Power (lb/ft s)      0.36       0.67
   0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      463.84      89.45
 378.03
  C & E Loss (ft)                     Cum SA (acres)              3.22       0.45
   2.46



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5146.95*

INPUT
Description:
Station Elevation Data    num=      39
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
```

```
       0  680.82   99.44   680.7  263.32  672.45   460.8   662.7  493.72  660.85
  497.22  660.68  845.27  660.38  994.44   640.7  994.44  621.16 1020.35  621.14
 1053.26  620.68 1168.47  620.68 1184.92   619.6 1243.05   615.7 1316.58  614.12
 1342.49  613.61 1392.21  610.68 1448.24  608.48  1579.9  603.65 1640.82  601.15
 2336.93  589.25 2438.64  571.05 2563.07  571.05 2625.11  581.99 2666.48  589.25
 3047.12  602.93 3199.38   608.8 3399.37   608.8 3402.39   608.8 3605.39  600.15
 3656.15  600.19 3704.75  598.54 3887.97  592.19 3909.91  591.35 3949.05  598.26
  4071.2  620.29 4193.35  642.54 4346.03  672.34 4468.18  694.36

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2336.93     .15 2666.48     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2336.93 2666.48            14.97   14.97   14.97             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.35    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.04    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             14.97      14.97
  14.97
  Crit W.S. (ft)                      Flow Area (sq ft)       304687.60   60504.01
264070.60
  E.G. Slope (ft/ft)      0.000033    Area (sq ft)            304687.60   60504.01
264070.60
  Q Total (cfs)           943504.10    Flow (cfs)              430291.40   109720.90
  403491.80
  Top Width (ft)           4468.18    Top Width (ft)           2336.93     329.55
1801.70
  Vel Total (ft/s)            1.50    Avg. Vel. (ft/s)            1.41       1.81
   1.53
  Max Chl Dpth (ft)         189.26    Hydr. Depth (ft)          130.38     183.60
 146.57
  Conv. Total (cfs)       165417800.0    Conv. (cfs)             75439900.0
19236580.0   70741320.0
  Length Wtd. (ft)           14.97    Wetted Per. (ft)         2438.32     332.76
1877.79
  Min Ch El (ft)            571.05    Shear (lb/sq ft)            0.25       0.37
   0.29
  Alpha                       1.02    Stream Power (lb/ft s)      0.36       0.67
   0.44
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      359.32      68.61
 287.05
  C & E Loss (ft)                     Cum SA (acres)              2.42       0.34
   1.84


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: PALUXY RIVER       RS: 5131.97*

INPUT
Description:
```

Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680.55	99.63	680.47	263.81	672.22	461.66	662.41	494.64	660.63
498.15	660.45	846.85	660.25	996.29	640.47	996.29	620.77	1022.25	620.76
1055.23	620.45	1170.64	620.45	1187.13	619.37	1245.37	615.46	1319.03	613.92
1344.99	613.41	1394.81	610.45	1450.94	608.24	1582.84	603.25	1643.88	600.77
2341.29	589.17	2442.42	571.03	2567.04	571.03	2628.41	581.92	2669.32	589.17
3048.08	602.95	3199.58	608.86	3398.59	608.86	3401.59	608.87	3603.6	600.1
3654.1	600.13	3702.46	598.45	3884.78	592.05	3906.61	591.23	3945.55	598.25
4067.1	620.44	4188.64	642.79	4340.58	672.05	4462.12	694.24		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2341.29	.15	2669.32	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2341.29	2669.32	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	305802.50	60244.98	262783.00
E.G. Slope (ft/ft)	0.000033	Area (sq ft)	305802.50	60244.98	262783.00
Q Total (cfs)	943503.60	Flow (cfs)	432543.50	109319.40	401640.80
Top Width (ft)	4462.12	Top Width (ft)	2341.29	328.03	1792.80
Vel Total (ft/s)	1.50	Avg. Vel. (ft/s)	1.41	1.81	1.53
Max Chl Dpth (ft)	189.28	Hydr. Depth (ft)	130.61	183.66	146.58
Conv. Total (cfs)	165344500.0	Conv. (cfs)	75801160.0	19157700.0	70385610.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2443.12	331.24	1869.06
Min Ch El (ft)	571.03	Shear (lb/sq ft)	0.25	0.37	0.29
Alpha	1.02	Stream Power (lb/ft s)	0.36	0.67	0.44
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	254.42	47.86	196.52
C & E Loss (ft)		Cum SA (acres)	1.61	0.22	1.23

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: PALUXY RIVER RS: 5116.98*

INPUT
Description:
Station Elevation Data num= 39

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680.27	99.81	680.23	264.3	671.99	462.52	662.12	495.56	660.4
499.07	660.23	848.42	660.13	998.15	640.23	998.15	620.39	1024.15	620.38
1057.19	620.23	1172.82	620.23	1189.34	619.13	1247.68	615.23	1321.49	613.72
1347.5	613.2	1397.4	610.23	1453.64	607.99	1585.79	602.85	1646.94	600.38
2345.64	589.08	2446.21	571.02	2571.02	571.02	2631.7	581.86	2672.16	589.08
3049.04	602.98	3199.79	608.93	3397.81	608.93	3400.8	608.93	3601.8	600.05
3652.05	600.06	3700.17	598.37	3881.58	591.92	3903.3	591.12	3942.06	598.23
4063	620.6	4183.94	643.04	4335.12	671.76	4456.06	694.12		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2345.64	.15	2672.16	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2345.64	2672.16	14.97	14.97	14.97	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	14.97	14.97	14.97
Crit W.S. (ft)		Flow Area (sq ft)	306922.30	59985.61	261490.60
E.G. Slope (ft/ft)	0.000033	Area (sq ft)	306922.30	59985.61	261490.60
Q Total (cfs)	943503.10	Flow (cfs)	434812.00	108915.80	399775.30
Top Width (ft)	4456.06	Top Width (ft)	2345.64	326.52	1783.90
Vel Total (ft/s)	1.50	Avg. Vel. (ft/s)	1.42	1.82	1.53
Max Chl Dpth (ft)	189.29	Hydr. Depth (ft)	130.85	183.71	146.58
Conv. Total (cfs)	165271200.0	Conv. (cfs)	76165000.0	19078520.0	70027700.0
Length Wtd. (ft)	14.97	Wetted Per. (ft)	2447.90	329.73	1860.34
Min Ch El (ft)	571.02	Shear (lb/sq ft)	0.26	0.37	0.29
Alpha	1.02	Stream Power (lb/ft s)	0.36	0.67	0.44
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	149.13	27.20	106.44
C & E Loss (ft)		Cum SA (acres)	0.81	0.11	0.61

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY

REACH: PALUXY RIVER RS: 5102

INPUT
Description:
Station Elevation Data num= 22

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	100	680	500	660	850	660	1000	640
1000	620	1175	620	1250	615	1350	613	1400	610
1650	600	2350	589	2450	571	2575	571	2675	589
3050	603	3200	609	3400	609	3600	600	3650	600
3900	591	4450	694						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2350	.15	2675	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2350	2675	5	5	5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	5.00	5.00	5.00
Crit W.S. (ft)		Flow Area (sq ft)	308041.00	59725.75	260200.30
E.G. Slope (ft/ft)	0.000033	Area (sq ft)	308041.00	59725.75	260200.30
Q Total (cfs)	943502.60	Flow (cfs)	437079.20	108510.90	397912.50
Top Width (ft)	4450.00	Top Width (ft)	2350.00	325.00	1775.00
Vel Total (ft/s)	1.50	Avg. Vel. (ft/s)	1.42	1.82	1.53
Max Chl Dpth (ft)	189.31	Hydr. Depth (ft)	131.08	183.77	146.59
Conv. Total (cfs)	165198000.0	Conv. (cfs)	76528260.0	18999190.0	69670560.0
Length Wtd. (ft)	5.00	Wetted Per. (ft)	2452.70	328.21	1851.62
Min Ch El (ft)	571.00	Shear (lb/sq ft)	0.26	0.37	0.29
Alpha	1.02	Stream Power (lb/ft s)	0.36	0.67	0.44
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	43.46	6.63	16.79
C & E Loss (ft)	0.00	Cum SA (acres)			

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3838

INPUT
Description:
Station Elevation Data num= 18

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	680	500	660	700	660	1000	650
1250	630	1350	630	1475	620	1950	620	2025	619
2600	600	3000	600	3400	590	3500	568	3650	568
3700	600	3900	710	4150	720				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3700	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3700	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	449254.00	55793.00	32389.50
E.G. Slope (ft/ft)	0.000049	Area (sq ft)	449254.00	55793.00	32389.50
Q Total (cfs)	950432.10	Flow (cfs)	792734.20	122465.00	35232.90
Top Width (ft)	4150.00	Top Width (ft)	3400.00	300.00	450.00
Vel Total (ft/s)	1.77	Avg. Vel. (ft/s)	1.76	2.19	1.09
Max Chl Dpth (ft)	192.31	Hydr. Depth (ft)	132.13	185.98	71.98
Conv. Total (cfs)	136218800.0	Conv. (cfs)	113617100.0	17552060.0	5049686.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.74	311.75	518.76
Min Ch El (ft)	568.00	Shear (lb/sq ft)	0.39	0.54	0.19
Alpha	1.04	Stream Power (lb/ft s)	0.69	1.19	0.21
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	32011.48	5004.38	5978.50
C & E Loss (ft)		Cum SA (acres)	231.88	27.80	92.71

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3833.02*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.97	500	659.99	650	659.96	700	659.94
950	651.54	1000	649.87	1100	641.88	1250	629.92	1350	629.92
1475	619.96	1950	619.96	2025	618.96	2300	609.91	2600	600.03
3000	600.01	3200	595.03	3400	590.04	3450.19	579.02	3500.39	568
3650.19	568	3700.39	600	3743.47	623.75	3901.43	710	3958.87	712.34
4045.03	715.81	4131.18	719.22	4152.72	720.1				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3700.39	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3700.39	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	449344.90	55858.36	32521.91
E.G. Slope (ft/ft)	0.000049	Area (sq ft)	449344.90	55858.36	32521.91
Q Total (cfs)	950431.90	Flow (cfs)	792536.70	122538.30	35356.86
Top Width (ft)	4152.72	Top Width (ft)	3400.00	300.39	452.33
Vel Total (ft/s)	1.77	Avg. Vel. (ft/s)	1.76	2.19	1.09
Max Chl Dpth (ft)	192.31	Hydr. Depth (ft)	132.16	185.95	71.90
Conv. Total (cfs)	136298900.0	Conv. (cfs)	113655600.0	17572890.0	5070433.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.73	312.11	520.87
Min Ch El (ft)	568.00	Shear (lb/sq ft)	0.39	0.54	0.19
Alpha	1.04	Stream Power (lb/ft s)	0.69	1.19	0.21
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	31960.01	4997.99	5974.78
C & E Loss (ft)		Cum SA (acres)	231.49	27.77	92.66

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3828.03*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.94	500	659.98	650	659.92	700	659.88
950	651.4	1000	649.73	1100	641.75	1250	629.84	1350	629.84
1475	619.92	1950	619.92	2025	618.93	2300	609.91	2600	600.06
3000	600.03	3200	595.05	3400	590.08	3450.39	579.05	3500.78	567.99
3650.39	567.99	3700.78	600	3744.08	623.93	3902.85	710	3960.59	712.38
4047.19	715.9	4133.8	719.31	4155.45	720.19				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3700.78	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3700.78	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	449437.10	55925.36	32654.60
E.G. Slope (ft/ft)	0.000049	Area (sq ft)	449437.10	55925.36	32654.60
Q Total (cfs)	950431.80	Flow (cfs)	792337.70	122614.10	35479.91
Top Width (ft)	4155.45	Top Width (ft)	3400.00	300.78	454.67
Vel Total (ft/s)	1.77	Avg. Vel. (ft/s)	1.76	2.19	1.09
Max Chl Dpth (ft)	192.32	Hydr. Depth (ft)	132.19	185.93	71.82
Conv. Total (cfs)	136380000.0	Conv. (cfs)	113694700.0	17594230.0	5091108.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.72	312.48	523.00
Min Ch El (ft)	567.99	Shear (lb/sq ft)	0.39	0.54	0.19
Alpha	1.04	Stream Power (lb/ft s)	0.69	1.19	0.21
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	31908.53	4991.58	5971.05
C & E Loss (ft)		Cum SA (acres)	231.10	27.73	92.60

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3823.05*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.91	500	659.96	650	659.88	700	659.82
950	651.27	1000	649.6	1100	641.63	1250	629.77	1350	629.77
1475	619.88	1950	619.88	2025	618.89	2300	609.91	2600	600.09
3000	600.04	3200	595.08	3400	590.12	3450.58	579.07	3501.17	567.99
3650.58	567.99	3701.17	600	3744.69	624.11	3904.28	710	3962.31	712.43
4049.36	716	4136.41	719.39	4158.17	720.29				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3701.17	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3701.17	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	449527.60	55990.68	32785.72
E.G. Slope (ft/ft)	0.000049	Area (sq ft)	449527.60	55990.68	32785.72
Q Total (cfs)	950431.60	Flow (cfs)	792142.90	122687.50	35601.24
Top Width (ft)	4158.17	Top Width (ft)	3400.00	301.17	457.00
Vel Total (ft/s)	1.77	Avg. Vel. (ft/s)	1.76	2.19	1.09
Max Chl Dpth (ft)	192.32	Hydr. Depth (ft)	132.21	185.91	71.74
Conv. Total (cfs)	136459600.0	Conv. (cfs)	113733000.0	17615030.0	5111498.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.71	312.84	525.10
Min Ch El (ft)	567.99	Shear (lb/sq ft)	0.39	0.54	0.19
Alpha	1.04	Stream Power (lb/ft s)	0.69	1.19	0.21
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	31857.04	4985.17	5967.30
C & E Loss (ft)		Cum SA (acres)	230.71	27.70	92.55

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3818.07*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.87	500	659.95	650	659.84	700	659.76
950	651.14	1000	649.46	1100	641.5	1250	629.69	1350	629.69
1475	619.84	1950	619.84	2025	618.86	2300	609.91	2600	600.11
3000	600.06	3200	595.11	3400	590.16	3450.78	579.09	3501.56	567.98
3650.78	567.98	3701.56	600	3745.3	624.29	3905.71	710.01	3964.04	712.48
4051.53	716.09	4139.02	719.47	4160.9	720.39				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3701.56	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3701.56	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	449621.80	56058.12	32916.72
E.G. Slope (ft/ft)	0.000048	Area (sq ft)	449621.80	56058.12	32916.72
Q Total (cfs)	950431.50	Flow (cfs)	791946.50	122764.10	35720.91
Top Width (ft)	4160.90	Top Width (ft)	3400.00	301.56	459.34
Vel Total (ft/s)	1.76	Avg. Vel. (ft/s)	1.76	2.19	1.09
Max Chl Dpth (ft)	192.33	Hydr. Depth (ft)	132.24	185.89	71.66
Conv. Total (cfs)	136541300.0	Conv. (cfs)	113773000.0	17636580.0	5131753.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.70	313.21	527.23
Min Ch El (ft)	567.98	Shear (lb/sq ft)	0.39	0.54	0.19
Alpha	1.04	Stream Power (lb/ft s)	0.69	1.19	0.20
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	31805.54	4978.76	5963.54
C & E Loss (ft)		Cum SA (acres)	230.32	27.67	92.50

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3813.09*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.84	500	659.94	650	659.81	700	659.7
950	651.01	1000	649.33	1100	641.38	1250	629.61	1350	629.61
1475	619.81	1950	619.81	2025	618.82	2300	609.91	2600	600.14
3000	600.07	3200	595.14	3400	590.19	3450.97	579.12	3501.95	567.98
3650.97	567.98	3701.95	600	3745.91	624.47	3907.13	710.01	3965.76	712.53
4053.7	716.19	4141.63	719.55	4163.62	720.49				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3701.95	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3701.95	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	449706.60	56123.15	33046.66
E.G. Slope (ft/ft)	0.000048	Area (sq ft)	449706.60	56123.15	33046.66
Q Total (cfs)	950431.40	Flow (cfs)	791751.80	122839.20	35840.35
Top Width (ft)	4163.62	Top Width (ft)	3400.00	301.95	461.67
Vel Total (ft/s)	1.76	Avg. Vel. (ft/s)	1.76	2.19	1.08
Max Chl Dpth (ft)	192.33	Hydr. Depth (ft)	132.27	185.87	71.58
Conv. Total (cfs)	136618000.0	Conv. (cfs)	113808900.0	17657300.0	5151806.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.69	313.56	529.34
Min Ch El (ft)	567.98	Shear (lb/sq ft)	0.39	0.54	0.19
Alpha	1.04	Stream Power (lb/ft s)	0.69	1.18	0.20
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	31754.03	4972.33	5959.76
C & E Loss (ft)		Cum SA (acres)	229.93	27.63	92.45

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3808.11*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.81	500	659.93	650	659.77	700	659.64
950	650.88	1000	649.19	1100	641.25	1250	629.53	1350	629.53
1475	619.77	1950	619.77	2025	618.79	2300	609.92	2600	600.17
3000	600.09	3200	595.16	3400	590.23	3451.17	579.14	3502.33	567.98
3651.17	567.98	3702.33	600	3746.53	624.66	3908.56	710.01	3967.48	712.58
4055.86	716.28	4144.25	719.63	4166.34	720.58				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3702.33	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3702.33	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	449794.00	56186.85	33178.69
E.G. Slope (ft/ft)	0.000048	Area (sq ft)	449794.00	56186.85	33178.69
Q Total (cfs)	950431.30	Flow (cfs)	791559.30	122909.60	35962.33
Top Width (ft)	4166.34	Top Width (ft)	3400.00	302.33	464.01
Vel Total (ft/s)	1.76	Avg. Vel. (ft/s)	1.76	2.19	1.08
Max Chl Dpth (ft)	192.33	Hydr. Depth (ft)	132.29	185.85	71.50
Conv. Total (cfs)	136695700.0	Conv. (cfs)	113846000.0	17677470.0	5172281.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.68	313.92	531.47
Min Ch El (ft)	567.98	Shear (lb/sq ft)	0.39	0.54	0.19
Alpha	1.04	Stream Power (lb/ft s)	0.69	1.18	0.20
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	31702.50	4965.90	5955.97
C & E Loss (ft)		Cum SA (acres)	229.54	27.60	92.39

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3803.13*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.78	500	659.92	650	659.73	700	659.58
950	650.75	1000	649.06	1100	641.13	1250	629.46	1350	629.46
1475	619.73	1950	619.73	2025	618.75	2300	609.92	2600	600.2
3000	600.1	3200	595.19	3400	590.27	3451.36	579.16	3502.72	567.97
3651.36	567.97	3702.72	600	3747.14	624.84	3909.99	710.01	3969.21	712.63
4058.03	716.38	4146.86	719.71	4169.07	720.68				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3702.72	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3702.72	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	449882.30	56254.13	33308.79
E.G. Slope (ft/ft)	0.000048	Area (sq ft)	449882.30	56254.13	33308.79
Q Total (cfs)	950431.10	Flow (cfs)	791362.40	122988.10	36080.63
Top Width (ft)	4169.07	Top Width (ft)	3400.00	302.72	466.35
Vel Total (ft/s)	1.76	Avg. Vel. (ft/s)	1.76	2.19	1.08
Max Chl Dpth (ft)	192.34	Hydr. Depth (ft)	132.32	185.83	71.42
Conv. Total (cfs)	136774700.0	Conv. (cfs)	113883400.0	17698980.0	5192295.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.67	314.28	533.60
Min Ch El (ft)	567.97	Shear (lb/sq ft)	0.39	0.54	0.19
Alpha	1.04	Stream Power (lb/ft s)	0.68	1.18	0.20
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	31650.97	4959.46	5952.16
C & E Loss (ft)		Cum SA (acres)	229.15	27.56	92.34

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3798.15*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.75	500	659.9	650	659.69	700	659.52
950	650.62	1000	648.92	1100	641	1250	629.38	1350	629.38
1475	619.69	1950	619.69	2025	618.72	2300	609.92	2600	600.23
3000	600.12	3200	595.22	3400	590.31	3451.56	579.19	3503.11	567.97
3651.56	567.97	3703.11	600	3747.75	625.02	3911.41	710.01	3970.93	712.68
4060.2	716.47	4149.47	719.79	4171.79	720.78				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3703.11	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3703.11	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	449972.80	56318.96	33438.53
E.G. Slope (ft/ft)	0.000048	Area (sq ft)	449972.80	56318.96	33438.53
Q Total (cfs)	950430.90	Flow (cfs)	791173.00	123059.30	36198.54
Top Width (ft)	4171.79	Top Width (ft)	3400.00	303.11	468.68
Vel Total (ft/s)	1.76	Avg. Vel. (ft/s)	1.76	2.19	1.08
Max Chl Dpth (ft)	192.34	Hydr. Depth (ft)	132.34	185.80	71.35
Conv. Total (cfs)	136853500.0	Conv. (cfs)	113921800.0	17719430.0	5212264.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.66	314.64	535.72
Min Ch El (ft)	567.97	Shear (lb/sq ft)	0.39	0.54	0.19
Alpha	1.04	Stream Power (lb/ft s)	0.68	1.18	0.20
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	31599.43	4953.01	5948.34
C & E Loss (ft)		Cum SA (acres)	228.76	27.53	92.29

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3793.17*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.72	500	659.89	650	659.65	700	659.46
950	650.49	1000	648.79	1100	640.88	1250	629.3	1350	629.3
1475	619.65	1950	619.65	2025	618.68	2300	609.92	2600	600.26
3000	600.13	3200	595.25	3400	590.35	3451.75	579.21	3503.5	567.96
3651.75	567.96	3703.5	600	3748.36	625.2	3912.84	710.01	3972.65	712.73
4062.37	716.56	4152.08	719.87	4174.51	720.88				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3703.5	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3703.5	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.36	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	450063.50	56386.19	33568.37
E.G. Slope (ft/ft)	0.000048	Area (sq ft)	450063.50	56386.19	33568.37
Q Total (cfs)	950430.80	Flow (cfs)	790978.10	123136.50	36316.16
Top Width (ft)	4174.51	Top Width (ft)	3400.00	303.50	471.01
Vel Total (ft/s)	1.76	Avg. Vel. (ft/s)	1.76	2.18	1.08
Max Chl Dpth (ft)	192.35	Hydr. Depth (ft)	132.37	185.79	71.27
Conv. Total (cfs)	136933400.0	Conv. (cfs)	113960300.0	17740910.0	5232256.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.65	315.01	537.83
Min Ch El (ft)	567.96	Shear (lb/sq ft)	0.39	0.54	0.19
Alpha	1.04	Stream Power (lb/ft s)	0.68	1.18	0.20
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	31547.88	4946.55	5944.50
C & E Loss (ft)		Cum SA (acres)	228.37	27.49	92.23

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3788.19*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.69	500	659.88	650	659.61	700	659.4
950	650.36	1000	648.65	1100	640.75	1250	629.22	1350	629.22
1475	619.61	1950	619.61	2025	618.65	2300	609.92	2600	600.29
3000	600.15	3200	595.27	3400	590.39	3451.95	579.23	3503.89	567.96
3651.95	567.96	3703.89	600	3748.97	625.38	3914.27	710.01	3974.37	712.78
4064.54	716.66	4154.7	719.95	4177.24	720.97				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3703.89	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3703.89	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.30	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	450153.70	56451.48	33697.51
E.G. Slope (ft/ft)	0.000048	Area (sq ft)	450153.70	56451.48	33697.51
Q Total (cfs)	950430.70	Flow (cfs)	790789.70	123209.30	36431.76
Top Width (ft)	4177.24	Top Width (ft)	3400.00	303.89	473.35
Vel Total (ft/s)	1.76	Avg. Vel. (ft/s)	1.76	2.18	1.08
Max Chl Dpth (ft)	192.34	Hydr. Depth (ft)	132.40	185.76	71.19
Conv. Total (cfs)	137012000.0	Conv. (cfs)	113998500.0	17761590.0	5251924.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.64	315.37	539.97
Min Ch El (ft)	567.96	Shear (lb/sq ft)	0.39	0.54	0.19
Alpha	1.04	Stream Power (lb/ft s)	0.68	1.17	0.20
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	31496.32	4940.09	5940.65
C & E Loss (ft)		Cum SA (acres)	227.98	27.46	92.18

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3783.21*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.65	500	659.87	650	659.57	700	659.34
950	650.23	1000	648.52	1100	640.63	1250	629.14	1350	629.14
1475	619.57	1950	619.57	2025	618.61	2300	609.92	2600	600.31
3000	600.16	3200	595.3	3400	590.43	3452.14	579.26	3504.28	567.96
3652.14	567.96	3704.28	600	3749.58	625.56	3915.69	710.01	3976.1	712.83
4066.7	716.75	4157.31	720.04	4179.96	721.07				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3704.28	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3704.28	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.30	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	450250.30	56516.20	33825.54
E.G. Slope (ft/ft)	0.000048	Area (sq ft)	450250.30	56516.20	33825.54
Q Total (cfs)	950430.60	Flow (cfs)	790607.10	123278.10	36545.44
Top Width (ft)	4179.96	Top Width (ft)	3400.00	304.28	475.68
Vel Total (ft/s)	1.76	Avg. Vel. (ft/s)	1.76	2.18	1.08
Max Chl Dpth (ft)	192.34	Hydr. Depth (ft)	132.43	185.74	71.11
Conv. Total (cfs)	137092900.0	Conv. (cfs)	114039500.0	17782000.0	5271423.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.63	315.73	542.10
Min Ch El (ft)	567.96	Shear (lb/sq ft)	0.39	0.54	0.19
Alpha	1.04	Stream Power (lb/ft s)	0.68	1.17	0.20
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	31444.75	4933.62	5936.78
C & E Loss (ft)		Cum SA (acres)	227.59	27.42	92.12

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3778.23*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.62	500	659.86	650	659.53	700	659.28
950	650.09	1000	648.38	1100	640.51	1250	629.07	1350	629.07
1475	619.53	1950	619.53	2025	618.58	2300	609.92	2600	600.34
3000	600.18	3200	595.33	3400	590.47	3452.33	579.28	3504.67	567.95
3652.33	567.95	3704.67	600	3750.19	625.74	3917.12	710.02	3977.82	712.88
4068.87	716.85	4159.92	720.12	4182.69	721.17				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3704.67	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3704.67	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.30	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	450336.30	56583.41	33952.66
E.G. Slope (ft/ft)	0.000048	Area (sq ft)	450336.30	56583.41	33952.66
Q Total (cfs)	950430.40	Flow (cfs)	790415.40	123357.40	36657.65
Top Width (ft)	4182.69	Top Width (ft)	3400.00	304.67	478.02
Vel Total (ft/s)	1.76	Avg. Vel. (ft/s)	1.76	2.18	1.08
Max Chl Dpth (ft)	192.35	Hydr. Depth (ft)	132.45	185.72	71.03
Conv. Total (cfs)	137170100.0	Conv. (cfs)	114076000.0	17803450.0	5290584.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.63	316.10	544.23
Min Ch El (ft)	567.95	Shear (lb/sq ft)	0.39	0.54	0.19
Alpha	1.04	Stream Power (lb/ft s)	0.68	1.17	0.20
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	31393.16	4927.14	5932.90
C & E Loss (ft)		Cum SA (acres)	227.20	27.39	92.07

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3773.25*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.59	500	659.84	650	659.49	700	659.22
950	649.96	1000	648.25	1100	640.38	1250	628.99	1350	628.99
1475	619.49	1950	619.49	2025	618.54	2300	609.92	2600	600.37
3000	600.19	3200	595.35	3400	590.51	3452.53	579.3	3505.06	567.95
3652.53	567.95	3705.06	600	3750.81	625.92	3918.55	710.02	3979.54	712.93
4071.04	716.94	4162.53	720.2	4185.41	721.26				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3705.06	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3705.06	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.30	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	450433.00	56648.70	34081.70
E.G. Slope (ft/ft)	0.000048	Area (sq ft)	450433.00	56648.70	34081.70
Q Total (cfs)	950430.30	Flow (cfs)	790230.90	123427.30	36772.21
Top Width (ft)	4185.41	Top Width (ft)	3400.00	305.06	480.35
Vel Total (ft/s)	1.76	Avg. Vel. (ft/s)	1.75	2.18	1.08
Max Chl Dpth (ft)	192.35	Hydr. Depth (ft)	132.48	185.70	70.95
Conv. Total (cfs)	137251400.0	Conv. (cfs)	114117000.0	17824100.0	5310265.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.62	316.46	546.37
Min Ch El (ft)	567.95	Shear (lb/sq ft)	0.39	0.54	0.19
Alpha	1.04	Stream Power (lb/ft s)	0.68	1.17	0.20
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	31341.57	4920.66	5929.00
C & E Loss (ft)		Cum SA (acres)	226.82	27.35	92.02

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3768.27*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.56	500	659.83	650	659.46	700	659.16
950	649.83	1000	648.11	1100	640.26	1250	628.91	1350	628.91
1475	619.46	1950	619.46	2025	618.51	2300	609.92	2600	600.4
3000	600.21	3200	595.38	3400	590.54	3452.72	579.33	3505.45	567.95
3652.72	567.95	3705.45	600	3751.42	626.1	3919.97	710.02	3981.27	712.98
4073.21	717.04	4165.15	720.28	4188.13	721.36				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3705.45	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3705.45	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.30	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	450514.10	56713.61	34208.43
E.G. Slope (ft/ft)	0.000048	Area (sq ft)	450514.10	56713.61	34208.43
Q Total (cfs)	950430.20	Flow (cfs)	790042.40	123503.00	36884.70
Top Width (ft)	4188.13	Top Width (ft)	3400.00	305.45	482.68
Vel Total (ft/s)	1.76	Avg. Vel. (ft/s)	1.75	2.18	1.08
Max Chl Dpth (ft)	192.35	Hydr. Depth (ft)	132.50	185.67	70.87
Conv. Total (cfs)	137325600.0	Conv. (cfs)	114151500.0	17844680.0	5329389.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.61	316.82	548.49
Min Ch El (ft)	567.95	Shear (lb/sq ft)	0.39	0.54	0.19
Alpha	1.04	Stream Power (lb/ft s)	0.68	1.17	0.20
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	31289.96	4914.16	5925.09
C & E Loss (ft)		Cum SA (acres)	226.43	27.32	91.96

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3763.29*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.53	500	659.82	650	659.42	700	659.11
950	649.7	1000	647.98	1100	640.13	1250	628.83	1350	628.83
1475	619.42	1950	619.42	2025	618.47	2300	609.92	2600	600.43
3000	600.22	3200	595.41	3400	590.58	3452.92	579.35	3505.84	567.94
3652.92	567.94	3705.84	600	3752.03	626.28	3921.4	710.02	3982.99	713.03
4075.38	717.13	4167.76	720.36	4190.86	721.46				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3705.84	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3705.84	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.30	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	450604.50	56780.83	34336.40
E.G. Slope (ft/ft)	0.000048	Area (sq ft)	450604.50	56780.83	34336.40
Q Total (cfs)	950430.10	Flow (cfs)	789852.80	123579.80	36997.54
Top Width (ft)	4190.86	Top Width (ft)	3400.00	305.84	485.02
Vel Total (ft/s)	1.75	Avg. Vel. (ft/s)	1.75	2.18	1.08
Max Chl Dpth (ft)	192.36	Hydr. Depth (ft)	132.53	185.66	70.79
Conv. Total (cfs)	137404600.0	Conv. (cfs)	114189800.0	17866050.0	5348771.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.60	317.19	550.63
Min Ch El (ft)	567.94	Shear (lb/sq ft)	0.39	0.53	0.19
Alpha	1.04	Stream Power (lb/ft s)	0.68	1.16	0.20
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	31238.35	4907.66	5921.16
C & E Loss (ft)		Cum SA (acres)	226.04	27.28	91.90

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3758.31*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.5	500	659.81	650	659.38	700	659.05
950	649.57	1000	647.84	1100	640.01	1250	628.75	1350	628.75
1475	619.38	1950	619.38	2025	618.44	2300	609.92	2600	600.46
3000	600.24	3200	595.44	3400	590.62	3453.11	579.37	3506.23	567.94
3653.11	567.94	3706.23	600	3752.64	626.46	3922.83	710.02	3984.71	713.08
4077.54	717.23	4170.37	720.44	4193.58	721.56				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3706.23	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3706.23	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.30	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	450691.40	56845.98	34462.76
E.G. Slope (ft/ft)	0.000048	Area (sq ft)	450691.40	56845.98	34462.76
Q Total (cfs)	950429.90	Flow (cfs)	789668.00	123653.50	37108.37
Top Width (ft)	4193.58	Top Width (ft)	3400.00	306.23	487.35
Vel Total (ft/s)	1.75	Avg. Vel. (ft/s)	1.75	2.18	1.08
Max Chl Dpth (ft)	192.36	Hydr. Depth (ft)	132.56	185.63	70.71
Conv. Total (cfs)	137481200.0	Conv. (cfs)	114226700.0	17886670.0	5367785.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.59	317.55	552.76
Min Ch El (ft)	567.94	Shear (lb/sq ft)	0.39	0.53	0.19
Alpha	1.04	Stream Power (lb/ft s)	0.68	1.16	0.20
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	31186.73	4901.15	5917.22
C & E Loss (ft)		Cum SA (acres)	225.65	27.25	91.85

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3753.33*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.47	500	659.8	650	659.34	700	658.99
950	649.44	1000	647.71	1100	639.88	1250	628.68	1350	628.68
1475	619.34	1950	619.34	2025	618.4	2300	609.92	2600	600.49
3000	600.25	3200	595.46	3400	590.66	3453.31	579.4	3506.61	567.93
3653.31	567.93	3706.61	600	3753.25	626.64	3924.25	710.02	3986.44	713.13
4079.71	717.32	4172.98	720.52	4196.3	721.65				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3706.61	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3706.61	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.30	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	450783.20	56910.96	34590.85
E.G. Slope (ft/ft)	0.000048	Area (sq ft)	450783.20	56910.96	34590.85
Q Total (cfs)	950429.80	Flow (cfs)	789484.90	123724.30	37220.70
Top Width (ft)	4196.30	Top Width (ft)	3400.00	306.61	489.69
Vel Total (ft/s)	1.75	Avg. Vel. (ft/s)	1.75	2.17	1.08
Max Chl Dpth (ft)	192.37	Hydr. Depth (ft)	132.58	185.61	70.64
Conv. Total (cfs)	137560000.0	Conv. (cfs)	114265700.0	17907170.0	5387119.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.58	317.91	554.91
Min Ch El (ft)	567.93	Shear (lb/sq ft)	0.39	0.53	0.19
Alpha	1.04	Stream Power (lb/ft s)	0.68	1.16	0.20
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	31135.09	4894.64	5913.27
C & E Loss (ft)		Cum SA (acres)	225.26	27.21	91.79

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3748.35*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.43	500	659.78	650	659.3	700	658.93
950	649.31	1000	647.57	1100	639.76	1250	628.6	1350	628.6
1475	619.3	1950	619.3	2025	618.37	2300	609.92	2600	600.51
3000	600.26	3200	595.49	3400	590.7	3453.5	579.42	3507	567.93
3653.5	567.93	3707	600	3753.86	626.82	3925.68	710.02	3988.16	713.18
4081.88	717.42	4175.6	720.6	4199.03	721.75				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3707	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3707	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.30	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	450881.20	56976.04	34716.86
E.G. Slope (ft/ft)	0.000048	Area (sq ft)	450881.20	56976.04	34716.86
Q Total (cfs)	950429.60	Flow (cfs)	789307.30	123793.50	37328.89
Top Width (ft)	4199.03	Top Width (ft)	3400.00	307.00	492.03
Vel Total (ft/s)	1.75	Avg. Vel. (ft/s)	1.75	2.17	1.08
Max Chl Dpth (ft)	192.37	Hydr. Depth (ft)	132.61	185.59	70.56
Conv. Total (cfs)	137641000.0	Conv. (cfs)	114307300.0	17927730.0	5405961.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.57	318.27	557.05
Min Ch El (ft)	567.93	Shear (lb/sq ft)	0.39	0.53	0.19
Alpha	1.04	Stream Power (lb/ft s)	0.67	1.16	0.20
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	31083.45	4888.12	5909.30
C & E Loss (ft)		Cum SA (acres)	224.87	27.18	91.74

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3743.37*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.4	500	659.77	650	659.26	700	658.87
950	649.18	1000	647.44	1100	639.63	1250	628.52	1350	628.52
1475	619.26	1950	619.26	2025	618.33	2300	609.92	2600	600.54
3000	600.28	3200	595.52	3400	590.74	3453.7	579.44	3507.39	567.93
3653.7	567.93	3707.39	600	3754.47	627	3927.11	710.02	3989.88	713.23
4084.05	717.51	4178.21	720.68	4201.75	721.85				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3707.39	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3707.39	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.30	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	450970.30	57041.18	34843.09
E.G. Slope (ft/ft)	0.000048	Area (sq ft)	450970.30	57041.18	34843.09
Q Total (cfs)	950429.50	Flow (cfs)	789125.10	123865.70	37438.71
Top Width (ft)	4201.75	Top Width (ft)	3400.00	307.39	494.36
Vel Total (ft/s)	1.75	Avg. Vel. (ft/s)	1.75	2.17	1.07
Max Chl Dpth (ft)	192.37	Hydr. Depth (ft)	132.64	185.57	70.48
Conv. Total (cfs)	137718300.0	Conv. (cfs)	114345100.0	17948270.0	5424912.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.57	318.63	559.19
Min Ch El (ft)	567.93	Shear (lb/sq ft)	0.39	0.53	0.19
Alpha	1.04	Stream Power (lb/ft s)	0.67	1.16	0.20
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	31031.79	4881.58	5905.31
C & E Loss (ft)		Cum SA (acres)	224.48	27.14	91.68

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3738.38*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.37	500	659.76	650	659.22	700	658.81
950	649.05	1000	647.3	1100	639.51	1250	628.44	1350	628.44
1475	619.22	1950	619.22	2025	618.3	2300	609.92	2600	600.57
3000	600.29	3200	595.54	3400	590.78	3453.89	579.47	3507.78	567.92
3653.89	567.92	3707.78	600	3755.09	627.18	3928.53	710.03	3991.61	713.28
4086.21	717.6	4180.82	720.77	4204.47	721.95				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3707.78	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3707.78	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.30	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	451062.20	57107.74	34967.23
E.G. Slope (ft/ft)	0.000048	Area (sq ft)	451062.20	57107.74	34967.23
Q Total (cfs)	950429.40	Flow (cfs)	788944.90	123940.40	37544.16
Top Width (ft)	4204.47	Top Width (ft)	3400.00	307.78	496.69
Vel Total (ft/s)	1.75	Avg. Vel. (ft/s)	1.75	2.17	1.07
Max Chl Dpth (ft)	192.38	Hydr. Depth (ft)	132.67	185.55	70.40
Conv. Total (cfs)	137796700.0	Conv. (cfs)	114384100.0	17969330.0	5443288.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.56	319.00	561.33
Min Ch El (ft)	567.92	Shear (lb/sq ft)	0.38	0.53	0.19
Alpha	1.04	Stream Power (lb/ft s)	0.67	1.15	0.20
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	30980.13	4875.05	5901.31
C & E Loss (ft)		Cum SA (acres)	224.09	27.11	91.62

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3733.40*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.34	500	659.75	650	659.18	700	658.75
950	648.92	1000	647.17	1100	639.39	1250	628.37	1350	628.37
1475	619.18	1950	619.18	2025	618.26	2300	609.92	2600	600.6
3000	600.31	3200	595.57	3400	590.82	3454.09	579.49	3508.17	567.92
3654.09	567.92	3708.17	600	3755.7	627.37	3929.96	710.03	3993.33	713.32
4088.38	717.7	4183.44	720.85	4207.2	722.04				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3708.17	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3708.17	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.30	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	451147.50	57172.84	35091.94
E.G. Slope (ft/ft)	0.000048	Area (sq ft)	451147.50	57172.84	35091.94
Q Total (cfs)	950429.30	Flow (cfs)	788764.60	124014.10	37650.59
Top Width (ft)	4207.20	Top Width (ft)	3400.00	308.17	499.03
Vel Total (ft/s)	1.75	Avg. Vel. (ft/s)	1.75	2.17	1.07
Max Chl Dpth (ft)	192.38	Hydr. Depth (ft)	132.69	185.52	70.32
Conv. Total (cfs)	137871900.0	Conv. (cfs)	114420300.0	17989830.0	5461698.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.55	319.37	563.49
Min Ch El (ft)	567.92	Shear (lb/sq ft)	0.38	0.53	0.18
Alpha	1.04	Stream Power (lb/ft s)	0.67	1.15	0.20
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	30928.45	4868.50	5897.30
C & E Loss (ft)		Cum SA (acres)	223.70	27.07	91.57

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3728.42*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.31	500	659.74	650	659.14	700	658.69
950	648.78	1000	647.03	1100	639.26	1250	628.29	1350	628.29
1475	619.14	1950	619.14	2025	618.23	2300	609.92	2600	600.63
3000	600.32	3200	595.6	3400	590.86	3454.28	579.51	3508.56	567.91
3654.28	567.91	3708.56	600	3756.31	627.55	3931.39	710.03	3995.05	713.37
4090.55	717.79	4186.05	720.93	4209.92	722.14				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3708.56	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3708.56	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.30	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	451240.00	57239.91	35216.99
E.G. Slope (ft/ft)	0.000047	Area (sq ft)	451240.00	57239.91	35216.99
Q Total (cfs)	950429.10	Flow (cfs)	788582.10	124089.70	37757.28
Top Width (ft)	4209.92	Top Width (ft)	3400.00	308.56	501.36
Vel Total (ft/s)	1.75	Avg. Vel. (ft/s)	1.75	2.17	1.07
Max Chl Dpth (ft)	192.39	Hydr. Depth (ft)	132.72	185.51	70.24
Conv. Total (cfs)	137951100.0	Conv. (cfs)	114459600.0	18011140.0	5480323.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.54	319.74	565.62
Min Ch El (ft)	567.91	Shear (lb/sq ft)	0.38	0.53	0.18
Alpha	1.04	Stream Power (lb/ft s)	0.67	1.15	0.20
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	30876.77	4861.95	5893.27
C & E Loss (ft)		Cum SA (acres)	223.31	27.04	91.51

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3723.44*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.28	500	659.72	650	659.11	700	658.63
950	648.65	1000	646.9	1100	639.14	1250	628.21	1350	628.21
1475	619.11	1950	619.11	2025	618.19	2300	609.92	2600	600.66
3000	600.34	3200	595.63	3400	590.89	3454.47	579.54	3508.95	567.91
3654.47	567.91	3708.95	600	3756.92	627.73	3932.81	710.03	3996.78	713.42
4092.72	717.89	4188.66	721.01	4212.65	722.24				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3708.95	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3708.95	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.30	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	451324.60	57304.67	35340.79
E.G. Slope (ft/ft)	0.000047	Area (sq ft)	451324.60	57304.67	35340.79
Q Total (cfs)	950429.00	Flow (cfs)	788403.40	124163.40	37862.29
Top Width (ft)	4212.65	Top Width (ft)	3400.00	308.95	503.70
Vel Total (ft/s)	1.75	Avg. Vel. (ft/s)	1.75	2.17	1.07
Max Chl Dpth (ft)	192.39	Hydr. Depth (ft)	132.74	185.48	70.16
Conv. Total (cfs)	138025700.0	Conv. (cfs)	114495600.0	18031580.0	5498537.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.53	320.10	567.77
Min Ch El (ft)	567.91	Shear (lb/sq ft)	0.38	0.53	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.67	1.15	0.20
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	30825.07	4855.39	5889.23
C & E Loss (ft)		Cum SA (acres)	222.92	27.00	91.45

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3718.46*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.25	500	659.71	650	659.07	700	658.57
950	648.52	1000	646.76	1100	639.01	1250	628.13	1350	628.13
1475	619.07	1950	619.07	2025	618.16	2300	609.92	2600	600.68
3000	600.35	3200	595.65	3400	590.93	3454.67	579.56	3509.34	567.91
3654.67	567.91	3709.34	600	3757.53	627.91	3934.24	710.03	3998.5	713.47
4094.89	717.98	4191.27	721.09	4215.37	722.33				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3709.34	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3709.34	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.30	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	451421.30	57369.77	35465.28
E.G. Slope (ft/ft)	0.000047	Area (sq ft)	451421.30	57369.77	35465.28
Q Total (cfs)	950428.90	Flow (cfs)	788229.40	124232.50	37966.97
Top Width (ft)	4215.37	Top Width (ft)	3400.00	309.34	506.03
Vel Total (ft/s)	1.75	Avg. Vel. (ft/s)	1.75	2.17	1.07
Max Chl Dpth (ft)	192.39	Hydr. Depth (ft)	132.77	185.46	70.09
Conv. Total (cfs)	138105600.0	Conv. (cfs)	114536600.0	18052060.0	5516934.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.53	320.46	569.92
Min Ch El (ft)	567.91	Shear (lb/sq ft)	0.38	0.53	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.67	1.15	0.20
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	30773.36	4848.82	5885.18
C & E Loss (ft)		Cum SA (acres)	222.53	26.97	91.39

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3713.48*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.21	500	659.7	650	659.03	700	658.51
950	648.39	1000	646.63	1100	638.89	1250	628.05	1350	628.05
1475	619.03	1950	619.03	2025	618.12	2300	609.92	2600	600.71
3000	600.37	3200	595.68	3400	590.97	3454.86	579.58	3509.73	567.9
3654.86	567.9	3709.73	600	3758.14	628.09	3935.67	710.03	4000.22	713.52
4097.05	718.08	4193.89	721.17	4218.09	722.43				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3709.73	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3709.73	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.30	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	451511.80	57436.76	35588.29
E.G. Slope (ft/ft)	0.000047	Area (sq ft)	451511.80	57436.76	35588.29
Q Total (cfs)	950428.80	Flow (cfs)	788050.20	124308.70	38069.88
Top Width (ft)	4218.09	Top Width (ft)	3400.00	309.73	508.36
Vel Total (ft/s)	1.75	Avg. Vel. (ft/s)	1.75	2.16	1.07
Max Chl Dpth (ft)	192.40	Hydr. Depth (ft)	132.80	185.44	70.01
Conv. Total (cfs)	138183400.0	Conv. (cfs)	114575100.0	18073320.0	5535001.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.52	320.83	572.07
Min Ch El (ft)	567.90	Shear (lb/sq ft)	0.38	0.53	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.67	1.14	0.20
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	30721.64	4842.24	5881.11
C & E Loss (ft)		Cum SA (acres)	222.14	26.93	91.34

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3708.50*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.18	500	659.69	650	658.99	700	658.45
950	648.26	1000	646.49	1100	638.76	1250	627.98	1350	627.98
1475	618.99	1950	618.99	2025	618.09	2300	609.92	2600	600.74
3000	600.38	3200	595.71	3400	591.01	3455.06	579.61	3510.12	567.9
3655.06	567.9	3710.12	600	3758.75	628.27	3937.09	710.03	4001.95	713.57
4099.22	718.17	4196.5	721.25	4220.82	722.53				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3710.12	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3710.12	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.30	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	451600.30	57501.25	35711.88
E.G. Slope (ft/ft)	0.000047	Area (sq ft)	451600.30	57501.25	35711.88
Q Total (cfs)	950428.60	Flow (cfs)	787876.00	124379.00	38173.66
Top Width (ft)	4220.82	Top Width (ft)	3400.00	310.12	510.70
Vel Total (ft/s)	1.74	Avg. Vel. (ft/s)	1.74	2.16	1.07
Max Chl Dpth (ft)	192.40	Hydr. Depth (ft)	132.82	185.42	69.93
Conv. Total (cfs)	138259200.0	Conv. (cfs)	114612600.0	18093460.0	5553138.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.51	321.19	574.22
Min Ch El (ft)	567.90	Shear (lb/sq ft)	0.38	0.53	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.67	1.14	0.20
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	30669.92	4835.66	5877.02
C & E Loss (ft)		Cum SA (acres)	221.75	26.89	91.28

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3703.52*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.15	500	659.68	650	658.95	700	658.39
950	648.13	1000	646.36	1100	638.64	1250	627.9	1350	627.9
1475	618.95	1950	618.95	2025	618.05	2300	609.92	2600	600.77
3000	600.4	3200	595.74	3400	591.05	3455.25	579.63	3510.51	567.89
3655.25	567.89	3710.51	600	3759.37	628.45	3938.52	710.04	4003.67	713.62
4101.39	718.27	4199.11	721.33	4223.54	722.63				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3710.51	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3710.51	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.35	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.30	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	451688.20	57568.21	35833.54
E.G. Slope (ft/ft)	0.000047	Area (sq ft)	451688.20	57568.21	35833.54
Q Total (cfs)	950428.40	Flow (cfs)	787698.00	124456.20	38274.05
Top Width (ft)	4223.54	Top Width (ft)	3400.00	310.51	513.03
Vel Total (ft/s)	1.74	Avg. Vel. (ft/s)	1.74	2.16	1.07
Max Chl Dpth (ft)	192.41	Hydr. Depth (ft)	132.85	185.40	69.85
Conv. Total (cfs)	138335500.0	Conv. (cfs)	114650000.0	18114700.0	5570817.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.50	321.56	576.37
Min Ch El (ft)	567.89	Shear (lb/sq ft)	0.38	0.53	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.67	1.14	0.20
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	30618.18	4829.07	5872.92
C & E Loss (ft)		Cum SA (acres)	221.36	26.86	91.22

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3698.54*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.12	500	659.66	650	658.91	700	658.33
950	648	1000	646.22	1100	638.51	1250	627.82	1350	627.82
1475	618.91	1950	618.91	2025	618.02	2300	609.92	2600	600.8
3000	600.41	3200	595.76	3400	591.09	3455.45	579.65	3510.9	567.89
3655.45	567.89	3710.9	600	3759.98	628.63	3939.95	710.04	4005.39	713.67
4103.56	718.36	4201.72	721.42	4226.26	722.72				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3710.9	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3710.9	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.30	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	451783.80	57633.20	35955.97
E.G. Slope (ft/ft)	0.000047	Area (sq ft)	451783.80	57633.20	35955.97
Q Total (cfs)	950428.30	Flow (cfs)	787528.20	124525.50	38374.70
Top Width (ft)	4226.26	Top Width (ft)	3400.00	310.90	515.36
Vel Total (ft/s)	1.74	Avg. Vel. (ft/s)	1.74	2.16	1.07
Max Chl Dpth (ft)	192.41	Hydr. Depth (ft)	132.88	185.38	69.77
Conv. Total (cfs)	138414400.0	Conv. (cfs)	114690600.0	18135100.0	5588648.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.50	321.93	578.53
Min Ch El (ft)	567.89	Shear (lb/sq ft)	0.38	0.53	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.67	1.14	0.20
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	30566.43	4822.47	5868.81
C & E Loss (ft)		Cum SA (acres)	220.97	26.82	91.16

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3693.56*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.09	500	659.65	650	658.87	700	658.27
950	647.87	1000	646.09	1100	638.39	1250	627.74	1350	627.74
1475	618.87	1950	618.87	2025	617.98	2300	609.92	2600	600.83
3000	600.43	3200	595.79	3400	591.13	3455.64	579.68	3511.28	567.89
3655.64	567.89	3711.28	600	3760.59	628.81	3941.37	710.04	4007.11	713.72
4105.73	718.45	4204.34	721.5	4228.99	722.82				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3711.28	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3711.28	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.29	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	451871.50	57695.90	36079.94
E.G. Slope (ft/ft)	0.000047	Area (sq ft)	451871.50	57695.90	36079.94
Q Total (cfs)	950428.20	Flow (cfs)	787357.50	124592.30	38478.50
Top Width (ft)	4228.99	Top Width (ft)	3400.00	311.28	517.71
Vel Total (ft/s)	1.74	Avg. Vel. (ft/s)	1.74	2.16	1.07
Max Chl Dpth (ft)	192.40	Hydr. Depth (ft)	132.90	185.35	69.69
Conv. Total (cfs)	138489400.0	Conv. (cfs)	114727900.0	18154660.0	5606803.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.49	322.28	580.69
Min Ch El (ft)	567.89	Shear (lb/sq ft)	0.38	0.53	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.66	1.14	0.19
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	30514.67	4815.86	5864.69
C & E Loss (ft)		Cum SA (acres)	220.58	26.79	91.10

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3688.58*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.06	500	659.64	650	658.83	700	658.21
950	647.74	1000	645.95	1100	638.26	1250	627.67	1350	627.67
1475	618.83	1950	618.83	2025	617.95	2300	609.92	2600	600.86
3000	600.44	3200	595.82	3400	591.17	3455.84	579.7	3511.67	567.88
3655.84	567.88	3711.67	600	3761.2	628.99	3942.8	710.04	4008.84	713.77
4107.89	718.55	4206.95	721.58	4231.71	722.92				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3711.67	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3711.67	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.29	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	451960.10	57762.84	36201.11
E.G. Slope (ft/ft)	0.000047	Area (sq ft)	451960.10	57762.84	36201.11
Q Total (cfs)	950428.10	Flow (cfs)	787181.80	124668.70	38577.65
Top Width (ft)	4231.71	Top Width (ft)	3400.00	311.67	520.04
Vel Total (ft/s)	1.74	Avg. Vel. (ft/s)	1.74	2.16	1.07
Max Chl Dpth (ft)	192.41	Hydr. Depth (ft)	132.93	185.33	69.61
Conv. Total (cfs)	138565700.0	Conv. (cfs)	114765600.0	18175810.0	5624350.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.48	322.65	582.84
Min Ch El (ft)	567.88	Shear (lb/sq ft)	0.38	0.53	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.66	1.13	0.19
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	30462.90	4809.25	5860.55
C & E Loss (ft)		Cum SA (acres)	220.19	26.75	91.04

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3683.60*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	679.03	500	659.63	650	658.79	700	658.15
950	647.61	1000	645.82	1100	638.14	1250	627.59	1350	627.59
1475	618.79	1950	618.79	2025	617.91	2300	609.92	2600	600.88
3000	600.46	3200	595.84	3400	591.21	3456.03	579.72	3512.06	567.88
3656.03	567.88	3712.06	600	3761.81	629.17	3944.23	710.04	4010.56	713.82
4110.06	718.64	4209.56	721.66	4234.44	723.02				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3712.06	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3712.06	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.29	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	452053.40	57827.77	36323.26
E.G. Slope (ft/ft)	0.000047	Area (sq ft)	452053.40	57827.77	36323.26
Q Total (cfs)	950427.90	Flow (cfs)	787011.80	124738.50	38677.57
Top Width (ft)	4234.44	Top Width (ft)	3400.00	312.06	522.38
Vel Total (ft/s)	1.74	Avg. Vel. (ft/s)	1.74	2.16	1.06
Max Chl Dpth (ft)	192.41	Hydr. Depth (ft)	132.96	185.31	69.53
Conv. Total (cfs)	138643500.0	Conv. (cfs)	114805200.0	18196210.0	5642084.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.47	323.02	585.00
Min Ch El (ft)	567.88	Shear (lb/sq ft)	0.38	0.53	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.66	1.13	0.19
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	30411.12	4802.63	5856.39
C & E Loss (ft)		Cum SA (acres)	219.80	26.72	90.98

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3678.62*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.99	500	659.62	650	658.75	700	658.09
950	647.47	1000	645.68	1100	638.02	1250	627.51	1350	627.51
1475	618.75	1950	618.75	2025	617.88	2300	609.92	2600	600.91
3000	600.47	3200	595.87	3400	591.25	3456.23	579.75	3512.45	567.88
3656.23	567.88	3712.45	600	3762.42	629.35	3945.66	710.04	4012.28	713.87
4112.23	718.74	4212.17	721.74	4237.16	723.11				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3712.45	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3712.45	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.29	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	452147.40	57892.13	36443.87
E.G. Slope (ft/ft)	0.000047	Area (sq ft)	452147.40	57892.13	36443.87
Q Total (cfs)	950427.80	Flow (cfs)	786846.80	124806.40	38774.69
Top Width (ft)	4237.16	Top Width (ft)	3400.00	312.45	524.71
Vel Total (ft/s)	1.74	Avg. Vel. (ft/s)	1.74	2.16	1.06
Max Chl Dpth (ft)	192.41	Hydr. Depth (ft)	132.98	185.28	69.46
Conv. Total (cfs)	138720800.0	Conv. (cfs)	114845200.0	18216260.0	5659407.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.47	323.38	587.17
Min Ch El (ft)	567.88	Shear (lb/sq ft)	0.38	0.52	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.66	1.13	0.19
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	30359.33	4796.00	5852.23
C & E Loss (ft)		Cum SA (acres)	219.42	26.68	90.92

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3673.64*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.96	500	659.6	650	658.72	700	658.03
950	647.34	1000	645.55	1100	637.89	1250	627.43	1350	627.43
1475	618.72	1950	618.72	2025	617.84	2300	609.92	2600	600.94
3000	600.49	3200	595.9	3400	591.28	3456.42	579.77	3512.84	567.87
3656.42	567.87	3712.84	600	3763.04	629.53	3947.08	710.04	4014.01	713.92
4114.4	718.83	4214.79	721.82	4239.88	723.21				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3712.84	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3712.84	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.29	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	452232.80	57959.28	36565.07
E.G. Slope (ft/ft)	0.000047	Area (sq ft)	452232.80	57959.28	36565.07
Q Total (cfs)	950427.70	Flow (cfs)	786668.90	124885.00	38873.75
Top Width (ft)	4239.88	Top Width (ft)	3400.00	312.84	527.04
Vel Total (ft/s)	1.74	Avg. Vel. (ft/s)	1.74	2.15	1.06
Max Chl Dpth (ft)	192.42	Hydr. Depth (ft)	133.01	185.27	69.38
Conv. Total (cfs)	138796000.0	Conv. (cfs)	114881500.0	18237630.0	5676942.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.46	323.75	589.32
Min Ch El (ft)	567.87	Shear (lb/sq ft)	0.38	0.52	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.66	1.13	0.19
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	30307.53	4789.37	5848.04
C & E Loss (ft)		Cum SA (acres)	219.03	26.64	90.86

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3668.66*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.93	500	659.59	650	658.68	700	657.97
950	647.21	1000	645.41	1100	637.77	1250	627.35	1350	627.35
1475	618.68	1950	618.68	2025	617.81	2300	609.92	2600	600.97
3000	600.5	3200	595.93	3400	591.32	3456.61	579.79	3513.23	567.87
3656.61	567.87	3713.23	600	3763.65	629.71	3948.51	710.04	4015.73	713.97
4116.56	718.93	4217.4	721.9	4242.61	723.31				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3713.23	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3713.23	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.29	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	452323.30	58024.18	36685.20
E.G. Slope (ft/ft)	0.000047	Area (sq ft)	452323.30	58024.18	36685.20
Q Total (cfs)	950427.60	Flow (cfs)	786501.50	124956.10	38970.08
Top Width (ft)	4242.61	Top Width (ft)	3400.00	313.23	529.38
Vel Total (ft/s)	1.74	Avg. Vel. (ft/s)	1.74	2.15	1.06
Max Chl Dpth (ft)	192.42	Hydr. Depth (ft)	133.04	185.24	69.30
Conv. Total (cfs)	138872000.0	Conv. (cfs)	114919900.0	18258000.0	5694125.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.45	324.11	591.48
Min Ch El (ft)	567.87	Shear (lb/sq ft)	0.38	0.52	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.66	1.13	0.19
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	30255.72	4782.72	5843.85
C & E Loss (ft)		Cum SA (acres)	218.64	26.61	90.80

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3663.68*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.9	500	659.58	650	658.64	700	657.91
950	647.08	1000	645.28	1100	637.64	1250	627.28	1350	627.28
1475	618.64	1950	618.64	2025	617.77	2300	609.92	2600	601
3000	600.51	3200	595.95	3400	591.36	3456.81	579.82	3513.62	567.86
3656.81	567.86	3713.62	600	3764.26	629.89	3949.94	710.05	4017.45	714.02
4118.73	719.02	4220.01	721.98	4245.33	723.4				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3713.62	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3713.62	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.29	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	452414.60	58090.49	36804.35
E.G. Slope (ft/ft)	0.000047	Area (sq ft)	452414.60	58090.49	36804.35
Q Total (cfs)	950427.40	Flow (cfs)	786333.70	125029.40	39064.25
Top Width (ft)	4245.33	Top Width (ft)	3400.00	313.62	531.71
Vel Total (ft/s)	1.74	Avg. Vel. (ft/s)	1.74	2.15	1.06
Max Chl Dpth (ft)	192.43	Hydr. Depth (ft)	133.06	185.23	69.22
Conv. Total (cfs)	138948600.0	Conv. (cfs)	114958800.0	18278790.0	5711033.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.45	324.49	593.65
Min Ch El (ft)	567.86	Shear (lb/sq ft)	0.38	0.52	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.66	1.13	0.19
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	30203.90	4776.07	5839.64
C & E Loss (ft)		Cum SA (acres)	218.25	26.57	90.74

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3658.7*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.87	500	659.57	650	658.6	700	657.85
950	646.95	1000	645.14	1100	637.52	1250	627.2	1350	627.2
1475	618.6	1950	618.6	2025	617.74	2300	609.93	2600	601.03
3000	600.53	3200	595.98	3400	591.4	3457	579.84	3514.01	567.86
3657	567.86	3714.01	600	3764.87	630.08	3951.36	710.05	4019.18	714.07
4120.9	719.12	4222.62	722.06	4248.05	723.5				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3714.01	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3714.01	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.29	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	452498.70	58155.30	36921.80
E.G. Slope (ft/ft)	0.000047	Area (sq ft)	452498.70	58155.30	36921.80
Q Total (cfs)	950427.30	Flow (cfs)	786167.40	125103.00	39156.84
Top Width (ft)	4248.05	Top Width (ft)	3400.00	314.01	534.04
Vel Total (ft/s)	1.74	Avg. Vel. (ft/s)	1.74	2.15	1.06
Max Chl Dpth (ft)	192.43	Hydr. Depth (ft)	133.09	185.20	69.14
Conv. Total (cfs)	139021200.0	Conv. (cfs)	114994500.0	18299110.0	5727562.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.44	324.85	595.81
Min Ch El (ft)	567.86	Shear (lb/sq ft)	0.38	0.52	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.66	1.12	0.19
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	30152.07	4769.41	5835.42
C & E Loss (ft)		Cum SA (acres)	217.86	26.54	90.68

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3653.72*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.84	500	659.56	650	658.56	700	657.79
950	646.82	1000	645.01	1100	637.39	1250	627.12	1350	627.12
1475	618.56	1950	618.56	2025	617.7	2300	609.93	2600	601.06
3000	600.54	3200	596.01	3400	591.44	3457.2	579.86	3514.4	567.86
3657.2	567.86	3714.4	600	3765.48	630.26	3952.79	710.05	4020.9	714.12
4123.07	719.21	4225.24	722.15	4250.78	723.6				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3714.4	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3714.4	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.29	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	452590.90	58220.15	37041.18
E.G. Slope (ft/ft)	0.000047	Area (sq ft)	452590.90	58220.15	37041.18
Q Total (cfs)	950427.20	Flow (cfs)	786003.10	125172.80	39251.29
Top Width (ft)	4250.78	Top Width (ft)	3400.00	314.40	536.38
Vel Total (ft/s)	1.73	Avg. Vel. (ft/s)	1.74	2.15	1.06
Max Chl Dpth (ft)	192.43	Hydr. Depth (ft)	133.12	185.18	69.06
Conv. Total (cfs)	139097600.0	Conv. (cfs)	115033700.0	18319390.0	5744535.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.43	325.22	597.98
Min Ch El (ft)	567.86	Shear (lb/sq ft)	0.38	0.52	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.66	1.12	0.19
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	30100.23	4762.75	5831.18
C & E Loss (ft)		Cum SA (acres)	217.47	26.50	90.62

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3648.73*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.81	500	659.55	650	658.52	700	657.73
950	646.69	1000	644.87	1100	637.27	1250	627.04	1350	627.04
1475	618.52	1950	618.52	2025	617.67	2300	609.93	2600	601.08
3000	600.56	3200	596.04	3400	591.48	3457.39	579.89	3514.79	567.85
3657.39	567.85	3714.79	600	3766.09	630.44	3954.22	710.05	4022.62	714.17
4125.24	719.31	4227.85	722.23	4253.5	723.7				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3714.79	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3714.79	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.29	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	452681.20	58286.39	37159.40
E.G. Slope (ft/ft)	0.000047	Area (sq ft)	452681.20	58286.39	37159.40
Q Total (cfs)	950427.10	Flow (cfs)	785836.60	125246.40	39344.09
Top Width (ft)	4253.50	Top Width (ft)	3400.00	314.79	538.71
Vel Total (ft/s)	1.73	Avg. Vel. (ft/s)	1.74	2.15	1.06
Max Chl Dpth (ft)	192.44	Hydr. Depth (ft)	133.14	185.16	68.98
Conv. Total (cfs)	139173600.0	Conv. (cfs)	115072100.0	18340170.0	5761260.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.43	325.59	600.14
Min Ch El (ft)	567.85	Shear (lb/sq ft)	0.38	0.52	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.66	1.12	0.19
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	30048.38	4756.08	5826.93
C & E Loss (ft)		Cum SA (acres)	217.08	26.47	90.56

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3643.75*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.77	500	659.53	650	658.48	700	657.67
950	646.56	1000	644.74	1100	637.14	1250	626.96	1350	626.96
1475	618.48	1950	618.48	2025	617.63	2300	609.93	2600	601.11
3000	600.57	3200	596.06	3400	591.52	3457.59	579.91	3515.18	567.85
3657.59	567.85	3715.18	600	3766.7	630.62	3955.64	710.05	4024.35	714.22
4127.4	719.4	4230.46	722.31	4256.23	723.79				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3715.18	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3715.18	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.29	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	452780.00	58351.18	37278.35
E.G. Slope (ft/ft)	0.000047	Area (sq ft)	452780.00	58351.18	37278.35
Q Total (cfs)	950426.90	Flow (cfs)	785677.10	125313.50	39436.28
Top Width (ft)	4256.23	Top Width (ft)	3400.00	315.18	541.05
Vel Total (ft/s)	1.73	Avg. Vel. (ft/s)	1.74	2.15	1.06
Max Chl Dpth (ft)	192.44	Hydr. Depth (ft)	133.17	185.14	68.90
Conv. Total (cfs)	139252600.0	Conv. (cfs)	115114200.0	18360410.0	5778041.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.42	325.95	602.32
Min Ch El (ft)	567.85	Shear (lb/sq ft)	0.38	0.52	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.66	1.12	0.19
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	29996.51	4749.39	5822.67
C & E Loss (ft)		Cum SA (acres)	216.69	26.43	90.49

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3638.77*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.74	500	659.52	650	658.44	700	657.61
950	646.43	1000	644.6	1100	637.02	1250	626.89	1350	626.89
1475	618.44	1950	618.44	2025	617.6	2300	609.93	2600	601.14
3000	600.59	3200	596.09	3400	591.56	3457.78	579.93	3515.56	567.84
3657.78	567.84	3715.56	600	3767.32	630.8	3957.07	710.05	4026.07	714.26
4129.57	719.49	4233.07	722.39	4258.95	723.89				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3715.56	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3715.56	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.29	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	452864.40	58416.24	37399.72
E.G. Slope (ft/ft)	0.000047	Area (sq ft)	452864.40	58416.24	37399.72
Q Total (cfs)	950426.80	Flow (cfs)	785505.60	125386.70	39534.61
Top Width (ft)	4258.95	Top Width (ft)	3400.00	315.56	543.39
Vel Total (ft/s)	1.73	Avg. Vel. (ft/s)	1.73	2.15	1.06
Max Chl Dpth (ft)	192.45	Hydr. Depth (ft)	133.20	185.12	68.83
Conv. Total (cfs)	139326500.0	Conv. (cfs)	115150100.0	18380890.0	5795519.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.41	326.32	604.49
Min Ch El (ft)	567.84	Shear (lb/sq ft)	0.38	0.52	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.66	1.12	0.19
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	29944.64	4742.71	5818.39
C & E Loss (ft)		Cum SA (acres)	216.30	26.39	90.43

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3633.79*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.71	500	659.51	650	658.4	700	657.55
950	646.3	1000	644.47	1100	636.89	1250	626.81	1350	626.81
1475	618.4	1950	618.4	2025	617.56	2300	609.93	2600	601.17
3000	600.6	3200	596.12	3400	591.6	3457.98	579.96	3515.95	567.84
3657.98	567.84	3715.95	600	3767.93	630.98	3958.5	710.05	4027.79	714.31
4131.74	719.59	4235.69	722.47	4261.67	723.99				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3715.95	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3715.95	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.29	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	452956.70	58480.44	37516.88
E.G. Slope (ft/ft)	0.000046	Area (sq ft)	452956.70	58480.44	37516.88
Q Total (cfs)	950426.70	Flow (cfs)	785346.90	125454.50	39625.21
Top Width (ft)	4261.67	Top Width (ft)	3400.00	315.95	545.72
Vel Total (ft/s)	1.73	Avg. Vel. (ft/s)	1.73	2.15	1.06
Max Chl Dpth (ft)	192.45	Hydr. Depth (ft)	133.22	185.09	68.75
Conv. Total (cfs)	139402000.0	Conv. (cfs)	115189300.0	18400810.0	5811953.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.41	326.68	606.65
Min Ch El (ft)	567.84	Shear (lb/sq ft)	0.38	0.52	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.65	1.11	0.19
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	29892.76	4736.01	5814.10
C & E Loss (ft)		Cum SA (acres)	215.91	26.36	90.37

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3628.81*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.68	500	659.5	650	658.37	700	657.49
950	646.16	1000	644.33	1100	636.77	1250	626.73	1350	626.73
1475	618.37	1950	618.37	2025	617.53	2300	609.93	2600	601.2
3000	600.62	3200	596.14	3400	591.63	3458.17	579.98	3516.34	567.84
3658.17	567.84	3716.34	600	3768.54	631.16	3959.92	710.05	4029.52	714.36
4133.91	719.68	4238.3	722.55	4264.4	724.09				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3716.34	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3716.34	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.29	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	453041.40	58545.49	37634.69
E.G. Slope (ft/ft)	0.000046	Area (sq ft)	453041.40	58545.49	37634.69
Q Total (cfs)	950426.60	Flow (cfs)	785181.30	125528.30	39717.07
Top Width (ft)	4264.40	Top Width (ft)	3400.00	316.34	548.06
Vel Total (ft/s)	1.73	Avg. Vel. (ft/s)	1.73	2.14	1.06
Max Chl Dpth (ft)	192.45	Hydr. Depth (ft)	133.25	185.07	68.67
Conv. Total (cfs)	139475100.0	Conv. (cfs)	115225400.0	18421280.0	5828481.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.40	327.05	608.83
Min Ch El (ft)	567.84	Shear (lb/sq ft)	0.38	0.52	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.65	1.11	0.19
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	29840.86	4729.31	5809.79
C & E Loss (ft)		Cum SA (acres)	215.52	26.32	90.31

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3623.83*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.65	500	659.49	650	658.33	700	657.43
950	646.03	1000	644.2	1100	636.65	1250	626.65	1350	626.65
1475	618.33	1950	618.33	2025	617.49	2300	609.93	2600	601.23
3000	600.63	3200	596.17	3400	591.67	3458.37	580	3516.73	567.83
3658.37	567.83	3716.73	600	3769.15	631.34	3961.35	710.06	4031.24	714.41
4136.08	719.78	4240.91	722.63	4267.12	724.18				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3716.73	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3716.73	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.29	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	453132.30	58612.24	37749.92
E.G. Slope (ft/ft)	0.000046	Area (sq ft)	453132.30	58612.24	37749.92
Q Total (cfs)	950426.40	Flow (cfs)	785019.60	125603.30	39803.46
Top Width (ft)	4267.12	Top Width (ft)	3400.00	316.73	550.39
Vel Total (ft/s)	1.73	Avg. Vel. (ft/s)	1.73	2.14	1.05
Max Chl Dpth (ft)	192.46	Hydr. Depth (ft)	133.27	185.05	68.59
Conv. Total (cfs)	139550600.0	Conv. (cfs)	115264000.0	18442270.0	5844322.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.39	327.42	611.01
Min Ch El (ft)	567.83	Shear (lb/sq ft)	0.38	0.52	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.65	1.11	0.19
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	29788.96	4722.60	5805.47
C & E Loss (ft)		Cum SA (acres)	215.13	26.28	90.24

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3618.85*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.62	500	659.47	650	658.29	700	657.37
950	645.9	1000	644.06	1100	636.52	1250	626.58	1350	626.58
1475	618.29	1950	618.29	2025	617.46	2300	609.93	2600	601.26
3000	600.65	3200	596.2	3400	591.71	3458.56	580.03	3517.12	567.83
3658.56	567.83	3717.12	600	3769.76	631.52	3962.78	710.06	4032.96	714.46
4138.24	719.87	4243.52	722.71	4269.84	724.28				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3717.12	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3717.12	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.29	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	453220.50	58676.38	37866.93
E.G. Slope (ft/ft)	0.000046	Area (sq ft)	453220.50	58676.38	37866.93
Q Total (cfs)	950426.30	Flow (cfs)	784860.00	125672.50	39893.92
Top Width (ft)	4269.84	Top Width (ft)	3400.00	317.12	552.72
Vel Total (ft/s)	1.73	Avg. Vel. (ft/s)	1.73	2.14	1.05
Max Chl Dpth (ft)	192.46	Hydr. Depth (ft)	133.30	185.03	68.51
Conv. Total (cfs)	139624400.0	Conv. (cfs)	115301600.0	18462180.0	5860703.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.39	327.79	613.17
Min Ch El (ft)	567.83	Shear (lb/sq ft)	0.38	0.52	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.65	1.11	0.19
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	29737.05	4715.88	5801.14
C & E Loss (ft)		Cum SA (acres)	214.74	26.25	90.18

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3613.87*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.59	500	659.46	650	658.25	700	657.32
950	645.77	1000	643.93	1100	636.4	1250	626.5	1350	626.5
1475	618.25	1950	618.25	2025	617.42	2300	609.93	2600	601.28
3000	600.66	3200	596.23	3400	591.75	3458.75	580.05	3517.51	567.82
3658.75	567.82	3717.51	600	3770.37	631.7	3964.2	710.06	4034.69	714.51
4140.41	719.97	4246.14	722.79	4272.57	724.38				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3717.51	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3717.51	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.29	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	453313.10	58743.02	37982.58
E.G. Slope (ft/ft)	0.000046	Area (sq ft)	453313.10	58743.02	37982.58
Q Total (cfs)	950426.20	Flow (cfs)	784699.10	125746.40	39980.64
Top Width (ft)	4272.57	Top Width (ft)	3400.00	317.51	555.06
Vel Total (ft/s)	1.73	Avg. Vel. (ft/s)	1.73	2.14	1.05
Max Chl Dpth (ft)	192.47	Hydr. Depth (ft)	133.33	185.01	68.43
Conv. Total (cfs)	139700800.0	Conv. (cfs)	115340900.0	18483150.0	5876653.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.38	328.16	615.35
Min Ch El (ft)	567.82	Shear (lb/sq ft)	0.38	0.52	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.65	1.11	0.19
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	29685.12	4709.15	5796.80
C & E Loss (ft)		Cum SA (acres)	214.35	26.21	90.12

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3608.89*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.55	500	659.45	650	658.21	700	657.26
950	645.64	1000	643.8	1100	636.27	1250	626.42	1350	626.42
1475	618.21	1950	618.21	2025	617.39	2300	609.93	2600	601.31
3000	600.68	3200	596.25	3400	591.79	3458.95	580.07	3517.9	567.82
3658.95	567.82	3717.9	600	3770.98	631.88	3965.63	710.06	4036.41	714.56
4142.58	720.06	4248.75	722.88	4275.29	724.47				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3717.9	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3717.9	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.29	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	453405.00	58807.71	38098.41
E.G. Slope (ft/ft)	0.000046	Area (sq ft)	453405.00	58807.71	38098.41
Q Total (cfs)	950426.10	Flow (cfs)	784542.40	125815.70	40067.91
Top Width (ft)	4275.29	Top Width (ft)	3400.00	317.90	557.39
Vel Total (ft/s)	1.73	Avg. Vel. (ft/s)	1.73	2.14	1.05
Max Chl Dpth (ft)	192.47	Hydr. Depth (ft)	133.35	184.99	68.35
Conv. Total (cfs)	139776000.0	Conv. (cfs)	115380100.0	18503300.0	5892656.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.38	328.52	617.53
Min Ch El (ft)	567.82	Shear (lb/sq ft)	0.38	0.52	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.65	1.11	0.19
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	29633.19	4702.42	5792.44
C & E Loss (ft)		Cum SA (acres)	213.96	26.18	90.05

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3603.91*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.52	500	659.44	650	658.17	700	657.2
950	645.51	1000	643.66	1100	636.15	1250	626.34	1350	626.34
1475	618.17	1950	618.17	2025	617.35	2300	609.93	2600	601.34
3000	600.69	3200	596.28	3400	591.83	3459.14	580.1	3518.29	567.82
3659.14	567.82	3718.29	600	3771.6	632.06	3967.06	710.06	4038.13	714.61
4144.75	720.16	4251.36	722.96	4278.02	724.57				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3718.29	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3718.29	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.29	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	453496.60	58871.78	38214.21
E.G. Slope (ft/ft)	0.000046	Area (sq ft)	453496.60	58871.78	38214.21
Q Total (cfs)	950425.90	Flow (cfs)	784387.40	125883.30	40155.13
Top Width (ft)	4278.02	Top Width (ft)	3400.00	318.29	559.73
Vel Total (ft/s)	1.73	Avg. Vel. (ft/s)	1.73	2.14	1.05
Max Chl Dpth (ft)	192.47	Hydr. Depth (ft)	133.38	184.96	68.27
Conv. Total (cfs)	139850800.0	Conv. (cfs)	115419000.0	18523160.0	5908645.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.37	328.89	619.71
Min Ch El (ft)	567.82	Shear (lb/sq ft)	0.38	0.52	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.65	1.10	0.19
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	29581.24	4695.68	5788.07
C & E Loss (ft)		Cum SA (acres)	213.57	26.14	89.99

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3598.93*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.49	500	659.43	650	658.13	700	657.14
950	645.38	1000	643.53	1100	636.02	1250	626.26	1350	626.26
1475	618.13	1950	618.13	2025	617.32	2300	609.93	2600	601.37
3000	600.71	3200	596.31	3400	591.87	3459.34	580.12	3518.68	567.81
3659.34	567.81	3718.68	600	3772.21	632.24	3968.48	710.06	4039.86	714.66
4146.92	720.25	4253.97	723.04	4280.74	724.67				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3718.68	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3718.68	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.28	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	453584.00	58938.44	38329.49
E.G. Slope (ft/ft)	0.000046	Area (sq ft)	453584.00	58938.44	38329.49
Q Total (cfs)	950425.80	Flow (cfs)	784225.10	125958.80	40241.90
Top Width (ft)	4280.74	Top Width (ft)	3400.00	318.68	562.06
Vel Total (ft/s)	1.73	Avg. Vel. (ft/s)	1.73	2.14	1.05
Max Chl Dpth (ft)	192.47	Hydr. Depth (ft)	133.41	184.95	68.19
Conv. Total (cfs)	139924900.0	Conv. (cfs)	115456300.0	18544080.0	5924548.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.36	329.26	621.88
Min Ch El (ft)	567.81	Shear (lb/sq ft)	0.38	0.52	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.65	1.10	0.19
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	29529.29	4688.93	5783.69
C & E Loss (ft)		Cum SA (acres)	213.18	26.10	89.93

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3593.95*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.46	500	659.41	650	658.09	700	657.08
950	645.25	1000	643.39	1100	635.9	1250	626.19	1350	626.19
1475	618.09	1950	618.09	2025	617.28	2300	609.93	2600	601.4
3000	600.72	3200	596.33	3400	591.91	3459.53	580.14	3519.07	567.81
3659.53	567.81	3719.07	600	3772.82	632.42	3969.91	710.06	4041.58	714.71
4149.08	720.34	4256.59	723.12	4283.46	724.77				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3719.07	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3719.07	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.28	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	453677.80	59003.09	38444.70
E.G. Slope (ft/ft)	0.000046	Area (sq ft)	453677.80	59003.09	38444.70
Q Total (cfs)	950425.70	Flow (cfs)	784070.40	126027.30	40327.92
Top Width (ft)	4283.46	Top Width (ft)	3400.00	319.07	564.39
Vel Total (ft/s)	1.72	Avg. Vel. (ft/s)	1.73	2.14	1.05
Max Chl Dpth (ft)	192.47	Hydr. Depth (ft)	133.43	184.92	68.12
Conv. Total (cfs)	140000800.0	Conv. (cfs)	115496200.0	18564230.0	5940436.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.36	329.63	624.05
Min Ch El (ft)	567.81	Shear (lb/sq ft)	0.37	0.52	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.65	1.10	0.19
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	29477.32	4682.18	5779.29
C & E Loss (ft)		Cum SA (acres)	212.79	26.07	89.86

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3588.97*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.43	500	659.4	650	658.05	700	657.02
950	645.12	1000	643.26	1100	635.77	1250	626.11	1350	626.11
1475	618.05	1950	618.05	2025	617.25	2300	609.93	2600	601.43
3000	600.73	3200	596.36	3400	591.95	3459.73	580.17	3519.46	567.81
3659.73	567.81	3719.46	600	3773.43	632.6	3971.34	710.06	4043.3	714.76
4151.25	720.44	4259.2	723.2	4286.19	724.86				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3719.46	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3719.46	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.28	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	453768.30	59067.12	38559.04
E.G. Slope (ft/ft)	0.000046	Area (sq ft)	453768.30	59067.12	38559.04
Q Total (cfs)	950425.60	Flow (cfs)	783918.50	126095.10	40412.04
Top Width (ft)	4286.19	Top Width (ft)	3400.00	319.46	566.73
Vel Total (ft/s)	1.72	Avg. Vel. (ft/s)	1.73	2.13	1.05
Max Chl Dpth (ft)	192.47	Hydr. Depth (ft)	133.46	184.90	68.04
Conv. Total (cfs)	140074700.0	Conv. (cfs)	115534700.0	18584010.0	5955967.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.35	330.00	626.24
Min Ch El (ft)	567.81	Shear (lb/sq ft)	0.37	0.51	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.65	1.10	0.19
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	29425.35	4675.42	5774.88
C & E Loss (ft)		Cum SA (acres)	212.40	26.03	89.80

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3583.99*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.4	500	659.39	650	658.02	700	656.96
950	644.99	1000	643.12	1100	635.65	1250	626.03	1350	626.03
1475	618.02	1950	618.02	2025	617.21	2300	609.93	2600	601.46
3000	600.75	3200	596.39	3400	591.98	3459.92	580.19	3519.84	567.8
3659.92	567.8	3719.84	600	3774.04	632.78	3972.76	710.07	4045.03	714.81
4153.42	720.53	4261.81	723.28	4288.91	724.96				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3719.84	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3719.84	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.28	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	453851.10	59132.33	38673.28
E.G. Slope (ft/ft)	0.000046	Area (sq ft)	453851.10	59132.33	38673.28
Q Total (cfs)	950425.40	Flow (cfs)	783758.10	126170.30	40496.88
Top Width (ft)	4288.91	Top Width (ft)	3400.00	319.84	569.07
Vel Total (ft/s)	1.72	Avg. Vel. (ft/s)	1.73	2.13	1.05
Max Chl Dpth (ft)	192.48	Hydr. Depth (ft)	133.49	184.88	67.96
Conv. Total (cfs)	140146100.0	Conv. (cfs)	115570000.0	18604590.0	5971515.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.35	330.36	628.43
Min Ch El (ft)	567.80	Shear (lb/sq ft)	0.37	0.51	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.65	1.10	0.19
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	29373.36	4668.65	5770.45
C & E Loss (ft)		Cum SA (acres)	212.02	25.99	89.73

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3579.01*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.37	500	659.38	650	657.98	700	656.9
950	644.85	1000	642.99	1100	635.53	1250	625.95	1350	625.95
1475	617.98	1950	617.98	2025	617.18	2300	609.93	2600	601.48
3000	600.76	3200	596.42	3400	592.02	3460.12	580.21	3520.23	567.8
3660.12	567.8	3720.23	600	3774.65	632.97	3974.19	710.07	4046.75	714.86
4155.59	720.63	4264.42	723.36	4291.63	725.06				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3720.23	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3720.23	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.28	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	453945.00	59196.88	38785.03
E.G. Slope (ft/ft)	0.000046	Area (sq ft)	453945.00	59196.88	38785.03
Q Total (cfs)	950425.30	Flow (cfs)	783609.80	126238.80	40576.69
Top Width (ft)	4291.63	Top Width (ft)	3400.00	320.23	571.40
Vel Total (ft/s)	1.72	Avg. Vel. (ft/s)	1.73	2.13	1.05
Max Chl Dpth (ft)	192.48	Hydr. Depth (ft)	133.51	184.86	67.88
Conv. Total (cfs)	140221100.0	Conv. (cfs)	115609900.0	18624650.0	5986485.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.34	330.73	630.61
Min Ch El (ft)	567.80	Shear (lb/sq ft)	0.37	0.51	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.65	1.09	0.18
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	29321.37	4661.87	5766.02
C & E Loss (ft)		Cum SA (acres)	211.63	25.96	89.67

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3574.03*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.33	500	659.37	650	657.94	700	656.84
950	644.72	1000	642.85	1100	635.4	1250	625.88	1350	625.88
1475	617.94	1950	617.94	2025	617.14	2300	609.93	2600	601.51
3000	600.78	3200	596.44	3400	592.06	3460.31	580.24	3520.62	567.79
3660.31	567.79	3720.62	600	3775.26	633.15	3975.62	710.07	4048.47	714.91
4157.75	720.72	4267.04	723.44	4294.36	725.16				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3720.62	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3720.62	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.28	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	454037.00	59262.87	38899.16
E.G. Slope (ft/ft)	0.000046	Area (sq ft)	454037.00	59262.87	38899.16
Q Total (cfs)	950425.20	Flow (cfs)	783454.80	126310.40	40660.07
Top Width (ft)	4294.36	Top Width (ft)	3400.00	320.62	573.74
Vel Total (ft/s)	1.72	Avg. Vel. (ft/s)	1.73	2.13	1.05
Max Chl Dpth (ft)	192.49	Hydr. Depth (ft)	133.54	184.84	67.80
Conv. Total (cfs)	140296400.0	Conv. (cfs)	115649200.0	18645220.0	6002010.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.33	331.10	632.79
Min Ch El (ft)	567.79	Shear (lb/sq ft)	0.37	0.51	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.64	1.09	0.18
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	29269.36	4655.08	5761.57
C & E Loss (ft)		Cum SA (acres)	211.24	25.92	89.60

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3569.05*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.3	500	659.35	650	657.9	700	656.78
950	644.59	1000	642.72	1100	635.28	1250	625.8	1350	625.8
1475	617.9	1950	617.9	2025	617.11	2300	609.93	2600	601.54
3000	600.79	3200	596.47	3400	592.1	3460.51	580.26	3521.01	567.79
3660.51	567.79	3721.01	600	3775.88	633.33	3977.04	710.07	4050.19	714.96
4159.92	720.82	4269.65	723.53	4297.08	725.25				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3721.01	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3721.01	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.28	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	454128.50	59327.41	39011.05
E.G. Slope (ft/ft)	0.000046	Area (sq ft)	454128.50	59327.41	39011.05
Q Total (cfs)	950425.10	Flow (cfs)	783305.80	126379.50	40739.88
Top Width (ft)	4297.08	Top Width (ft)	3400.00	321.01	576.07
Vel Total (ft/s)	1.72	Avg. Vel. (ft/s)	1.72	2.13	1.04
Max Chl Dpth (ft)	192.49	Hydr. Depth (ft)	133.57	184.81	67.72
Conv. Total (cfs)	140370300.0	Conv. (cfs)	115688100.0	18665260.0	6016959.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.33	331.47	634.98
Min Ch El (ft)	567.79	Shear (lb/sq ft)	0.37	0.51	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.64	1.09	0.18
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	29217.34	4648.29	5757.11
C & E Loss (ft)		Cum SA (acres)	210.85	25.88	89.53

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3564.07*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.27	500	659.34	650	657.86	700	656.72
950	644.46	1000	642.58	1100	635.15	1250	625.72	1350	625.72
1475	617.86	1950	617.86	2025	617.07	2300	609.93	2600	601.57
3000	600.81	3200	596.5	3400	592.14	3460.7	580.28	3521.4	567.79
3660.7	567.79	3721.4	600	3776.49	633.51	3978.47	710.07	4051.92	715.01
4162.09	720.91	4272.26	723.61	4299.81	725.35				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3721.4	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3721.4	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.28	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	454218.40	59391.91	39124.55
E.G. Slope (ft/ft)	0.000046	Area (sq ft)	454218.40	59391.91	39124.55
Q Total (cfs)	950424.90	Flow (cfs)	783153.60	126448.90	40822.38
Top Width (ft)	4299.81	Top Width (ft)	3400.00	321.40	578.41
Vel Total (ft/s)	1.72	Avg. Vel. (ft/s)	1.72	2.13	1.04
Max Chl Dpth (ft)	192.49	Hydr. Depth (ft)	133.59	184.79	67.64
Conv. Total (cfs)	140444000.0	Conv. (cfs)	115726400.0	18685310.0	6032312.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.32	331.84	637.17
Min Ch El (ft)	567.79	Shear (lb/sq ft)	0.37	0.51	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.64	1.09	0.18
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	29165.31	4641.49	5752.63
C & E Loss (ft)		Cum SA (acres)	210.46	25.85	89.47

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3559.08*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.24	500	659.33	650	657.82	700	656.66
950	644.33	1000	642.45	1100	635.03	1250	625.64	1350	625.64
1475	617.82	1950	617.82	2025	617.04	2300	609.93	2600	601.6
3000	600.82	3200	596.53	3400	592.18	3460.9	580.31	3521.79	567.78
3660.9	567.78	3721.79	600	3777.1	633.69	3979.9	710.07	4053.64	715.06
4164.26	721.01	4274.88	723.69	4302.53	725.45				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3721.79	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3721.79	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.28	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	454307.60	59457.87	39236.14
E.G. Slope (ft/ft)	0.000046	Area (sq ft)	454307.60	59457.87	39236.14
Q Total (cfs)	950424.80	Flow (cfs)	783001.30	126521.50	40901.98
Top Width (ft)	4302.53	Top Width (ft)	3400.00	321.79	580.74
Vel Total (ft/s)	1.72	Avg. Vel. (ft/s)	1.72	2.13	1.04
Max Chl Dpth (ft)	192.50	Hydr. Depth (ft)	133.62	184.77	67.56
Conv. Total (cfs)	140517400.0	Conv. (cfs)	115764400.0	18705820.0	6047235.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.32	332.21	639.35
Min Ch El (ft)	567.78	Shear (lb/sq ft)	0.37	0.51	0.18
Alpha	1.05	Stream Power (lb/ft s)	0.64	1.09	0.18
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	29113.28	4634.68	5748.14
C & E Loss (ft)		Cum SA (acres)	210.07	25.81	89.40

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3554.10*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.21	500	659.32	650	657.78	700	656.6
950	644.2	1000	642.31	1100	634.9	1250	625.56	1350	625.56
1475	617.78	1950	617.78	2025	617	2300	609.93	2600	601.63
3000	600.84	3200	596.55	3400	592.22	3461.09	580.33	3522.18	567.78
3661.09	567.78	3722.18	600	3777.71	633.87	3981.32	710.07	4055.36	715.11
4166.43	721.1	4277.49	723.77	4305.25	725.54				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3722.18	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3722.18	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.28	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	454399.60	59522.34	39348.25
E.G. Slope (ft/ft)	0.000046	Area (sq ft)	454399.60	59522.34	39348.25
Q Total (cfs)	950424.70	Flow (cfs)	782852.90	126590.10	40981.68
Top Width (ft)	4305.25	Top Width (ft)	3400.00	322.18	583.07
Vel Total (ft/s)	1.72	Avg. Vel. (ft/s)	1.72	2.13	1.04
Max Chl Dpth (ft)	192.50	Hydr. Depth (ft)	133.65	184.75	67.48
Conv. Total (cfs)	140591600.0	Conv. (cfs)	115803600.0	18725850.0	6062218.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.31	332.58	641.54
Min Ch El (ft)	567.78	Shear (lb/sq ft)	0.37	0.51	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.64	1.09	0.18
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	29061.23	4627.87	5743.64
C & E Loss (ft)		Cum SA (acres)	209.68	25.77	89.34

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3549.12*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.18	500	659.31	650	657.74	700	656.54
950	644.07	1000	642.18	1100	634.78	1250	625.49	1350	625.49
1475	617.74	1950	617.74	2025	616.97	2300	609.93	2600	601.65
3000	600.85	3200	596.58	3400	592.26	3461.28	580.35	3522.57	567.77
3661.28	567.77	3722.57	600	3778.32	634.05	3982.75	710.08	4057.09	715.16
4168.59	721.2	4280.1	723.85	4307.98	725.64				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3722.57	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3722.57	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.28	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	454489.90	59588.84	39458.06
E.G. Slope (ft/ft)	0.000046	Area (sq ft)	454489.90	59588.84	39458.06
Q Total (cfs)	950424.60	Flow (cfs)	782702.80	126664.50	41057.34
Top Width (ft)	4307.98	Top Width (ft)	3400.00	322.57	585.41
Vel Total (ft/s)	1.72	Avg. Vel. (ft/s)	1.72	2.13	1.04
Max Chl Dpth (ft)	192.51	Hydr. Depth (ft)	133.67	184.73	67.40
Conv. Total (cfs)	140665300.0	Conv. (cfs)	115842000.0	18746680.0	6076594.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.31	332.95	643.73
Min Ch El (ft)	567.77	Shear (lb/sq ft)	0.37	0.51	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.64	1.08	0.18
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	29009.17	4621.05	5739.13
C & E Loss (ft)		Cum SA (acres)	209.29	25.74	89.27

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3544.14*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.15	500	659.29	650	657.7	700	656.48
950	643.94	1000	642.04	1100	634.65	1250	625.41	1350	625.41
1475	617.7	1950	617.7	2025	616.93	2300	609.93	2600	601.68
3000	600.87	3200	596.61	3400	592.3	3461.48	580.38	3522.96	567.77
3661.48	567.77	3722.96	600	3778.93	634.23	3984.18	710.08	4058.81	715.2
4170.76	721.29	4282.71	723.93	4310.7	725.74				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3722.96	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3722.96	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.28	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	454582.10	59652.69	39570.58
E.G. Slope (ft/ft)	0.000046	Area (sq ft)	454582.10	59652.69	39570.58
Q Total (cfs)	950424.50	Flow (cfs)	782556.00	126730.50	41138.02
Top Width (ft)	4310.70	Top Width (ft)	3400.00	322.96	587.74
Vel Total (ft/s)	1.72	Avg. Vel. (ft/s)	1.72	2.12	1.04
Max Chl Dpth (ft)	192.51	Hydr. Depth (ft)	133.70	184.71	67.33
Conv. Total (cfs)	140739400.0	Conv. (cfs)	115881300.0	18766320.0	6091740.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.30	333.32	645.91
Min Ch El (ft)	567.77	Shear (lb/sq ft)	0.37	0.51	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.64	1.08	0.18
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	28957.10	4614.22	5734.60
C & E Loss (ft)		Cum SA (acres)	208.90	25.70	89.20

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3539.16*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.11	500	659.28	650	657.67	700	656.42
950	643.81	1000	641.91	1100	634.53	1250	625.33	1350	625.33
1475	617.67	1950	617.67	2025	616.9	2300	609.93	2600	601.71
3000	600.88	3200	596.63	3400	592.33	3461.67	580.4	3523.35	567.77
3661.67	567.77	3723.35	600	3779.54	634.41	3985.6	710.08	4060.53	715.25
4172.93	721.38	4285.33	724.01	4313.42	725.84				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3723.35	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3723.35	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.28	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	454669.80	59717.44	39681.39
E.G. Slope (ft/ft)	0.000046	Area (sq ft)	454669.80	59717.44	39681.39
Q Total (cfs)	950424.40	Flow (cfs)	782406.30	126801.90	41216.13
Top Width (ft)	4313.42	Top Width (ft)	3400.00	323.35	590.07
Vel Total (ft/s)	1.72	Avg. Vel. (ft/s)	1.72	2.12	1.04
Max Chl Dpth (ft)	192.51	Hydr. Depth (ft)	133.73	184.68	67.25
Conv. Total (cfs)	140811700.0	Conv. (cfs)	115918700.0	18786550.0	6106445.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.30	333.69	648.10
Min Ch El (ft)	567.77	Shear (lb/sq ft)	0.37	0.51	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.64	1.08	0.18
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	28905.02	4607.38	5730.06
C & E Loss (ft)		Cum SA (acres)	208.51	25.66	89.13

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3534.18*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.08	500	659.27	650	657.63	700	656.36
950	643.68	1000	641.77	1100	634.4	1250	625.25	1350	625.25
1475	617.63	1950	617.63	2025	616.86	2300	609.93	2600	601.74
3000	600.9	3200	596.66	3400	592.37	3461.87	580.42	3523.74	567.76
3661.87	567.76	3723.74	600	3780.16	634.59	3987.03	710.08	4062.26	715.3
4175.1	721.48	4287.94	724.09	4316.15	725.93				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3723.74	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3723.74	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.28	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	454759.60	59783.87	39792.21
E.G. Slope (ft/ft)	0.000046	Area (sq ft)	454759.60	59783.87	39792.21
Q Total (cfs)	950424.30	Flow (cfs)	782255.70	126875.60	41293.00
Top Width (ft)	4316.15	Top Width (ft)	3400.00	323.74	592.41
Vel Total (ft/s)	1.71	Avg. Vel. (ft/s)	1.72	2.12	1.04
Max Chl Dpth (ft)	192.52	Hydr. Depth (ft)	133.75	184.67	67.17
Conv. Total (cfs)	140885300.0	Conv. (cfs)	115957000.0	18807290.0	6121031.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.29	334.06	650.30
Min Ch El (ft)	567.76	Shear (lb/sq ft)	0.37	0.51	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.64	1.08	0.18
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	28852.93	4600.53	5725.51
C & E Loss (ft)		Cum SA (acres)	208.12	25.62	89.07

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3529.20*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.05	500	659.26	650	657.59	700	656.3
950	643.54	1000	641.64	1100	634.28	1250	625.18	1350	625.18
1475	617.59	1950	617.59	2025	616.83	2300	609.93	2600	601.77
3000	600.91	3200	596.69	3400	592.41	3462.06	580.45	3524.12	567.76
3662.06	567.76	3724.12	600	3780.77	634.77	3988.46	710.08	4063.98	715.35
4177.27	721.57	4290.55	724.17	4318.87	726.03				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3724.12	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3724.12	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.28	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	454847.90	59845.98	39904.15
E.G. Slope (ft/ft)	0.000045	Area (sq ft)	454847.90	59845.98	39904.15
Q Total (cfs)	950424.10	Flow (cfs)	782111.60	126939.70	41372.68
Top Width (ft)	4318.87	Top Width (ft)	3400.00	324.12	594.75
Vel Total (ft/s)	1.71	Avg. Vel. (ft/s)	1.72	2.12	1.04
Max Chl Dpth (ft)	192.52	Hydr. Depth (ft)	133.78	184.64	67.09
Conv. Total (cfs)	140957000.0	Conv. (cfs)	115994600.0	18826370.0	6135964.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.29	334.42	652.49
Min Ch El (ft)	567.76	Shear (lb/sq ft)	0.37	0.51	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.64	1.08	0.18
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	28800.83	4593.68	5720.94
C & E Loss (ft)		Cum SA (acres)	207.73	25.59	89.00

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3524.22*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	678.02	500	659.25	650	657.55	700	656.24
950	643.41	1000	641.5	1100	634.16	1250	625.1	1350	625.1
1475	617.55	1950	617.55	2025	616.79	2300	609.93	2600	601.8
3000	600.93	3200	596.72	3400	592.45	3462.26	580.47	3524.51	567.75
3662.26	567.75	3724.51	600	3781.38	634.95	3989.88	710.08	4065.7	715.4
4179.43	721.67	4293.16	724.26	4321.6	726.13				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3724.51	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3724.51	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.28	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	454936.70	59912.40	40012.37
E.G. Slope (ft/ft)	0.000045	Area (sq ft)	454936.70	59912.40	40012.37
Q Total (cfs)	950424.00	Flow (cfs)	781964.40	127014.10	41445.51
Top Width (ft)	4321.60	Top Width (ft)	3400.00	324.51	597.09
Vel Total (ft/s)	1.71	Avg. Vel. (ft/s)	1.72	2.12	1.04
Max Chl Dpth (ft)	192.53	Hydr. Depth (ft)	133.80	184.62	67.01
Conv. Total (cfs)	141029500.0	Conv. (cfs)	116032400.0	18847100.0	6149928.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.28	334.80	654.69
Min Ch El (ft)	567.75	Shear (lb/sq ft)	0.37	0.51	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.64	1.08	0.18
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	28748.72	4586.82	5716.37
C & E Loss (ft)		Cum SA (acres)	207.34	25.55	88.93

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3519.24*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.99	500	659.23	650	657.51	700	656.18
950	643.28	1000	641.37	1100	634.03	1250	625.02	1350	625.02
1475	617.51	1950	617.51	2025	616.76	2300	609.93	2600	601.83
3000	600.94	3200	596.74	3400	592.49	3462.45	580.49	3524.9	567.75
3662.45	567.75	3724.9	600	3781.99	635.13	3991.31	710.08	4067.43	715.45
4181.6	721.76	4295.78	724.34	4324.32	726.23				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3724.9	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3724.9	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.28	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	455031.40	59976.75	40122.25
E.G. Slope (ft/ft)	0.000045	Area (sq ft)	455031.40	59976.75	40122.25
Q Total (cfs)	950423.90	Flow (cfs)	781821.90	127081.10	41520.90
Top Width (ft)	4324.32	Top Width (ft)	3400.00	324.90	599.42
Vel Total (ft/s)	1.71	Avg. Vel. (ft/s)	1.72	2.12	1.03
Max Chl Dpth (ft)	192.53	Hydr. Depth (ft)	133.83	184.60	66.94
Conv. Total (cfs)	141104200.0	Conv. (cfs)	116072800.0	18867040.0	6164382.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.28	335.16	656.88
Min Ch El (ft)	567.75	Shear (lb/sq ft)	0.37	0.51	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.64	1.07	0.18
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	28696.60	4579.96	5711.78
C & E Loss (ft)		Cum SA (acres)	206.95	25.51	88.86

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3514.26*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.96	500	659.22	650	657.47	700	656.12
950	643.15	1000	641.23	1100	633.91	1250	624.94	1350	624.94
1475	617.47	1950	617.47	2025	616.72	2300	609.93	2600	601.85
3000	600.96	3200	596.77	3400	592.53	3462.65	580.52	3525.29	567.75
3662.65	567.75	3725.29	600	3782.6	635.31	3992.74	710.08	4069.15	715.5
4183.77	721.86	4298.39	724.42	4327.04	726.32				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3725.29	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3725.29	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.28	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	455123.70	60040.55	40230.68
E.G. Slope (ft/ft)	0.000045	Area (sq ft)	455123.70	60040.55	40230.68
Q Total (cfs)	950423.80	Flow (cfs)	781682.80	127147.30	41593.81
Top Width (ft)	4327.04	Top Width (ft)	3400.00	325.29	601.75
Vel Total (ft/s)	1.71	Avg. Vel. (ft/s)	1.72	2.12	1.03
Max Chl Dpth (ft)	192.53	Hydr. Depth (ft)	133.86	184.58	66.86
Conv. Total (cfs)	141177200.0	Conv. (cfs)	116112200.0	18886620.0	6178398.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.27	335.53	659.08
Min Ch El (ft)	567.75	Shear (lb/sq ft)	0.37	0.51	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.64	1.07	0.18
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	28644.47	4573.08	5707.17
C & E Loss (ft)		Cum SA (acres)	206.56	25.48	88.79

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3509.28*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.93	500	659.21	650	657.43	700	656.06
950	643.02	1000	641.1	1100	633.78	1250	624.86	1350	624.86
1475	617.43	1950	617.43	2025	616.69	2300	609.94	2600	601.88
3000	600.97	3200	596.8	3400	592.57	3462.84	580.54	3525.68	567.74
3662.84	567.74	3725.68	600	3783.21	635.49	3994.16	710.09	4070.87	715.55
4185.94	721.95	4301	724.5	4329.77	726.42				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3725.68	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3725.68	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.28	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	455211.10	60106.86	40338.21
E.G. Slope (ft/ft)	0.000045	Area (sq ft)	455211.10	60106.86	40338.21
Q Total (cfs)	950423.60	Flow (cfs)	781536.40	127222.00	41665.28
Top Width (ft)	4329.77	Top Width (ft)	3400.00	325.68	604.09
Vel Total (ft/s)	1.71	Avg. Vel. (ft/s)	1.72	2.12	1.03
Max Chl Dpth (ft)	192.54	Hydr. Depth (ft)	133.89	184.56	66.78
Conv. Total (cfs)	141248900.0	Conv. (cfs)	116149400.0	18907320.0	6192161.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.27	335.91	661.28
Min Ch El (ft)	567.74	Shear (lb/sq ft)	0.37	0.51	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.63	1.07	0.18
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	28592.33	4566.20	5702.56
C & E Loss (ft)		Cum SA (acres)	206.17	25.44	88.72

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3504.30*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.89	500	659.2	650	657.39	700	656
950	642.89	1000	640.96	1100	633.66	1250	624.79	1350	624.79
1475	617.39	1950	617.39	2025	616.65	2300	609.94	2600	601.91
3000	600.98	3200	596.82	3400	592.61	3463.03	580.56	3526.07	567.74
3663.03	567.74	3726.07	600	3783.82	635.68	3995.59	710.09	4072.6	715.6
4188.1	722.05	4303.61	724.58	4332.49	726.52				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3726.07	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3726.07	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.28	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	455304.90	60171.21	40444.43
E.G. Slope (ft/ft)	0.000045	Area (sq ft)	455304.90	60171.21	40444.43
Q Total (cfs)	950423.50	Flow (cfs)	781399.40	127289.80	41734.35
Top Width (ft)	4332.49	Top Width (ft)	3400.00	326.07	606.42
Vel Total (ft/s)	1.71	Avg. Vel. (ft/s)	1.72	2.12	1.03
Max Chl Dpth (ft)	192.54	Hydr. Depth (ft)	133.91	184.53	66.69
Conv. Total (cfs)	141322300.0	Conv. (cfs)	116189400.0	18927230.0	6205651.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.26	336.28	663.47
Min Ch El (ft)	567.74	Shear (lb/sq ft)	0.37	0.51	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.63	1.07	0.18
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	28540.18	4559.31	5697.93
C & E Loss (ft)		Cum SA (acres)	205.78	25.40	88.65

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3499.32*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.86	500	659.19	650	657.35	700	655.94
950	642.76	1000	640.83	1100	633.53	1250	624.71	1350	624.71
1475	617.35	1950	617.35	2025	616.62	2300	609.94	2600	601.94
3000	601	3200	596.85	3400	592.65	3463.23	580.59	3526.46	567.74
3663.23	567.74	3726.46	600	3784.44	635.86	3997.02	710.09	4074.32	715.65
4190.27	722.14	4306.23	724.66	4335.21	726.61				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3726.46	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3726.46	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.27	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	455392.30	60234.90	40553.46
E.G. Slope (ft/ft)	0.000045	Area (sq ft)	455392.30	60234.90	40553.46
Q Total (cfs)	950423.40	Flow (cfs)	781257.60	127357.10	41808.65
Top Width (ft)	4335.21	Top Width (ft)	3400.00	326.46	608.75
Vel Total (ft/s)	1.71	Avg. Vel. (ft/s)	1.72	2.11	1.03
Max Chl Dpth (ft)	192.53	Hydr. Depth (ft)	133.94	184.51	66.62
Conv. Total (cfs)	141393300.0	Conv. (cfs)	116226700.0	18946760.0	6219821.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.26	336.65	665.67
Min Ch El (ft)	567.74	Shear (lb/sq ft)	0.37	0.50	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.63	1.07	0.18
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	28488.02	4552.41	5693.29
C & E Loss (ft)		Cum SA (acres)	205.39	25.36	88.58

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3494.34*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.83	500	659.17	650	657.32	700	655.88
950	642.63	1000	640.69	1100	633.41	1250	624.63	1350	624.63
1475	617.32	1950	617.32	2025	616.58	2300	609.94	2600	601.97
3000	601.01	3200	596.88	3400	592.68	3463.42	580.61	3526.85	567.73
3663.42	567.73	3726.85	600	3785.05	636.04	3998.44	710.09	4076.04	715.7
4192.44	722.23	4308.84	724.74	4337.94	726.71				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3726.85	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3726.85	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.27	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	455480.80	60301.54	40661.36
E.G. Slope (ft/ft)	0.000045	Area (sq ft)	455480.80	60301.54	40661.36
Q Total (cfs)	950423.30	Flow (cfs)	781110.50	127432.40	41880.38
Top Width (ft)	4337.94	Top Width (ft)	3400.00	326.85	611.09
Vel Total (ft/s)	1.71	Avg. Vel. (ft/s)	1.71	2.11	1.03
Max Chl Dpth (ft)	192.54	Hydr. Depth (ft)	133.96	184.49	66.54
Conv. Total (cfs)	141465800.0	Conv. (cfs)	116264400.0	18967680.0	6233687.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.26	337.02	667.87
Min Ch El (ft)	567.73	Shear (lb/sq ft)	0.37	0.50	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.63	1.07	0.18
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	28435.84	4545.51	5688.64
C & E Loss (ft)		Cum SA (acres)	205.00	25.33	88.51

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3489.36*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.8	500	659.16	650	657.28	700	655.82
950	642.5	1000	640.56	1100	633.28	1250	624.55	1350	624.55
1475	617.28	1950	617.28	2025	616.55	2300	609.94	2600	602
3000	601.03	3200	596.91	3400	592.72	3463.62	580.63	3527.24	567.73
3663.62	567.73	3727.24	600	3785.66	636.22	3999.87	710.09	4077.77	715.75
4194.61	722.33	4311.45	724.82	4340.66	726.81				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3727.24	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3727.24	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.27	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	455568.20	60365.84	40767.87
E.G. Slope (ft/ft)	0.000045	Area (sq ft)	455568.20	60365.84	40767.87
Q Total (cfs)	950423.20	Flow (cfs)	780970.60	127502.00	41950.58
Top Width (ft)	4340.66	Top Width (ft)	3400.00	327.24	613.42
Vel Total (ft/s)	1.71	Avg. Vel. (ft/s)	1.71	2.11	1.03
Max Chl Dpth (ft)	192.54	Hydr. Depth (ft)	133.99	184.47	66.46
Conv. Total (cfs)	141536500.0	Conv. (cfs)	116301700.0	18987520.0	6247257.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.25	337.39	670.06
Min Ch El (ft)	567.73	Shear (lb/sq ft)	0.37	0.50	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.63	1.06	0.18
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	28383.66	4538.60	5683.98
C & E Loss (ft)		Cum SA (acres)	204.61	25.29	88.44

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3484.38*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.77	500	659.15	650	657.24	700	655.76
950	642.37	1000	640.42	1100	633.16	1250	624.47	1350	624.47
1475	617.24	1950	617.24	2025	616.51	2300	609.94	2600	602.03
3000	601.04	3200	596.93	3400	592.76	3463.81	580.66	3527.63	567.72
3663.81	567.72	3727.63	600	3786.27	636.4	4001.3	710.09	4079.49	715.8
4196.78	722.42	4314.06	724.9	4343.39	726.91				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3727.63	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3727.63	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.27	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	455661.70	60431.43	40875.43
E.G. Slope (ft/ft)	0.000045	Area (sq ft)	455661.70	60431.43	40875.43
Q Total (cfs)	950423.10	Flow (cfs)	780830.40	127571.60	42021.11
Top Width (ft)	4343.39	Top Width (ft)	3400.00	327.63	615.76
Vel Total (ft/s)	1.71	Avg. Vel. (ft/s)	1.71	2.11	1.03
Max Chl Dpth (ft)	192.55	Hydr. Depth (ft)	134.02	184.45	66.38
Conv. Total (cfs)	141610500.0	Conv. (cfs)	116341600.0	19007830.0	6261032.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.25	337.76	672.27
Min Ch El (ft)	567.72	Shear (lb/sq ft)	0.37	0.50	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.63	1.06	0.18
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	28331.47	4531.68	5679.30
C & E Loss (ft)		Cum SA (acres)	204.23	25.25	88.37

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3479.40*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.74	500	659.14	650	657.2	700	655.7
950	642.23	1000	640.29	1100	633.04	1250	624.4	1350	624.4
1475	617.2	1950	617.2	2025	616.48	2300	609.94	2600	602.05
3000	601.06	3200	596.96	3400	592.8	3464.01	580.68	3528.02	567.72
3664.01	567.72	3728.02	600	3786.88	636.58	4002.72	710.09	4081.21	715.85
4198.94	722.52	4316.68	724.99	4346.11	727				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3728.02	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3728.02	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.27	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	455750.50	60495.73	40980.07
E.G. Slope (ft/ft)	0.000045	Area (sq ft)	455750.50	60495.73	40980.07
Q Total (cfs)	950422.90	Flow (cfs)	780694.40	127640.90	42087.57
Top Width (ft)	4346.11	Top Width (ft)	3400.00	328.02	618.09
Vel Total (ft/s)	1.71	Avg. Vel. (ft/s)	1.71	2.11	1.03
Max Chl Dpth (ft)	192.55	Hydr. Depth (ft)	134.04	184.43	66.30
Conv. Total (cfs)	141681200.0	Conv. (cfs)	116379500.0	19027650.0	6274067.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.24	338.13	674.47
Min Ch El (ft)	567.72	Shear (lb/sq ft)	0.37	0.50	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.63	1.06	0.18
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	28279.27	4524.75	5674.61
C & E Loss (ft)		Cum SA (acres)	203.84	25.21	88.30

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3474.42*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.71	500	659.13	650	657.16	700	655.64
950	642.1	1000	640.15	1100	632.91	1250	624.32	1350	624.32
1475	617.16	1950	617.16	2025	616.44	2300	609.94	2600	602.08
3000	601.07	3200	596.99	3400	592.84	3464.2	580.7	3528.4	567.72
3664.2	567.72	3728.4	600	3787.49	636.76	4004.15	710.09	4082.93	715.9
4201.11	722.61	4319.29	725.07	4348.83	727.1				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3728.4	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3728.4	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.27	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	455843.10	60558.20	41087.95
E.G. Slope (ft/ft)	0.000045	Area (sq ft)	455843.10	60558.20	41087.95
Q Total (cfs)	950422.80	Flow (cfs)	780559.50	127704.40	42158.93
Top Width (ft)	4348.83	Top Width (ft)	3400.00	328.40	620.43
Vel Total (ft/s)	1.70	Avg. Vel. (ft/s)	1.71	2.11	1.03
Max Chl Dpth (ft)	192.55	Hydr. Depth (ft)	134.07	184.40	66.22
Conv. Total (cfs)	141753800.0	Conv. (cfs)	116419000.0	19046880.0	6287926.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.24	338.50	676.68
Min Ch El (ft)	567.72	Shear (lb/sq ft)	0.37	0.50	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.63	1.06	0.17
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	28227.05	4517.82	5669.91
C & E Loss (ft)		Cum SA (acres)	203.45	25.18	88.23

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3469.44*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.67	500	659.11	650	657.12	700	655.58
950	641.97	1000	640.02	1100	632.79	1250	624.24	1350	624.24
1475	617.12	1950	617.12	2025	616.41	2300	609.94	2600	602.11
3000	601.09	3200	597.02	3400	592.88	3464.4	580.73	3528.79	567.71
3664.4	567.71	3728.79	600	3788.1	636.94	4005.58	710.1	4084.66	715.95
4203.28	722.71	4321.9	725.15	4351.56	727.2				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3728.79	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3728.79	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.27	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	455934.20	60623.82	41191.82
E.G. Slope (ft/ft)	0.000045	Area (sq ft)	455934.20	60623.82	41191.82
Q Total (cfs)	950422.70	Flow (cfs)	780423.80	127775.50	42223.41
Top Width (ft)	4351.56	Top Width (ft)	3400.00	328.79	622.77
Vel Total (ft/s)	1.70	Avg. Vel. (ft/s)	1.71	2.11	1.03
Max Chl Dpth (ft)	192.56	Hydr. Depth (ft)	134.10	184.38	66.14
Conv. Total (cfs)	141825700.0	Conv. (cfs)	116457800.0	19067140.0	6300739.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.24	338.87	678.88
Min Ch El (ft)	567.71	Shear (lb/sq ft)	0.37	0.50	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.63	1.06	0.17
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	28174.83	4510.88	5665.20
C & E Loss (ft)		Cum SA (acres)	203.06	25.14	88.16

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3464.45*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.64	500	659.1	650	657.08	700	655.53
950	641.84	1000	639.88	1100	632.66	1250	624.16	1350	624.16
1475	617.08	1950	617.08	2025	616.37	2300	609.94	2600	602.14
3000	601.1	3200	597.04	3400	592.92	3464.59	580.75	3529.18	567.71
3664.59	567.71	3729.18	600	3788.72	637.12	4007	710.1	4086.38	716
4205.45	722.8	4324.51	725.23	4354.28	727.3				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3729.18	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3729.18	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.27	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	456028.00	60688.04	41297.83
E.G. Slope (ft/ft)	0.000045	Area (sq ft)	456028.00	60688.04	41297.83
Q Total (cfs)	950422.60	Flow (cfs)	780288.90	127842.20	42291.62
Top Width (ft)	4354.28	Top Width (ft)	3400.00	329.18	625.10
Vel Total (ft/s)	1.70	Avg. Vel. (ft/s)	1.71	2.11	1.02
Max Chl Dpth (ft)	192.56	Hydr. Depth (ft)	134.13	184.36	66.07
Conv. Total (cfs)	141899000.0	Conv. (cfs)	116497800.0	19086950.0	6314178.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.23	339.24	681.08
Min Ch El (ft)	567.71	Shear (lb/sq ft)	0.37	0.50	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.63	1.06	0.17
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	28122.59	4503.93	5660.47
C & E Loss (ft)		Cum SA (acres)	202.67	25.10	88.09

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3459.47*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.61	500	659.09	650	657.04	700	655.47
950	641.71	1000	639.75	1100	632.54	1250	624.09	1350	624.09
1475	617.04	1950	617.04	2025	616.34	2300	609.94	2600	602.17
3000	601.12	3200	597.07	3400	592.96	3464.79	580.77	3529.57	567.7
3664.79	567.7	3729.57	600	3789.33	637.3	4008.43	710.1	4088.1	716.05
4207.62	722.9	4327.13	725.31	4357	727.39				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3729.57	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3729.57	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.27	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	456111.90	60754.27	41402.21
E.G. Slope (ft/ft)	0.000045	Area (sq ft)	456111.90	60754.27	41402.21
Q Total (cfs)	950422.50	Flow (cfs)	780147.30	127917.50	42357.69
Top Width (ft)	4357.00	Top Width (ft)	3400.00	329.57	627.43
Vel Total (ft/s)	1.70	Avg. Vel. (ft/s)	1.71	2.11	1.02
Max Chl Dpth (ft)	192.57	Hydr. Depth (ft)	134.15	184.34	65.99
Conv. Total (cfs)	141968300.0	Conv. (cfs)	116533600.0	19107530.0	6327133.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.23	339.62	683.29
Min Ch El (ft)	567.70	Shear (lb/sq ft)	0.37	0.50	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.63	1.05	0.17
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	28070.35	4496.97	5655.74
C & E Loss (ft)		Cum SA (acres)	202.28	25.06	88.02

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3454.49*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.58	500	659.08	650	657	700	655.41
950	641.58	1000	639.61	1100	632.41	1250	624.01	1350	624.01
1475	617	1950	617	2025	616.3	2300	609.94	2600	602.2
3000	601.13	3200	597.1	3400	593	3464.98	580.8	3529.96	567.7
3664.98	567.7	3729.96	600	3789.94	637.48	4009.86	710.1	4089.83	716.1
4209.78	722.99	4329.74	725.39	4359.73	727.49				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3729.96	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3729.96	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.27	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	456204.40	60817.73	41507.55
E.G. Slope (ft/ft)	0.000045	Area (sq ft)	456204.40	60817.73	41507.55
Q Total (cfs)	950422.40	Flow (cfs)	780015.50	127982.40	42424.49
Top Width (ft)	4359.73	Top Width (ft)	3400.00	329.96	629.77
Vel Total (ft/s)	1.70	Avg. Vel. (ft/s)	1.71	2.10	1.02
Max Chl Dpth (ft)	192.57	Hydr. Depth (ft)	134.18	184.32	65.91
Conv. Total (cfs)	142040400.0	Conv. (cfs)	116573200.0	19126940.0	6340331.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.22	339.99	685.50
Min Ch El (ft)	567.70	Shear (lb/sq ft)	0.37	0.50	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.63	1.05	0.17
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	28018.09	4490.01	5650.99
C & E Loss (ft)		Cum SA (acres)	201.89	25.02	87.95

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3449.51*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.55	500	659.07	650	656.96	700	655.35
950	641.45	1000	639.48	1100	632.29	1250	623.93	1350	623.93
1475	616.96	1950	616.96	2025	616.27	2300	609.94	2600	602.23
3000	601.15	3200	597.12	3400	593.04	3465.18	580.82	3530.35	567.7
3665.18	567.7	3730.35	600	3790.55	637.66	4011.28	710.1	4091.55	716.14
4211.95	723.09	4332.35	725.47	4362.45	727.59				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3730.35	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3730.35	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.27	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	456292.50	60881.91	41611.59
E.G. Slope (ft/ft)	0.000045	Area (sq ft)	456292.50	60881.91	41611.59
Q Total (cfs)	950422.30	Flow (cfs)	779881.30	128051.10	42489.95
Top Width (ft)	4362.45	Top Width (ft)	3400.00	330.35	632.10
Vel Total (ft/s)	1.70	Avg. Vel. (ft/s)	1.71	2.10	1.02
Max Chl Dpth (ft)	192.57	Hydr. Depth (ft)	134.20	184.30	65.83
Conv. Total (cfs)	142110700.0	Conv. (cfs)	116610700.0	19146670.0	6353254.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.22	340.36	687.70
Min Ch El (ft)	567.70	Shear (lb/sq ft)	0.37	0.50	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.63	1.05	0.17
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	27965.83	4483.04	5646.23
C & E Loss (ft)		Cum SA (acres)	201.50	24.99	87.87

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3444.53*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.52	500	659.05	650	656.93	700	655.29
950	641.32	1000	639.34	1100	632.16	1250	623.85	1350	623.85
1475	616.93	1950	616.93	2025	616.23	2300	609.94	2600	602.25
3000	601.16	3200	597.15	3400	593.07	3465.37	580.84	3530.74	567.69
3665.37	567.69	3730.74	600	3791.16	637.84	4012.71	710.1	4093.27	716.19
4214.12	723.18	4334.96	725.55	4365.17	727.68				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3730.74	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3730.74	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.27	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	456385.50	60948.36	41716.05
E.G. Slope (ft/ft)	0.000045	Area (sq ft)	456385.50	60948.36	41716.05
Q Total (cfs)	950422.10	Flow (cfs)	779743.40	128123.90	42554.72
Top Width (ft)	4365.17	Top Width (ft)	3400.00	330.74	634.43
Vel Total (ft/s)	1.70	Avg. Vel. (ft/s)	1.71	2.10	1.02
Max Chl Dpth (ft)	192.58	Hydr. Depth (ft)	134.23	184.28	65.75
Conv. Total (cfs)	142184100.0	Conv. (cfs)	116650400.0	19167470.0	6366231.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.22	340.73	689.91
Min Ch El (ft)	567.69	Shear (lb/sq ft)	0.37	0.50	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.62	1.05	0.17
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	27913.55	4476.06	5641.45
C & E Loss (ft)		Cum SA (acres)	201.11	24.95	87.80

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3439.55*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.49	500	659.04	650	656.89	700	655.23
950	641.19	1000	639.21	1100	632.04	1250	623.77	1350	623.77
1475	616.89	1950	616.89	2025	616.2	2300	609.94	2600	602.28
3000	601.18	3200	597.18	3400	593.11	3465.56	580.87	3531.13	567.69
3665.56	567.69	3731.13	600	3791.77	638.02	4014.14	710.1	4095	716.24
4216.29	723.27	4337.58	725.64	4367.9	727.78				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3731.13	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3731.13	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.27	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	456472.10	61011.84	41819.76
E.G. Slope (ft/ft)	0.000045	Area (sq ft)	456472.10	61011.84	41819.76
Q Total (cfs)	950422.00	Flow (cfs)	779611.40	128191.20	42619.43
Top Width (ft)	4367.90	Top Width (ft)	3400.00	331.13	636.77
Vel Total (ft/s)	1.70	Avg. Vel. (ft/s)	1.71	2.10	1.02
Max Chl Dpth (ft)	192.58	Hydr. Depth (ft)	134.26	184.25	65.67
Conv. Total (cfs)	142253300.0	Conv. (cfs)	116687400.0	19186870.0	6379012.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.22	341.10	692.12
Min Ch El (ft)	567.69	Shear (lb/sq ft)	0.37	0.50	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.62	1.05	0.17
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	27861.27	4469.08	5636.67
C & E Loss (ft)		Cum SA (acres)	200.72	24.91	87.73

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3434.57*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.45	500	659.03	650	656.85	700	655.17
950	641.06	1000	639.07	1100	631.91	1250	623.7	1350	623.7
1475	616.85	1950	616.85	2025	616.16	2300	609.94	2600	602.31
3000	601.19	3200	597.21	3400	593.15	3465.76	580.89	3531.52	567.68
3665.76	567.68	3731.52	600	3792.38	638.2	4015.56	710.11	4096.72	716.29
4218.45	723.37	4340.19	725.72	4370.62	727.88				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3731.52	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3731.52	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.32	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.27	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	456564.80	61077.95	41920.10
E.G. Slope (ft/ft)	0.000045	Area (sq ft)	456564.80	61077.95	41920.10
Q Total (cfs)	950421.90	Flow (cfs)	779480.90	128263.20	42677.72
Top Width (ft)	4370.62	Top Width (ft)	3400.00	331.52	639.10
Vel Total (ft/s)	1.70	Avg. Vel. (ft/s)	1.71	2.10	1.02
Max Chl Dpth (ft)	192.59	Hydr. Depth (ft)	134.28	184.24	65.59
Conv. Total (cfs)	142325300.0	Conv. (cfs)	116727000.0	19207370.0	6390974.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.21	341.48	694.32
Min Ch El (ft)	567.68	Shear (lb/sq ft)	0.37	0.50	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.62	1.05	0.17
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	27808.97	4462.08	5631.87
C & E Loss (ft)		Cum SA (acres)	200.33	24.87	87.66

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3429.59*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.42	500	659.02	650	656.81	700	655.11
950	640.92	1000	638.94	1100	631.79	1250	623.62	1350	623.62
1475	616.81	1950	616.81	2025	616.13	2300	609.94	2600	602.34
3000	601.21	3200	597.23	3400	593.19	3465.95	580.91	3531.91	567.68
3665.95	567.68	3731.91	600	3793	638.39	4016.99	710.11	4098.44	716.34
4220.62	723.46	4342.8	725.8	4373.35	727.98				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3731.91	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3731.91	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.27	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	456654.60	61142.02	42022.79
E.G. Slope (ft/ft)	0.000045	Area (sq ft)	456654.60	61142.02	42022.79
Q Total (cfs)	950421.80	Flow (cfs)	779350.60	128331.20	42740.07
Top Width (ft)	4373.35	Top Width (ft)	3400.00	331.91	641.44
Vel Total (ft/s)	1.70	Avg. Vel. (ft/s)	1.71	2.10	1.02
Max Chl Dpth (ft)	192.59	Hydr. Depth (ft)	134.31	184.21	65.51
Conv. Total (cfs)	142395900.0	Conv. (cfs)	116765300.0	19227070.0	6403482.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.21	341.85	696.54
Min Ch El (ft)	567.68	Shear (lb/sq ft)	0.36	0.50	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.62	1.04	0.17
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	27756.66	4455.08	5627.07
C & E Loss (ft)		Cum SA (acres)	199.94	24.84	87.58

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3424.61*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.39	500	659.01	650	656.77	700	655.05
950	640.79	1000	638.8	1100	631.67	1250	623.54	1350	623.54
1475	616.77	1950	616.77	2025	616.09	2300	609.94	2600	602.37
3000	601.22	3200	597.26	3400	593.23	3466.15	580.94	3532.3	567.68
3666.15	567.68	3732.3	600	3793.61	638.57	4018.42	710.11	4100.17	716.39
4222.79	723.56	4345.41	725.88	4376.07	728.07				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3732.3	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3732.3	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.27	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	456746.30	61205.48	42124.61
E.G. Slope (ft/ft)	0.000045	Area (sq ft)	456746.30	61205.48	42124.61
Q Total (cfs)	950421.70	Flow (cfs)	779224.40	128396.40	42800.90
Top Width (ft)	4376.07	Top Width (ft)	3400.00	332.30	643.77
Vel Total (ft/s)	1.70	Avg. Vel. (ft/s)	1.71	2.10	1.02
Max Chl Dpth (ft)	192.59	Hydr. Depth (ft)	134.34	184.19	65.43
Conv. Total (cfs)	142466600.0	Conv. (cfs)	116804400.0	19246410.0	6415784.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.20	342.22	698.75
Min Ch El (ft)	567.68	Shear (lb/sq ft)	0.36	0.50	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.62	1.04	0.17
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	27704.35	4448.07	5622.25
C & E Loss (ft)		Cum SA (acres)	199.55	24.80	87.51

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3419.63*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.36	500	658.99	650	656.73	700	654.99
950	640.66	1000	638.67	1100	631.54	1250	623.46	1350	623.46
1475	616.73	1950	616.73	2025	616.06	2300	609.94	2600	602.4
3000	601.23	3200	597.29	3400	593.27	3466.34	580.96	3532.68	567.67
3666.34	567.67	3732.68	600	3794.22	638.75	4019.84	710.11	4101.89	716.44
4224.96	723.65	4348.03	725.96	4378.79	728.17				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3732.68	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3732.68	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.27	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	456838.90	61269.79	42228.13
E.G. Slope (ft/ft)	0.000044	Area (sq ft)	456838.90	61269.79	42228.13
Q Total (cfs)	950421.60	Flow (cfs)	779093.40	128464.10	42864.08
Top Width (ft)	4378.79	Top Width (ft)	3400.00	332.68	646.11
Vel Total (ft/s)	1.70	Avg. Vel. (ft/s)	1.71	2.10	1.02
Max Chl Dpth (ft)	192.60	Hydr. Depth (ft)	134.36	184.17	65.36
Conv. Total (cfs)	142538900.0	Conv. (cfs)	116844000.0	19266330.0	6428513.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.20	342.59	700.96
Min Ch El (ft)	567.67	Shear (lb/sq ft)	0.36	0.50	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.62	1.04	0.17
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	27652.02	4441.06	5617.41
C & E Loss (ft)		Cum SA (acres)	199.16	24.76	87.43

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3414.65*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.33	500	658.98	650	656.69	700	654.93
950	640.53	1000	638.53	1100	631.42	1250	623.39	1350	623.39
1475	616.69	1950	616.69	2025	616.02	2300	609.94	2600	602.43
3000	601.25	3200	597.32	3400	593.31	3466.54	580.98	3533.07	567.67
3666.54	567.67	3733.07	600	3794.83	638.93	4021.27	710.11	4103.61	716.49
4227.13	723.75	4350.64	726.04	4381.52	728.27				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3733.07	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3733.07	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.27	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	456925.70	61333.92	42329.42
E.G. Slope (ft/ft)	0.000044	Area (sq ft)	456925.70	61333.92	42329.42
Q Total (cfs)	950421.40	Flow (cfs)	778963.80	128533.20	42924.40
Top Width (ft)	4381.52	Top Width (ft)	3400.00	333.07	648.45
Vel Total (ft/s)	1.70	Avg. Vel. (ft/s)	1.70	2.10	1.01
Max Chl Dpth (ft)	192.60	Hydr. Depth (ft)	134.39	184.15	65.28
Conv. Total (cfs)	142607700.0	Conv. (cfs)	116881100.0	19286010.0	6440672.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.20	342.96	703.18
Min Ch El (ft)	567.67	Shear (lb/sq ft)	0.36	0.50	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.62	1.04	0.17
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	27599.68	4434.04	5612.57
C & E Loss (ft)		Cum SA (acres)	198.77	24.72	87.36

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3409.67*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.3	500	658.97	650	656.65	700	654.87
950	640.4	1000	638.4	1100	631.29	1250	623.31	1350	623.31
1475	616.65	1950	616.65	2025	615.99	2300	609.94	2600	602.45
3000	601.26	3200	597.34	3400	593.35	3466.73	581.01	3533.46	567.67
3666.73	567.67	3733.46	600	3795.44	639.11	4022.7	710.11	4105.34	716.54
4229.29	723.84	4353.25	726.12	4384.24	728.37				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3733.46	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3733.46	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.27	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	457021.20	61397.21	42431.14
E.G. Slope (ft/ft)	0.000044	Area (sq ft)	457021.20	61397.21	42431.14
Q Total (cfs)	950421.30	Flow (cfs)	778840.10	128596.40	42984.73
Top Width (ft)	4384.24	Top Width (ft)	3400.00	333.46	650.78
Vel Total (ft/s)	1.69	Avg. Vel. (ft/s)	1.70	2.09	1.01
Max Chl Dpth (ft)	192.60	Hydr. Depth (ft)	134.42	184.12	65.20
Conv. Total (cfs)	142680100.0	Conv. (cfs)	116921800.0	19305290.0	6452998.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.20	343.33	705.38
Min Ch El (ft)	567.67	Shear (lb/sq ft)	0.36	0.50	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.62	1.04	0.17
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	27547.33	4427.01	5607.72
C & E Loss (ft)		Cum SA (acres)	198.38	24.68	87.29

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3404.69*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.27	500	658.96	650	656.61	700	654.81
950	640.27	1000	638.26	1100	631.17	1250	623.23	1350	623.23
1475	616.61	1950	616.61	2025	615.95	2300	609.94	2600	602.48
3000	601.28	3200	597.37	3400	593.39	3466.93	581.03	3533.85	567.66
3666.93	567.66	3733.85	600	3796.05	639.29	4024.12	710.11	4107.06	716.59
4231.46	723.94	4355.86	726.2	4386.96	728.46				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3733.85	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3733.85	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.27	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	457109.90	61463.27	42531.04
E.G. Slope (ft/ft)	0.000044	Area (sq ft)	457109.90	61463.27	42531.04
Q Total (cfs)	950421.30	Flow (cfs)	778709.80	128669.40	43042.23
Top Width (ft)	4386.96	Top Width (ft)	3400.00	333.85	653.11
Vel Total (ft/s)	1.69	Avg. Vel. (ft/s)	1.70	2.09	1.01
Max Chl Dpth (ft)	192.61	Hydr. Depth (ft)	134.44	184.10	65.12
Conv. Total (cfs)	142750300.0	Conv. (cfs)	116959800.0	19325730.0	6464808.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.19	343.71	707.60
Min Ch El (ft)	567.66	Shear (lb/sq ft)	0.36	0.49	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.62	1.04	0.17
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	27494.97	4419.97	5602.85
C & E Loss (ft)		Cum SA (acres)	197.99	24.64	87.21

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3399.71*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.23	500	658.95	650	656.58	700	654.75
950	640.14	1000	638.13	1100	631.04	1250	623.15	1350	623.15
1475	616.58	1950	616.58	2025	615.92	2300	609.94	2600	602.51
3000	601.29	3200	597.4	3400	593.42	3467.12	581.05	3534.24	567.66
3667.12	567.66	3734.24	600	3796.66	639.47	4025.55	710.11	4108.78	716.64
4233.63	724.03	4358.48	726.28	4389.69	728.56				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3734.24	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3734.24	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.26	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	457197.10	61527.57	42632.43
E.G. Slope (ft/ft)	0.000044	Area (sq ft)	457197.10	61527.57	42632.43
Q Total (cfs)	950421.10	Flow (cfs)	778579.60	128739.20	43102.39
Top Width (ft)	4389.69	Top Width (ft)	3400.00	334.24	655.45
Vel Total (ft/s)	1.69	Avg. Vel. (ft/s)	1.70	2.09	1.01
Max Chl Dpth (ft)	192.60	Hydr. Depth (ft)	134.47	184.08	65.04
Conv. Total (cfs)	142819600.0	Conv. (cfs)	116997000.0	19345610.0	6476989.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.19	344.08	709.82
Min Ch El (ft)	567.66	Shear (lb/sq ft)	0.36	0.49	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.62	1.03	0.17
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	27442.61	4412.93	5597.97
C & E Loss (ft)		Cum SA (acres)	197.60	24.61	87.14

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3394.73*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.2	500	658.93	650	656.54	700	654.69
950	640.01	1000	637.99	1100	630.92	1250	623.07	1350	623.07
1475	616.54	1950	616.54	2025	615.88	2300	609.94	2600	602.54
3000	601.31	3200	597.42	3400	593.46	3467.32	581.08	3534.63	567.65
3667.32	567.65	3734.63	600	3797.28	639.65	4026.98	710.12	4110.51	716.69
4235.8	724.12	4361.09	726.37	4392.41	728.66				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3734.63	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3734.63	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.26	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	457290.00	61592.84	42731.36
E.G. Slope (ft/ft)	0.000044	Area (sq ft)	457290.00	61592.84	42731.36
Q Total (cfs)	950421.00	Flow (cfs)	778454.80	128808.10	43158.13
Top Width (ft)	4392.41	Top Width (ft)	3400.00	334.63	657.78
Vel Total (ft/s)	1.69	Avg. Vel. (ft/s)	1.70	2.09	1.01
Max Chl Dpth (ft)	192.61	Hydr. Depth (ft)	134.50	184.06	64.96
Conv. Total (cfs)	142890900.0	Conv. (cfs)	117036700.0	19365640.0	6488605.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.19	344.46	712.03
Min Ch El (ft)	567.65	Shear (lb/sq ft)	0.36	0.49	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.62	1.03	0.17
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	27390.23	4405.87	5593.08
C & E Loss (ft)		Cum SA (acres)	197.21	24.57	87.06

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3389.75*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.17	500	658.92	650	656.5	700	654.63
950	639.88	1000	637.86	1100	630.79	1250	623	1350	623
1475	616.5	1950	616.5	2025	615.85	2300	609.94	2600	602.57
3000	601.32	3200	597.45	3400	593.5	3467.51	581.1	3535.02	567.65
3667.51	567.65	3735.02	600	3797.89	639.83	4028.4	710.12	4112.23	716.74
4237.97	724.22	4363.7	726.45	4395.14	728.75				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3735.02	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3735.02	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.26	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	457378.10	61656.82	42830.48
E.G. Slope (ft/ft)	0.000044	Area (sq ft)	457378.10	61656.82	42830.48
Q Total (cfs)	950420.90	Flow (cfs)	778330.20	128876.60	43214.13
Top Width (ft)	4395.14	Top Width (ft)	3400.00	335.02	660.12
Vel Total (ft/s)	1.69	Avg. Vel. (ft/s)	1.70	2.09	1.01
Max Chl Dpth (ft)	192.61	Hydr. Depth (ft)	134.52	184.04	64.88
Conv. Total (cfs)	142959700.0	Conv. (cfs)	117074300.0	19385270.0	6500153.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.18	344.83	714.25
Min Ch El (ft)	567.65	Shear (lb/sq ft)	0.36	0.49	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.62	1.03	0.17
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	27337.84	4398.81	5588.18
C & E Loss (ft)		Cum SA (acres)	196.83	24.53	86.99

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3384.77*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.14	500	658.91	650	656.46	700	654.57
950	639.75	1000	637.73	1100	630.67	1250	622.92	1350	622.92
1475	616.46	1950	616.46	2025	615.81	2300	609.94	2600	602.6
3000	601.34	3200	597.48	3400	593.54	3467.7	581.12	3535.41	567.65
3667.7	567.65	3735.41	600	3798.5	640.01	4029.83	710.12	4113.95	716.79
4240.13	724.31	4366.31	726.53	4397.86	728.85				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3735.41	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3735.41	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.26	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	457466.00	61720.73	42930.39
E.G. Slope (ft/ft)	0.000044	Area (sq ft)	457466.00	61720.73	42930.39
Q Total (cfs)	950420.80	Flow (cfs)	778204.10	128944.50	43272.14
Top Width (ft)	4397.86	Top Width (ft)	3400.00	335.41	662.45
Vel Total (ft/s)	1.69	Avg. Vel. (ft/s)	1.70	2.09	1.01
Max Chl Dpth (ft)	192.61	Hydr. Depth (ft)	134.55	184.02	64.81
Conv. Total (cfs)	143028800.0	Conv. (cfs)	117111900.0	19404860.0	6512023.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.18	345.20	716.46
Min Ch El (ft)	567.65	Shear (lb/sq ft)	0.36	0.49	0.17
Alpha	1.05	Stream Power (lb/ft s)	0.62	1.03	0.17
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	27285.44	4391.75	5583.27
C & E Loss (ft)		Cum SA (acres)	196.44	24.49	86.91

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3379.79*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.11	500	658.9	650	656.42	700	654.51
950	639.61	1000	637.59	1100	630.54	1250	622.84	1350	622.84
1475	616.42	1950	616.42	2025	615.78	2300	609.94	2600	602.63
3000	601.35	3200	597.51	3400	593.58	3467.9	581.15	3535.8	567.64
3667.9	567.64	3735.8	600	3799.11	640.19	4031.26	710.12	4115.68	716.84
4242.3	724.41	4368.93	726.61	4400.58	728.95				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3735.8	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3735.8	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.26	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	457558.80	61786.03	43028.79
E.G. Slope (ft/ft)	0.000044	Area (sq ft)	457558.80	61786.03	43028.79
Q Total (cfs)	950420.70	Flow (cfs)	778080.40	129013.40	43326.89
Top Width (ft)	4400.58	Top Width (ft)	3400.00	335.80	664.78
Vel Total (ft/s)	1.69	Avg. Vel. (ft/s)	1.70	2.09	1.01
Max Chl Dpth (ft)	192.62	Hydr. Depth (ft)	134.58	184.00	64.73
Conv. Total (cfs)	143099900.0	Conv. (cfs)	117151500.0	19424880.0	6523506.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.18	345.58	718.67
Min Ch El (ft)	567.64	Shear (lb/sq ft)	0.36	0.49	0.16
Alpha	1.05	Stream Power (lb/ft s)	0.62	1.03	0.17
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	27233.03	4384.67	5578.35
C & E Loss (ft)		Cum SA (acres)	196.05	24.45	86.83

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3374.81*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.08	500	658.89	650	656.38	700	654.45
950	639.48	1000	637.46	1100	630.42	1250	622.76	1350	622.76
1475	616.38	1950	616.38	2025	615.74	2300	609.94	2600	602.65
3000	601.37	3200	597.53	3400	593.62	3468.09	581.17	3536.19	567.64
3668.09	567.64	3736.19	600	3799.72	640.37	4032.68	710.12	4117.4	716.89
4244.47	724.5	4371.54	726.69	4403.31	729.05				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3736.19	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3736.19	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.26	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	457652.20	61849.91	43127.94
E.G. Slope (ft/ft)	0.000044	Area (sq ft)	457652.20	61849.91	43127.94
Q Total (cfs)	950420.60	Flow (cfs)	777958.90	129079.30	43382.46
Top Width (ft)	4403.31	Top Width (ft)	3400.00	336.19	667.12
Vel Total (ft/s)	1.69	Avg. Vel. (ft/s)	1.70	2.09	1.01
Max Chl Dpth (ft)	192.62	Hydr. Depth (ft)	134.60	183.97	64.65
Conv. Total (cfs)	143171000.0	Conv. (cfs)	117191500.0	19444450.0	6535119.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.18	345.95	720.90
Min Ch El (ft)	567.64	Shear (lb/sq ft)	0.36	0.49	0.16
Alpha	1.05	Stream Power (lb/ft s)	0.61	1.03	0.17
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	27180.61	4377.59	5573.41
C & E Loss (ft)		Cum SA (acres)	195.66	24.41	86.76

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3369.82*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.05	500	658.87	650	656.34	700	654.39
950	639.35	1000	637.32	1100	630.3	1250	622.68	1350	622.68
1475	616.34	1950	616.34	2025	615.71	2300	609.94	2600	602.68
3000	601.38	3200	597.56	3400	593.66	3468.29	581.19	3536.58	567.63
3668.29	567.63	3736.58	600	3800.33	640.55	4034.11	710.12	4119.12	716.94
4246.64	724.6	4374.15	726.77	4406.03	729.14				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3736.58	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3736.58	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.26	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	457744.40	61915.83	43225.62
E.G. Slope (ft/ft)	0.000044	Area (sq ft)	457744.40	61915.83	43225.62
Q Total (cfs)	950420.40	Flow (cfs)	777834.50	129150.30	43435.59
Top Width (ft)	4406.03	Top Width (ft)	3400.00	336.58	669.45
Vel Total (ft/s)	1.69	Avg. Vel. (ft/s)	1.70	2.09	1.00
Max Chl Dpth (ft)	192.63	Hydr. Depth (ft)	134.63	183.96	64.57
Conv. Total (cfs)	143242000.0	Conv. (cfs)	117230800.0	19464810.0	6546369.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.18	346.33	723.12
Min Ch El (ft)	567.63	Shear (lb/sq ft)	0.36	0.49	0.16
Alpha	1.05	Stream Power (lb/ft s)	0.61	1.02	0.17
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	27128.17	4370.50	5568.46
C & E Loss (ft)		Cum SA (acres)	195.27	24.38	86.68

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3364.84*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	677.01	500	658.86	650	656.3	700	654.33
950	639.22	1000	637.19	1100	630.17	1250	622.61	1350	622.61
1475	616.3	1950	616.3	2025	615.67	2300	609.95	2600	602.71
3000	601.4	3200	597.59	3400	593.7	3468.48	581.22	3536.96	567.63
3668.48	567.63	3736.96	600	3800.95	640.73	4035.54	710.12	4120.84	716.99
4248.8	724.69	4376.76	726.85	4408.75	729.24				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3736.96	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3736.96	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.26	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	457830.80	61977.30	43326.01
E.G. Slope (ft/ft)	0.000044	Area (sq ft)	457830.80	61977.30	43326.01
Q Total (cfs)	950420.30	Flow (cfs)	777713.00	129212.90	43494.34
Top Width (ft)	4408.75	Top Width (ft)	3400.00	336.96	671.79
Vel Total (ft/s)	1.69	Avg. Vel. (ft/s)	1.70	2.08	1.00
Max Chl Dpth (ft)	192.63	Hydr. Depth (ft)	134.66	183.93	64.49
Conv. Total (cfs)	143309500.0	Conv. (cfs)	117267800.0	19483430.0	6558313.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.17	346.69	725.34
Min Ch El (ft)	567.63	Shear (lb/sq ft)	0.36	0.49	0.16
Alpha	1.05	Stream Power (lb/ft s)	0.61	1.02	0.16
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	27075.73	4363.41	5563.51
C & E Loss (ft)		Cum SA (acres)	194.88	24.34	86.60

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3359.86*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.98	500	658.85	650	656.26	700	654.27
950	639.09	1000	637.05	1100	630.05	1250	622.53	1350	622.53
1475	616.26	1950	616.26	2025	615.64	2300	609.95	2600	602.74
3000	601.41	3200	597.61	3400	593.74	3468.68	581.24	3537.35	567.63
3668.68	567.63	3737.35	600	3801.56	640.91	4036.96	710.12	4122.57	717.04
4250.97	724.79	4379.38	726.93	4411.48	729.34				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3737.35	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3737.35	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.26	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	457923.30	62041.25	43422.96
E.G. Slope (ft/ft)	0.000044	Area (sq ft)	457923.30	62041.25	43422.96
Q Total (cfs)	950420.30	Flow (cfs)	777594.60	129279.30	43546.36
Top Width (ft)	4411.48	Top Width (ft)	3400.00	337.35	674.13
Vel Total (ft/s)	1.69	Avg. Vel. (ft/s)	1.70	2.08	1.00
Max Chl Dpth (ft)	192.63	Hydr. Depth (ft)	134.68	183.91	64.41
Conv. Total (cfs)	143379700.0	Conv. (cfs)	117307300.0	19502980.0	6569370.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.17	347.06	727.56
Min Ch El (ft)	567.63	Shear (lb/sq ft)	0.36	0.49	0.16
Alpha	1.05	Stream Power (lb/ft s)	0.61	1.02	0.16
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	27023.28	4356.30	5558.54
C & E Loss (ft)		Cum SA (acres)	194.49	24.30	86.53

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3354.88*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.95	500	658.84	650	656.23	700	654.21
950	638.96	1000	636.92	1100	629.92	1250	622.45	1350	622.45
1475	616.23	1950	616.23	2025	615.6	2300	609.95	2600	602.77
3000	601.43	3200	597.64	3400	593.77	3468.87	581.26	3537.74	567.62
3668.87	567.62	3737.74	600	3802.17	641.1	4038.39	710.13	4124.29	717.08
4253.14	724.88	4381.99	727.02	4414.2	729.44				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3737.74	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3737.74	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.26	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	458006.30	62107.37	43517.79
E.G. Slope (ft/ft)	0.000044	Area (sq ft)	458006.30	62107.37	43517.79
Q Total (cfs)	950420.10	Flow (cfs)	777468.60	129355.50	43596.12
Top Width (ft)	4414.20	Top Width (ft)	3400.00	337.74	676.46
Vel Total (ft/s)	1.69	Avg. Vel. (ft/s)	1.70	2.08	1.00
Max Chl Dpth (ft)	192.64	Hydr. Depth (ft)	134.71	183.89	64.33
Conv. Total (cfs)	143446300.0	Conv. (cfs)	117342800.0	19523540.0	6579933.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.17	347.44	729.78
Min Ch El (ft)	567.62	Shear (lb/sq ft)	0.36	0.49	0.16
Alpha	1.05	Stream Power (lb/ft s)	0.61	1.02	0.16
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	26970.82	4349.19	5553.56
C & E Loss (ft)		Cum SA (acres)	194.10	24.26	86.45

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3349.90*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.92	500	658.83	650	656.19	700	654.15
950	638.83	1000	636.78	1100	629.8	1250	622.37	1350	622.37
1475	616.19	1950	616.19	2025	615.57	2300	609.95	2600	602.8
3000	601.44	3200	597.67	3400	593.81	3469.07	581.29	3538.13	567.62
3669.07	567.62	3738.13	600	3802.78	641.28	4039.82	710.13	4126.01	717.13
4255.31	724.97	4384.6	727.1	4416.93	729.53				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3738.13	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3738.13	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.26	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	458096.20	62170.51	43615.68
E.G. Slope (ft/ft)	0.000044	Area (sq ft)	458096.20	62170.51	43615.68
Q Total (cfs)	950420.00	Flow (cfs)	777350.30	129420.10	43649.67
Top Width (ft)	4416.93	Top Width (ft)	3400.00	338.13	678.80
Vel Total (ft/s)	1.69	Avg. Vel. (ft/s)	1.70	2.08	1.00
Max Chl Dpth (ft)	192.64	Hydr. Depth (ft)	134.73	183.87	64.25
Conv. Total (cfs)	143515100.0	Conv. (cfs)	117381300.0	19542660.0	6591178.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.17	347.81	732.01
Min Ch El (ft)	567.62	Shear (lb/sq ft)	0.36	0.49	0.16
Alpha	1.05	Stream Power (lb/ft s)	0.61	1.02	0.16
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	26918.35	4342.07	5548.57
C & E Loss (ft)		Cum SA (acres)	193.71	24.22	86.37

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3344.92*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.89	500	658.81	650	656.15	700	654.09
950	638.7	1000	636.65	1100	629.67	1250	622.3	1350	622.3
1475	616.15	1950	616.15	2025	615.53	2300	609.95	2600	602.82
3000	601.46	3200	597.7	3400	593.85	3469.26	581.31	3538.52	567.61
3669.26	567.61	3738.52	600	3803.39	641.46	4041.24	710.13	4127.74	717.18
4257.48	725.07	4387.21	727.18	4419.65	729.63				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3738.52	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3738.52	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.26	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	458188.70	62236.32	43711.01
E.G. Slope (ft/ft)	0.000044	Area (sq ft)	458188.70	62236.32	43711.01
Q Total (cfs)	950419.90	Flow (cfs)	777229.80	129490.90	43699.14
Top Width (ft)	4419.65	Top Width (ft)	3400.00	338.52	681.13
Vel Total (ft/s)	1.68	Avg. Vel. (ft/s)	1.70	2.08	1.00
Max Chl Dpth (ft)	192.65	Hydr. Depth (ft)	134.76	183.85	64.17
Conv. Total (cfs)	143585700.0	Conv. (cfs)	117420800.0	19562970.0	6601894.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.16	348.19	734.23
Min Ch El (ft)	567.61	Shear (lb/sq ft)	0.36	0.49	0.16
Alpha	1.05	Stream Power (lb/ft s)	0.61	1.02	0.16
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	26865.86	4334.95	5543.57
C & E Loss (ft)		Cum SA (acres)	193.32	24.18	86.29

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3339.94*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.86	500	658.8	650	656.11	700	654.03
950	638.57	1000	636.51	1100	629.55	1250	622.22	1350	622.22
1475	616.11	1950	616.11	2025	615.5	2300	609.95	2600	602.85
3000	601.47	3200	597.72	3400	593.89	3469.46	581.33	3538.91	567.61
3669.46	567.61	3738.91	600	3804	641.64	4042.67	710.13	4129.46	717.23
4259.64	725.16	4389.83	727.26	4422.37	729.73				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3738.91	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3738.91	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.26	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	458280.80	62300.12	43807.67
E.G. Slope (ft/ft)	0.000044	Area (sq ft)	458280.80	62300.12	43807.67
Q Total (cfs)	950419.80	Flow (cfs)	777112.10	129556.70	43750.99
Top Width (ft)	4422.37	Top Width (ft)	3400.00	338.91	683.46
Vel Total (ft/s)	1.68	Avg. Vel. (ft/s)	1.70	2.08	1.00
Max Chl Dpth (ft)	192.65	Hydr. Depth (ft)	134.79	183.83	64.10
Conv. Total (cfs)	143655600.0	Conv. (cfs)	117460200.0	19582440.0	6612944.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.16	348.56	736.44
Min Ch El (ft)	567.61	Shear (lb/sq ft)	0.36	0.49	0.16
Alpha	1.05	Stream Power (lb/ft s)	0.61	1.02	0.16
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	26813.37	4327.81	5538.55
C & E Loss (ft)		Cum SA (acres)	192.93	24.14	86.22

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3334.96*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.83	500	658.79	650	656.07	700	653.97
950	638.44	1000	636.38	1100	629.42	1250	622.14	1350	622.14
1475	616.07	1950	616.07	2025	615.46	2300	609.95	2600	602.88
3000	601.48	3200	597.75	3400	593.93	3469.65	581.36	3539.3	567.61
3669.65	567.61	3739.3	600	3804.61	641.82	4044.1	710.13	4131.18	717.28
4261.81	725.26	4392.44	727.34	4425.1	729.82				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3739.3	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3739.3	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.26	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	458373.40	62363.25	43903.21
E.G. Slope (ft/ft)	0.000044	Area (sq ft)	458373.40	62363.25	43903.21
Q Total (cfs)	950419.70	Flow (cfs)	776998.80	129620.70	43800.30
Top Width (ft)	4425.10	Top Width (ft)	3400.00	339.30	685.80
Vel Total (ft/s)	1.68	Avg. Vel. (ft/s)	1.70	2.08	1.00
Max Chl Dpth (ft)	192.65	Hydr. Depth (ft)	134.82	183.80	64.02
Conv. Total (cfs)	143724900.0	Conv. (cfs)	117499800.0	19601570.0	6623597.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.16	348.93	738.68
Min Ch El (ft)	567.61	Shear (lb/sq ft)	0.36	0.49	0.16
Alpha	1.05	Stream Power (lb/ft s)	0.61	1.01	0.16
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	26760.87	4320.67	5533.53
C & E Loss (ft)		Cum SA (acres)	192.54	24.10	86.14

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3329.98*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.79	500	658.78	650	656.03	700	653.91
950	638.3	1000	636.24	1100	629.3	1250	622.06	1350	622.06
1475	616.03	1950	616.03	2025	615.43	2300	609.95	2600	602.91
3000	601.5	3200	597.78	3400	593.97	3469.84	581.38	3539.69	567.6
3669.84	567.6	3739.69	600	3805.23	642	4045.53	710.13	4132.91	717.33
4263.98	725.35	4395.05	727.42	4427.82	729.92				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3739.69	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3739.69	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.26	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	458464.30	62428.99	43999.77
E.G. Slope (ft/ft)	0.000044	Area (sq ft)	458464.30	62428.99	43999.77
Q Total (cfs)	950419.60	Flow (cfs)	776876.40	129691.40	43851.86
Top Width (ft)	4427.82	Top Width (ft)	3400.00	339.69	688.13
Vel Total (ft/s)	1.68	Avg. Vel. (ft/s)	1.69	2.08	1.00
Max Chl Dpth (ft)	192.66	Hydr. Depth (ft)	134.84	183.78	63.94
Conv. Total (cfs)	143795200.0	Conv. (cfs)	117538700.0	19621850.0	6634634.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.16	349.31	740.89
Min Ch El (ft)	567.60	Shear (lb/sq ft)	0.36	0.49	0.16
Alpha	1.05	Stream Power (lb/ft s)	0.61	1.01	0.16
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	26708.35	4313.53	5528.49
C & E Loss (ft)		Cum SA (acres)	192.15	24.07	86.06

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3325.00*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.76	500	658.77	650	655.99	700	653.85
950	638.17	1000	636.11	1100	629.18	1250	621.98	1350	621.98
1475	615.99	1950	615.99	2025	615.39	2300	609.95	2600	602.94
3000	601.51	3200	597.81	3400	594.01	3470.04	581.4	3540.08	567.6
3670.04	567.6	3740.08	600	3805.84	642.18	4046.95	710.13	4134.63	717.38
4266.15	725.45	4397.67	727.5	4430.54	730.02				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3740.08	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3740.08	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.26	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	458555.10	62492.76	44093.61
E.G. Slope (ft/ft)	0.000044	Area (sq ft)	458555.10	62492.76	44093.61
Q Total (cfs)	950419.40	Flow (cfs)	776762.30	129757.90	43899.27
Top Width (ft)	4430.54	Top Width (ft)	3400.00	340.08	690.46
Vel Total (ft/s)	1.68	Avg. Vel. (ft/s)	1.69	2.08	1.00
Max Chl Dpth (ft)	192.66	Hydr. Depth (ft)	134.87	183.76	63.86
Conv. Total (cfs)	143863800.0	Conv. (cfs)	117577500.0	19641280.0	6644976.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.16	349.68	743.11
Min Ch El (ft)	567.60	Shear (lb/sq ft)	0.36	0.49	0.16
Alpha	1.05	Stream Power (lb/ft s)	0.61	1.01	0.16
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	26655.83	4306.37	5523.45
C & E Loss (ft)		Cum SA (acres)	191.76	24.03	85.98

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3320.02*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.73	500	658.75	650	655.95	700	653.8
950	638.04	1000	635.97	1100	629.05	1250	621.91	1350	621.91
1475	615.95	1950	615.95	2025	615.36	2300	609.95	2600	602.97
3000	601.53	3200	597.83	3400	594.05	3470.23	581.43	3540.47	567.6
3670.23	567.6	3740.47	600	3806.45	642.36	4048.38	710.13	4136.35	717.43
4268.32	725.54	4400.28	727.58	4433.27	730.12				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3740.47	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3740.47	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.26	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	458643.80	62555.76	44189.14
E.G. Slope (ft/ft)	0.000044	Area (sq ft)	458643.80	62555.76	44189.14
Q Total (cfs)	950419.40	Flow (cfs)	776647.30	129822.70	43949.35
Top Width (ft)	4433.27	Top Width (ft)	3400.00	340.47	692.80
Vel Total (ft/s)	1.68	Avg. Vel. (ft/s)	1.69	2.08	0.99
Max Chl Dpth (ft)	192.66	Hydr. Depth (ft)	134.90	183.73	63.78
Conv. Total (cfs)	143931500.0	Conv. (cfs)	117615400.0	19660340.0	6655687.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.16	350.06	745.34
Min Ch El (ft)	567.60	Shear (lb/sq ft)	0.36	0.49	0.16
Alpha	1.05	Stream Power (lb/ft s)	0.61	1.01	0.16
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	26603.29	4299.21	5518.39
C & E Loss (ft)		Cum SA (acres)	191.37	23.99	85.90

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3315.04*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.7	500	658.74	650	655.91	700	653.74
950	637.91	1000	635.84	1100	628.93	1250	621.83	1350	621.83
1475	615.91	1950	615.91	2025	615.32	2300	609.95	2600	603
3000	601.54	3200	597.86	3400	594.09	3470.43	581.45	3540.86	567.59
3670.43	567.59	3740.86	600	3807.06	642.54	4049.81	710.14	4138.08	717.48
4270.48	725.64	4402.89	727.66	4435.99	730.21				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3740.86	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3740.86	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.26	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	458734.80	62621.50	44281.19
E.G. Slope (ft/ft)	0.000044	Area (sq ft)	458734.80	62621.50	44281.19
Q Total (cfs)	950419.30	Flow (cfs)	776532.10	129894.00	43993.18
Top Width (ft)	4435.99	Top Width (ft)	3400.00	340.86	695.13
Vel Total (ft/s)	1.68	Avg. Vel. (ft/s)	1.69	2.07	0.99
Max Chl Dpth (ft)	192.67	Hydr. Depth (ft)	134.92	183.72	63.70
Conv. Total (cfs)	144000400.0	Conv. (cfs)	117654400.0	19680570.0	6665518.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.16	350.44	747.57
Min Ch El (ft)	567.59	Shear (lb/sq ft)	0.36	0.49	0.16
Alpha	1.05	Stream Power (lb/ft s)	0.61	1.01	0.16
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	26550.75	4292.04	5513.32
C & E Loss (ft)		Cum SA (acres)	190.98	23.95	85.82

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3310.06*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.67	500	658.73	650	655.88	700	653.68
950	637.78	1000	635.7	1100	628.8	1250	621.75	1350	621.75
1475	615.88	1950	615.88	2025	615.29	2300	609.95	2600	603.02
3000	601.56	3200	597.89	3400	594.12	3470.62	581.47	3541.25	567.59
3670.62	567.59	3741.25	600	3807.67	642.72	4051.23	710.14	4139.8	717.53
4272.65	725.73	4405.5	727.75	4438.72	730.31				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3741.25	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3741.25	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.26	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	458820.80	62685.53	44374.77
E.G. Slope (ft/ft)	0.000044	Area (sq ft)	458820.80	62685.53	44374.77
Q Total (cfs)	950419.10	Flow (cfs)	776415.30	129963.60	44040.28
Top Width (ft)	4438.72	Top Width (ft)	3400.00	341.25	697.47
Vel Total (ft/s)	1.68	Avg. Vel. (ft/s)	1.69	2.07	0.99
Max Chl Dpth (ft)	192.67	Hydr. Depth (ft)	134.95	183.69	63.62
Conv. Total (cfs)	144067100.0	Conv. (cfs)	117691100.0	19700230.0	6675746.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.15	350.81	749.80
Min Ch El (ft)	567.59	Shear (lb/sq ft)	0.36	0.49	0.16
Alpha	1.05	Stream Power (lb/ft s)	0.61	1.01	0.16
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	26498.20	4284.86	5508.25
C & E Loss (ft)		Cum SA (acres)	190.59	23.91	85.74

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3305.08*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.64	500	658.72	650	655.84	700	653.62
950	637.65	1000	635.57	1100	628.68	1250	621.67	1350	621.67
1475	615.84	1950	615.84	2025	615.25	2300	609.95	2600	603.05
3000	601.57	3200	597.91	3400	594.16	3470.82	581.5	3541.63	567.58
3670.82	567.58	3741.63	600	3808.28	642.9	4052.66	710.14	4141.52	717.58
4274.82	725.83	4408.12	727.83	4441.44	730.41				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3741.63	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3741.63	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.26	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	458913.70	62748.81	44468.95
E.G. Slope (ft/ft)	0.000043	Area (sq ft)	458913.70	62748.81	44468.95
Q Total (cfs)	950419.00	Flow (cfs)	776303.40	130028.00	44087.55
Top Width (ft)	4441.44	Top Width (ft)	3400.00	341.63	699.81
Vel Total (ft/s)	1.68	Avg. Vel. (ft/s)	1.69	2.07	0.99
Max Chl Dpth (ft)	192.68	Hydr. Depth (ft)	134.97	183.67	63.54
Conv. Total (cfs)	144136500.0	Conv. (cfs)	117730900.0	19719500.0	6686133.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.15	351.18	752.03
Min Ch El (ft)	567.58	Shear (lb/sq ft)	0.36	0.49	0.16
Alpha	1.05	Stream Power (lb/ft s)	0.61	1.01	0.16
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	26445.63	4277.68	5503.16
C & E Loss (ft)		Cum SA (acres)	190.20	23.87	85.66

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3300.10*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.61	500	658.71	650	655.8	700	653.56
950	637.52	1000	635.43	1100	628.55	1250	621.6	1350	621.6
1475	615.8	1950	615.8	2025	615.22	2300	609.95	2600	603.08
3000	601.59	3200	597.94	3400	594.2	3471.01	581.52	3542.02	567.58
3671.01	567.58	3742.02	600	3808.89	643.08	4054.09	710.14	4143.25	717.63
4276.99	725.92	4410.73	727.91	4444.16	730.51				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3742.02	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3742.02	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.25	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	458999.30	62812.46	44562.71
E.G. Slope (ft/ft)	0.000043	Area (sq ft)	458999.30	62812.46	44562.71
Q Total (cfs)	950418.90	Flow (cfs)	776187.60	130096.00	44135.38
Top Width (ft)	4444.16	Top Width (ft)	3400.00	342.02	702.14
Vel Total (ft/s)	1.68	Avg. Vel. (ft/s)	1.69	2.07	0.99
Max Chl Dpth (ft)	192.67	Hydr. Depth (ft)	135.00	183.65	63.47
Conv. Total (cfs)	144202900.0	Conv. (cfs)	117767500.0	19738890.0	6696469.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.15	351.55	754.25
Min Ch El (ft)	567.58	Shear (lb/sq ft)	0.36	0.48	0.16
Alpha	1.05	Stream Power (lb/ft s)	0.60	1.00	0.16
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	26393.05	4270.48	5498.06
C & E Loss (ft)		Cum SA (acres)	189.81	23.83	85.58

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3295.12*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.57	500	658.7	650	655.76	700	653.5
950	637.39	1000	635.3	1100	628.43	1250	621.52	1350	621.52
1475	615.76	1950	615.76	2025	615.18	2300	609.95	2600	603.11
3000	601.6	3200	597.97	3400	594.24	3471.21	581.54	3542.41	567.58
3671.21	567.58	3742.41	600	3809.51	643.26	4055.51	710.14	4144.97	717.68
4279.15	726.01	4413.34	727.99	4446.89	730.6				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3742.41	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3742.41	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.25	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	459092.80	62876.12	44656.71
E.G. Slope (ft/ft)	0.000043	Area (sq ft)	459092.80	62876.12	44656.71
Q Total (cfs)	950418.80	Flow (cfs)	776076.30	130160.70	44181.84
Top Width (ft)	4446.89	Top Width (ft)	3400.00	342.41	704.48
Vel Total (ft/s)	1.68	Avg. Vel. (ft/s)	1.69	2.07	0.99
Max Chl Dpth (ft)	192.67	Hydr. Depth (ft)	135.03	183.63	63.39
Conv. Total (cfs)	144272500.0	Conv. (cfs)	117807500.0	19758250.0	6706756.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.15	351.92	756.49
Min Ch El (ft)	567.58	Shear (lb/sq ft)	0.36	0.48	0.16
Alpha	1.05	Stream Power (lb/ft s)	0.60	1.00	0.16
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	26340.47	4263.29	5492.95
C & E Loss (ft)		Cum SA (acres)	189.43	23.79	85.50

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3290.14*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.54	500	658.68	650	655.72	700	653.44
950	637.26	1000	635.16	1100	628.3	1250	621.44	1350	621.44
1475	615.72	1950	615.72	2025	615.15	2300	609.95	2600	603.14
3000	601.62	3200	598	3400	594.28	3471.4	581.57	3542.8	567.57
3671.4	567.57	3742.8	600	3810.12	643.44	4056.94	710.14	4146.69	717.73
4281.32	726.11	4415.95	728.07	4449.61	730.7				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3742.8	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3742.8	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.25	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	459183.40	62941.04	44748.36
E.G. Slope (ft/ft)	0.000043	Area (sq ft)	459183.40	62941.04	44748.36
Q Total (cfs)	950418.70	Flow (cfs)	775963.80	130229.50	44225.49
Top Width (ft)	4449.61	Top Width (ft)	3400.00	342.80	706.81
Vel Total (ft/s)	1.68	Avg. Vel. (ft/s)	1.69	2.07	0.99
Max Chl Dpth (ft)	192.68	Hydr. Depth (ft)	135.05	183.61	63.31
Conv. Total (cfs)	144340900.0	Conv. (cfs)	117846300.0	19778070.0	6716566.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.15	352.30	758.71
Min Ch El (ft)	567.57	Shear (lb/sq ft)	0.36	0.48	0.16
Alpha	1.05	Stream Power (lb/ft s)	0.60	1.00	0.16
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	26287.87	4256.08	5487.83
C & E Loss (ft)		Cum SA (acres)	189.04	23.75	85.42

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3285.16*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.51	500	658.67	650	655.68	700	653.38
950	637.13	1000	635.03	1100	628.18	1250	621.36	1350	621.36
1475	615.68	1950	615.68	2025	615.11	2300	609.95	2600	603.17
3000	601.63	3200	598.02	3400	594.32	3471.6	581.59	3543.19	567.57
3671.6	567.57	3743.19	600	3810.73	643.62	4058.37	710.14	4148.42	717.78
4283.49	726.2	4418.57	728.15	4452.33	730.8				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3743.19	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3743.19	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.25	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	459276.30	63004.66	44841.13
E.G. Slope (ft/ft)	0.000043	Area (sq ft)	459276.30	63004.66	44841.13
Q Total (cfs)	950418.60	Flow (cfs)	775853.70	130294.30	44270.68
Top Width (ft)	4452.33	Top Width (ft)	3400.00	343.19	709.14
Vel Total (ft/s)	1.68	Avg. Vel. (ft/s)	1.69	2.07	0.99
Max Chl Dpth (ft)	192.68	Hydr. Depth (ft)	135.08	183.59	63.23
Conv. Total (cfs)	144410200.0	Conv. (cfs)	117886100.0	19797400.0	6726654.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.15	352.68	760.94
Min Ch El (ft)	567.57	Shear (lb/sq ft)	0.36	0.48	0.16
Alpha	1.05	Stream Power (lb/ft s)	0.60	1.00	0.16
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	26235.27	4248.87	5482.70
C & E Loss (ft)		Cum SA (acres)	188.65	23.71	85.34

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3280.17*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.48	500	658.66	650	655.64	700	653.32
950	636.99	1000	634.89	1100	628.05	1250	621.28	1350	621.28
1475	615.64	1950	615.64	2025	615.08	2300	609.95	2600	603.2
3000	601.65	3200	598.05	3400	594.36	3471.79	581.61	3543.58	567.56
3671.79	567.56	3743.58	600	3811.34	643.8	4059.79	710.15	4150.14	717.83
4285.66	726.3	4421.18	728.23	4455.06	730.89				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3743.58	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3743.58	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.25	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	459366.00	63070.28	44930.46
E.G. Slope (ft/ft)	0.000043	Area (sq ft)	459366.00	63070.28	44930.46
Q Total (cfs)	950418.50	Flow (cfs)	775742.70	130366.00	44309.87
Top Width (ft)	4455.06	Top Width (ft)	3400.00	343.58	711.48
Vel Total (ft/s)	1.68	Avg. Vel. (ft/s)	1.69	2.07	0.99
Max Chl Dpth (ft)	192.69	Hydr. Depth (ft)	135.11	183.57	63.15
Conv. Total (cfs)	144477800.0	Conv. (cfs)	117924500.0	19817580.0	6735763.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.15	353.05	763.18
Min Ch El (ft)	567.56	Shear (lb/sq ft)	0.36	0.48	0.16
Alpha	1.05	Stream Power (lb/ft s)	0.60	1.00	0.16
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	26182.65	4241.64	5477.55
C & E Loss (ft)		Cum SA (acres)	188.26	23.67	85.26

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3275.19*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.45	500	658.65	650	655.6	700	653.26
950	636.86	1000	634.76	1100	627.93	1250	621.21	1350	621.21
1475	615.6	1950	615.6	2025	615.04	2300	609.95	2600	603.22
3000	601.66	3200	598.08	3400	594.4	3471.98	581.64	3543.97	567.56
3671.98	567.56	3743.97	600	3811.95	643.99	4061.22	710.15	4151.86	717.88
4287.83	726.39	4423.79	728.31	4457.78	730.99				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3743.97	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3743.97	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.25	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	459457.90	63133.09	45020.74
E.G. Slope (ft/ft)	0.000043	Area (sq ft)	459457.90	63133.09	45020.74
Q Total (cfs)	950418.40	Flow (cfs)	775637.80	130429.30	44351.29
Top Width (ft)	4457.78	Top Width (ft)	3400.00	343.97	713.81
Vel Total (ft/s)	1.67	Avg. Vel. (ft/s)	1.69	2.07	0.99
Max Chl Dpth (ft)	192.69	Hydr. Depth (ft)	135.13	183.54	63.07
Conv. Total (cfs)	144545600.0	Conv. (cfs)	117963800.0	19836510.0	6745222.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.15	353.43	765.41
Min Ch El (ft)	567.56	Shear (lb/sq ft)	0.36	0.48	0.16
Alpha	1.05	Stream Power (lb/ft s)	0.60	1.00	0.16
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	26130.02	4234.42	5472.40
C & E Loss (ft)		Cum SA (acres)	187.87	23.64	85.18

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3270.21*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.42	500	658.64	650	655.56	700	653.2
950	636.73	1000	634.62	1100	627.81	1250	621.13	1350	621.13
1475	615.56	1950	615.56	2025	615.01	2300	609.95	2600	603.25
3000	601.68	3200	598.11	3400	594.44	3472.18	581.66	3544.36	567.56
3672.18	567.56	3744.36	600	3812.56	644.17	4062.65	710.15	4153.58	717.93
4289.99	726.49	4426.4	728.39	4460.51	731.09				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3744.36	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3744.36	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.25	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	459544.90	63196.70	45111.17
E.G. Slope (ft/ft)	0.000043	Area (sq ft)	459544.90	63196.70	45111.17
Q Total (cfs)	950418.30	Flow (cfs)	775528.40	130496.70	44393.18
Top Width (ft)	4460.51	Top Width (ft)	3400.00	344.36	716.15
Vel Total (ft/s)	1.67	Avg. Vel. (ft/s)	1.69	2.06	0.98
Max Chl Dpth (ft)	192.69	Hydr. Depth (ft)	135.16	183.52	62.99
Conv. Total (cfs)	144611600.0	Conv. (cfs)	118001100.0	19855820.0	6754676.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.14	353.80	767.64
Min Ch El (ft)	567.56	Shear (lb/sq ft)	0.36	0.48	0.16
Alpha	1.05	Stream Power (lb/ft s)	0.60	0.99	0.16
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	26077.38	4227.18	5467.24
C & E Loss (ft)		Cum SA (acres)	187.48	23.60	85.09

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3265.23*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.39	500	658.62	650	655.53	700	653.14
950	636.6	1000	634.49	1100	627.68	1250	621.05	1350	621.05
1475	615.53	1950	615.53	2025	614.97	2300	609.95	2600	603.28
3000	601.69	3200	598.13	3400	594.47	3472.37	581.68	3544.75	567.55
3672.37	567.55	3744.75	600	3813.17	644.35	4064.07	710.15	4155.31	717.97
4292.16	726.58	4429.02	728.48	4463.23	731.19				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3744.75	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3744.75	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.25	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	459636.10	63262.63	45202.48
E.G. Slope (ft/ft)	0.000043	Area (sq ft)	459636.10	63262.63	45202.48
Q Total (cfs)	950418.20	Flow (cfs)	775413.90	130568.30	44435.92
Top Width (ft)	4463.23	Top Width (ft)	3400.00	344.75	718.48
Vel Total (ft/s)	1.67	Avg. Vel. (ft/s)	1.69	2.06	0.98
Max Chl Dpth (ft)	192.70	Hydr. Depth (ft)	135.19	183.50	62.91
Conv. Total (cfs)	144680800.0	Conv. (cfs)	118040100.0	19876230.0	6764415.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.14	354.18	769.87
Min Ch El (ft)	567.55	Shear (lb/sq ft)	0.36	0.48	0.16
Alpha	1.05	Stream Power (lb/ft s)	0.60	0.99	0.16
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	26024.73	4219.94	5462.07
C & E Loss (ft)		Cum SA (acres)	187.09	23.56	85.01

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3260.25*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.35	500	658.61	650	655.49	700	653.08
950	636.47	1000	634.35	1100	627.56	1250	620.97	1350	620.97
1475	615.49	1950	615.49	2025	614.94	2300	609.95	2600	603.31
3000	601.71	3200	598.16	3400	594.51	3472.57	581.71	3545.14	567.55
3672.57	567.55	3745.14	600	3813.79	644.53	4065.5	710.15	4157.03	718.02
4294.33	726.68	4431.63	728.56	4465.95	731.28				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3745.14	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3745.14	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.25	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	459725.40	63325.41	45292.62
E.G. Slope (ft/ft)	0.000043	Area (sq ft)	459725.40	63325.41	45292.62
Q Total (cfs)	950418.10	Flow (cfs)	775308.70	130632.30	44477.19
Top Width (ft)	4465.95	Top Width (ft)	3400.00	345.14	720.81
Vel Total (ft/s)	1.67	Avg. Vel. (ft/s)	1.69	2.06	0.98
Max Chl Dpth (ft)	192.70	Hydr. Depth (ft)	135.21	183.48	62.84
Conv. Total (cfs)	144747300.0	Conv. (cfs)	118078400.0	19895100.0	6773810.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.14	354.55	772.10
Min Ch El (ft)	567.55	Shear (lb/sq ft)	0.36	0.48	0.16
Alpha	1.05	Stream Power (lb/ft s)	0.60	0.99	0.16
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	25972.08	4212.69	5456.88
C & E Loss (ft)		Cum SA (acres)	186.70	23.52	84.93

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3255.27*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.32	500	658.6	650	655.45	700	653.02
950	636.34	1000	634.22	1100	627.43	1250	620.89	1350	620.89
1475	615.45	1950	615.45	2025	614.9	2300	609.95	2600	603.34
3000	601.72	3200	598.19	3400	594.55	3472.76	581.73	3545.53	567.54
3672.76	567.54	3745.53	600	3814.4	644.71	4066.93	710.15	4158.75	718.07
4296.5	726.77	4434.24	728.64	4468.68	731.38				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3745.53	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3745.53	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.25	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	459817.60	63390.95	45383.34
E.G. Slope (ft/ft)	0.000043	Area (sq ft)	459817.60	63390.95	45383.34
Q Total (cfs)	950418.00	Flow (cfs)	775197.60	130701.90	44518.55
Top Width (ft)	4468.68	Top Width (ft)	3400.00	345.53	723.15
Vel Total (ft/s)	1.67	Avg. Vel. (ft/s)	1.69	2.06	0.98
Max Chl Dpth (ft)	192.71	Hydr. Depth (ft)	135.24	183.46	62.76
Conv. Total (cfs)	144816400.0	Conv. (cfs)	118117800.0	19915220.0	6783349.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.14	354.93	774.34
Min Ch El (ft)	567.54	Shear (lb/sq ft)	0.36	0.48	0.16
Alpha	1.06	Stream Power (lb/ft s)	0.60	0.99	0.15
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	25919.41	4205.43	5451.69
C & E Loss (ft)		Cum SA (acres)	186.31	23.48	84.85

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3250.29*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.29	500	658.59	650	655.41	700	652.96
950	636.21	1000	634.08	1100	627.31	1250	620.82	1350	620.82
1475	615.41	1950	615.41	2025	614.87	2300	609.95	2600	603.37
3000	601.73	3200	598.21	3400	594.59	3472.96	581.75	3545.91	567.54
3672.96	567.54	3745.91	600	3815.01	644.89	4068.35	710.15	4160.48	718.12
4298.67	726.86	4436.85	728.72	4471.4	731.48				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3745.91	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3745.91	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.25	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	459907.20	63452.75	45474.57
E.G. Slope (ft/ft)	0.000043	Area (sq ft)	459907.20	63452.75	45474.57
Q Total (cfs)	950417.90	Flow (cfs)	775092.10	130764.30	44561.48
Top Width (ft)	4471.40	Top Width (ft)	3400.00	345.91	725.49
Vel Total (ft/s)	1.67	Avg. Vel. (ft/s)	1.69	2.06	0.98
Max Chl Dpth (ft)	192.71	Hydr. Depth (ft)	135.27	183.44	62.68
Conv. Total (cfs)	144883200.0	Conv. (cfs)	118156200.0	19933920.0	6793023.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.14	355.30	776.57
Min Ch El (ft)	567.54	Shear (lb/sq ft)	0.35	0.48	0.16
Alpha	1.06	Stream Power (lb/ft s)	0.60	0.99	0.15
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	25866.73	4198.16	5446.48
C & E Loss (ft)		Cum SA (acres)	185.92	23.44	84.76

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3245.31*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.26	500	658.58	650	655.37	700	652.9
950	636.08	1000	633.95	1100	627.18	1250	620.74	1350	620.74
1475	615.37	1950	615.37	2025	614.83	2300	609.95	2600	603.4
3000	601.75	3200	598.24	3400	594.63	3473.15	581.78	3546.3	567.54
3673.15	567.54	3746.3	600	3815.62	645.07	4069.78	710.15	4162.2	718.17
4300.83	726.96	4439.47	728.8	4474.12	731.58				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3746.3	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3746.3	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.25	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	459996.40	63515.51	45562.88
E.G. Slope (ft/ft)	0.000043	Area (sq ft)	459996.40	63515.51	45562.88
Q Total (cfs)	950417.80	Flow (cfs)	774989.10	130828.50	44600.15
Top Width (ft)	4474.12	Top Width (ft)	3400.00	346.30	727.82
Vel Total (ft/s)	1.67	Avg. Vel. (ft/s)	1.68	2.06	0.98
Max Chl Dpth (ft)	192.71	Hydr. Depth (ft)	135.29	183.41	62.60
Conv. Total (cfs)	144949300.0	Conv. (cfs)	118194400.0	19952800.0	6802018.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.14	355.67	778.80
Min Ch El (ft)	567.54	Shear (lb/sq ft)	0.35	0.48	0.16
Alpha	1.06	Stream Power (lb/ft s)	0.60	0.99	0.15
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	25814.04	4190.89	5441.27
C & E Loss (ft)		Cum SA (acres)	185.53	23.40	84.68

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3240.33*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.23	500	658.56	650	655.33	700	652.84
950	635.95	1000	633.81	1100	627.06	1250	620.66	1350	620.66
1475	615.33	1950	615.33	2025	614.8	2300	609.95	2600	603.42
3000	601.76	3200	598.27	3400	594.67	3473.35	581.8	3546.69	567.53
3673.35	567.53	3746.69	600	3816.23	645.25	4071.21	710.16	4163.92	718.22
4303	727.05	4442.08	728.88	4476.85	731.67				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3746.69	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3746.69	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.25	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	460092.30	63580.97	45650.99
E.G. Slope (ft/ft)	0.000043	Area (sq ft)	460092.30	63580.97	45650.99
Q Total (cfs)	950417.70	Flow (cfs)	774884.40	130896.80	44636.52
Top Width (ft)	4476.85	Top Width (ft)	3400.00	346.69	730.16
Vel Total (ft/s)	1.67	Avg. Vel. (ft/s)	1.68	2.06	0.98
Max Chl Dpth (ft)	192.72	Hydr. Depth (ft)	135.32	183.39	62.52
Conv. Total (cfs)	145019200.0	Conv. (cfs)	118235500.0	19972850.0	6810851.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.14	356.05	781.05
Min Ch El (ft)	567.53	Shear (lb/sq ft)	0.35	0.48	0.16
Alpha	1.06	Stream Power (lb/ft s)	0.60	0.99	0.15
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	25761.34	4183.61	5436.05
C & E Loss (ft)		Cum SA (acres)	185.14	23.36	84.60

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3235.35*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.2	500	658.55	650	655.29	700	652.78
950	635.82	1000	633.68	1100	626.93	1250	620.58	1350	620.58
1475	615.29	1950	615.29	2025	614.76	2300	609.95	2600	603.45
3000	601.78	3200	598.3	3400	594.71	3473.54	581.82	3547.08	567.53
3673.54	567.53	3747.08	600	3816.84	645.43	4072.63	710.16	4165.65	718.27
4305.17	727.15	4444.69	728.96	4479.57	731.77				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3747.08	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3747.08	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.25	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	460181.50	63644.43	45738.29
E.G. Slope (ft/ft)	0.000043	Area (sq ft)	460181.50	63644.43	45738.29
Q Total (cfs)	950417.60	Flow (cfs)	774781.00	130963.10	44673.48
Top Width (ft)	4479.57	Top Width (ft)	3400.00	347.08	732.49
Vel Total (ft/s)	1.67	Avg. Vel. (ft/s)	1.68	2.06	0.98
Max Chl Dpth (ft)	192.72	Hydr. Depth (ft)	135.35	183.37	62.44
Conv. Total (cfs)	145085400.0	Conv. (cfs)	118273700.0	19992100.0	6819603.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.14	356.43	783.28
Min Ch El (ft)	567.53	Shear (lb/sq ft)	0.35	0.48	0.16
Alpha	1.06	Stream Power (lb/ft s)	0.60	0.98	0.15
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	25708.63	4176.32	5430.81
C & E Loss (ft)		Cum SA (acres)	184.75	23.32	84.51

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3230.37*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.17	500	658.54	650	655.25	700	652.72
950	635.68	1000	633.54	1100	626.81	1250	620.51	1350	620.51
1475	615.25	1950	615.25	2025	614.73	2300	609.95	2600	603.48
3000	601.79	3200	598.32	3400	594.75	3473.74	581.85	3547.47	567.53
3673.74	567.53	3747.47	600	3817.45	645.61	4074.06	710.16	4167.37	718.32
4307.34	727.24	4447.3	729.04	4482.3	731.87				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3747.47	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3747.47	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.25	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	460272.40	63707.11	45827.20
E.G. Slope (ft/ft)	0.000043	Area (sq ft)	460272.40	63707.11	45827.20
Q Total (cfs)	950417.40	Flow (cfs)	774679.00	131025.90	44712.49
Top Width (ft)	4482.30	Top Width (ft)	3400.00	347.47	734.83
Vel Total (ft/s)	1.67	Avg. Vel. (ft/s)	1.68	2.06	0.98
Max Chl Dpth (ft)	192.72	Hydr. Depth (ft)	135.37	183.35	62.36
Conv. Total (cfs)	145152300.0	Conv. (cfs)	118312700.0	20010900.0	6828704.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.14	356.80	785.52
Min Ch El (ft)	567.53	Shear (lb/sq ft)	0.35	0.48	0.16
Alpha	1.06	Stream Power (lb/ft s)	0.60	0.98	0.15
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	25655.90	4169.03	5425.57
C & E Loss (ft)		Cum SA (acres)	184.36	23.28	84.43

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3225.39*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.13	500	658.53	650	655.21	700	652.66
950	635.55	1000	633.41	1100	626.68	1250	620.43	1350	620.43
1475	615.21	1950	615.21	2025	614.69	2300	609.95	2600	603.51
3000	601.81	3200	598.35	3400	594.79	3473.93	581.87	3547.86	567.52
3673.93	567.52	3747.86	600	3818.07	645.79	4075.49	710.16	4169.09	718.37
4309.5	727.34	4449.92	729.13	4485.02	731.96				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3747.86	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3747.86	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.25	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	460364.50	63772.59	45913.95
E.G. Slope (ft/ft)	0.000043	Area (sq ft)	460364.50	63772.59	45913.95
Q Total (cfs)	950417.40	Flow (cfs)	774573.90	131095.80	44747.68
Top Width (ft)	4485.02	Top Width (ft)	3400.00	347.86	737.16
Vel Total (ft/s)	1.67	Avg. Vel. (ft/s)	1.68	2.06	0.97
Max Chl Dpth (ft)	192.73	Hydr. Depth (ft)	135.40	183.33	62.28
Conv. Total (cfs)	145220400.0	Conv. (cfs)	118352100.0	20030970.0	6837286.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.14	357.18	787.76
Min Ch El (ft)	567.52	Shear (lb/sq ft)	0.35	0.48	0.16
Alpha	1.06	Stream Power (lb/ft s)	0.59	0.98	0.15
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	25603.17	4161.73	5420.31
C & E Loss (ft)		Cum SA (acres)	183.97	23.24	84.34

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3220.41*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.1	500	658.52	650	655.18	700	652.6
950	635.42	1000	633.27	1100	626.56	1250	620.35	1350	620.35
1475	615.18	1950	615.18	2025	614.66	2300	609.96	2600	603.54
3000	601.82	3200	598.38	3400	594.82	3474.12	581.89	3548.25	567.52
3674.12	567.52	3748.25	600	3818.68	645.97	4076.91	710.16	4170.82	718.42
4311.67	727.43	4452.53	729.21	4487.74	732.06				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3748.25	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3748.25	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.25	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	460445.90	63836.32	46001.60
E.G. Slope (ft/ft)	0.000043	Area (sq ft)	460445.90	63836.32	46001.60
Q Total (cfs)	950417.30	Flow (cfs)	774465.10	131166.10	44786.10
Top Width (ft)	4487.74	Top Width (ft)	3400.00	348.25	739.49
Vel Total (ft/s)	1.67	Avg. Vel. (ft/s)	1.68	2.05	0.97
Max Chl Dpth (ft)	192.73	Hydr. Depth (ft)	135.43	183.31	62.21
Conv. Total (cfs)	145283600.0	Conv. (cfs)	118387000.0	20050430.0	6846135.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.14	357.55	789.99
Min Ch El (ft)	567.52	Shear (lb/sq ft)	0.35	0.48	0.16
Alpha	1.06	Stream Power (lb/ft s)	0.59	0.98	0.15
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	25550.43	4154.42	5415.05
C & E Loss (ft)		Cum SA (acres)	183.58	23.20	84.26

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3215.43*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.07	500	658.5	650	655.14	700	652.54
950	635.29	1000	633.14	1100	626.44	1250	620.27	1350	620.27
1475	615.14	1950	615.14	2025	614.62	2300	609.96	2600	603.57
3000	601.84	3200	598.4	3400	594.86	3474.32	581.92	3548.64	567.51
3674.32	567.51	3748.64	600	3819.29	646.15	4078.34	710.16	4172.54	718.47
4313.84	727.53	4455.14	729.29	4490.47	732.16				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3748.64	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3748.64	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.25	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	460537.90	63900.95	46088.00
E.G. Slope (ft/ft)	0.000043	Area (sq ft)	460537.90	63900.95	46088.00
Q Total (cfs)	950417.10	Flow (cfs)	774363.10	131233.30	44820.78
Top Width (ft)	4490.47	Top Width (ft)	3400.00	348.64	741.83
Vel Total (ft/s)	1.67	Avg. Vel. (ft/s)	1.68	2.05	0.97
Max Chl Dpth (ft)	192.74	Hydr. Depth (ft)	135.45	183.29	62.13
Conv. Total (cfs)	145351100.0	Conv. (cfs)	118426400.0	20070020.0	6854620.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.14	357.93	792.23
Min Ch El (ft)	567.51	Shear (lb/sq ft)	0.35	0.48	0.16
Alpha	1.06	Stream Power (lb/ft s)	0.59	0.98	0.15
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	25497.68	4147.10	5409.77
C & E Loss (ft)		Cum SA (acres)	183.19	23.16	84.18

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3210.45*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.04	500	658.49	650	655.1	700	652.48
950	635.16	1000	633	1100	626.31	1250	620.19	1350	620.19
1475	615.1	1950	615.1	2025	614.59	2300	609.96	2600	603.6
3000	601.85	3200	598.43	3400	594.9	3474.51	581.94	3549.03	567.51
3674.51	567.51	3749.03	600	3819.9	646.33	4079.77	710.16	4174.26	718.52
4316.01	727.62	4457.75	729.37	4493.19	732.26				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3749.03	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3749.03	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.25	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	460629.20	63964.33	46175.13
E.G. Slope (ft/ft)	0.000043	Area (sq ft)	460629.20	63964.33	46175.13
Q Total (cfs)	950417.10	Flow (cfs)	774261.80	131298.20	44857.19
Top Width (ft)	4493.19	Top Width (ft)	3400.00	349.03	744.16
Vel Total (ft/s)	1.67	Avg. Vel. (ft/s)	1.68	2.05	0.97
Max Chl Dpth (ft)	192.74	Hydr. Depth (ft)	135.48	183.26	62.05
Conv. Total (cfs)	145418100.0	Conv. (cfs)	118465600.0	20089210.0	6863353.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.14	358.31	794.46
Min Ch El (ft)	567.51	Shear (lb/sq ft)	0.35	0.48	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.59	0.98	0.15
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	25444.92	4139.78	5404.49
C & E Loss (ft)		Cum SA (acres)	182.80	23.12	84.09

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3205.47*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	676.01	500	658.48	650	655.06	700	652.42
950	635.03	1000	632.87	1100	626.19	1250	620.12	1350	620.12
1475	615.06	1950	615.06	2025	614.55	2300	609.96	2600	603.62
3000	601.87	3200	598.46	3400	594.94	3474.71	581.96	3549.42	567.51
3674.71	567.51	3749.42	600	3820.51	646.51	4081.19	710.16	4175.99	718.57
4318.18	727.72	4460.37	729.45	4495.91	732.35				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3749.42	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3749.42	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.25	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	460718.30	64027.68	46260.50
E.G. Slope (ft/ft)	0.000043	Area (sq ft)	460718.30	64027.68	46260.50
Q Total (cfs)	950416.90	Flow (cfs)	774162.10	131364.00	44890.78
Top Width (ft)	4495.91	Top Width (ft)	3400.00	349.42	746.49
Vel Total (ft/s)	1.66	Avg. Vel. (ft/s)	1.68	2.05	0.97
Max Chl Dpth (ft)	192.74	Hydr. Depth (ft)	135.51	183.24	61.97
Conv. Total (cfs)	145483700.0	Conv. (cfs)	118503700.0	20108360.0	6871591.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.14	358.68	796.70
Min Ch El (ft)	567.51	Shear (lb/sq ft)	0.35	0.48	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.59	0.98	0.15
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	25392.14	4132.45	5399.19
C & E Loss (ft)		Cum SA (acres)	182.41	23.08	84.00

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3200.49*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.98	500	658.47	650	655.02	700	652.36
950	634.9	1000	632.73	1100	626.06	1250	620.04	1350	620.04
1475	615.02	1950	615.02	2025	614.52	2300	609.96	2600	603.65
3000	601.88	3200	598.49	3400	594.98	3474.9	581.99	3549.81	567.5
3674.9	567.5	3749.81	600	3821.12	646.7	4082.62	710.17	4177.71	718.62
4320.34	727.81	4462.98	729.53	4498.64	732.45				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3749.81	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3749.81	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.24	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	460809.50	64092.29	46343.71
E.G. Slope (ft/ft)	0.000043	Area (sq ft)	460809.50	64092.29	46343.71
Q Total (cfs)	950416.90	Flow (cfs)	774064.30	131432.10	44920.50
Top Width (ft)	4498.64	Top Width (ft)	3400.00	349.81	748.83
Vel Total (ft/s)	1.66	Avg. Vel. (ft/s)	1.68	2.05	0.97
Max Chl Dpth (ft)	192.74	Hydr. Depth (ft)	135.53	183.22	61.89
Conv. Total (cfs)	145550100.0	Conv. (cfs)	118542800.0	20127960.0	6879278.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.14	359.06	798.95
Min Ch El (ft)	567.50	Shear (lb/sq ft)	0.35	0.48	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.59	0.97	0.15
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	25339.36	4125.11	5393.89
C & E Loss (ft)		Cum SA (acres)	182.03	23.04	83.92

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3195.51*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.95	500	658.46	650	654.98	700	652.3
950	634.77	1000	632.6	1100	625.94	1250	619.96	1350	619.96
1475	614.98	1950	614.98	2025	614.48	2300	609.96	2600	603.68
3000	601.9	3200	598.51	3400	595.02	3475.1	582.01	3550.19	567.5
3675.1	567.5	3750.19	600	3821.73	646.88	4084.05	710.17	4179.43	718.67
4322.51	727.9	4465.59	729.61	4501.36	732.55				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3750.19	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3750.19	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.24	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	460899.50	64153.91	46431.17
E.G. Slope (ft/ft)	0.000043	Area (sq ft)	460899.50	64153.91	46431.17
Q Total (cfs)	950416.80	Flow (cfs)	773965.60	131493.80	44957.44
Top Width (ft)	4501.36	Top Width (ft)	3400.00	350.19	751.17
Vel Total (ft/s)	1.66	Avg. Vel. (ft/s)	1.68	2.05	0.97
Max Chl Dpth (ft)	192.74	Hydr. Depth (ft)	135.56	183.20	61.81
Conv. Total (cfs)	145616000.0	Conv. (cfs)	118581400.0	20146530.0	6888053.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.14	359.43	801.19
Min Ch El (ft)	567.50	Shear (lb/sq ft)	0.35	0.47	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.59	0.97	0.15
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	25286.57	4117.76	5388.58
C & E Loss (ft)		Cum SA (acres)	181.64	23.00	83.83

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3190.53*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.91	500	658.44	650	654.94	700	652.24
950	634.64	1000	632.46	1100	625.81	1250	619.88	1350	619.88
1475	614.94	1950	614.94	2025	614.45	2300	609.96	2600	603.71
3000	601.91	3200	598.54	3400	595.06	3475.29	582.04	3550.58	567.49
3675.29	567.49	3750.58	600	3822.35	647.06	4085.47	710.17	4181.16	718.72
4324.68	728	4468.2	729.69	4504.09	732.65				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3750.58	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3750.58	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.24	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	460995.30	64218.46	46515.96
E.G. Slope (ft/ft)	0.000043	Area (sq ft)	460995.30	64218.46	46515.96
Q Total (cfs)	950416.60	Flow (cfs)	773868.10	131559.30	44989.14
Top Width (ft)	4504.09	Top Width (ft)	3400.00	350.58	753.51
Vel Total (ft/s)	1.66	Avg. Vel. (ft/s)	1.68	2.05	0.97
Max Chl Dpth (ft)	192.75	Hydr. Depth (ft)	135.59	183.18	61.73
Conv. Total (cfs)	145684800.0	Conv. (cfs)	118622500.0	20166100.0	6896168.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.14	359.81	803.43
Min Ch El (ft)	567.49	Shear (lb/sq ft)	0.35	0.47	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.59	0.97	0.15
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	25233.77	4110.41	5383.25
C & E Loss (ft)		Cum SA (acres)	181.25	22.96	83.75

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3185.54*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.88	500	658.43	650	654.9	700	652.18
950	634.51	1000	632.33	1100	625.69	1250	619.81	1350	619.81
1475	614.9	1950	614.9	2025	614.41	2300	609.96	2600	603.74
3000	601.93	3200	598.57	3400	595.1	3475.49	582.06	3550.97	567.49
3675.49	567.49	3750.97	600	3822.96	647.24	4086.9	710.17	4182.88	718.77
4326.85	728.09	4470.82	729.77	4506.81	732.74				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3750.97	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3750.97	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.24	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	461080.90	64281.73	46601.51
E.G. Slope (ft/ft)	0.000043	Area (sq ft)	461080.90	64281.73	46601.51
Q Total (cfs)	950416.60	Flow (cfs)	773767.10	131626.00	45023.52
Top Width (ft)	4506.81	Top Width (ft)	3400.00	350.97	755.84
Vel Total (ft/s)	1.66	Avg. Vel. (ft/s)	1.68	2.05	0.97
Max Chl Dpth (ft)	192.75	Hydr. Depth (ft)	135.61	183.15	61.66
Conv. Total (cfs)	145748800.0	Conv. (cfs)	118659200.0	20185190.0	6904473.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.14	360.18	805.68
Min Ch El (ft)	567.49	Shear (lb/sq ft)	0.35	0.47	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.59	0.97	0.15
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	25180.95	4103.05	5377.92
C & E Loss (ft)		Cum SA (acres)	180.86	22.92	83.66

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3180.56*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.85	500	658.42	650	654.86	700	652.12
950	634.37	1000	632.19	1100	625.56	1250	619.73	1350	619.73
1475	614.86	1950	614.86	2025	614.38	2300	609.96	2600	603.77
3000	601.94	3200	598.6	3400	595.14	3475.68	582.08	3551.36	567.49
3675.68	567.49	3751.36	600	3823.57	647.42	4088.33	710.17	4184.6	718.82
4329.02	728.19	4473.43	729.86	4509.53	732.84				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3751.36	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3751.36	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.24	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	461174.10	64345.06	46684.25
E.G. Slope (ft/ft)	0.000042	Area (sq ft)	461174.10	64345.06	46684.25
Q Total (cfs)	950416.40	Flow (cfs)	773673.00	131690.50	45052.88
Top Width (ft)	4509.53	Top Width (ft)	3400.00	351.36	758.17
Vel Total (ft/s)	1.66	Avg. Vel. (ft/s)	1.68	2.05	0.97
Max Chl Dpth (ft)	192.75	Hydr. Depth (ft)	135.64	183.13	61.57
Conv. Total (cfs)	145815600.0	Conv. (cfs)	118699200.0	20204340.0	6912144.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.14	360.56	807.91
Min Ch El (ft)	567.49	Shear (lb/sq ft)	0.35	0.47	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.59	0.97	0.15
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	25128.13	4095.68	5372.57
C & E Loss (ft)		Cum SA (acres)	180.47	22.88	83.57

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3175.58*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.82	500	658.41	650	654.82	700	652.06
950	634.24	1000	632.06	1100	625.44	1250	619.65	1350	619.65
1475	614.82	1950	614.82	2025	614.34	2300	609.96	2600	603.8
3000	601.96	3200	598.62	3400	595.18	3475.88	582.11	3551.75	567.48
3675.88	567.48	3751.75	600	3824.18	647.6	4089.75	710.17	4186.33	718.87
4331.18	728.28	4476.04	729.94	4512.26	732.94				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3751.75	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3751.75	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.24	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	461263.80	64409.54	46768.79
E.G. Slope (ft/ft)	0.000042	Area (sq ft)	461263.80	64409.54	46768.79
Q Total (cfs)	950416.40	Flow (cfs)	773573.50	131757.90	45085.00
Top Width (ft)	4512.26	Top Width (ft)	3400.00	351.75	760.51
Vel Total (ft/s)	1.66	Avg. Vel. (ft/s)	1.68	2.05	0.96
Max Chl Dpth (ft)	192.76	Hydr. Depth (ft)	135.67	183.11	61.50
Conv. Total (cfs)	145881600.0	Conv. (cfs)	118737600.0	20223830.0	6920203.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.14	360.94	810.15
Min Ch El (ft)	567.48	Shear (lb/sq ft)	0.35	0.47	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.59	0.97	0.15
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	25075.29	4088.31	5367.22
C & E Loss (ft)		Cum SA (acres)	180.08	22.84	83.49

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3170.60*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.79	500	658.4	650	654.79	700	652.01
950	634.11	1000	631.92	1100	625.32	1250	619.57	1350	619.57
1475	614.79	1950	614.79	2025	614.31	2300	609.96	2600	603.82
3000	601.97	3200	598.65	3400	595.21	3476.07	582.13	3552.14	567.48
3676.07	567.48	3752.14	600	3824.79	647.78	4091.18	710.17	4188.05	718.91
4333.35	728.38	4478.65	730.02	4514.98	733.04				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3752.14	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3752.14	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.24	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	461350.00	64473.12	46852.82
E.G. Slope (ft/ft)	0.000042	Area (sq ft)	461350.00	64473.12	46852.82
Q Total (cfs)	950416.30	Flow (cfs)	773473.30	131825.80	45117.18
Top Width (ft)	4514.98	Top Width (ft)	3400.00	352.14	762.84
Vel Total (ft/s)	1.66	Avg. Vel. (ft/s)	1.68	2.04	0.96
Max Chl Dpth (ft)	192.76	Hydr. Depth (ft)	135.69	183.09	61.42
Conv. Total (cfs)	145946000.0	Conv. (cfs)	118774600.0	20243180.0	6928197.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.15	361.31	812.39
Min Ch El (ft)	567.48	Shear (lb/sq ft)	0.35	0.47	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.59	0.97	0.15
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	25022.45	4080.93	5361.86
C & E Loss (ft)		Cum SA (acres)	179.69	22.80	83.40

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3165.62*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.76	500	658.38	650	654.75	700	651.95
950	633.98	1000	631.79	1100	625.19	1250	619.49	1350	619.49
1475	614.75	1950	614.75	2025	614.27	2300	609.96	2600	603.85
3000	601.98	3200	598.68	3400	595.25	3476.26	582.15	3552.53	567.47
3676.26	567.47	3752.53	600	3825.4	647.96	4092.61	710.18	4189.77	718.96
4335.52	728.47	4481.27	730.1	4517.7	733.13				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3752.53	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3752.53	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.24	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	461444.60	64538.36	46935.09
E.G. Slope (ft/ft)	0.000042	Area (sq ft)	461444.60	64538.36	46935.09
Q Total (cfs)	950416.10	Flow (cfs)	773377.00	131894.10	45145.03
Top Width (ft)	4517.70	Top Width (ft)	3400.00	352.53	765.17
Vel Total (ft/s)	1.66	Avg. Vel. (ft/s)	1.68	2.04	0.96
Max Chl Dpth (ft)	192.77	Hydr. Depth (ft)	135.72	183.07	61.34
Conv. Total (cfs)	146014000.0	Conv. (cfs)	118815200.0	20263100.0	6935703.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.15	361.69	814.64
Min Ch El (ft)	567.47	Shear (lb/sq ft)	0.35	0.47	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.59	0.96	0.15
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	24969.59	4073.54	5356.49
C & E Loss (ft)		Cum SA (acres)	179.30	22.76	83.31

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3160.64*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.73	500	658.37	650	654.71	700	651.89
950	633.85	1000	631.66	1100	625.07	1250	619.42	1350	619.42
1475	614.71	1950	614.71	2025	614.24	2300	609.96	2600	603.88
3000	602	3200	598.7	3400	595.29	3476.46	582.18	3552.92	567.47
3676.46	567.47	3752.92	600	3826.01	648.14	4094.03	710.18	4191.5	719.01
4337.69	728.57	4483.88	730.18	4520.43	733.23				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3752.92	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3752.92	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.24	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	461530.50	64600.80	47017.19
E.G. Slope (ft/ft)	0.000042	Area (sq ft)	461530.50	64600.80	47017.19
Q Total (cfs)	950416.10	Flow (cfs)	773283.40	131958.50	45174.18
Top Width (ft)	4520.43	Top Width (ft)	3400.00	352.92	767.51
Vel Total (ft/s)	1.66	Avg. Vel. (ft/s)	1.68	2.04	0.96
Max Chl Dpth (ft)	192.77	Hydr. Depth (ft)	135.74	183.05	61.26
Conv. Total (cfs)	146076900.0	Conv. (cfs)	118852000.0	20281740.0	6943173.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.15	362.07	816.88
Min Ch El (ft)	567.47	Shear (lb/sq ft)	0.35	0.47	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.59	0.96	0.15
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	24916.73	4066.14	5351.11
C & E Loss (ft)		Cum SA (acres)	178.91	22.72	83.22

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3155.66*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.69	500	658.36	650	654.67	700	651.83
950	633.72	1000	631.52	1100	624.94	1250	619.34	1350	619.34
1475	614.67	1950	614.67	2025	614.2	2300	609.96	2600	603.91
3000	602.01	3200	598.73	3400	595.33	3476.65	582.2	3553.31	567.47
3676.65	567.47	3753.31	600	3826.63	648.32	4095.46	710.18	4193.22	719.06
4339.85	728.66	4486.49	730.26	4523.15	733.33				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3753.31	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3753.31	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.24	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	461625.90	64663.99	47100.82
E.G. Slope (ft/ft)	0.000042	Area (sq ft)	461625.90	64663.99	47100.82
Q Total (cfs)	950415.90	Flow (cfs)	773190.10	132021.10	45204.68
Top Width (ft)	4523.15	Top Width (ft)	3400.00	353.31	769.84
Vel Total (ft/s)	1.66	Avg. Vel. (ft/s)	1.67	2.04	0.96
Max Chl Dpth (ft)	192.77	Hydr. Depth (ft)	135.77	183.02	61.18
Conv. Total (cfs)	146144800.0	Conv. (cfs)	118892900.0	20300800.0	6951095.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.15	362.45	819.12
Min Ch El (ft)	567.47	Shear (lb/sq ft)	0.35	0.47	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.59	0.96	0.15
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	24863.85	4058.74	5345.72
C & E Loss (ft)		Cum SA (acres)	178.52	22.68	83.14

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3150.68*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.66	500	658.35	650	654.63	700	651.77
950	633.59	1000	631.39	1100	624.82	1250	619.26	1350	619.26
1475	614.63	1950	614.63	2025	614.17	2300	609.96	2600	603.94
3000	602.03	3200	598.76	3400	595.37	3476.85	582.22	3553.7	567.46
3676.85	567.46	3753.7	600	3827.24	648.5	4096.89	710.18	4194.94	719.11
4342.02	728.75	4489.1	730.34	4525.88	733.42				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3753.7	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3753.7	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.29	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.24	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	461712.10	64729.15	47184.11
E.G. Slope (ft/ft)	0.000042	Area (sq ft)	461712.10	64729.15	47184.11
Q Total (cfs)	950415.90	Flow (cfs)	773089.10	132091.90	45234.93
Top Width (ft)	4525.88	Top Width (ft)	3400.00	353.70	772.18
Vel Total (ft/s)	1.66	Avg. Vel. (ft/s)	1.67	2.04	0.96
Max Chl Dpth (ft)	192.78	Hydr. Depth (ft)	135.80	183.01	61.11
Conv. Total (cfs)	146209400.0	Conv. (cfs)	118929900.0	20320650.0	6958818.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.15	362.83	821.38
Min Ch El (ft)	567.46	Shear (lb/sq ft)	0.35	0.47	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.59	0.96	0.15
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	24810.96	4051.32	5340.32
C & E Loss (ft)		Cum SA (acres)	178.13	22.64	83.05

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3145.70*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.63	500	658.34	650	654.59	700	651.71
950	633.46	1000	631.25	1100	624.69	1250	619.18	1350	619.18
1475	614.59	1950	614.59	2025	614.13	2300	609.96	2600	603.97
3000	602.04	3200	598.79	3400	595.41	3477.04	582.25	3554.09	567.46
3677.04	567.46	3754.09	600	3827.85	648.68	4098.31	710.18	4196.66	719.16
4344.19	728.85	4491.72	730.42	4528.6	733.52				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3754.09	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3754.09	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.24	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	461804.80	64791.53	47264.70
E.G. Slope (ft/ft)	0.000042	Area (sq ft)	461804.80	64791.53	47264.70
Q Total (cfs)	950415.80	Flow (cfs)	773001.00	132153.60	45261.22
Top Width (ft)	4528.60	Top Width (ft)	3400.00	354.09	774.51
Vel Total (ft/s)	1.66	Avg. Vel. (ft/s)	1.67	2.04	0.96
Max Chl Dpth (ft)	192.78	Hydr. Depth (ft)	135.83	182.98	61.03
Conv. Total (cfs)	146275000.0	Conv. (cfs)	118969700.0	20339270.0	6965986.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.15	363.20	823.61
Min Ch El (ft)	567.46	Shear (lb/sq ft)	0.35	0.47	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.59	0.96	0.14
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	24758.07	4043.91	5334.91
C & E Loss (ft)		Cum SA (acres)	177.74	22.60	82.96

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3140.72*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.6	500	658.32	650	654.55	700	651.65
950	633.33	1000	631.12	1100	624.57	1250	619.11	1350	619.11
1475	614.55	1950	614.55	2025	614.1	2300	609.96	2600	603.99
3000	602.06	3200	598.81	3400	595.45	3477.24	582.27	3554.47	567.46
3677.24	567.46	3754.47	600	3828.46	648.86	4099.74	710.18	4198.39	719.21
4346.36	728.94	4494.33	730.5	4531.32	733.62				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3754.47	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3754.47	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.24	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	461897.00	64853.01	47348.32
E.G. Slope (ft/ft)	0.000042	Area (sq ft)	461897.00	64853.01	47348.32
Q Total (cfs)	950415.70	Flow (cfs)	772909.60	132214.10	45291.99
Top Width (ft)	4531.32	Top Width (ft)	3400.00	354.47	776.85
Vel Total (ft/s)	1.66	Avg. Vel. (ft/s)	1.67	2.04	0.96
Max Chl Dpth (ft)	192.78	Hydr. Depth (ft)	135.85	182.96	60.95
Conv. Total (cfs)	146340800.0	Conv. (cfs)	119009200.0	20357740.0	6973862.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.15	363.57	825.86
Min Ch El (ft)	567.46	Shear (lb/sq ft)	0.35	0.47	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.58	0.96	0.14
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	24705.16	4036.48	5329.49
C & E Loss (ft)		Cum SA (acres)	177.35	22.56	82.87

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3135.74*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.57	500	658.31	650	654.51	700	651.59
950	633.2	1000	630.98	1100	624.44	1250	619.03	1350	619.03
1475	614.51	1950	614.51	2025	614.06	2300	609.96	2600	604.02
3000	602.07	3200	598.84	3400	595.49	3477.43	582.29	3554.86	567.45
3677.43	567.45	3754.86	600	3829.07	649.04	4101.17	710.18	4200.11	719.26
4348.53	729.04	4496.94	730.59	4534.05	733.72				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3754.86	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3754.86	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.24	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	461989.90	64918.15	47427.88
E.G. Slope (ft/ft)	0.000042	Area (sq ft)	461989.90	64918.15	47427.88
Q Total (cfs)	950415.60	Flow (cfs)	772816.80	132282.80	45316.02
Top Width (ft)	4534.05	Top Width (ft)	3400.00	354.86	779.19
Vel Total (ft/s)	1.65	Avg. Vel. (ft/s)	1.67	2.04	0.96
Max Chl Dpth (ft)	192.79	Hydr. Depth (ft)	135.88	182.94	60.87
Conv. Total (cfs)	146407500.0	Conv. (cfs)	119049100.0	20377600.0	6980739.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.15	363.95	828.11
Min Ch El (ft)	567.45	Shear (lb/sq ft)	0.35	0.47	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.58	0.96	0.14
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	24652.24	4029.05	5324.06
C & E Loss (ft)		Cum SA (acres)	176.96	22.51	82.78

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3130.76*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.54	500	658.3	650	654.47	700	651.53
950	633.06	1000	630.85	1100	624.32	1250	618.95	1350	618.95
1475	614.47	1950	614.47	2025	614.03	2300	609.96	2600	604.05
3000	602.09	3200	598.87	3400	595.53	3477.63	582.32	3555.25	567.45
3677.63	567.45	3755.25	600	3829.68	649.22	4102.59	710.18	4201.83	719.31
4350.69	729.13	4499.55	730.67	4536.77	733.81				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3755.25	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3755.25	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.24	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	462077.50	64980.45	47508.96
E.G. Slope (ft/ft)	0.000042	Area (sq ft)	462077.50	64980.45	47508.96
Q Total (cfs)	950415.40	Flow (cfs)	772725.90	132345.90	45343.48
Top Width (ft)	4536.77	Top Width (ft)	3400.00	355.25	781.52
Vel Total (ft/s)	1.65	Avg. Vel. (ft/s)	1.67	2.04	0.95
Max Chl Dpth (ft)	192.79	Hydr. Depth (ft)	135.91	182.91	60.79
Conv. Total (cfs)	146470800.0	Conv. (cfs)	119086700.0	20396150.0	6987995.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.16	364.33	830.36
Min Ch El (ft)	567.45	Shear (lb/sq ft)	0.35	0.47	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.58	0.95	0.14
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	24599.32	4021.61	5318.62
C & E Loss (ft)		Cum SA (acres)	176.57	22.47	82.69

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3125.78*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.51	500	658.29	650	654.44	700	651.47
950	632.93	1000	630.71	1100	624.19	1250	618.87	1350	618.87
1475	614.44	1950	614.44	2025	613.99	2300	609.96	2600	604.08
3000	602.1	3200	598.89	3400	595.56	3477.82	582.34	3555.64	567.44
3677.82	567.44	3755.64	600	3830.29	649.41	4104.02	710.19	4203.56	719.36
4352.86	729.23	4502.17	730.75	4539.49	733.91				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3755.64	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3755.64	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.24	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	462166.80	65045.90	47584.99
E.G. Slope (ft/ft)	0.000042	Area (sq ft)	462166.80	65045.90	47584.99
Q Total (cfs)	950415.40	Flow (cfs)	772634.70	132418.00	45362.77
Top Width (ft)	4539.49	Top Width (ft)	3400.00	355.64	783.85
Vel Total (ft/s)	1.65	Avg. Vel. (ft/s)	1.67	2.04	0.95
Max Chl Dpth (ft)	192.80	Hydr. Depth (ft)	135.93	182.90	60.71
Conv. Total (cfs)	146535300.0	Conv. (cfs)	119125000.0	20416230.0	6994042.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.16	364.71	832.60
Min Ch El (ft)	567.44	Shear (lb/sq ft)	0.35	0.47	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.58	0.95	0.14
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	24546.38	4014.16	5313.17
C & E Loss (ft)		Cum SA (acres)	176.18	22.43	82.60

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3120.80*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.47	500	658.28	650	654.4	700	651.41
950	632.8	1000	630.58	1100	624.07	1250	618.79	1350	618.79
1475	614.4	1950	614.4	2025	613.96	2300	609.96	2600	604.11
3000	602.12	3200	598.92	3400	595.6	3478.02	582.36	3556.03	567.44
3678.02	567.44	3756.03	600	3830.91	649.59	4105.45	710.19	4205.28	719.41
4355.03	729.32	4504.78	730.83	4542.22	734.01				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3756.03	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3756.03	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.24	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	462255.40	65109.02	47666.39
E.G. Slope (ft/ft)	0.000042	Area (sq ft)	462255.40	65109.02	47666.39
Q Total (cfs)	950415.30	Flow (cfs)	772542.10	132482.80	45390.50
Top Width (ft)	4542.22	Top Width (ft)	3400.00	356.03	786.19
Vel Total (ft/s)	1.65	Avg. Vel. (ft/s)	1.67	2.03	0.95
Max Chl Dpth (ft)	192.80	Hydr. Depth (ft)	135.96	182.88	60.63
Conv. Total (cfs)	146599600.0	Conv. (cfs)	119163100.0	20435210.0	7001393.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.16	365.08	834.85
Min Ch El (ft)	567.44	Shear (lb/sq ft)	0.35	0.47	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.58	0.95	0.14
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	24493.43	4006.70	5307.72
C & E Loss (ft)		Cum SA (acres)	175.79	22.39	82.51

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3115.82*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.44	500	658.26	650	654.36	700	651.35
950	632.67	1000	630.44	1100	623.95	1250	618.72	1350	618.72
1475	614.36	1950	614.36	2025	613.92	2300	609.96	2600	604.14
3000	602.13	3200	598.95	3400	595.64	3478.21	582.39	3556.42	567.44
3678.21	567.44	3756.42	600	3831.52	649.77	4106.87	710.19	4207	719.46
4357.2	729.42	4507.39	730.91	4544.94	734.11				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3756.42	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3756.42	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.24	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	462347.10	65171.26	47744.80
E.G. Slope (ft/ft)	0.000042	Area (sq ft)	462347.10	65171.26	47744.80
Q Total (cfs)	950415.20	Flow (cfs)	772456.80	132544.60	45413.73
Top Width (ft)	4544.94	Top Width (ft)	3400.00	356.42	788.52
Vel Total (ft/s)	1.65	Avg. Vel. (ft/s)	1.67	2.03	0.95
Max Chl Dpth (ft)	192.80	Hydr. Depth (ft)	135.98	182.85	60.55
Conv. Total (cfs)	146664200.0	Conv. (cfs)	119202400.0	20453750.0	7008063.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.16	365.46	837.09
Min Ch El (ft)	567.44	Shear (lb/sq ft)	0.35	0.47	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.58	0.95	0.14
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	24440.47	3999.24	5302.25
C & E Loss (ft)		Cum SA (acres)	175.40	22.35	82.42

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3110.84*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.41	500	658.25	650	654.32	700	651.29
950	632.54	1000	630.31	1100	623.82	1250	618.64	1350	618.64
1475	614.32	1950	614.32	2025	613.89	2300	609.96	2600	604.17
3000	602.15	3200	598.98	3400	595.68	3478.4	582.41	3556.81	567.43
3678.4	567.43	3756.81	600	3832.13	649.95	4108.3	710.19	4208.73	719.51
4359.37	729.51	4510	730.99	4547.67	734.2				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3756.81	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3756.81	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.24	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	462434.60	65236.32	47825.20
E.G. Slope (ft/ft)	0.000042	Area (sq ft)	462434.60	65236.32	47825.20
Q Total (cfs)	950415.10	Flow (cfs)	772360.90	132614.70	45439.50
Top Width (ft)	4547.67	Top Width (ft)	3400.00	356.81	790.86
Vel Total (ft/s)	1.65	Avg. Vel. (ft/s)	1.67	2.03	0.95
Max Chl Dpth (ft)	192.81	Hydr. Depth (ft)	136.01	182.83	60.47
Conv. Total (cfs)	146728700.0	Conv. (cfs)	119240000.0	20473550.0	7015121.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.16	365.84	839.35
Min Ch El (ft)	567.43	Shear (lb/sq ft)	0.35	0.47	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.58	0.95	0.14
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	24387.50	3991.77	5296.78
C & E Loss (ft)		Cum SA (acres)	175.01	22.31	82.33

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3105.86*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.38	500	658.24	650	654.28	700	651.23
950	632.41	1000	630.17	1100	623.7	1250	618.56	1350	618.56
1475	614.28	1950	614.28	2025	613.85	2300	609.96	2600	604.19
3000	602.16	3200	599	3400	595.72	3478.6	582.43	3557.2	567.43
3678.6	567.43	3757.2	600	3832.74	650.13	4109.73	710.19	4210.45	719.56
4361.53	729.61	4512.62	731.07	4550.39	734.3				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3757.2	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3757.2	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.24	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	462532.10	65299.36	47903.26
E.G. Slope (ft/ft)	0.000042	Area (sq ft)	462532.10	65299.36	47903.26
Q Total (cfs)	950415.00	Flow (cfs)	772277.30	132676.40	45461.32
Top Width (ft)	4550.39	Top Width (ft)	3400.00	357.20	793.19
Vel Total (ft/s)	1.65	Avg. Vel. (ft/s)	1.67	2.03	0.95
Max Chl Dpth (ft)	192.81	Hydr. Depth (ft)	136.04	182.81	60.39
Conv. Total (cfs)	146796000.0	Conv. (cfs)	119281800.0	20492480.0	7021713.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.16	366.22	841.60
Min Ch El (ft)	567.43	Shear (lb/sq ft)	0.35	0.47	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.58	0.95	0.14
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	24334.52	3984.30	5291.30
C & E Loss (ft)		Cum SA (acres)	174.62	22.27	82.24

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3100.88*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.35	500	658.23	650	654.24	700	651.17
950	632.28	1000	630.04	1100	623.57	1250	618.48	1350	618.48
1475	614.24	1950	614.24	2025	613.82	2300	609.96	2600	604.22
3000	602.18	3200	599.03	3400	595.76	3478.79	582.46	3557.59	567.42
3678.79	567.42	3757.59	600	3833.35	650.31	4111.15	710.19	4212.17	719.61
4363.7	729.7	4515.23	731.15	4553.11	734.4				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3757.59	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3757.59	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.24	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	462619.60	65363.59	47982.04
E.G. Slope (ft/ft)	0.000042	Area (sq ft)	462619.60	65363.59	47982.04
Q Total (cfs)	950414.90	Flow (cfs)	772185.30	132744.10	45485.47
Top Width (ft)	4553.11	Top Width (ft)	3400.00	357.59	795.52
Vel Total (ft/s)	1.65	Avg. Vel. (ft/s)	1.67	2.03	0.95
Max Chl Dpth (ft)	192.82	Hydr. Depth (ft)	136.06	182.79	60.32
Conv. Total (cfs)	146859700.0	Conv. (cfs)	119319400.0	20511840.0	7028493.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.17	366.60	843.84
Min Ch El (ft)	567.42	Shear (lb/sq ft)	0.35	0.47	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.58	0.95	0.14
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	24281.53	3976.81	5285.80
C & E Loss (ft)		Cum SA (acres)	174.24	22.23	82.15

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3095.9*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.32	500	658.22	650	654.2	700	651.11
950	632.15	1000	629.9	1100	623.45	1250	618.4	1350	618.4
1475	614.2	1950	614.2	2025	613.78	2300	609.96	2600	604.25
3000	602.19	3200	599.06	3400	595.8	3478.99	582.48	3557.98	567.42
3678.99	567.42	3757.98	600	3833.96	650.49	4112.58	710.19	4213.9	719.66
4365.87	729.79	4517.84	731.24	4555.84	734.49				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3757.98	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3757.98	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.23	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	462711.20	65426.57	48060.46
E.G. Slope (ft/ft)	0.000042	Area (sq ft)	462711.20	65426.57	48060.46
Q Total (cfs)	950414.80	Flow (cfs)	772099.10	132807.80	45508.06
Top Width (ft)	4555.84	Top Width (ft)	3400.00	357.98	797.86
Vel Total (ft/s)	1.65	Avg. Vel. (ft/s)	1.67	2.03	0.95
Max Chl Dpth (ft)	192.81	Hydr. Depth (ft)	136.09	182.77	60.24
Conv. Total (cfs)	146924600.0	Conv. (cfs)	119358700.0	20530740.0	7035089.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.17	366.97	846.10
Min Ch El (ft)	567.42	Shear (lb/sq ft)	0.35	0.47	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.58	0.95	0.14
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	24228.53	3969.32	5280.30
C & E Loss (ft)		Cum SA (acres)	173.85	22.19	82.06

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3090.91*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.29	500	658.2	650	654.16	700	651.05
950	632.02	1000	629.77	1100	623.32	1250	618.33	1350	618.33
1475	614.16	1950	614.16	2025	613.75	2300	609.96	2600	604.28
3000	602.2	3200	599.09	3400	595.84	3479.18	582.5	3558.37	567.42
3679.18	567.42	3758.37	600	3834.57	650.67	4114.01	710.19	4215.62	719.71
4368.04	729.89	4520.46	731.32	4558.56	734.59				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3758.37	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3758.37	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.23	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	462801.50	65489.54	48137.31
E.G. Slope (ft/ft)	0.000042	Area (sq ft)	462801.50	65489.54	48137.31
Q Total (cfs)	950414.70	Flow (cfs)	772013.40	132872.10	45529.08
Top Width (ft)	4558.56	Top Width (ft)	3400.00	358.37	800.19
Vel Total (ft/s)	1.65	Avg. Vel. (ft/s)	1.67	2.03	0.95
Max Chl Dpth (ft)	192.81	Hydr. Depth (ft)	136.12	182.74	60.16
Conv. Total (cfs)	146988600.0	Conv. (cfs)	119397500.0	20549650.0	7041405.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.17	367.35	848.34
Min Ch El (ft)	567.42	Shear (lb/sq ft)	0.35	0.47	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.58	0.94	0.14
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	24175.52	3961.82	5274.79
C & E Loss (ft)		Cum SA (acres)	173.46	22.15	81.97

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3085.93*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.25	500	658.19	650	654.12	700	650.99
950	631.89	1000	629.63	1100	623.2	1250	618.25	1350	618.25
1475	614.12	1950	614.12	2025	613.71	2300	609.96	2600	604.31
3000	602.22	3200	599.11	3400	595.88	3479.38	582.53	3558.75	567.41
3679.38	567.41	3758.75	600	3835.19	650.85	4115.43	710.2	4217.34	719.76
4370.21	729.98	4523.07	731.4	4561.28	734.69				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3758.75	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3758.75	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.23	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	462894.70	65552.01	48215.03
E.G. Slope (ft/ft)	0.000042	Area (sq ft)	462894.70	65552.01	48215.03
Q Total (cfs)	950414.60	Flow (cfs)	771929.50	132934.30	45550.84
Top Width (ft)	4561.28	Top Width (ft)	3400.00	358.75	802.53
Vel Total (ft/s)	1.65	Avg. Vel. (ft/s)	1.67	2.03	0.94
Max Chl Dpth (ft)	192.82	Hydr. Depth (ft)	136.15	182.72	60.08
Conv. Total (cfs)	147053800.0	Conv. (cfs)	119437600.0	20568400.0	7047899.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.17	367.72	850.59
Min Ch El (ft)	567.41	Shear (lb/sq ft)	0.35	0.46	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.58	0.94	0.14
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	24122.50	3954.32	5269.27
C & E Loss (ft)		Cum SA (acres)	173.07	22.11	81.88

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3080.95*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.22	500	658.18	650	654.09	700	650.93
950	631.75	1000	629.5	1100	623.07	1250	618.17	1350	618.17
1475	614.09	1950	614.09	2025	613.68	2300	609.96	2600	604.34
3000	602.23	3200	599.14	3400	595.91	3479.57	582.55	3559.14	567.41
3679.57	567.41	3759.14	600	3835.8	651.03	4116.86	710.2	4219.07	719.81
4372.37	730.08	4525.68	731.48	4564.01	734.79				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3759.14	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3759.14	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.23	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	462981.30	65615.36	48291.60
E.G. Slope (ft/ft)	0.000042	Area (sq ft)	462981.30	65615.36	48291.60
Q Total (cfs)	950414.50	Flow (cfs)	771841.30	133001.70	45571.54
Top Width (ft)	4564.01	Top Width (ft)	3400.00	359.14	804.87
Vel Total (ft/s)	1.65	Avg. Vel. (ft/s)	1.67	2.03	0.94
Max Chl Dpth (ft)	192.82	Hydr. Depth (ft)	136.17	182.70	60.00
Conv. Total (cfs)	147116400.0	Conv. (cfs)	119474800.0	20587570.0	7054104.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.17	368.10	852.85
Min Ch El (ft)	567.41	Shear (lb/sq ft)	0.35	0.46	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.58	0.94	0.14
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	24069.47	3946.80	5263.75
C & E Loss (ft)		Cum SA (acres)	172.68	22.06	81.78

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3075.97*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.19	500	658.17	650	654.05	700	650.87
950	631.62	1000	629.36	1100	622.95	1250	618.09	1350	618.09
1475	614.05	1950	614.05	2025	613.64	2300	609.96	2600	604.37
3000	602.25	3200	599.17	3400	595.95	3479.77	582.57	3559.53	567.4
3679.77	567.4	3759.53	600	3836.41	651.21	4118.29	710.2	4220.79	719.85
4374.54	730.17	4528.29	731.56	4566.73	734.88				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3759.53	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3759.53	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.23	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	463070.00	65680.31	48370.39
E.G. Slope (ft/ft)	0.000042	Area (sq ft)	463070.00	65680.31	48370.39
Q Total (cfs)	950414.40	Flow (cfs)	771748.70	133070.50	45595.21
Top Width (ft)	4566.73	Top Width (ft)	3400.00	359.53	807.20
Vel Total (ft/s)	1.65	Avg. Vel. (ft/s)	1.67	2.03	0.94
Max Chl Dpth (ft)	192.83	Hydr. Depth (ft)	136.20	182.68	59.92
Conv. Total (cfs)	147181000.0	Conv. (cfs)	119512800.0	20607270.0	7060865.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.18	368.48	855.10
Min Ch El (ft)	567.40	Shear (lb/sq ft)	0.35	0.46	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.58	0.94	0.14
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	24016.43	3939.28	5258.21
C & E Loss (ft)		Cum SA (acres)	172.29	22.02	81.69

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3070.99*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.16	500	658.16	650	654.01	700	650.81
950	631.49	1000	629.23	1100	622.82	1250	618.02	1350	618.02
1475	614.01	1950	614.01	2025	613.61	2300	609.97	2600	604.39
3000	602.26	3200	599.19	3400	595.99	3479.96	582.6	3559.92	567.4
3679.96	567.4	3759.92	600	3837.02	651.39	4119.71	710.2	4222.51	719.9
4376.71	730.27	4530.91	731.64	4569.45	734.98				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3759.92	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3759.92	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.23	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	463160.50	65742.38	48445.46
E.G. Slope (ft/ft)	0.000042	Area (sq ft)	463160.50	65742.38	48445.46
Q Total (cfs)	950414.30	Flow (cfs)	771668.30	133132.30	45613.76
Top Width (ft)	4569.45	Top Width (ft)	3400.00	359.92	809.53
Vel Total (ft/s)	1.65	Avg. Vel. (ft/s)	1.67	2.03	0.94
Max Chl Dpth (ft)	192.83	Hydr. Depth (ft)	136.22	182.66	59.84
Conv. Total (cfs)	147244200.0	Conv. (cfs)	119551700.0	20625700.0	7066772.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.18	368.86	857.35
Min Ch El (ft)	567.40	Shear (lb/sq ft)	0.35	0.46	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.58	0.94	0.14
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	23963.37	3931.76	5252.66
C & E Loss (ft)		Cum SA (acres)	171.90	21.98	81.60

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3066.01*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.13	500	658.14	650	653.97	700	650.75
950	631.36	1000	629.09	1100	622.7	1250	617.94	1350	617.94
1475	613.97	1950	613.97	2025	613.57	2300	609.97	2600	604.42
3000	602.28	3200	599.22	3400	596.03	3480.16	582.62	3560.31	567.4
3680.16	567.4	3760.31	600	3837.63	651.57	4121.14	710.2	4224.24	719.95
4378.88	730.36	4533.52	731.72	4572.18	735.08				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3760.31	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3760.31	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.23	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	463251.70	65805.30	48522.42
E.G. Slope (ft/ft)	0.000042	Area (sq ft)	463251.70	65805.30	48522.42
Q Total (cfs)	950414.20	Flow (cfs)	771583.80	133195.80	45634.64
Top Width (ft)	4572.18	Top Width (ft)	3400.00	360.31	811.87
Vel Total (ft/s)	1.65	Avg. Vel. (ft/s)	1.67	2.02	0.94
Max Chl Dpth (ft)	192.83	Hydr. Depth (ft)	136.25	182.64	59.77
Conv. Total (cfs)	147308500.0	Conv. (cfs)	119590900.0	20644550.0	7073097.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.18	369.23	859.60
Min Ch El (ft)	567.40	Shear (lb/sq ft)	0.35	0.46	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.58	0.94	0.14
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	23910.31	3924.22	5247.11
C & E Loss (ft)		Cum SA (acres)	171.51	21.94	81.51

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3061.03*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.1	500	658.13	650	653.93	700	650.69
950	631.23	1000	628.96	1100	622.58	1250	617.86	1350	617.86
1475	613.93	1950	613.93	2025	613.54	2300	609.97	2600	604.45
3000	602.29	3200	599.25	3400	596.07	3480.35	582.64	3560.7	567.39
3680.35	567.39	3760.7	600	3838.24	651.75	4122.57	710.2	4225.96	720
4381.04	730.46	4536.13	731.8	4574.9	735.18				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3760.7	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3760.7	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.23	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	463340.90	65870.15	48597.05
E.G. Slope (ft/ft)	0.000042	Area (sq ft)	463340.90	65870.15	48597.05
Q Total (cfs)	950414.10	Flow (cfs)	771496.80	133265.00	45652.38
Top Width (ft)	4574.90	Top Width (ft)	3400.00	360.70	814.20
Vel Total (ft/s)	1.64	Avg. Vel. (ft/s)	1.67	2.02	0.94
Max Chl Dpth (ft)	192.84	Hydr. Depth (ft)	136.28	182.62	59.69
Conv. Total (cfs)	147372400.0	Conv. (cfs)	119629200.0	20664230.0	7078913.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.18	369.61	861.85
Min Ch El (ft)	567.39	Shear (lb/sq ft)	0.35	0.46	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.58	0.94	0.14
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	23857.24	3916.68	5241.55
C & E Loss (ft)		Cum SA (acres)	171.12	21.90	81.41

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3056.05*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.07	500	658.12	650	653.89	700	650.63
950	631.1	1000	628.82	1100	622.45	1250	617.78	1350	617.78
1475	613.89	1950	613.89	2025	613.5	2300	609.97	2600	604.48
3000	602.31	3200	599.28	3400	596.11	3480.54	582.67	3561.09	567.39
3680.54	567.39	3761.09	600	3838.85	651.93	4123.99	710.2	4227.68	720.05
4383.21	730.55	4538.74	731.88	4577.63	735.27				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3761.09	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3761.09	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.23	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	463431.00	65932.23	48673.11
E.G. Slope (ft/ft)	0.000042	Area (sq ft)	463431.00	65932.23	48673.11
Q Total (cfs)	950414.00	Flow (cfs)	771415.50	133326.60	45671.89
Top Width (ft)	4577.63	Top Width (ft)	3400.00	361.09	816.54
Vel Total (ft/s)	1.64	Avg. Vel. (ft/s)	1.66	2.02	0.94
Max Chl Dpth (ft)	192.84	Hydr. Depth (ft)	136.30	182.59	59.61
Conv. Total (cfs)	147435600.0	Conv. (cfs)	119668000.0	20682650.0	7084978.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.19	369.99	864.11
Min Ch El (ft)	567.39	Shear (lb/sq ft)	0.35	0.46	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.57	0.93	0.14
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	23804.15	3909.13	5235.98
C & E Loss (ft)		Cum SA (acres)	170.73	21.86	81.32

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3051.07*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675.03	500	658.11	650	653.85	700	650.57
950	630.97	1000	628.69	1100	622.33	1250	617.7	1350	617.7
1475	613.85	1950	613.85	2025	613.47	2300	609.97	2600	604.51
3000	602.32	3200	599.3	3400	596.15	3480.74	582.69	3561.48	567.39
3680.74	567.39	3761.48	600	3839.47	652.12	4125.42	710.2	4229.4	720.1
4385.38	730.64	4541.36	731.97	4580.35	735.37				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3761.48	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3761.48	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.23	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	463524.80	65995.07	48746.40
E.G. Slope (ft/ft)	0.000042	Area (sq ft)	463524.80	65995.07	48746.40
Q Total (cfs)	950413.90	Flow (cfs)	771337.30	133389.30	45687.31
Top Width (ft)	4580.35	Top Width (ft)	3400.00	361.48	818.87
Vel Total (ft/s)	1.64	Avg. Vel. (ft/s)	1.66	2.02	0.94
Max Chl Dpth (ft)	192.84	Hydr. Depth (ft)	136.33	182.57	59.53
Conv. Total (cfs)	147500200.0	Conv. (cfs)	119708200.0	20701460.0	7090476.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.19	370.37	866.36
Min Ch El (ft)	567.39	Shear (lb/sq ft)	0.35	0.46	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.57	0.93	0.14
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	23751.06	3901.57	5230.40
C & E Loss (ft)		Cum SA (acres)	170.34	21.82	81.23

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3046.09*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	675	500	658.1	650	653.81	700	650.51
950	630.84	1000	628.55	1100	622.2	1250	617.63	1350	617.63
1475	613.81	1950	613.81	2025	613.43	2300	609.97	2600	604.54
3000	602.34	3200	599.33	3400	596.19	3480.93	582.71	3561.87	567.38
3680.93	567.38	3761.87	600	3840.08	652.3	4126.85	710.21	4231.13	720.15
4387.55	730.74	4543.97	732.05	4583.07	735.47				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3761.87	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3761.87	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.23	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	463612.30	66059.91	48818.11
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	463612.30	66059.91	48818.11
Q Total (cfs)	950413.90	Flow (cfs)	771253.40	133459.60	45701.00
Top Width (ft)	4583.07	Top Width (ft)	3400.00	361.87	821.20
Vel Total (ft/s)	1.64	Avg. Vel. (ft/s)	1.66	2.02	0.94
Max Chl Dpth (ft)	192.85	Hydr. Depth (ft)	136.36	182.55	59.45
Conv. Total (cfs)	147562600.0	Conv. (cfs)	119745900.0	20721120.0	7095601.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.19	370.75	868.61
Min Ch El (ft)	567.38	Shear (lb/sq ft)	0.34	0.46	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.57	0.93	0.14
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	23697.96	3894.01	5224.81
C & E Loss (ft)		Cum SA (acres)	169.95	21.78	81.13

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3041.11*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.97	500	658.08	650	653.77	700	650.45
950	630.71	1000	628.42	1100	622.08	1250	617.55	1350	617.55
1475	613.77	1950	613.77	2025	613.4	2300	609.97	2600	604.57
3000	602.35	3200	599.36	3400	596.23	3481.13	582.74	3562.26	567.38
3681.13	567.38	3762.26	600	3840.69	652.48	4128.27	710.21	4232.85	720.2
4389.72	730.83	4546.58	732.13	4585.8	735.56				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3762.26	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3762.26	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.23	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	463703.90	66121.91	48893.00
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	463703.90	66121.91	48893.00
Q Total (cfs)	950413.80	Flow (cfs)	771174.90	133520.30	45718.71
Top Width (ft)	4585.80	Top Width (ft)	3400.00	362.26	823.54
Vel Total (ft/s)	1.64	Avg. Vel. (ft/s)	1.66	2.02	0.94
Max Chl Dpth (ft)	192.85	Hydr. Depth (ft)	136.38	182.53	59.37
Conv. Total (cfs)	147626100.0	Conv. (cfs)	119785200.0	20739470.0	7101405.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.19	371.13	870.88
Min Ch El (ft)	567.38	Shear (lb/sq ft)	0.34	0.46	0.15
Alpha	1.06	Stream Power (lb/ft s)	0.57	0.93	0.14
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	23644.84	3886.44	5219.21
C & E Loss (ft)		Cum SA (acres)	169.56	21.73	81.04

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3036.13*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.94	500	658.07	650	653.74	700	650.39
950	630.58	1000	628.28	1100	621.95	1250	617.47	1350	617.47
1475	613.74	1950	613.74	2025	613.36	2300	609.97	2600	604.59
3000	602.37	3200	599.39	3400	596.26	3481.32	582.76	3562.65	567.37
3681.32	567.37	3762.65	600	3841.3	652.66	4129.7	710.21	4234.57	720.25
4391.88	730.93	4549.19	732.21	4588.52	735.66				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3762.65	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3762.65	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.23	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	463791.60	66187.08	48965.81
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	463791.60	66187.08	48965.81
Q Total (cfs)	950413.70	Flow (cfs)	771088.40	133591.30	45733.99
Top Width (ft)	4588.52	Top Width (ft)	3400.00	362.65	825.87
Vel Total (ft/s)	1.64	Avg. Vel. (ft/s)	1.66	2.02	0.93
Max Chl Dpth (ft)	192.86	Hydr. Depth (ft)	136.41	182.51	59.29
Conv. Total (cfs)	147689100.0	Conv. (cfs)	119822900.0	20759360.0	7106812.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.20	371.51	873.12
Min Ch El (ft)	567.37	Shear (lb/sq ft)	0.34	0.46	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.57	0.93	0.14
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	23591.72	3878.86	5213.61
C & E Loss (ft)		Cum SA (acres)	169.17	21.69	80.94

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3031.15*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.91	500	658.06	650	653.7	700	650.33
950	630.44	1000	628.15	1100	621.83	1250	617.39	1350	617.39
1475	613.7	1950	613.7	2025	613.33	2300	609.97	2600	604.62
3000	602.38	3200	599.41	3400	596.3	3481.52	582.78	3563.03	567.37
3681.52	567.37	3763.03	600	3841.91	652.84	4131.13	710.21	4236.3	720.3
4394.05	731.02	4551.81	732.29	4591.24	735.76				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3763.03	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3763.03	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.23	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	463884.20	66248.17	49041.24
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	463884.20	66248.17	49041.24
Q Total (cfs)	950413.60	Flow (cfs)	771010.20	133650.60	45752.80
Top Width (ft)	4591.24	Top Width (ft)	3400.00	363.03	828.21
Vel Total (ft/s)	1.64	Avg. Vel. (ft/s)	1.66	2.02	0.93
Max Chl Dpth (ft)	192.86	Hydr. Depth (ft)	136.44	182.49	59.21
Conv. Total (cfs)	147753100.0	Conv. (cfs)	119862700.0	20777580.0	7112818.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.20	371.88	875.38
Min Ch El (ft)	567.37	Shear (lb/sq ft)	0.34	0.46	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.57	0.93	0.14
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	23538.58	3871.27	5207.99
C & E Loss (ft)		Cum SA (acres)	168.78	21.65	80.85

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3026.17*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.88	500	658.05	650	653.66	700	650.27
950	630.31	1000	628.01	1100	621.7	1250	617.32	1350	617.32
1475	613.66	1950	613.66	2025	613.29	2300	609.97	2600	604.65
3000	602.4	3200	599.44	3400	596.34	3481.71	582.81	3563.42	567.37
3681.71	567.37	3763.42	600	3842.52	653.02	4132.55	710.21	4238.02	720.35
4396.22	731.12	4554.42	732.37	4593.97	735.86				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3763.42	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3763.42	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.23	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	463971.70	66310.09	49113.29
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	463971.70	66310.09	49113.29
Q Total (cfs)	950413.50	Flow (cfs)	770933.10	133713.20	45767.20
Top Width (ft)	4593.97	Top Width (ft)	3400.00	363.42	830.55
Vel Total (ft/s)	1.64	Avg. Vel. (ft/s)	1.66	2.02	0.93
Max Chl Dpth (ft)	192.86	Hydr. Depth (ft)	136.46	182.46	59.13
Conv. Total (cfs)	147814300.0	Conv. (cfs)	119900300.0	20795910.0	7118002.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.20	372.25	877.64
Min Ch El (ft)	567.37	Shear (lb/sq ft)	0.34	0.46	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.57	0.93	0.13
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	23485.44	3863.68	5202.37
C & E Loss (ft)		Cum SA (acres)	168.39	21.61	80.75

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3021.19*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.85	500	658.04	650	653.62	700	650.22
950	630.18	1000	627.88	1100	621.58	1250	617.24	1350	617.24
1475	613.62	1950	613.62	2025	613.26	2300	609.97	2600	604.68
3000	602.41	3200	599.47	3400	596.38	3481.91	582.83	3563.81	567.36
3681.91	567.36	3763.81	600	3843.14	653.2	4133.98	710.21	4239.74	720.4
4398.39	731.21	4557.03	732.45	4596.69	735.95				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3763.81	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3763.81	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.23	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	464059.90	66374.91	49187.42
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	464059.90	66374.91	49187.42
Q Total (cfs)	950413.40	Flow (cfs)	770847.00	133782.00	45784.34
Top Width (ft)	4596.69	Top Width (ft)	3400.00	363.81	832.88
Vel Total (ft/s)	1.64	Avg. Vel. (ft/s)	1.66	2.02	0.93
Max Chl Dpth (ft)	192.87	Hydr. Depth (ft)	136.49	182.44	59.06
Conv. Total (cfs)	147877500.0	Conv. (cfs)	119938200.0	20815520.0	7123714.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.21	372.64	879.90
Min Ch El (ft)	567.36	Shear (lb/sq ft)	0.34	0.46	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.57	0.93	0.13
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	23432.29	3856.08	5196.74
C & E Loss (ft)		Cum SA (acres)	168.00	21.57	80.66

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3016.21*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.81	500	658.02	650	653.58	700	650.16
950	630.05	1000	627.74	1100	621.46	1250	617.16	1350	617.16
1475	613.58	1950	613.58	2025	613.22	2300	609.97	2600	604.71
3000	602.43	3200	599.49	3400	596.42	3482.1	582.85	3564.2	567.36
3682.1	567.36	3764.2	600	3843.75	653.38	4135.41	710.21	4241.47	720.45
4400.56	731.31	4559.64	732.53	4599.42	736.05				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3764.2	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3764.2	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.23	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	464155.40	66437.62	49259.18
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	464155.40	66437.62	49259.18
Q Total (cfs)	950413.30	Flow (cfs)	770772.40	133843.70	45797.19
Top Width (ft)	4599.42	Top Width (ft)	3400.00	364.20	835.22
Vel Total (ft/s)	1.64	Avg. Vel. (ft/s)	1.66	2.01	0.93
Max Chl Dpth (ft)	192.87	Hydr. Depth (ft)	136.52	182.42	58.98
Conv. Total (cfs)	147942400.0	Conv. (cfs)	119979300.0	20834270.0	7128844.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.21	373.01	882.16
Min Ch El (ft)	567.36	Shear (lb/sq ft)	0.34	0.46	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.57	0.92	0.13
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	23379.12	3848.48	5191.10
C & E Loss (ft)		Cum SA (acres)	167.61	21.53	80.56

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3011.23*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.78	500	658.01	650	653.54	700	650.1
950	629.92	1000	627.61	1100	621.33	1250	617.08	1350	617.08
1475	613.54	1950	613.54	2025	613.19	2300	609.97	2600	604.74
3000	602.44	3200	599.52	3400	596.46	3482.3	582.88	3564.59	567.35
3682.3	567.35	3764.59	600	3844.36	653.56	4136.83	710.22	4243.19	720.5
4402.72	731.4	4562.26	732.61	4602.14	736.15				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3764.59	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3764.59	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.23	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	464245.70	66501.52	49329.35
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	464245.70	66501.52	49329.35
Q Total (cfs)	950413.20	Flow (cfs)	770694.80	133909.70	45808.63
Top Width (ft)	4602.14	Top Width (ft)	3400.00	364.59	837.55
Vel Total (ft/s)	1.64	Avg. Vel. (ft/s)	1.66	2.01	0.93
Max Chl Dpth (ft)	192.88	Hydr. Depth (ft)	136.54	182.40	58.90
Conv. Total (cfs)	148005200.0	Conv. (cfs)	120018200.0	20853390.0	7133650.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.21	373.40	884.41
Min Ch El (ft)	567.35	Shear (lb/sq ft)	0.34	0.46	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.57	0.92	0.13
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	23325.94	3840.86	5185.45
C & E Loss (ft)		Cum SA (acres)	167.22	21.48	80.47

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3006.25*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.75	500	658	650	653.5	700	650.04
950	629.79	1000	627.47	1100	621.21	1250	617	1350	617
1475	613.5	1950	613.5	2025	613.15	2300	609.97	2600	604.77
3000	602.45	3200	599.55	3400	596.5	3482.49	582.9	3564.98	567.35
3682.49	567.35	3764.98	600	3844.97	653.74	4138.26	710.22	4244.91	720.55
4404.89	731.5	4564.87	732.7	4604.86	736.25				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3764.98	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3764.98	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.23	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	464337.80	66564.23	49399.07
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	464337.80	66564.23	49399.07
Q Total (cfs)	950413.10	Flow (cfs)	770620.80	133973.00	45819.35
Top Width (ft)	4604.86	Top Width (ft)	3400.00	364.98	839.88
Vel Total (ft/s)	1.64	Avg. Vel. (ft/s)	1.66	2.01	0.93
Max Chl Dpth (ft)	192.88	Hydr. Depth (ft)	136.57	182.38	58.82
Conv. Total (cfs)	148068300.0	Conv. (cfs)	120057800.0	20872130.0	7138362.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.22	373.77	886.66
Min Ch El (ft)	567.35	Shear (lb/sq ft)	0.34	0.46	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.57	0.92	0.13
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	23272.76	3833.24	5179.80
C & E Loss (ft)		Cum SA (acres)	166.84	21.44	80.37

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 3001.27*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.72	500	657.99	650	653.46	700	649.98
950	629.66	1000	627.34	1100	621.08	1250	616.93	1350	616.93
1475	613.46	1950	613.46	2025	613.12	2300	609.97	2600	604.79
3000	602.47	3200	599.58	3400	596.54	3482.68	582.92	3565.37	567.35
3682.68	567.35	3765.37	600	3845.58	653.92	4139.69	710.22	4246.64	720.6
4407.06	731.59	4567.48	732.78	4607.59	736.34				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3765.37	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3765.37	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.23	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	464426.40	66626.92	49471.48
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	464426.40	66626.92	49471.48
Q Total (cfs)	950413.00	Flow (cfs)	770542.10	134037.00	45833.94
Top Width (ft)	4607.59	Top Width (ft)	3400.00	365.37	842.22
Vel Total (ft/s)	1.64	Avg. Vel. (ft/s)	1.66	2.01	0.93
Max Chl Dpth (ft)	192.88	Hydr. Depth (ft)	136.60	182.35	58.74
Conv. Total (cfs)	148130300.0	Conv. (cfs)	120095800.0	20890860.0	7143627.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.22	374.15	888.92
Min Ch El (ft)	567.35	Shear (lb/sq ft)	0.34	0.46	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.57	0.92	0.13
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	23219.56	3825.61	5174.14
C & E Loss (ft)		Cum SA (acres)	166.45	21.40	80.27

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2996.28*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.69	500	657.98	650	653.42	700	649.92
950	629.53	1000	627.2	1100	620.96	1250	616.85	1350	616.85
1475	613.42	1950	613.42	2025	613.08	2300	609.97	2600	604.82
3000	602.48	3200	599.6	3400	596.58	3482.88	582.95	3565.76	567.34
3682.88	567.34	3765.76	600	3846.19	654.1	4141.12	710.22	4248.36	720.65
4409.23	731.68	4570.09	732.86	4610.31	736.44				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3765.76	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3765.76	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.23	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	464520.00	66690.71	49542.95
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	464520.00	66690.71	49542.95
Q Total (cfs)	950412.90	Flow (cfs)	770465.00	134100.90	45846.97
Top Width (ft)	4610.31	Top Width (ft)	3400.00	365.76	844.55
Vel Total (ft/s)	1.64	Avg. Vel. (ft/s)	1.66	2.01	0.93
Max Chl Dpth (ft)	192.88	Hydr. Depth (ft)	136.62	182.33	58.66
Conv. Total (cfs)	148194800.0	Conv. (cfs)	120136100.0	20909920.0	7148770.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.22	374.53	891.18
Min Ch El (ft)	567.34	Shear (lb/sq ft)	0.34	0.46	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.57	0.92	0.13
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	23166.35	3817.97	5168.47
C & E Loss (ft)		Cum SA (acres)	166.06	21.36	80.18

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2991.30*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.66	500	657.96	650	653.39	700	649.86
950	629.4	1000	627.07	1100	620.83	1250	616.77	1350	616.77
1475	613.39	1950	613.39	2025	613.05	2300	609.97	2600	604.85
3000	602.5	3200	599.63	3400	596.61	3483.07	582.97	3566.15	567.34
3683.07	567.34	3766.15	600	3846.8	654.28	4142.54	710.22	4250.08	720.7
4411.4	731.78	4572.71	732.94	4613.03	736.54				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3766.15	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3766.15	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.22	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	464604.00	66753.75	49612.15
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	464604.00	66753.75	49612.15
Q Total (cfs)	950412.80	Flow (cfs)	770386.30	134168.50	45858.04
Top Width (ft)	4613.03	Top Width (ft)	3400.00	366.15	846.88
Vel Total (ft/s)	1.64	Avg. Vel. (ft/s)	1.66	2.01	0.92
Max Chl Dpth (ft)	192.88	Hydr. Depth (ft)	136.65	182.31	58.58
Conv. Total (cfs)	148254500.0	Conv. (cfs)	120172300.0	20928890.0	7153378.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.23	374.91	893.43
Min Ch El (ft)	567.34	Shear (lb/sq ft)	0.34	0.46	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.57	0.92	0.13
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	23113.13	3810.33	5162.79
C & E Loss (ft)		Cum SA (acres)	165.67	21.32	80.08

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2986.32*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.63	500	657.95	650	653.35	700	649.8
950	629.27	1000	626.93	1100	620.71	1250	616.69	1350	616.69
1475	613.35	1950	613.35	2025	613.01	2300	609.97	2600	604.88
3000	602.51	3200	599.66	3400	596.65	3483.27	582.99	3566.54	567.33
3683.27	567.33	3766.54	600	3847.42	654.46	4143.97	710.22	4251.81	720.75
4413.56	731.87	4575.32	733.02	4615.76	736.63				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3766.54	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3766.54	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.22	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	464696.10	66818.45	49684.06
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	464696.10	66818.45	49684.06
Q Total (cfs)	950412.80	Flow (cfs)	770306.10	134235.50	45871.30
Top Width (ft)	4615.76	Top Width (ft)	3400.00	366.54	849.22
Vel Total (ft/s)	1.64	Avg. Vel. (ft/s)	1.66	2.01	0.92
Max Chl Dpth (ft)	192.89	Hydr. Depth (ft)	136.68	182.30	58.51
Conv. Total (cfs)	148318900.0	Conv. (cfs)	120211900.0	20948430.0	7158551.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.23	375.29	895.70
Min Ch El (ft)	567.33	Shear (lb/sq ft)	0.34	0.46	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.57	0.92	0.13
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	23059.91	3802.68	5157.10
C & E Loss (ft)		Cum SA (acres)	165.28	21.27	79.98

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2981.34*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.59	500	657.94	650	653.31	700	649.74
950	629.13	1000	626.8	1100	620.58	1250	616.61	1350	616.61
1475	613.31	1950	613.31	2025	612.98	2300	609.97	2600	604.91
3000	602.53	3200	599.68	3400	596.69	3483.46	583.02	3566.93	567.33
3683.46	567.33	3766.93	600	3848.03	654.64	4145.4	710.22	4253.53	720.79
4415.73	731.97	4577.93	733.1	4618.48	736.73				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3766.93	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3766.93	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.22	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	464789.40	66880.18	49754.17
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	464789.40	66880.18	49754.17
Q Total (cfs)	950412.70	Flow (cfs)	770234.90	134295.00	45882.75
Top Width (ft)	4618.48	Top Width (ft)	3400.00	366.93	851.55
Vel Total (ft/s)	1.63	Avg. Vel. (ft/s)	1.66	2.01	0.92
Max Chl Dpth (ft)	192.89	Hydr. Depth (ft)	136.70	182.27	58.43
Conv. Total (cfs)	148382100.0	Conv. (cfs)	120252000.0	20966640.0	7163391.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.23	375.67	897.95
Min Ch El (ft)	567.33	Shear (lb/sq ft)	0.34	0.46	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.57	0.92	0.13
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	23006.67	3795.02	5151.40
C & E Loss (ft)		Cum SA (acres)	164.89	21.23	79.89

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2976.36*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.56	500	657.93	650	653.27	700	649.68
950	629	1000	626.66	1100	620.46	1250	616.54	1350	616.54
1475	613.27	1950	613.27	2025	612.94	2300	609.97	2600	604.94
3000	602.54	3200	599.71	3400	596.73	3483.66	583.04	3567.32	567.33
3683.66	567.33	3767.32	600	3848.64	654.82	4146.82	710.22	4255.25	720.84
4417.9	732.06	4580.54	733.18	4621.21	736.83				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3767.32	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3767.32	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.22	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	464878.80	66942.81	49824.09
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	464878.80	66942.81	49824.09
Q Total (cfs)	950412.60	Flow (cfs)	770160.10	134358.40	45894.07
Top Width (ft)	4621.21	Top Width (ft)	3400.00	367.32	853.89
Vel Total (ft/s)	1.63	Avg. Vel. (ft/s)	1.66	2.01	0.92
Max Chl Dpth (ft)	192.89	Hydr. Depth (ft)	136.73	182.25	58.35
Conv. Total (cfs)	148443900.0	Conv. (cfs)	120290500.0	20985300.0	7168145.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.24	376.05	900.21
Min Ch El (ft)	567.33	Shear (lb/sq ft)	0.34	0.46	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.57	0.91	0.13
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	22953.42	3787.36	5145.70
C & E Loss (ft)		Cum SA (acres)	164.50	21.19	79.79

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2971.38*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.53	500	657.92	650	653.23	700	649.62
950	628.87	1000	626.53	1100	620.33	1250	616.46	1350	616.46
1475	613.23	1950	613.23	2025	612.91	2300	609.97	2600	604.96
3000	602.56	3200	599.74	3400	596.77	3483.85	583.06	3567.7	567.32
3683.85	567.32	3767.7	600	3849.25	655.01	4148.25	710.23	4256.98	720.89
4420.07	732.16	4583.16	733.26	4623.93	736.93				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3767.7	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3767.7	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.22	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	464969.70	67005.67	49889.70
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	464969.70	67005.67	49889.70
Q Total (cfs)	950412.50	Flow (cfs)	770090.10	134423.80	45898.69
Top Width (ft)	4623.93	Top Width (ft)	3400.00	367.70	856.23
Vel Total (ft/s)	1.63	Avg. Vel. (ft/s)	1.66	2.01	0.92
Max Chl Dpth (ft)	192.90	Hydr. Depth (ft)	136.76	182.23	58.27
Conv. Total (cfs)	148505700.0	Conv. (cfs)	120329600.0	21004240.0	7171851.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.24	376.42	902.48
Min Ch El (ft)	567.32	Shear (lb/sq ft)	0.34	0.46	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.57	0.91	0.13
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	22900.16	3779.69	5139.99
C & E Loss (ft)		Cum SA (acres)	164.11	21.15	79.69

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2966.40*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.5	500	657.9	650	653.19	700	649.56
950	628.74	1000	626.39	1100	620.21	1250	616.38	1350	616.38
1475	613.19	1950	613.19	2025	612.87	2300	609.97	2600	604.99
3000	602.57	3200	599.77	3400	596.81	3484.05	583.09	3568.09	567.32
3684.05	567.32	3768.09	600	3849.86	655.19	4149.68	710.23	4258.7	720.94
4422.23	732.25	4585.77	733.35	4626.65	737.02				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3768.09	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3768.09	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.22	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	465063.80	67067.43	49958.11
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	465063.80	67067.43	49958.11
Q Total (cfs)	950412.40	Flow (cfs)	770021.90	134483.00	45907.46
Top Width (ft)	4626.65	Top Width (ft)	3400.00	368.09	858.56
Vel Total (ft/s)	1.63	Avg. Vel. (ft/s)	1.66	2.01	0.92
Max Chl Dpth (ft)	192.90	Hydr. Depth (ft)	136.78	182.20	58.19
Conv. Total (cfs)	148568800.0	Conv. (cfs)	120370100.0	21022430.0	7176270.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.25	376.80	904.74
Min Ch El (ft)	567.32	Shear (lb/sq ft)	0.34	0.45	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.56	0.91	0.13
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	22846.89	3772.01	5134.27
C & E Loss (ft)		Cum SA (acres)	163.72	21.11	79.59

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2961.42*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.47	500	657.89	650	653.15	700	649.5
950	628.61	1000	626.26	1100	620.09	1250	616.3	1350	616.3
1475	613.15	1950	613.15	2025	612.84	2300	609.97	2600	605.02
3000	602.59	3200	599.79	3400	596.85	3484.24	583.11	3568.48	567.32
3684.24	567.32	3768.48	600	3850.47	655.37	4151.1	710.23	4260.42	720.99
4424.4	732.35	4588.38	733.43	4629.38	737.12				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3768.48	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3768.48	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.22	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	465152.00	67129.95	50025.34
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	465152.00	67129.95	50025.34
Q Total (cfs)	950412.30	Flow (cfs)	769950.00	134547.20	45915.09
Top Width (ft)	4629.38	Top Width (ft)	3400.00	368.48	860.90
Vel Total (ft/s)	1.63	Avg. Vel. (ft/s)	1.66	2.00	0.92
Max Chl Dpth (ft)	192.90	Hydr. Depth (ft)	136.81	182.18	58.11
Conv. Total (cfs)	148629500.0	Conv. (cfs)	120408000.0	21041060.0	7180397.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.25	377.18	907.00
Min Ch El (ft)	567.32	Shear (lb/sq ft)	0.34	0.45	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.56	0.91	0.13
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	22793.61	3764.32	5128.54
C & E Loss (ft)		Cum SA (acres)	163.33	21.06	79.49

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2956.44*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.44	500	657.88	650	653.11	700	649.44
950	628.48	1000	626.12	1100	619.96	1250	616.23	1350	616.23
1475	613.11	1950	613.11	2025	612.8	2300	609.97	2600	605.05
3000	602.6	3200	599.82	3400	596.89	3484.44	583.13	3568.87	567.31
3684.44	567.31	3768.87	600	3851.08	655.55	4152.53	710.23	4262.15	721.04
4426.57	732.44	4590.99	733.51	4632.1	737.22				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3768.87	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3768.87	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.22	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	465242.90	67194.53	50094.05
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	465242.90	67194.53	50094.05
Q Total (cfs)	950412.30	Flow (cfs)	769873.20	134614.50	45924.68
Top Width (ft)	4632.10	Top Width (ft)	3400.00	368.87	863.23
Vel Total (ft/s)	1.63	Avg. Vel. (ft/s)	1.65	2.00	0.92
Max Chl Dpth (ft)	192.91	Hydr. Depth (ft)	136.84	182.16	58.03
Conv. Total (cfs)	148692600.0	Conv. (cfs)	120447200.0	21060520.0	7184947.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.25	377.56	909.26
Min Ch El (ft)	567.31	Shear (lb/sq ft)	0.34	0.45	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.56	0.91	0.13
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	22740.32	3756.63	5122.81
C & E Loss (ft)		Cum SA (acres)	162.94	21.02	79.39

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2951.46*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.41	500	657.87	650	653.07	700	649.38
950	628.35	1000	625.99	1100	619.84	1250	616.15	1350	616.15
1475	613.07	1950	613.07	2025	612.77	2300	609.97	2600	605.08
3000	602.62	3200	599.85	3400	596.93	3484.63	583.16	3569.26	567.31
3684.63	567.31	3769.26	600	3851.7	655.73	4153.96	710.23	4263.87	721.09
4428.74	732.53	4593.61	733.59	4634.82	737.32				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3769.26	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3769.26	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.22	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	465329.00	67256.18	50162.84
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	465329.00	67256.18	50162.84
Q Total (cfs)	950412.10	Flow (cfs)	769800.30	134676.30	45935.48
Top Width (ft)	4634.82	Top Width (ft)	3400.00	369.26	865.56
Vel Total (ft/s)	1.63	Avg. Vel. (ft/s)	1.65	2.00	0.92
Max Chl Dpth (ft)	192.91	Hydr. Depth (ft)	136.86	182.14	57.95
Conv. Total (cfs)	148752500.0	Conv. (cfs)	120484200.0	21078680.0	7189529.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.26	377.94	911.51
Min Ch El (ft)	567.31	Shear (lb/sq ft)	0.34	0.45	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.56	0.91	0.13
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	22687.02	3748.92	5117.07
C & E Loss (ft)		Cum SA (acres)	162.55	20.98	79.30

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2946.48*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.37	500	657.86	650	653.04	700	649.32
950	628.22	1000	625.85	1100	619.71	1250	616.07	1350	616.07
1475	613.04	1950	613.04	2025	612.73	2300	609.97	2600	605.11
3000	602.63	3200	599.88	3400	596.96	3484.82	583.18	3569.65	567.3
3684.82	567.3	3769.65	600	3852.31	655.91	4155.38	710.23	4265.59	721.14
4430.91	732.63	4596.22	733.67	4637.55	737.41				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3769.65	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3769.65	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.22	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	465418.80	67321.07	50229.19
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	465418.80	67321.07	50229.19
Q Total (cfs)	950412.10	Flow (cfs)	769725.10	134745.90	45941.16
Top Width (ft)	4637.55	Top Width (ft)	3400.00	369.65	867.90
Vel Total (ft/s)	1.63	Avg. Vel. (ft/s)	1.65	2.00	0.91
Max Chl Dpth (ft)	192.92	Hydr. Depth (ft)	136.89	182.12	57.87
Conv. Total (cfs)	148814700.0	Conv. (cfs)	120522900.0	21098400.0	7193426.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.26	378.32	913.78
Min Ch El (ft)	567.30	Shear (lb/sq ft)	0.34	0.45	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.56	0.91	0.13
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	22633.71	3741.22	5111.32
C & E Loss (ft)		Cum SA (acres)	162.16	20.94	79.20

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2941.50*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.34	500	657.84	650	653	700	649.26
950	628.09	1000	625.72	1100	619.59	1250	615.99	1350	615.99
1475	613	1950	613	2025	612.7	2300	609.97	2600	605.14
3000	602.65	3200	599.9	3400	597	3485.02	583.2	3570.04	567.3
3685.02	567.3	3770.04	600	3852.92	656.09	4156.81	710.23	4267.31	721.19
4433.07	732.72	4598.83	733.75	4640.27	737.51				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3770.04	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3770.04	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.22	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	465509.30	67383.58	50296.59
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	465509.30	67383.58	50296.59
Q Total (cfs)	950411.90	Flow (cfs)	769654.10	134808.50	45949.27
Top Width (ft)	4640.27	Top Width (ft)	3400.00	370.04	870.23
Vel Total (ft/s)	1.63	Avg. Vel. (ft/s)	1.65	2.00	0.91
Max Chl Dpth (ft)	192.92	Hydr. Depth (ft)	136.91	182.10	57.80
Conv. Total (cfs)	148876500.0	Conv. (cfs)	120561800.0	21116980.0	7197686.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.27	378.70	916.04
Min Ch El (ft)	567.30	Shear (lb/sq ft)	0.34	0.45	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.56	0.91	0.13
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	22580.39	3733.50	5105.56
C & E Loss (ft)		Cum SA (acres)	161.77	20.90	79.10

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2936.52*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.31	500	657.83	650	652.96	700	649.2
950	627.96	1000	625.58	1100	619.46	1250	615.91	1350	615.91
1475	612.96	1950	612.96	2025	612.66	2300	609.97	2600	605.16
3000	602.66	3200	599.93	3400	597.04	3485.21	583.23	3570.43	567.3
3685.21	567.3	3770.43	600	3853.53	656.27	4158.24	710.23	4269.04	721.24
4435.24	732.82	4601.44	733.83	4643	737.61				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3770.43	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3770.43	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.22	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	465605.60	67445.15	50362.38
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	465605.60	67445.15	50362.38
Q Total (cfs)	950411.90	Flow (cfs)	769591.00	134866.70	45954.13
Top Width (ft)	4643.00	Top Width (ft)	3400.00	370.43	872.57
Vel Total (ft/s)	1.63	Avg. Vel. (ft/s)	1.65	2.00	0.91
Max Chl Dpth (ft)	192.92	Hydr. Depth (ft)	136.94	182.07	57.72
Conv. Total (cfs)	148939900.0	Conv. (cfs)	120603300.0	21135090.0	7201513.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.27	379.08	918.30
Min Ch El (ft)	567.30	Shear (lb/sq ft)	0.34	0.45	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.56	0.90	0.13
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	22527.06	3725.78	5099.79
C & E Loss (ft)		Cum SA (acres)	161.38	20.85	79.00

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2931.54*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.28	500	657.82	650	652.92	700	649.14
950	627.82	1000	625.45	1100	619.34	1250	615.84	1350	615.84
1475	612.92	1950	612.92	2025	612.63	2300	609.97	2600	605.19
3000	602.68	3200	599.96	3400	597.08	3485.41	583.25	3570.82	567.29
3685.41	567.29	3770.82	600	3854.14	656.45	4159.66	710.24	4270.76	721.29
4437.41	732.91	4604.06	733.91	4645.72	737.7				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3770.82	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3770.82	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.22	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	465691.30	67509.67	50427.05
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	465691.30	67509.67	50427.05
Q Total (cfs)	950411.80	Flow (cfs)	769516.90	134936.40	45958.45
Top Width (ft)	4645.72	Top Width (ft)	3400.00	370.82	874.90
Vel Total (ft/s)	1.63	Avg. Vel. (ft/s)	1.65	2.00	0.91
Max Chl Dpth (ft)	192.93	Hydr. Depth (ft)	136.97	182.06	57.64
Conv. Total (cfs)	148999800.0	Conv. (cfs)	120640200.0	21154510.0	7205088.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.28	379.46	920.57
Min Ch El (ft)	567.29	Shear (lb/sq ft)	0.34	0.45	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.56	0.90	0.13
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	22473.71	3718.05	5094.02
C & E Loss (ft)		Cum SA (acres)	160.99	20.81	78.90

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2926.56*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.25	500	657.81	650	652.88	700	649.08
950	627.69	1000	625.32	1100	619.21	1250	615.76	1350	615.76
1475	612.88	1950	612.88	2025	612.59	2300	609.97	2600	605.22
3000	602.69	3200	599.98	3400	597.12	3485.6	583.27	3571.21	567.29
3685.6	567.29	3771.21	600	3854.75	656.63	4161.09	710.24	4272.48	721.34
4439.58	733.01	4606.67	733.99	4648.44	737.8				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3771.21	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3771.21	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.22	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	465785.50	67572.08	50491.76
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	465785.50	67572.08	50491.76
Q Total (cfs)	950411.70	Flow (cfs)	769451.60	134997.90	45962.32
Top Width (ft)	4648.44	Top Width (ft)	3400.00	371.21	877.23
Vel Total (ft/s)	1.63	Avg. Vel. (ft/s)	1.65	2.00	0.91
Max Chl Dpth (ft)	192.93	Hydr. Depth (ft)	137.00	182.03	57.56
Conv. Total (cfs)	149062600.0	Conv. (cfs)	120680800.0	21173070.0	7208731.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.28	379.84	922.82
Min Ch El (ft)	567.29	Shear (lb/sq ft)	0.34	0.45	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.56	0.90	0.13
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	22420.36	3710.31	5088.24
C & E Loss (ft)		Cum SA (acres)	160.60	20.77	78.80

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2921.58*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.22	500	657.8	650	652.84	700	649.02
950	627.56	1000	625.18	1100	619.09	1250	615.68	1350	615.68
1475	612.84	1950	612.84	2025	612.56	2300	609.98	2600	605.25
3000	602.7	3200	600.01	3400	597.16	3485.8	583.3	3571.6	567.28
3685.8	567.28	3771.6	600	3855.36	656.81	4162.52	710.24	4274.21	721.39
4441.75	733.1	4609.28	734.08	4651.17	737.9				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3771.6	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3771.6	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.22	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	465872.40	67635.63	50557.04
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	465872.40	67635.63	50557.04
Q Total (cfs)	950411.60	Flow (cfs)	769380.00	135064.00	45967.66
Top Width (ft)	4651.17	Top Width (ft)	3400.00	371.60	879.57
Vel Total (ft/s)	1.63	Avg. Vel. (ft/s)	1.65	2.00	0.91
Max Chl Dpth (ft)	192.94	Hydr. Depth (ft)	137.02	182.01	57.48
Conv. Total (cfs)	149122700.0	Conv. (cfs)	120718200.0	21191970.0	7212475.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.28	380.22	925.09
Min Ch El (ft)	567.28	Shear (lb/sq ft)	0.34	0.45	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.56	0.90	0.13
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	22367.00	3702.57	5082.45
C & E Loss (ft)		Cum SA (acres)	160.21	20.73	78.70

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2916.6*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.19	500	657.79	650	652.8	700	648.96
950	627.43	1000	625.05	1100	618.97	1250	615.6	1350	615.6
1475	612.8	1950	612.8	2025	612.52	2300	609.98	2600	605.28
3000	602.72	3200	600.04	3400	597.2	3485.99	583.32	3571.98	567.28
3685.99	567.28	3771.98	600	3855.98	656.99	4163.94	710.24	4275.93	721.44
4443.91	733.2	4611.9	734.16	4653.89	738				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3771.98	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3771.98	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.22	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	465960.40	67696.31	50622.55
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	465960.40	67696.31	50622.55
Q Total (cfs)	950411.50	Flow (cfs)	769313.40	135124.50	45973.55
Top Width (ft)	4653.89	Top Width (ft)	3400.00	371.98	881.91
Vel Total (ft/s)	1.63	Avg. Vel. (ft/s)	1.65	2.00	0.91
Max Chl Dpth (ft)	192.94	Hydr. Depth (ft)	137.05	181.99	57.40
Conv. Total (cfs)	149182400.0	Conv. (cfs)	120756100.0	21209960.0	7216288.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.29	380.59	927.35
Min Ch El (ft)	567.28	Shear (lb/sq ft)	0.34	0.45	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.56	0.90	0.13
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	22313.63	3694.82	5076.66
C & E Loss (ft)		Cum SA (acres)	159.82	20.68	78.59

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2911.62*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.15	500	657.77	650	652.76	700	648.9
950	627.3	1000	624.91	1100	618.84	1250	615.53	1350	615.53
1475	612.76	1950	612.76	2025	612.49	2300	609.98	2600	605.31
3000	602.73	3200	600.07	3400	597.24	3486.19	583.34	3572.37	567.28
3686.19	567.28	3772.37	600	3856.59	657.17	4165.37	710.24	4277.65	721.49
4446.08	733.29	4614.51	734.24	4656.61	738.09				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3772.37	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3772.37	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.22	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	466054.50	67758.77	50688.14
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	466054.50	67758.77	50688.14
Q Total (cfs)	950411.40	Flow (cfs)	769247.10	135185.60	45978.61
Top Width (ft)	4656.61	Top Width (ft)	3400.00	372.37	884.24
Vel Total (ft/s)	1.63	Avg. Vel. (ft/s)	1.65	2.00	0.91
Max Chl Dpth (ft)	192.94	Hydr. Depth (ft)	137.07	181.97	57.32
Conv. Total (cfs)	149245300.0	Conv. (cfs)	120796600.0	21228500.0	7220125.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.29	380.97	929.62
Min Ch El (ft)	567.28	Shear (lb/sq ft)	0.34	0.45	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.56	0.90	0.13
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	22260.24	3687.06	5070.85
C & E Loss (ft)		Cum SA (acres)	159.44	20.64	78.49

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2906.63*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.12	500	657.76	650	652.72	700	648.84
950	627.17	1000	624.78	1100	618.72	1250	615.45	1350	615.45
1475	612.72	1950	612.72	2025	612.45	2300	609.98	2600	605.34
3000	602.75	3200	600.09	3400	597.28	3486.38	583.37	3572.76	567.27
3686.38	567.27	3772.76	600	3857.2	657.35	4166.8	710.24	4279.38	721.54
4448.25	733.39	4617.12	734.32	4659.34	738.19				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3772.76	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3772.76	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.22	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	466144.30	67822.23	50751.68
E.G. Slope (ft/ft)	0.000041	Area (sq ft)	466144.30	67822.23	50751.68
Q Total (cfs)	950411.40	Flow (cfs)	769179.60	135250.70	45981.15
Top Width (ft)	4659.34	Top Width (ft)	3400.00	372.76	886.58
Vel Total (ft/s)	1.63	Avg. Vel. (ft/s)	1.65	1.99	0.91
Max Chl Dpth (ft)	192.95	Hydr. Depth (ft)	137.10	181.95	57.24
Conv. Total (cfs)	149306200.0	Conv. (cfs)	120835300.0	21247390.0	7223473.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.30	381.35	931.89
Min Ch El (ft)	567.27	Shear (lb/sq ft)	0.34	0.45	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.56	0.90	0.12
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	22206.85	3679.29	5065.04
C & E Loss (ft)		Cum SA (acres)	159.05	20.60	78.39

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2901.65*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.09	500	657.75	650	652.68	700	648.78
950	627.04	1000	624.64	1100	618.59	1250	615.37	1350	615.37
1475	612.68	1950	612.68	2025	612.42	2300	609.98	2600	605.36
3000	602.76	3200	600.12	3400	597.32	3486.58	583.39	3573.15	567.27
3686.58	567.27	3773.15	600	3857.81	657.53	4168.22	710.24	4281.1	721.59
4450.42	733.48	4619.73	734.4	4662.06	738.29				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3773.15	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3773.15	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.22	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	466239.00	67884.56	50815.95
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	466239.00	67884.56	50815.95
Q Total (cfs)	950411.30	Flow (cfs)	769115.40	135311.30	45984.60
Top Width (ft)	4662.06	Top Width (ft)	3400.00	373.15	888.91
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)	1.65	1.99	0.90
Max Chl Dpth (ft)	192.95	Hydr. Depth (ft)	137.13	181.92	57.17
Conv. Total (cfs)	149369100.0	Conv. (cfs)	120876100.0	21265870.0	7227057.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.30	381.73	934.14
Min Ch El (ft)	567.27	Shear (lb/sq ft)	0.34	0.45	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.56	0.90	0.12
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	22153.45	3671.52	5059.23
C & E Loss (ft)		Cum SA (acres)	158.66	20.55	78.29

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2896.67*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.06	500	657.74	650	652.65	700	648.72
950	626.91	1000	624.51	1100	618.47	1250	615.29	1350	615.29
1475	612.65	1950	612.65	2025	612.38	2300	609.98	2600	605.39
3000	602.78	3200	600.15	3400	597.35	3486.77	583.41	3573.54	567.26
3686.77	567.26	3773.54	600	3858.42	657.72	4169.65	710.25	4282.82	721.64
4452.58	733.57	4622.35	734.48	4664.79	738.39				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3773.54	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3773.54	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.22	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	466321.60	67949.40	50876.34
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	466321.60	67949.40	50876.34
Q Total (cfs)	950411.20	Flow (cfs)	769043.80	135384.00	45983.34
Top Width (ft)	4664.79	Top Width (ft)	3400.00	373.54	891.25
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)	1.65	1.99	0.90
Max Chl Dpth (ft)	192.96	Hydr. Depth (ft)	137.15	181.91	57.08
Conv. Total (cfs)	149426900.0	Conv. (cfs)	120911700.0	21285540.0	7229657.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.31	382.11	936.42
Min Ch El (ft)	567.26	Shear (lb/sq ft)	0.34	0.45	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.56	0.89	0.12
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	22100.03	3663.74	5053.40
C & E Loss (ft)		Cum SA (acres)	158.27	20.51	78.19

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2891.69*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674.03	500	657.73	650	652.61	700	648.66
950	626.78	1000	624.37	1100	618.34	1250	615.21	1350	615.21
1475	612.61	1950	612.61	2025	612.35	2300	609.98	2600	605.42
3000	602.79	3200	600.18	3400	597.39	3486.96	583.44	3573.93	567.26
3686.96	567.26	3773.93	600	3859.03	657.9	4171.08	710.25	4284.55	721.69
4454.75	733.67	4624.96	734.56	4667.51	738.48				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3773.93	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3773.93	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.22	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	466412.80	68010.81	50938.80
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	466412.80	68010.81	50938.80
Q Total (cfs)	950411.10	Flow (cfs)	768982.70	135443.80	45984.63
Top Width (ft)	4667.51	Top Width (ft)	3400.00	373.93	893.58
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)	1.65	1.99	0.90
Max Chl Dpth (ft)	192.96	Hydr. Depth (ft)	137.18	181.88	57.01
Conv. Total (cfs)	149487300.0	Conv. (cfs)	120951000.0	21303550.0	7232787.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.31	382.49	938.68
Min Ch El (ft)	567.26	Shear (lb/sq ft)	0.34	0.45	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.56	0.89	0.12
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	22046.61	3655.95	5047.57
C & E Loss (ft)		Cum SA (acres)	157.88	20.47	78.09

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2886.71*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	674	500	657.71	650	652.57	700	648.6
950	626.65	1000	624.24	1100	618.22	1250	615.14	1350	615.14
1475	612.57	1950	612.57	2025	612.31	2300	609.98	2600	605.45
3000	602.81	3200	600.2	3400	597.43	3487.16	583.46	3574.32	567.26
3687.16	567.26	3774.32	600	3859.64	658.08	4172.5	710.25	4286.27	721.73
4456.92	733.76	4627.57	734.64	4670.23	738.58				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3774.32	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3774.32	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.21	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	466502.60	68073.12	51003.30
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	466502.60	68073.12	51003.30
Q Total (cfs)	950411.00	Flow (cfs)	768915.80	135506.00	45989.25
Top Width (ft)	4670.23	Top Width (ft)	3400.00	374.32	895.91
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)	1.65	1.99	0.90
Max Chl Dpth (ft)	192.95	Hydr. Depth (ft)	137.21	181.86	56.93
Conv. Total (cfs)	149548100.0	Conv. (cfs)	120989700.0	21322000.0	7236456.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.32	382.87	940.94
Min Ch El (ft)	567.26	Shear (lb/sq ft)	0.34	0.45	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.56	0.89	0.12
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	21993.17	3648.16	5041.73
C & E Loss (ft)		Cum SA (acres)	157.49	20.43	77.98

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2881.73*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.97	500	657.7	650	652.53	700	648.54
950	626.51	1000	624.1	1100	618.09	1250	615.06	1350	615.06
1475	612.53	1950	612.53	2025	612.28	2300	609.98	2600	605.48
3000	602.82	3200	600.23	3400	597.47	3487.35	583.48	3574.71	567.25
3687.35	567.25	3774.71	600	3860.26	658.26	4173.93	710.25	4287.99	721.78
4459.09	733.86	4630.18	734.72	4672.96	738.68				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3774.71	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3774.71	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.21	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	466595.70	68137.43	51065.63
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	466595.70	68137.43	51065.63
Q Total (cfs)	950410.90	Flow (cfs)	768848.90	135572.10	45989.81
Top Width (ft)	4672.96	Top Width (ft)	3400.00	374.71	898.25
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)	1.65	1.99	0.90
Max Chl Dpth (ft)	192.96	Hydr. Depth (ft)	137.23	181.84	56.85
Conv. Total (cfs)	149610700.0	Conv. (cfs)	121029800.0	21341330.0	7239572.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.33	383.26	943.21
Min Ch El (ft)	567.25	Shear (lb/sq ft)	0.34	0.45	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.56	0.89	0.12
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	21939.73	3640.35	5035.88
C & E Loss (ft)		Cum SA (acres)	157.10	20.38	77.88

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2876.75*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.93	500	657.69	650	652.49	700	648.49
950	626.38	1000	623.97	1100	617.97	1250	614.98	1350	614.98
1475	612.49	1950	612.49	2025	612.24	2300	609.98	2600	605.51
3000	602.84	3200	600.26	3400	597.51	3487.55	583.51	3575.1	567.25
3687.55	567.25	3775.1	600	3860.87	658.44	4175.36	710.25	4289.72	721.83
4461.26	733.95	4632.8	734.81	4675.68	738.77				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3775.1	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3775.1	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.21	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	466684.70	68198.84	51127.63
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	466684.70	68198.84	51127.63
Q Total (cfs)	950410.90	Flow (cfs)	768787.50	135632.40	45990.97
Top Width (ft)	4675.68	Top Width (ft)	3400.00	375.10	900.58
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)	1.65	1.99	0.90
Max Chl Dpth (ft)	192.96	Hydr. Depth (ft)	137.26	181.82	56.77
Conv. Total (cfs)	149670100.0	Conv. (cfs)	121068200.0	21359310.0	7242628.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.33	383.63	945.48
Min Ch El (ft)	567.25	Shear (lb/sq ft)	0.34	0.45	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.56	0.89	0.12
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	21886.27	3632.55	5030.03
C & E Loss (ft)		Cum SA (acres)	156.71	20.34	77.78

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2871.77*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.9	500	657.68	650	652.45	700	648.43
950	626.25	1000	623.83	1100	617.84	1250	614.9	1350	614.9
1475	612.45	1950	612.45	2025	612.21	2300	609.98	2600	605.54
3000	602.85	3200	600.28	3400	597.55	3487.74	583.53	3575.49	567.25
3687.74	567.25	3775.49	600	3861.48	658.62	4176.78	710.25	4291.44	721.88
4463.42	734.05	4635.41	734.89	4678.4	738.87				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3775.49	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3775.49	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.21	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	466777.80	68261.05	51187.86
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	466777.80	68261.05	51187.86
Q Total (cfs)	950410.80	Flow (cfs)	768727.70	135694.00	45989.20
Top Width (ft)	4678.40	Top Width (ft)	3400.00	375.49	902.91
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)	1.65	1.99	0.90
Max Chl Dpth (ft)	192.96	Hydr. Depth (ft)	137.29	181.79	56.69
Conv. Total (cfs)	149731300.0	Conv. (cfs)	121108300.0	21377740.0	7245311.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.34	384.01	947.74
Min Ch El (ft)	567.25	Shear (lb/sq ft)	0.34	0.45	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.56	0.89	0.12
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	21832.80	3624.73	5024.17
C & E Loss (ft)		Cum SA (acres)	156.32	20.30	77.67

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2866.79*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.87	500	657.67	650	652.41	700	648.37
950	626.12	1000	623.7	1100	617.72	1250	614.82	1350	614.82
1475	612.41	1950	612.41	2025	612.17	2300	609.98	2600	605.56
3000	602.87	3200	600.31	3400	597.59	3487.94	583.55	3575.88	567.24
3687.94	567.24	3775.88	600	3862.09	658.8	4178.21	710.25	4293.16	721.93
4465.59	734.14	4638.02	734.97	4681.13	738.97				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3775.88	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3775.88	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.21	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	466869.20	68325.27	51250.13
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	466869.20	68325.27	51250.13
Q Total (cfs)	950410.70	Flow (cfs)	768660.50	135760.10	45990.07
Top Width (ft)	4681.13	Top Width (ft)	3400.00	375.88	905.25
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)	1.65	1.99	0.90
Max Chl Dpth (ft)	192.97	Hydr. Depth (ft)	137.31	181.77	56.61
Conv. Total (cfs)	149793100.0	Conv. (cfs)	121147700.0	21396990.0	7248440.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.34	384.40	950.01
Min Ch El (ft)	567.24	Shear (lb/sq ft)	0.34	0.45	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.55	0.89	0.12
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	21779.33	3616.91	5018.30
C & E Loss (ft)		Cum SA (acres)	155.93	20.25	77.57

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2861.81*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.84	500	657.65	650	652.37	700	648.31
950	625.99	1000	623.56	1100	617.6	1250	614.75	1350	614.75
1475	612.37	1950	612.37	2025	612.14	2300	609.98	2600	605.59
3000	602.88	3200	600.34	3400	597.63	3488.13	583.58	3576.26	567.24
3688.13	567.24	3776.26	600	3862.7	658.98	4179.64	710.25	4294.89	721.98
4467.76	734.24	4640.63	735.05	4683.85	739.07				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3776.26	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3776.26	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.21	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	466959.10	68384.93	51311.47
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	466959.10	68384.93	51311.47
Q Total (cfs)	950410.60	Flow (cfs)	768603.10	135817.00	45990.48
Top Width (ft)	4683.85	Top Width (ft)	3400.00	376.26	907.59
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)	1.65	1.99	0.90
Max Chl Dpth (ft)	192.97	Hydr. Depth (ft)	137.34	181.75	56.54
Conv. Total (cfs)	149852200.0	Conv. (cfs)	121186400.0	21414410.0	7251366.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.35	384.77	952.28
Min Ch El (ft)	567.24	Shear (lb/sq ft)	0.34	0.45	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.55	0.89	0.12
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	21725.84	3609.08	5012.43
C & E Loss (ft)		Cum SA (acres)	155.54	20.21	77.47

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2856.83*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.81	500	657.64	650	652.33	700	648.25
950	625.86	1000	623.43	1100	617.47	1250	614.67	1350	614.67
1475	612.33	1950	612.33	2025	612.1	2300	609.98	2600	605.62
3000	602.9	3200	600.37	3400	597.67	3488.33	583.6	3576.65	567.23
3688.33	567.23	3776.65	600	3863.31	659.16	4181.06	710.26	4296.61	722.03
4469.93	734.33	4643.25	735.13	4686.58	739.16				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3776.65	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3776.65	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.21	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	467048.60	68449.15	51370.81
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	467048.60	68449.15	51370.81
Q Total (cfs)	950410.50	Flow (cfs)	768538.80	135884.50	45987.25
Top Width (ft)	4686.58	Top Width (ft)	3400.00	376.65	909.93
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)	1.65	1.99	0.90
Max Chl Dpth (ft)	192.98	Hydr. Depth (ft)	137.37	181.73	56.46
Conv. Total (cfs)	149912400.0	Conv. (cfs)	121225000.0	21433670.0	7253772.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.35	385.15	954.56
Min Ch El (ft)	567.23	Shear (lb/sq ft)	0.34	0.45	0.14
Alpha	1.06	Stream Power (lb/ft s)	0.55	0.89	0.12
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	21672.34	3601.24	5006.55
C & E Loss (ft)		Cum SA (acres)	155.15	20.17	77.36

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2851.85*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.78	500	657.63	650	652.3	700	648.19
950	625.73	1000	623.29	1100	617.35	1250	614.59	1350	614.59
1475	612.3	1950	612.3	2025	612.07	2300	609.98	2600	605.65
3000	602.91	3200	600.39	3400	597.7	3488.52	583.62	3577.04	567.23
3688.52	567.23	3777.04	600	3863.92	659.34	4182.49	710.26	4298.33	722.08
4472.1	734.42	4645.86	735.21	4689.3	739.26				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3777.04	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3777.04	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.21	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	467134.70	68511.79	51431.70
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	467134.70	68511.79	51431.70
Q Total (cfs)	950410.40	Flow (cfs)	768473.10	135949.80	45987.52
Top Width (ft)	4689.30	Top Width (ft)	3400.00	377.04	912.26
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)	1.65	1.98	0.89
Max Chl Dpth (ft)	192.98	Hydr. Depth (ft)	137.39	181.71	56.38
Conv. Total (cfs)	149971200.0	Conv. (cfs)	121262100.0	21452360.0	7256657.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.36	385.53	956.82
Min Ch El (ft)	567.23	Shear (lb/sq ft)	0.34	0.45	0.13
Alpha	1.06	Stream Power (lb/ft s)	0.55	0.88	0.12
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	21618.84	3593.39	5000.66
C & E Loss (ft)		Cum SA (acres)	154.76	20.13	77.26

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2846.87*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.75	500	657.62	650	652.26	700	648.13
950	625.6	1000	623.16	1100	617.22	1250	614.51	1350	614.51
1475	612.26	1950	612.26	2025	612.03	2300	609.98	2600	605.68
3000	602.93	3200	600.42	3400	597.74	3488.72	583.65	3577.43	567.23
3688.72	567.23	3777.43	600	3864.54	659.52	4183.92	710.26	4300.06	722.13
4474.26	734.52	4648.47	735.29	4692.02	739.36				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3777.43	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3777.43	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.21	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	467224.00	68573.05	51491.13
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	467224.00	68573.05	51491.13
Q Total (cfs)	950410.40	Flow (cfs)	768414.90	136009.80	45985.64
Top Width (ft)	4692.02	Top Width (ft)	3400.00	377.43	914.59
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)	1.64	1.98	0.89
Max Chl Dpth (ft)	192.98	Hydr. Depth (ft)	137.42	181.68	56.30
Conv. Total (cfs)	150030100.0	Conv. (cfs)	121300600.0	21470260.0	7259213.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.36	385.91	959.08
Min Ch El (ft)	567.23	Shear (lb/sq ft)	0.34	0.45	0.13
Alpha	1.06	Stream Power (lb/ft s)	0.55	0.88	0.12
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	21565.32	3585.54	4994.76
C & E Loss (ft)		Cum SA (acres)	154.37	20.08	77.15

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2841.89*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.71	500	657.61	650	652.22	700	648.07
950	625.47	1000	623.02	1100	617.1	1250	614.44	1350	614.44
1475	612.22	1950	612.22	2025	612	2300	609.98	2600	605.71
3000	602.94	3200	600.45	3400	597.78	3488.91	583.67	3577.82	567.22
3688.91	567.22	3777.82	600	3865.15	659.7	4185.34	710.26	4301.78	722.18
4476.43	734.61	4651.08	735.37	4694.75	739.46				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3777.82	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3777.82	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.21	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	467314.10	68637.23	51551.21
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	467314.10	68637.23	51551.21
Q Total (cfs)	950410.30	Flow (cfs)	768349.90	136076.50	45983.89
Top Width (ft)	4694.75	Top Width (ft)	3400.00	377.82	916.93
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)	1.64	1.98	0.89
Max Chl Dpth (ft)	192.99	Hydr. Depth (ft)	137.45	181.67	56.22
Conv. Total (cfs)	150090900.0	Conv. (cfs)	121339500.0	21489500.0	7261876.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.37	386.29	961.35
Min Ch El (ft)	567.22	Shear (lb/sq ft)	0.34	0.44	0.13
Alpha	1.06	Stream Power (lb/ft s)	0.55	0.88	0.12
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	21511.79	3577.68	4988.86
C & E Loss (ft)		Cum SA (acres)	153.98	20.04	77.05

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2836.91*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.68	500	657.59	650	652.18	700	648.01
950	625.34	1000	622.89	1100	616.97	1250	614.36	1350	614.36
1475	612.18	1950	612.18	2025	611.96	2300	609.98	2600	605.74
3000	602.95	3200	600.47	3400	597.82	3489.1	583.69	3578.21	567.22
3689.1	567.22	3778.21	600	3865.76	659.88	4186.77	710.26	4303.5	722.23
4478.6	734.71	4653.7	735.46	4697.47	739.55				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3778.21	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3778.21	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.21	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	467410.90	68699.36	51608.52
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	467410.90	68699.36	51608.52
Q Total (cfs)	950410.20	Flow (cfs)	768296.00	136136.50	45977.68
Top Width (ft)	4697.47	Top Width (ft)	3400.00	378.21	919.26
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)	1.64	1.98	0.89
Max Chl Dpth (ft)	192.99	Hydr. Depth (ft)	137.47	181.64	56.14
Conv. Total (cfs)	150153000.0	Conv. (cfs)	121381200.0	21507880.0	7263903.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.38	386.67	963.62
Min Ch El (ft)	567.22	Shear (lb/sq ft)	0.34	0.44	0.13
Alpha	1.06	Stream Power (lb/ft s)	0.55	0.88	0.12
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	21458.25	3569.82	4982.95
C & E Loss (ft)		Cum SA (acres)	153.59	20.00	76.94

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2831.93*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.65	500	657.58	650	652.14	700	647.95
950	625.2	1000	622.75	1100	616.85	1250	614.28	1350	614.28
1475	612.14	1950	612.14	2025	611.93	2300	609.98	2600	605.76
3000	602.97	3200	600.5	3400	597.86	3489.3	583.72	3578.6	567.21
3689.3	567.21	3778.6	600	3866.37	660.06	4188.2	710.26	4305.22	722.28
4480.77	734.8	4656.31	735.54	4700.19	739.65				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3778.6	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3778.6	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.21	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	467502.80	68762.61	51667.98
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	467502.80	68762.61	51667.98
Q Total (cfs)	950410.10	Flow (cfs)	768235.10	136199.70	45975.41
Top Width (ft)	4700.19	Top Width (ft)	3400.00	378.60	921.59
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)	1.64	1.98	0.89
Max Chl Dpth (ft)	193.00	Hydr. Depth (ft)	137.50	181.62	56.06
Conv. Total (cfs)	150214000.0	Conv. (cfs)	121420900.0	21526600.0	7266493.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.38	387.06	965.88
Min Ch El (ft)	567.21	Shear (lb/sq ft)	0.34	0.44	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.55	0.88	0.12
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	21404.70	3561.94	4977.04
C & E Loss (ft)		Cum SA (acres)	153.20	19.95	76.84

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2826.95*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.62	500	657.57	650	652.1	700	647.89
950	625.07	1000	622.62	1100	616.72	1250	614.2	1350	614.2
1475	612.1	1950	612.1	2025	611.89	2300	609.98	2600	605.79
3000	602.98	3200	600.53	3400	597.9	3489.49	583.74	3578.99	567.21
3689.49	567.21	3778.99	600	3866.98	660.24	4189.62	710.26	4306.95	722.33
4482.93	734.9	4658.92	735.62	4702.92	739.75				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3778.99	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3778.99	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.21	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	467595.00	68824.68	51725.29
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	467595.00	68824.68	51725.29
Q Total (cfs)	950410.00	Flow (cfs)	768178.90	136261.20	45969.89
Top Width (ft)	4702.92	Top Width (ft)	3400.00	378.99	923.93
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)	1.64	1.98	0.89
Max Chl Dpth (ft)	193.00	Hydr. Depth (ft)	137.53	181.60	55.98
Conv. Total (cfs)	150274100.0	Conv. (cfs)	121460700.0	21544940.0	7268532.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.39	387.43	968.15
Min Ch El (ft)	567.21	Shear (lb/sq ft)	0.34	0.44	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.55	0.88	0.12
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	21351.14	3554.06	4971.12
C & E Loss (ft)		Cum SA (acres)	152.81	19.91	76.73

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2821.97*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.59	500	657.56	650	652.06	700	647.83
950	624.94	1000	622.48	1100	616.6	1250	614.12	1350	614.12
1475	612.06	1950	612.06	2025	611.86	2300	609.98	2600	605.82
3000	603	3200	600.56	3400	597.94	3489.69	583.76	3579.38	567.21
3689.69	567.21	3779.38	600	3867.59	660.43	4191.05	710.26	4308.67	722.38
4485.1	734.99	4661.53	735.7	4705.64	739.84				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3779.38	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3779.38	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.21	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	467682.00	68886.75	51782.20
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	467682.00	68886.75	51782.20
Q Total (cfs)	950409.90	Flow (cfs)	768120.80	136324.60	45964.52
Top Width (ft)	4705.64	Top Width (ft)	3400.00	379.38	926.26
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)	1.64	1.98	0.89
Max Chl Dpth (ft)	193.00	Hydr. Depth (ft)	137.55	181.58	55.90
Conv. Total (cfs)	150331900.0	Conv. (cfs)	121498200.0	21563260.0	7270478.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.39	387.81	970.43
Min Ch El (ft)	567.21	Shear (lb/sq ft)	0.34	0.44	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.55	0.88	0.12
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	21297.57	3546.17	4965.19
C & E Loss (ft)		Cum SA (acres)	152.42	19.87	76.63

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2816.99*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.56	500	657.55	650	652.02	700	647.77
950	624.81	1000	622.35	1100	616.47	1250	614.05	1350	614.05
1475	612.02	1950	612.02	2025	611.82	2300	609.98	2600	605.85
3000	603.01	3200	600.58	3400	597.98	3489.88	583.79	3579.77	567.2
3689.88	567.2	3779.77	600	3868.2	660.61	4192.48	710.27	4310.39	722.43
4487.27	735.09	4664.15	735.78	4708.37	739.94				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3779.77	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3779.77	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.21	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	467773.80	68949.95	51836.81
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	467773.80	68949.95	51836.81
Q Total (cfs)	950409.90	Flow (cfs)	768065.90	136388.70	45955.30
Top Width (ft)	4708.37	Top Width (ft)	3400.00	379.77	928.60
Vel Total (ft/s)	1.61	Avg. Vel. (ft/s)	1.64	1.98	0.89
Max Chl Dpth (ft)	193.01	Hydr. Depth (ft)	137.58	181.56	55.82
Conv. Total (cfs)	150391600.0	Conv. (cfs)	121537800.0	21581970.0	7271908.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.40	388.20	972.70
Min Ch El (ft)	567.20	Shear (lb/sq ft)	0.33	0.44	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.55	0.88	0.12
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	21243.99	3538.28	4959.25
C & E Loss (ft)		Cum SA (acres)	152.04	19.82	76.52

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2812.00*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.53	500	657.53	650	651.98	700	647.71
950	624.68	1000	622.21	1100	616.35	1250	613.97	1350	613.97
1475	611.98	1950	611.98	2025	611.79	2300	609.98	2600	605.88
3000	603.03	3200	600.61	3400	598.02	3490.08	583.81	3580.16	567.2
3690.08	567.2	3780.16	600	3868.82	660.79	4193.9	710.27	4312.12	722.48
4489.44	735.18	4666.76	735.86	4711.09	740.04				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3780.16	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3780.16	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.21	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	467863.40	69012.00	51895.25
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	467863.40	69012.00	51895.25
Q Total (cfs)	950409.80	Flow (cfs)	768007.00	136450.50	45952.33
Top Width (ft)	4711.09	Top Width (ft)	3400.00	380.16	930.93
Vel Total (ft/s)	1.61	Avg. Vel. (ft/s)	1.64	1.98	0.89
Max Chl Dpth (ft)	193.01	Hydr. Depth (ft)	137.61	181.53	55.75
Conv. Total (cfs)	150451000.0	Conv. (cfs)	121576400.0	21600280.0	7274308.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.41	388.58	974.96
Min Ch El (ft)	567.20	Shear (lb/sq ft)	0.33	0.44	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.55	0.87	0.12
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	21190.40	3530.38	4953.31
C & E Loss (ft)		Cum SA (acres)	151.65	19.78	76.41

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2807.02*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.49	500	657.52	650	651.95	700	647.65
950	624.55	1000	622.08	1100	616.23	1250	613.89	1350	613.89
1475	611.95	1950	611.95	2025	611.75	2300	609.98	2600	605.91
3000	603.04	3200	600.64	3400	598.05	3490.27	583.83	3580.54	567.19
3690.27	567.19	3780.54	600	3869.43	660.97	4195.33	710.27	4313.84	722.53
4491.61	735.28	4669.37	735.94	4713.81	740.14				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3780.54	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3780.54	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.21	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	467951.10	69074.82	51952.38
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	467951.10	69074.82	51952.38
Q Total (cfs)	950409.70	Flow (cfs)	767945.70	136516.70	45947.31
Top Width (ft)	4713.81	Top Width (ft)	3400.00	380.54	933.27
Vel Total (ft/s)	1.61	Avg. Vel. (ft/s)	1.64	1.98	0.88
Max Chl Dpth (ft)	193.02	Hydr. Depth (ft)	137.63	181.52	55.67
Conv. Total (cfs)	150509800.0	Conv. (cfs)	121614300.0	21619200.0	7276359.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.41	388.95	977.23
Min Ch El (ft)	567.19	Shear (lb/sq ft)	0.33	0.44	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.55	0.87	0.12
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	21136.80	3522.47	4947.36
C & E Loss (ft)		Cum SA (acres)	151.26	19.73	76.31

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2802.04*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.46	500	657.51	650	651.91	700	647.59
950	624.42	1000	621.94	1100	616.1	1250	613.81	1350	613.81
1475	611.91	1950	611.91	2025	611.72	2300	609.98	2600	605.94
3000	603.06	3200	600.67	3400	598.09	3490.47	583.86	3580.93	567.19
3690.47	567.19	3780.93	600	3870.04	661.15	4196.76	710.27	4315.56	722.58
4493.77	735.37	4671.98	736.02	4716.54	740.23				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3780.93	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3780.93	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.21	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	468039.30	69135.93	52010.03
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	468039.30	69135.93	52010.03
Q Total (cfs)	950409.60	Flow (cfs)	767890.10	136576.40	45943.07
Top Width (ft)	4716.54	Top Width (ft)	3400.00	380.93	935.61
Vel Total (ft/s)	1.61	Avg. Vel. (ft/s)	1.64	1.98	0.88
Max Chl Dpth (ft)	193.02	Hydr. Depth (ft)	137.66	181.49	55.59
Conv. Total (cfs)	150567800.0	Conv. (cfs)	121652300.0	21637000.0	7278492.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.42	389.33	979.52
Min Ch El (ft)	567.19	Shear (lb/sq ft)	0.33	0.44	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.55	0.87	0.12
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	21083.19	3514.55	4941.41
C & E Loss (ft)		Cum SA (acres)	150.87	19.69	76.20

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2797.06*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.43	500	657.5	650	651.87	700	647.53
950	624.29	1000	621.81	1100	615.98	1250	613.74	1350	613.74
1475	611.87	1950	611.87	2025	611.68	2300	609.98	2600	605.96
3000	603.07	3200	600.69	3400	598.13	3490.66	583.88	3581.32	567.19
3690.66	567.19	3781.32	600	3870.65	661.33	4198.18	710.27	4317.29	722.63
4495.94	735.46	4674.6	736.1	4719.26	740.33				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3781.32	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3781.32	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.21	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	468133.30	69197.92	52066.71
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	468133.30	69197.92	52066.71
Q Total (cfs)	950409.60	Flow (cfs)	767835.80	136636.60	45937.22
Top Width (ft)	4719.26	Top Width (ft)	3400.00	381.32	937.94
Vel Total (ft/s)	1.61	Avg. Vel. (ft/s)	1.64	1.97	0.88
Max Chl Dpth (ft)	193.02	Hydr. Depth (ft)	137.69	181.47	55.51
Conv. Total (cfs)	150628600.0	Conv. (cfs)	121692900.0	21655290.0	7280505.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.43	389.71	981.78
Min Ch El (ft)	567.19	Shear (lb/sq ft)	0.33	0.44	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.55	0.87	0.12
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	21029.57	3506.63	4935.45
C & E Loss (ft)		Cum SA (acres)	150.48	19.65	76.09

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2792.08*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.4	500	657.49	650	651.83	700	647.47
950	624.16	1000	621.67	1100	615.85	1250	613.66	1350	613.66
1475	611.83	1950	611.83	2025	611.65	2300	609.98	2600	605.99
3000	603.09	3200	600.72	3400	598.17	3490.86	583.9	3581.71	567.18
3690.86	567.18	3781.71	600	3871.26	661.51	4199.61	710.27	4319.01	722.67
4498.11	735.56	4677.21	736.19	4721.98	740.43				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3781.71	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3781.71	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.21	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	468221.40	69261.89	52121.85
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	468221.40	69261.89	52121.85
Q Total (cfs)	950409.50	Flow (cfs)	767776.00	136703.80	45929.80
Top Width (ft)	4721.98	Top Width (ft)	3400.00	381.71	940.27
Vel Total (ft/s)	1.61	Avg. Vel. (ft/s)	1.64	1.97	0.88
Max Chl Dpth (ft)	193.03	Hydr. Depth (ft)	137.71	181.45	55.43
Conv. Total (cfs)	150687500.0	Conv. (cfs)	121730900.0	21674390.0	7282171.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.43	390.10	984.04
Min Ch El (ft)	567.18	Shear (lb/sq ft)	0.33	0.44	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.55	0.87	0.12
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	20975.94	3498.70	4929.48
C & E Loss (ft)		Cum SA (acres)	150.09	19.60	75.99

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2787.10*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.37	500	657.47	650	651.79	700	647.41
950	624.03	1000	621.54	1100	615.73	1250	613.58	1350	613.58
1475	611.79	1950	611.79	2025	611.61	2300	609.98	2600	606.02
3000	603.1	3200	600.75	3400	598.21	3491.05	583.93	3582.1	567.18
3691.05	567.18	3782.1	600	3871.87	661.69	4201.04	710.27	4320.73	722.72
4500.28	735.65	4679.82	736.27	4724.71	740.53				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3782.1	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3782.1	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.21	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	468315.20	69323.02	52178.35
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	468315.20	69323.02	52178.35
Q Total (cfs)	950409.40	Flow (cfs)	767724.30	136761.50	45923.69
Top Width (ft)	4724.71	Top Width (ft)	3400.00	382.10	942.61
Vel Total (ft/s)	1.61	Avg. Vel. (ft/s)	1.64	1.97	0.88
Max Chl Dpth (ft)	193.03	Hydr. Depth (ft)	137.74	181.43	55.36
Conv. Total (cfs)	150747700.0	Conv. (cfs)	121771400.0	21692210.0	7284114.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.44	390.48	986.32
Min Ch El (ft)	567.18	Shear (lb/sq ft)	0.33	0.44	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.55	0.87	0.12
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	20922.29	3490.76	4923.50
C & E Loss (ft)		Cum SA (acres)	149.70	19.56	75.88

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2782.12*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.34	500	657.46	650	651.75	700	647.35
950	623.89	1000	621.4	1100	615.6	1250	613.5	1350	613.5
1475	611.75	1950	611.75	2025	611.58	2300	609.98	2600	606.05
3000	603.12	3200	600.77	3400	598.25	3491.25	583.95	3582.49	567.18
3691.25	567.18	3782.49	600	3872.48	661.87	4202.46	710.27	4322.46	722.77
4502.45	735.75	4682.43	736.35	4727.43	740.62				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3782.49	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3782.49	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.20	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	468406.90	69384.95	52232.43
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	468406.90	69384.95	52232.43
Q Total (cfs)	950409.30	Flow (cfs)	767672.20	136822.70	45914.42
Top Width (ft)	4727.43	Top Width (ft)	3400.00	382.49	944.94
Vel Total (ft/s)	1.61	Avg. Vel. (ft/s)	1.64	1.97	0.88
Max Chl Dpth (ft)	193.02	Hydr. Depth (ft)	137.77	181.40	55.28
Conv. Total (cfs)	150806900.0	Conv. (cfs)	121811000.0	21710440.0	7285505.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.45	390.86	988.59
Min Ch El (ft)	567.18	Shear (lb/sq ft)	0.33	0.44	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.55	0.87	0.12
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	20868.64	3482.82	4917.52
C & E Loss (ft)		Cum SA (acres)	149.31	19.52	75.77

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2777.14*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.31	500	657.45	650	651.71	700	647.29
950	623.76	1000	621.27	1100	615.48	1250	613.42	1350	613.42
1475	611.71	1950	611.71	2025	611.54	2300	609.99	2600	606.08
3000	603.13	3200	600.8	3400	598.29	3491.44	583.97	3582.88	567.17
3691.44	567.17	3782.88	600	3873.1	662.05	4203.89	710.28	4324.18	722.82
4504.61	735.84	4685.05	736.43	4730.15	740.72				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3782.88	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3782.88	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.20	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	468494.80	69448.85	52286.10
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	468494.80	69448.85	52286.10
Q Total (cfs)	950409.30	Flow (cfs)	767614.10	136890.00	45905.23
Top Width (ft)	4730.15	Top Width (ft)	3400.00	382.88	947.27
Vel Total (ft/s)	1.61	Avg. Vel. (ft/s)	1.64	1.97	0.88
Max Chl Dpth (ft)	193.03	Hydr. Depth (ft)	137.79	181.39	55.20
Conv. Total (cfs)	150865300.0	Conv. (cfs)	121848900.0	21729530.0	7286866.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.45	391.24	990.86
Min Ch El (ft)	567.17	Shear (lb/sq ft)	0.33	0.44	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.55	0.87	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	20814.98	3474.86	4911.54
C & E Loss (ft)		Cum SA (acres)	148.92	19.47	75.66

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2772.16*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.27	500	657.44	650	651.67	700	647.23
950	623.63	1000	621.13	1100	615.35	1250	613.35	1350	613.35
1475	611.67	1950	611.67	2025	611.51	2300	609.99	2600	606.11
3000	603.15	3200	600.83	3400	598.33	3491.63	584	3583.27	567.17
3691.63	567.17	3783.27	600	3873.71	662.23	4205.32	710.28	4325.9	722.87
4506.78	735.94	4687.66	736.51	4732.88	740.82				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3783.27	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3783.27	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.20	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	468583.50	69509.91	52339.67
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	468583.50	69509.91	52339.67
Q Total (cfs)	950409.20	Flow (cfs)	767563.40	136949.90	45895.91
Top Width (ft)	4732.88	Top Width (ft)	3400.00	383.27	949.61
Vel Total (ft/s)	1.61	Avg. Vel. (ft/s)	1.64	1.97	0.88
Max Chl Dpth (ft)	193.03	Hydr. Depth (ft)	137.82	181.36	55.12
Conv. Total (cfs)	150922700.0	Conv. (cfs)	121887200.0	21747310.0	7288159.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.46	391.62	993.13
Min Ch El (ft)	567.17	Shear (lb/sq ft)	0.33	0.44	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.55	0.87	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	20761.30	3466.90	4905.55
C & E Loss (ft)		Cum SA (acres)	148.53	19.43	75.55

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2767.18*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.24	500	657.43	650	651.63	700	647.17
950	623.5	1000	621	1100	615.23	1250	613.27	1350	613.27
1475	611.63	1950	611.63	2025	611.47	2300	609.99	2600	606.13
3000	603.16	3200	600.86	3400	598.37	3491.83	584.02	3583.66	567.16
3691.83	567.16	3783.66	600	3874.32	662.41	4206.74	710.28	4327.63	722.92
4508.95	736.03	4690.27	736.59	4735.6	740.91				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3783.66	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3783.66	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.20	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	468678.00	69573.80	52394.48
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	468678.00	69573.80	52394.48
Q Total (cfs)	950409.10	Flow (cfs)	767507.80	137014.10	45887.29
Top Width (ft)	4735.60	Top Width (ft)	3400.00	383.66	951.94
Vel Total (ft/s)	1.61	Avg. Vel. (ft/s)	1.64	1.97	0.88
Max Chl Dpth (ft)	193.04	Hydr. Depth (ft)	137.85	181.34	55.04
Conv. Total (cfs)	150984100.0	Conv. (cfs)	121928000.0	21766370.0	7289758.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.47	392.00	995.41
Min Ch El (ft)	567.16	Shear (lb/sq ft)	0.33	0.44	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.55	0.86	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	20707.62	3458.94	4899.55
C & E Loss (ft)		Cum SA (acres)	148.14	19.38	75.44

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2762.20*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.21	500	657.41	650	651.6	700	647.11
950	623.37	1000	620.86	1100	615.11	1250	613.19	1350	613.19
1475	611.6	1950	611.6	2025	611.44	2300	609.99	2600	606.16
3000	603.18	3200	600.88	3400	598.4	3492.02	584.04	3584.05	567.16
3692.02	567.16	3784.05	600	3874.93	662.59	4208.17	710.28	4329.35	722.97
4511.12	736.13	4692.88	736.67	4738.33	741.01				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3784.05	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3784.05	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.20	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	468763.40	69636.15	52447.15
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	468763.40	69636.15	52447.15
Q Total (cfs)	950409.00	Flow (cfs)	767452.60	137079.30	45877.09
Top Width (ft)	4738.33	Top Width (ft)	3400.00	384.05	954.28
Vel Total (ft/s)	1.61	Avg. Vel. (ft/s)	1.64	1.97	0.87
Max Chl Dpth (ft)	193.04	Hydr. Depth (ft)	137.87	181.32	54.96
Conv. Total (cfs)	151040600.0	Conv. (cfs)	121964800.0	21784880.0	7290864.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.48	392.38	997.68
Min Ch El (ft)	567.16	Shear (lb/sq ft)	0.33	0.44	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.54	0.86	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	20653.93	3450.96	4893.54
C & E Loss (ft)		Cum SA (acres)	147.75	19.34	75.33

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2757.22*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.18	500	657.4	650	651.56	700	647.05
950	623.24	1000	620.73	1100	614.98	1250	613.11	1350	613.11
1475	611.56	1950	611.56	2025	611.4	2300	609.99	2600	606.19
3000	603.19	3200	600.91	3400	598.44	3492.22	584.07	3584.44	567.16
3692.22	567.16	3784.44	600	3875.54	662.77	4209.6	710.28	4331.07	723.02
4513.28	736.22	4695.5	736.75	4741.05	741.11				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3784.44	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3784.44	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.20	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	468855.60	69697.08	52501.11
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	468855.60	69697.08	52501.11
Q Total (cfs)	950408.90	Flow (cfs)	767403.30	137137.10	45868.42
Top Width (ft)	4741.05	Top Width (ft)	3400.00	384.44	956.61
Vel Total (ft/s)	1.61	Avg. Vel. (ft/s)	1.64	1.97	0.87
Max Chl Dpth (ft)	193.04	Hydr. Depth (ft)	137.90	181.30	54.88
Conv. Total (cfs)	151099600.0	Conv. (cfs)	122004700.0	21802570.0	7292334.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.48	392.76	999.95
Min Ch El (ft)	567.16	Shear (lb/sq ft)	0.33	0.44	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.54	0.86	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	20600.22	3442.98	4887.53
C & E Loss (ft)		Cum SA (acres)	147.36	19.30	75.23

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2752.24*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.15	500	657.39	650	651.52	700	646.99
950	623.11	1000	620.59	1100	614.86	1250	613.04	1350	613.04
1475	611.52	1950	611.52	2025	611.37	2300	609.99	2600	606.22
3000	603.2	3200	600.94	3400	598.48	3492.41	584.09	3584.82	567.15
3692.41	567.15	3784.82	600	3876.15	662.95	4211.02	710.28	4332.8	723.07
4515.45	736.31	4698.11	736.83	4743.77	741.21				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3784.82	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3784.82	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.20	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	468943.60	69759.30	52555.95
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	468943.60	69759.30	52555.95
Q Total (cfs)	950408.90	Flow (cfs)	767346.90	137200.90	45861.09
Top Width (ft)	4743.77	Top Width (ft)	3400.00	384.82	958.95
Vel Total (ft/s)	1.61	Avg. Vel. (ft/s)	1.64	1.97	0.87
Max Chl Dpth (ft)	193.05	Hydr. Depth (ft)	137.92	181.28	54.81
Conv. Total (cfs)	151157800.0	Conv. (cfs)	122042700.0	21821120.0	7293977.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.49	393.14	1002.22
Min Ch El (ft)	567.15	Shear (lb/sq ft)	0.33	0.44	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.54	0.86	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	20546.51	3435.00	4881.51
C & E Loss (ft)		Cum SA (acres)	146.97	19.25	75.12

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2747.26*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.12	500	657.38	650	651.48	700	646.93
950	622.98	1000	620.46	1100	614.73	1250	612.96	1350	612.96
1475	611.48	1950	611.48	2025	611.33	2300	609.99	2600	606.25
3000	603.22	3200	600.96	3400	598.52	3492.61	584.11	3585.21	567.15
3692.61	567.15	3785.21	600	3876.76	663.14	4212.45	710.28	4334.52	723.12
4517.62	736.41	4700.72	736.92	4746.5	741.3				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3785.21	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3785.21	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.20	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	469034.60	69821.11	52604.52
E.G. Slope (ft/ft)	0.000040	Area (sq ft)	469034.60	69821.11	52604.52
Q Total (cfs)	950408.80	Flow (cfs)	767301.60	137262.70	45844.47
Top Width (ft)	4746.50	Top Width (ft)	3400.00	385.21	961.29
Vel Total (ft/s)	1.61	Avg. Vel. (ft/s)	1.64	1.97	0.87
Max Chl Dpth (ft)	193.05	Hydr. Depth (ft)	137.95	181.25	54.72
Conv. Total (cfs)	151215400.0	Conv. (cfs)	122082000.0	21839270.0	7294112.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.50	393.52	1004.51
Min Ch El (ft)	567.15	Shear (lb/sq ft)	0.33	0.44	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.54	0.86	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	20492.78	3427.00	4875.49
C & E Loss (ft)		Cum SA (acres)	146.58	19.21	75.01

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2742.28*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.09	500	657.37	650	651.44	700	646.87
950	622.85	1000	620.32	1100	614.61	1250	612.88	1350	612.88
1475	611.44	1950	611.44	2025	611.3	2300	609.99	2600	606.28
3000	603.23	3200	600.99	3400	598.56	3492.8	584.14	3585.6	567.14
3692.8	567.14	3785.6	600	3877.38	663.32	4213.88	710.29	4336.24	723.17
4519.79	736.5	4703.33	737	4749.22	741.4				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3785.6	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3785.6	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.20	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	469124.50	69884.02	52655.66
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	469124.50	69884.02	52655.66
Q Total (cfs)	950408.70	Flow (cfs)	767250.10	137326.40	45832.20
Top Width (ft)	4749.22	Top Width (ft)	3400.00	385.60	963.62
Vel Total (ft/s)	1.61	Avg. Vel. (ft/s)	1.64	1.97	0.87
Max Chl Dpth (ft)	193.06	Hydr. Depth (ft)	137.98	181.23	54.64
Conv. Total (cfs)	151273600.0	Conv. (cfs)	122120800.0	21857810.0	7294969.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.50	393.90	1006.78
Min Ch El (ft)	567.14	Shear (lb/sq ft)	0.33	0.44	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.54	0.86	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	20439.05	3419.00	4869.46
C & E Loss (ft)		Cum SA (acres)	146.19	19.16	74.90

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2737.30*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.05	500	657.35	650	651.4	700	646.81
950	622.72	1000	620.19	1100	614.48	1250	612.8	1350	612.8
1475	611.4	1950	611.4	2025	611.26	2300	609.99	2600	606.31
3000	603.25	3200	601.02	3400	598.6	3493	584.16	3585.99	567.14
3693	567.14	3785.99	600	3877.99	663.5	4215.3	710.29	4337.96	723.22
4521.96	736.6	4705.95	737.08	4751.94	741.5				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3785.99	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3785.99	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.20	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	469219.10	69945.86	52706.20
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	469219.10	69945.86	52706.20
Q Total (cfs)	950408.60	Flow (cfs)	767203.70	137386.30	45818.64
Top Width (ft)	4751.94	Top Width (ft)	3400.00	385.99	965.95
Vel Total (ft/s)	1.61	Avg. Vel. (ft/s)	1.64	1.96	0.87
Max Chl Dpth (ft)	193.06	Hydr. Depth (ft)	138.01	181.21	54.56
Conv. Total (cfs)	151333300.0	Conv. (cfs)	122161700.0	21875990.0	7295692.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.51	394.28	1009.05
Min Ch El (ft)	567.14	Shear (lb/sq ft)	0.33	0.44	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.54	0.86	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	20385.30	3410.99	4863.43
C & E Loss (ft)		Cum SA (acres)	145.80	19.12	74.78

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2732.32*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	673.02	500	657.34	650	651.36	700	646.75
950	622.59	1000	620.05	1100	614.36	1250	612.72	1350	612.72
1475	611.36	1950	611.36	2025	611.23	2300	609.99	2600	606.33
3000	603.26	3200	601.05	3400	598.64	3493.19	584.18	3586.38	567.14
3693.19	567.14	3786.38	600	3878.6	663.68	4216.73	710.29	4339.69	723.27
4524.12	736.69	4708.56	737.16	4754.67	741.6				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3786.38	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3786.38	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.20	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	469312.60	70007.63	52758.65
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	469312.60	70007.63	52758.65
Q Total (cfs)	950408.60	Flow (cfs)	767154.90	137446.10	45807.68
Top Width (ft)	4754.67	Top Width (ft)	3400.00	386.38	968.29
Vel Total (ft/s)	1.61	Avg. Vel. (ft/s)	1.63	1.96	0.87
Max Chl Dpth (ft)	193.06	Hydr. Depth (ft)	138.03	181.19	54.49
Conv. Total (cfs)	151393000.0	Conv. (cfs)	122202100.0	21894140.0	7296823.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.52	394.66	1011.32
Min Ch El (ft)	567.14	Shear (lb/sq ft)	0.33	0.44	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.54	0.86	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	20331.54	3402.97	4857.39
C & E Loss (ft)		Cum SA (acres)	145.41	19.08	74.67

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2727.34*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.99	500	657.33	650	651.32	700	646.7
950	622.45	1000	619.92	1100	614.23	1250	612.65	1350	612.65
1475	611.32	1950	611.32	2025	611.19	2300	609.99	2600	606.36
3000	603.28	3200	601.07	3400	598.68	3493.39	584.21	3586.77	567.13
3693.39	567.13	3786.77	600	3879.21	663.86	4218.16	710.29	4341.41	723.32
4526.29	736.79	4711.17	737.24	4757.39	741.69				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3786.77	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3786.77	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.20	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	469401.20	70070.46	52808.77
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	469401.20	70070.46	52808.77
Q Total (cfs)	950408.50	Flow (cfs)	767104.40	137510.00	45794.14
Top Width (ft)	4757.39	Top Width (ft)	3400.00	386.77	970.62
Vel Total (ft/s)	1.60	Avg. Vel. (ft/s)	1.63	1.96	0.87
Max Chl Dpth (ft)	193.07	Hydr. Depth (ft)	138.06	181.17	54.41
Conv. Total (cfs)	151450400.0	Conv. (cfs)	122240300.0	21912620.0	7297430.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.53	395.05	1013.60
Min Ch El (ft)	567.13	Shear (lb/sq ft)	0.33	0.44	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.54	0.86	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	20277.78	3394.95	4851.34
C & E Loss (ft)		Cum SA (acres)	145.02	19.03	74.56

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2722.36*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.96	500	657.32	650	651.28	700	646.64
950	622.32	1000	619.78	1100	614.11	1250	612.57	1350	612.57
1475	611.28	1950	611.28	2025	611.16	2300	609.99	2600	606.39
3000	603.29	3200	601.1	3400	598.72	3493.58	584.23	3587.16	567.13
3693.58	567.13	3787.16	600	3879.82	664.04	4219.58	710.29	4343.13	723.37
4528.46	736.88	4713.78	737.32	4760.12	741.79				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3787.16	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3787.16	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.20	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	469491.50	70132.25	52860.24
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	469491.50	70132.25	52860.24
Q Total (cfs)	950408.40	Flow (cfs)	767054.80	137571.10	45782.37
Top Width (ft)	4760.12	Top Width (ft)	3400.00	387.16	972.96
Vel Total (ft/s)	1.60	Avg. Vel. (ft/s)	1.63	1.96	0.87
Max Chl Dpth (ft)	193.07	Hydr. Depth (ft)	138.09	181.15	54.33
Conv. Total (cfs)	151508500.0	Conv. (cfs)	122279400.0	21930780.0	7298357.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.54	395.43	1015.88
Min Ch El (ft)	567.13	Shear (lb/sq ft)	0.33	0.44	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.54	0.85	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	20224.00	3386.92	4845.29
C & E Loss (ft)		Cum SA (acres)	144.63	18.99	74.45

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2717.37*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.93	500	657.31	650	651.25	700	646.58
950	622.19	1000	619.65	1100	613.98	1250	612.49	1350	612.49
1475	611.25	1950	611.25	2025	611.12	2300	609.99	2600	606.42
3000	603.31	3200	601.13	3400	598.75	3493.77	584.25	3587.55	567.12
3693.77	567.12	3787.55	600	3880.43	664.22	4221.01	710.29	4344.86	723.42
4530.63	736.98	4716.4	737.4	4762.84	741.89				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3787.55	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3787.55	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.20	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	469575.00	70196.47	52909.58
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	469575.00	70196.47	52909.58
Q Total (cfs)	950408.30	Flow (cfs)	766998.30	137641.40	45768.62
Top Width (ft)	4762.84	Top Width (ft)	3400.00	387.55	975.29
Vel Total (ft/s)	1.60	Avg. Vel. (ft/s)	1.63	1.96	0.87
Max Chl Dpth (ft)	193.08	Hydr. Depth (ft)	138.11	181.13	54.25
Conv. Total (cfs)	151564300.0	Conv. (cfs)	122315400.0	21950070.0	7298853.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.54	395.81	1018.15
Min Ch El (ft)	567.12	Shear (lb/sq ft)	0.33	0.44	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.54	0.85	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	20170.21	3378.88	4839.23
C & E Loss (ft)		Cum SA (acres)	144.25	18.94	74.34

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2712.39*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.9	500	657.29	650	651.21	700	646.52
950	622.06	1000	619.51	1100	613.86	1250	612.41	1350	612.41
1475	611.21	1950	611.21	2025	611.09	2300	609.99	2600	606.45
3000	603.32	3200	601.16	3400	598.79	3493.97	584.28	3587.94	567.12
3693.97	567.12	3787.94	600	3881.04	664.4	4222.44	710.29	4346.58	723.47
4532.8	737.07	4719.01	737.48	4765.56	741.98				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3787.94	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3787.94	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.20	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	469667.20	70257.22	52960.48
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	469667.20	70257.22	52960.48
Q Total (cfs)	950408.30	Flow (cfs)	766953.30	137698.80	45756.21
Top Width (ft)	4765.56	Top Width (ft)	3400.00	387.94	977.62
Vel Total (ft/s)	1.60	Avg. Vel. (ft/s)	1.63	1.96	0.86
Max Chl Dpth (ft)	193.08	Hydr. Depth (ft)	138.14	181.10	54.17
Conv. Total (cfs)	151622600.0	Conv. (cfs)	122355200.0	21967650.0	7299679.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.55	396.19	1020.42
Min Ch El (ft)	567.12	Shear (lb/sq ft)	0.33	0.43	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.54	0.85	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	20116.42	3370.84	4833.16
C & E Loss (ft)		Cum SA (acres)	143.86	18.90	74.23

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2707.41*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.87	500	657.28	650	651.17	700	646.46
950	621.93	1000	619.38	1100	613.74	1250	612.33	1350	612.33
1475	611.17	1950	611.17	2025	611.05	2300	609.99	2600	606.48
3000	603.34	3200	601.18	3400	598.83	3494.16	584.3	3588.33	567.12
3694.16	567.12	3788.33	600	3881.66	664.58	4223.86	710.29	4348.3	723.52
4534.96	737.17	4721.62	737.57	4768.29	742.08				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3788.33	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3788.33	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.20	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	469757.10	70318.94	53008.15
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	469757.10	70318.94	53008.15
Q Total (cfs)	950408.20	Flow (cfs)	766908.20	137760.40	45739.62
Top Width (ft)	4768.29	Top Width (ft)	3400.00	388.33	979.96
Vel Total (ft/s)	1.60	Avg. Vel. (ft/s)	1.63	1.96	0.86
Max Chl Dpth (ft)	193.08	Hydr. Depth (ft)	138.16	181.08	54.09
Conv. Total (cfs)	151679700.0	Conv. (cfs)	122394100.0	21985770.0	7299780.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.56	396.57	1022.70
Min Ch El (ft)	567.12	Shear (lb/sq ft)	0.33	0.43	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.54	0.85	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	20062.61	3362.79	4827.09
C & E Loss (ft)		Cum SA (acres)	143.47	18.85	74.12

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2702.43*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.83	500	657.27	650	651.13	700	646.4
950	621.8	1000	619.25	1100	613.61	1250	612.26	1350	612.26
1475	611.13	1950	611.13	2025	611.02	2300	609.99	2600	606.51
3000	603.35	3200	601.21	3400	598.87	3494.36	584.32	3588.72	567.11
3694.36	567.11	3788.72	600	3882.27	664.76	4225.29	710.3	4350.03	723.57
4537.13	737.26	4724.23	737.65	4771.01	742.18				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3788.72	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3788.72	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.20	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	469847.70	70382.61	53055.94
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	469847.70	70382.61	53055.94
Q Total (cfs)	950408.10	Flow (cfs)	766858.90	137826.10	45723.19
Top Width (ft)	4771.01	Top Width (ft)	3400.00	388.72	982.29
Vel Total (ft/s)	1.60	Avg. Vel. (ft/s)	1.63	1.96	0.86
Max Chl Dpth (ft)	193.09	Hydr. Depth (ft)	138.19	181.06	54.01
Conv. Total (cfs)	151737900.0	Conv. (cfs)	122433200.0	22004690.0	7299959.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.57	396.96	1024.97
Min Ch El (ft)	567.11	Shear (lb/sq ft)	0.33	0.43	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.54	0.85	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	20008.79	3354.73	4821.02
C & E Loss (ft)		Cum SA (acres)	143.08	18.81	74.00

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2697.45*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.8	500	657.26	650	651.09	700	646.34
950	621.67	1000	619.11	1100	613.49	1250	612.18	1350	612.18
1475	611.09	1950	611.09	2025	610.98	2300	609.99	2600	606.53
3000	603.37	3200	601.24	3400	598.91	3494.55	584.35	3589.1	567.11
3694.55	567.11	3789.1	600	3882.88	664.94	4226.72	710.3	4351.75	723.61
4539.3	737.35	4726.85	737.73	4773.73	742.28				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3789.1	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3789.1	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.20	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	469940.10	70441.70	53108.48
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	469940.10	70441.70	53108.48
Q Total (cfs)	950408.10	Flow (cfs)	766814.60	137880.10	45713.41
Top Width (ft)	4773.73	Top Width (ft)	3400.00	389.10	984.63
Vel Total (ft/s)	1.60	Avg. Vel. (ft/s)	1.63	1.96	0.86
Max Chl Dpth (ft)	193.09	Hydr. Depth (ft)	138.22	181.04	53.94
Conv. Total (cfs)	151796200.0	Conv. (cfs)	122473200.0	22021770.0	7301202.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.58	397.33	1027.25
Min Ch El (ft)	567.11	Shear (lb/sq ft)	0.33	0.43	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.54	0.85	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19954.96	3346.66	4814.94
C & E Loss (ft)		Cum SA (acres)	142.69	18.76	73.89

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2692.47*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.77	500	657.25	650	651.05	700	646.28
950	621.54	1000	618.98	1100	613.36	1250	612.1	1350	612.1
1475	611.05	1950	611.05	2025	610.95	2300	609.99	2600	606.56
3000	603.38	3200	601.26	3400	598.95	3494.75	584.37	3589.49	567.11
3694.75	567.11	3789.49	600	3883.49	665.12	4228.14	710.3	4353.47	723.66
4541.47	737.45	4729.46	737.81	4776.46	742.37				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3789.49	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3789.49	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.20	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	470032.60	70503.34	53156.02
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	470032.60	70503.34	53156.02
Q Total (cfs)	950407.90	Flow (cfs)	766771.40	137940.30	45696.24
Top Width (ft)	4776.46	Top Width (ft)	3400.00	389.49	986.97
Vel Total (ft/s)	1.60	Avg. Vel. (ft/s)	1.63	1.96	0.86
Max Chl Dpth (ft)	193.09	Hydr. Depth (ft)	138.24	181.01	53.86
Conv. Total (cfs)	151854300.0	Conv. (cfs)	122513200.0	22039820.0	7301255.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.58	397.71	1029.53
Min Ch El (ft)	567.11	Shear (lb/sq ft)	0.33	0.43	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.54	0.85	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19901.12	3338.59	4808.85
C & E Loss (ft)		Cum SA (acres)	142.30	18.72	73.78

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2687.49*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.74	500	657.23	650	651.01	700	646.22
950	621.41	1000	618.84	1100	613.24	1250	612.02	1350	612.02
1475	611.01	1950	611.01	2025	610.91	2300	609.99	2600	606.59
3000	603.4	3200	601.29	3400	598.99	3494.94	584.39	3589.88	567.1
3694.94	567.1	3789.88	600	3884.1	665.3	4229.57	710.3	4355.2	723.71
4543.63	737.54	4732.07	737.89	4779.18	742.47				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3789.88	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3789.88	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.20	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	470123.70	70566.96	53204.98
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	470123.70	70566.96	53204.98
Q Total (cfs)	950407.90	Flow (cfs)	766721.00	138005.30	45681.60
Top Width (ft)	4779.18	Top Width (ft)	3400.00	389.88	989.30
Vel Total (ft/s)	1.60	Avg. Vel. (ft/s)	1.63	1.96	0.86
Max Chl Dpth (ft)	193.10	Hydr. Depth (ft)	138.27	181.00	53.78
Conv. Total (cfs)	151913100.0	Conv. (cfs)	122552600.0	22058740.0	7301741.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.59	398.10	1031.80
Min Ch El (ft)	567.10	Shear (lb/sq ft)	0.33	0.43	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.54	0.85	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19847.27	3330.51	4802.76
C & E Loss (ft)		Cum SA (acres)	141.91	18.68	73.66

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2682.51*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.71	500	657.22	650	650.97	700	646.16
950	621.28	1000	618.71	1100	613.11	1250	611.95	1350	611.95
1475	610.97	1950	610.97	2025	610.88	2300	609.99	2600	606.62
3000	603.41	3200	601.32	3400	599.03	3495.14	584.42	3590.27	567.1
3695.14	567.1	3790.27	600	3884.71	665.48	4231	710.3	4356.92	723.76
4545.8	737.64	4734.69	737.97	4781.91	742.57				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3790.27	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3790.27	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.20	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	470211.80	70627.66	53251.82
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	470211.80	70627.66	53251.82
Q Total (cfs)	950407.80	Flow (cfs)	766678.70	138064.50	45664.66
Top Width (ft)	4781.91	Top Width (ft)	3400.00	390.27	991.64
Vel Total (ft/s)	1.60	Avg. Vel. (ft/s)	1.63	1.95	0.86
Max Chl Dpth (ft)	193.10	Hydr. Depth (ft)	138.30	180.97	53.70
Conv. Total (cfs)	151968600.0	Conv. (cfs)	122590600.0	22076290.0	7301704.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.60	398.48	1034.08
Min Ch El (ft)	567.10	Shear (lb/sq ft)	0.33	0.43	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.54	0.85	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19793.41	3322.42	4796.66
C & E Loss (ft)		Cum SA (acres)	141.52	18.63	73.55

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2677.53*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.68	500	657.21	650	650.93	700	646.1
950	621.14	1000	618.57	1100	612.99	1250	611.87	1350	611.87
1475	610.93	1950	610.93	2025	610.84	2300	609.99	2600	606.65
3000	603.42	3200	601.35	3400	599.07	3495.33	584.44	3590.66	567.09
3695.33	567.09	3790.66	600	3885.32	665.66	4232.42	710.3	4358.64	723.81
4547.97	737.73	4737.3	738.05	4784.63	742.67				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3790.66	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3790.66	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.19	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	470305.00	70691.23	53299.71
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	470305.00	70691.23	53299.71
Q Total (cfs)	950407.80	Flow (cfs)	766630.80	138128.60	45648.46
Top Width (ft)	4784.63	Top Width (ft)	3400.00	390.66	993.97
Vel Total (ft/s)	1.60	Avg. Vel. (ft/s)	1.63	1.95	0.86
Max Chl Dpth (ft)	193.10	Hydr. Depth (ft)	138.33	180.95	53.62
Conv. Total (cfs)	152028100.0	Conv. (cfs)	122631000.0	22095180.0	7301971.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.61	398.86	1036.35
Min Ch El (ft)	567.09	Shear (lb/sq ft)	0.33	0.43	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.54	0.84	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19739.54	3314.33	4790.56
C & E Loss (ft)		Cum SA (acres)	141.13	18.59	73.44

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2672.55*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.65	500	657.2	650	650.89	700	646.04
950	621.01	1000	618.44	1100	612.86	1250	611.79	1350	611.79
1475	610.89	1950	610.89	2025	610.81	2300	609.99	2600	606.68
3000	603.44	3200	601.37	3400	599.11	3495.53	584.46	3591.05	567.09
3695.53	567.09	3791.05	600	3885.94	665.84	4233.85	710.3	4360.37	723.86
4550.14	737.83	4739.91	738.13	4787.35	742.76				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3791.05	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3791.05	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.19	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	470394.60	70752.87	53346.56
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	470394.60	70752.87	53346.56
Q Total (cfs)	950407.70	Flow (cfs)	766586.50	138189.70	45631.43
Top Width (ft)	4787.35	Top Width (ft)	3400.00	391.05	996.30
Vel Total (ft/s)	1.60	Avg. Vel. (ft/s)	1.63	1.95	0.86
Max Chl Dpth (ft)	193.10	Hydr. Depth (ft)	138.35	180.93	53.54
Conv. Total (cfs)	152084900.0	Conv. (cfs)	122669700.0	22113220.0	7301973.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.62	399.24	1038.63
Min Ch El (ft)	567.09	Shear (lb/sq ft)	0.33	0.43	0.13
Alpha	1.07	Stream Power (lb/ft s)	0.54	0.84	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19685.66	3306.22	4784.45
C & E Loss (ft)		Cum SA (acres)	140.74	18.54	73.32

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2667.57*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.61	500	657.19	650	650.86	700	645.98
950	620.88	1000	618.3	1100	612.74	1250	611.71	1350	611.71
1475	610.86	1950	610.86	2025	610.77	2300	609.99	2600	606.71
3000	603.45	3200	601.4	3400	599.14	3495.72	584.49	3591.44	567.09
3695.72	567.09	3791.44	600	3886.55	666.03	4235.28	710.3	4362.09	723.91
4552.31	737.92	4742.52	738.21	4790.08	742.86				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3791.44	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3791.44	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.19	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	470483.20	70813.95	53391.99
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	470483.20	70813.95	53391.99
Q Total (cfs)	950407.60	Flow (cfs)	766544.60	138250.40	45612.59
Top Width (ft)	4790.08	Top Width (ft)	3400.00	391.44	998.64
Vel Total (ft/s)	1.60	Avg. Vel. (ft/s)	1.63	1.95	0.85
Max Chl Dpth (ft)	193.10	Hydr. Depth (ft)	138.38	180.91	53.46
Conv. Total (cfs)	152140700.0	Conv. (cfs)	122708000.0	22131040.0	7301634.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.63	399.62	1040.92
Min Ch El (ft)	567.09	Shear (lb/sq ft)	0.33	0.43	0.12
Alpha	1.07	Stream Power (lb/ft s)	0.54	0.84	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19631.77	3298.12	4778.34
C & E Loss (ft)		Cum SA (acres)	140.35	18.50	73.21

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2662.59*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.58	500	657.17	650	650.82	700	645.92
950	620.75	1000	618.17	1100	612.61	1250	611.63	1350	611.63
1475	610.82	1950	610.82	2025	610.74	2300	609.99	2600	606.73
3000	603.47	3200	601.43	3400	599.18	3495.91	584.51	3591.83	567.08
3695.91	567.08	3791.83	600	3887.16	666.21	4236.71	710.31	4363.81	723.96
4554.47	738.02	4745.14	738.3	4792.8	742.96				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3791.83	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3791.83	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.19	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	470576.50	70877.52	53433.48
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	470576.50	70877.52	53433.48
Q Total (cfs)	950407.60	Flow (cfs)	766504.10	138315.60	45588.00
Top Width (ft)	4792.80	Top Width (ft)	3400.00	391.83	1000.97
Vel Total (ft/s)	1.60	Avg. Vel. (ft/s)	1.63	1.95	0.85
Max Chl Dpth (ft)	193.11	Hydr. Depth (ft)	138.40	180.89	53.38
Conv. Total (cfs)	152198700.0	Conv. (cfs)	122748300.0	22149920.0	7300485.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.64	400.01	1043.19
Min Ch El (ft)	567.08	Shear (lb/sq ft)	0.33	0.43	0.12
Alpha	1.07	Stream Power (lb/ft s)	0.54	0.84	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19577.87	3290.00	4772.22
C & E Loss (ft)		Cum SA (acres)	139.96	18.45	73.09

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2657.61*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.55	500	657.16	650	650.78	700	645.86
950	620.62	1000	618.03	1100	612.49	1250	611.56	1350	611.56
1475	610.78	1950	610.78	2025	610.7	2300	609.99	2600	606.76
3000	603.48	3200	601.46	3400	599.22	3496.11	584.53	3592.22	567.08
3696.11	567.08	3792.22	600	3887.77	666.39	4238.13	710.31	4365.54	724.01
4556.64	738.11	4747.75	738.38	4795.52	743.05				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3792.22	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3792.22	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.24	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.19	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	470665.80	70939.05	53480.30
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	470665.80	70939.05	53480.30
Q Total (cfs)	950407.40	Flow (cfs)	766459.90	138376.30	45571.20
Top Width (ft)	4795.52	Top Width (ft)	3400.00	392.22	1003.30
Vel Total (ft/s)	1.60	Avg. Vel. (ft/s)	1.63	1.95	0.85
Max Chl Dpth (ft)	193.11	Hydr. Depth (ft)	138.43	180.87	53.30
Conv. Total (cfs)	152255400.0	Conv. (cfs)	122787000.0	22167910.0	7300513.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.64	400.39	1045.47
Min Ch El (ft)	567.08	Shear (lb/sq ft)	0.33	0.43	0.12
Alpha	1.07	Stream Power (lb/ft s)	0.54	0.84	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19523.96	3281.88	4766.09
C & E Loss (ft)		Cum SA (acres)	139.57	18.41	72.98

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2652.63*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.52	500	657.15	650	650.74	700	645.8
950	620.49	1000	617.9	1100	612.37	1250	611.48	1350	611.48
1475	610.74	1950	610.74	2025	610.67	2300	609.99	2600	606.79
3000	603.5	3200	601.48	3400	599.26	3496.3	584.56	3592.61	567.07
3696.3	567.07	3792.61	600	3888.38	666.57	4239.56	710.31	4367.26	724.06
4558.81	738.2	4750.36	738.46	4798.25	743.15				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3792.61	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3792.61	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.19	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	470753.80	71001.61	53526.73
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	470753.80	71001.61	53526.73
Q Total (cfs)	950407.40	Flow (cfs)	766413.80	138439.60	45554.04
Top Width (ft)	4798.25	Top Width (ft)	3400.00	392.61	1005.64
Vel Total (ft/s)	1.60	Avg. Vel. (ft/s)	1.63	1.95	0.85
Max Chl Dpth (ft)	193.12	Hydr. Depth (ft)	138.46	180.85	53.23
Conv. Total (cfs)	152311800.0	Conv. (cfs)	122825000.0	22186250.0	7300466.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.65	400.77	1047.75
Min Ch El (ft)	567.07	Shear (lb/sq ft)	0.33	0.43	0.12
Alpha	1.07	Stream Power (lb/ft s)	0.53	0.84	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19470.03	3273.75	4759.97
C & E Loss (ft)		Cum SA (acres)	139.18	18.36	72.86

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2647.65*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.49	500	657.14	650	650.7	700	645.74
950	620.36	1000	617.76	1100	612.24	1250	611.4	1350	611.4
1475	610.7	1950	610.7	2025	610.63	2300	609.99	2600	606.82
3000	603.51	3200	601.51	3400	599.3	3496.5	584.58	3593	567.07
3696.5	567.07	3793	600	3888.99	666.75	4240.99	710.31	4368.98	724.11
4560.98	738.3	4752.97	738.54	4800.97	743.25				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3793	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3793	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.19	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	470847.20	71063.15	53570.95
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	470847.20	71063.15	53570.95
Q Total (cfs)	950407.30	Flow (cfs)	766374.50	138499.20	45533.63
Top Width (ft)	4800.97	Top Width (ft)	3400.00	393.00	1007.97
Vel Total (ft/s)	1.60	Avg. Vel. (ft/s)	1.63	1.95	0.85
Max Chl Dpth (ft)	193.12	Hydr. Depth (ft)	138.48	180.82	53.15
Conv. Total (cfs)	152369600.0	Conv. (cfs)	122865400.0	22204240.0	7299968.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.66	401.16	1050.02
Min Ch El (ft)	567.07	Shear (lb/sq ft)	0.33	0.43	0.12
Alpha	1.07	Stream Power (lb/ft s)	0.53	0.84	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19416.10	3265.61	4753.83
C & E Loss (ft)		Cum SA (acres)	138.79	18.32	72.75

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2642.67*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.46	500	657.13	650	650.66	700	645.68
950	620.23	1000	617.63	1100	612.12	1250	611.32	1350	611.32
1475	610.66	1950	610.66	2025	610.6	2300	609.99	2600	606.85
3000	603.53	3200	601.54	3400	599.34	3496.69	584.6	3593.39	567.07
3696.69	567.07	3793.39	600	3889.61	666.93	4242.41	710.31	4370.71	724.16
4563.15	738.39	4755.59	738.62	4803.7	743.35				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3793.39	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3793.39	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.19	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	470933.50	71124.62	53617.18
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	470933.50	71124.62	53617.18
Q Total (cfs)	950407.30	Flow (cfs)	766329.40	138561.10	45516.76
Top Width (ft)	4803.70	Top Width (ft)	3400.00	393.39	1010.31
Vel Total (ft/s)	1.60	Avg. Vel. (ft/s)	1.63	1.95	0.85
Max Chl Dpth (ft)	193.12	Hydr. Depth (ft)	138.51	180.80	53.07
Conv. Total (cfs)	152424900.0	Conv. (cfs)	122902800.0	22222210.0	7299909.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.67	401.54	1052.30
Min Ch El (ft)	567.07	Shear (lb/sq ft)	0.33	0.43	0.12
Alpha	1.07	Stream Power (lb/ft s)	0.53	0.84	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19362.16	3257.47	4747.69
C & E Loss (ft)		Cum SA (acres)	138.40	18.27	72.63

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2637.69*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.43	500	657.11	650	650.62	700	645.62
950	620.1	1000	617.49	1100	611.99	1250	611.25	1350	611.25
1475	610.62	1950	610.62	2025	610.56	2300	609.99	2600	606.88
3000	603.54	3200	601.56	3400	599.38	3496.89	584.63	3593.77	567.06
3696.89	567.06	3793.77	600	3890.22	667.11	4243.84	710.31	4372.43	724.21
4565.31	738.49	4758.2	738.7	4806.42	743.44				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3793.77	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3793.77	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.19	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	471028.20	71185.44	53661.84
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	471028.20	71185.44	53661.84
Q Total (cfs)	950407.20	Flow (cfs)	766291.90	138618.80	45496.57
Top Width (ft)	4806.42	Top Width (ft)	3400.00	393.77	1012.65
Vel Total (ft/s)	1.59	Avg. Vel. (ft/s)	1.63	1.95	0.85
Max Chl Dpth (ft)	193.13	Hydr. Depth (ft)	138.54	180.78	52.99
Conv. Total (cfs)	152483200.0	Conv. (cfs)	122943700.0	22239970.0	7299461.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.68	401.91	1054.59
Min Ch El (ft)	567.06	Shear (lb/sq ft)	0.33	0.43	0.12
Alpha	1.07	Stream Power (lb/ft s)	0.53	0.84	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19308.21	3249.31	4741.55
C & E Loss (ft)		Cum SA (acres)	138.01	18.23	72.52

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2632.71*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.39	500	657.1	650	650.58	700	645.56
950	619.97	1000	617.36	1100	611.87	1250	611.17	1350	611.17
1475	610.58	1950	610.58	2025	610.53	2300	609.99	2600	606.91
3000	603.56	3200	601.59	3400	599.42	3497.08	584.65	3594.16	567.06
3697.08	567.06	3794.16	600	3890.83	667.29	4245.27	710.31	4374.15	724.26
4567.48	738.58	4760.81	738.78	4809.14	743.54				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3794.16	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3794.16	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.19	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	471117.30	71246.93	53706.85
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	471117.30	71246.93	53706.85
Q Total (cfs)	950407.10	Flow (cfs)	766249.40	138679.60	45478.08
Top Width (ft)	4809.14	Top Width (ft)	3400.00	394.16	1014.98
Vel Total (ft/s)	1.59	Avg. Vel. (ft/s)	1.63	1.95	0.85
Max Chl Dpth (ft)	193.13	Hydr. Depth (ft)	138.56	180.76	52.91
Conv. Total (cfs)	152539400.0	Conv. (cfs)	122982300.0	22257950.0	7299188.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.69	402.29	1056.86
Min Ch El (ft)	567.06	Shear (lb/sq ft)	0.33	0.43	0.12
Alpha	1.07	Stream Power (lb/ft s)	0.53	0.84	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19254.24	3241.16	4735.40
C & E Loss (ft)		Cum SA (acres)	137.62	18.18	72.40

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2627.72*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.36	500	657.09	650	650.54	700	645.5
950	619.83	1000	617.22	1100	611.74	1250	611.09	1350	611.09
1475	610.54	1950	610.54	2025	610.49	2300	610	2600	606.93
3000	603.57	3200	601.62	3400	599.46	3497.28	584.67	3594.55	567.05
3697.28	567.05	3794.55	600	3891.44	667.47	4246.69	710.32	4375.88	724.31
4569.65	738.68	4763.42	738.86	4811.87	743.64				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3794.55	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3794.55	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.19	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	471212.60	71310.42	53747.09
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	471212.60	71310.42	53747.09
Q Total (cfs)	950407.10	Flow (cfs)	766211.60	138743.50	45451.96
Top Width (ft)	4811.87	Top Width (ft)	3400.00	394.55	1017.32
Vel Total (ft/s)	1.59	Avg. Vel. (ft/s)	1.63	1.95	0.85
Max Chl Dpth (ft)	193.14	Hydr. Depth (ft)	138.59	180.74	52.83
Conv. Total (cfs)	152598100.0	Conv. (cfs)	123023500.0	22276760.0	7297801.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.70	402.68	1059.15
Min Ch El (ft)	567.05	Shear (lb/sq ft)	0.33	0.43	0.12
Alpha	1.07	Stream Power (lb/ft s)	0.53	0.83	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19200.27	3232.99	4729.24
C & E Loss (ft)		Cum SA (acres)	137.23	18.14	72.29

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2622.74*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.33	500	657.08	650	650.51	700	645.44
950	619.7	1000	617.09	1100	611.62	1250	611.01	1350	611.01
1475	610.51	1950	610.51	2025	610.46	2300	610	2600	606.96
3000	603.59	3200	601.65	3400	599.49	3497.47	584.7	3594.94	567.05
3697.47	567.05	3794.94	600	3892.05	667.65	4248.12	710.32	4377.6	724.36
4571.82	738.77	4766.04	738.94	4814.59	743.74				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3794.94	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3794.94	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.19	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	471293.40	71371.38	53791.39
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	471293.40	71371.38	53791.39
Q Total (cfs)	950407.00	Flow (cfs)	766166.80	138806.50	45433.85
Top Width (ft)	4814.59	Top Width (ft)	3400.00	394.94	1019.65
Vel Total (ft/s)	1.59	Avg. Vel. (ft/s)	1.63	1.94	0.84
Max Chl Dpth (ft)	193.14	Hydr. Depth (ft)	138.62	180.71	52.75
Conv. Total (cfs)	152650400.0	Conv. (cfs)	123058500.0	22294510.0	7297394.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.71	403.06	1061.42
Min Ch El (ft)	567.05	Shear (lb/sq ft)	0.33	0.43	0.12
Alpha	1.07	Stream Power (lb/ft s)	0.53	0.83	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19146.28	3224.82	4723.08
C & E Loss (ft)		Cum SA (acres)	136.85	18.09	72.17

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2617.76*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.3	500	657.07	650	650.47	700	645.38
950	619.57	1000	616.95	1100	611.49	1250	610.93	1350	610.93
1475	610.47	1950	610.47	2025	610.42	2300	610	2600	606.99
3000	603.6	3200	601.67	3400	599.53	3497.67	584.72	3595.33	567.05
3697.67	567.05	3795.33	600	3892.66	667.83	4249.55	710.32	4379.32	724.41
4573.98	738.87	4768.65	739.03	4817.31	743.83				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3795.33	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3795.33	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.19	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	471388.50	71432.82	53832.15
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	471388.50	71432.82	53832.15
Q Total (cfs)	950406.90	Flow (cfs)	766132.60	138865.40	45408.96
Top Width (ft)	4817.31	Top Width (ft)	3400.00	395.33	1021.98
Vel Total (ft/s)	1.59	Avg. Vel. (ft/s)	1.63	1.94	0.84
Max Chl Dpth (ft)	193.14	Hydr. Depth (ft)	138.64	180.69	52.67
Conv. Total (cfs)	152708200.0	Conv. (cfs)	123099600.0	22312430.0	7296161.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.72	403.44	1063.70
Min Ch El (ft)	567.05	Shear (lb/sq ft)	0.33	0.43	0.12
Alpha	1.07	Stream Power (lb/ft s)	0.53	0.83	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19092.29	3216.64	4716.92
C & E Loss (ft)		Cum SA (acres)	136.46	18.05	72.05

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2612.78*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.27	500	657.05	650	650.43	700	645.32
950	619.44	1000	616.82	1100	611.37	1250	610.86	1350	610.86
1475	610.43	1950	610.43	2025	610.39	2300	610	2600	607.02
3000	603.62	3200	601.7	3400	599.57	3497.86	584.74	3595.72	567.04
3697.86	567.04	3795.72	600	3893.27	668.01	4250.97	710.32	4381.04	724.46
4576.15	738.96	4771.26	739.11	4820.04	743.93				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3795.72	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3795.72	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.19	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	471474.80	71496.22	53875.56
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	471474.80	71496.22	53875.56
Q Total (cfs)	950406.80	Flow (cfs)	766086.50	138931.80	45388.55
Top Width (ft)	4820.04	Top Width (ft)	3400.00	395.72	1024.32
Vel Total (ft/s)	1.59	Avg. Vel. (ft/s)	1.62	1.94	0.84
Max Chl Dpth (ft)	193.15	Hydr. Depth (ft)	138.67	180.67	52.60
Conv. Total (cfs)	152763700.0	Conv. (cfs)	123137000.0	22331220.0	7295533.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.73	403.83	1065.98
Min Ch El (ft)	567.04	Shear (lb/sq ft)	0.33	0.43	0.12
Alpha	1.07	Stream Power (lb/ft s)	0.53	0.83	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19038.29	3208.45	4710.75
C & E Loss (ft)		Cum SA (acres)	136.07	18.00	71.93

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2607.80*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.24	500	657.04	650	650.39	700	645.26
950	619.31	1000	616.68	1100	611.25	1250	610.78	1350	610.78
1475	610.39	1950	610.39	2025	610.35	2300	610	2600	607.05
3000	603.63	3200	601.73	3400	599.61	3498.05	584.77	3596.11	567.04
3698.05	567.04	3796.11	600	3893.89	668.19	4252.4	710.32	4382.77	724.51
4578.32	739.05	4773.87	739.19	4822.76	744.03				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3796.11	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3796.11	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.19	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	471566.80	71556.66	53919.34
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	471566.80	71556.66	53919.34
Q Total (cfs)	950406.80	Flow (cfs)	766049.60	138988.50	45368.75
Top Width (ft)	4822.76	Top Width (ft)	3400.00	396.11	1026.65
Vel Total (ft/s)	1.59	Avg. Vel. (ft/s)	1.62	1.94	0.84
Max Chl Dpth (ft)	193.15	Hydr. Depth (ft)	138.70	180.65	52.52
Conv. Total (cfs)	152820500.0	Conv. (cfs)	123176800.0	22348630.0	7295059.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.74	404.21	1068.25
Min Ch El (ft)	567.04	Shear (lb/sq ft)	0.33	0.43	0.12
Alpha	1.07	Stream Power (lb/ft s)	0.53	0.83	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	18984.27	3200.26	4704.57
C & E Loss (ft)		Cum SA (acres)	135.68	17.96	71.82

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2602.82*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.21	500	657.03	650	650.35	700	645.2
950	619.18	1000	616.55	1100	611.12	1250	610.7	1350	610.7
1475	610.35	1950	610.35	2025	610.32	2300	610	2600	607.08
3000	603.65	3200	601.75	3400	599.65	3498.25	584.79	3596.5	567.04
3698.25	567.04	3796.5	600	3894.5	668.37	4253.83	710.32	4384.49	724.55
4580.49	739.15	4776.49	739.27	4825.49	744.12				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3796.5	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3796.5	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.19	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	471656.30	71617.99	53962.19
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	471656.30	71617.99	53962.19
Q Total (cfs)	950406.70	Flow (cfs)	766010.40	139048.80	45347.39
Top Width (ft)	4825.49	Top Width (ft)	3400.00	396.50	1028.99
Vel Total (ft/s)	1.59	Avg. Vel. (ft/s)	1.62	1.94	0.84
Max Chl Dpth (ft)	193.15	Hydr. Depth (ft)	138.72	180.63	52.44
Conv. Total (cfs)	152876300.0	Conv. (cfs)	123215500.0	22366500.0	7294290.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.75	404.59	1070.55
Min Ch El (ft)	567.04	Shear (lb/sq ft)	0.33	0.43	0.12
Alpha	1.07	Stream Power (lb/ft s)	0.53	0.83	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	18930.24	3192.06	4698.40
C & E Loss (ft)		Cum SA (acres)	135.29	17.91	71.70

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2597.84*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.17	500	657.02	650	650.31	700	645.14
950	619.05	1000	616.41	1100	611	1250	610.62	1350	610.62
1475	610.31	1950	610.31	2025	610.28	2300	610	2600	607.11
3000	603.66	3200	601.78	3400	599.69	3498.44	584.81	3596.89	567.03
3698.44	567.03	3796.89	600	3895.11	668.55	4255.25	710.32	4386.21	724.6
4582.66	739.24	4779.1	739.35	4828.21	744.22				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3796.89	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3796.89	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.19	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	471750.90	71681.36	54004.39
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	471750.90	71681.36	54004.39
Q Total (cfs)	950406.60	Flow (cfs)	765969.90	139111.90	45324.86
Top Width (ft)	4828.21	Top Width (ft)	3400.00	396.89	1031.32
Vel Total (ft/s)	1.59	Avg. Vel. (ft/s)	1.62	1.94	0.84
Max Chl Dpth (ft)	193.16	Hydr. Depth (ft)	138.75	180.61	52.36
Conv. Total (cfs)	152935200.0	Conv. (cfs)	123256500.0	22385270.0	7293477.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.76	404.97	1072.82
Min Ch El (ft)	567.03	Shear (lb/sq ft)	0.33	0.43	0.12
Alpha	1.07	Stream Power (lb/ft s)	0.53	0.83	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	18876.21	3183.85	4692.21
C & E Loss (ft)		Cum SA (acres)	134.90	17.86	71.58

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2592.86*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.14	500	657.01	650	650.27	700	645.08
950	618.92	1000	616.28	1100	610.87	1250	610.54	1350	610.54
1475	610.27	1950	610.27	2025	610.25	2300	610	2600	607.13
3000	603.67	3200	601.81	3400	599.73	3498.64	584.84	3597.28	567.03
3698.64	567.03	3797.28	600	3895.72	668.74	4256.68	710.32	4387.94	724.65
4584.82	739.34	4781.71	739.43	4830.93	744.32				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3797.28	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3797.28	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.19	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	471844.90	71741.72	54042.12
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	471844.90	71741.72	54042.12
Q Total (cfs)	950406.60	Flow (cfs)	765941.30	139168.50	45296.84
Top Width (ft)	4830.93	Top Width (ft)	3400.00	397.28	1033.65
Vel Total (ft/s)	1.59	Avg. Vel. (ft/s)	1.62	1.94	0.84
Max Chl Dpth (ft)	193.16	Hydr. Depth (ft)	138.78	180.58	52.28
Conv. Total (cfs)	152991500.0	Conv. (cfs)	123297200.0	22402610.0	7291648.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.77	405.36	1075.10
Min Ch El (ft)	567.03	Shear (lb/sq ft)	0.33	0.43	0.12
Alpha	1.07	Stream Power (lb/ft s)	0.53	0.83	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	18822.16	3175.64	4686.02
C & E Loss (ft)		Cum SA (acres)	134.51	17.82	71.46

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2587.88*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.11	500	656.99	650	650.23	700	645.02
950	618.79	1000	616.14	1100	610.75	1250	610.47	1350	610.47
1475	610.23	1950	610.23	2025	610.21	2300	610	2600	607.16
3000	603.69	3200	601.84	3400	599.77	3498.83	584.86	3597.67	567.02
3698.83	567.02	3797.67	600	3896.33	668.92	4258.11	710.33	4389.66	724.7
4586.99	739.43	4784.32	739.51	4833.66	744.42				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3797.67	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3797.67	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.19	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	471933.80	71805.04	54081.52
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	471933.80	71805.04	54081.52
Q Total (cfs)	950406.50	Flow (cfs)	765901.10	139234.10	45271.26
Top Width (ft)	4833.66	Top Width (ft)	3400.00	397.67	1035.99
Vel Total (ft/s)	1.59	Avg. Vel. (ft/s)	1.62	1.94	0.84
Max Chl Dpth (ft)	193.17	Hydr. Depth (ft)	138.80	180.56	52.20
Conv. Total (cfs)	153047200.0	Conv. (cfs)	123335700.0	22421350.0	7290188.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.78	405.74	1077.38
Min Ch El (ft)	567.02	Shear (lb/sq ft)	0.33	0.43	0.12
Alpha	1.07	Stream Power (lb/ft s)	0.53	0.83	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	18768.11	3167.41	4679.83
C & E Loss (ft)		Cum SA (acres)	134.12	17.77	71.34

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2582.90*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.08	500	656.98	650	650.19	700	644.97
950	618.66	1000	616.01	1100	610.62	1250	610.39	1350	610.39
1475	610.19	1950	610.19	2025	610.18	2300	610	2600	607.19
3000	603.7	3200	601.86	3400	599.81	3499.03	584.88	3598.05	567.02
3699.03	567.02	3798.05	600	3896.94	669.1	4259.53	710.33	4391.38	724.75
4589.16	739.53	4786.94	739.59	4836.38	744.51				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3798.05	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3798.05	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.19	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	472024.90	71864.70	54122.04
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	472024.90	71864.70	54122.04
Q Total (cfs)	950406.40	Flow (cfs)	765868.00	139291.20	45247.22
Top Width (ft)	4836.38	Top Width (ft)	3400.00	398.05	1038.33
Vel Total (ft/s)	1.59	Avg. Vel. (ft/s)	1.62	1.94	0.84
Max Chl Dpth (ft)	193.17	Hydr. Depth (ft)	138.83	180.54	52.12
Conv. Total (cfs)	153102800.0	Conv. (cfs)	123375100.0	22438680.0	7288961.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.79	406.11	1079.67
Min Ch El (ft)	567.02	Shear (lb/sq ft)	0.33	0.43	0.12
Alpha	1.07	Stream Power (lb/ft s)	0.53	0.83	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	18714.04	3159.19	4673.63
C & E Loss (ft)		Cum SA (acres)	133.73	17.73	71.23

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2577.92*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.05	500	656.97	650	650.16	700	644.91
950	618.52	1000	615.87	1100	610.5	1250	610.31	1350	610.31
1475	610.16	1950	610.16	2025	610.14	2300	610	2600	607.22
3000	603.72	3200	601.89	3400	599.84	3499.22	584.91	3598.44	567.02
3699.22	567.02	3798.44	600	3897.55	669.28	4260.96	710.33	4393.11	724.8
4591.33	739.62	4789.55	739.68	4839.1	744.61				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3798.44	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3798.44	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.19	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	472109.50	71925.46	54161.83
E.G. Slope (ft/ft)	0.000039	Area (sq ft)	472109.50	71925.46	54161.83
Q Total (cfs)	950406.40	Flow (cfs)	765830.40	139352.50	45223.55
Top Width (ft)	4839.10	Top Width (ft)	3400.00	398.44	1040.66
Vel Total (ft/s)	1.59	Avg. Vel. (ft/s)	1.62	1.94	0.83
Max Chl Dpth (ft)	193.17	Hydr. Depth (ft)	138.86	180.52	52.05
Conv. Total (cfs)	153155700.0	Conv. (cfs)	123411700.0	22456320.0	7287668.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.80	406.49	1081.95
Min Ch El (ft)	567.02	Shear (lb/sq ft)	0.33	0.43	0.12
Alpha	1.07	Stream Power (lb/ft s)	0.53	0.82	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	18659.96	3150.95	4667.43
C & E Loss (ft)		Cum SA (acres)	133.34	17.68	71.11

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2572.94*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	672.02	500	656.96	650	650.12	700	644.85
950	618.39	1000	615.74	1100	610.37	1250	610.23	1350	610.23
1475	610.12	1950	610.12	2025	610.11	2300	610	2600	607.25
3000	603.73	3200	601.92	3400	599.88	3499.42	584.93	3598.83	567.01
3699.42	567.01	3798.83	600	3898.17	669.46	4262.39	710.33	4394.83	724.85
4593.5	739.72	4792.16	739.76	4841.83	744.71				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3798.83	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3798.83	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.19	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	472200.30	71988.79	54201.20
E.G. Slope (ft/ft)	0.000038	Area (sq ft)	472200.30	71988.79	54201.20
Q Total (cfs)	950406.30	Flow (cfs)	765791.30	139417.00	45198.04
Top Width (ft)	4841.83	Top Width (ft)	3400.00	398.83	1043.00
Vel Total (ft/s)	1.59	Avg. Vel. (ft/s)	1.62	1.94	0.83
Max Chl Dpth (ft)	193.18	Hydr. Depth (ft)	138.88	180.50	51.97
Conv. Total (cfs)	153212300.0	Conv. (cfs)	123451100.0	22475030.0	7286249.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.81	406.88	1084.23
Min Ch El (ft)	567.01	Shear (lb/sq ft)	0.33	0.43	0.12
Alpha	1.07	Stream Power (lb/ft s)	0.53	0.82	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	18605.87	3142.71	4661.22
C & E Loss (ft)		Cum SA (acres)	132.95	17.64	70.99

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2567.96*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	671.99	500	656.95	650	650.08	700	644.79
950	618.26	1000	615.6	1100	610.25	1250	610.16	1350	610.16
1475	610.08	1950	610.08	2025	610.07	2300	610	2600	607.28
3000	603.75	3200	601.95	3400	599.92	3499.61	584.95	3599.22	567.01
3699.61	567.01	3799.22	600	3898.78	669.64	4263.81	710.33	4396.55	724.9
4595.66	739.81	4794.77	739.84	4844.55	744.81				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3799.22	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3799.22	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.18	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	472286.40	72049.99	54240.91
E.G. Slope (ft/ft)	0.000038	Area (sq ft)	472286.40	72049.99	54240.91
Q Total (cfs)	950406.30	Flow (cfs)	765753.60	139478.60	45174.20
Top Width (ft)	4844.55	Top Width (ft)	3400.00	399.22	1045.33
Vel Total (ft/s)	1.59	Avg. Vel. (ft/s)	1.62	1.94	0.83
Max Chl Dpth (ft)	193.17	Hydr. Depth (ft)	138.91	180.48	51.89
Conv. Total (cfs)	153266100.0	Conv. (cfs)	123488300.0	22492850.0	7284964.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.82	407.26	1086.51
Min Ch El (ft)	567.01	Shear (lb/sq ft)	0.33	0.42	0.12
Alpha	1.07	Stream Power (lb/ft s)	0.53	0.82	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	18551.77	3134.46	4655.01
C & E Loss (ft)		Cum SA (acres)	132.56	17.59	70.87

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2562.98*

INPUT

Description:

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	175	671.95	500	656.94	650	650.04	700	644.73
950	618.13	1000	615.47	1100	610.12	1250	610.08	1350	610.08
1475	610.04	1950	610.04	2025	610.04	2300	610	2600	607.3
3000	603.76	3200	601.97	3400	599.96	3499.81	584.98	3599.61	567
3699.81	567	3799.61	600	3899.39	669.82	4265.24	710.33	4398.28	724.95
4597.83	739.91	4797.39	739.92	4847.28	744.9				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3799.61	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3799.61	4.99	4.99	4.99	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.18	Reach Len. (ft)	4.99	4.99	4.99
Crit W.S. (ft)		Flow Area (sq ft)	472385.30	72112.30	54279.40
E.G. Slope (ft/ft)	0.000038	Area (sq ft)	472385.30	72112.30	54279.40
Q Total (cfs)	950406.20	Flow (cfs)	765722.50	139537.20	45146.57
Top Width (ft)	4847.28	Top Width (ft)	3400.00	399.61	1047.67
Vel Total (ft/s)	1.59	Avg. Vel. (ft/s)	1.62	1.93	0.83
Max Chl Dpth (ft)	193.18	Hydr. Depth (ft)	138.94	180.46	51.81
Conv. Total (cfs)	153325600.0	Conv. (cfs)	123531200.0	22511020.0	7283331.0
Length Wtd. (ft)	4.99	Wetted Per. (ft)	3482.83	407.65	1088.80
Min Ch El (ft)	567.00	Shear (lb/sq ft)	0.33	0.42	0.12
Alpha	1.07	Stream Power (lb/ft s)	0.53	0.82	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	18497.67	3126.20	4648.80
C & E Loss (ft)		Cum SA (acres)	132.17	17.54	70.75

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 2558

INPUT

Description:
Station Elevation Data num= 16

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	680	650	650	950	618	1100	610	2300	610
3200	602	3400	600	3500	585	3600	567	3700	567
3800	600	3900	670	4400	725	4600	740	4800	740
4850	745								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3800	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3800	1638.36	1638.36	1638.36	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.04	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.18	Reach Len. (ft)	1638.36	1638.36	1638.36
Crit W.S. (ft)		Flow Area (sq ft)	472474.80	72173.51	54317.96
E.G. Slope (ft/ft)	0.000038	Area (sq ft)	472474.80	72173.51	54317.96
Q Total (cfs)	950406.10	Flow (cfs)	765687.80	139597.40	45120.95
Top Width (ft)	4850.00	Top Width (ft)	3400.00	400.00	1050.00
Vel Total (ft/s)	1.59	Avg. Vel. (ft/s)	1.62	1.93	0.83
Max Chl Dpth (ft)	193.18	Hydr. Depth (ft)	138.96	180.43	51.73
Conv. Total (cfs)	153380600.0	Conv. (cfs)	123570000.0	22528840.0	7281814.0
Length Wtd. (ft)	1638.36	Wetted Per. (ft)	3482.84	408.03	1091.08
Min Ch El (ft)	567.00	Shear (lb/sq ft)	0.33	0.42	0.12
Alpha	1.07	Stream Power (lb/ft s)	0.53	0.82	0.10
Frctn Loss (ft)	0.03	Cum Volume (acre-ft)	18443.55	3117.93	4642.58
C & E Loss (ft)		Cum SA (acres)	131.78	17.50	70.63

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 924

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	566	3800	566	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.07	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.06	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479026.30	88229.60	181476.00
E.G. Slope (ft/ft)	0.000009	Area (sq ft)	479026.30	88229.60	181476.00
Q Total (cfs)	549521.40	Flow (cfs)	377212.40	80650.59	91658.38
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	0.73	Avg. Vel. (ft/s)	0.79	0.91	0.51
Max Chl Dpth (ft)	194.06	Hydr. Depth (ft)	140.89	176.46	71.17
Conv. Total (cfs)	183744100.0	Conv. (cfs)	126129000.0	26967240.0	30647920.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	514.80	2578.11
Min Ch El (ft)	566.00	Shear (lb/sq ft)	0.08	0.10	0.04
Alpha	1.10	Stream Power (lb/ft s)	0.06	0.09	0.02
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	549.82	101.43	208.29
C & E Loss (ft)		Cum SA (acres)	3.90	0.57	2.93

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 923.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev

0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.99	3800	565.99	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479010.30	88230.01	181464.00
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479010.30	88230.01	181464.00
Q Total (cfs)	974293.10	Flow (cfs)	668792.60	143000.20	162500.30
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.30	Avg. Vel. (ft/s)	1.40	1.62	0.90
Max Chl Dpth (ft)	194.06	Hydr. Depth (ft)	140.89	176.46	71.16
Conv. Total (cfs)	183733900.0	Conv. (cfs)	126122100.0	26967220.0	30644590.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	514.80	2578.11
Min Ch El (ft)	565.99	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.34	0.49	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	544.32	100.41	206.20
C & E Loss (ft)		Cum SA (acres)	3.86	0.57	2.90

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 923.*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610

950	610	1500	607	2300	610	3400	610	3500	600
3650	565.98	3800	565.98	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479009.90	88232.70	181463.70
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479009.90	88232.70	181463.70
Q Total (cfs)	967918.60	Flow (cfs)	664412.80	142069.90	161435.90
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)	1.39	1.61	0.89
Max Chl Dpth (ft)	194.07	Hydr. Depth (ft)	140.89	176.47	71.16
Conv. Total (cfs)	183734700.0	Conv. (cfs)	126121900.0	26968360.0	30644500.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	514.81	2578.11
Min Ch El (ft)	565.98	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.33	0.48	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	538.82	99.40	204.12
C & E Loss (ft)		Cum SA (acres)	3.82	0.56	2.87

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 922.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600

3650	565.97	3800	565.97	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479009.90	88235.45	181463.70
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479009.90	88235.45	181463.70
Q Total (cfs)	974293.10	Flow (cfs)	668784.20	143010.90	162498.00
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.30	Avg. Vel. (ft/s)	1.40	1.62	0.90
Max Chl Dpth (ft)	194.08	Hydr. Depth (ft)	140.89	176.47	71.16
Conv. Total (cfs)	183735900.0	Conv. (cfs)	126121900.0	26969530.0	30644500.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	514.82	2578.11
Min Ch El (ft)	565.97	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.34	0.49	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	533.32	98.39	202.04
C & E Loss (ft)		Cum SA (acres)	3.79	0.56	2.84

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 922.*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.96	3800	565.96	3900	613	4100	660	4250	650

4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479009.90	88238.19	181463.70
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479009.90	88238.19	181463.70
Q Total (cfs)	967918.60	Flow (cfs)	664404.30	142080.50	161433.80
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)	1.39	1.61	0.89
Max Chl Dpth (ft)	194.09	Hydr. Depth (ft)	140.89	176.48	71.16
Conv. Total (cfs)	183737100.0	Conv. (cfs)	126121900.0	26970710.0	30644500.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	514.82	2578.11
Min Ch El (ft)	565.96	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.33	0.48	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	527.83	97.38	199.95
C & E Loss (ft)		Cum SA (acres)	3.75	0.55	2.81

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 921.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.95	3800	565.95	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725

```
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479009.70   88240.91
181463.50
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            479009.70   88240.91
181463.50
  Q Total (cfs)           974293.10    Flow (cfs)              668775.80   143021.50
  162495.90
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.30    Avg. Vel. (ft/s)            1.40       1.62
   0.90
  Max Chl Dpth (ft)         194.10    Hydr. Depth (ft)          140.89     176.48
  71.16
  Conv. Total (cfs)       183738100.0    Conv. (cfs)             126121800.0
26971870.0   30644460.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.83
2578.11
  Min Ch El (ft)            565.95    Shear (lb/sq ft)            0.24       0.30
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.34       0.49
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      522.33      96.36
 197.87
  C & E Loss (ft)                     Cum SA (acres)              3.71       0.55
   2.78


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 921.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.94    3800  565.94    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740
```

```
Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479009.70   88243.66
181463.50
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            479009.70   88243.66
181463.50
  Q Total (cfs)           967918.60    Flow (cfs)              664395.90   142091.00
  161431.70
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.29    Avg. Vel. (ft/s)            1.39       1.61
   0.89
  Max Chl Dpth (ft)         194.11    Hydr. Depth (ft)          140.89     176.49
  71.16
  Conv. Total (cfs)       183739300.0    Conv. (cfs)             126121800.0
26973040.0   30644460.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.84
2578.11
  Min Ch El (ft)            565.94    Shear (lb/sq ft)            0.24       0.30
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.33       0.48
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      516.83      95.35
 195.79
  C & E Loss (ft)                     Cum SA (acres)              3.67       0.54
   2.75


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 920.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.93    3800  565.93    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740
```

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479009.70	88246.41	181463.50
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479009.70	88246.41	181463.50
Q Total (cfs)	974293.10	Flow (cfs)	668767.20	143032.20	162493.80
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.30	Avg. Vel. (ft/s)	1.40	1.62	0.90
Max Chl Dpth (ft)	194.12	Hydr. Depth (ft)	140.89	176.49	71.16
Conv. Total (cfs)	183740500.0	Conv. (cfs)	126121800.0	26974220.0	30644460.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	514.84	2578.11
Min Ch El (ft)	565.93	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.34	0.49	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	511.33	94.34	193.71
C & E Loss (ft)		Cum SA (acres)	3.63	0.53	2.72

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 920.*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.92	3800	565.92	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479009.30	88249.10	181463.20
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479009.30	88249.10	181463.20
Q Total (cfs)	967918.60	Flow (cfs)	664387.50	142101.70	161429.40
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)	1.39	1.61	0.89
Max Chl Dpth (ft)	194.13	Hydr. Depth (ft)	140.89	176.50	71.16
Conv. Total (cfs)	183741400.0	Conv. (cfs)	126121600.0	26975360.0	30644380.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	514.85	2578.11
Min Ch El (ft)	565.92	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.33	0.48	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	505.83	93.32	191.62
C & E Loss (ft)		Cum SA (acres)	3.59	0.53	2.69

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 919.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.91	3800	565.91	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val

0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479008.90	88251.80	181462.90
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479008.90	88251.80	181462.90
Q Total (cfs)	974293.10	Flow (cfs)	668758.90	143042.90	162491.30
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.30	Avg. Vel. (ft/s)	1.40	1.62	0.90
Max Chl Dpth (ft)	194.14	Hydr. Depth (ft)	140.89	176.50	71.16
Conv. Total (cfs)	183742200.0	Conv. (cfs)	126121400.0	26976510.0	30644280.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	514.86	2578.11
Min Ch El (ft)	565.91	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.34	0.49	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	500.34	92.31	189.54
C & E Loss (ft)		Cum SA (acres)	3.55	0.52	2.66

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 919.*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.9	3800	565.9	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479008.90   88254.53
181462.90
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            479008.90   88254.53
181462.90
  Q Total (cfs)           967918.60    Flow (cfs)              664379.20   142112.30
  161427.10
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.29    Avg. Vel. (ft/s)            1.39       1.61
   0.89
  Max Chl Dpth (ft)         194.15    Hydr. Depth (ft)          140.89     176.51
  71.16
  Conv. Total (cfs)       183743400.0    Conv. (cfs)             126121400.0
26977680.0   30644280.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.86
2578.11
  Min Ch El (ft)            565.90    Shear (lb/sq ft)            0.24       0.30
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.33       0.48
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      494.84      91.30
 187.46
  C & E Loss (ft)                     Cum SA (acres)              3.51       0.52
   2.63


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 918.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.89    3800  565.89    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15
```

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
3400 3900 .5 .5 .5 .1 .3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479008.90	88257.28	181462.90
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479008.90	88257.28	181462.90
Q Total (cfs)	974293.10	Flow (cfs)	668750.40	143053.50	162489.20
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.30	Avg. Vel. (ft/s)	1.40	1.62	0.90
Max Chl Dpth (ft)	194.16	Hydr. Depth (ft)	140.89	176.51	71.16
Conv. Total (cfs)	183744600.0	Conv. (cfs)	126121400.0	26978850.0	30644280.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	514.87	2578.11
Min Ch El (ft)	565.89	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.34	0.49	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	489.34	90.29	185.37
C & E Loss (ft)		Cum SA (acres)	3.47	0.51	2.61

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 918.*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.88	3800	565.88	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.

```
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479008.70   88260.01
181462.70
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            479008.70   88260.01
181462.70
  Q Total (cfs)           967918.60    Flow (cfs)              664370.80   142122.90
  161425.00
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.29    Avg. Vel. (ft/s)            1.39       1.61
   0.89
  Max Chl Dpth (ft)         194.17    Hydr. Depth (ft)          140.88     176.52
  71.16
  Conv. Total (cfs)       183745600.0    Conv. (cfs)             126121300.0
26980020.0   30644240.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.88
2578.11
  Min Ch El (ft)            565.88    Shear (lb/sq ft)            0.24       0.30
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.33       0.48
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      483.84      89.27
 183.29
  C & E Loss (ft)                     Cum SA (acres)              3.43       0.51
   2.58


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 917.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.87    3800  565.87    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3
```

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479008.70	88262.76	181462.70
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479008.70	88262.76	181462.70
Q Total (cfs)	967918.60	Flow (cfs)	664366.50	142128.20	161424.00
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)	1.39	1.61	0.89
Max Chl Dpth (ft)	194.18	Hydr. Depth (ft)	140.88	176.53	71.16
Conv. Total (cfs)	183746800.0	Conv. (cfs)	126121300.0	26981190.0	30644240.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	514.88	2578.11
Min Ch El (ft)	565.87	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.33	0.48	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	478.34	88.26	181.21
C & E Loss (ft)		Cum SA (acres)	3.40	0.50	2.55

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 917.*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.86	3800	565.86	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479008.30	88265.45	181462.40
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479008.30	88265.45	181462.40
Q Total (cfs)	967918.60	Flow (cfs)	664362.30	142133.50	161422.70
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)	1.39	1.61	0.89
Max Chl Dpth (ft)	194.19	Hydr. Depth (ft)	140.88	176.53	71.16
Conv. Total (cfs)	183747700.0	Conv. (cfs)	126121200.0	26982340.0	30644160.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	514.89	2578.11
Min Ch El (ft)	565.86	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.33	0.48	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	472.84	87.25	179.12
C & E Loss (ft)		Cum SA (acres)	3.36	0.49	2.52

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 916.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.85	3800	565.85	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

```
  E.G. Elev (ft)            760.08    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479008.30   88268.20
181462.40
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            479008.30   88268.20
181462.40
  Q Total (cfs)           974293.10    Flow (cfs)              668733.40   143074.90
  162484.80
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.30    Avg. Vel. (ft/s)            1.40       1.62
   0.90
  Max Chl Dpth (ft)         194.20    Hydr. Depth (ft)          140.88     176.54
  71.16
  Conv. Total (cfs)       183748800.0    Conv. (cfs)             126121200.0
26983510.0   30644160.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.90
2578.11
  Min Ch El (ft)            565.85    Shear (lb/sq ft)            0.24       0.30
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.34       0.49
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      467.35      86.23
 177.04
  C & E Loss (ft)                     Cum SA (acres)              3.32       0.49
   2.49


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 916.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.84    3800  565.84    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
```

```
  E.G. Elev (ft)            760.08    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479007.80   88270.88
181462.10
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            479007.80   88270.88
181462.10
  Q Total (cfs)           967918.60    Flow (cfs)              664354.00   142144.10
  161420.50
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.29    Avg. Vel. (ft/s)            1.39       1.61
   0.89
  Max Chl Dpth (ft)         194.21    Hydr. Depth (ft)          140.88     176.54
  71.16
  Conv. Total (cfs)       183749700.0    Conv. (cfs)             126121000.0
26984650.0   30644070.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.90
2578.11
  Min Ch El (ft)            565.84    Shear (lb/sq ft)            0.24       0.30
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.33       0.48
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      461.85      85.22
 174.96
  C & E Loss (ft)                     Cum SA (acres)              3.28       0.48
   2.46


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 915.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.83    3800  565.83    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
```

```
  E.G. Elev (ft)            760.08    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)              0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479007.80   88273.63
181462.10
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            479007.80   88273.63
181462.10
  Q Total (cfs)           967918.60    Flow (cfs)              664349.80   142149.40
  161419.50
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.29    Avg. Vel. (ft/s)            1.39       1.61
   0.89
  Max Chl Dpth (ft)         194.22    Hydr. Depth (ft)          140.88     176.55
  71.16
  Conv. Total (cfs)       183750900.0    Conv. (cfs)             126121000.0
26985820.0   30644070.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.91
2578.11
  Min Ch El (ft)            565.83    Shear (lb/sq ft)            0.24       0.30
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.33       0.48
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      456.35      84.21
 172.88
  C & E Loss (ft)                     Cum SA (acres)              3.24       0.48
   2.43


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 915.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.82    3800  565.82    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                    Left OB    Channel
```

```
Right OB
  Vel Head (ft)              0.03    Wt. n-Val.                0.150      0.150
  0.150
  W.S. Elev (ft)           760.05    Reach Len. (ft)            0.50       0.50
   0.50
  Crit W.S. (ft)                     Flow Area (sq ft)      479007.60   88276.35
181462.00
  E.G. Slope (ft/ft)      0.000028   Area (sq ft)           479007.60   88276.35
181462.00
  Q Total (cfs)           967918.60   Flow (cfs)             664345.60   142154.70
  161418.30
  Top Width (ft)           6450.00   Top Width (ft)          3400.00     500.00
2550.00
  Vel Total (ft/s)           1.29    Avg. Vel. (ft/s)           1.39       1.61
   0.89
  Max Chl Dpth (ft)        194.23    Hydr. Depth (ft)         140.88     176.55
  71.16
  Conv. Total (cfs)       183751900.0    Conv. (cfs)            126120900.0
26986980.0   30644030.0
  Length Wtd. (ft)           0.50    Wetted Per. (ft)        3495.68     514.91
2578.11
  Min Ch El (ft)           565.82    Shear (lb/sq ft)           0.24       0.30
   0.12
  Alpha                      1.10    Stream Power (lb/ft s)     0.33       0.48
   0.11
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)     450.85      83.19
 170.79
  C & E Loss (ft)                    Cum SA (acres)             3.20       0.47
   2.40


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 914.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.81    3800  565.81    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)           760.08    Element                   Left OB    Channel
Right OB
```

Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479007.60	88279.11	181462.00
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479007.60	88279.11	181462.00
Q Total (cfs)	967918.60	Flow (cfs)	664341.30	142160.00	161417.30
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)	1.39	1.61	0.89
Max Chl Dpth (ft)	194.24	Hydr. Depth (ft)	140.88	176.56	71.16
Conv. Total (cfs)	183753100.0	Conv. (cfs)	126120900.0	26988160.0	30644030.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	514.92	2578.11
Min Ch El (ft)	565.81	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.33	0.48	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	445.35	82.18	168.71
C & E Loss (ft)		Cum SA (acres)	3.16	0.46	2.37

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 914.*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.8	3800	565.8	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	

```
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479007.20   88281.80
181461.70
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            479007.20   88281.80
181461.70
  Q Total (cfs)           974293.10    Flow (cfs)              668712.40   143101.60
  162479.10
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.30    Avg. Vel. (ft/s)            1.40       1.62
   0.90
  Max Chl Dpth (ft)         194.25    Hydr. Depth (ft)          140.88     176.56
  71.16
  Conv. Total (cfs)       183754000.0    Conv. (cfs)             126120700.0
26989300.0   30643940.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.93
2578.11
  Min Ch El (ft)            565.80    Shear (lb/sq ft)            0.24       0.30
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.34       0.49
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      439.85      81.17
 166.63
  C & E Loss (ft)                     Cum SA (acres)              3.12       0.46
   2.34


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 913.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.79    3800  565.79    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
```

```
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479007.20   88284.55
181461.70
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            479007.20   88284.55
181461.70
  Q Total (cfs)           967918.60    Flow (cfs)              664332.90   142170.60
  161415.00
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.29    Avg. Vel. (ft/s)            1.39       1.61
   0.89
  Max Chl Dpth (ft)         194.26    Hydr. Depth (ft)          140.88     176.57
  71.16
  Conv. Total (cfs)       183755100.0    Conv. (cfs)             126120700.0
26990480.0   30643940.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.93
2578.11
  Min Ch El (ft)            565.79    Shear (lb/sq ft)            0.24       0.30
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.33       0.48
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      434.36      80.15
 164.54
  C & E Loss (ft)                     Cum SA (acres)              3.08       0.45
   2.31


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 913.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.78    3800  565.78    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
```

```
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479007.00   88287.26
181461.50
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            479007.00   88287.26
181461.50
  Q Total (cfs)           967918.60    Flow (cfs)              664328.80   142175.90
  161413.90
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.29    Avg. Vel. (ft/s)            1.39       1.61
   0.89
  Max Chl Dpth (ft)         194.27    Hydr. Depth (ft)          140.88     176.57
  71.16
  Conv. Total (cfs)       183756200.0    Conv. (cfs)             126120600.0
26991630.0   30643900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.94
2578.11
  Min Ch El (ft)            565.78    Shear (lb/sq ft)            0.24       0.30
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.33       0.48
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      428.86      79.14
 162.46
  C & E Loss (ft)                     Cum SA (acres)              3.04       0.45
   2.28


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 912.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.77    3800  565.77    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
```

Crit W.S. (ft)		Flow Area (sq ft)	479007.00	88290.01	181461.50
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479007.00	88290.01	181461.50
Q Total (cfs)	967918.60	Flow (cfs)	664324.50	142181.20	161412.90
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)	1.39	1.61	0.89
Max Chl Dpth (ft)	194.28	Hydr. Depth (ft)	140.88	176.58	71.16
Conv. Total (cfs)	183757300.0	Conv. (cfs)	126120600.0	26992810.0	30643900.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	514.95	2578.11
Min Ch El (ft)	565.77	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.33	0.48	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	423.36	78.13	160.38
C & E Loss (ft)		Cum SA (acres)	3.01	0.44	2.25

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 912.*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.76	3800	565.76	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479007.00	88292.77	

```
181461.50
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            479007.00   88292.77
181461.50
  Q Total (cfs)           974293.10    Flow (cfs)              668695.40   143122.90
  162474.90
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.30    Avg. Vel. (ft/s)            1.40       1.62
   0.90
  Max Chl Dpth (ft)         194.29    Hydr. Depth (ft)          140.88     176.59
  71.16
  Conv. Total (cfs)       183758500.0    Conv. (cfs)             126120600.0
26993980.0   30643900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.95
2578.11
  Min Ch El (ft)            565.76    Shear (lb/sq ft)            0.24       0.30
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.34       0.49
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      417.86      77.11
 158.30
  C & E Loss (ft)                     Cum SA (acres)              2.97       0.44
   2.22


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 911.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.75    3800  565.75    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479006.60   88295.45
181461.20
```

```
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            479006.60   88295.45
181461.20
  Q Total (cfs)           967918.60    Flow (cfs)              664316.20   142191.80
  161410.60
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.29    Avg. Vel. (ft/s)            1.39       1.61
   0.89
  Max Chl Dpth (ft)         194.30    Hydr. Depth (ft)          140.88     176.59
  71.16
  Conv. Total (cfs)       183759400.0    Conv. (cfs)             126120500.0
26995130.0   30643810.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.96
2578.11
  Min Ch El (ft)            565.75    Shear (lb/sq ft)            0.24       0.30
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.33       0.48
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      412.36      76.10
 156.21
  C & E Loss (ft)                     Cum SA (acres)              2.93       0.43
   2.20


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 911.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.74    3800  565.74    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479006.60   88298.21
181461.20
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            479006.60   88298.21
```

```
181461.20
  Q Total (cfs)           974293.10    Flow (cfs)              668686.90   143133.60
  162472.60
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.30    Avg. Vel. (ft/s)            1.40       1.62
   0.90
  Max Chl Dpth (ft)         194.31    Hydr. Depth (ft)          140.88     176.60
  71.16
  Conv. Total (cfs)       183760600.0    Conv. (cfs)             126120500.0
26996310.0   30643810.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.97
2578.11
  Min Ch El (ft)            565.74    Shear (lb/sq ft)            0.24       0.30
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.34       0.49
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      406.86      75.09
 154.13
  C & E Loss (ft)                     Cum SA (acres)              2.89       0.42
   2.17


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 910.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.73    3800  565.73    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479006.20   88300.89
181460.90
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            479006.20   88300.89
181460.90
```

Q Total (cfs)	967918.60	Flow (cfs)	664307.90	142202.50	161408.40
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)	1.39	1.61	0.89
Max Chl Dpth (ft)	194.32	Hydr. Depth (ft)	140.88	176.60	71.16
Conv. Total (cfs)	183761400.0	Conv. (cfs)	126120300.0	26997440.0	30643720.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	514.97	2578.11
Min Ch El (ft)	565.73	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.33	0.48	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	401.37	74.07	152.05
C & E Loss (ft)		Cum SA (acres)	2.85	0.42	2.14

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 910.*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.72	3800	565.72	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479006.20	88303.65	181460.90
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479006.20	88303.65	181460.90
Q Total (cfs)	974293.10	Flow (cfs)	668678.60	143144.30	

```
  162470.30
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.30    Avg. Vel. (ft/s)            1.40       1.62
   0.90
  Max Chl Dpth (ft)         194.33    Hydr. Depth (ft)          140.88     176.61
  71.16
  Conv. Total (cfs)       183762600.0    Conv. (cfs)             126120300.0
26998620.0   30643720.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.98
2578.11
  Min Ch El (ft)            565.72    Shear (lb/sq ft)            0.24       0.30
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.34       0.49
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      395.87      73.06
 149.96
  C & E Loss (ft)                     Cum SA (acres)              2.81       0.41
   2.11


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 909.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.71    3800  565.71    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479005.90   88306.35
181460.70
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            479005.90   88306.35
181460.70
  Q Total (cfs)           967918.60    Flow (cfs)              664299.40   142213.00
  161406.20
```

Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)	1.39	1.61	0.89
Max Chl Dpth (ft)	194.34	Hydr. Depth (ft)	140.88	176.61	71.16
Conv. Total (cfs)	183763600.0	Conv. (cfs)	126120200.0	26999770.0	30643680.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	514.99	2578.11
Min Ch El (ft)	565.71	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.33	0.48	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	390.37	72.05	147.88
C & E Loss (ft)		Cum SA (acres)	2.77	0.41	2.08

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 909.*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.7	3800	565.7	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479005.90	88309.11	181460.70
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479005.90	88309.11	181460.70
Q Total (cfs)	974293.10	Flow (cfs)	668670.00	143155.00	162468.10
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	

```
2550.00
  Vel Total (ft/s)            1.30    Avg. Vel. (ft/s)            1.40       1.62
   0.90
  Max Chl Dpth (ft)         194.35    Hydr. Depth (ft)          140.88     176.62
  71.16
  Conv. Total (cfs)       183764800.0    Conv. (cfs)             126120200.0
27000950.0   30643680.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     514.99
2578.11
  Min Ch El (ft)            565.70    Shear (lb/sq ft)            0.24       0.30
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.34       0.49
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      384.87      71.03
 145.80
  C & E Loss (ft)                     Cum SA (acres)              2.73       0.40
   2.05


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 908.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.69    3800  565.69    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479005.90   88311.86
181460.70
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            479005.90   88311.86
181460.70
  Q Total (cfs)           967918.60    Flow (cfs)              664290.90   142223.60
  161404.10
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
```

Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)	1.39	1.61	0.89
Max Chl Dpth (ft)	194.36	Hydr. Depth (ft)	140.88	176.62	71.16
Conv. Total (cfs)	183766000.0	Conv. (cfs)	126120200.0	27002120.0	30643680.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.00	2578.11
Min Ch El (ft)	565.69	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.33	0.48	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	379.37	70.02	143.72
C & E Loss (ft)		Cum SA (acres)	2.69	0.40	2.02

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 908.*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.68	3800	565.68	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479005.50	88314.55	181460.40
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479005.50	88314.55	181460.40
Q Total (cfs)	967918.60	Flow (cfs)	664286.80	142228.90	161402.90
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)	1.39	1.61	

```
   0.89
  Max Chl Dpth (ft)         194.37    Hydr. Depth (ft)          140.88     176.63
  71.16
  Conv. Total (cfs)       183766900.0    Conv. (cfs)             126120000.0
27003270.0   30643590.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.01
2578.11
  Min Ch El (ft)            565.68    Shear (lb/sq ft)            0.24       0.30
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.33       0.48
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      373.88      69.00
 141.63
  C & E Loss (ft)                     Cum SA (acres)              2.65       0.39
   1.99
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 907.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.67	3800	565.67	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.08    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479005.10   88317.24
181460.10
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            479005.10   88317.24
181460.10
  Q Total (cfs)           967918.60    Flow (cfs)              664282.70   142234.30
  161401.70
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.29    Avg. Vel. (ft/s)            1.39       1.61
   0.89
```

Max Chl Dpth (ft)	194.38	Hydr. Depth (ft)	140.88	176.63	71.16	
Conv. Total (cfs)	183767700.0	Conv. (cfs)	126119800.0	27004410.0	30643510.0	
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.01	2578.11	
Min Ch El (ft)	565.67	Shear (lb/sq ft)	0.24	0.30	0.12	
Alpha	1.10	Stream Power (lb/ft s)	0.33	0.48	0.11	
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	368.38	67.99	139.55	
C & E Loss (ft)		Cum SA (acres)	2.61	0.38	1.96	

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 907.*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.66	3800	565.66	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150	
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50	
Crit W.S. (ft)		Flow Area (sq ft)	479005.10	88319.99	181460.10	
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479005.10	88319.99	181460.10	
Q Total (cfs)	974293.10	Flow (cfs)	668653.30	143176.30	162463.60	
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00	
Vel Total (ft/s)	1.30	Avg. Vel. (ft/s)	1.40	1.62	0.90	
Max Chl Dpth (ft)	194.39	Hydr. Depth (ft)	140.88	176.64		

```
  71.16
  Conv. Total (cfs)       183768900.0    Conv. (cfs)             126119800.0
27005580.0   30643510.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.02
2578.11
  Min Ch El (ft)            565.66    Shear (lb/sq ft)            0.24       0.30
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.34       0.49
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      362.88      66.98
 137.47
  C & E Loss (ft)                     Cum SA (acres)              2.58       0.38
   1.93
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 906.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.65	3800	565.65	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.08    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479005.10   88322.73
181460.10
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            479005.10   88322.73
181460.10
  Q Total (cfs)           967918.60    Flow (cfs)              664274.30   142244.80
  161399.60
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.29    Avg. Vel. (ft/s)            1.39       1.61
   0.89
  Max Chl Dpth (ft)         194.40    Hydr. Depth (ft)          140.88     176.65
  71.16
```

Conv. Total (cfs)	183770100.0	Conv. (cfs)	126119800.0	27006750.0	30643510.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.03	2578.11
Min Ch El (ft)	565.65	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.33	0.48	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	357.38	65.96	135.38
C & E Loss (ft)		Cum SA (acres)	2.54	0.37	1.90

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 906.*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.64	3800	565.64	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479004.90	88325.45	181459.90
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479004.90	88325.45	181459.90
Q Total (cfs)	967918.60	Flow (cfs)	664270.10	142250.10	161398.50
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)	1.39	1.61	0.89
Max Chl Dpth (ft)	194.41	Hydr. Depth (ft)	140.88	176.65	71.16
Conv. Total (cfs)	183771100.0	Conv. (cfs)	126119700.0		

```
27007910.0   30643460.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.03
2578.11
  Min Ch El (ft)            565.64    Shear (lb/sq ft)            0.24       0.30
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.33       0.48
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      351.88      64.95
 133.30
  C & E Loss (ft)                     Cum SA (acres)              2.50       0.37
   1.87


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 905.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.63    3800  565.63    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479004.90   88328.20
181459.90
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            479004.90   88328.20
181459.90
  Q Total (cfs)           967918.60    Flow (cfs)              664265.80   142255.40
  161397.40
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.29    Avg. Vel. (ft/s)            1.39       1.61
   0.89
  Max Chl Dpth (ft)         194.42    Hydr. Depth (ft)          140.88     176.66
  71.16
  Conv. Total (cfs)       183772300.0    Conv. (cfs)             126119700.0
27009090.0   30643460.0
```

Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.04	2578.11
Min Ch El (ft)	565.63	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.33	0.48	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	346.38	63.94	131.22
C & E Loss (ft)		Cum SA (acres)	2.46	0.36	1.84

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 905.*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.62	3800	565.62	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150	
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50	
Crit W.S. (ft)		Flow Area (sq ft)	479004.90	88330.96	181459.90	
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479004.90	88330.96	181459.90	
Q Total (cfs)	974293.10	Flow (cfs)	668636.30	143197.60	162459.30	
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00	
Vel Total (ft/s)	1.30	Avg. Vel. (ft/s)	1.40	1.62	0.90	
Max Chl Dpth (ft)	194.43	Hydr. Depth (ft)	140.88	176.66	71.16	
Conv. Total (cfs)	183773500.0	Conv. (cfs)	126119700.0	27010260.0	30643460.0	
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.04		

2578.11					
Min Ch El (ft)	565.62	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.34	0.49	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	340.89	62.92	129.14
C & E Loss (ft)		Cum SA (acres)	2.42	0.36	1.81

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 904.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.61	3800	565.61	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150	
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50	
Crit W.S. (ft)		Flow Area (sq ft)	479004.50	88333.65	181459.60	
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479004.50	88333.65	181459.60	
Q Total (cfs)	974293.10	Flow (cfs)	668632.10	143203.00	162458.10	
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00	
Vel Total (ft/s)	1.30	Avg. Vel. (ft/s)	1.40	1.62	0.90	
Max Chl Dpth (ft)	194.44	Hydr. Depth (ft)	140.88	176.67	71.16	
Conv. Total (cfs)	183774300.0	Conv. (cfs)	126119600.0	27011410.0	30643380.0	
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.05	2578.11	

Min Ch El (ft)	565.61	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.34	0.49	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	335.39	61.91	127.05
C & E Loss (ft)		Cum SA (acres)	2.38	0.35	1.79

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 904.*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.6	3800	565.6	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150	
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50	
Crit W.S. (ft)		Flow Area (sq ft)	479004.10	88336.34	181459.30	
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479004.10	88336.34	181459.30	
Q Total (cfs)	967918.60	Flow (cfs)	664253.30	142271.40	161394.00	
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00	
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)	1.39	1.61	0.89	
Max Chl Dpth (ft)	194.45	Hydr. Depth (ft)	140.88	176.67	71.16	
Conv. Total (cfs)	183775200.0	Conv. (cfs)	126119400.0	27012550.0	30643290.0	
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.06	2578.11	
Min Ch El (ft)	565.60	Shear (lb/sq ft)	0.24	0.30		

```
   0.12
  Alpha                        1.10    Stream Power (lb/ft s)      0.33       0.48
   0.11
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)      329.89      60.89
 124.97
  C & E Loss (ft)                      Cum SA (acres)              2.34       0.34
   1.76


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 903.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.59    3800  565.59    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479004.10   88339.08
181459.30
  E.G. Slope (ft/ft)      0.000027    Area (sq ft)            479004.10   88339.08
181459.30
  Q Total (cfs)           957857.50    Flow (cfs)              657344.50   140797.70
  159715.30
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.28    Avg. Vel. (ft/s)            1.37       1.59
   0.88
  Max Chl Dpth (ft)         194.46    Hydr. Depth (ft)          140.88     176.68
  71.16
  Conv. Total (cfs)       183776400.0    Conv. (cfs)            126119400.0
27013720.0   30643290.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.06
2578.11
  Min Ch El (ft)            565.59    Shear (lb/sq ft)            0.23       0.29
   0.12
```

```
  Alpha                        1.10    Stream Power (lb/ft s)      0.32       0.46
   0.11
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)      324.39      59.88
 122.89
  C & E Loss (ft)                      Cum SA (acres)              2.30       0.34
   1.73


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 903.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.58    3800  565.58    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479004.10   88341.83
181459.30
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            479004.10   88341.83
181459.30
  Q Total (cfs)           967918.60    Flow (cfs)              664244.90   142281.90
  161391.90
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.29    Avg. Vel. (ft/s)            1.39       1.61
   0.89
  Max Chl Dpth (ft)         194.47    Hydr. Depth (ft)          140.88     176.68
  71.16
  Conv. Total (cfs)       183777600.0    Conv. (cfs)             126119400.0
27014890.0   30643290.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.07
2578.11
  Min Ch El (ft)            565.58    Shear (lb/sq ft)            0.24       0.30
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.33       0.48
```

```
   0.11
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)      318.89      58.87
 120.80
  C & E Loss (ft)                      Cum SA (acres)              2.26       0.33
   1.70


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 902.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.57    3800  565.57    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479003.90   88344.55
181459.20
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            479003.90   88344.55
181459.20
  Q Total (cfs)           974293.10    Flow (cfs)              668615.20   143224.30
  162453.70
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.30    Avg. Vel. (ft/s)            1.40       1.62
   0.90
  Max Chl Dpth (ft)         194.48    Hydr. Depth (ft)          140.88     176.69
  71.16
  Conv. Total (cfs)       183778600.0    Conv. (cfs)             126119300.0
27016050.0   30643250.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.08
2578.11
  Min Ch El (ft)            565.57    Shear (lb/sq ft)            0.24       0.30
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.34       0.49
   0.11
```

```
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)      313.40      57.85
 118.72
  C & E Loss (ft)                      Cum SA (acres)              2.22       0.33
   1.67


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 902.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.56    3800  565.56    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479003.90   88347.30
181459.20
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            479003.90   88347.30
181459.20
  Q Total (cfs)           967918.60    Flow (cfs)              664236.40   142292.50
  161389.80
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.29    Avg. Vel. (ft/s)            1.39       1.61
   0.89
  Max Chl Dpth (ft)         194.49    Hydr. Depth (ft)          140.88     176.69
  71.16
  Conv. Total (cfs)       183779800.0    Conv. (cfs)             126119300.0
27017230.0   30643250.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.08
2578.11
  Min Ch El (ft)            565.56    Shear (lb/sq ft)            0.24       0.30
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.33       0.48
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      307.90      56.84
```

```
 116.64
  C & E Loss (ft)                      Cum SA (acres)              2.19       0.32
   1.64


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 901.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.55    3800  565.55    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479003.50   88350.00
181458.90
  E.G. Slope (ft/ft)      0.000027    Area (sq ft)            479003.50   88350.00
181458.90
  Q Total (cfs)           957857.50    Flow (cfs)              657327.80   140818.70
  159711.00
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.28    Avg. Vel. (ft/s)            1.37       1.59
   0.88
  Max Chl Dpth (ft)         194.50    Hydr. Depth (ft)          140.88     176.70
  71.16
  Conv. Total (cfs)       183780600.0    Conv. (cfs)             126119100.0
27018370.0   30643160.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.09
2578.11
  Min Ch El (ft)            565.55    Shear (lb/sq ft)            0.23       0.29
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.32       0.46
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      302.40      55.82
 114.56
```

```
  C & E Loss (ft)                     Cum SA (acres)              2.15       0.32
   1.61


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 901.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.54    3800  565.54    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479003.50   88352.75
181458.90
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            479003.50   88352.75
181458.90
  Q Total (cfs)           967918.60    Flow (cfs)              664228.10   142303.10
  161387.50
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.29    Avg. Vel. (ft/s)            1.39       1.61
   0.89
  Max Chl Dpth (ft)         194.51    Hydr. Depth (ft)          140.88     176.71
  71.16
  Conv. Total (cfs)       183781800.0    Conv. (cfs)             126119100.0
27019540.0   30643160.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.10
2578.11
  Min Ch El (ft)            565.54    Shear (lb/sq ft)            0.24       0.30
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.33       0.48
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      296.90      54.81
 112.47
  C & E Loss (ft)                     Cum SA (acres)              2.11       0.31
```

1.58

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 900.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.53	3800	565.53	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479003.30	88355.46	181458.70
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479003.30	88355.46	181458.70
Q Total (cfs)	974293.10	Flow (cfs)	668598.40	143245.60	162449.20
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.30	Avg. Vel. (ft/s)	1.40	1.62	0.90
Max Chl Dpth (ft)	194.52	Hydr. Depth (ft)	140.88	176.71	71.16
Conv. Total (cfs)	183782800.0	Conv. (cfs)	126119000.0	27020700.0	30643110.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.10	2578.11
Min Ch El (ft)	565.53	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.34	0.49	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	291.40	53.80	110.39
C & E Loss (ft)		Cum SA (acres)	2.07	0.30	1.55

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 900.*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.52	3800	565.52	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479003.30	88358.21	181458.70
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479003.30	88358.21	181458.70
Q Total (cfs)	967918.60	Flow (cfs)	664219.60	142313.60	161385.30
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)	1.39	1.61	0.89
Max Chl Dpth (ft)	194.53	Hydr. Depth (ft)	140.88	176.72	71.16
Conv. Total (cfs)	183784000.0	Conv. (cfs)	126119000.0	27021870.0	30643110.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.11	2578.11
Min Ch El (ft)	565.52	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.33	0.48	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	285.90	52.78	108.31
C & E Loss (ft)		Cum SA (acres)	2.03	0.30	1.52

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 899.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.51	3800	565.51	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479002.80	88360.90	181458.40
E.G. Slope (ft/ft)	0.000027	Area (sq ft)	479002.80	88360.90	181458.40
Q Total (cfs)	957857.50	Flow (cfs)	657311.30	140839.60	159706.60
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.28	Avg. Vel. (ft/s)	1.37	1.59	0.88
Max Chl Dpth (ft)	194.54	Hydr. Depth (ft)	140.88	176.72	71.16
Conv. Total (cfs)	183784900.0	Conv. (cfs)	126118800.0	27023010.0	30643030.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.12	2578.11
Min Ch El (ft)	565.51	Shear (lb/sq ft)	0.23	0.29	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.32	0.46	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	280.41	51.77	106.22
C & E Loss (ft)		Cum SA (acres)	1.99	0.29	1.49

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 899.*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.5	3800	565.5	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479002.80	88363.66	181458.40
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479002.80	88363.66	181458.40
Q Total (cfs)	967918.60	Flow (cfs)	664211.30	142324.30	161383.10
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)	1.39	1.61	0.89
Max Chl Dpth (ft)	194.55	Hydr. Depth (ft)	140.88	176.73	71.16
Conv. Total (cfs)	183786100.0	Conv. (cfs)	126118800.0	27024190.0	30643030.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.12	2578.11
Min Ch El (ft)	565.50	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.33	0.48	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	274.91	50.75	104.14
C & E Loss (ft)		Cum SA (acres)	1.95	0.29	1.46

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 898.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.49	3800	565.49	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479002.40	88366.34	181458.10
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479002.40	88366.34	181458.10
Q Total (cfs)	974293.10	Flow (cfs)	668581.50	143267.00	162444.70
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.30	Avg. Vel. (ft/s)	1.40	1.62	0.90
Max Chl Dpth (ft)	194.56	Hydr. Depth (ft)	140.88	176.73	71.16
Conv. Total (cfs)	183786900.0	Conv. (cfs)	126118700.0	27025330.0	30642940.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.13	2578.11
Min Ch El (ft)	565.49	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.34	0.49	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	269.41	49.74	102.06
C & E Loss (ft)		Cum SA (acres)	1.91	0.28	1.43

Warning: The cross-section end points had to be extended vertically for the computed

water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 898.*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.48	3800	565.48	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479002.40	88369.09	181458.10
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479002.40	88369.09	181458.10
Q Total (cfs)	967918.60	Flow (cfs)	664202.90	142334.90	161380.80
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)	1.39	1.61	0.89
Max Chl Dpth (ft)	194.57	Hydr. Depth (ft)	140.88	176.74	71.16
Conv. Total (cfs)	183788100.0	Conv. (cfs)	126118700.0	27026500.0	30642940.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.14	2578.11
Min Ch El (ft)	565.48	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.33	0.48	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	263.91	48.72	99.98
C & E Loss (ft)		Cum SA (acres)	1.87	0.28	1.40

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 897.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.47	3800	565.47	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479002.20	88371.82	181457.90
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479002.20	88371.82	181457.90
Q Total (cfs)	967918.60	Flow (cfs)	664198.80	142340.20	161379.70
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)	1.39	1.61	0.89
Max Chl Dpth (ft)	194.58	Hydr. Depth (ft)	140.88	176.74	71.16
Conv. Total (cfs)	183789100.0	Conv. (cfs)	126118600.0	27027670.0	30642900.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.14	2578.11
Min Ch El (ft)	565.47	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.33	0.48	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	258.41	47.71	97.89
C & E Loss (ft)		Cum SA (acres)	1.83	0.27	1.38

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 897.*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.46	3800	565.46	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479002.20	88374.55	181457.90
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479002.20	88374.55	181457.90
Q Total (cfs)	967918.60	Flow (cfs)	664194.50	142345.40	161378.70
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)	1.39	1.61	0.89
Max Chl Dpth (ft)	194.59	Hydr. Depth (ft)	140.88	176.75	71.16
Conv. Total (cfs)	183790300.0	Conv. (cfs)	126118600.0	27028830.0	30642900.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.15	2578.11
Min Ch El (ft)	565.46	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.33	0.48	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	252.91	46.70	95.81
C & E Loss (ft)		Cum SA (acres)	1.80	0.26	1.35

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 896.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.45	3800	565.45	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479002.20	88377.31	181457.90
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479002.20	88377.31	181457.90
Q Total (cfs)	974293.10	Flow (cfs)	668564.50	143288.20	162440.50
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.30	Avg. Vel. (ft/s)	1.40	1.62	0.90
Max Chl Dpth (ft)	194.60	Hydr. Depth (ft)	140.88	176.75	71.16
Conv. Total (cfs)	183791500.0	Conv. (cfs)	126118600.0	27030010.0	30642900.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.16	2578.11
Min Ch El (ft)	565.45	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.34	0.49	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	247.42	45.68	93.73
C & E Loss (ft)		Cum SA (acres)	1.76	0.26	1.32

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

```
RIVER: PALUXY
REACH: LOWER PALUXY       RS: 896.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.44    3800  565.44    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479001.80   88380.00
181457.60
  E.G. Slope (ft/ft)      0.000027    Area (sq ft)            479001.80   88380.00
181457.60
  Q Total (cfs)           957857.50    Flow (cfs)              657282.20   140876.30
  159699.00
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.28    Avg. Vel. (ft/s)            1.37       1.59
   0.88
  Max Chl Dpth (ft)         194.61    Hydr. Depth (ft)          140.88     176.76
  71.16
  Conv. Total (cfs)       183792300.0    Conv. (cfs)             126118400.0
27031150.0   30642810.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.16
2578.11
  Min Ch El (ft)            565.44    Shear (lb/sq ft)            0.23       0.29
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.32       0.46
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      241.92      44.67
  91.64
  C & E Loss (ft)                     Cum SA (acres)              1.72       0.25
   1.29


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION
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RIVER: PALUXY
REACH: LOWER PALUXY RS: 895.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.43	3800	565.43	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479001.40	88382.69	181457.30
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479001.40	88382.69	181457.30
Q Total (cfs)	967918.60	Flow (cfs)	664182.10	142361.40	161375.20
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)	1.39	1.61	0.89
Max Chl Dpth (ft)	194.62	Hydr. Depth (ft)	140.88	176.77	71.16
Conv. Total (cfs)	183793200.0	Conv. (cfs)	126118200.0	27032290.0	30642720.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.17	2578.11
Min Ch El (ft)	565.43	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.33	0.48	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	236.42	43.65	89.56
C & E Loss (ft)		Cum SA (acres)	1.68	0.25	1.26

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY

REACH: LOWER PALUXY RS: 895.*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.42	3800	565.42	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479001.40	88385.45	181457.30
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479001.40	88385.45	181457.30
Q Total (cfs)	967918.60	Flow (cfs)	664177.80	142366.70	161374.10
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)	1.39	1.61	0.89
Max Chl Dpth (ft)	194.63	Hydr. Depth (ft)	140.88	176.77	71.16
Conv. Total (cfs)	183794400.0	Conv. (cfs)	126118200.0	27033470.0	30642720.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.18	2578.11
Min Ch El (ft)	565.42	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.33	0.48	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	230.92	42.64	87.48
C & E Loss (ft)		Cum SA (acres)	1.64	0.24	1.23

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 894.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.41	3800	565.41	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479001.40	88388.20	181457.30
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479001.40	88388.20	181457.30
Q Total (cfs)	974293.10	Flow (cfs)	668547.70	143309.60	162435.90
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.30	Avg. Vel. (ft/s)	1.40	1.62	0.90
Max Chl Dpth (ft)	194.64	Hydr. Depth (ft)	140.88	176.78	71.16
Conv. Total (cfs)	183795600.0	Conv. (cfs)	126118200.0	27034640.0	30642720.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.18	2578.11
Min Ch El (ft)	565.41	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.34	0.49	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	225.42	41.62	85.40
C & E Loss (ft)		Cum SA (acres)	1.60	0.24	1.20

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 894.*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.4	3800	565.4	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479001.20	88390.90	181457.10
E.G. Slope (ft/ft)	0.000027	Area (sq ft)	479001.20	88390.90	181457.10
Q Total (cfs)	957857.50	Flow (cfs)	657265.60	140897.30	159694.60
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.28	Avg. Vel. (ft/s)	1.37	1.59	0.88
Max Chl Dpth (ft)	194.65	Hydr. Depth (ft)	140.88	176.78	71.16
Conv. Total (cfs)	183796600.0	Conv. (cfs)	126118100.0	27035790.0	30642680.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.19	2578.11
Min Ch El (ft)	565.40	Shear (lb/sq ft)	0.23	0.29	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.32	0.46	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	219.93	40.61	83.31
C & E Loss (ft)		Cum SA (acres)	1.56	0.23	1.17

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 893.5*

INPUT

Description:

Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.39	3800	565.39	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479001.20	88393.66	181457.10
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479001.20	88393.66	181457.10
Q Total (cfs)	967918.60	Flow (cfs)	664165.10	142382.50	161371.00
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)	1.39	1.61	0.89
Max Chl Dpth (ft)	194.66	Hydr. Depth (ft)	140.88	176.79	71.16
Conv. Total (cfs)	183797800.0	Conv. (cfs)	126118100.0	27036970.0	30642680.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.20	2578.11
Min Ch El (ft)	565.39	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.33	0.48	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	214.43	39.59	81.23
C & E Loss (ft)		Cum SA (acres)	1.52	0.22	1.14

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 893.*

INPUT
Description:

Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.38	3800	565.38	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479001.20	88396.41	181457.10
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479001.20	88396.41	181457.10
Q Total (cfs)	967918.60	Flow (cfs)	664160.90	142387.80	161369.90
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)	1.39	1.61	0.89
Max Chl Dpth (ft)	194.67	Hydr. Depth (ft)	140.88	176.79	71.16
Conv. Total (cfs)	183798900.0	Conv. (cfs)	126118100.0	27038140.0	30642680.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.20	2578.11
Min Ch El (ft)	565.38	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.33	0.48	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	208.93	38.58	79.15
C & E Loss (ft)		Cum SA (acres)	1.48	0.22	1.11

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 892.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.37	3800	565.37	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479000.80	88399.10	181456.80
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479000.80	88399.10	181456.80
Q Total (cfs)	974293.10	Flow (cfs)	668530.80	143330.90	162431.40
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.30	Avg. Vel. (ft/s)	1.40	1.62	0.90
Max Chl Dpth (ft)	194.68	Hydr. Depth (ft)	140.88	176.80	71.16
Conv. Total (cfs)	183799800.0	Conv. (cfs)	126117900.0	27039280.0	30642600.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.21	2578.11
Min Ch El (ft)	565.37	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.34	0.49	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	203.43	37.56	77.06
C & E Loss (ft)		Cum SA (acres)	1.44	0.21	1.08

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 892.*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev

```
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.36    3800  565.36    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479000.30   88401.79
181456.50
  E.G. Slope (ft/ft)      0.000027    Area (sq ft)            479000.30   88401.79
181456.50
  Q Total (cfs)           957857.50    Flow (cfs)              657249.10   140918.30
  159690.10
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.28    Avg. Vel. (ft/s)            1.37       1.59
   0.88
  Max Chl Dpth (ft)         194.69    Hydr. Depth (ft)          140.88     176.80
  71.16
  Conv. Total (cfs)       183800700.0    Conv. (cfs)             126117800.0
27040430.0   30642510.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.21
2578.11
  Min Ch El (ft)            565.36    Shear (lb/sq ft)            0.23       0.29
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.32       0.46
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      197.93      36.55
  74.98
  C & E Loss (ft)                     Cum SA (acres)              1.40       0.21
   1.05


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 891.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
```

```
     950      610    1500      607    2300      610    3400      610    3500      600
    3650   565.35    3800   565.35    3900      613    4100      660    4250      650
    4350      650    4550      660    4700      660    5400      700    5850      725
    6450      740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)              0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479000.30   88404.54
181456.50
  E.G. Slope (ft/ft)      0.000027    Area (sq ft)            479000.30   88404.54
181456.50
  Q Total (cfs)           957857.50    Flow (cfs)              657244.90   140923.50
  159689.10
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.28    Avg. Vel. (ft/s)             1.37       1.59
   0.88
  Max Chl Dpth (ft)         194.70    Hydr. Depth (ft)           140.88     176.81
  71.16
  Conv. Total (cfs)       183801900.0    Conv. (cfs)             126117800.0
27041600.0   30642510.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.22
2578.11
  Min Ch El (ft)            565.35    Shear (lb/sq ft)             0.23       0.29
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)       0.32       0.46
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)       192.43      35.54
  72.90
  C & E Loss (ft)                     Cum SA (acres)               1.37       0.20
   1.02


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 891.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
```

3650	565.34	3800	565.34	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479000.30	88407.28	181456.50
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479000.30	88407.28	181456.50
Q Total (cfs)	967918.60	Flow (cfs)	664144.30	142409.00	161365.40
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)	1.39	1.61	0.89
Max Chl Dpth (ft)	194.71	Hydr. Depth (ft)	140.88	176.81	71.16
Conv. Total (cfs)	183803000.0	Conv. (cfs)	126117800.0	27042770.0	30642510.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.23	2578.11
Min Ch El (ft)	565.34	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.33	0.48	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	186.94	34.52	70.82
C & E Loss (ft)		Cum SA (acres)	1.33	0.20	1.00

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 890.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.33	3800	565.33	3900	613	4100	660	4250	650

4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	479000.20	88410.00	181456.40
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	479000.20	88410.00	181456.40
Q Total (cfs)	967918.60	Flow (cfs)	664140.10	142414.30	161364.30
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)	1.39	1.61	0.89
Max Chl Dpth (ft)	194.72	Hydr. Depth (ft)	140.88	176.82	71.16
Conv. Total (cfs)	183804100.0	Conv. (cfs)	126117700.0	27043920.0	30642470.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.23	2578.11
Min Ch El (ft)	565.33	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.33	0.48	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	181.44	33.51	68.73
C & E Loss (ft)		Cum SA (acres)	1.29	0.19	0.97

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 890.*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.32	3800	565.32	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725

```
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       479000.20   88412.75
181456.40
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            479000.20   88412.75
181456.40
  Q Total (cfs)           967918.60    Flow (cfs)              664135.90   142419.50
  161363.30
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.29    Avg. Vel. (ft/s)            1.39       1.61
   0.89
  Max Chl Dpth (ft)         194.73    Hydr. Depth (ft)          140.88     176.83
  71.16
  Conv. Total (cfs)       183805200.0    Conv. (cfs)             126117700.0
27045100.0   30642470.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.24
2578.11
  Min Ch El (ft)            565.32    Shear (lb/sq ft)            0.24       0.30
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.33       0.48
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      175.94      32.49
  66.65
  C & E Loss (ft)                     Cum SA (acres)              1.25       0.18
   0.94


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 889.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.31    3800  565.31    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740
```

```
Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478999.80   88415.45
181456.00
  E.G. Slope (ft/ft)      0.000026    Area (sq ft)            478999.80   88415.45
181456.00
  Q Total (cfs)           945900.10    Flow (cfs)              649023.90   139184.90
  157691.30
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.26    Avg. Vel. (ft/s)            1.35       1.57
   0.87
  Max Chl Dpth (ft)         194.74    Hydr. Depth (ft)          140.88     176.83
  71.16
  Conv. Total (cfs)       183806100.0    Conv. (cfs)             126117500.0
27046240.0   30642380.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.25
2578.11
  Min Ch El (ft)            565.31    Shear (lb/sq ft)            0.23       0.28
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.31       0.45
   0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      170.44      31.48
  64.57
  C & E Loss (ft)                     Cum SA (acres)              1.21       0.18
   0.91


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 889.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650   565.3    3800   565.3    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740
```

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	478999.80	88418.20	181456.00
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	478999.80	88418.20	181456.00
Q Total (cfs)	967918.60	Flow (cfs)	664127.50	142430.10	161361.00
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)	1.39	1.61	0.89
Max Chl Dpth (ft)	194.75	Hydr. Depth (ft)	140.88	176.84	71.16
Conv. Total (cfs)	183807300.0	Conv. (cfs)	126117500.0	27047410.0	30642380.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.25	2578.11
Min Ch El (ft)	565.30	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.33	0.48	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	164.94	30.46	62.48
C & E Loss (ft)		Cum SA (acres)	1.17	0.17	0.88

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 888.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.29	3800	565.29	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	478999.30	88420.89	181455.80
E.G. Slope (ft/ft)	0.000027	Area (sq ft)	478999.30	88420.89	181455.80
Q Total (cfs)	957857.60	Flow (cfs)	657220.20	140954.90	159682.50
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.28	Avg. Vel. (ft/s)	1.37	1.59	0.88
Max Chl Dpth (ft)	194.76	Hydr. Depth (ft)	140.88	176.84	71.16
Conv. Total (cfs)	183808200.0	Conv. (cfs)	126117300.0	27048560.0	30642300.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.26	2578.11
Min Ch El (ft)	565.29	Shear (lb/sq ft)	0.23	0.29	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.32	0.46	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	159.45	29.45	60.40
C & E Loss (ft)		Cum SA (acres)	1.13	0.17	0.85

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 888.*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.28	3800	565.28	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val

```
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478999.30   88423.63
181455.80
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            478999.30   88423.63
181455.80
  Q Total (cfs)           967918.60    Flow (cfs)              664119.20   142440.70
  161358.80
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.29    Avg. Vel. (ft/s)            1.39       1.61
   0.89
  Max Chl Dpth (ft)         194.77    Hydr. Depth (ft)          140.88     176.85
  71.16
  Conv. Total (cfs)       183809300.0    Conv. (cfs)             126117300.0
27049720.0   30642300.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.27
2578.11
  Min Ch El (ft)            565.28    Shear (lb/sq ft)            0.24       0.30
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.33       0.48
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      153.95      28.43
  58.32
  C & E Loss (ft)                     Cum SA (acres)              1.09       0.16
   0.82


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 887.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.27    3800  565.27    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478999.10   88426.34
181455.60
  E.G. Slope (ft/ft)      0.000026    Area (sq ft)            478999.10   88426.34
181455.60
  Q Total (cfs)           945900.10    Flow (cfs)              649007.60   139205.60
  157687.00
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.26    Avg. Vel. (ft/s)            1.35       1.57
   0.87
  Max Chl Dpth (ft)         194.78    Hydr. Depth (ft)          140.88     176.85
  71.16
  Conv. Total (cfs)       183810400.0    Conv. (cfs)             126117200.0
27050880.0   30642250.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.27
2578.11
  Min Ch El (ft)            565.27    Shear (lb/sq ft)            0.23       0.28
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.31       0.45
   0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      148.45      27.42
  56.24
  C & E Loss (ft)                     Cum SA (acres)              1.05       0.15
   0.79


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 887.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.26    3800  565.26    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478999.10   88429.10
181455.60
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            478999.10   88429.10
181455.60
  Q Total (cfs)           967918.60    Flow (cfs)              664110.80   142451.30
  161356.60
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.29    Avg. Vel. (ft/s)            1.39       1.61
   0.89
  Max Chl Dpth (ft)         194.79    Hydr. Depth (ft)          140.88     176.86
  71.16
  Conv. Total (cfs)       183811500.0    Conv. (cfs)             126117200.0
27052050.0   30642250.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.28
2578.11
  Min Ch El (ft)            565.26    Shear (lb/sq ft)            0.24       0.30
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.33       0.48
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      142.95      26.40
  54.15
  C & E Loss (ft)                     Cum SA (acres)              1.01       0.15
   0.76


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 886.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.25    3800  565.25    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
```

```
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478998.70   88431.79
181455.30
  E.G. Slope (ft/ft)      0.000027    Area (sq ft)            478998.70   88431.79
181455.30
  Q Total (cfs)           957857.60    Flow (cfs)              657203.60   140975.90
  159678.20
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.28    Avg. Vel. (ft/s)            1.37       1.59
   0.88
  Max Chl Dpth (ft)         194.80    Hydr. Depth (ft)          140.88     176.86
  71.16
  Conv. Total (cfs)       183812400.0    Conv. (cfs)             126117000.0
27053200.0   30642160.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.29
2578.11
  Min Ch El (ft)            565.25    Shear (lb/sq ft)            0.23       0.29
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.32       0.46
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      137.45      25.39
  52.07
  C & E Loss (ft)                     Cum SA (acres)              0.98       0.14
   0.73


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 886.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.24    3800  565.24    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3
```

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	478998.70	88434.55	181455.30
E.G. Slope (ft/ft)	0.000026	Area (sq ft)	478998.70	88434.55	181455.30
Q Total (cfs)	945900.10	Flow (cfs)	648995.20	139221.10	157683.80
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.26	Avg. Vel. (ft/s)	1.35	1.57	0.87
Max Chl Dpth (ft)	194.81	Hydr. Depth (ft)	140.88	176.87	71.16
Conv. Total (cfs)	183813600.0	Conv. (cfs)	126117000.0	27054370.0	30642160.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.29	2578.11
Min Ch El (ft)	565.24	Shear (lb/sq ft)	0.23	0.28	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.31	0.45	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	131.96	24.37	49.99
C & E Loss (ft)		Cum SA (acres)	0.94	0.14	0.70

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 885.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.23	3800	565.23	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	478998.50	88437.27	181455.10
E.G. Slope (ft/ft)	0.000027	Area (sq ft)	478998.50	88437.27	181455.10
Q Total (cfs)	957857.60	Flow (cfs)	657195.30	140986.30	159676.00
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.28	Avg. Vel. (ft/s)	1.37	1.59	0.88
Max Chl Dpth (ft)	194.82	Hydr. Depth (ft)	140.88	176.87	71.16
Conv. Total (cfs)	183814600.0	Conv. (cfs)	126117000.0	27055530.0	30642120.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.68	515.30	2578.11
Min Ch El (ft)	565.23	Shear (lb/sq ft)	0.23	0.29	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.32	0.46	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	126.46	23.36	47.90
C & E Loss (ft)		Cum SA (acres)	0.90	0.13	0.67

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 885.*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.22	3800	565.22	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.08    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)              0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478998.50   88440.02
181455.10
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            478998.50   88440.02
181455.10
  Q Total (cfs)           967918.60    Flow (cfs)              664094.00   142472.50
  161352.20
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.29    Avg. Vel. (ft/s)             1.39       1.61
   0.89
  Max Chl Dpth (ft)         194.83    Hydr. Depth (ft)          140.88     176.88
  71.16
  Conv. Total (cfs)       183815800.0    Conv. (cfs)             126117000.0
27056700.0   30642120.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.31
2578.11
  Min Ch El (ft)            565.22    Shear (lb/sq ft)             0.24       0.30
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)       0.33       0.48
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      120.96      22.34
  45.82
  C & E Loss (ft)                     Cum SA (acres)               0.86       0.13
   0.64


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 884.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.21    3800  565.21    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
```

```
  E.G. Elev (ft)            760.08    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478998.50   88442.76
181455.10
  E.G. Slope (ft/ft)      0.000027    Area (sq ft)            478998.50   88442.76
181455.10
  Q Total (cfs)           957857.60    Flow (cfs)              657186.90   140996.70
  159674.00
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.28    Avg. Vel. (ft/s)            1.37       1.59
   0.88
  Max Chl Dpth (ft)         194.84    Hydr. Depth (ft)          140.88     176.89
  71.16
  Conv. Total (cfs)       183816900.0    Conv. (cfs)             126117000.0
27057870.0   30642120.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.68     515.31
2578.11
  Min Ch El (ft)            565.21    Shear (lb/sq ft)            0.23       0.29
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.32       0.46
   0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      115.46      21.33
  43.74
  C & E Loss (ft)                     Cum SA (acres)              0.82       0.12
   0.61


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 884.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650   565.2    3800   565.2    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
```

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	478998.10	88445.45	181454.80
E.G. Slope (ft/ft)	0.000026	Area (sq ft)	478998.10	88445.45	181454.80
Q Total (cfs)	945900.10	Flow (cfs)	648978.90	139241.80	157679.50
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.26	Avg. Vel. (ft/s)	1.35	1.57	0.87
Max Chl Dpth (ft)	194.85	Hydr. Depth (ft)	140.88	176.89	71.16
Conv. Total (cfs)	183817800.0	Conv. (cfs)	126116800.0	27059010.0	30642030.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.67	515.32	2578.11
Min Ch El (ft)	565.20	Shear (lb/sq ft)	0.23	0.28	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.31	0.45	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	109.96	20.31	41.66
C & E Loss (ft)		Cum SA (acres)	0.78	0.11	0.59

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 883.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.19	3800	565.19	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel

```
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478997.70   88448.14
181454.50
  E.G. Slope (ft/ft)      0.000026    Area (sq ft)            478997.70   88448.14
181454.50
  Q Total (cfs)           932516.70    Flow (cfs)              639792.60   137276.80
  155447.30
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.25    Avg. Vel. (ft/s)            1.34       1.55
   0.86
  Max Chl Dpth (ft)         194.86    Hydr. Depth (ft)          140.88     176.90
  71.16
  Conv. Total (cfs)       183818700.0    Conv. (cfs)             126116600.0
27060150.0   30641950.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.67     515.33
2578.11
  Min Ch El (ft)            565.19    Shear (lb/sq ft)            0.22       0.28
   0.11
  Alpha                       1.10    Stream Power (lb/ft s)      0.29       0.43
   0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      104.46      19.30
  39.57
  C & E Loss (ft)                     Cum SA (acres)              0.74       0.11
   0.56


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 883.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.18    3800  565.18    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                    Left OB    Channel
Right OB
```

Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	478997.70	88450.89	181454.50
E.G. Slope (ft/ft)	0.000028	Area (sq ft)	478997.70	88450.89	181454.50
Q Total (cfs)	967918.60	Flow (cfs)	664077.40	142493.60	161347.70
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)	1.39	1.61	0.89
Max Chl Dpth (ft)	194.87	Hydr. Depth (ft)	140.88	176.90	71.16
Conv. Total (cfs)	183819900.0	Conv. (cfs)	126116600.0	27061320.0	30641950.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.67	515.33	2578.11
Min Ch El (ft)	565.18	Shear (lb/sq ft)	0.24	0.30	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.33	0.48	0.11
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	98.97	18.28	37.49
C & E Loss (ft)		Cum SA (acres)	0.70	0.10	0.53

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 882.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.17	3800	565.17	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	

```
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478997.70   88453.64
181454.50
  E.G. Slope (ft/ft)      0.000028    Area (sq ft)            478997.70   88453.64
181454.50
  Q Total (cfs)           967918.60    Flow (cfs)              664073.10   142498.90
  161346.70
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.29    Avg. Vel. (ft/s)            1.39       1.61
   0.89
  Max Chl Dpth (ft)         194.88    Hydr. Depth (ft)          140.88     176.91
  71.16
  Conv. Total (cfs)       183821100.0    Conv. (cfs)             126116600.0
27062500.0   30641950.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.67     515.34
2578.11
  Min Ch El (ft)            565.17    Shear (lb/sq ft)            0.24       0.30
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.33       0.48
   0.11
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)       93.47      17.26
  35.41
  C & E Loss (ft)                     Cum SA (acres)              0.66       0.10
   0.50


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 882.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.16    3800  565.16    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
```

W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	478997.40	88456.37	181454.30
E.G. Slope (ft/ft)	0.000027	Area (sq ft)	478997.40	88456.37	181454.30
Q Total (cfs)	957857.60	Flow (cfs)	657166.20	141023.00	159668.40
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.28	Avg. Vel. (ft/s)	1.37	1.59	0.88
Max Chl Dpth (ft)	194.89	Hydr. Depth (ft)	140.88	176.91	71.16
Conv. Total (cfs)	183822100.0	Conv. (cfs)	126116500.0	27063660.0	30641900.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.67	515.35	2578.11
Min Ch El (ft)	565.16	Shear (lb/sq ft)	0.23	0.29	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.32	0.46	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	87.97	16.25	33.32
C & E Loss (ft)		Cum SA (acres)	0.62	0.09	0.47

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 881.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.15	3800	565.15	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	

```
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478997.40   88459.10
181454.30
  E.G. Slope (ft/ft)      0.000026    Area (sq ft)            478997.40   88459.10
181454.30
  Q Total (cfs)           945900.10    Flow (cfs)              648958.30   139267.60
  157674.20
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.26    Avg. Vel. (ft/s)            1.35       1.57
   0.87
  Max Chl Dpth (ft)         194.90    Hydr. Depth (ft)          140.88     176.92
  71.16
  Conv. Total (cfs)       183823200.0    Conv. (cfs)             126116500.0
27064820.0   30641900.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.67     515.35
2578.11
  Min Ch El (ft)            565.15    Shear (lb/sq ft)            0.23       0.28
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.31       0.45
   0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)       82.47      15.23
  31.24
  C & E Loss (ft)                     Cum SA (acres)              0.59       0.09
   0.44


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 881.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.14    3800  565.14    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
```

Crit W.S. (ft)		Flow Area (sq ft)	478997.40	88461.86	181454.30
E.G. Slope (ft/ft)	0.000027	Area (sq ft)	478997.40	88461.86	181454.30
Q Total (cfs)	957857.60	Flow (cfs)	657157.90	141033.40	159666.40
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.28	Avg. Vel. (ft/s)	1.37	1.59	0.88
Max Chl Dpth (ft)	194.91	Hydr. Depth (ft)	140.88	176.92	71.16
Conv. Total (cfs)	183824400.0	Conv. (cfs)	126116500.0	27066000.0	30641900.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.67	515.36	2578.11
Min Ch El (ft)	565.14	Shear (lb/sq ft)	0.23	0.29	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.32	0.46	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	76.97	14.22	29.16
C & E Loss (ft)		Cum SA (acres)	0.55	0.08	0.41

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 880.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.13	3800	565.13	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	478997.00	88464.55	

```
181454.00
  E.G. Slope (ft/ft)      0.000026    Area (sq ft)            478997.00   88464.55
181454.00
  Q Total (cfs)           945900.10    Flow (cfs)              648950.20   139278.00
  157672.00
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.26    Avg. Vel. (ft/s)            1.35       1.57
   0.87
  Max Chl Dpth (ft)         194.92    Hydr. Depth (ft)          140.88     176.93
  71.16
  Conv. Total (cfs)       183825300.0    Conv. (cfs)             126116300.0
27067140.0   30641810.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.67     515.37
2578.11
  Min Ch El (ft)            565.13    Shear (lb/sq ft)            0.23       0.28
   0.12
  Alpha                       1.10    Stream Power (lb/ft s)      0.31       0.45
   0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)       71.48      13.20
  27.08
  C & E Loss (ft)                     Cum SA (acres)              0.51       0.07
   0.38


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 880.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.12    3800  565.12    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478996.60   88467.24
181453.70
```

```
  E.G. Slope (ft/ft)      0.000026    Area (sq ft)            478996.60   88467.24
181453.70
  Q Total (cfs)           932516.70    Flow (cfs)              639764.30   137312.50
  155439.90
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.25    Avg. Vel. (ft/s)            1.34       1.55
   0.86
  Max Chl Dpth (ft)         194.93    Hydr. Depth (ft)          140.88     176.93
  71.16
  Conv. Total (cfs)       183826200.0    Conv. (cfs)             126116200.0
27068280.0   30641730.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.67     515.37
2578.11
  Min Ch El (ft)            565.12    Shear (lb/sq ft)            0.22       0.28
   0.11
  Alpha                       1.10    Stream Power (lb/ft s)      0.29       0.43
   0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)       65.98      12.19
  24.99
  C & E Loss (ft)                     Cum SA (acres)              0.47       0.07
   0.35


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 879.5*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.11    3800  565.11    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478996.60   88469.99
181453.70
  E.G. Slope (ft/ft)      0.000026    Area (sq ft)            478996.60   88469.99
```

```
181453.70
  Q Total (cfs)           932516.70    Flow (cfs)              639760.30   137317.50
  155438.90
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.25    Avg. Vel. (ft/s)            1.34       1.55
   0.86
  Max Chl Dpth (ft)         194.94    Hydr. Depth (ft)          140.88     176.94
  71.16
  Conv. Total (cfs)       183827300.0    Conv. (cfs)             126116200.0
27069450.0   30641730.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.67     515.38
2578.11
  Min Ch El (ft)            565.11    Shear (lb/sq ft)            0.22       0.28
   0.11
  Alpha                       1.10    Stream Power (lb/ft s)      0.29       0.43
   0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)       60.48      11.17
  22.91
  C & E Loss (ft)                     Cum SA (acres)              0.43       0.06
   0.32


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 879.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650   565.1    3800   565.1    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900               .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478996.60   88472.74
181453.70
  E.G. Slope (ft/ft)      0.000027    Area (sq ft)            478996.60   88472.74
181453.70
```

Q Total (cfs)	957857.60	Flow (cfs)	657141.40	141054.30	159661.90
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.28	Avg. Vel. (ft/s)	1.37	1.59	0.88
Max Chl Dpth (ft)	194.95	Hydr. Depth (ft)	140.88	176.95	71.16
Conv. Total (cfs)	183828500.0	Conv. (cfs)	126116200.0	27070620.0	30641730.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.67	515.39	2578.11
Min Ch El (ft)	565.10	Shear (lb/sq ft)	0.23	0.29	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.32	0.46	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	54.98	10.16	20.83
C & E Loss (ft)		Cum SA (acres)	0.39	0.06	0.29

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 878.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.09	3800	565.09	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.03	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	478996.40	88475.45	181453.60
E.G. Slope (ft/ft)	0.000026	Area (sq ft)	478996.40	88475.45	181453.60
Q Total (cfs)	932516.70	Flow (cfs)	639752.10	137327.70	

```
  155436.80
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.25    Avg. Vel. (ft/s)            1.34       1.55
   0.86
  Max Chl Dpth (ft)         194.96    Hydr. Depth (ft)          140.88     176.95
  71.16
  Conv. Total (cfs)       183829500.0    Conv. (cfs)             126116100.0
27071770.0   30641690.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.67     515.39
2578.11
  Min Ch El (ft)            565.09    Shear (lb/sq ft)            0.22       0.28
   0.11
  Alpha                       1.10    Stream Power (lb/ft s)      0.29       0.43
   0.10
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)       49.48       9.14
  18.75
  C & E Loss (ft)                     Cum SA (acres)              0.35       0.05
   0.26


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 878.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.08    3800  565.08    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478996.40   88478.20
181453.60
  E.G. Slope (ft/ft)      0.000024    Area (sq ft)            478996.40   88478.20
181453.60
  Q Total (cfs)           902013.40    Flow (cfs)              618821.40   132840.50
  150351.40
```

Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00
Vel Total (ft/s)	1.20	Avg. Vel. (ft/s)	1.29	1.50	0.83
Max Chl Dpth (ft)	194.97	Hydr. Depth (ft)	140.88	176.96	71.16
Conv. Total (cfs)	183830700.0	Conv. (cfs)	126116100.0	27072950.0	30641690.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.67	515.40	2578.11
Min Ch El (ft)	565.08	Shear (lb/sq ft)	0.21	0.26	0.11
Alpha	1.10	Stream Power (lb/ft s)	0.27	0.39	0.09
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	43.98	8.13	16.66
C & E Loss (ft)		Cum SA (acres)	0.31	0.05	0.23

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 877.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.07	3800	565.07	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.07	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50
Crit W.S. (ft)		Flow Area (sq ft)	478996.00	88480.90	181453.20
E.G. Slope (ft/ft)	0.000022	Area (sq ft)	478996.00	88480.90	181453.20
Q Total (cfs)	867489.60	Flow (cfs)	595132.90	127760.90	144595.80
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	

```
2550.00
  Vel Total (ft/s)            1.16    Avg. Vel. (ft/s)            1.24       1.44
   0.80
  Max Chl Dpth (ft)         194.98    Hydr. Depth (ft)          140.88     176.96
  71.16
  Conv. Total (cfs)       183831600.0    Conv. (cfs)             126115900.0
27074090.0   30641600.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.67     515.41
2578.11
  Min Ch El (ft)            565.07    Shear (lb/sq ft)            0.19       0.24
   0.10
  Alpha                       1.10    Stream Power (lb/ft s)      0.24       0.34
   0.08
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)       38.49       7.11
  14.58
  C & E Loss (ft)                     Cum SA (acres)              0.27       0.04
   0.20


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 877.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.06    3800  565.06    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.08    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.03    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478996.00   88483.65
181453.20
  E.G. Slope (ft/ft)      0.000026    Area (sq ft)            478996.00   88483.65
181453.20
  Q Total (cfs)           945900.10    Flow (cfs)              648921.60   139314.10
  157664.50
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
```

Vel Total (ft/s)	1.26	Avg. Vel. (ft/s)	1.35	1.57	0.87
Max Chl Dpth (ft)	194.99	Hydr. Depth (ft)	140.88	176.97	71.16
Conv. Total (cfs)	183832700.0	Conv. (cfs)	126115900.0	27075260.0	30641600.0
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.67	515.41	2578.11
Min Ch El (ft)	565.06	Shear (lb/sq ft)	0.23	0.28	0.12
Alpha	1.10	Stream Power (lb/ft s)	0.31	0.45	0.10
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	32.99	6.09	12.50
C & E Loss (ft)		Cum SA (acres)	0.23	0.03	0.18

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 876.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.05	3800	565.05	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.07	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150	
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50	
Crit W.S. (ft)		Flow Area (sq ft)	478995.60	88486.34	181452.90	
E.G. Slope (ft/ft)	0.000024	Area (sq ft)	478995.60	88486.34	181452.90	
Q Total (cfs)	902013.40	Flow (cfs)	618809.80	132855.30	150348.20	
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00	
Vel Total (ft/s)	1.20	Avg. Vel. (ft/s)	1.29	1.50		

```
   0.83
  Max Chl Dpth (ft)         195.00    Hydr. Depth (ft)          140.88     176.97
  71.16
  Conv. Total (cfs)       183833600.0    Conv. (cfs)             126115700.0
27076400.0   30641510.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.67     515.42
2578.10
  Min Ch El (ft)            565.05    Shear (lb/sq ft)            0.21       0.26
   0.11
  Alpha                       1.10    Stream Power (lb/ft s)      0.27       0.39
   0.09
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)       27.49       5.08
  10.41
  C & E Loss (ft)                     Cum SA (acres)              0.20       0.03
   0.15


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 876.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.04    3800  565.04    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.07    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478995.60   88489.09
181452.90
  E.G. Slope (ft/ft)      0.000021    Area (sq ft)            478995.60   88489.09
181452.90
  Q Total (cfs)           848811.50    Flow (cfs)              582307.90   125024.00
  141479.60
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.13    Avg. Vel. (ft/s)            1.22       1.41
   0.78
```

Max Chl Dpth (ft)	195.01	Hydr. Depth (ft)	140.88	176.98	71.16	
Conv. Total (cfs)	183834800.0	Conv. (cfs)	126115700.0	27077580.0	30641510.0	
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.67	515.43	2578.10	
Min Ch El (ft)	565.04	Shear (lb/sq ft)	0.18	0.23	0.09	
Alpha	1.10	Stream Power (lb/ft s)	0.22	0.32	0.07	
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	21.99	4.06	8.33	
C & E Loss (ft)		Cum SA (acres)	0.16	0.02	0.12	

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 875.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.03	3800	565.03	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.07	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.02	Wt. n-Val.	0.150	0.150	0.150	
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50	
Crit W.S. (ft)		Flow Area (sq ft)	478995.40	88491.80	181452.80	
E.G. Slope (ft/ft)	0.000016	Area (sq ft)	478995.40	88491.80	181452.80	
Q Total (cfs)	736487.60	Flow (cfs)	505247.50	108483.50	122756.60	
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00	
Vel Total (ft/s)	0.98	Avg. Vel. (ft/s)	1.05	1.23	0.68	
Max Chl Dpth (ft)	195.02	Hydr. Depth (ft)	140.88	176.98		

```
  71.16
  Conv. Total (cfs)       183835800.0    Conv. (cfs)             126115600.0
27078730.0   30641470.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.67     515.43
2578.10
  Min Ch El (ft)            565.03    Shear (lb/sq ft)            0.14       0.17
   0.07
  Alpha                       1.10    Stream Power (lb/ft s)      0.14       0.21
   0.05
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)       16.49       3.05
   6.25
  C & E Loss (ft)                     Cum SA (acres)              0.12       0.02
   0.09


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 875.*

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650  565.02    3800  565.02    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                .5      .5      .5              .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.07    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.02    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)             0.50       0.50
   0.50
  Crit W.S. (ft)                      Flow Area (sq ft)       478995.40   88494.55
181452.80
  E.G. Slope (ft/ft)      0.000024    Area (sq ft)            478995.40   88494.55
181452.80
  Q Total (cfs)           902013.40    Flow (cfs)              618798.10   132870.10
  150345.20
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            1.20    Avg. Vel. (ft/s)            1.29       1.50
   0.83
  Max Chl Dpth (ft)         195.03    Hydr. Depth (ft)          140.88     176.99
  71.16
```

Conv. Total (cfs)	183837000.0	Conv. (cfs)	126115600.0	27079900.0	30641470.0	
Length Wtd. (ft)	0.50	Wetted Per. (ft)	3495.67	515.44	2578.10	
Min Ch El (ft)	565.02	Shear (lb/sq ft)	0.21	0.26	0.11	
Alpha	1.10	Stream Power (lb/ft s)	0.27	0.39	0.09	
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	11.00	2.03	4.17	
C & E Loss (ft)		Cum SA (acres)	0.08	0.01	0.06	

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: PALUXY
REACH: LOWER PALUXY RS: 874.5*

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	670	50	670	350	658	600	650	750	610
950	610	1500	607	2300	610	3400	610	3500	600
3650	565.01	3800	565.01	3900	613	4100	660	4250	650
4350	650	4550	660	4700	660	5400	700	5850	725
6450	740								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3400	.15	3900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3400	3900	.5	.5	.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.06	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.01	Wt. n-Val.	0.150	0.150	0.150	
W.S. Elev (ft)	760.05	Reach Len. (ft)	0.50	0.50	0.50	
Crit W.S. (ft)		Flow Area (sq ft)	478995.00	88497.24	181452.50	
E.G. Slope (ft/ft)	0.000010	Area (sq ft)	478995.00	88497.24	181452.50	
Q Total (cfs)	593777.30	Flow (cfs)	407339.80	87468.97	98968.52	
Top Width (ft)	6450.00	Top Width (ft)	3400.00	500.00	2550.00	
Vel Total (ft/s)	0.79	Avg. Vel. (ft/s)	0.85	0.99	0.55	
Max Chl Dpth (ft)	195.04	Hydr. Depth (ft)	140.88	176.99	71.16	
Conv. Total (cfs)	183837900.0	Conv. (cfs)	126115400.0			

```
27081040.0   30641390.0
  Length Wtd. (ft)            0.50    Wetted Per. (ft)         3495.67     515.44
2578.10
  Min Ch El (ft)            565.01    Shear (lb/sq ft)            0.09       0.11
   0.05
  Alpha                       1.10    Stream Power (lb/ft s)      0.08       0.11
   0.03
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)        5.50       1.02
   2.08
  C & E Loss (ft)                     Cum SA (acres)              0.04       0.01
   0.03


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: PALUXY
REACH: LOWER PALUXY       RS: 874

INPUT
Description:
Station Elevation Data    num=      21
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     670      50     670     350     658     600     650     750     610
     950     610    1500     607    2300     610    3400     610    3500     600
    3650     565    3800     565    3900     613    4100     660    4250     650
    4350     650    4550     660    4700     660    5400     700    5850     725
    6450     740

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    3400     .15    3900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          3400    3900                 5       5       5              .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.05    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.05    Reach Len. (ft)

  Crit W.S. (ft)            565.05    Flow Area (sq ft)       478995.00   88499.99
181452.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            478995.00   88499.99
181452.50
  Q Total (cfs)              10.49    Flow (cfs)                  7.20       1.55
   1.75
  Top Width (ft)           6450.00    Top Width (ft)           3400.00     500.00
2550.00
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         195.05    Hydr. Depth (ft)          140.88     177.00
  71.16
  Conv. Total (cfs)       183839000.0    Conv. (cfs)             126115400.0
27082210.0   30641390.0
```

Length Wtd. (ft)		Wetted Per. (ft)	3495.67	515.45	2578.10
Min Ch El (ft)	565.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.10	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)		Cum Volume (acre-ft)			
C & E Loss (ft)		Cum SA (acres)			

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 24757

INPUT
Description:
Station Elevation Data num= 17

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	810	250	790	850	720	1000	720	1200	710
1400	700	1500	703	1875	671	2500	660	2775	660
2825	650	2825	646	2900	646	3000	660	3125	660
3600	668	4000	780						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2775	.15	3000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2775	3000	1	1	1	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150	
W.S. Elev (ft)	760.31	Reach Len. (ft)	1.00	1.00	1.00	
Crit W.S. (ft)		Flow Area (sq ft)	153351.70	24570.11	73503.79	
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	153351.70	24570.11	73503.79	
Q Total (cfs)	5491.85	Flow (cfs)	3146.43	683.32	1662.11	
Top Width (ft)	3425.21	Top Width (ft)	2270.53	225.00	929.68	
Vel Total (ft/s)	0.02	Avg. Vel. (ft/s)	0.02	0.03	0.02	
Max Chl Dpth (ft)	114.31	Hydr. Depth (ft)	67.54	109.20	79.06	
Conv. Total (cfs)	43918470.0	Conv. (cfs)	25162070.0	5464507.0	13291900.0	
Length Wtd. (ft)	1.00	Wetted Per. (ft)	2274.88	230.97	942.43	
Min Ch El (ft)	646.00	Shear (lb/sq ft)	0.00	0.00	0.00	
Alpha	1.03	Stream Power (lb/ft s)	0.00	0.00		

```
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    406809.10   23688.45
160092.50
  C & E Loss (ft)                     Cum SA (acres)           3814.69     157.54
1456.63



CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24756.*

INPUT
Description:
Station Elevation Data    num=      17
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810     250     790     850     720    1000     720    1200     710
    1400     700    1500     703    1875     671    2500     660    2775     660
    2825     650    2825   645.9    2900   645.9    3000     660    3125     660
    3600     668    4000     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2775     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2775    3000                 1       1       1             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             1.00       1.00
   1.00
  Crit W.S. (ft)                      Flow Area (sq ft)       153351.70   24582.60
73503.79
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            153351.70   24582.60
73503.79
  Q Total (cfs)            5491.85    Flow (cfs)               3146.22     683.63
1662.00
  Top Width (ft)           3425.21    Top Width (ft)           2270.53     225.00
 929.68
  Vel Total (ft/s)            0.02    Avg. Vel. (ft/s)            0.02       0.03
   0.02
  Max Chl Dpth (ft)         114.41    Hydr. Depth (ft)           67.54     109.26
  79.06
  Conv. Total (cfs)       43921310.0    Conv. (cfs)             25162070.0
5467343.0   13291900.0
  Length Wtd. (ft)            1.00    Wetted Per. (ft)         2274.88     231.08
 942.43
  Min Ch El (ft)            645.90    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.03    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    406805.60   23687.88
160090.80
  C & E Loss (ft)                     Cum SA (acres)           3814.64     157.53
1456.60
```

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 24755.*

INPUT
Description:
Station Elevation Data num= 17

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	810	250	790	850	720	1000	720	1200	710
1400	700	1500	703	1875	671	2500	660	2775	660
2825	650	2825	645.8	2900	645.8	3000	660	3125	660
3600	668	4000	780						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2775	.15	3000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2775	3000	1	1	1	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	1.00	1.00	1.00
Crit W.S. (ft)		Flow Area (sq ft)	153351.70	24595.11	73503.79
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	153351.70	24595.11	73503.79
Q Total (cfs)	5491.85	Flow (cfs)	3146.02	683.94	1661.89
Top Width (ft)	3425.21	Top Width (ft)	2270.53	225.00	929.68
Vel Total (ft/s)	0.02	Avg. Vel. (ft/s)	0.02	0.03	0.02
Max Chl Dpth (ft)	114.51	Hydr. Depth (ft)	67.54	109.31	79.06
Conv. Total (cfs)	43924140.0	Conv. (cfs)	25162070.0	5470179.0	13291900.0
Length Wtd. (ft)	1.00	Wetted Per. (ft)	2274.88	231.19	942.43
Min Ch El (ft)	645.80	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.03	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	406802.10	23687.32	160089.10
C & E Loss (ft)		Cum SA (acres)	3814.59	157.53	1456.58

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 24754.*

INPUT
Description:
Station Elevation Data num= 17

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	810	250	790	850	720	1000	720	1200	710
1400	700	1500	703	1875	671	2500	660	2775	660
2825	650	2825	645.7	2900	645.7	3000	660	3125	660
3600	668	4000	780						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2775	.15	3000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2775	3000	1	1	1	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	1.00	1.00	1.00
Crit W.S. (ft)		Flow Area (sq ft)	153351.70	24607.61	73503.79
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	153351.70	24607.61	73503.79
Q Total (cfs)	5491.84	Flow (cfs)	3145.81	684.25	1661.78
Top Width (ft)	3425.21	Top Width (ft)	2270.53	225.00	929.68
Vel Total (ft/s)	0.02	Avg. Vel. (ft/s)	0.02	0.03	0.02
Max Chl Dpth (ft)	114.61	Hydr. Depth (ft)	67.54	109.37	79.06
Conv. Total (cfs)	43926980.0	Conv. (cfs)	25162070.0	5473012.0	13291900.0
Length Wtd. (ft)	1.00	Wetted Per. (ft)	2274.88	231.31	942.43
Min Ch El (ft)	645.70	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.03	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	406798.50	23686.75	160087.40
C & E Loss (ft)		Cum SA (acres)	3814.54	157.52	1456.56

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 24753.*

INPUT

Description:
Station Elevation Data num= 17

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	810	250	790	850	720	1000	720	1200	710
1400	700	1500	703	1875	671	2500	660	2775	660
2825	650	2825	645.6	2900	645.6	3000	660	3125	660
3600	668	4000	780						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2775	.15	3000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2775	3000	1	1	1	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	1.00	1.00	1.00
Crit W.S. (ft)		Flow Area (sq ft)	153351.70	24620.11	73503.79
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	153351.70	24620.11	73503.79
Q Total (cfs)	5491.84	Flow (cfs)	3145.61	684.56	1661.67
Top Width (ft)	3425.21	Top Width (ft)	2270.53	225.00	929.68
Vel Total (ft/s)	0.02	Avg. Vel. (ft/s)	0.02	0.03	0.02
Max Chl Dpth (ft)	114.71	Hydr. Depth (ft)	67.54	109.42	79.06
Conv. Total (cfs)	43929810.0	Conv. (cfs)	25162070.0	5475845.0	13291900.0
Length Wtd. (ft)	1.00	Wetted Per. (ft)	2274.88	231.42	942.43
Min Ch El (ft)	645.60	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.03	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	406795.00	23686.19	160085.80
C & E Loss (ft)		Cum SA (acres)	3814.49	157.52	1456.54

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 24752.*

INPUT
Description:
Station Elevation Data num= 17

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	810	250	790	850	720	1000	720	1200	710
1400	700	1500	703	1875	671	2500	660	2775	660

2825	650	2825	645.5	2900	645.5	3000	660	3125	660
3600	668	4000	780						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2775	.15	3000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2775	3000	1	1	1	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	1.00	1.00	1.00
Crit W.S. (ft)		Flow Area (sq ft)	153351.70	24632.61	73503.79
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	153351.70	24632.61	73503.79
Q Total (cfs)	5491.84	Flow (cfs)	3145.41	684.87	1661.57
Top Width (ft)	3425.21	Top Width (ft)	2270.53	225.00	929.68
Vel Total (ft/s)	0.02	Avg. Vel. (ft/s)	0.02	0.03	0.02
Max Chl Dpth (ft)	114.81	Hydr. Depth (ft)	67.54	109.48	79.06
Conv. Total (cfs)	43932640.0	Conv. (cfs)	25162070.0	5478675.0	13291900.0
Length Wtd. (ft)	1.00	Wetted Per. (ft)	2274.88	231.54	942.43
Min Ch El (ft)	645.50	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.03	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	406791.50	23685.63	160084.10
C & E Loss (ft)		Cum SA (acres)	3814.43	157.51	1456.52

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 24751.*

INPUT
Description:
Station Elevation Data num= 17

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	810	250	790	850	720	1000	720	1200	710
1400	700	1500	703	1875	671	2500	660	2775	660
2825	650	2825	645.4	2900	645.4	3000	660	3125	660
3600	668	4000	780						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val

```
       0     .15    2775     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2775    3000                1       1       1             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             1.00       1.00
   1.00
  Crit W.S. (ft)                      Flow Area (sq ft)       153351.70   24645.10
73503.79
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            153351.70   24645.10
73503.79
  Q Total (cfs)            5491.84    Flow (cfs)               3145.20     685.18
1661.46
  Top Width (ft)           3425.21    Top Width (ft)           2270.53     225.00
 929.68
  Vel Total (ft/s)            0.02    Avg. Vel. (ft/s)            0.02       0.03
   0.02
  Max Chl Dpth (ft)         114.91    Hydr. Depth (ft)           67.54     109.53
  79.06
  Conv. Total (cfs)       43935470.0    Conv. (cfs)             25162070.0
5481503.0   13291900.0
  Length Wtd. (ft)            1.00    Wetted Per. (ft)         2274.88     231.65
 942.43
  Min Ch El (ft)            645.40    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.03    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    406787.90   23685.06
160082.40
  C & E Loss (ft)                     Cum SA (acres)           3814.38     157.51
1456.50



CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24750.*

INPUT
Description:
Station Elevation Data    num=      17
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810     250     790     850     720    1000     720    1200     710
    1400     700    1500     703    1875     671    2500     660    2775     660
    2825     650    2825   645.3    2900   645.3    3000     660    3125     660
    3600     668    4000     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2775     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2775    3000                1       1       1             .1       .3
```

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	1.00	1.00	1.00
Crit W.S. (ft)		Flow Area (sq ft)	153351.70	24657.61	73503.79
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	153351.70	24657.61	73503.79
Q Total (cfs)	5491.83	Flow (cfs)	3145.00	685.48	1661.35
Top Width (ft)	3425.21	Top Width (ft)	2270.53	225.00	929.68
Vel Total (ft/s)	0.02	Avg. Vel. (ft/s)	0.02	0.03	0.02
Max Chl Dpth (ft)	115.01	Hydr. Depth (ft)	67.54	109.59	79.06
Conv. Total (cfs)	43938300.0	Conv. (cfs)	25162070.0	5484332.0	13291900.0
Length Wtd. (ft)	1.00	Wetted Per. (ft)	2274.88	231.76	942.43
Min Ch El (ft)	645.30	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.03	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	406784.40	23684.49	160080.70
C & E Loss (ft)		Cum SA (acres)	3814.33	157.50	1456.48

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 24749.*

INPUT
Description:
Station Elevation Data num= 17

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	810	250	790	850	720	1000	720	1200	710
1400	700	1500	703	1875	671	2500	660	2775	660
2825	650	2825	645.2	2900	645.2	3000	660	3125	660
3600	668	4000	780						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2775	.15	3000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2775	3000	1	1	1	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB

Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	1.00	1.00	1.00
Crit W.S. (ft)		Flow Area (sq ft)	153351.70	24670.11	73503.79
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	153351.70	24670.11	73503.79
Q Total (cfs)	5491.83	Flow (cfs)	3144.80	685.79	1661.24
Top Width (ft)	3425.21	Top Width (ft)	2270.53	225.00	929.68
Vel Total (ft/s)	0.02	Avg. Vel. (ft/s)	0.02	0.03	0.02
Max Chl Dpth (ft)	115.11	Hydr. Depth (ft)	67.54	109.64	79.06
Conv. Total (cfs)	43941120.0	Conv. (cfs)	25162070.0	5487157.0	13291900.0
Length Wtd. (ft)	1.00	Wetted Per. (ft)	2274.88	231.88	942.43
Min Ch El (ft)	645.20	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.03	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	406780.90	23683.93	160079.00
C & E Loss (ft)		Cum SA (acres)	3814.28	157.50	1456.45

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 24748.*

INPUT
Description:
Station Elevation Data num= 17

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	810	250	790	850	720	1000	720	1200	710
1400	700	1500	703	1875	671	2500	660	2775	660
2825	650	2825	645.1	2900	645.1	3000	660	3125	660
3600	668	4000	780						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2775	.15	3000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2775	3000	1	1	1	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	1.00	1.00	1.00
Crit W.S. (ft)		Flow Area (sq ft)	153351.70	24682.61	

```
73503.79
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            153351.70   24682.61
73503.79
  Q Total (cfs)            5491.83    Flow (cfs)               3144.59     686.10
1661.13
  Top Width (ft)           3425.21    Top Width (ft)           2270.53     225.00
 929.68
  Vel Total (ft/s)            0.02    Avg. Vel. (ft/s)            0.02       0.03
   0.02
  Max Chl Dpth (ft)         115.21    Hydr. Depth (ft)           67.54     109.70
  79.06
  Conv. Total (cfs)       43943950.0    Conv. (cfs)             25162070.0
5489983.0   13291900.0
  Length Wtd. (ft)            1.00    Wetted Per. (ft)         2274.88     231.99
 942.43
  Min Ch El (ft)            645.10    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.03    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    406777.30   23683.36
160077.30
  C & E Loss (ft)                     Cum SA (acres)           3814.22     157.49
1456.43
```

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 24747

INPUT
Description:
Station Elevation Data num= 17

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	810	250	790	850	720	1000	720	1200	710
1400	700	1500	703	1875	671	2500	660	2775	660
2825	650	2825	645	2900	645	3000	660	3125	660
3600	668	4000	780						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2775	.15	3000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2775	3000	24.5	24.5	24.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            24.50      24.50
  24.50
  Crit W.S. (ft)                      Flow Area (sq ft)       153351.70   24695.11
73503.79
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            153351.70   24695.11
73503.79
  Q Total (cfs)            5491.83    Flow (cfs)               3144.39     686.41
1661.03
```

Top Width (ft)	3425.21	Top Width (ft)	2270.53	225.00	929.68
Vel Total (ft/s)	0.02	Avg. Vel. (ft/s)	0.02	0.03	0.02
Max Chl Dpth (ft)	115.31	Hydr. Depth (ft)	67.54	109.76	79.06
Conv. Total (cfs)	43946770.0	Conv. (cfs)	25162070.0	5492805.0	13291900.0
Length Wtd. (ft)	24.50	Wetted Per. (ft)	2274.88	232.11	942.43
Min Ch El (ft)	645.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.03	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	406773.80	23682.79	160075.60
C & E Loss (ft)		Cum SA (acres)	3814.17	157.49	1456.41

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 24722.5*

INPUT
Description:
Station Elevation Data num= 17

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	810	250	790	850	720	1000	720	1200	710
1400	700	1500	703	1875	671	2500	660	2775	660
2825	650	2825	644.83	2900	644.83	3000	660	3125	660
3600	668	4000	780						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2775	.15	3000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2775	3000	24.5	24.5	24.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	24.50	24.50	24.50
Crit W.S. (ft)		Flow Area (sq ft)	153351.70	24716.35	73503.79
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	153351.70	24716.35	73503.79
Q Total (cfs)	5491.76	Flow (cfs)	3144.01	686.93	1660.83
Top Width (ft)	3425.21	Top Width (ft)	2270.53	225.00	929.68
Vel Total (ft/s)	0.02	Avg. Vel. (ft/s)	0.02	0.03	0.02
Max Chl Dpth (ft)	115.48	Hydr. Depth (ft)	67.54	109.85	

```
  79.06
  Conv. Total (cfs)       43951560.0    Conv. (cfs)             25162070.0
5497599.0   13291900.0
  Length Wtd. (ft)           24.50    Wetted Per. (ft)         2274.88     232.30
 942.43
  Min Ch El (ft)            644.83    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.03    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    406687.60   23668.90
160034.30
  C & E Loss (ft)                     Cum SA (acres)           3812.90     157.36
1455.89



CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24698.*

INPUT
Description:
Station Elevation Data    num=      17
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810     250     790     850     720    1000     720    1200     710
    1400     700    1500     703    1875     671    2500     660    2775     660
    2825     650    2825  644.67    2900  644.67    3000     660    3125     660
    3600     668    4000     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2775     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2775    3000              24.5    24.5    24.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            24.50      24.50
  24.50
  Crit W.S. (ft)                      Flow Area (sq ft)       153351.70   24736.36
73503.79
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            153351.70   24736.36
73503.79
  Q Total (cfs)            5491.70    Flow (cfs)               3143.65     687.41
1660.64
  Top Width (ft)           3425.21    Top Width (ft)           2270.53     225.00
 929.68
  Vel Total (ft/s)            0.02    Avg. Vel. (ft/s)            0.02       0.03
   0.02
  Max Chl Dpth (ft)         115.64    Hydr. Depth (ft)           67.54     109.94
  79.06
  Conv. Total (cfs)       43956080.0    Conv. (cfs)             25162070.0
5502110.0   13291900.0
  Length Wtd. (ft)           24.50    Wetted Per. (ft)         2274.88     232.49
 942.43
```

Min Ch El (ft)	644.67	Shear (lb/sq ft)	0.00	0.00	0.00	
Alpha	1.03	Stream Power (lb/ft s)	0.00	0.00	0.00	
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	406601.30	23654.99	159992.90	
C & E Loss (ft)		Cum SA (acres)	3811.62	157.24	1455.37	

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 24673.5*

INPUT
Description:
Station Elevation Data num= 17

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	810	250	790	850	720	1000	720	1200	710
1400	700	1500	703	1875	671	2500	660	2775	660
2825	650	2825	644.5	2900	644.5	3000	660	3125	660
3600	668	4000	780						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2775	.15	3000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2775	3000	24.5	24.5	24.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150	
W.S. Elev (ft)	760.31	Reach Len. (ft)	24.50	24.50	24.50	
Crit W.S. (ft)		Flow Area (sq ft)	153351.70	24757.61	73503.79	
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	153351.70	24757.61	73503.79	
Q Total (cfs)	5491.64	Flow (cfs)	3143.27	687.93	1660.44	
Top Width (ft)	3425.21	Top Width (ft)	2270.53	225.00	929.68	
Vel Total (ft/s)	0.02	Avg. Vel. (ft/s)	0.02	0.03	0.02	
Max Chl Dpth (ft)	115.81	Hydr. Depth (ft)	67.54	110.03	79.06	
Conv. Total (cfs)	43960860.0	Conv. (cfs)	25162070.0	5506897.0	13291900.0	
Length Wtd. (ft)	24.50	Wetted Per. (ft)	2274.88	232.68	942.43	
Min Ch El (ft)	644.50	Shear (lb/sq ft)	0.00	0.00	0.00	
Alpha	1.03	Stream Power (lb/ft s)	0.00	0.00	0.00	
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	406515.10	23641.07		

159951.60
C & E Loss (ft) Cum SA (acres) 3810.34 157.11
1454.84

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 24649.*

INPUT
Description:
Station Elevation Data num= 17

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	810	250	790	850	720	1000	720	1200	710
1400	700	1500	703	1875	671	2500	660	2775	660
2825	650	2825	644.33	2900	644.33	3000	660	3125	660
3600	668	4000	780						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2775	.15	3000	.15

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
2775 3000 24.5 24.5 24.5 .1 .3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft) 760.31 Element Left OB Channel
Right OB
Vel Head (ft) 0.00 Wt. n-Val. 0.150 0.150
0.150
W.S. Elev (ft) 760.31 Reach Len. (ft) 24.50 24.50
24.50
Crit W.S. (ft) Flow Area (sq ft) 153351.70 24778.85
73503.79
E.G. Slope (ft/ft) 0.000000 Area (sq ft) 153351.70 24778.85
73503.79
Q Total (cfs) 5491.58 Flow (cfs) 3142.90 688.44
1660.24
Top Width (ft) 3425.21 Top Width (ft) 2270.53 225.00
929.68
Vel Total (ft/s) 0.02 Avg. Vel. (ft/s) 0.02 0.03
0.02
Max Chl Dpth (ft) 115.98 Hydr. Depth (ft) 67.54 110.13
79.06
Conv. Total (cfs) 43965640.0 Conv. (cfs) 25162070.0
5511679.0 13291900.0
Length Wtd. (ft) 24.50 Wetted Per. (ft) 2274.88 232.88
942.43
Min Ch El (ft) 644.33 Shear (lb/sq ft) 0.00 0.00
0.00
Alpha 1.03 Stream Power (lb/ft s) 0.00 0.00
0.00
Frctn Loss (ft) 0.00 Cum Volume (acre-ft) 406428.80 23627.14
159910.30
C & E Loss (ft) Cum SA (acres) 3809.06 156.98
1454.32

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 24624.5*

INPUT
Description:
Station Elevation Data num= 17

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	810	250	790	850	720	1000	720	1200	710
1400	700	1500	703	1875	671	2500	660	2775	660
2825	650	2825	644.17	2900	644.17	3000	660	3125	660
3600	668	4000	780						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2775	.15	3000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2775	3000	24.5	24.5	24.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	24.50	24.50	24.50
Crit W.S. (ft)		Flow Area (sq ft)	153351.70	24798.86	73503.79
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	153351.70	24798.86	73503.79
Q Total (cfs)	5491.52	Flow (cfs)	3142.54	688.93	1660.05
Top Width (ft)	3425.21	Top Width (ft)	2270.53	225.00	929.68
Vel Total (ft/s)	0.02	Avg. Vel. (ft/s)	0.02	0.03	0.02
Max Chl Dpth (ft)	116.14	Hydr. Depth (ft)	67.54	110.22	79.06
Conv. Total (cfs)	43970140.0	Conv. (cfs)	25162070.0	5516177.0	13291900.0
Length Wtd. (ft)	24.50	Wetted Per. (ft)	2274.88	233.07	942.43
Min Ch El (ft)	644.17	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.03	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	406342.60	23613.20	159868.90
C & E Loss (ft)		Cum SA (acres)	3807.79	156.86	1453.80

CROSS SECTION

RIVER: SQUAW CREEK

REACH: SC RS: 24600

INPUT
Description:
Station Elevation Data num= 17

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	810	250	790	850	720	1000	720	1200	710
1400	700	1500	703	1875	671	2500	660	2775	660
2825	650	2825	644	2900	644	3000	660	3125	660
3600	668	4000	780						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2775	.15	3000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2775	3000	23.77	23.77	23.77	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	23.77	23.77	23.77
Crit W.S. (ft)		Flow Area (sq ft)	153351.70	24820.11	73503.79
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	153351.70	24820.11	73503.79
Q Total (cfs)	5491.46	Flow (cfs)	3142.17	689.44	1659.85
Top Width (ft)	3425.21	Top Width (ft)	2270.53	225.00	929.68
Vel Total (ft/s)	0.02	Avg. Vel. (ft/s)	0.02	0.03	0.02
Max Chl Dpth (ft)	116.31	Hydr. Depth (ft)	67.54	110.31	79.06
Conv. Total (cfs)	43974920.0	Conv. (cfs)	25162070.0	5520951.0	13291900.0
Length Wtd. (ft)	23.77	Wetted Per. (ft)	2274.88	233.26	942.43
Min Ch El (ft)	644.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.03	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	406256.30	23599.25	159827.60
C & E Loss (ft)		Cum SA (acres)	3806.51	156.73	1453.27

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 24576.2*

INPUT
Description:
Station Elevation Data num= 33

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	810	50.42	806.27	249.83	790.67	403.36	773.45	806.71	725.37
849.41	720.51	999.31	719.59	1008.39	719.12	1008.39	718.73	1184.86	710.58
1199.17	710.1	1210.07	709.73	1260.49	707.4	1399.03	701.6	1498.96	704.8
1563.01	700.03	1815.1	680.16	1815.1	679.77	1865.52	675.34	1873.7	674.66
2268.88	666.81	2470.56	660.84	2498.27	660.32	2647.03	660	2773.08	660
2823.08	649.46	2823.08	643.92	2900	643.92	3000	660	3128.85	660.18
3552.2	667.15	3618.46	669.54	4030.77	781.54				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2773.08	.15	3000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2773.08	3000	23.77	23.77	23.77	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	23.77	23.77	23.77
Crit W.S. (ft)		Flow Area (sq ft)	149938.20	25067.07	75088.75
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	149938.20	25067.07	75088.75
Q Total (cfs)	5491.40	Flow (cfs)	3071.94	706.08	1713.39
Top Width (ft)	3439.04	Top Width (ft)	2259.50	226.92	952.62
Vel Total (ft/s)	0.02	Avg. Vel. (ft/s)	0.02	0.03	0.02
Max Chl Dpth (ft)	116.39	Hydr. Depth (ft)	66.36	110.47	78.82
Conv. Total (cfs)	43456610.0	Conv. (cfs)	24310010.0	5587587.0	13559010.0
Length Wtd. (ft)	23.77	Wetted Per. (ft)	2264.43	234.84	964.83
Min Ch El (ft)	643.92	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.04	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	406173.60	23585.63	159787.00
C & E Loss (ft)		Cum SA (acres)	3805.27	156.61	1452.76

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 24552.4*

INPUT
Description:
Station Elevation Data num= 33

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	810	50.38	806.58	249.65	791.34	403.08	774.83	806.15	725.76

```
  848.82  721.02  998.61  719.19 1007.69  718.69 1007.69  717.92 1184.04  710.45
 1198.34   710.2 1209.23     710 1259.62  707.87 1398.06   703.2 1497.92   706.6
 1561.92  702.53 1813.85  684.31 1813.85  683.54 1864.23  678.98  1872.4  678.33
 2267.31  669.57 2468.85  661.18 2496.53  660.65 2645.19     660 2771.15     660
 2821.15  648.92 2821.15  643.85    2900  643.85    3000     660 3132.69  660.36
 3568.68  667.39 3636.92  671.08 4061.54  783.08

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2771.15     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2771.15    3000             23.77   23.77   23.77             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            23.77      23.77
  23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       146537.00   25314.25
76640.39
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            146537.00   25314.25
76640.39
  Q Total (cfs)            5491.34    Flow (cfs)               3001.07     723.09
1767.19
  Top Width (ft)           3452.88    Top Width (ft)           2248.81     228.85
 975.22
  Vel Total (ft/s)            0.02    Avg. Vel. (ft/s)            0.02       0.03
   0.02
  Max Chl Dpth (ft)         116.46    Hydr. Depth (ft)           65.16     110.62
  78.59
  Conv. Total (cfs)       42940510.0    Conv. (cfs)             23467390.0
5654299.0   13818820.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2254.38     236.43
 986.95
  Min Ch El (ft)            643.85    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.04    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    406092.70   23571.89
159745.60
  C & E Loss (ft)                     Cum SA (acres)           3804.04     156.48
1452.23



CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24528.6*

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810   50.35   806.9  249.48  792.01   402.8  776.21  805.59  726.14
  848.23  721.53  997.92  718.78 1006.99  718.27 1006.99  717.11 1183.22  710.32
 1197.51  710.29 1208.39  710.27 1258.74  708.33 1397.09   704.8 1496.88   708.4
```

1560.84	705.02	1812.59	688.46	1812.59	687.31	1862.94	682.61	1871.1	681.99
2265.73	672.34	2467.13	661.53	2494.8	660.97	2643.36	660	2769.23	660
2819.23	648.38	2819.23	643.77	2900	643.77	3000	660	3136.54	660.54
3585.16	667.63	3655.38	672.62	4092.31	784.62				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2769.23	.15	3000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2769.23	3000	23.77	23.77	23.77	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	23.77	23.77	23.77
Crit W.S. (ft)		Flow Area (sq ft)	143155.70	25561.80	78161.35
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	143155.70	25561.80	78161.35
Q Total (cfs)	5491.28	Flow (cfs)	2929.59	740.44	1821.26
Top Width (ft)	3466.78	Top Width (ft)	2238.53	230.77	997.48
Vel Total (ft/s)	0.02	Avg. Vel. (ft/s)	0.02	0.03	0.02
Max Chl Dpth (ft)	116.54	Hydr. Depth (ft)	63.95	110.77	78.36
Conv. Total (cfs)	42429160.0	Conv. (cfs)	22635880.0	5721099.0	14072190.0
Length Wtd. (ft)	23.77	Wetted Per. (ft)	2244.82	238.02	1008.77
Min Ch El (ft)	643.77	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.04	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	406013.60	23558.01	159703.40
C & E Loss (ft)		Cum SA (acres)	3802.82	156.36	1451.70

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 24504.9*

INPUT
Description:
Station Elevation Data num= 33

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	810	50.31	807.21	249.31	792.68	402.52	777.59	805.03	726.53
847.64	722.03	997.23	718.38	1006.29	717.84	1006.29	716.3	1182.4	710.19
1196.67	710.39	1207.55	710.55	1257.87	708.8	1396.12	706.4	1495.84	710.2
1559.76	707.52	1811.33	692.62	1811.33	691.08	1861.64	686.25	1869.8	685.65
2264.16	675.1	2465.42	661.88	2493.07	661.3	2641.52	660	2767.31	660

```
 2817.31  647.85 2817.31  643.69    2900  643.69    3000     660 3140.38  660.72
 3601.65  667.87 3673.85  674.15 4123.08  786.15

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2767.31     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2767.31    3000            23.77   23.77   23.77             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             23.77      23.77
  23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       139783.70   25809.42
79656.76
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            139783.70   25809.42
79656.76
  Q Total (cfs)            5491.22    Flow (cfs)                2857.32     758.13
1875.78
  Top Width (ft)           3480.72    Top Width (ft)            2228.58     232.69
1019.44
  Vel Total (ft/s)            0.02    Avg. Vel. (ft/s)             0.02       0.03
   0.02
  Max Chl Dpth (ft)         116.62    Hydr. Depth (ft)            62.72     110.92
  78.14
  Conv. Total (cfs)       41921650.0    Conv. (cfs)             21813600.0
5787771.0   14320280.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)          2235.66     239.63
1030.35
  Min Ch El (ft)            643.69    Shear (lb/sq ft)             0.00       0.00
   0.00
  Alpha                       1.05    Stream Power (lb/ft s)       0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    405936.40   23543.99
159660.30
  C & E Loss (ft)                     Cum SA (acres)            3801.60     156.23
1451.15



CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24481.1*

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810   50.28  807.52  249.13  793.35  402.24  778.97  804.48  726.91
  847.05  722.54  996.53  717.97 1005.59  717.41 1005.59  715.49 1181.57  710.06
 1195.84  710.49 1206.71  710.82 1256.99  709.27 1395.15  707.99  1494.8     712
 1558.67  710.02 1810.07  696.77 1810.07  694.85 1860.35  689.89  1868.5  689.31
 2262.59  677.87 2463.71  662.22 2491.34  661.62 2639.69     660 2765.38     660
 2815.38  647.31 2815.38  643.62    2900  643.62    3000     660 3144.23   660.9
 3618.13   668.1 3692.31  675.69 4153.85  787.69
```

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2765.38	.15	3000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2765.38	3000	23.77	23.77	23.77	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	23.77	23.77	23.77
Crit W.S. (ft)		Flow Area (sq ft)	136427.40	26057.44	81121.37
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	136427.40	26057.44	81121.37
Q Total (cfs)	5491.17	Flow (cfs)	2784.39	776.18	1930.59
Top Width (ft)	3494.62	Top Width (ft)	2218.98	234.62	1041.03
Vel Total (ft/s)	0.02	Avg. Vel. (ft/s)	0.02	0.03	0.02
Max Chl Dpth (ft)	116.69	Hydr. Depth (ft)	61.48	111.06	77.92
Conv. Total (cfs)	41419510.0	Conv. (cfs)	21002470.0	5854706.0	14562340.0
Length Wtd. (ft)	23.77	Wetted Per. (ft)	2226.92	241.23	1051.59
Min Ch El (ft)	643.62	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.05	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	405861.10	23529.84	159616.50
C & E Loss (ft)		Cum SA (acres)	3800.39	156.10	1450.58

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 24457.3*

INPUT
Description:
Station Elevation Data num= 33

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	810	50.24	807.83	248.96	794.02	401.96	780.35	803.92	727.3
846.47	723.05	995.84	717.56	1004.9	716.99	1004.9	714.68	1180.75	709.92
1195.01	710.59	1205.87	711.09	1256.12	709.73	1394.18	709.59	1493.76	713.8
1557.59	712.52	1808.81	700.93	1808.81	698.62	1859.06	693.53	1867.2	692.98
2261.01	680.64	2461.99	662.57	2489.6	661.95	2637.85	660	2763.46	660
2813.46	646.77	2813.46	643.54	2900	643.54	3000	660	3148.08	661.08
3634.62	668.34	3710.77	677.23	4184.62	789.23				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2763.46	.15	3000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2763.46	3000	23.77	23.77	23.77	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	23.77	23.77	23.77
Crit W.S. (ft)		Flow Area (sq ft)	133078.30	26305.91	82554.98
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	133078.30	26305.91	82554.98
Q Total (cfs)	5491.11	Flow (cfs)	2710.73	794.64	1985.74
Top Width (ft)	3508.48	Top Width (ft)	2209.67	236.54	1062.27
Vel Total (ft/s)	0.02	Avg. Vel. (ft/s)	0.02	0.03	0.02
Max Chl Dpth (ft)	116.77	Hydr. Depth (ft)	60.23	111.21	77.72
Conv. Total (cfs)	40920490.0	Conv. (cfs)	20200760.0	5921752.0	14797980.0
Length Wtd. (ft)	23.77	Wetted Per. (ft)	2218.57	242.84	1072.53
Min Ch El (ft)	643.54	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.06	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	405787.50	23515.55	159571.80
C & E Loss (ft)		Cum SA (acres)	3799.18	155.97	1450.01

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 24433.6*

INPUT
Description:
Station Elevation Data num= 33

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	810	50.21	808.14	248.79	794.68	401.68	781.73	803.36	727.69
845.88	723.56	995.15	717.16	1004.2	716.56	1004.2	713.87	1179.93	709.79
1194.18	710.68	1205.03	711.36	1255.24	710.2	1393.21	711.19	1492.72	715.6
1556.5	715.01	1807.55	705.08	1807.55	702.39	1857.76	697.17	1865.9	696.64
2259.44	683.4	2460.28	662.92	2487.87	662.27	2636.01	660	2761.54	660
2811.54	646.23	2811.54	643.46	2900	643.46	3000	660	3151.92	661.26
3651.1	668.58	3729.23	678.77	4215.38	790.77				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2761.54	.15	3000	.15

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2761.54    3000            23.77   23.77   23.77             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             23.77      23.77
  23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       129747.60   26554.67
83960.57
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            129747.60   26554.67
83960.57
  Q Total (cfs)            5491.05    Flow (cfs)                2636.52     813.41
2041.12
  Top Width (ft)           3522.29    Top Width (ft)            2200.66     238.46
1083.17
  Vel Total (ft/s)            0.02    Avg. Vel. (ft/s)             0.02       0.03
   0.02
  Max Chl Dpth (ft)         116.85    Hydr. Depth (ft)             58.96     111.36
  77.51
  Conv. Total (cfs)       40428900.0    Conv. (cfs)             19411850.0
5988877.0   15028170.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)          2210.57     244.45
1093.16
  Min Ch El (ft)            643.46    Shear (lb/sq ft)             0.00       0.00
   0.00
  Alpha                       1.07    Stream Power (lb/ft s)       0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    405715.80   23501.13
159526.40
  C & E Loss (ft)                     Cum SA (acres)            3797.98     155.84
1449.42



CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24409.8*

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810   50.17  808.45  248.61  795.35   401.4  783.11   802.8  728.07
  845.29  724.07  994.46  716.75  1003.5  716.13  1003.5  713.06 1179.11  709.66
 1193.35  710.78  1204.2  711.64 1254.37  710.67 1392.24  712.79 1491.68   717.4
 1555.42  717.51 1806.29  709.23 1806.29  706.16 1856.47  700.81  1864.6   700.3
 2257.87  686.17 2458.57  663.26 2486.14  662.59 2634.18     660 2759.62     660
 2809.62  645.69 2809.62  643.38    2900  643.38    3000     660 3155.77  661.44
 3667.58  668.81 3747.69  680.31 4246.15  792.31

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2759.62     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
```

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       2759.62    3000            23.77   23.77   23.77             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            23.77      23.77
  23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       126427.30   26803.75
85342.66
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            126427.30   26803.75
85342.66
  Q Total (cfs)            5490.99    Flow (cfs)               2561.54     832.51
2096.94
  Top Width (ft)           3536.07    Top Width (ft)           2191.95     240.38
1103.74
  Vel Total (ft/s)            0.02    Avg. Vel. (ft/s)            0.02       0.03
   0.02
  Max Chl Dpth (ft)         116.93    Hydr. Depth (ft)           57.68     111.51
  77.32
  Conv. Total (cfs)       39944050.0    Conv. (cfs)             18633820.0
6056083.0   15254150.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2202.95     246.07
1113.50
  Min Ch El (ft)            643.38    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.07    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    405645.90   23486.57
159480.20
  C & E Loss (ft)                     Cum SA (acres)           3796.78     155.71
1448.83



CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 24386.0*

INPUT
Description:
Station Elevation Data    num=      33
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     810   50.14  808.76  248.44  796.02  401.12  784.48  802.24  728.46
   844.7  724.58  993.76  716.35  1002.8  715.71  1002.8  712.24 1178.29  709.53
 1192.52  710.88 1203.36  711.91  1253.5  711.13 1391.27  714.39 1490.64   719.2
 1554.34  720.01 1805.03  713.39 1805.03  709.92 1855.17  704.45 1863.31  703.96
 2256.29  688.94 2456.85  663.61 2484.41  662.92 2632.34     660 2757.69     660
 2807.69  645.15 2807.69  643.31    2900  643.31    3000     660 3159.62  661.62
 3684.07  669.05 3766.15  681.85 4276.92  793.85

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2757.69     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2757.69    3000            23.77   23.77   23.77             .1       .3
```

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	23.77	23.77	23.77
Crit W.S. (ft)		Flow Area (sq ft)	123114.70	27052.91	86695.92
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	123114.70	27052.91	86695.92
Q Total (cfs)	5490.93	Flow (cfs)	2485.88	851.98	2153.07
Top Width (ft)	3549.80	Top Width (ft)	2183.52	242.31	1123.97
Vel Total (ft/s)	0.02	Avg. Vel. (ft/s)	0.02	0.03	0.02
Max Chl Dpth (ft)	117.00	Hydr. Depth (ft)	56.38	111.65	77.13
Conv. Total (cfs)	39464110.0	Conv. (cfs)	17866380.0	6123307.0	15474430.0
Length Wtd. (ft)	23.77	Wetted Per. (ft)	2195.71	247.69	1133.52
Min Ch El (ft)	643.31	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.08	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	405577.80	23471.88	159433.30
C & E Loss (ft)		Cum SA (acres)	3795.58	155.58	1448.22

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 24362.3*

INPUT
Description:
Station Elevation Data num= 33

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	810	50.1	809.07	248.27	796.69	400.84	785.86	801.68	728.84
844.11	725.09	993.07	715.94	1002.1	715.28	1002.1	711.43	1177.46	709.4
1191.68	710.98	1202.52	712.18	1252.62	711.6	1390.3	715.99	1489.6	721
1553.25	722.51	1803.78	717.54	1803.78	713.69	1853.88	708.08	1862.01	707.63
2254.72	691.7	2455.14	663.96	2482.68	663.24	2630.51	660	2755.77	660
2805.77	644.62	2805.77	643.23	2900	643.23	3000	660	3163.46	661.79
3700.55	669.29	3784.62	683.38	4307.69	795.38				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2755.77	.15	3000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2755.77	3000	23.77	23.77	23.77	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	23.77	23.77	23.77
Crit W.S. (ft)		Flow Area (sq ft)	119817.00	27302.34	88031.85
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	119817.00	27302.34	88031.85
Q Total (cfs)	5490.87	Flow (cfs)	2409.57	871.69	2209.61
Top Width (ft)	3563.47	Top Width (ft)	2175.33	244.23	1143.91
Vel Total (ft/s)	0.02	Avg. Vel. (ft/s)	0.02	0.03	0.03
Max Chl Dpth (ft)	117.08	Hydr. Depth (ft)	55.08	111.79	76.96
Conv. Total (cfs)	38994490.0	Conv. (cfs)	17112050.0	6190453.0	15691990.0
Length Wtd. (ft)	23.77	Wetted Per. (ft)	2188.76	249.33	1153.29
Min Ch El (ft)	643.23	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.09	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	405511.50	23457.05	159385.60
C & E Loss (ft)		Cum SA (acres)	3794.39	155.45	1447.60

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 24338.5*

INPUT
Description:
Station Elevation Data num= 33

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	810	50.07	809.38	248.09	797.36	400.56	787.24	801.12	729.23
843.52	725.6	992.38	715.53	1001.4	714.85	1001.4	710.62	1176.64	709.26
1190.85	711.07	1201.68	712.45	1251.75	712.07	1389.33	717.59	1488.57	722.8
1552.17	725	1802.52	721.69	1802.52	717.46	1852.59	711.72	1860.71	711.29
2253.15	694.47	2453.43	664.31	2480.94	663.57	2628.67	660	2753.85	660
2803.85	644.08	2803.85	643.15	2900	643.15	3000	660	3167.31	661.97
3717.03	669.53	3803.08	684.92	4338.46	796.92				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2753.85	.15	3000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2753.85	3000	23.77	23.77	23.77	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	

Right OB					
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	23.77	23.77	23.77
Crit W.S. (ft)		Flow Area (sq ft)	116528.70	27552.31	89335.34
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	116528.70	27552.31	89335.34
Q Total (cfs)	5490.81	Flow (cfs)	2332.76	891.77	2266.28
Top Width (ft)	3576.96	Top Width (ft)	2167.35	246.15	1163.47
Vel Total (ft/s)	0.02	Avg. Vel. (ft/s)	0.02	0.03	0.03
Max Chl Dpth (ft)	117.16	Hydr. Depth (ft)	53.77	111.93	76.78
Conv. Total (cfs)	38530920.0	Conv. (cfs)	16369790.0	6257886.0	15903250.0
Length Wtd. (ft)	23.77	Wetted Per. (ft)	2182.10	250.96	1172.70
Min Ch El (ft)	643.15	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.10	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	405447.00	23442.08	159337.20
C & E Loss (ft)		Cum SA (acres)	3793.21	155.31	1446.97

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 24314.7*

INPUT
Description:
Station Elevation Data num= 33

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	810	50.03	809.69	247.92	798.03	400.28	788.62	800.56	729.61
842.93	726.1	991.68	715.13	1000.7	714.43	1000.7	709.81	1175.82	709.13
1190.02	711.17	1200.84	712.73	1250.87	712.53	1388.36	719.19	1487.53	724.6
1551.08	727.5	1801.26	725.85	1801.26	721.23	1851.29	715.36	1859.41	714.95
2251.57	697.23	2451.71	664.65	2479.21	663.89	2626.84	660	2751.92	660
2801.92	643.54	2801.92	643.08	2900	643.08	3000	660	3171.15	662.15
3733.52	669.76	3821.54	686.46	4369.23	798.46				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2751.92	.15	3000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2751.92	3000	23.77	23.77	23.77	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	

```
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            23.77      23.77
  23.77
  Crit W.S. (ft)                      Flow Area (sq ft)       113253.80   27802.32
90618.42
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            113253.80   27802.32
90618.42
  Q Total (cfs)            5490.76    Flow (cfs)               2255.37     912.12
2323.27
  Top Width (ft)           3590.38    Top Width (ft)           2159.62     248.08
1182.68
  Vel Total (ft/s)            0.02    Avg. Vel. (ft/s)            0.02       0.03
   0.03
  Max Chl Dpth (ft)         117.23    Hydr. Depth (ft)           52.44     112.07
  76.62
  Conv. Total (cfs)       38077100.0    Conv. (cfs)             15640450.0
6325316.0   16111340.0
  Length Wtd. (ft)           23.77    Wetted Per. (ft)         2175.77     252.60
1191.79
  Min Ch El (ft)            643.08    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.10    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    405384.30   23426.98
159288.10
  C & E Loss (ft)                     Cum SA (acres)           3792.03     155.18
1446.33
```

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 24291

INPUT
Description:
Station Elevation Data num= 22

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	810	50	810	400	790	800	730	1000	714
1000	709	1175	709	1200	713	1250	713	1550	730
1800	730	1800	725	1850	719	2250	700	2450	665
2625	660	2750	660	2800	643	2900	643	3000	660
3750	670	4400	800						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2750	.15	3000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2750	3000	385	385	385	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)           385.00     385.00
 385.00
  Crit W.S. (ft)                      Flow Area (sq ft)       109982.70   28052.90
```

E.G. Slope (ft/ft)	0.000000	Area (sq ft)	109982.70	28052.90	91874.14
Q Total (cfs)	5490.70	Flow (cfs)	2177.42	932.81	2380.47
Top Width (ft)	3603.64	Top Width (ft)	2152.08	250.00	1201.56
Vel Total (ft/s)	0.02	Avg. Vel. (ft/s)	0.02	0.03	0.03
Max Chl Dpth (ft)	117.31	Hydr. Depth (ft)	51.11	112.21	76.46
Conv. Total (cfs)	37629760.0	Conv. (cfs)	14922630.0	6392897.0	16314240.0
Length Wtd. (ft)	385.00	Wetted Per. (ft)	2169.70	254.25	1210.57
Min Ch El (ft)	643.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.11	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	405323.40	23411.74	159238.30
C & E Loss (ft)		Cum SA (acres)	3790.85	155.04	1445.68

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 23906

INPUT
Description:
Station Elevation Data num= 23

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	801	200	790	500	737	700	720	990	706
1000	700	1200	700	1550	719	1625	720	1700	722
1800	722	2000	710	2225	690	2400	660	2575	642
2650	642	2700	660	2900	660	3200	669	3500	671
3625	671	3750	678	4400	800				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2400	.15	2700	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2400	2700	112.67	112.67	112.67	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	112.67	112.67	112.67
Crit W.S. (ft)		Flow Area (sq ft)	99242.52	33468.48	115838.30
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	99242.52	33468.48	115838.30
Q Total (cfs)	5489.76	Flow (cfs)	1730.27	1006.01	

```
2753.48
  Top Width (ft)           3820.50    Top Width (ft)           2031.95     300.00
1488.55
  Vel Total (ft/s)            0.02    Avg. Vel. (ft/s)            0.02       0.03
   0.02
  Max Chl Dpth (ft)         118.31    Hydr. Depth (ft)           48.84     111.56
  77.82
  Conv. Total (cfs)       41553070.0    Conv. (cfs)             13096710.0
7614708.0   20841650.0
  Length Wtd. (ft)          112.67    Wetted Per. (ft)         2041.07     304.06
1496.54
  Min Ch El (ft)            642.00    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.12    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    404398.80   23139.86
158320.40
  C & E Loss (ft)                     Cum SA (acres)           3772.36     152.61
1433.79
```

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 23793.3*

INPUT
Description:
Station Elevation Data num= 42

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	801	202.78	791.12	292	779.64	389.33	768.33	506.94	746.61
535.33	743.08	709.72	731.14	827.33	725.93	973.33	710.97	1003.75	709.06
1013.89	704.75	1168	700	1216.67	697	1216.67	696.33	1557.33	708.49
1571.53	709.27	1647.57	711.37	1723.61	714.13	1752	714.67	1825	715.17
1849.33	714.37	1946.67	709.2	1995.33	708.61	2027.78	707.16	2238.67	693.67
2255.9	692.43	2336	682.3	2433.33	661.67	2575	641.67	2641.67	641.67
2680.56	653	2700	660	2907.84	660	3164.91	664.95	3219.61	666.98
3350.88	669.89	3531.37	670.67	3661.27	670.67	3722.81	672.88	3791.18	676.56
3908.77	692.83	4466.67	800.67						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2433.33	.15	2700	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2433.33	2700	112.67	112.67	112.67	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)           112.67     112.67
 112.67
  Crit W.S. (ft)                      Flow Area (sq ft)       99605.77   29712.84
123086.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            99605.77   29712.84
123086.70
  Q Total (cfs)            5489.50    Flow (cfs)               1722.64     872.39
```

```
2894.46
  Top Width (ft)           3825.13    Top Width (ft)           2000.58     266.67
1557.88
  Vel Total (ft/s)            0.02    Avg. Vel. (ft/s)            0.02       0.03
   0.02
  Max Chl Dpth (ft)         118.64    Hydr. Depth (ft)           49.79     111.42
  79.01
  Conv. Total (cfs)       42436920.0    Conv. (cfs)             13316970.0
6744099.0   22375850.0
  Length Wtd. (ft)          112.67    Wetted Per. (ft)         2008.90     270.91
1565.72
  Min Ch El (ft)            641.67    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.10    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    404141.70   23058.15
158011.40
  C & E Loss (ft)                     Cum SA (acres)           3767.15     151.88
1429.85



CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 23680.6*

INPUT
Description:
Station Elevation Data    num=      42
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     801  205.56  792.24     296  784.82  394.67  779.16  513.89  756.22
  542.67  751.54  719.44  742.29  838.67  737.47  986.67  714.48  1017.5  712.12
 1027.78   709.5    1184     700 1233.33     694 1233.33  692.67 1578.67  698.75
 1593.06  699.53 1670.14  702.73 1747.22  706.26    1776  707.33    1850  708.33
 1874.67  708.19 1973.33   703.6 2022.67  705.31 2055.56  704.31 2269.33  695.84
 2286.81  694.86    2368  688.15 2466.67  663.33    2575  641.33 2633.33  641.33
 2677.78     652    2700     660 2915.69     660 3182.46  662.47 3239.22  664.96
 3375.44  669.95 3562.75  670.33 3697.55  670.33  3761.4  671.44 3832.35  675.12
 3954.39  686.41 4533.33  801.33

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2466.67     .15    2700     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2466.67    2700           112.67  112.67  112.67             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)           112.67     112.67
 112.67
  Crit W.S. (ft)                      Flow Area (sq ft)       100531.10   26007.24
130567.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            100531.10   26007.24
130567.60
  Q Total (cfs)            5489.24    Flow (cfs)               1720.70     742.43
```

3026.11					
Top Width (ft)	3834.06	Top Width (ft)	1974.04	233.33	1626.69
Vel Total (ft/s)	0.02	Avg. Vel. (ft/s)	0.02	0.03	0.02
Max Chl Dpth (ft)	118.98	Hydr. Depth (ft)	50.93	111.46	80.27
Conv. Total (cfs)	43513520.0	Conv. (cfs)	13640070.0	5885266.0	23988190.0
Length Wtd. (ft)	112.67	Wetted Per. (ft)	1983.27	238.20	1634.74
Min Ch El (ft)	641.33	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.09	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	403882.80	22986.09	157683.30
C & E Loss (ft)		Cum SA (acres)	3762.01	151.23	1425.73

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 23568

INPUT
Description:
Station Elevation Data num= 26

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	801	300	790	400	790	550	760	850	749
1000	718	1200	700	1250	691	1250	689	1600	689
1800	700	1900	702	2000	698	2050	702	2300	698
2400	694	2500	665	2575	641	2625	641	2675	651
2700	660	3200	660	3400	670	3800	670	4000	680
4600	802								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2500	.15	2700	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2500	2700	131	131	131	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	131.00	131.00	131.00
Crit W.S. (ft)		Flow Area (sq ft)	101957.80	22349.82	138265.60
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	101957.80	22349.82	138265.60
Q Total (cfs)	5489.00	Flow (cfs)	1723.80	616.93	3148.27
Top Width (ft)	3846.53	Top Width (ft)	1951.56	200.00	1694.98

Vel Total (ft/s)	0.02	Avg. Vel. (ft/s)	0.02	0.03	0.02
Max Chl Dpth (ft)	119.31	Hydr. Depth (ft)	52.24	111.75	81.57
Conv. Total (cfs)	44765530.0	Conv. (cfs)	14058450.0	5031346.0	25675740.0
Length Wtd. (ft)	131.00	Wetted Per. (ft)	1963.37	206.31	1703.56
Min Ch El (ft)	641.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.08	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	403621.00	22923.55	157335.70
C & E Loss (ft)		Cum SA (acres)	3756.93	150.67	1421.44

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 23437.*

INPUT
Description:
Station Elevation Data num= 43

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	795.75	282	781.09	376	778.95	517	753.24	799	738.58
940	712.12	989.47	707.45	1128	696.7	1175	689.68	1175	688.18
1422.37	686.75	1504	686.75	1546.05	688.6	1607.89	688.81	1692	691.57
1786	692.02	1855.26	689.04	1880	688.4	1927	691.68	2102.63	690.51
2162	689.35	2256	685.72	2288.16	678.06	2350	661.5	2418.75	640.75
2481.25	640.75	2527.08	649.42	2550	656.75	2599.78	658	2674.46	658
2674.46	657.5	2798.91	657.5	2823.8	658.25	3303.29	661.3	3570.54	669.65
3604.61	670.84	4068.37	675.5	4207.24	677.51	4508.55	689.36	5088.91	756.5
5188.48	769.32	5337.83	786.44	5412.5	795.75				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2350	.15	2550	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2350	2550	131	131	131	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	131.00	131.00	131.00
Crit W.S. (ft)		Flow Area (sq ft)	107899.20	22717.65	201695.20
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	107899.20	22717.65	201695.20
Q Total (cfs)	5488.69	Flow (cfs)	1512.66	494.05	3481.98
Top Width (ft)	4640.30	Top Width (ft)	1871.78	200.00	2568.51

Vel Total (ft/s)	0.02	Avg. Vel. (ft/s)	0.01	0.02	0.02
Max Chl Dpth (ft)	119.56	Hydr. Depth (ft)	57.65	113.59	78.53
Conv. Total (cfs)	57678340.0	Conv. (cfs)	15895930.0	5191736.0	36590680.0
Length Wtd. (ft)	131.00	Wetted Per. (ft)	1881.36	205.02	2573.59
Min Ch El (ft)	640.75	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.05	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	403305.40	22855.78	156824.50
C & E Loss (ft)		Cum SA (acres)	3751.18	150.07	1415.03

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 23306.*

INPUT
Description:
Station Elevation Data num= 43

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	790.5	264	772.17	352	767.9	484	746.49	748	728.16
880	706.25	926.32	701.63	1056	693.4	1100	688.36	1100	687.36
1331.58	684.5	1408	684.5	1447.37	685.73	1505.26	682.54	1584	683.13
1672	682.04	1736.84	679.03	1760	678.8	1804	681.37	1968.42	682.01
2024	680.7	2112	677.43	2142.11	672.04	2200	658	2262.5	640.5
2337.5	640.5	2379.17	647.83	2400	653.5	2466.52	656	2566.3	656
2566.3	655	2732.61	655	2765.87	656.5	3406.58	662.6	3763.7	670.43
3809.21	671.68	4428.91	681	4614.47	685.01	5017.11	698.72	5792.61	754.66
5925.65	766.88	6125.22	780.96	6225	789.5				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2200	.15	2400	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2200	2400	131	131	131	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	131.00	131.00	131.00
Crit W.S. (ft)		Flow Area (sq ft)	112632.70	23050.98	260728.90
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	112632.70	23050.98	260728.90
Q Total (cfs)	5488.33	Flow (cfs)	1394.84	425.01	3668.48
Top Width (ft)	5455.35	Top Width (ft)	1801.22	200.00	3454.14

Vel Total (ft/s)	0.01	Avg. Vel. (ft/s)	0.01	0.02	0.01
Max Chl Dpth (ft)	119.81	Hydr. Depth (ft)	62.53	115.25	75.48
Conv. Total (cfs)	68964420.0	Conv. (cfs)	17527050.0	5340495.0	46096870.0
Length Wtd. (ft)	131.00	Wetted Per. (ft)	1809.06	203.80	3457.97
Min Ch El (ft)	640.50	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.03	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	402973.80	22786.96	156129.10
C & E Loss (ft)		Cum SA (acres)	3745.66	149.47	1405.97

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 23175.*

INPUT
Description:
Station Elevation Data num= 43

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	785.25	246	763.26	328	756.85	451	739.73	697	717.74
820	700.38	863.16	695.82	984	690.1	1025	687.04	1025	686.54
1240.79	682.25	1312	682.25	1348.68	682.87	1402.63	676.27	1476	674.7
1558	672.06	1618.42	669.01	1640	669.2	1681	671.05	1834.21	673.5
1886	672.05	1968	669.15	1996.05	666.02	2050	654.5	2106.25	640.25
2193.75	640.25	2231.25	646.25	2250	650.25	2333.26	654	2458.15	654
2458.15	652.5	2666.3	652.5	2707.93	654.75	3509.87	663.9	3956.85	671.22
4013.82	672.53	4789.46	686.5	5021.71	692.52	5525.66	708.09	6496.3	752.83
6662.83	764.44	6912.61	775.48	7037.5	783.25				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2050	.15	2250	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2050	2250	131	131	131	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	131.00	131.00	131.00
Crit W.S. (ft)		Flow Area (sq ft)	116360.10	23349.04	315378.30
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	116360.10	23349.04	315378.30
Q Total (cfs)	5487.90	Flow (cfs)	1311.29	382.88	3793.74
Top Width (ft)	6319.90	Top Width (ft)	1766.28	200.00	4353.61

Vel Total (ft/s)	0.01	Avg. Vel. (ft/s)	0.01	0.02	0.01
Max Chl Dpth (ft)	120.06	Hydr. Depth (ft)	65.88	116.75	72.44
Conv. Total (cfs)	78492760.0	Conv. (cfs)	18755150.0	5476262.0	54261350.0
Length Wtd. (ft)	131.00	Wetted Per. (ft)	1772.90	202.68	4357.12
Min Ch El (ft)	640.25	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.03	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	402629.50	22717.19	155262.90
C & E Loss (ft)		Cum SA (acres)	3740.29	148.87	1394.23

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 23044

INPUT
Description:
Station Elevation Data num= 23

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	780	800	690	1150	680	1250	680	1300	670
1500	659	1700	665	1850	660	1900	651	1950	640
2050	640	2100	647	2200	652	2350	652	2350	650
2600	650	2650	653	4150	672	5150	692	7200	751
7400	762	7700	770	7850	777				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1900	.15	2100	.15

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
1900 2100 46.31 46.31 46.31 .1 .3
Ineffective Flow num= 1

Sta L	Sta R	Elev	Permanent
3900	7850	780	F

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	46.31	46.31	46.31
Crit W.S. (ft)		Flow Area (sq ft)	119364.80	23612.32	184590.00
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	119364.80	23612.32	365727.30
Q Total (cfs)	5487.35	Flow (cfs)	1665.39	468.92	3353.04
Top Width (ft)	7194.29	Top Width (ft)	1724.99	200.00	5269.30
Vel Total (ft/s)	0.02	Avg. Vel. (ft/s)	0.01	0.02	

```
   0.02
  Max Chl Dpth (ft)         120.31    Hydr. Depth (ft)           69.20     118.06
 102.55
  Conv. Total (cfs)       65507020.0    Conv. (cfs)             19881170.0
5597855.0   40028000.0
  Length Wtd. (ft)           46.31    Wetted Per. (ft)         1731.35     201.68
1802.32
  Min Ch El (ft)            640.00    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.05    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    402275.00   22646.58
154238.70
  C & E Loss (ft)                     Cum SA (acres)           3735.04     148.27
1379.76



CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22997.6*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  393.36   735.8  546.33  718.56  677.45  704.34  786.71  693.13
  809.72  690.87  961.54  687.58 1048.95   685.3 1163.97   681.3 1223.78  680.77
 1265.18  679.93 1311.19  670.61 1315.79  669.74  1398.6  665.08 1518.22  659.02
 1573.43  660.51 1720.65  664.25 1872.47  659.33 1923.08  650.92 1973.08  639.92
 2072.31  639.92 2123.08  647.23 2218.06  651.89 2360.54  651.96 2360.54  650.11
 2597.99  650.22 2645.48  653.01 3761.54  667.28 4070.23  671.21 4307.69  675.92
 4853.85  687.08 5020.07  691.24 6492.31  740.72 6967.22  754.33 7157.19  764.62
 7442.14  772.21 7584.62  778.77

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1923.08     .15 2123.08     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1923.08 2123.08            46.31   46.31   46.31             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            46.31      46.31
  46.31
  Crit W.S. (ft)                      Flow Area (sq ft)       120631.70   23617.77
344320.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            120631.70   23617.77
344320.60
  Q Total (cfs)            5487.16    Flow (cfs)               1321.60     368.90
3796.66
  Top Width (ft)           6902.43    Top Width (ft)           1747.86     200.00
4954.57
  Vel Total (ft/s)            0.01    Avg. Vel. (ft/s)            0.01       0.02
   0.01
```

Max Chl Dpth (ft)	120.39	Hydr. Depth (ft)	69.02	118.09	69.50
Conv. Total (cfs)	83286790.0	Conv. (cfs)	20059920.0	5599341.0	57627530.0
Length Wtd. (ft)	46.31	Wetted Per. (ft)	1753.94	201.72	4958.13
Min Ch El (ft)	639.92	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.03	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	402147.40	22621.47	153861.30
C & E Loss (ft)		Cum SA (acres)	3733.20	148.06	1374.33

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 22951.3*

INPUT
Description:
Station Elevation Data num= 37

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	780	398.08	735.31	552.88	717.85	685.58	703.98	796.15	693.7
819.43	691.74	973.08	689.45	1061.54	687.36	1177.94	682.59	1238.46	681.54
1280.36	679.86	1326.92	670.31	1331.58	669.48	1415.38	664.65	1536.44	659.05
1592.31	660.38	1741.3	663.49	1894.94	658.66	1946.15	650.85	1996.15	639.85
2094.62	639.85	2146.15	647.46	2236.12	651.78	2371.07	651.92	2371.07	650.22
2595.99	650.45	2640.97	653.03	3698.08	666.67	3990.47	670.41	4215.38	674.85
4732.69	685.65	4890.13	690.49	6284.62	744.82	6734.45	757.67	6914.38	767.24
7184.28	774.41	7319.23	780.54						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1946.15	.15	2146.15	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1946.15	2146.15	46.31	46.31	46.31	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	46.31	46.31	46.31
Crit W.S. (ft)		Flow Area (sq ft)	121897.20	23621.24	323386.40
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	121897.20	23621.24	323386.40
Q Total (cfs)	5486.97	Flow (cfs)	1386.66	383.71	3716.60
Top Width (ft)	6608.74	Top Width (ft)	1770.77	200.00	4637.97
Vel Total (ft/s)	0.01	Avg. Vel. (ft/s)	0.01	0.02	0.01
Max Chl Dpth (ft)	120.46	Hydr. Depth (ft)	68.84	118.11	

```
  69.73
  Conv. Total (cfs)       80079570.0    Conv. (cfs)             20237630.0
5600062.0   54241870.0
  Length Wtd. (ft)           46.31    Wetted Per. (ft)         1776.65     201.75
4641.50
  Min Ch El (ft)            639.85    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.03    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    402018.50   22596.36
153506.30
  C & E Loss (ft)                     Cum SA (acres)           3731.33     147.84
1369.23



CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22905.0*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780   402.8  734.83  559.44  717.14  693.71  703.62  805.59  694.27
  829.15  692.61  984.62  691.32 1074.13  689.42  1191.9  683.89 1253.15  682.31
 1295.55  679.79 1342.66  670.01 1347.37  669.22 1432.17  664.23 1554.66  659.07
 1611.19  660.26 1761.94  662.74 1917.41  657.99 1969.23  650.77 2019.23  639.77
 2116.92  639.77 2169.23  647.69 2254.18  651.67 2381.61  651.87 2381.61  650.33
 2593.98  650.67 2636.45  653.04 3634.62  666.06  3910.7  669.62 4123.08  673.77
 4611.54  684.23  4760.2  689.73 6076.92  748.93 6501.67     761 6671.57  769.87
 6926.42  776.62 7053.85  782.31

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 1969.23     .15 2169.23     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       1969.23 2169.23            46.31   46.31   46.31             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            46.31      46.31
  46.31
  Crit W.S. (ft)                      Flow Area (sq ft)       123153.80   23626.17
302943.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            123153.80   23626.17
302943.20
  Q Total (cfs)            5486.77    Flow (cfs)               1452.43     398.55
3635.78
  Top Width (ft)           6301.88    Top Width (ft)           1793.66     200.00
4308.21
  Vel Total (ft/s)            0.01    Avg. Vel. (ft/s)            0.01       0.02
   0.01
  Max Chl Dpth (ft)         120.54    Hydr. Depth (ft)           68.66     118.13
  70.32
```

Conv. Total (cfs)	77111810.0	Conv. (cfs)	20412690.0	5601318.0	51097800.0
Length Wtd. (ft)	46.31	Wetted Per. (ft)	1799.39	201.79	4311.77
Min Ch El (ft)	639.77	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.03	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	401888.30	22571.25	153173.40
C & E Loss (ft)		Cum SA (acres)	3729.43	147.63	1364.47

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 22858.7*

INPUT
Description:
Station Elevation Data num= 37

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	780	407.52	734.35	566	716.42	701.84	703.26	815.03	694.85
838.87	693.48	996.15	693.19	1086.71	691.48	1205.87	685.18	1267.83	683.08
1310.73	679.72	1358.39	669.71	1363.16	668.96	1448.95	663.81	1572.87	659.1
1630.07	660.13	1782.59	661.99	1939.88	657.32	1992.31	650.69	2042.31	639.69
2139.23	639.69	2192.31	647.92	2272.24	651.56	2392.14	651.83	2392.14	650.45
2591.97	650.89	2631.94	653.06	3571.15	665.46	3830.94	668.83	4030.77	672.69
4490.38	682.81	4630.27	688.98	5869.23	753.04	6268.9	764.34	6428.76	772.49
6668.56	778.83	6788.46	784.08						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	1992.31	.15	2192.31	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
1992.31	2192.31	46.31	46.31	46.31	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	46.31	46.31	46.31
Crit W.S. (ft)		Flow Area (sq ft)	124408.50	23630.89	283093.00
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	124408.50	23630.89	283093.00
Q Total (cfs)	5486.58	Flow (cfs)	1512.56	411.63	3562.39
Top Width (ft)	5950.66	Top Width (ft)	1816.55	200.00	3934.11
Vel Total (ft/s)	0.01	Avg. Vel. (ft/s)	0.01	0.02	0.01
Max Chl Dpth (ft)	120.62	Hydr. Depth (ft)	68.49	118.15	71.96
Conv. Total (cfs)	74675570.0	Conv. (cfs)	20586870.0		

5602481.0 48486220.0

Length Wtd. (ft)	46.31	Wetted Per. (ft)	1822.20	201.83	3937.78
Min Ch El (ft)	639.69	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.03	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	401756.70	22546.13	152861.90
C & E Loss (ft)		Cum SA (acres)	3727.51	147.42	1360.09

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 22812.4*

INPUT
Description:
Station Elevation Data num= 37

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	780	412.24	733.86	572.55	715.71	709.97	702.89	824.48	695.42
848.58	694.35	1007.69	695.05	1099.3	693.54	1219.84	686.48	1282.52	683.85
1325.91	679.66	1374.13	669.41	1378.95	668.7	1465.73	663.38	1591.09	659.12
1648.95	660.01	1803.24	661.23	1962.35	656.65	2015.38	650.62	2065.38	639.62
2161.54	639.62	2215.38	648.15	2290.3	651.45	2402.68	651.79	2402.68	650.56
2589.97	651.11	2627.42	653.07	3507.69	664.85	3751.17	668.04	3938.46	671.62
4369.23	681.38	4500.33	688.22	5661.54	757.14	6036.12	767.67	6185.95	775.11
6410.7	781.04	6523.08	785.85						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2015.38	.15	2215.38	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2015.38	2215.38	46.31	46.31	46.31	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	46.31	46.31	46.31
Crit W.S. (ft)		Flow Area (sq ft)	125663.10	23633.68	263948.90
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	125663.10	23633.68	263948.90
Q Total (cfs)	5486.40	Flow (cfs)	1571.36	424.08	3490.96
Top Width (ft)	5598.45	Top Width (ft)	1839.47	200.00	3558.98
Vel Total (ft/s)	0.01	Avg. Vel. (ft/s)	0.01	0.02	0.01
Max Chl Dpth (ft)	120.69	Hydr. Depth (ft)	68.31	118.17	74.16
Conv. Total (cfs)	72485100.0	Conv. (cfs)	20760470.0	5602893.0	46121730.0

Length Wtd. (ft)	46.31	Wetted Per. (ft)	1845.10	201.87	3562.85
Min Ch El (ft)	639.62	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.03	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	401623.80	22521.00	152571.10
C & E Loss (ft)		Cum SA (acres)	3725.57	147.20	1356.11

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 22766.1*

INPUT
Description:
Station Elevation Data num= 37

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	780	416.96	733.38	579.11	714.99	718.09	702.53	833.92	695.99
858.3	695.22	1019.23	696.92	1111.89	695.59	1233.81	687.77	1297.2	684.62
1341.09	679.59	1389.86	669.1	1394.74	668.45	1482.52	662.96	1609.31	659.15
1667.83	659.88	1823.89	660.48	1984.82	655.99	2038.46	650.54	2088.46	639.54
2183.85	639.54	2238.46	648.38	2308.36	651.34	2413.21	651.75	2413.21	650.67
2587.96	651.34	2622.91	653.09	3444.23	664.24	3671.4	667.24	3846.15	670.54
4248.08	679.96	4370.4	687.46	5453.85	761.25	5803.34	771.01	5943.14	777.73
6152.84	783.24	6257.69	787.62						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2038.46	.15	2238.46	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2038.46	2238.46	46.31	46.31	46.31	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	46.31	46.31	46.31
Crit W.S. (ft)		Flow Area (sq ft)	126910.30	23637.95	245470.50
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	126910.30	23637.95	245470.50
Q Total (cfs)	5486.23	Flow (cfs)	1631.59	436.81	3417.84
Top Width (ft)	5263.98	Top Width (ft)	1862.37	200.00	3201.61
Vel Total (ft/s)	0.01	Avg. Vel. (ft/s)	0.01	0.02	0.01
Max Chl Dpth (ft)	120.77	Hydr. Depth (ft)	68.14	118.19	76.67
Conv. Total (cfs)	70383810.0	Conv. (cfs)	20931930.0	5603850.0	43848030.0
Length Wtd. (ft)	46.31	Wetted Per. (ft)	1868.03	201.91	

Min Ch El (ft)	639.54	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.03	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	401489.50	22495.87	152300.30
C & E Loss (ft)		Cum SA (acres)	3723.60	146.99	1352.51

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 22719.8*

INPUT
Description:
Station Elevation Data num= 37

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	780	421.68	732.9	585.66	714.28	726.22	702.17	843.36	696.56
868.02	696.09	1030.77	698.79	1124.48	697.65	1247.77	689.07	1311.89	685.38
1356.28	679.52	1405.59	668.8	1410.53	668.19	1499.3	662.54	1627.53	659.17
1686.71	659.76	1844.53	659.73	2007.29	655.32	2061.54	650.46	2111.54	639.46
2206.15	639.46	2261.54	648.62	2326.42	651.24	2423.75	651.7	2423.75	650.78
2585.95	651.56	2618.39	653.1	3380.77	663.64	3591.64	666.45	3753.85	669.46
4126.92	678.54	4240.47	686.71	5246.15	765.36	5570.57	774.34	5700.33	780.35
5894.98	785.45	5992.31	789.38						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2061.54	.15	2261.54	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2061.54	2261.54	46.31	46.31	46.31	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	46.31	46.31	46.31
Crit W.S. (ft)		Flow Area (sq ft)	128151.80	23641.63	227404.80
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	128151.80	23641.63	227404.80
Q Total (cfs)	5486.07	Flow (cfs)	1708.80	453.86	3323.41
Top Width (ft)	5005.33	Top Width (ft)	1885.27	200.00	2920.06
Vel Total (ft/s)	0.01	Avg. Vel. (ft/s)	0.01	0.02	0.01
Max Chl Dpth (ft)	120.85	Hydr. Depth (ft)	67.98	118.21	77.88
Conv. Total (cfs)	67745890.0	Conv. (cfs)	21101520.0	5604538.0	41039830.0
Length Wtd. (ft)	46.31	Wetted Per. (ft)	1891.02	201.95	2924.47

Min Ch El (ft)	639.46	Shear (lb/sq ft)	0.00	0.00	0.00	
Alpha	1.03	Stream Power (lb/ft s)	0.00	0.00	0.00	
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	401353.90	22470.74	152048.90	
C & E Loss (ft)		Cum SA (acres)	3721.61	146.78	1349.26	

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 22673.5*

INPUT
Description:
Station Elevation Data num= 37

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	780	426.4	732.41	592.22	713.57	734.35	701.81	852.8	697.14
877.73	696.96	1042.31	700.66	1137.06	699.71	1261.74	690.36	1326.57	686.15
1371.46	679.45	1421.33	668.5	1426.32	667.93	1516.08	662.12	1645.75	659.19
1705.59	659.63	1865.18	658.98	2029.76	654.65	2084.62	650.38	2134.62	639.38
2228.46	639.38	2284.62	648.85	2344.48	651.13	2434.28	651.66	2434.28	650.89
2583.95	651.78	2613.88	653.12	3317.31	663.03	3511.87	665.66	3661.54	668.38
4005.77	677.12	4110.54	685.95	5038.46	769.47	5337.79	777.68	5457.52	782.98
5637.12	787.66	5726.92	791.15						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2084.62	.15	2284.62	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2084.62	2284.62	46.31	46.31	46.31	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150	
W.S. Elev (ft)	760.31	Reach Len. (ft)	46.31	46.31	46.31	
Crit W.S. (ft)		Flow Area (sq ft)	129392.50	23645.40	209586.20	
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	129392.50	23645.40	209586.20	
Q Total (cfs)	5485.92	Flow (cfs)	1793.43	472.61	3219.87	
Top Width (ft)	4760.30	Top Width (ft)	1908.22	200.00	2652.09	
Vel Total (ft/s)	0.02	Avg. Vel. (ft/s)	0.01	0.02	0.02	
Max Chl Dpth (ft)	120.93	Hydr. Depth (ft)	67.81	118.23	79.03	
Conv. Total (cfs)	65063730.0	Conv. (cfs)	21270340.0	5605278.0	38188110.0	
Length Wtd. (ft)	46.31	Wetted Per. (ft)	1914.11	201.99	2656.87	
Min Ch El (ft)	639.38	Shear (lb/sq ft)	0.00	0.00		

```
   0.00
  Alpha                        1.03    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    401217.00   22445.60
151816.60
  C & E Loss (ft)                      Cum SA (acres)           3719.59     146.57
1346.30



CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22627.2*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  431.12  731.93  598.78  712.85  742.48  701.45  862.24  697.71
  887.45  697.83 1053.85  702.53 1149.65  701.77 1275.71  691.66 1341.26  686.92
 1386.64  679.38 1437.06   668.2 1442.11  667.67 1532.87  661.69 1663.97  659.22
 1724.48   659.5 1885.83  658.22 2052.23  653.98 2107.69  650.31 2157.69  639.31
 2250.77  639.31 2307.69  649.08 2362.54  651.02 2444.82  651.62 2444.82     651
 2581.94  652.01 2609.36  653.13 3253.85  662.43 3432.11  664.87 3569.23  667.31
 3884.62  675.69  3980.6   685.2 4830.77  773.57 5105.02  781.01 5214.72   785.6
 5379.26  789.87 5461.54  792.92

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2107.69     .15 2307.69     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2107.69 2307.69            46.31   46.31   46.31             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)             760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)                0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)             760.31    Reach Len. (ft)            46.31      46.31
  46.31
  Crit W.S. (ft)                       Flow Area (sq ft)       130628.30   23647.26
191935.00
  E.G. Slope (ft/ft)       0.000000    Area (sq ft)            130628.30   23647.26
191935.00
  Q Total (cfs)             5485.77    Flow (cfs)               1886.84     493.34
3105.59
  Top Width (ft)            4526.64    Top Width (ft)           1931.11     200.00
2395.53
  Vel Total (ft/s)             0.02    Avg. Vel. (ft/s)            0.01       0.02
   0.02
  Max Chl Dpth (ft)          121.00    Hydr. Depth (ft)           67.64     118.24
  80.12
  Conv. Total (cfs)       62328290.0    Conv. (cfs)             21437910.0
5605282.0   35285100.0
  Length Wtd. (ft)            46.31    Wetted Per. (ft)         1937.20     202.03
2400.79
  Min Ch El (ft)             639.31    Shear (lb/sq ft)            0.00       0.00
   0.00
```

Alpha	1.03	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	401078.80	22420.46	151603.20
C & E Loss (ft)		Cum SA (acres)	3717.55	146.35	1343.62

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 22580.9*

INPUT
Description:
Station Elevation Data num= 37

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	780	435.84	731.45	605.33	712.14	750.61	701.09	871.68	698.28
897.17	698.7	1065.38	704.4	1162.24	703.83	1289.68	692.96	1355.94	687.69
1401.82	679.31	1452.8	667.9	1457.89	667.41	1549.65	661.27	1682.19	659.24
1743.36	659.38	1906.48	657.47	2074.7	653.31	2130.77	650.23	2180.77	639.23
2273.08	639.23	2330.77	649.31	2380.6	650.91	2455.35	651.58	2455.35	651.11
2579.93	652.23	2604.85	653.14	3190.38	661.82	3352.34	664.07	3476.92	666.23
3763.46	674.27	3850.67	684.44	4623.08	777.68	4872.24	784.34	4971.91	788.22
5121.4	792.07	5196.15	794.69						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2130.77	.15	2330.77	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2130.77	2330.77	46.31	46.31	46.31	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	46.31	46.31	46.31
Crit W.S. (ft)		Flow Area (sq ft)	131857.20	23650.56	174406.60
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	131857.20	23650.56	174406.60
Q Total (cfs)	5485.64	Flow (cfs)	1990.34	516.47	2978.82
Top Width (ft)	4302.45	Top Width (ft)	1954.02	200.00	2148.43
Vel Total (ft/s)	0.02	Avg. Vel. (ft/s)	0.02	0.02	0.02
Max Chl Dpth (ft)	121.08	Hydr. Depth (ft)	67.48	118.25	81.18
Conv. Total (cfs)	59541350.0	Conv. (cfs)	21603280.0	5605817.0	32332250.0
Length Wtd. (ft)	46.31	Wetted Per. (ft)	1960.36	202.07	2154.31
Min Ch El (ft)	639.23	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.03	Stream Power (lb/ft s)	0.00	0.00	

```
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    400939.30   22395.32
151408.50
  C & E Loss (ft)                     Cum SA (acres)           3715.49     146.14
1341.20



CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22534.6*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  440.56  730.97  611.89  711.43  758.74  700.72  881.12  698.85
  906.88  699.57 1076.92  706.26 1174.83  705.88 1303.64  694.25 1370.63  688.46
    1417  679.24 1468.53   667.6 1473.68  667.15 1566.43  660.85  1700.4  659.27
 1762.24  659.25 1927.13  656.72 2097.17  652.64 2153.85  650.15 2203.85  639.15
 2295.38  639.15 2353.85  649.54 2398.66   650.8 2465.89  651.53 2465.89  651.23
 2577.93  652.45 2600.33  653.16 3126.92  661.21 3272.58  663.28 3384.62  665.15
 3642.31  672.85 3720.74  683.69 4415.38  781.79 4639.46  787.68  4729.1  790.84
 4863.55  794.28 4930.77  796.46

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2153.85     .15 2353.85     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2153.85 2353.85            46.31   46.31   46.31             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            46.31      46.31
  46.31
  Crit W.S. (ft)                      Flow Area (sq ft)       133086.90   23653.55
156941.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            133086.90   23653.55
156941.30
  Q Total (cfs)            5485.51    Flow (cfs)               2106.17     542.42
2836.92
  Top Width (ft)           4086.38    Top Width (ft)           1976.94     200.00
1909.44
  Vel Total (ft/s)            0.02    Avg. Vel. (ft/s)            0.02       0.02
   0.02
  Max Chl Dpth (ft)         121.16    Hydr. Depth (ft)           67.32     118.27
  82.19
  Conv. Total (cfs)       56696220.0    Conv. (cfs)             21768630.0
5606221.0   29321370.0
  Length Wtd. (ft)           46.31    Wetted Per. (ft)         1983.57     202.11
1916.12
  Min Ch El (ft)            639.15    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.04    Stream Power (lb/ft s)      0.00       0.00
   0.00
```

```
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    400798.40   22370.18
151232.30
  C & E Loss (ft)                     Cum SA (acres)           3713.40     145.93
1339.04



CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 22488.3*

INPUT
Description:
Station Elevation Data    num=      37
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     780  445.28  730.48  618.44  710.71  766.87  700.36  890.56  699.43
   916.6  700.45 1088.46  708.13 1187.41  707.94 1317.61  695.55 1385.31  689.23
 1432.19  679.17 1484.27   667.3 1489.47  666.89 1583.22  660.42 1718.62  659.29
 1781.12  659.13 1947.77  655.96 2119.64  651.97 2176.92  650.08 2226.92  639.08
 2317.69  639.08 2376.92  649.77 2416.72  650.69 2476.42  651.49 2476.42  651.34
 2575.92  652.68 2595.82  653.17 3063.46  660.61 3192.81  662.49 3292.31  664.08
 3521.15  671.42  3590.8  682.93 4207.69  785.89 4406.69  791.01 4486.29  793.46
 4605.69  796.49 4665.38  798.23

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 2176.92     .15 2376.92     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       2176.92 2376.92            46.31   46.31   46.31             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            46.31      46.31
  46.31
  Crit W.S. (ft)                      Flow Area (sq ft)       134311.80   23654.72
139518.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            134311.80   23654.72
139518.40
  Q Total (cfs)            5485.39    Flow (cfs)               2236.56     571.67
2677.17
  Top Width (ft)           3877.40    Top Width (ft)           1999.88     200.00
1677.52
  Vel Total (ft/s)            0.02    Avg. Vel. (ft/s)            0.02       0.02
   0.02
  Max Chl Dpth (ft)         121.23    Hydr. Depth (ft)           67.16     118.27
  83.17
  Conv. Total (cfs)       53791210.0    Conv. (cfs)             21932290.0
5605924.0   26253000.0
  Length Wtd. (ft)           46.31    Wetted Per. (ft)         2006.85     202.15
1685.26
  Min Ch El (ft)            639.08    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.04    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    400656.30   22345.03
```

151074.70
C & E Loss (ft) Cum SA (acres) 3711.28 145.72
1337.14

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 22442

INPUT
Description:
Station Elevation Data num= 20

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	780	450	730	625	710	775	700	900	700
1100	710	1200	710	1400	690	1500	667	1600	660
1800	659	2200	650	2250	639	2340	639	2400	650
3000	660	3200	663	3400	670	4000	790	4400	800

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2200	.15	2400	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2200	2400	449	449	449	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft) 760.31 Element Left OB Channel
Right OB
Vel Head (ft) 0.00 Wt. n-Val. 0.150 0.150
0.150
W.S. Elev (ft) 760.31 Reach Len. (ft) 449.00 449.00
449.00
Crit W.S. (ft) Flow Area (sq ft) 135529.70 23657.30
122102.00
E.G. Slope (ft/ft) 0.000000 Area (sq ft) 135529.70 23657.30
122102.00
Q Total (cfs) 5485.28 Flow (cfs) 2384.53 605.05
2495.69
Top Width (ft) 3674.36 Top Width (ft) 2022.80 200.00
1451.56
Vel Total (ft/s) 0.02 Avg. Vel. (ft/s) 0.02 0.03
0.02
Max Chl Dpth (ft) 121.31 Hydr. Depth (ft) 67.00 118.29
84.12
Conv. Total (cfs) 50824100.0 Conv. (cfs) 22094000.0
5606150.0 23123940.0
Length Wtd. (ft) 449.00 Wetted Per. (ft) 2030.16 202.20
1460.73
Min Ch El (ft) 639.00 Shear (lb/sq ft) 0.00 0.00
0.00
Alpha 1.04 Stream Power (lb/ft s) 0.00 0.00
0.00
Frctn Loss (ft) 0.00 Cum Volume (acre-ft) 400512.80 22319.88
150935.70
C & E Loss (ft) Cum SA (acres) 3709.15 145.50
1335.47

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 21993

INPUT
Description:
Station Elevation Data num= 13

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	756	150	756	950	700	1150	682	1200	681
1350	670	1425	660	2600	650	2600	638	2700	638
2800	650	3450	660	4000	762				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2600	.15	2800	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2600	2800	686	686	686	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	686.00	686.00	686.00
Crit W.S. (ft)		Flow Area (sq ft)	187910.00	23862.30	95581.52
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	187910.00	23862.30	95581.52
Q Total (cfs)	5484.29	Flow (cfs)	3198.98	545.73	1739.58
Top Width (ft)	3990.90	Top Width (ft)	2600.00	200.00	1190.90
Vel Total (ft/s)	0.02	Avg. Vel. (ft/s)	0.02	0.02	0.02
Max Chl Dpth (ft)	122.31	Hydr. Depth (ft)	72.27	119.31	80.26
Conv. Total (cfs)	55254590.0	Conv. (cfs)	32229980.0	5498225.0	17526390.0
Length Wtd. (ft)	686.00	Wetted Per. (ft)	2608.20	212.72	1200.20
Min Ch El (ft)	638.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.02	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	398845.90	22074.97	149813.80
C & E Loss (ft)		Cum SA (acres)	3685.32	143.44	1321.85

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 21307

INPUT
Description:
Station Elevation Data num= 19

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	780	400	740	850	700	1000	700	1025	694
1200	695	1400	696	1600	692	1800	688	2200	670
2600	660	3600	650	3825	650	3900	635	4000	635
4200	642	4450	660	5000	770	5300	780		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3825	.15	4200	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3825	4200	97.5	97.5	97.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	97.50	97.50	97.50
Crit W.S. (ft)		Flow Area (sq ft)	283417.30	45729.32	52483.89
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	283417.30	45729.32	52483.89
Q Total (cfs)	5482.54	Flow (cfs)	3952.64	856.43	673.47
Top Width (ft)	4754.67	Top Width (ft)	3628.12	375.00	751.56
Vel Total (ft/s)	0.01	Avg. Vel. (ft/s)	0.01	0.02	0.01
Max Chl Dpth (ft)	125.31	Hydr. Depth (ft)	78.12	121.94	69.83
Conv. Total (cfs)	71108780.0	Conv. (cfs)	51265870.0	11107990.0	8734907.0
Length Wtd. (ft)	97.50	Wetted Per. (ft)	3632.28	376.61	762.14
Min Ch El (ft)	635.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.04	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	395134.60	21526.99	148647.90
C & E Loss (ft)		Cum SA (acres)	3636.28	138.91	1306.56

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 21209.5*

INPUT

Description:
Station Elevation Data num= 27

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	778.5	417.21	739.49	756.65	711.07	886.57	700.48	1031.79	700
1043.03	699.97	1069.1	694.42	1251.63	694.92	1460.24	695.38	1668.85	691.24
1877.45	687.11	2149.56	675.74	2294.66	669.89	2711.87	660.4	3439.3	653.44
3754.9	649.9	3989.58	649.33	4052.08	640	4083.33	634.67	4183.33	634.67
4383.33	642.08	4483.33	649.27	4633.33	661.17	4983.33	730	5183.33	767.47
5233.33	769.19	5483.33	779.25						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3989.58	.15	4383.33	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3989.58	4383.33	97.5	97.5	97.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	97.50	97.50	97.50
Crit W.S. (ft)		Flow Area (sq ft)	296074.70	48022.38	52333.73
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	296074.70	48022.38	52333.73
Q Total (cfs)	5482.24	Flow (cfs)	3974.94	867.12	640.18
Top Width (ft)	4950.60	Top Width (ft)	3795.06	393.75	761.79
Vel Total (ft/s)	0.01	Avg. Vel. (ft/s)	0.01	0.02	0.01
Max Chl Dpth (ft)	125.64	Hydr. Depth (ft)	78.02	121.96	68.70
Conv. Total (cfs)	73807540.0	Conv. (cfs)	53514650.0	11674080.0	8618807.0
Length Wtd. (ft)	97.50	Wetted Per. (ft)	3798.83	395.03	772.04
Min Ch El (ft)	634.67	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.04	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	394486.10	21422.07	148530.60
C & E Loss (ft)		Cum SA (acres)	3627.97	138.05	1304.87

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 21112.*

INPUT
Description:
Station Elevation Data num= 27

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev

```
       0     777  434.42  738.98  787.86  711.06  923.15  700.97 1074.35     700
 1086.06  699.95 1113.21  694.83 1303.27  694.85 1520.48  694.75 1737.69  690.48
  1954.9  686.22 2238.24  675.22 2389.32  669.78 2823.75  660.79 3581.18  653.85
  3909.8   649.8 4154.17  648.67 4229.17     640 4266.67  634.33 4366.67  634.33
 4566.67  642.17 4666.67  649.33 4816.67  662.33 5166.67     730 5366.67  764.93
 5416.67  766.72 5666.67   778.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 4154.17     .15 4566.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       4154.17 4566.67             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             97.50      97.50
  97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       308791.80   50326.69
52210.04
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            308791.80   50326.69
52210.04
  Q Total (cfs)            5481.94    Flow (cfs)               3995.69     877.15
 609.10
  Top Width (ft)           5149.54    Top Width (ft)           3963.49     412.50
 773.56
  Vel Total (ft/s)            0.01    Avg. Vel. (ft/s)            0.01       0.02
   0.01
  Max Chl Dpth (ft)         125.98    Hydr. Depth (ft)            77.91     122.00
  67.49
  Conv. Total (cfs)       76510390.0    Conv. (cfs)             55767040.0
12242270.0   8501083.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)         3966.92     413.58
 783.48
  Min Ch El (ft)            634.33    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.05    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    393809.10   21312.01
148413.60
  C & E Loss (ft)                     Cum SA (acres)           3619.29     137.15
1303.15



CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 21014.5*

INPUT
Description:
Station Elevation Data    num=      27
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   775.5  451.63  738.47  819.07  711.05  959.72  701.45 1116.92     700
 1129.08  699.92 1157.31  695.25  1354.9  694.77 1580.72  694.13 1806.54  689.73
 2032.35  685.33 2326.91   674.7 2483.99  669.66 2935.62  661.19 3723.06  654.27
```

```
 4064.71  649.71 4318.75     648 4406.25     640    4450     634    4550     634
    4750  642.25    4850   649.4    5000   663.5    5350     730    5550   762.4
    5600  764.25    5850  777.75

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 4318.75     .15    4750     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       4318.75    4750             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            97.50      97.50
  97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       321548.80   52640.59
52110.18
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            321548.80   52640.59
52110.18
  Q Total (cfs)            5481.64    Flow (cfs)               4014.99     886.72
 579.92
  Top Width (ft)           5351.86    Top Width (ft)           4133.51     431.25
 787.11
  Vel Total (ft/s)            0.01    Avg. Vel. (ft/s)            0.01       0.02
   0.01
  Max Chl Dpth (ft)         126.31    Hydr. Depth (ft)           77.79     122.07
  66.20
  Conv. Total (cfs)       79209160.0    Conv. (cfs)             58016270.0
12813050.0   8379840.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)         4136.65     432.19
 796.73
  Min Ch El (ft)            634.00    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.05    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    393103.70   21196.77
148296.80
  C & E Loss (ft)                     Cum SA (acres)           3610.23     136.21
1301.40



CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 20917.*

INPUT
Description:
Station Elevation Data    num=      27
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     774  468.85  737.96  850.29  711.05    996.3  701.94 1159.48     700
 1172.11   699.9 1201.42  695.67 1406.54   694.7 1640.96   693.5 1875.38  688.97
  2109.8  684.43 2415.59  674.17 2578.65  669.55 3047.49  661.59 3864.94  654.68
 4219.61  649.61 4483.33  647.33 4583.33     640 4633.33  633.67 4733.33  633.67
 4933.33  642.33 5033.33  649.47 5183.33  664.67 5533.33     730 5733.33  759.87
 5783.33  761.78 6033.33     777
```

```
Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 4483.33     .15 4933.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       4483.33 4933.33             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             97.50      97.50
  97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       334369.30   54964.94
52047.03
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            334369.30   54964.94
52047.03
  Q Total (cfs)            5481.33    Flow (cfs)               4035.86     896.47
 549.00
  Top Width (ft)           5566.81    Top Width (ft)           4305.25     450.00
 811.56
  Vel Total (ft/s)            0.01    Avg. Vel. (ft/s)            0.01       0.02
   0.01
  Max Chl Dpth (ft)         126.64    Hydr. Depth (ft)            77.67     122.14
  64.13
  Conv. Total (cfs)       81853640.0    Conv. (cfs)             60268230.0
13387180.0   8198235.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)         4308.13     450.85
 820.85
  Min Ch El (ft)            633.67    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.05    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    392369.60   21076.34
148180.30
  C & E Loss (ft)                     Cum SA (acres)           3600.78     135.22
1299.61



CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 20819.5*

INPUT
Description:
Station Elevation Data    num=      27
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   772.5  486.06  737.45   881.5  711.04 1032.87  702.42 1202.05     700
 1215.14  699.87 1245.52  696.08 1458.17  694.62  1701.2  692.88 1944.23  688.21
 2187.25  683.54 2504.27  673.65 2673.31  669.44 3159.37  661.99 4006.82   655.1
 4374.51  649.51 4647.92  646.67 4760.42     640 4816.67  633.33 4916.67  633.33
 5116.67  642.42 5216.67  649.53 5366.67  665.83 5716.67     730 5916.67  757.33
 5966.67  759.31 6216.67  776.25

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
```

```
       0     .15 4647.92     .15 5116.67     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       4647.92 5116.67             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            97.50      97.50
  97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       347243.00   57300.43
52103.44
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            347243.00   57300.43
52103.44
  Q Total (cfs)            5481.02    Flow (cfs)               4061.83     907.32
 511.87
  Top Width (ft)           5812.43    Top Width (ft)           4478.90     468.75
 864.78
  Vel Total (ft/s)            0.01    Avg. Vel. (ft/s)            0.01       0.02
   0.01
  Max Chl Dpth (ft)         126.98    Hydr. Depth (ft)           77.53     122.24
  60.25
  Conv. Total (cfs)       84362100.0    Conv. (cfs)             62518370.0
13965200.0   7878541.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)         4481.55     469.55
 873.68
  Min Ch El (ft)            633.33    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.05    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    391606.80   20950.70
148063.70
  C & E Loss (ft)                     Cum SA (acres)           3590.95     134.19
1297.74



CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 20722.*

INPUT
Description:
Station Elevation Data    num=      27
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     771  503.27  736.94  912.72  711.04 1069.44   702.9 1244.61     700
 1258.17  699.85 1289.62   696.5  1509.8  694.55 1761.44  692.25 2013.07  687.45
 2264.71  682.65 2592.94  673.13 2767.97  669.32 3271.24  662.38 4148.71  655.51
 4529.41  649.41  4812.5     646  4937.5     640    5000     633    5100     633
    5300   642.5    5400   649.6    5550     667    5900     730    6100   754.8
    6150  756.83    6400   775.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15  4812.5     .15    5300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
```

```
        4812.5    5300             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            97.50      97.50
  97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       360190.80   59645.62
52250.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            360190.80   59645.62
52250.20
  Q Total (cfs)            5480.71    Flow (cfs)               4078.10     915.88
 486.73
  Top Width (ft)           6038.69    Top Width (ft)           4654.57     487.50
 896.62
  Vel Total (ft/s)            0.01    Avg. Vel. (ft/s)            0.01       0.02
   0.01
  Max Chl Dpth (ft)         127.31    Hydr. Depth (ft)           77.38     122.35
  58.27
  Conv. Total (cfs)       87049310.0    Conv. (cfs)             64771810.0
14546790.0   7730710.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)         4657.02     488.26
 905.20
  Min Ch El (ft)            633.00    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.06    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    390815.10   20819.82
147946.90
  C & E Loss (ft)                     Cum SA (acres)           3580.73     133.12
1295.76



CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 20624.5*

INPUT
Description:
Station Elevation Data    num=      27
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   769.5  520.48  736.43  943.93  711.03 1106.02  703.39 1287.18     700
  1301.2  699.82 1333.73  696.92 1561.44  694.47 1821.68  691.63 2081.92  686.69
 2342.16  681.76 2681.62  672.61 2862.64  669.21 3383.12  662.78 4290.59  655.93
 4684.31  649.31 4977.08  645.33 5114.58     640 5183.33  632.67 5283.33  632.67
 5483.33  642.58 5583.33  649.67 5733.33  668.17 6083.33     730 6283.33  752.27
 6333.33  754.36 6583.33  774.75

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 4977.08     .15 5483.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       4977.08 5483.33             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
```

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	97.50	97.50	97.50
Crit W.S. (ft)		Flow Area (sq ft)	373189.00	62001.24	52458.94
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	373189.00	62001.24	52458.94
Q Total (cfs)	5480.40	Flow (cfs)	4090.68	923.63	466.09
Top Width (ft)	6261.69	Top Width (ft)	4832.47	506.25	922.97
Vel Total (ft/s)	0.01	Avg. Vel. (ft/s)	0.01	0.01	0.01
Max Chl Dpth (ft)	127.64	Hydr. Depth (ft)	77.23	122.47	56.84
Conv. Total (cfs)	89788240.0	Conv. (cfs)	67019720.0	15132330.0	7636188.0
Length Wtd. (ft)	97.50	Wetted Per. (ft)	4834.75	506.99	931.30
Min Ch El (ft)	632.67	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.06	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	389994.30	20683.68	147829.70
C & E Loss (ft)		Cum SA (acres)	3570.11	132.01	1293.73

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 20527.*

INPUT
Description:
Station Elevation Data num= 27

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	768	537.69	735.92	975.14	711.02	1142.59	703.87	1329.74	700
1344.23	699.8	1377.83	697.33	1613.07	694.4	1881.92	691	2150.76	685.93
2419.61	680.87	2770.29	672.09	2957.3	669.1	3494.99	663.18	4432.47	656.34
4839.22	649.22	5141.67	644.67	5291.67	640	5366.67	632.33	5466.67	632.33
5666.67	642.67	5766.67	649.73	5916.67	669.33	6266.67	730	6466.67	749.73
6516.67	751.89	6766.67	774						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	5141.67	.15	5666.67	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
5141.67	5666.67	97.5	97.5	97.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	

```
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            97.50      97.50
  97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       386262.80   64367.93
52720.01
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            386262.80   64367.93
52720.01
  Q Total (cfs)            5480.09    Flow (cfs)               4100.60     930.74
 448.75
  Top Width (ft)           6483.03    Top Width (ft)           5012.80     525.00
 945.22
  Vel Total (ft/s)            0.01    Avg. Vel. (ft/s)            0.01       0.01
   0.01
  Max Chl Dpth (ft)         127.98    Hydr. Depth (ft)           77.06     122.61
  55.78
  Conv. Total (cfs)       92570270.0    Conv. (cfs)             69267750.0
15722110.0   7580416.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)         5014.95     525.73
 953.36
  Min Ch El (ft)            632.33    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.06    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    389144.40   20542.26
147712.00
  C & E Loss (ft)                     Cum SA (acres)           3559.09     130.86
1291.64
```

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 20429.5*

INPUT
Description:
Station Elevation Data num= 27

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	766.5	554.9	735.41	1006.36	711.02	1179.17	704.35	1372.31	700
1387.25	699.77	1421.94	697.75	1664.71	694.32	1942.16	690.38	2219.61	685.18
2497.06	679.98	2858.97	671.57	3051.96	668.99	3606.86	663.58	4574.35	656.76
4994.12	649.12	5306.25	644	5468.75	640	5550	632	5650	632
5850	642.75	5950	649.8	6100	670.5	6450	730	6650	747.2
6700	749.42	6950	773.25						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	5306.25	.15	5850	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
5306.25	5850	97.5	97.5	97.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
```

```
  W.S. Elev (ft)            760.31    Reach Len. (ft)            97.50      97.50
  97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       399400.60   66744.39
53014.05
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            399400.60   66744.39
53014.05
  Q Total (cfs)            5479.77    Flow (cfs)               4108.52     937.39
 433.86
  Top Width (ft)           6703.81    Top Width (ft)           5195.80     543.75
 964.26
  Vel Total (ft/s)            0.01    Avg. Vel. (ft/s)            0.01       0.01
   0.01
  Max Chl Dpth (ft)         128.31    Hydr. Depth (ft)           76.87     122.75
  54.98
  Conv. Total (cfs)       95377980.0    Conv. (cfs)             71510720.0
16315740.0   7551515.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)         5197.82     544.48
 972.26
  Min Ch El (ft)            632.00    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.06    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    388265.10   20395.52
147593.70
  C & E Loss (ft)                     Cum SA (acres)           3547.67     129.66
1289.50


CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 20332.*

INPUT
Description:
Station Elevation Data    num=      27
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     765  572.11   734.9 1037.57  711.01 1215.74  704.84 1414.87     700
 1430.28  699.75 1466.04  698.17 1716.34  694.25  2002.4  689.75 2288.45  684.42
 2574.51  679.09 2947.65  671.04 3146.62  668.87 3718.74  663.97 4716.24  657.17
 5149.02  649.02 5470.83  643.33 5645.83     640 5733.33  631.67 5833.33  631.67
 6033.33  642.83 6133.33  649.87 6283.33  671.67 6633.33     730 6833.33  744.67
 6883.33  746.94 7133.33   772.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 5470.83     .15 6033.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       5470.83 6033.33             97.5    97.5    97.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            97.50      97.50
  97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       412643.80   69131.30
```

```
53339.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            412643.80   69131.30
53339.20
  Q Total (cfs)            5479.45    Flow (cfs)               4114.97     943.60
 420.88
  Top Width (ft)           6925.00    Top Width (ft)           5381.72     562.50
 980.79
  Vel Total (ft/s)            0.01    Avg. Vel. (ft/s)            0.01       0.01
   0.01
  Max Chl Dpth (ft)         128.64    Hydr. Depth (ft)           76.68     122.90
  54.38
  Conv. Total (cfs)       98216100.0    Conv. (cfs)             73758570.0
16913500.0   7544024.0
  Length Wtd. (ft)           97.50    Wetted Per. (ft)         5383.63     563.24
 988.71
  Min Ch El (ft)            631.67    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.06    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    387356.30   20243.46
147474.70
  C & E Loss (ft)                     Cum SA (acres)           3535.83     128.42
1287.32
```

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 20234.5*

INPUT
Description:
Station Elevation Data num= 27

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	763.5	589.32	734.39	1068.79	711.01	1252.31	705.32	1457.44	700
1473.31	699.72	1510.14	698.58	1767.97	694.17	2062.64	689.13	2357.3	683.66
2651.96	678.19	3036.32	670.52	3241.29	668.76	3830.61	664.37	4858.12	657.59
5303.92	648.92	5635.42	642.67	5822.92	640	5916.67	631.33	6016.67	631.33
6216.67	642.92	6316.67	649.93	6466.67	672.83	6816.67	730	7016.67	742.13
7066.67	744.47	7316.67	771.75						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	5635.42	.15	6216.67	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
5635.42	6216.67	97.5	97.5	97.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            97.50      97.50
  97.50
  Crit W.S. (ft)                      Flow Area (sq ft)       425954.50   71529.17
53691.95
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            425954.50   71529.17
53691.95
```

Q Total (cfs)	5479.14	Flow (cfs)	4120.03	949.57	409.54
Top Width (ft)	7147.30	Top Width (ft)	5570.87	581.25	995.18
Vel Total (ft/s)	0.01	Avg. Vel. (ft/s)	0.01	0.01	0.01
Max Chl Dpth (ft)	128.98	Hydr. Depth (ft)	76.46	123.06	53.95
Conv. Total (cfs)	101067300.0	Conv. (cfs)	75997350.0	17515600.0	7554316.0
Length Wtd. (ft)	97.50	Wetted Per. (ft)	5572.71	582.00	1003.08
Min Ch El (ft)	631.33	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.06	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	386417.80	20086.04	147354.90
C & E Loss (ft)		Cum SA (acres)	3523.57	127.14	1285.11

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 20137

INPUT
Description:
Station Elevation Data num= 14

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	762	1100	711	1500	700	3125	670	5000	658
5800	642	6000	640	6100	631	6200	631	6400	643
6500	650	7000	730	7250	742	7500	771		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	5800	.15	6400	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
5800	6400	335.02	335.02	335.02	.1	.3

Ineffective Flow num= 1

Sta L	Sta R	Elev	Permanent
0	3400	762	F

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	335.02	335.02	335.02
Crit W.S. (ft)		Flow Area (sq ft)	243755.40	73936.84	54059.98
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	439361.90	73936.84	54059.98
Q Total (cfs)	5478.82	Flow (cfs)	3679.71	1268.67	530.44
Top Width (ft)	7371.44	Top Width (ft)	5763.58	600.00	

```
1007.86
  Vel Total (ft/s)            0.01    Avg. Vel. (ft/s)            0.02       0.02
   0.01
  Max Chl Dpth (ft)         129.31    Hydr. Depth (ft)          101.56     123.23
  53.64
  Conv. Total (cfs)       78259510.0    Conv. (cfs)             52560980.0
18121660.0   7576863.0
  Length Wtd. (ft)          335.02    Wetted Per. (ft)         2400.19     600.77
1015.81
  Min Ch El (ft)            631.00    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.06    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    385449.40   19923.24
147234.30
  C & E Loss (ft)                     Cum SA (acres)           3510.89     125.82
1282.87
```

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 19802

INPUT
Description:
Station Elevation Data num= 19

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	790	500	750	700	720	850	700	1350	670
1600	660	2000	650	2150	650	3100	642	3200	640
3250	630	3350	630	3500	642	3675	660	3750	660
3800	670	3900	670	4150	711	4600	771		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	3100	.15	3500	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
3100	3500	589	589	589	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)           589.00     589.00
 589.00
  Crit W.S. (ft)                      Flow Area (sq ft)       242024.20   49874.56
67020.97
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            242024.20   49874.56
67020.97
  Q Total (cfs)            5477.91    Flow (cfs)               3691.09     953.42
 833.40
  Top Width (ft)           4148.73    Top Width (ft)           2728.89     400.00
1019.84
  Vel Total (ft/s)            0.02    Avg. Vel. (ft/s)            0.02       0.02
   0.01
  Max Chl Dpth (ft)         130.31    Hydr. Depth (ft)           88.69     124.69
  65.72
```

Conv. Total (cfs)	70672460.0	Conv. (cfs)	47620000.0	12300410.0	10752050.0
Length Wtd. (ft)	589.00	Wetted Per. (ft)	2734.13	401.49	1028.36
Min Ch El (ft)	630.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.05	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	382829.20	19447.13	146768.70
C & E Loss (ft)		Cum SA (acres)	3478.23	121.97	1275.07

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 19213

INPUT
Description:
Station Elevation Data num= 20

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	740	100	740	150	730	300	720	600	670
790	660	800	652	1000	650	1200	649	1300	642
1600	640	2600	640	2650	629	2750	629	2900	640
3200	650	3500	720	3600	731	3750	731	4400	784

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	2600	.15	2900	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
2600	2900	290	290	290	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	290.00	290.00	290.00
Crit W.S. (ft)		Flow Area (sq ft)	258949.30	38293.38	70332.97
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	258949.30	38293.38	70332.97
Q Total (cfs)	5476.77	Flow (cfs)	4011.51	702.65	762.60
Top Width (ft)	4109.48	Top Width (ft)	2600.00	300.00	1209.48
Vel Total (ft/s)	0.01	Avg. Vel. (ft/s)	0.02	0.02	0.01
Max Chl Dpth (ft)	131.31	Hydr. Depth (ft)	99.60	127.64	58.15
Conv. Total (cfs)	74691820.0	Conv. (cfs)	54708720.0	9582761.0	10400350.0
Length Wtd. (ft)	290.00	Wetted Per. (ft)	2629.11	301.60	1219.50
Min Ch El (ft)	629.00	Shear (lb/sq ft)	0.00	0.00	

```
   0.00
  Alpha                        1.06    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    379442.20   18851.04
145840.00
  C & E Loss (ft)                      Cum SA (acres)           3442.20     117.24
1260.00


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 18923

INPUT
Description:
Station Elevation Data    num=      24
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     740      50     730     400     710     600     670     900     649
    1000     649    1050     645    1400     640    2200     640    2600     635
    2650     628    2750     628    3000     634    3050     639    3200     639
    3370     650    3450     650    3600     660    3800     658    4000     670
    4100     680    4450     680    4700     720    5000     762

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    2600     .15    3000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          2600    3000               59      59      59             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)             760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)                0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)             760.31    Reach Len. (ft)            59.00      59.00
  59.00
  Crit W.S. (ft)                       Flow Area (sq ft)       263084.30   51999.51
165742.70
  E.G. Slope (ft/ft)       0.000000    Area (sq ft)            263084.30   51999.51
165742.70
  Q Total (cfs)             5476.27    Flow (cfs)               3057.62     718.45
1700.20
  Top Width (ft)            4987.94    Top Width (ft)           2600.00     400.00
1987.94
  Vel Total (ft/s)             0.01    Avg. Vel. (ft/s)            0.01       0.01
   0.01
  Max Chl Dpth (ft)          132.31    Hydr. Depth (ft)          101.19     130.00
  83.37
  Conv. Total (cfs)       100665100.0    Conv. (cfs)             56205410.0
13206610.0   31253110.0
  Length Wtd. (ft)            59.00    Wetted Per. (ft)         2626.79     400.56
1995.73
  Min Ch El (ft)             628.00    Shear (lb/sq ft)            0.00       0.00
   0.00
```

Alpha	1.03	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	377704.50	18550.48	145054.20
C & E Loss (ft)		Cum SA (acres)	3424.89	114.91	1249.36

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 18864

INPUT
Description:
Station Elevation Data num= 23

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	760	200	720	500	690	800	690	850	688
1050	690	1300	711	1400	715	1600	711	2000	647
2200	650	2600	646	2900	638	3300	638	4000	630
4025	626	4150	626	4175	630	4750	650	4900	650
5000	655	5050	657	5800	756				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	4000	.15	4175	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
4000	4175	172.67	172.67	172.67	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	172.67	172.67	172.67
Crit W.S. (ft)		Flow Area (sq ft)	361370.10	23404.47	142080.80
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	361370.10	23404.47	142080.80
Q Total (cfs)	5476.12	Flow (cfs)	3730.90	313.74	1431.48
Top Width (ft)	5800.00	Top Width (ft)	4000.00	175.00	1625.00
Vel Total (ft/s)	0.01	Avg. Vel. (ft/s)	0.01	0.01	0.01
Max Chl Dpth (ft)	134.31	Hydr. Depth (ft)	90.34	133.74	87.43
Conv. Total (cfs)	105576900.0	Conv. (cfs)	71929940.0	6048668.0	27598310.0
Length Wtd. (ft)	172.67	Wetted Per. (ft)	4012.10	175.64	1636.33
Min Ch El (ft)	626.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	

```
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    377281.60   18499.41
144845.80
  C & E Loss (ft)                     Cum SA (acres)           3420.42     114.52
1246.91


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 18691.3*

INPUT
Description:
Station Elevation Data    num=      47
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     760  279.17  724.22  510.48  705.62   638.1  699.52   638.1  696.86
  697.92     694  893.33     694 1020.95     690 1116.67     690 1186.46  688.67
 1465.62     690 1467.62  690.08 1563.33  690.59 1786.67  699.55 1814.58   700.3
 1914.29   700.9 1954.17  701.94 2233.33  701.22 2392.86  690.14 2488.57  681.16
 2552.38  677.95 2791.67  657.92 2871.43   657.9 3070.83  658.29 3254.29  656.46
 3445.71  656.21 3629.17  654.69 3828.57  651.46 4047.92  647.81 4083.81  647.67
 4402.86     642 4606.25  640.72  4721.9  639.37 5009.05   635.8 5232.38  634.58
 5583.33     630 5608.33     624 5716.67     624 5733.33     630 6044.44  639.43
 6346.67  646.57    6400  646.67 6506.67  646.67 6613.33     650 6666.67  651.33
 6755.56  658.67 7466.67     758

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15 5583.33     .15 5733.33     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
       5583.33 5733.33           172.67  172.67  172.67              .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)           172.67     172.67
 172.67
  Crit W.S. (ft)                      Flow Area (sq ft)       491843.70   20321.71
156828.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            491843.70   20321.71
156828.40
  Q Total (cfs)            5475.50    Flow (cfs)               3972.43     217.21
1285.86
  Top Width (ft)           7466.67    Top Width (ft)           5583.33     150.00
1733.34
  Vel Total (ft/s)            0.01    Avg. Vel. (ft/s)            0.01       0.01
   0.01
  Max Chl Dpth (ft)         136.31    Hydr. Depth (ft)           88.09     135.48
  90.48
  Conv. Total (cfs)       132826500.0    Conv. (cfs)             96364600.0
5269116.0   31192820.0
  Length Wtd. (ft)          172.67    Wetted Per. (ft)         5591.75     151.76
```

1743.15					
Min Ch El (ft)	624.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	375590.50	18412.75	144253.30
C & E Loss (ft)		Cum SA (acres)	3401.43	113.88	1240.25

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 18518.6*

INPUT
Description:
Station Elevation Data num= 47

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	760	358.33	728.44	655.24	707.81	819.05	704.76	819.05	699.43
895.83	698	1146.67	698	1310.48	690	1433.33	690	1522.92	689.33
1881.25	690	1883.81	690.04	2006.67	685.29	2293.33	689.77	2329.17	689.6
2457.14	687.95	2508.33	688.89	2866.67	691.44	3071.43	687.57	3194.29	680.58
3276.19	681.48	3583.33	668.83	3685.71	667.95	3941.67	666.58	4177.14	664.23
4422.86	665.1	4658.33	663.39	4914.29	660.73	5195.83	657.61	5241.9	657.33
5651.43	646	5912.5	643.45	6060.95	641.68	6429.52	636.9	6716.19	636.29
7166.67	630	7191.67	622	7283.33	622	7291.67	630	7622.22	638.71
7943.33	643.13	8000	643.33	8113.33	643.33	8226.67	645	8283.33	645.67
8377.78	649.33	9133.33	760						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	7166.67	.15	7291.67	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
7166.67	7291.67	172.67	172.67	172.67	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	172.67	172.67	172.67
Crit W.S. (ft)		Flow Area (sq ft)	615193.80	17155.55	172242.20
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	615193.80	17155.55	172242.20
Q Total (cfs)	5474.76	Flow (cfs)	4106.93	153.10	1214.73
Top Width (ft)	9133.33	Top Width (ft)	7166.67	125.00	1841.66
Vel Total (ft/s)	0.01	Avg. Vel. (ft/s)	0.01	0.01	0.01
Max Chl Dpth (ft)	138.31	Hydr. Depth (ft)	85.84	137.24	

```
  93.53
  Conv. Total (cfs)       157954500.0    Conv. (cfs)             118490600.0
4417152.0   35046700.0
  Length Wtd. (ft)          172.67    Wetted Per. (ft)         7175.63     129.47
1850.27
  Min Ch El (ft)            622.00    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    373396.40   18338.47
143601.10
  C & E Loss (ft)                     Cum SA (acres)           3376.16     113.33
1233.17
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 18346

INPUT
Description:
Station Elevation Data num= 30

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	760	800	710	1000	710	1000	702	1400	702
1600	690	2300	690	2450	680	2800	680	3000	675
3750	685	3900	680	4000	685	4500	678	5100	672
5400	674	6000	670	6400	667	6900	650	7400	644
7850	638	8200	638	8750	630	8775	620	8850	620
8850	630	9200	638	9600	640	10000	640	10800	762

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	8750	.15	8850	.15

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8750    8850              421     421     421             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    6400     670       F
```

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)           421.00     421.00
 421.00
  Crit W.S. (ft)                      Flow Area (sq ft)       731398.60   13906.13
188316.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            731398.60   13906.13
188316.30
  Q Total (cfs)            5473.92    Flow (cfs)               4182.71     103.67
1187.54
  Top Width (ft)          10788.93    Top Width (ft)           8750.00     100.00
1938.93
```

Vel Total (ft/s)	0.01	Avg. Vel. (ft/s)	0.01	0.01	0.01
Max Chl Dpth (ft)	140.31	Hydr. Depth (ft)	83.59	139.06	97.12
Conv. Total (cfs)	181113800.0	Conv. (cfs)	138391900.0	3430000.0	39291920.0
Length Wtd. (ft)	421.00	Wetted Per. (ft)	8761.44	111.93	1948.14
Min Ch El (ft)	620.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	370727.50	18276.90	142886.50
C & E Loss (ft)		Cum SA (acres)	3344.61	112.89	1225.68

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 17925

INPUT
Description:
Station Elevation Data num= 20

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	770	800	680	1000	670	2300	670	2600	665
3000	660	3650	662	4600	652	4700	650	6000	640
6400	632	6420	629	6420	618	6600	618	6600	629
7100	629	7700	638	8200	640	8300	640	9200	750

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	6420	.15	6600	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
6420	6600	414	414	414	.1	.3

Ineffective Flow num= 1

Sta L	Sta R	Elev	Permanent
0	4200	670	F

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	414.00	414.00	414.00
Crit W.S. (ft)		Flow Area (sq ft)	605955.60	25616.03	273209.30
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	605955.60	25616.03	273209.30
Q Total (cfs)	5471.99	Flow (cfs)	3578.36	182.64	1711.00
Top Width (ft)	9113.88	Top Width (ft)	6333.88	180.00	

```
2600.00
  Vel Total (ft/s)            0.01    Avg. Vel. (ft/s)            0.01       0.01
   0.01
  Max Chl Dpth (ft)         142.31    Hydr. Depth (ft)           95.67     142.31
 105.08
  Conv. Total (cfs)       191902600.0    Conv. (cfs)             125492900.0
6405053.0   60004670.0
  Length Wtd. (ft)          414.00    Wetted Per. (ft)         6339.12     202.00
2617.08
  Min Ch El (ft)            618.00    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    364264.80   18085.91
140656.20
  C & E Loss (ft)                     Cum SA (acres)           3271.72     111.53
1203.74


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 17511

INPUT
Description:
Station Elevation Data    num=      24
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     760     400     720     900     735    1400     710    2000     670
    2300     670    2300     659    2450     659    2450     670    3200     670
    3650     660    4000     660    4300     655    4800     657    5250     650
    6800     640    7000     630    7100     617    7200     617    7300     630
    8000     630    8400     632    9200     640   10000     768

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    7000     .15    7300     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          7000    7300              441     441     441             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    5100     670       F

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)           441.00     441.00
 441.00
  Crit W.S. (ft)                      Flow Area (sq ft)       608503.90   41693.38
287625.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            608503.90   41693.38
287625.20
  Q Total (cfs)            5470.45    Flow (cfs)               3332.67     311.85
```

```
1825.94
  Top Width (ft)           9951.95    Top Width (ft)           7000.00     300.00
2651.95
  Vel Total (ft/s)            0.01    Avg. Vel. (ft/s)            0.01       0.01
   0.01
  Max Chl Dpth (ft)         143.31    Hydr. Depth (ft)           86.93     138.98
 108.46
  Conv. Total (cfs)       193669800.0    Conv. (cfs)             117986000.0
11040330.0   64643550.0
  Length Wtd. (ft)          441.00    Wetted Per. (ft)         7026.98     301.68
2661.55
  Min Ch El (ft)            617.00    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.03    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    358493.60   17766.05
137991.10
  C & E Loss (ft)                     Cum SA (acres)           3208.36     109.25
1178.78
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 17070

INPUT
Description:
Station Elevation Data num= 36

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	742	200	730	400	730	400	720	800	720
800	710	1200	710	1200	705	1550	700	2000	700
2050	680	2600	680	2800	670	3500	670	3600	660
3800	660	3800	670	4200	672	5200	660	5800	648
6400	652	7800	640	8100	640	8500	630	8510	616
8690	616	8700	630	9800	630	10400	640	10700	640
11100	670	11600	660	12200	660	12300	670	12500	670
13600	790								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	8500	.15	8700	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
8500	8700	411	411	411	.1	.3

Ineffective Flow num= 1

Sta L	Sta R	Elev	Permanent
0	6300	670	F

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)           411.00     411.00
 411.00
```

Crit W.S. (ft)		Flow Area (sq ft)	758370.90	28722.26	469565.10
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	758370.90	28722.26	469565.10
Q Total (cfs)	5468.75	Flow (cfs)	3166.73	157.98	2144.04
Top Width (ft)	13327.85	Top Width (ft)	8500.00	200.00	4627.85
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.01	0.00
Max Chl Dpth (ft)	144.31	Hydr. Depth (ft)	89.22	143.61	101.47
Conv. Total (cfs)	257857200.0	Conv. (cfs)	149314400.0	7449133.0	101093700.0
Length Wtd. (ft)	411.00	Wetted Per. (ft)	8558.69	214.41	4634.57
Min Ch El (ft)	616.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	351574.50	17409.61	134158.20
C & E Loss (ft)		Cum SA (acres)	3129.90	106.72	1141.93

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 16659

INPUT
Description:
Station Elevation Data num= 26

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	760	1200	688	1550	680	1600	670	2100	670
2450	660	2500	650	2800	650	2850	660	3150	664
3700	661	4450	650	5200	645	6000	645	6500	640
6800	640	7200	630	7250	612	7400	612	7400	630
8400	630	9150	640	9350	640	9800	650	10000	650
11200	785								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	7200	.15	7400	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
7200	7400	492	492	492	.1	.3

Ineffective Flow num= 1

Sta L	Sta R	Elev	Permanent
0	4500	670	F

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	

```
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)           492.00     492.00
 492.00
  Crit W.S. (ft)                      Flow Area (sq ft)       680565.80   29212.24
376391.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            680565.80   29212.24
376391.70
  Q Total (cfs)            5466.87    Flow (cfs)               3319.35     178.19
1969.33
  Top Width (ft)          10980.54    Top Width (ft)           7200.00     200.00
3580.54
  Vel Total (ft/s)            0.01    Avg. Vel. (ft/s)            0.00       0.01
   0.01
  Max Chl Dpth (ft)         148.31    Hydr. Depth (ft)           94.52     146.06
 105.12
  Conv. Total (cfs)       230274200.0    Conv. (cfs)             139816900.0
7505832.0   82951420.0
  Length Wtd. (ft)          492.00    Wetted Per. (ft)         7205.96     221.14
3586.91
  Min Ch El (ft)            612.00    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    344786.20   17136.30
130167.30
  C & E Loss (ft)                     Cum SA (acres)           3055.83     104.84
1103.21


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 16167

INPUT
Description:
Station Elevation Data    num=      22
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     762    1000     680    1200     673    1600     665    2300     660
    2800     658    2900     657    3000     650    3200     650    3200     660
    3600     660    5200     640    6400     640    6800     637    7200     630
    7250     611    7400     611    7410     630    8800     630    9600     638
   10000     650   10400     760

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    7200     .15    7410     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          7200    7410              568     568     568              .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4500     670       F

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
```

Right OB					
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	568.00	568.00	568.00
Crit W.S. (ft)		Flow Area (sq ft)	715208.20	30785.36	350830.60
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	715208.20	30785.36	350830.60
Q Total (cfs)	5464.68	Flow (cfs)	3417.17	182.00	1865.51
Top Width (ft)	10379.41	Top Width (ft)	7179.41	210.00	2990.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.01	0.01
Max Chl Dpth (ft)	149.31	Hydr. Depth (ft)	99.62	146.60	117.33
Conv. Total (cfs)	243165100.0	Conv. (cfs)	152055900.0	8098570.0	83010540.0
Length Wtd. (ft)	568.00	Wetted Per. (ft)	7193.36	224.96	3005.38
Min Ch El (ft)	611.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	336903.70	16797.47	126060.40
C & E Loss (ft)		Cum SA (acres)	2974.63	102.52	1066.10

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 15599

INPUT
Description:
Station Elevation Data num= 29

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	760	0	750	300	750	700	680	1400	660
2100	655	2600	655	3100	649	3400	649	3500	655
4000	649	4400	649	4450	649	5000	649	5100	630
5900	630	5900	632	6000	632	6100	629	6300	629
6300	620	6500	620	6500	629	7400	629	7450	610
7550	610	7700	629	9800	629	10800	780		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	7450	.15	7700	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
7450	7700	798	798	798	.1	.3

Ineffective Flow num= 1

Sta L	Sta R	Elev	Permanent
0	4200	670	F

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)           798.00     798.00
 798.00
  Crit W.S. (ft)                      Flow Area (sq ft)       794593.60   36152.80
332848.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            794593.60   36152.80
332848.40
  Q Total (cfs)            5462.62    Flow (cfs)               3667.59     204.54
1590.49
  Top Width (ft)          10669.61    Top Width (ft)           7450.00     250.00
2969.61
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.01
   0.00
  Max Chl Dpth (ft)         150.31    Hydr. Depth (ft)          106.66     144.61
 112.08
  Conv. Total (cfs)       262678200.0    Conv. (cfs)             176361400.0
9835486.0   76481330.0
  Length Wtd. (ft)          798.00    Wetted Per. (ft)         7492.27     251.20
2979.47
  Min Ch El (ft)            610.00    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    327060.20   16361.05
121602.90
  C & E Loss (ft)                     Cum SA (acres)           2879.25      99.52
1027.25


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 14801

INPUT
Description:
Station Elevation Data    num=      22
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     755     700     700    1300     660    2300     650    3600     650
    4000     640    4300     640    4900     660    6200     660    6400     640
    6800     640    7700     620    7750     609    7890     609    7900     620
    8000     625    8400     625    9600     630   10000     635   10200     650
   10900     780   11200     780

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    7700     .15    7900     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          7700    7900              478     478     478             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4400     670       F
```

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	478.00	478.00	478.00
Crit W.S. (ft)		Flow Area (sq ft)	786146.40	29932.24	334727.30
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	786146.40	29932.24	334727.30
Q Total (cfs)	5459.81	Flow (cfs)	3615.33	174.29	1670.19
Top Width (ft)	10793.98	Top Width (ft)	7700.00	200.00	2893.98
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.01	0.00
Max Chl Dpth (ft)	151.31	Hydr. Depth (ft)	102.10	149.66	115.66
Conv. Total (cfs)	256674600.0	Conv. (cfs)	169962700.0	8193530.0	78518430.0
Length Wtd. (ft)	478.00	Wetted Per. (ft)	7710.53	206.06	2904.87
Min Ch El (ft)	609.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	312580.90	15755.72	115488.10
C & E Loss (ft)		Cum SA (acres)	2740.47	95.40	973.54

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 14323

INPUT
Description:
Station Elevation Data num= 19

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	900	670	2000	650	3800	650	4500	660
4800	660	5000	663	5200	663	5900	658	6700	658
7100	638	8000	620	8050	608	8250	608	8300	620
9300	622	9700	622	10000	624	11200	780		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	8000	.15	8300	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
8000	8300	402	402	402	.1	.3

Ineffective Flow num= 1

Sta L	Sta R	Elev	Permanent

```
       0    4350     670       F

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)           402.00     402.00
 402.00
  Crit W.S. (ft)                      Flow Area (sq ft)       825538.80   45093.33
307293.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            825538.80   45093.33
307293.20
  Q Total (cfs)            5458.17    Flow (cfs)               3730.27     261.11
1466.79
  Top Width (ft)          11048.55    Top Width (ft)           8000.00     300.00
2748.55
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.01
   0.00
  Max Chl Dpth (ft)         152.31    Hydr. Depth (ft)          103.19     150.31
 111.80
  Conv. Total (cfs)       262325100.0    Conv. (cfs)             179280400.0
12549200.0   70495460.0
  Length Wtd. (ft)          402.00    Wetted Per. (ft)         8042.67     302.84
2757.38
  Min Ch El (ft)            608.00    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    303738.10   15344.08
111965.50
  C & E Loss (ft)                     Cum SA (acres)           2654.33      92.66
 942.58


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 13921

INPUT
Description:
Station Elevation Data    num=      15
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     800     670    1800     650    3300     650    4500     670
    5100     668    6100     660    7200     630    8100     620    8150     607
    8350     607    8400     620    9500     622   10000     630   10800     770

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8100     .15    8400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8100    8400              417     417     417              .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
```

```
       0    4350     670       F

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)           417.00     417.00
 417.00
  Crit W.S. (ft)                      Flow Area (sq ft)       838119.90   45343.33
268914.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            838119.90   45343.33
268914.80
  Q Total (cfs)            5457.13    Flow (cfs)               3861.73     267.94
1327.47
  Top Width (ft)          10744.63    Top Width (ft)           8100.00     300.00
2344.64
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.01
   0.00
  Max Chl Dpth (ft)         153.31    Hydr. Depth (ft)          103.47     151.14
 114.69
  Conv. Total (cfs)       257681600.0    Conv. (cfs)             182347800.0
12651860.0   62682010.0
  Length Wtd. (ft)          417.00    Wetted Per. (ft)         8142.74     303.32
2356.02
  Min Ch El (ft)            607.00    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    296061.50   14926.78
109306.70
  C & E Loss (ft)                     Cum SA (acres)           2580.04      89.89
 919.08


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 13504

INPUT
Description:
Station Elevation Data    num=      18
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     800     670    2000     650    2750     650    3200     662
    4100     662    4400     670    5100     670    6200     660    6900     632
    8300     620    8350     606    8450     606    8500     620    9600     620
   10000     630   10600     770   10800     770

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8300     .15    8500     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8300    8500              450     450     450             .1       .3
Ineffective Flow     num=       1
```

Sta L	Sta R	Elev	Permanent
0	4350	670	F

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	450.00	450.00	450.00
Crit W.S. (ft)		Flow Area (sq ft)	855182.10	30162.22	244854.50
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	855182.10	30162.22	244854.50
Q Total (cfs)	5456.03	Flow (cfs)	4012.71	180.77	1262.55
Top Width (ft)	10558.48	Top Width (ft)	8300.00	200.00	2058.48
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.01	0.01
Max Chl Dpth (ft)	154.31	Hydr. Depth (ft)	103.03	150.81	118.95
Conv. Total (cfs)	252286500.0	Conv. (cfs)	185547400.0	8358748.0	58380370.0
Length Wtd. (ft)	450.00	Wetted Per. (ft)	8342.96	203.85	2073.60
Min Ch El (ft)	606.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	287956.50	14565.37	106847.60
C & E Loss (ft)		Cum SA (acres)	2501.54	87.49	898.00

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 13054

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	1100	670	1500	660	2000	650	2700	650
2900	660	3200	660	3700	670	5200	670	6100	660
6800	640	7200	628	7500	628	8300	620	8350	604
8450	604	8500	620	9600	620	10000	630	10600	770
10800	770								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	8300	.15	8500	.15

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.

```
          8300    8500              341     341     341             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4350     670       F

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)           341.00     341.00
 341.00
  Crit W.S. (ft)                      Flow Area (sq ft)       836381.10   30462.20
244854.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            836381.10   30462.20
244854.20
  Q Total (cfs)            5454.86    Flow (cfs)               3970.48     187.99
1296.38
  Top Width (ft)          10558.48    Top Width (ft)           8300.00     200.00
2058.48
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.01
   0.01
  Max Chl Dpth (ft)         156.31    Hydr. Depth (ft)          100.77     152.31
 118.95
  Conv. Total (cfs)       245650300.0    Conv. (cfs)             178804000.0
8465970.0   58380290.0
  Length Wtd. (ft)          341.00    Wetted Per. (ft)         8342.58     205.00
2073.60
  Min Ch El (ft)            604.00    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    279219.10   14252.23
104318.10
  C & E Loss (ft)                     Cum SA (acres)           2415.80      85.43
 876.74


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 12713

INPUT
Description:
Station Elevation Data    num=      19
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     800     670    1700     655    2000     652    2400     655
    3200     670    3600     670    4000     675    4800     675    5800     660
    7100     630    7600     630    8200     620    8250     603    8350     603
    8400     620    9500     620    9800     630   10200     765

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8200     .15    8400     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8200    8400              412     412     412             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4200     670       F

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)           412.00     412.00
 412.00
  Crit W.S. (ft)                      Flow Area (sq ft)       821849.90   30612.20
220092.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            821849.90   30612.20
220092.30
  Q Total (cfs)            5453.98    Flow (cfs)               4026.22     195.92
1231.84
  Top Width (ft)          10186.11    Top Width (ft)           8200.00     200.00
1786.11
  Vel Total (ft/s)            0.01    Avg. Vel. (ft/s)            0.00       0.01
   0.01
  Max Chl Dpth (ft)         157.31    Hydr. Depth (ft)          100.23     153.06
 123.22
  Conv. Total (cfs)       237133300.0    Conv. (cfs)             175056000.0
8518210.0   53559020.0
  Length Wtd. (ft)          412.00    Wetted Per. (ft)         8242.74     205.62
1807.67
  Min Ch El (ft)            603.00    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.02    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    272728.50   14013.17
102498.20
  C & E Loss (ft)                     Cum SA (acres)           2351.22      83.86
 861.69



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 12301

INPUT
Description:
Station Elevation Data    num=      24
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680     950     660    2200     660    2800     662
    3200     670    3600     670    4000     680    4800     680    6000     650
    7200     632    7600     632    8300     620    8450     620    8600     601
    8750     601    8800     620    9200     620    9300     610    9500     610
    9650     620    9800     620   10400     760   10600     760

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
```

```
       0     .15    8450     .15    8800     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8450    8800              736     736     736             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4200     670       F

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)           736.00     736.00
 736.00
  Crit W.S. (ft)                      Flow Area (sq ft)       848927.70   53858.84
185809.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            848927.70   53858.84
185809.70
  Q Total (cfs)            5452.92    Flow (cfs)               4175.13     350.05
 927.75
  Top Width (ft)          10600.00    Top Width (ft)           8450.00     350.00
1800.00
  Vel Total (ft/s)            0.01    Avg. Vel. (ft/s)            0.00       0.01
   0.00
  Max Chl Dpth (ft)         159.31    Hydr. Depth (ft)          100.46     153.88
 103.23
  Conv. Total (cfs)       236558900.0    Conv. (cfs)             181125600.0
15185720.0   40247600.0
  Length Wtd. (ft)          736.00    Wetted Per. (ft)         8493.04     354.69
1817.26
  Min Ch El (ft)            601.00    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.02    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    264827.20   13613.70
100578.70
  C & E Loss (ft)                     Cum SA (acres)           2272.48      81.26
 844.73



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 11565

INPUT
Description:
Station Elevation Data    num=      23
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     800     668     850     670    1200     670    2000     660
    2800     660    3200     670    3900     680    5200     680    5900     650
    6800     632    7100     628    7400     628    8300     622    8500     618
    8800     618    9000     617    9050     600    9200     600    9400     620
   10100     620   10800     730   11600     755
```

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	9000	.15	9400	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
9000	9400	154	154	154	.1	.3

Ineffective Flow num= 1

Sta L	Sta R	Elev	Permanent
0	3200	670	F

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	154.00	154.00	154.00
Crit W.S. (ft)		Flow Area (sq ft)	921948.10	61699.37	172184.00
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	921948.10	61699.37	172184.00
Q Total (cfs)	5451.43	Flow (cfs)	4383.75	384.21	683.46
Top Width (ft)	11600.00	Top Width (ft)	9000.00	400.00	2200.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.01	0.00
Max Chl Dpth (ft)	160.31	Hydr. Depth (ft)	102.44	154.25	78.27
Conv. Total (cfs)	247854600.0	Conv. (cfs)	199311800.0	17468470.0	31074350.0
Length Wtd. (ft)	154.00	Wetted Per. (ft)	9043.21	403.81	2214.29
Min Ch El (ft)	600.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.03	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	249866.70	12637.45	97554.29
C & E Loss (ft)		Cum SA (acres)	2125.06	74.92	810.94

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 11411

INPUT
Description:
Station Elevation Data num= 23

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	675	1000	670	1400	670	2000	660
2800	660	3200	670	3900	680	5200	680	5900	650
6800	632	7100	628	7400	628	8300	622	8500	618
8800	618	9000	617	9050	599	9200	599	9400	620

```
   10100     620   10800     730   11600     755

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9000     .15    9400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9000    9400              409     409     409              .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    3400     670       F

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)           409.00     409.00
 409.00
  Crit W.S. (ft)                      Flow Area (sq ft)       922598.10   61974.37
172184.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            922598.10   61974.37
172184.00
  Q Total (cfs)            5451.15    Flow (cfs)               4382.46     386.22
 682.46
  Top Width (ft)          11600.00    Top Width (ft)           9000.00     400.00
2200.00
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.01
   0.00
  Max Chl Dpth (ft)         161.31    Hydr. Depth (ft)          102.51     154.94
  78.27
  Conv. Total (cfs)       248206100.0    Conv. (cfs)             199545900.0
17585870.0   31074350.0
  Length Wtd. (ft)          409.00    Wetted Per. (ft)         9043.22     404.24
2214.29
  Min Ch El (ft)            599.00    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.03    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    246606.10   12418.84
96945.55
  C & E Loss (ft)                     Cum SA (acres)           2093.24      73.51
 803.16


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 11002

INPUT
Description:
Station Elevation Data    num=      18
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     740     100     740    1300     660    2400     655    3600     680
    4500     680    5200     650    6400     630    6800     630    8100     620
```

8200	618	8250	601	8400	598	8500	598	8900	620
9400	620	10200	730	10800	760				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	8200	.15	8500	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
8200	8500	424	424	424	.1	.3

Ineffective Flow num= 1

Sta L	Sta R	Elev	Permanent
0	3550	670	F

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	424.00	424.00	424.00
Crit W.S. (ft)		Flow Area (sq ft)	824399.40	47893.27	208115.10
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	824399.40	47893.27	208115.10
Q Total (cfs)	4471.57	Flow (cfs)	3403.31	267.94	800.32
Top Width (ft)	10800.00	Top Width (ft)	8200.00	300.00	2300.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.01	0.00
Max Chl Dpth (ft)	162.31	Hydr. Depth (ft)	100.54	159.64	90.48
Conv. Total (cfs)	231543700.0	Conv. (cfs)	176227600.0	13874530.0	41441600.0
Length Wtd. (ft)	424.00	Wetted Per. (ft)	8224.11	302.84	2309.19
Min Ch El (ft)	598.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.02	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	238404.50	11903.04	95160.17
C & E Loss (ft)		Cum SA (acres)	2012.49	70.22	782.03

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 10578

INPUT
Description:
Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	750	400	720	800	720	1800	660	2000	660

```
    2400     650    3700     660    4100     680    4500     680    5200     650
    6400     630    7200     630    7600     622    8400     620    8500     597
    8600     597    8650     610    9400     620    9900     620   10400     710
   10800     750

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8400     .15    8650     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8400    8650              266     266     266              .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4200     670       F

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)           266.00     266.00
 266.00
  Crit W.S. (ft)                      Flow Area (sq ft)       844410.60   39352.70
238918.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            844410.60   39352.70
238918.20
  Q Total (cfs)            4435.59    Flow (cfs)               3253.90     202.43
 979.26
  Top Width (ft)          10800.00    Top Width (ft)           8400.00     250.00
2150.00
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.01
   0.00
  Max Chl Dpth (ft)         163.31    Hydr. Depth (ft)          100.53     157.41
 111.12
  Conv. Total (cfs)       246232200.0    Conv. (cfs)             180633400.0
11237270.0   54361530.0
  Length Wtd. (ft)          266.00    Wetted Per. (ft)         8414.79     254.27
2170.41
  Min Ch El (ft)            597.00    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    230282.70   11478.43
92984.53
  C & E Loss (ft)                     Cum SA (acres)           1931.70      67.55
 760.38


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 10312

INPUT
Description:
Station Elevation Data    num=      24
```

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	730	400	710	600	710	700	700	1100	700
2400	660	2600	650	3600	650	4400	680	4800	680
5600	648	6200	630	7400	630	8000	620	8400	620
8600	610	8650	596	8700	596	8750	610	9300	615
9700	620	10200	620	10800	710	11700	750		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	8600	.15	8750	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
8600	8750	289	289	289	.1	.3

Ineffective Flow num= 1

Sta L	Sta R	Elev	Permanent
0	4400	670	F

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	289.00	289.00	289.00
Crit W.S. (ft)		Flow Area (sq ft)	872572.80	23946.62	293041.80
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	872572.80	23946.62	293041.80
Q Total (cfs)	4412.68	Flow (cfs)	3227.39	118.12	1067.17
Top Width (ft)	11700.00	Top Width (ft)	8600.00	150.00	2950.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	164.31	Hydr. Depth (ft)	101.46	159.64	99.34
Conv. Total (cfs)	256419200.0	Conv. (cfs)	187542300.0	6864149.0	62012710.0
Length Wtd. (ft)	289.00	Wetted Per. (ft)	8633.98	153.85	2967.97
Min Ch El (ft)	596.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	225040.30	11285.16	91360.32
C & E Loss (ft)		Cum SA (acres)	1879.80	66.33	744.80

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 10023

INPUT

Description:

Station Elevation Data num= 24

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	730	800	680	1600	658	2200	649	2800	645
3100	649	3500	680	3700	680	4000	660	5200	630
5800	630	6000	628	6000	630	6600	630	7200	620
7400	610	7450	595	7575	595	7600	610	7800	612
8500	615	8900	620	9300	620	10400	745		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	7400	.15	7600	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
7400	7600	832	832	832	.1	.3

Ineffective Flow num= 1

Sta L	Sta R	Elev	Permanent
0	3550	670	F

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	832.00	832.00	832.00
Crit W.S. (ft)		Flow Area (sq ft)	796099.90	32499.66	331470.20
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	796099.90	32499.66	331470.20
Q Total (cfs)	5450.29	Flow (cfs)	3643.95	192.43	1613.90
Top Width (ft)	10400.00	Top Width (ft)	7400.00	200.00	2800.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.01	0.00
Max Chl Dpth (ft)	165.31	Hydr. Depth (ft)	107.58	162.50	118.38
Conv. Total (cfs)	265931600.0	Conv. (cfs)	177796500.0	9389088.0	78746000.0
Length Wtd. (ft)	832.00	Wetted Per. (ft)	7436.87	206.36	2822.44
Min Ch El (ft)	595.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	219504.90	11097.91	89288.65
C & E Loss (ft)		Cum SA (acres)	1826.72	65.17	725.73

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 9191

INPUT
Description:
Station Elevation Data num= 25

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	730	400	720	800	730	2000	677	3600	640
4400	640	4600	654	5200	640	5600	640	6300	630
6400	630	6800	620	7100	620	7950	612	8050	612
8200	610	8250	594	8300	594	8350	610	9800	618
10000	620	10300	630	10900	700	11100	690	11900	740

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	8250	.15	8350	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
8250	8350	382	382	382	.1	.3

Ineffective Flow num= 1

Sta L	Sta R	Elev	Permanent
0	4660	670	F

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	382.00	382.00	382.00
Crit W.S. (ft)		Flow Area (sq ft)	859113.60	16231.07	387503.10
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	859113.60	16231.07	387503.10
Q Total (cfs)	4316.99	Flow (cfs)	2898.23	72.62	1346.14
Top Width (ft)	11900.00	Top Width (ft)	8250.00	100.00	3550.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	166.31	Hydr. Depth (ft)	104.14	162.31	109.16
Conv. Total (cfs)	279783500.0	Conv. (cfs)	187833800.0	4706233.0	87243420.0
Length Wtd. (ft)	382.00	Wetted Per. (ft)	8285.56	102.50	3576.39
Min Ch El (ft)	594.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.00	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	203697.50	10632.53	82422.42
C & E Loss (ft)		Cum SA (acres)	1677.26	62.30	665.09

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 8809

INPUT
Description:
Station Elevation Data num= 33

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	728	800	700	950	700	1000	690	1600	690
1625	680	2000	680	3200	650	3500	650	4000	640
4400	640	4700	630	5000	628	5200	632	5600	630
6000	628	6500	628	6600	623	7200	618	8400	616
8800	610	9000	610	9100	593	9150	593	9200	610
10900	620	11200	630	11300	630	11600	700	11900	700
12100	680	12800	735	13000	730				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	9000	.15	9200	.15

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
9000 9200 527 527 527 .1 .3
Ineffective Flow num= 1

Sta L	Sta R	Elev	Permanent
0	5800	670	F

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	527.00	527.00	527.00
Crit W.S. (ft)		Flow Area (sq ft)	1008572.00	32187.15	403930.80
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1008572.00	32187.15	403930.80
Q Total (cfs)	4282.21	Flow (cfs)	3004.98	120.70	1156.53
Top Width (ft)	13000.00	Top Width (ft)	9000.00	200.00	3800.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	167.31	Hydr. Depth (ft)	112.06	160.94	106.30
Conv. Total (cfs)	330043500.0	Conv. (cfs)	231603400.0	9302637.0	89137460.0
Length Wtd. (ft)	527.00	Wetted Per. (ft)	9036.61	204.25	3841.78
Min Ch El (ft)	593.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	195508.20	10420.23	78952.18
C & E Loss (ft)		Cum SA (acres)	1601.63	60.99	632.86

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 8282

INPUT
Description:
Station Elevation Data num= 31

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	725	800	705	1000	708	1400	690	1500	690
1900	700	2800	660	3100	660	3200	656	4000	640
4500	640	4800	630	6400	630	6700	619	7200	611
7600	611	8500	609	9100	609	9150	592	9200	592
9250	609	9600	609	10800	620	11400	640	11600	665
11700	648	11700	650	12100	650	12200	660	12400	660
13200	720								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	9100	.15	9250	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
9100	9250	604	604	604	.1	.3

Ineffective Flow num= 1

Sta L	Sta R	Elev	Permanent
0	6000	670	F

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	604.00	604.00	604.00
Crit W.S. (ft)		Flow Area (sq ft)	1012577.00	24396.59	469026.90
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1012577.00	24396.59	469026.90
Q Total (cfs)	4231.04	Flow (cfs)	2799.27	84.99	1346.77
Top Width (ft)	13200.00	Top Width (ft)	9100.00	150.00	3950.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	168.31	Hydr. Depth (ft)	111.27	162.64	118.74
Conv. Total (cfs)	349779600.0	Conv. (cfs)	231415900.0	7026492.0	111337200.0
Length Wtd. (ft)	604.00	Wetted Per. (ft)	9137.68	155.62	3998.43
Min Ch El (ft)	592.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.00	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	183282.00	10077.95	73671.55
C & E Loss (ft)		Cum SA (acres)	1492.14	58.87	585.98

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 7678

INPUT
Description:
Station Elevation Data num= 29

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	400	704	800	718	2000	665	2400	665
3200	640	3500	640	4000	630	5000	630	5100	624
5500	630	5900	620	6700	614	7600	614	8000	605
8350	600	8400	591	8600	591	8700	600	8800	609
9600	609	10300	620	10500	620	10800	636	11000	631
12000	696	12400	670	12600	670	13000	706		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	8350	.15	8700	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
8350	8700	308	308	308	.1	.3

Ineffective Flow num= 1

Sta L	Sta R	Elev	Permanent
0	5200	670	F

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	308.00	308.00	308.00
Crit W.S. (ft)		Flow Area (sq ft)	957718.60	58583.71	506535.60
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	957718.60	58583.71	506535.60
Q Total (cfs)	4171.52	Flow (cfs)	2584.46	203.63	1383.42
Top Width (ft)	13000.00	Top Width (ft)	8350.00	350.00	4300.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	169.31	Hydr. Depth (ft)	114.70	167.38	117.80
Conv. Total (cfs)	360255700.0	Conv. (cfs)	223196500.0	17585550.0	119473600.0
Length Wtd. (ft)	308.00	Wetted Per. (ft)	8393.05	351.21	4359.86
Min Ch El (ft)	591.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	169622.00	9502.65	66908.01

C & E Loss (ft)		Cum SA (acres)	1371.16	55.40 528.78

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 7370

INPUT
Description:
Station Elevation Data num= 26

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	715	800	671	1000	670	1200	670	1600	650
2000	640	2400	640	2800	630	3800	630	4200	620
4800	620	5000	610	6400	610	7100	600	7550	600
7600	590	7700	590	7800	600	8200	600	8300	610
8800	610	9700	620	10700	670	11000	680	11600	730
12000	730								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	7550	.15	7800	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
7550	7800	671	671	671	.1	.3

Ineffective Flow num= 1

Sta L	Sta R	Elev	Permanent
0	4000	670	F

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	671.00	671.00	671.00
Crit W.S. (ft)		Flow Area (sq ft)	963344.10	41827.62	471804.00
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	963344.10	41827.62	471804.00
Q Total (cfs)	4141.65	Flow (cfs)	2758.61	143.53	1239.52
Top Width (ft)	12000.00	Top Width (ft)	7550.00	250.00	4200.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	170.31	Hydr. Depth (ft)	127.60	167.31	112.33
Conv. Total (cfs)	361605500.0	Conv. (cfs)	240852400.0	12531310.0	108221800.0
Length Wtd. (ft)	671.00	Wetted Per. (ft)	7597.72	251.49	4234.36
Min Ch El (ft)	590.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	

```
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    162830.30    9147.66
63449.23
  C & E Loss (ft)                     Cum SA (acres)           1314.94      53.28
 498.73


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 6699

INPUT
Description:
Station Elevation Data    num=      26
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     716     800     676    1600     650    1800     650    2200     640
    2600     640    3000     629    3600     629    3800     632    4400     620
    4800     620    5200     614    5400     614    5600     610    6900     610
    7400     605    7700     600    8000     600    8100     589    8300     589
    8400     600    8800     610    9600     610   10800     638   11400     638
   12200     720

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8000     .15    8400     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8000    8400              838     838     838             .1       .3
Ineffective Flow     num=       1
   Sta L   Sta R    Elev  Permanent
       0    4000     670       F

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)           838.00     838.00
 838.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1020884.00   67424.20
 484379.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1020884.00   67424.20
 484379.80
  Q Total (cfs)            4076.52    Flow (cfs)               2626.82     209.24
1240.46
  Top Width (ft)          12200.00    Top Width (ft)           8000.00     400.00
3800.00
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         171.31    Hydr. Depth (ft)          127.61     168.56
 127.47
  Conv. Total (cfs)       396271800.0    Conv. (cfs)             255348700.0
20340030.0   120583100.0
  Length Wtd. (ft)          838.00    Wetted Per. (ft)         8046.30     401.21
3844.95
```

Min Ch El (ft)	589.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	147547.80	8306.20	56084.68
C & E Loss (ft)		Cum SA (acres)	1195.18	48.27	437.12

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 5861

INPUT
Description:
Station Elevation Data num= 32

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	718	800	680	1600	652	2000	640	2200	640
2400	645	2700	645	3000	638	3300	638	3400	640
4000	640	4100	630	4400	630	4800	620	6400	610
7400	610	8000	600	8350	600	8400	588	8600	588
8700	600	9100	600	9600	610	10700	610	10900	620
11100	620	11200	628	11300	620	11700	620	11800	630
12400	630	13200	733						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	8350	.15	8700	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
8350	8700	667	667	667	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	667.00	667.00	667.00
Crit W.S. (ft)		Flow Area (sq ft)	1046942.00	59408.65	602396.90
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1046942.00	59408.65	602396.90
Q Total (cfs)	3990.30	Flow (cfs)	2390.16	165.90	1434.25
Top Width (ft)	13200.00	Top Width (ft)	8350.00	350.00	4500.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	172.31	Hydr. Depth (ft)	125.38	169.74	133.87
Conv. Total (cfs)	432195700.0	Conv. (cfs)	258882000.0	17968510.0	155345200.0
Length Wtd. (ft)	667.00	Wetted Per. (ft)	8394.79	352.14	

4535.40					
Min Ch El (ft)	588.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	127657.50	7086.21	45631.07
C & E Loss (ft)		Cum SA (acres)	1037.91	41.06	357.28

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 5194

INPUT
Description:
Station Elevation Data num= 31

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	718	800	678	900	670	1200	670	1500	660
1600	660	2000	642	2200	642	2400	649	2800	642
3200	642	3800	640	4000	640	4200	642	5100	618
5300	618	6000	612	6400	610	8200	610	8250	587
8400	587	8650	598	8800	600	9700	600	10000	610
10400	610	10600	615	10800	615	11000	620	11600	710
12000	750								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	8200	.15	8650	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
8200	8650	474	474	474	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	474.00	474.00	474.00
Crit W.S. (ft)		Flow Area (sq ft)	1005046.00	76039.70	431689.90
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1005046.00	76039.70	431689.90
Q Total (cfs)	3923.88	Flow (cfs)	2552.37	238.21	1133.30
Top Width (ft)	12000.00	Top Width (ft)	8200.00	450.00	3350.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	173.31	Hydr. Depth (ft)	122.57	168.98	128.86
Conv. Total (cfs)	376299900.0	Conv. (cfs)	244772100.0	22844760.0	108683100.0

Length Wtd. (ft)	474.00	Wetted Per. (ft)	8244.75	455.28	3369.32
Min Ch El (ft)	587.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	111947.30	6049.20	37713.99
C & E Loss (ft)		Cum SA (acres)	911.20	34.93	297.18

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 4720

INPUT
Description:
Station Elevation Data num= 31

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	718	1000	670	1400	660	1800	660	2000	650
2300	650	2500	655	2700	655	2800	650	3200	650
3600	645	3900	640	4000	640	4200	650	4400	650
4450	640	5200	615	5400	615	6500	612	6700	612
6800	610	8700	610	8800	585	8900	585	9100	600
9600	600	10800	610	11600	620	12000	710	13000	760
13200	760								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	8700	.15	9100	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
8700	9100	46.5	46.5	46.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	46.50	46.50	46.50
Crit W.S. (ft)		Flow Area (sq ft)	1059976.00	67374.17	446272.80
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1059976.00	67374.17	446272.80
Q Total (cfs)	3879.58	Flow (cfs)	2639.45	207.67	1032.46
Top Width (ft)	13200.00	Top Width (ft)	8700.00	400.00	4100.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	175.31	Hydr. Depth (ft)	121.84	168.44	108.85
Conv. Total (cfs)	377981100.0	Conv. (cfs)	257156800.0		

```
20233170.0   100591100.0
  Length Wtd. (ft)           46.50    Wetted Per. (ft)         8745.78     403.64
4111.66
  Min Ch El (ft)            585.00    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    100712.00    5268.92
32937.20
  C & E Loss (ft)                     Cum SA (acres)            819.25      30.31
 256.64


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 4673.5*

INPUT
Description:
Station Elevation Data    num=      50
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   718.2  760.87  681.52 1005.75  669.97 1236.41  663.84 1331.52  661.91
 1408.05  660.23 1616.85   660.3 1810.34  659.42 1902.17  654.89 2011.49     650
 2092.39     650  2187.5     651 2313.22     651 2472.83  654.57 2514.37  655.44
 2715.52  655.14 2816.09  650.48 3218.39  649.88 3620.69  644.78 3804.35  641.76
 3922.41     640 4022.99     640 4224.14     649    4375     649 4425.29  648.95
 4475.57  639.89 4565.22  637.13 4755.43  629.65 5229.89  615.08 5326.09     615
 5431.03  614.93 6086.96   612.9 6537.36   611.8 6657.61   611.8 6738.51  611.71
 6839.08  609.81 6847.83   609.8    8750   609.8    8860   584.9    8960   584.9
    9170     600 9651.71  600.21 10807.8  609.7211448.85  617.4911578.54  619.28
11904.62  688.54 11963.9  701.5912816.15  749.8112927.32  756.28   13120   758.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8750     .15    9170     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8750    9170             46.5    46.5    46.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            46.50      46.50
  46.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1067186.00   70717.38
 438647.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1067186.00   70717.38
 438647.70
  Q Total (cfs)            3875.26    Flow (cfs)               2638.60     216.39
1020.26
  Top Width (ft)          13120.00    Top Width (ft)           8750.00     420.00
3950.00
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
```

```
   0.00
  Max Chl Dpth (ft)         175.41    Hydr. Depth (ft)          121.96     168.37
 111.05
  Conv. Total (cfs)       380537000.0    Conv. (cfs)             259102000.0
21248650.0   100186300.0
  Length Wtd. (ft)           46.50    Wetted Per. (ft)         8795.29     423.33
3962.17
  Min Ch El (ft)            584.90    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    99576.63    5195.21
32464.88
  C & E Loss (ft)                     Cum SA (acres)            809.94      29.87
 252.35


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 4627.*

INPUT
Description:
Station Elevation Data    num=      50
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   718.4  765.22  681.35 1011.49  669.94 1243.48  663.41 1339.13  661.92
 1416.09  660.45 1626.09   660.6 1820.69  658.84 1913.04  654.35 2022.99     650
 2104.35     650    2200     652 2326.44     652 2486.96  655.17 2528.74  655.88
 2731.03  655.27 2832.18  650.97 3236.78  649.76 3641.38  644.55 3826.09  641.57
 3944.83     640 4045.98     640 4248.28     648    4400     648 4450.57  647.89
 4501.15  639.79  4591.3  637.22 4782.61  628.58 5259.77  615.17 5356.52     615
 5462.07  614.86 6121.74  612.58 6574.71   611.6 6695.65   611.6 6777.01  611.43
 6878.16  609.62 6886.96   609.6    8800   609.6    8920   584.8    9020   584.8
    9240     600 9703.42  600.4210815.61  609.4411432.31  616.6511557.07  618.57
11870.77  680.92 11927.8  693.1712747.69  745.3812854.63  752.56   13040     757

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8800     .15    9240     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8800    9240             46.5    46.5    46.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            46.50      46.50
  46.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1074409.00   74064.59
 430373.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1074409.00   74064.59
 430373.30
  Q Total (cfs)            3870.88    Flow (cfs)               2639.13     225.09
```

```
1006.67
  Top Width (ft)          13040.00    Top Width (ft)           8800.00     440.00
3800.00
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         175.51    Hydr. Depth (ft)          122.09     168.33
 113.26
  Conv. Total (cfs)       382890800.0    Conv. (cfs)             261051300.0
22264510.0   99575030.0
  Length Wtd. (ft)           46.50    Wetted Per. (ft)         8844.86     443.06
3812.80
  Min Ch El (ft)            584.80    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    98433.56    5117.93
32001.04
  C & E Loss (ft)                     Cum SA (acres)            800.57      29.41
 248.21
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 4580.5*

INPUT
Description:
Station Elevation Data num= 50

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	718.6	769.57	681.18	1017.24	669.91	1250.54	662.99	1346.74	661.93
1424.14	660.68	1635.33	660.9	1831.03	658.26	1923.91	653.8	2034.48	650
2116.3	650	2212.5	653	2339.66	653	2501.09	655.78	2543.1	656.31
2746.55	655.41	2848.28	651.45	3255.17	649.64	3662.07	644.33	3847.83	641.37
3967.24	640	4068.97	640	4272.41	647	4425	647	4475.86	646.84
4526.72	639.68	4617.39	637.32	4809.78	627.51	5289.66	615.25	5386.96	615
5493.1	614.79	6156.52	612.25	6612.07	611.4	6733.7	611.4	6815.52	611.14
6917.24	609.43	6926.09	609.4	8850	609.4	8980	584.7	9080	584.7
9310	600	9755.12	600.63	10823.42	609.16	11415.77	615.82	11535.61	617.85
11836.92	673.31	11891.71	684.76	12679.23	740.96	12781.95	748.84	12960	755.5

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	8850	.15	9310	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
8850	9310	46.5	46.5	46.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            46.50      46.50
  46.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1081650.00   77415.79
```

```
 421426.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1081650.00   77415.79
 421426.00
  Q Total (cfs)            3866.46    Flow (cfs)               2641.11     233.79
 991.57
  Top Width (ft)          12960.00    Top Width (ft)           8850.00     460.00
3650.00
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         175.61    Hydr. Depth (ft)          122.22     168.30
 115.46
  Conv. Total (cfs)       385030400.0    Conv. (cfs)             263007100.0
23281070.0   98742220.0
  Length Wtd. (ft)           46.50    Wetted Per. (ft)         8894.49     462.83
3663.57
  Min Ch El (ft)            584.70    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    97282.77    5037.08
31546.39
  C & E Loss (ft)                     Cum SA (acres)            791.15      28.93
 244.23


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 4534.*

INPUT
Description:
Station Elevation Data    num=      50
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   718.8  773.91  681.01 1022.99  669.88 1257.61  662.56 1354.35  661.94
 1432.18  660.91 1644.57   661.2 1841.38  657.67 1934.78  653.26 2045.98     650
 2128.26     650    2225     654 2352.87     654 2515.22  656.38 2557.47  656.75
 2762.07  655.54 2864.37  651.94 3273.56  649.52 3682.76   644.1 3869.57  641.17
 3989.66     640 4091.95     640 4296.55     646    4450     646 4501.15  645.79
  4552.3  639.58 4643.48  637.42 4836.96  626.43 5319.54  615.34 5417.39     615
 5524.14  614.72  6191.3  611.93 6649.43   611.2 6771.74   611.2 6854.02  610.86
 6956.32  609.24 6965.22   609.2    8900   609.2    9040   584.6    9140   584.6
    9380     600 9806.83  600.8510831.22  608.8711399.23  614.9911514.15  617.14
11803.08  665.6911855.61  676.3412610.77  736.5412709.27  745.12   12880     754

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8900     .15    9380     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8900    9380             46.5    46.5    46.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
```

```
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            46.50      46.50
  46.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1088901.00   80771.02
 411822.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1088901.00   80771.02
 411822.20
  Q Total (cfs)            3862.04    Flow (cfs)               2644.53     242.52
 974.99
  Top Width (ft)          12880.00    Top Width (ft)           8900.00     480.00
3500.00
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         175.71    Hydr. Depth (ft)          122.35     168.27
 117.66
  Conv. Total (cfs)       386953400.0    Conv. (cfs)             264966300.0
24298630.0   97688470.0
  Length Wtd. (ft)           46.50    Wetted Per. (ft)         8944.18     482.64
3514.51
  Min Ch El (ft)            584.60    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    96124.25    4952.65
31101.65
  C & E Loss (ft)                     Cum SA (acres)            781.67      28.43
 240.42


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 4487.5*

INPUT
Description:
Station Elevation Data    num=      50
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     719  778.26  680.84 1028.74  669.85 1264.67  662.13 1361.96  661.95
 1440.23  661.13  1653.8   661.5 1851.72  657.09 1945.65  652.72 2057.47     650
 2140.22     650  2237.5     655 2366.09     655 2529.35  656.98 2571.84  657.19
 2777.59  655.68 2880.46  652.42 3291.95   649.4 3703.45  643.88  3891.3  640.98
 4012.07     640 4114.94     640 4320.69     645    4475     645 4526.44  644.74
 4577.87  639.47 4669.57  637.51 4864.13  625.36 5349.43  615.42 5447.83     615
 5555.17  614.66 6226.09  611.61 6686.78     611 6809.78     611 6892.53  610.57
  6995.4  609.05 7004.35     609    8950     609    9100   584.5    9200   584.5
    9450     600 9858.54  601.0610839.02  608.5911382.69  614.1611492.68  616.42
11769.23  658.0811819.51  667.9312542.31  732.1212636.59   741.4   12800   752.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    8950     .15    9450     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          8950    9450             46.5    46.5    46.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
```

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	46.50	46.50	46.50
Crit W.S. (ft)		Flow Area (sq ft)	1096160.00	84130.21	401552.30
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1096160.00	84130.21	401552.30
Q Total (cfs)	3857.60	Flow (cfs)	2649.44	251.29	956.87
Top Width (ft)	12800.00	Top Width (ft)	8950.00	500.00	3350.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	175.81	Hydr. Depth (ft)	122.48	168.26	119.87
Conv. Total (cfs)	388649300.0	Conv. (cfs)	266928000.0	25317360.0	96404020.0
Length Wtd. (ft)	46.50	Wetted Per. (ft)	8993.93	502.47	3365.65
Min Ch El (ft)	584.50	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	94957.98	4864.64	30667.51
C & E Loss (ft)		Cum SA (acres)	772.15	27.91	236.76

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 4441.*

INPUT
Description:
Station Elevation Data num= 50

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	719.2	782.61	680.67	1034.48	669.82	1271.74	661.71	1369.57	661.96
1448.28	661.36	1663.04	661.8	1862.07	656.51	1956.52	652.17	2068.97	650
2152.17	650	2250	656	2379.31	656	2543.48	657.59	2586.21	657.63
2793.1	655.81	2896.55	652.91	3310.34	649.28	3724.14	643.66	3913.04	640.78
4034.48	640	4137.93	640	4344.83	644	4500	644	4551.72	643.68
4603.45	639.37	4695.65	637.61	4891.3	624.29	5379.31	615.51	5478.26	615
5586.21	614.59	6260.87	611.29	6724.14	610.8	6847.83	610.8	6931.03	610.29
7034.48	608.86	7043.48	608.8	9000	608.8	9160	584.4	9260	584.4
9520	600	9910.24	601.27	10846.83	608.31	11366.15	613.33	11471.22	615.71
11735.38	650.46	11783.42	659.51	12473.85	727.69	12563.9	737.68	12720	751

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	9000	.15	9520	.15

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.

```
          9000    9520             46.5    46.5    46.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            46.50      46.50
  46.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1103426.00   87493.35
 390629.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1103426.00   87493.35
 390629.00
  Q Total (cfs)            3853.16    Flow (cfs)               2655.82     260.13
 937.20
  Top Width (ft)          12720.00    Top Width (ft)           9000.00     520.00
3200.00
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         175.91    Hydr. Depth (ft)          122.60     168.26
 122.07
  Conv. Total (cfs)       390117300.0    Conv. (cfs)             268891800.0
26337390.0   94888090.0
  Length Wtd. (ft)           46.50    Wetted Per. (ft)         9043.73     522.32
3216.99
  Min Ch El (ft)            584.40    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    93783.96    4773.03
30244.69
  C & E Loss (ft)                     Cum SA (acres)            762.57      27.36
 233.27


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 4394.5*

INPUT
Description:
Station Elevation Data    num=      50
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   719.4  786.96  680.51 1040.23  669.79  1278.8  661.28 1377.17  661.97
 1456.32  661.59 1672.28   662.1 1872.41  655.93 1967.39  651.63 2080.46     650
 2164.13     650  2262.5     657 2392.53     657 2557.61  658.19 2600.57  658.06
 2808.62  655.95 2912.64  653.39 3328.74  649.16 3744.83  643.43 3934.78  640.59
  4056.9     640 4160.92     640 4368.97     643    4525     643 4577.01  642.63
 4629.02  639.26 4721.74  637.71 4918.48  623.22  5409.2  615.59  5508.7     615
 5617.24  614.52 6295.65  610.97 6761.49   610.6 6885.87   610.6 6969.54     610
 7073.56  608.66 7082.61   608.6    9050   608.6    9220   584.3    9320   584.3
    9590     600 9961.95  601.4810854.63  608.0311349.62   612.511449.76  614.99
11701.54  642.8511747.32   651.112405.38  723.2712491.22  733.96   12640   749.5

Manning's n Values        num=       3
```

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	9050	.15	9590	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
9050	9590	46.5	46.5	46.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	46.50	46.50	46.50
Crit W.S. (ft)		Flow Area (sq ft)	1110711.00	90860.57	379037.20
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1110711.00	90860.57	379037.20
Q Total (cfs)	3848.71	Flow (cfs)	2663.78	269.06	915.87
Top Width (ft)	12640.00	Top Width (ft)	9050.00	540.00	3050.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	176.01	Hydr. Depth (ft)	122.73	168.26	124.27
Conv. Total (cfs)	391349700.0	Conv. (cfs)	270862400.0	27358890.0	93128340.0
Length Wtd. (ft)	46.50	Wetted Per. (ft)	9093.60	542.18	3068.58
Min Ch El (ft)	584.30	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	92602.17	4677.84	29833.88
C & E Loss (ft)		Cum SA (acres)	752.93	26.80	229.93

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 4348.*

INPUT
Description:
Station Elevation Data num= 50

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	719.6	791.3	680.34	1045.98	669.76	1285.87	660.85	1384.78	661.98
1464.37	661.81	1681.52	662.4	1882.76	655.35	1978.26	651.09	2091.95	650
2176.09	650	2275	658	2405.75	658	2571.74	658.79	2614.94	658.5
2824.14	656.08	2928.74	653.88	3347.13	649.04	3765.52	643.21	3956.52	640.39
4079.31	640	4183.91	640	4393.1	642	4550	642	4602.3	641.58
4654.6	639.15	4747.83	637.81	4945.65	622.14	5439.08	615.67	5539.13	615
5648.28	614.45	6330.43	610.64	6798.85	610.4	6923.91	610.4	7008.05	609.72
7112.64	608.47	7121.74	608.4	9100	608.4	9280	584.2	9380	584.2

```
    9660     60010013.66  601.6910862.44  607.7511333.08  611.6611428.29  614.28
11667.69  635.2311711.22  642.6812336.92  718.8512418.54  730.24   12560     748

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9100     .15    9660     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9100    9660             46.5    46.5    46.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             46.50      46.50
  46.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1118020.00   94231.77
 366790.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1118020.00   94231.77
 366790.40
  Q Total (cfs)            3844.27    Flow (cfs)               2673.34     278.09
 892.84
  Top Width (ft)          12560.00    Top Width (ft)           9100.00     560.00
2900.00
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         176.11    Hydr. Depth (ft)          122.86     168.27
 126.48
  Conv. Total (cfs)       392347800.0    Conv. (cfs)             272841800.0
28381920.0   91124100.0
  Length Wtd. (ft)           46.50    Wetted Per. (ft)         9143.52     562.06
2920.46
  Min Ch El (ft)            584.20    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    91412.59    4579.04
29435.80
  C & E Loss (ft)                     Cum SA (acres)            743.24      26.21
 226.75



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 4301.5*

INPUT
Description:
Station Elevation Data    num=      50
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0   719.8  795.65  680.17 1051.72  669.73 1292.93  660.43 1392.39  661.99
 1472.41  662.04 1690.76   662.7  1893.1  654.77 1989.13  650.54 2103.45     650
 2188.04     650  2287.5     659 2418.97     659 2585.87   659.4 2629.31  658.94
 2839.66  656.22 2944.83  654.36 3365.52  648.92 3786.21  642.98 3978.26   640.2
```

```
 4101.72     640  4206.9     640 4417.24     641    4575     641 4627.59  640.52
 4680.17  639.05 4773.91   637.9 4972.83  621.07 5468.97  615.76 5569.57     615
 5679.31  614.38 6365.22  610.32 6836.21   610.2 6961.96   610.2 7046.55  609.43
 7151.72  608.28 7160.87   608.2    9150   608.2    9340   584.1    9440   584.1
    9730     60010065.37   601.910870.24  607.4711316.54  610.8311406.83  613.56
11633.85  627.6211675.12  634.2712268.46  714.4212345.85  726.52   12480   746.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9150     .15    9730     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9150    9730             46.5    46.5    46.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            46.50      46.50
  46.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1125331.00   97606.98
 353879.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1125331.00   97606.98
 353879.80
  Q Total (cfs)            3839.84    Flow (cfs)               2684.53     287.25
 868.06
  Top Width (ft)          12480.00    Top Width (ft)           9150.00     580.00
2750.00
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         176.21    Hydr. Depth (ft)          122.99     168.29
 128.68
  Conv. Total (cfs)       393093200.0    Conv. (cfs)             274821300.0
29406570.0   88865260.0
  Length Wtd. (ft)           46.50    Wetted Per. (ft)         9193.49     581.96
2772.67
  Min Ch El (ft)            584.10    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    90215.21    4476.65
29051.14
  C & E Loss (ft)                     Cum SA (acres)            733.50      25.60
 223.74



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 4255

INPUT
Description:
Station Elevation Data    num=      25
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
```

0	720	800	680	1300	660	1400	662	1700	663
2000	650	2200	650	2300	660	2600	660	4000	640
4600	640	4800	638	5000	620	5600	615	6400	610
7000	610	7200	608	9200	608	9400	584	9500	584
9800	600	11300	610	11600	620	12200	710	12400	745

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	9200	.15	9800	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
9200	9800	45.5	45.5	45.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	45.50	45.50	45.50
Crit W.S. (ft)		Flow Area (sq ft)	1132655.00	100986.20	340306.80
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1132655.00	100986.20	340306.80
Q Total (cfs)	3835.42	Flow (cfs)	2697.43	296.56	841.43
Top Width (ft)	12400.00	Top Width (ft)	9200.00	600.00	2600.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	176.31	Hydr. Depth (ft)	123.11	168.31	130.89
Conv. Total (cfs)	393584000.0	Conv. (cfs)	276805600.0	30432870.0	86345520.0
Length Wtd. (ft)	45.50	Wetted Per. (ft)	9243.52	601.86	2625.26
Min Ch El (ft)	584.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	89010.02	4370.65	28680.63
C & E Loss (ft)		Cum SA (acres)	723.71	24.97	220.88

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 4209.5*

INPUT
Description:
Station Elevation Data num= 44

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	804.35	680.65	1156.25	666.5	1307.07	661.01	1407.61	662.59

```
 1541.67  662.76 1709.24  663.58 1734.38  662.68 2010.87   651.1 2211.96  650.27
 2216.15  650.61  2312.5  659.33 2614.13  660.34 2697.92  659.58 3083.33  652.92
 3276.04  650.52 3854.17  642.08 4021.74     640 4143.23     640 4335.94  639.38
    4625  639.38 4817.71  635.82 4826.09  635.74 5027.17  619.77 5395.83   616.7
 5630.43  614.89 6166.67  611.71 6434.78  610.25  6937.5  610.25 7038.04  610.18
 7239.13   608.3 7322.92  608.25 8864.58  608.25    9250     607 9431.25  583.88
    9550  583.88 9818.75     60011135.71  608.9911307.93     61011557.14  617.32
11605.77  620.1911978.57  680.5412201.44     710   12400  740.62

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9250     .15 9818.75     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9250 9818.75              45.5    45.5    45.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            45.50      45.50
  45.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1138176.00   96083.36
 337039.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1138176.00   96083.36
 337039.30
  Q Total (cfs)            3831.12    Flow (cfs)               2714.98     283.36
 832.79
  Top Width (ft)          12400.00    Top Width (ft)           9250.00     568.75
2581.25
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         176.43    Hydr. Depth (ft)          123.05     168.94
 130.57
  Conv. Total (cfs)       392376100.0    Conv. (cfs)             278062700.0
29020940.0   85292450.0
  Length Wtd. (ft)           45.50    Wetted Per. (ft)         9293.20     570.70
2610.31
  Min Ch El (ft)            583.88    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    87824.03    4267.73
28326.87
  C & E Loss (ft)                     Cum SA (acres)            714.07      24.36
 218.18



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 4164.*

INPUT
Description:
```

Station Elevation Data num= 44

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	808.7	681.3	1162.5	667	1314.13	662.01	1415.22	663.18
1550	663.08	1718.48	664.15	1743.75	663.44	2021.74	652.2	2223.91	650.53
2228.12	650.81	2325	658.65	2628.26	660.68	2712.5	660.36	3100	652.5
3293.75	650.45	3875	641.79	4043.48	640	4165.62	640	4359.38	638.75
4650	638.75	4843.75	633.56	4852.17	633.48	5054.35	619.55	5425	616.46
5660.87	614.77	6200	611.75	6469.57	610.5	6975	610.5	7076.09	610.37
7278.26	608.61	7362.5	608.5	8912.5	608.5	9300	606	9462.5	583.75
9600	583.75	9837.5	600	11144.9	609.13	11315.87	610	11563.27	616.28
11611.54	620.38	11981.63	684.74	12202.88	710	12400	736.25		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	9300	.15	9837.5	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
9300	9837.5	45.5	45.5	45.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	45.50	45.50	45.50
Crit W.S. (ft)		Flow Area (sq ft)	1143691.00	91163.66	333790.40
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1143691.00	91163.66	333790.40
Q Total (cfs)	3826.84	Flow (cfs)	2732.64	270.02	824.18
Top Width (ft)	12400.00	Top Width (ft)	9300.00	537.50	2562.50
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	176.56	Hydr. Depth (ft)	122.98	169.61	130.26
Conv. Total (cfs)	391159600.0	Conv. (cfs)	279316000.0	27599900.0	84243700.0
Length Wtd. (ft)	45.50	Wetted Per. (ft)	9342.96	539.57	2595.58
Min Ch El (ft)	583.75	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	86632.28	4169.94	27976.52
C & E Loss (ft)		Cum SA (acres)	704.39	23.78	215.49

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 4118.5*

```
INPUT
Description:
Station Elevation Data    num=      44
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  813.04  681.96 1168.75   667.5  1321.2  663.02 1422.83  663.78
 1558.33   663.4 1727.72  664.73 1753.12   664.2 2032.61  653.31 2235.87   650.8
  2240.1  651.01  2337.5  657.97 2642.39  661.03 2727.08  661.13 3116.67  652.08
 3311.46  650.37 3895.83  641.49 4065.22     640 4188.02     640 4382.81  638.12
    4675  638.12 4869.79   631.3 4878.26  631.22 5081.52  619.32 5454.17  616.22
  5691.3  614.66 6233.33  611.79 6504.35  610.75  7012.5  610.75 7114.13  610.55
 7317.39  608.91 7402.08  608.75 8960.42  608.75    9350     605 9493.75  583.62
    9650  583.62 9856.25     60011154.08  609.28 11323.8     61011569.39  615.23
11617.31  620.5811984.69  688.9512204.33     710   12400  731.88

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9350     .15 9856.25     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9350 9856.25              45.5    45.5    45.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            45.50      45.50
  45.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1149198.00   86223.59
 330542.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1149198.00   86223.59
 330542.60
  Q Total (cfs)            3822.59    Flow (cfs)               2750.49     256.53
 815.56
  Top Width (ft)          12400.00    Top Width (ft)           9350.00     506.25
2543.75
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         176.69    Hydr. Depth (ft)          122.91     170.32
 129.94
  Conv. Total (cfs)       389923300.0    Conv. (cfs)             280564100.0
26167640.0   83191590.0
  Length Wtd. (ft)           45.50    Wetted Per. (ft)         9392.79     508.48
2581.10
  Min Ch El (ft)            583.62    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    85434.78    4077.29
27629.56
  C & E Loss (ft)                     Cum SA (acres)            694.65      23.24
 212.82


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION
```

```
RIVER: SQUAW CREEK
REACH: SC                 RS: 4073.*

INPUT
Description:
Station Elevation Data    num=      44
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  817.39  682.61    1175     668 1328.26  664.02 1430.43  664.37
 1566.67  663.72 1736.96   665.3  1762.5  664.96 2043.48  654.41 2247.83  651.07
 2252.08  651.21    2350   657.3 2656.52  661.37 2741.67   661.9 3133.33  651.67
 3329.17   650.3 3916.67  641.19 4086.96     640 4210.42     640 4406.25   637.5
    4700   637.5 4895.83  629.04 4904.35  628.96  5108.7  619.09 5483.33  615.97
 5721.74  614.54 6266.67  611.83 6539.13     611    7050     611 7152.17  610.74
 7356.52  609.22 7441.67     609 9008.33     609    9400     604    9525   583.5
    9700   583.5    9875     60011163.27  609.4211331.73     61011575.51  614.18
11623.08  620.7711987.75  693.1612205.77     710   12400   727.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15    9400     .15    9875     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          9400    9875             45.5    45.5    45.5             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            45.50      45.50
  45.50
  Crit W.S. (ft)                      Flow Area (sq ft)       1154700.00   81259.89
 327316.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1154700.00   81259.89
 327316.80
  Q Total (cfs)            3818.35    Flow (cfs)               2768.50     242.87
 806.99
  Top Width (ft)          12400.00    Top Width (ft)           9400.00     475.00
2525.00
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         176.81    Hydr. Depth (ft)          122.84     171.07
 129.63
  Conv. Total (cfs)       388676000.0    Conv. (cfs)             281809400.0
24721880.0   82144730.0
  Length Wtd. (ft)           45.50    Wetted Per. (ft)         9442.69     477.45
2566.89
  Min Ch El (ft)            583.50    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    84231.53    3989.82
27285.98
  C & E Loss (ft)                     Cum SA (acres)            684.85      22.73
 210.18


Warning: The cross-section end points had to be extended vertically for the computed
water surface.
```

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 4027.5*

INPUT
Description:
Station Elevation Data num= 44

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	821.74	683.26	1181.25	668.5	1335.33	665.03	1438.04	664.96
1575	664.04	1746.2	665.88	1771.88	665.72	2054.35	655.51	2259.78	651.34
2264.06	651.41	2362.5	656.62	2670.65	661.71	2756.25	662.68	3150	651.25
3346.88	650.22	3937.5	640.89	4108.7	640	4232.81	640	4429.69	636.88
4725	636.88	4921.88	626.78	4930.44	626.7	5135.87	618.87	5512.5	615.73
5752.17	614.43	6300	611.88	6573.91	611.25	7087.5	611.25	7190.22	610.92
7395.65	609.52	7481.25	609.25	9056.25	609.25	9450	603	9556.25	583.38
9750	583.38	9893.75	600	11172.45	609.57	11339.66	610	11581.63	613.14
11628.85	620.96	11990.82	697.37	12207.21	710	12400	723.12		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	9450	.15	9893.75	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
9450	9893.75	45.5	45.5	45.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	45.50	45.50	45.50
Crit W.S. (ft)		Flow Area (sq ft)	1160189.00	76275.95	324094.30
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1160189.00	76275.95	324094.30
Q Total (cfs)	3814.14	Flow (cfs)	2786.70	229.03	798.41
Top Width (ft)	12400.00	Top Width (ft)	9450.00	443.75	2506.25
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	176.93	Hydr. Depth (ft)	122.77	171.89	129.31
Conv. Total (cfs)	387406700.0	Conv. (cfs)	283048100.0	23263040.0	81095520.0
Length Wtd. (ft)	45.50	Wetted Per. (ft)	9492.66	446.50	2552.93
Min Ch El (ft)	583.38	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	83022.54	3907.54	26945.77
C & E Loss (ft)		Cum SA (acres)	675.01	22.25	207.55

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 3982.*

INPUT
Description:
Station Elevation Data num= 44

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	826.09	683.91	1187.5	669	1342.39	666.03	1445.65	665.55
1583.33	664.36	1755.43	666.46	1781.25	666.48	2065.22	656.61	2271.74	651.6
2276.04	651.6	2375	655.95	2684.78	662.05	2770.83	663.45	3166.67	650.83
3364.58	650.15	3958.33	640.6	4130.43	640	4255.21	640	4453.12	636.25
4750	636.25	4947.92	624.52	4956.52	624.45	5163.04	618.64	5541.67	615.49
5782.61	614.32	6333.33	611.92	6608.7	611.5	7125	611.5	7228.26	611.11
7434.78	609.83	7520.83	609.5	9104.17	609.5	9500	602	9587.5	583.25
9800	583.25	9912.5	600	11181.63	609.71	11347.6	610	11587.75	612.09
11634.62	621.15	11993.88	701.58	12208.65	710	12400	718.75		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	9500	.15	9912.5	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
9500	9912.5	45.5	45.5	45.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	45.50	45.50	45.50
Crit W.S. (ft)		Flow Area (sq ft)	1165675.00	71274.88	320891.00
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1165675.00	71274.88	320891.00
Q Total (cfs)	3809.95	Flow (cfs)	2805.07	215.01	789.87
Top Width (ft)	12400.00	Top Width (ft)	9500.00	412.50	2487.50
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	177.06	Hydr. Depth (ft)	122.70	172.79	129.00
Conv. Total (cfs)	386124700.0	Conv. (cfs)	284284000.0	21790120.0	80050620.0
Length Wtd. (ft)	45.50	Wetted Per. (ft)	9542.70	415.73	2539.23
Min Ch El (ft)	583.25	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	81807.81	3830.48	26608.91
C & E Loss (ft)		Cum SA (acres)	665.11	21.80	

204.94

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 3936.5*

INPUT
Description:
Station Elevation Data num= 44

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	830.43	684.57	1193.75	669.5	1349.46	667.04	1453.26	666.15
1591.67	664.68	1764.67	667.03	1790.62	667.24	2076.09	657.72	2283.7	651.87
2288.02	651.8	2387.5	655.27	2698.91	662.4	2785.42	664.23	3183.33	650.42
3382.29	650.07	3979.17	640.3	4152.17	640	4277.6	640	4476.56	635.62
4775	635.62	4973.96	622.26	4982.61	622.19	5190.22	618.41	5570.83	615.24
5813.04	614.2	6366.67	611.96	6643.48	611.75	7162.5	611.75	7266.3	611.29
7473.91	610.13	7560.42	609.75	9152.08	609.75	9550	601	9618.75	583.12
9850	583.12	9931.25	600	11190.82	609.86	11355.53	610	11593.88	611.05
11640.38	621.35	11996.94	705.79	12210.1	710	12400	714.38		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	9550	.15	9931.25	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
9550	9931.25	45.5	45.5	45.5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	45.50	45.50	45.50
Crit W.S. (ft)		Flow Area (sq ft)	1171156.00	66253.43	317688.60
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1171156.00	66253.43	317688.60
Q Total (cfs)	3805.77	Flow (cfs)	2823.73	200.72	781.32
Top Width (ft)	12400.00	Top Width (ft)	9550.00	381.25	2468.75
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	177.19	Hydr. Depth (ft)	122.63	173.78	128.68
Conv. Total (cfs)	384815000.0	Conv. (cfs)	285516800.0	20295800.0	79002430.0
Length Wtd. (ft)	45.50	Wetted Per. (ft)	9592.80	385.27	2525.80
Min Ch El (ft)	583.12	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00

Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	80587.36	3758.66	26275.40
C & E Loss (ft)		Cum SA (acres)	655.16	21.39	202.35

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 3891

INPUT
Description:
Station Elevation Data num= 26

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	1200	670	1600	665	1800	668	2300	652
2800	665	3200	650	3400	650	4000	640	4300	640
4500	635	4800	635	5000	620	5600	615	6400	612
7200	612	7600	610	9200	610	9600	600	9650	583
9900	583	9950	600	11200	610	11600	610	12000	710
12400	710								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	9600	.15	9950	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
9600	9950	448	448	448	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	448.00	448.00	448.00
Crit W.S. (ft)		Flow Area (sq ft)	1176629.00	61208.61	314510.30
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1176629.00	61208.61	314510.30
Q Total (cfs)	3801.62	Flow (cfs)	2842.74	186.00	772.88
Top Width (ft)	12400.00	Top Width (ft)	9600.00	350.00	2450.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	177.31	Hydr. Depth (ft)	122.57	174.88	128.37
Conv. Total (cfs)	383466500.0	Conv. (cfs)	286744900.0	18761420.0	77960140.0
Length Wtd. (ft)	448.00	Wetted Per. (ft)	9642.98	355.62	2512.66
Min Ch El (ft)	583.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00

Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	79361.19	3692.09	25945.22
C & E Loss (ft)		Cum SA (acres)	645.16	21.00	199.78

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 3443

INPUT
Description:
Station Elevation Data num= 25

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	900	670	1300	668	1500	670	1800	670
2200	660	2600	660	2700	668	4800	630	5100	620
5800	616	7200	616	7600	610	9200	610	9600	608
9800	596	10000	596	10050	582	10100	582	10400	600
11200	608	11600	608	11800	620	12000	620	13200	720

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10000	.15	10400	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10000	10400	143	143	143	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	143.00	143.00	143.00
Crit W.S. (ft)		Flow Area (sq ft)	1229002.00	68274.07	351668.50
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1229002.00	68274.07	351668.50
Q Total (cfs)	3758.69	Flow (cfs)	2769.56	191.28	797.84
Top Width (ft)	13200.00	Top Width (ft)	10000.00	400.00	2800.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	178.31	Hydr. Depth (ft)	122.90	170.69	125.60
Conv. Total (cfs)	407259800.0	Conv. (cfs)	300086600.0	20725890.0	86447310.0
Length Wtd. (ft)	143.00	Wetted Per. (ft)	10043.09	402.46	2844.87
Min Ch El (ft)	582.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	66990.63	3026.24	

22519.51
C & E Loss (ft) Cum SA (acres) 544.37 17.15
172.79

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 3300

INPUT
Description:
Station Elevation Data num= 26

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	900	676	1300	669	1600	673	2200	661
2600	670	2800	670	3700	649	4100	649	5200	620
5700	614	7600	614	8000	608	9200	608	9600	606
10000	600	10200	600	10250	580	10350	580	10400	600
11400	610	11800	610	11900	620	12100	620	12400	660
13200	720								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10200	.15	10400	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10200	10400	243	243	243	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	243.00	243.00	243.00
Crit W.S. (ft)		Flow Area (sq ft)	1252064.00	35062.04	350368.50
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1252064.00	35062.04	350368.50
Q Total (cfs)	3744.63	Flow (cfs)	2845.69	98.82	800.12
Top Width (ft)	13200.00	Top Width (ft)	10200.00	200.00	2800.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	180.31	Hydr. Depth (ft)	122.75	175.31	125.13
Conv. Total (cfs)	402006900.0	Conv. (cfs)	305500600.0	10608900.0	85897420.0
Length Wtd. (ft)	243.00	Wetted Per. (ft)	10242.45	207.70	2845.76
Min Ch El (ft)	580.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.00	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	62918.18	2856.63	

21367.18
C & E Loss (ft) Cum SA (acres) 511.21 16.16
163.59

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 3057

INPUT
Description:
Station Elevation Data num= 26

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	900	676	1300	669	1600	673	2200	661
2600	670	2800	670	3700	649	4100	649	5200	620
5700	614	7600	614	8000	608	9200	608	9600	606
10000	600	10200	600	10250	579	10350	579	10400	600
11600	608	11800	608	11900	620	12300	620	12600	660
13600	720								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10200	.15	10400	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10200	10400	127	127	127	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	127.00	127.00	127.00
Crit W.S. (ft)		Flow Area (sq ft)	1252064.00	35212.04	395192.60
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1252064.00	35212.04	395192.60
Q Total (cfs)	3720.90	Flow (cfs)	2756.83	96.18	867.88
Top Width (ft)	13600.00	Top Width (ft)	10200.00	200.00	3200.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	181.31	Hydr. Depth (ft)	122.75	176.06	123.50
Conv. Total (cfs)	412334600.0	Conv. (cfs)	305500600.0	10658710.0	96175290.0
Length Wtd. (ft)	127.00	Wetted Per. (ft)	10242.45	208.46	3245.51
Min Ch El (ft)	579.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.00	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	55933.53	2660.61	

19287.62
C & E Loss (ft) Cum SA (acres) 454.31 15.05
146.86

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 2930

INPUT
Description:
Station Elevation Data num= 25

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	900	676	1300	669	1600	673	2200	661
2600	670	2800	670	3700	649	4100	649	5200	620
5700	614	7600	614	8000	608	9200	608	9600	606
10000	600	10200	600	10250	578	10350	578	10400	600
11600	610	12000	620	12300	620	12600	660	13600	720

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10200	.15	10400	.15

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
10200 10400 242.06 242.06 242.06 .1 .3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft) 760.31 Element Left OB Channel
Right OB
Vel Head (ft) 0.00 Wt. n-Val. 0.150 0.150
0.150
W.S. Elev (ft) 760.31 Reach Len. (ft) 242.06 242.06
242.06
Crit W.S. (ft) Flow Area (sq ft) 1252064.00 35362.04
392992.60
E.G. Slope (ft/ft) 0.000000 Area (sq ft) 1252064.00 35362.04
392992.60
Q Total (cfs) 3708.33 Flow (cfs) 2753.07 96.49
858.77
Top Width (ft) 13600.00 Top Width (ft) 10200.00 200.00
3200.00
Vel Total (ft/s) 0.00 Avg. Vel. (ft/s) 0.00 0.00
0.00
Max Chl Dpth (ft) 182.31 Hydr. Depth (ft) 122.75 176.81
122.81
Conv. Total (cfs) 411504000.0 Conv. (cfs) 305500600.0
10707450.0 95295910.0
Length Wtd. (ft) 242.06 Wetted Per. (ft) 10242.45 209.25
3244.93
Min Ch El (ft) 578.00 Shear (lb/sq ft) 0.00 0.00
0.00
Alpha 1.00 Stream Power (lb/ft s) 0.00 0.00
0.00
Frctn Loss (ft) 0.00 Cum Volume (acre-ft) 52283.11 2557.73
18138.63

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  C & E Loss (ft)                     Cum SA (acres)            424.57      14.46
 137.53


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 2688

INPUT
Description:
Station Elevation Data    num=      25
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     900     676    1300     669    1600     673    2200     661
    2600     670    2800     670    3700     649    4100     649    5200     620
    5700     614    7600     614    8000     608    9200     608    9600     606
   10000     600   10300     600   10350     577   10400     577   10600     600
   12000     610   12200     620   12500     620   13000     660   14000     720

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10300     .15   10600     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10300   10600           239.04  239.04  239.04             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)           239.04     239.04
 239.04
  Crit W.S. (ft)                      Flow Area (sq ft)       1268095.00   52118.05
 419054.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1268095.00   52118.05
 419054.60
  Q Total (cfs)            3684.22    Flow (cfs)               2669.90     136.51
 877.81
  Top Width (ft)          14000.00    Top Width (ft)          10300.00     300.00
3400.00
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         183.31    Hydr. Depth (ft)          123.12     173.73
 123.25
  Conv. Total (cfs)       427817100.0    Conv. (cfs)             310032900.0
15851420.0   101932700.0
  Length Wtd. (ft)          239.04    Wetted Per. (ft)        10342.45     306.35
3443.99
  Min Ch El (ft)            577.00    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    45280.94    2314.67
15882.39
  C & E Loss (ft)                     Cum SA (acres)            367.62      13.07
```

119.19

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 2449

INPUT
Description:
Station Elevation Data num= 24

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	900	676	1300	669	1600	673	2200	661
2600	670	2800	670	3700	649	4100	649	5200	620
5700	614	7600	614	8000	608	9200	608	9600	606
10000	600	10300	600	10350	576	10400	576	10600	600
12200	610	12800	640	13000	640	13600	690		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10300	.15	10600	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10300	10600	252.96	252.96	252.96	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	252.96	252.96	252.96
Crit W.S. (ft)		Flow Area (sq ft)	1268094.00	52293.04	410930.30
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1268094.00	52293.04	410930.30
Q Total (cfs)	3660.15	Flow (cfs)	2624.35	134.77	901.03
Top Width (ft)	13600.00	Top Width (ft)	10300.00	300.00	3000.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	184.31	Hydr. Depth (ft)	123.12	174.31	136.98
Conv. Total (cfs)	432399300.0	Conv. (cfs)	310032600.0	15921440.0	106445300.0
Length Wtd. (ft)	252.96	Wetted Per. (ft)	10342.45	306.90	3073.17
Min Ch El (ft)	576.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	38322.14	2028.19	13605.07
C & E Loss (ft)		Cum SA (acres)	311.09	11.43	101.63

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 2196

INPUT
Description:
Station Elevation Data num= 25

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	900	676	1300	669	1600	673	2200	661
2600	670	2800	670	3700	649	4100	649	5200	620
5700	614	7600	614	8000	608	9200	608	9600	606
10000	600	10300	600	10350	575	10400	575	10600	600
12200	610	12800	650	13000	645	13200	645	13600	690

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10300	.15	10600	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10300	10600	25	25	25	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	25.00	25.00	25.00
Crit W.S. (ft)		Flow Area (sq ft)	1268094.00	52468.04	409430.40
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1268094.00	52468.04	409430.40
Q Total (cfs)	3634.47	Flow (cfs)	2609.57	134.60	890.30
Top Width (ft)	13600.00	Top Width (ft)	10300.00	300.00	3000.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	185.31	Hydr. Depth (ft)	123.12	174.89	136.48
Conv. Total (cfs)	431797000.0	Conv. (cfs)	310032600.0	15990840.0	105773500.0
Length Wtd. (ft)	25.00	Wetted Per. (ft)	10342.45	307.46	3074.26
Min Ch El (ft)	575.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	30958.11	1724.01	11223.09
C & E Loss (ft)		Cum SA (acres)	251.28	9.69	84.21

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 2171.*

INPUT
Description:
Station Elevation Data num= 49

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	584.72	690.35	902.62	676.07	974.53	674.87	1266.89	670.48
1303.79	669.84	1604.66	672.96	1949.06	666.22	2143.96	663.02	2206.41	661.9
2607.57	670	2728.68	670	2808.16	669.84	3703.21	649.26	3710.78	649.1
4111.94	649.1	4385.38	642.63	4482.83	639.33	4677.74	634.71	5067.55	623.49
5215.15	619.87	5716.6	614.03	5749.72	614	7601.32	614	7622.14	614.02
7698.77	613.07	8023.3	608.7	8186.04	608.7	8186.04	608.2	8965.66	608.2
9226.8	607.89	9550.38	606.05	9627.96	605.58	9745.28	603.82	10029.13	600
10330	600	10385	574.9	10440	574.9	10640	600	11981.18	608.44
12249.41	609.93	12261.33	610.13	12607.06	634.47	12785.88	646.06	12869.33	651
13072	646.51	13143.53	646.51	13274.67	647.36	13680	690.5		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10330	.15	10640	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10330	10640	25	25	25	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	25.00	25.00	25.00
Crit W.S. (ft)		Flow Area (sq ft)	1271233.00	54276.88	412839.80
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1271233.00	54276.88	412839.80
Q Total (cfs)	3631.91	Flow (cfs)	2602.37	138.85	890.69
Top Width (ft)	13680.00	Top Width (ft)	10330.00	310.00	3040.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	185.41	Hydr. Depth (ft)	123.06	175.09	135.80
Conv. Total (cfs)	433622900.0	Conv. (cfs)	310703700.0	16578020.0	106341200.0
Length Wtd. (ft)	25.00	Wetted Per. (ft)	10372.88	317.03	3113.56
Min Ch El (ft)	574.90	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	30229.42	1693.38	

```
10987.13
  C & E Loss (ft)                     Cum SA (acres)            245.36       9.51
  82.48


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 2146.*

INPUT
Description:
Station Elevation Data    num=      49
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  586.42   689.2  905.24  676.15  977.36     675 1270.57  671.32
 1307.57  670.68 1609.32  672.91 1954.72  666.31 2150.19   663.8 2212.82   662.8
 2615.15     670  2736.6     670 2816.31  669.67 3713.96  649.34 3721.55   649.2
 4123.88   649.2 4398.11  643.45 4495.85   639.4 4691.32   635.3 5082.26   623.1
 5230.29  619.74  5733.2  614.06 5766.42     614  7623.4     614 7644.27  614.04
 7721.13  613.28  8046.6   609.4 8209.81   609.4 8209.81   608.4  8991.7   608.4
 9253.59  607.77 9578.11  605.71 9655.92  605.16 9773.58   603.410058.25     600
   10360     600   10420   574.8   10480   574.8   10680     60012038.82  608.62
12310.59  609.9412322.67  610.2712672.94   636.212854.12  647.6112938.67     652
   13144     64813216.47     64813349.33  649.71   13760     691

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10360     .15   10680     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10360   10680                25      25      25             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             25.00      25.00
  25.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1274379.00   56087.24
 416184.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1274379.00   56087.24
 416184.10
  Q Total (cfs)            3629.34    Flow (cfs)               2595.39     143.06
 890.89
  Top Width (ft)          13760.00    Top Width (ft)          10360.00     320.00
3080.00
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         185.51    Hydr. Depth (ft)          123.01     175.27
 135.12
  Conv. Total (cfs)       435423200.0    Conv. (cfs)             311376900.0
17163850.0   106882500.0
  Length Wtd. (ft)           25.00    Wetted Per. (ft)        10403.33     326.66
3152.90
  Min Ch El (ft)            574.80    Shear (lb/sq ft)            0.00       0.00
```

```
   0.00
  Alpha                        1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    29498.93    1661.71
10749.23
  C & E Loss (ft)                      Cum SA (acres)            239.42       9.33
  80.72


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 2121.*

INPUT
Description:
Station Elevation Data    num=      49
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  588.11  688.05  907.86  676.22  980.19  675.12 1274.25  672.15
 1311.36  671.52 1613.98  672.87 1960.38  666.39 2156.42  664.57 2219.22   663.7
 2622.72     670 2744.53     670 2824.47  669.51 3724.72  649.42 3732.33   649.3
 4135.83   649.3 4410.85  644.27 4508.87  639.48 4704.91  635.89 5096.98  622.72
 5245.44  619.61 5749.81  614.09 5783.11     614 7645.47     614 7666.41  614.06
 7743.49   613.5  8069.9   610.1 8233.58   610.1 8233.58   608.6 9017.74   608.6
 9280.39  607.66 9605.85  605.37 9683.88  604.74 9801.89  602.9710087.38     600
   10390     600   10455   574.7   10520   574.7   10720     60012096.47  608.79
12371.76  609.95   12384   610.412738.82  637.9212922.35  649.16   13008     653
   13216   649.513289.41   649.5   13424  652.07   13840   691.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10390     .15   10720     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10390   10720                25      25      25             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            25.00      25.00
  25.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1277515.00   57899.09
 419484.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1277515.00   57899.09
 419484.10
  Q Total (cfs)            3626.76    Flow (cfs)               2588.55     147.23
 890.98
  Top Width (ft)          13840.00    Top Width (ft)          10390.00     330.00
3120.00
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         185.61    Hydr. Depth (ft)          122.96     175.45
 134.45
  Conv. Total (cfs)       437201200.0    Conv. (cfs)             312045900.0
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17748740.0   107406500.0
  Length Wtd. (ft)           25.00    Wetted Per. (ft)        10433.82     336.34
3192.26
  Min Ch El (ft)            574.70    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28766.64    1629.00
10509.43
  C & E Loss (ft)                     Cum SA (acres)            233.47       9.14
  78.94


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 2096.*

INPUT
Description:
Station Elevation Data    num=      49
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.81   686.9  910.49   676.3  983.02  675.25 1277.92  672.99
 1315.15  672.36 1618.64  672.82 1966.04  666.48 2162.64  665.35 2225.63   664.6
 2630.29     670 2752.45     670 2832.62  669.35 3735.47  649.51 3743.11   649.4
 4147.77   649.4 4423.58  645.09 4521.89  639.55 4718.49  636.48  5111.7  622.33
 5260.58  619.48 5766.41  614.12 5799.81     614 7667.55     614 7688.54  614.09
 7765.85  613.71  8093.2   610.8 8257.36   610.8 8257.36   608.8 9043.77   608.8
 9307.18  607.55 9633.58  605.03 9711.84  604.32 9830.19  602.55 10116.5     600
   10420     600   10490   574.6   10560   574.6   10760     60012154.12  608.96
12432.94  609.9612445.33  610.5312804.71  639.6512990.59  650.7113077.33     654
   13288     65113362.35     65113498.67  654.42   13920     692

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10420     .15   10760     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10420   10760                25      25      25             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            25.00      25.00
  25.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1280642.00   59712.45
 422730.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1280642.00   59712.45
 422730.50
  Q Total (cfs)            3624.18    Flow (cfs)               2581.87     151.37
 890.95
  Top Width (ft)          13920.00    Top Width (ft)          10420.00     340.00
3160.00
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
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   0.00
  Max Chl Dpth (ft)         185.71    Hydr. Depth (ft)          122.90     175.62
 133.78
  Conv. Total (cfs)       438952700.0    Conv. (cfs)             312710200.0
18333020.0   107909500.0
  Length Wtd. (ft)           25.00    Wetted Per. (ft)        10464.34     346.07
3231.66
  Min Ch El (ft)            574.60    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    28032.55    1595.25
10267.75
  C & E Loss (ft)                     Cum SA (acres)            227.50       8.95
  77.14


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 2071.*

INPUT
Description:
Station Elevation Data    num=      49
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.51  685.75  913.11  676.37  985.85  675.37  1281.6  673.82
 1318.93   673.2  1623.3  672.78  1971.7  666.57 2168.87  666.12 2232.04   665.5
 2637.86     670 2760.38     670 2840.78  669.18 3746.23  649.59 3753.88   649.5
 4159.71   649.5 4436.32  645.91 4534.91  639.63 4732.08  637.06 5126.42  621.94
 5275.73  619.35 5783.01  614.15 5816.51     614 7689.62     614 7710.68  614.11
 7788.21  613.93  8116.5   611.5 8281.13   611.5 8281.13     609 9069.81     609
 9333.98  607.44 9661.32  604.69 9739.81   603.9 9858.49  602.1210145.63     600
   10450     600   10525   574.5   10600   574.5   10800     60012211.76  609.14
12494.12  609.9612506.67  610.6712870.59  641.3713058.82  652.2513146.67     655
   13360   652.513435.29   652.513573.33  656.78   14000   692.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10450     .15   10800     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10450   10800                25      25      25              .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            25.00      25.00
  25.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1283779.00   61527.29
 425915.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1283779.00   61527.29
 425915.10
  Q Total (cfs)            3621.60    Flow (cfs)               2575.39     155.46
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 890.75
  Top Width (ft)          14000.00    Top Width (ft)          10450.00     350.00
3200.00
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         185.81    Hydr. Depth (ft)          122.85     175.79
 133.10
  Conv. Total (cfs)       440683300.0    Conv. (cfs)             313378400.0
18916930.0   108388000.0
  Length Wtd. (ft)           25.00    Wetted Per. (ft)        10494.88     355.84
3271.08
  Min Ch El (ft)            574.50    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    27296.66    1560.46
10024.22
  C & E Loss (ft)                     Cum SA (acres)            221.51       8.75
  75.31


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 2046.*

INPUT
Description:
Station Elevation Data    num=      49
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.21   684.6  915.73  676.44  988.68   675.5 1285.28  674.66
 1322.72  674.04 1627.96  672.73 1977.36  666.65 2175.09   666.9 2238.45   666.4
 2645.44     670  2768.3     670 2848.93  669.02 3756.98  649.67 3764.66   649.6
 4171.65   649.6 4449.06  646.72 4547.92   639.7 4745.66  637.65 5141.13  621.55
 5290.87  619.22 5799.61  614.17 5833.21     614  7711.7     614 7732.82  614.13
 7810.57  614.14 8139.81   612.2 8304.91   612.2 8304.91   609.2 9095.85   609.2
 9360.78  607.32 9689.06  604.35 9767.77  603.48 9886.79   601.710174.76     600
   10480     600   10560   574.4   10640   574.4   10840     60012269.41  609.31
12555.29  609.97   12568   610.812936.47   643.113127.06   653.8   13216     656
   13432     65413508.24     654   13648  659.13   14080     693

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10480     .15   10840     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10480   10840               25      25      25             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            25.00      25.00
  25.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1286916.00   63343.64
```

```
 429053.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1286916.00   63343.64
 429053.30
  Q Total (cfs)            3619.02    Flow (cfs)               2569.06     159.53
 890.44
  Top Width (ft)          14080.00    Top Width (ft)          10480.00     360.00
3240.00
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         185.91    Hydr. Depth (ft)          122.80     175.95
 132.42
  Conv. Total (cfs)       442395500.0    Conv. (cfs)             314046000.0
19500660.0   108848800.0
  Length Wtd. (ft)           25.00    Wetted Per. (ft)        10525.46     365.63
3310.54
  Min Ch El (ft)            574.40    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    26558.97    1524.62
9778.88
  C & E Loss (ft)                     Cum SA (acres)            215.50       8.55
  73.47


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 2021.*

INPUT
Description:
Station Elevation Data    num=      49
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.91  683.45  918.35  676.52  991.51  675.62 1288.96  675.49
  1326.5  674.88 1632.62  672.69 1983.02  666.74 2181.32  667.67 2244.85   667.3
 2653.01     670 2776.23     670 2857.09  668.86 3767.74  649.75 3775.44   649.7
 4183.59   649.7 4461.79  647.54 4560.94  639.78 4759.25  638.24 5155.85  621.16
 5306.02  619.09 5816.21   614.2 5849.91     614 7733.77     614 7754.95  614.15
 7832.92  614.36 8163.11   612.9 8328.68   612.9 8328.68   609.4 9121.89   609.4
 9387.57  607.21 9716.79  604.02 9795.73  603.06 9915.09  601.2710203.88     600
   10510     600   10595   574.3   10680   574.3   10880     60012327.06  609.48
12616.47  609.9812629.33  610.9313002.35  644.8213195.29  655.3513285.33     657
   13504   655.513581.18   655.513722.67  661.49   14160   693.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10510     .15   10880     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10510   10880                25      25      25             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
```

```
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            25.00      25.00
  25.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1290035.00   65161.50
 432137.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1290035.00   65161.50
 432137.30
  Q Total (cfs)            3616.47    Flow (cfs)               2562.89     163.56
 890.02
  Top Width (ft)          14160.00    Top Width (ft)          10510.00     370.00
3280.00
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         186.01    Hydr. Depth (ft)          122.74     176.11
 131.75
  Conv. Total (cfs)       444079200.0    Conv. (cfs)             314706000.0
20084370.0   109288800.0
  Length Wtd. (ft)           25.00    Wetted Per. (ft)        10556.07     375.44
3350.02
  Min Ch El (ft)            574.30    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25819.49    1487.75
9531.75
  C & E Loss (ft)                     Cum SA (acres)            209.48       8.34
  71.59


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1996.*

INPUT
Description:
Station Elevation Data    num=      49
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   596.6   682.3  920.97  676.59  994.34  675.75 1292.64  676.33
 1330.29  675.72 1637.28  672.64 1988.68  666.83 2187.55  668.45 2251.26   668.2
 2660.58     670 2784.15     670 2865.24   668.7 3778.49  649.84 3786.21   649.8
 4195.53   649.8 4474.53  648.36 4573.96  639.85 4772.83  638.83 5170.57  620.78
 5321.17  618.96 5832.82  614.23  5866.6     614 7755.85     614 7777.09  614.17
 7855.28  614.57 8186.41   613.6 8352.45   613.6 8352.45   609.6 9147.92   609.6
 9414.37   607.1 9744.53  603.68 9823.69  602.64  9943.4  600.8510233.01     600
   10540     600   10630   574.2   10720   574.2   10920     60012384.71  609.65
12677.65  609.9912690.67  611.0713068.24  646.5513263.53   656.913354.67     658
   13576     65713654.12     65713797.33  663.84   14240     694

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10540     .15   10920     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10540   10920               25      25      25             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
```

```
  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            25.00      25.00
  25.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1293149.00   66980.84
 435165.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1293149.00   66980.84
 435165.80
  Q Total (cfs)            3613.93    Flow (cfs)               2556.88     167.57
 889.48
  Top Width (ft)          14240.00    Top Width (ft)          10540.00     380.00
3320.00
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         186.11    Hydr. Depth (ft)          122.69     176.27
 131.07
  Conv. Total (cfs)       445738500.0    Conv. (cfs)             315362900.0
20668180.0   109707400.0
  Length Wtd. (ft)           25.00    Wetted Per. (ft)        10586.71     385.28
3389.52
  Min Ch El (ft)            574.20    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    25078.22    1449.83
9282.87
  C & E Loss (ft)                     Cum SA (acres)            203.44       8.12
  69.70


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1971.*

INPUT
Description:
Station Elevation Data    num=      49
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   598.3  681.15  923.59  676.66  997.17  675.87 1296.32  677.16
 1334.08  676.56 1641.94   672.6 1994.34  666.91 2193.77  669.22 2257.67   669.1
 2668.16     670 2792.08     670  2873.4  668.53 3789.25  649.92 3796.99   649.9
 4207.48   649.9 4487.26  649.18 4586.98  639.93 4786.42  639.41 5185.28  620.39
 5336.31  618.83 5849.42  614.26  5883.3     614 7777.92     614 7799.22  614.19
 7877.64  614.79 8209.71   614.3 8376.23   614.3 8376.23   609.8 9173.96   609.8
 9441.17  606.99 9772.26  603.34 9851.65  602.23  9971.7  600.4210262.14     600
   10570     600   10665   574.1   10760   574.1   10960     60012442.35  609.83
12738.82  609.99   12752   611.213134.12  648.2713331.76  658.45   13424     659
   13648   658.513727.06   658.5   13872   666.2   14320   694.5

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10570     .15   10960     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
```

```
         10570   10960                25      25      25             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)            25.00      25.00
  25.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1296275.00   68801.70
 438134.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1296275.00   68801.70
 438134.50
  Q Total (cfs)            3611.40    Flow (cfs)               2551.05     171.55
 888.79
  Top Width (ft)          14320.00    Top Width (ft)          10570.00     390.00
3360.00
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         186.21    Hydr. Depth (ft)          122.64     176.41
 130.40
  Conv. Total (cfs)       447380300.0    Conv. (cfs)             316024900.0
21252200.0   110103300.0
  Length Wtd. (ft)           25.00    Wetted Per. (ft)        10617.37     395.14
3429.05
  Min Ch El (ft)            574.10    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    24335.16    1410.86
9032.27
  C & E Loss (ft)                     Cum SA (acres)            197.38       7.90
  67.78


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1946

INPUT
Description:
Station Elevation Data    num=      30
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700     574   10800     574   11000     600   12500     610
   12800     610   13200     650   13400     660   13800     660   14400     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
```

```
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70624.05
 441054.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70624.05
 441054.40
  Q Total (cfs)            3608.87    Flow (cfs)               2545.35     175.51
 888.00
  Top Width (ft)          14400.00    Top Width (ft)          10600.00     400.00
3400.00
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         186.31    Hydr. Depth (ft)          122.58     176.56
 129.72
  Conv. Total (cfs)       448997800.0    Conv. (cfs)             316680300.0
21836490.0   110481000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.01
3468.61
  Min Ch El (ft)            574.00    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23590.30    1370.85
8779.97
  C & E Loss (ft)                     Cum SA (acres)            191.31       7.68
  65.84


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1941.04*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.98   10800  573.98   11000     60012500.54  609.96
12800.65  609.9813137.92   643.3 13200.8  649.6713332.28  656.4913400.87  659.91
13720.99  660.0613801.02  660.0414012.52  672.1814206.88  683.3714401.23     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70629.05
 441468.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70629.05
 441468.20
  Q Total (cfs)            3608.37    Flow (cfs)               2544.15     175.45
 888.77
  Top Width (ft)          14401.23    Top Width (ft)          10600.00     400.00
3401.23
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         186.33    Hydr. Depth (ft)          122.58     176.57
 129.80
  Conv. Total (cfs)       449147200.0    Conv. (cfs)             316680300.0
21838790.0   110628100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.02
3469.82
  Min Ch El (ft)            573.98    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23442.65    1362.83
8729.83
  C & E Loss (ft)                     Cum SA (acres)            190.10       7.63
  65.46


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1936.09*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.95   10800  573.95   11000     60012501.09  609.93
12801.31  609.9613138.69  642.88 13201.6  649.3313333.12  656.4113401.74  659.82
13721.98  660.1213802.03  660.0914013.62  672.0314208.04  683.0814402.47     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)              4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70636.55
 441872.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70636.55
 441872.30
  Q Total (cfs)            3607.87    Flow (cfs)               2542.97     175.40
 889.50
  Top Width (ft)          14402.47    Top Width (ft)          10600.00     400.00
3402.47
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         186.36    Hydr. Depth (ft)          122.58     176.59
 129.87
  Conv. Total (cfs)       449293500.0    Conv. (cfs)             316680300.0
21842240.0   110771000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.03
3471.04
  Min Ch El (ft)            573.95    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23294.99    1354.80
8679.64
  C & E Loss (ft)                     Cum SA (acres)            188.90       7.59
  65.07



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1931.14*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.93   10800  573.93   11000     60012501.63  609.89
12801.96  609.9413139.47  642.47 13202.4     64913333.97  656.3313402.61  659.73
13722.96  660.1913803.05  660.1314014.71  671.8814209.21  682.79 14403.7     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
```

```
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70641.55
 442281.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70641.55
 442281.40
  Q Total (cfs)            3607.36    Flow (cfs)               2541.78     175.33
 890.25
  Top Width (ft)          14403.70    Top Width (ft)          10600.00     400.00
3403.70
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         186.38    Hydr. Depth (ft)          122.58     176.60
 129.94
  Conv. Total (cfs)       449441000.0    Conv. (cfs)             316680300.0
21844550.0   110916100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.03
3472.25
  Min Ch El (ft)            573.93    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    23147.33    1346.77
8629.40
  C & E Loss (ft)                     Cum SA (acres)            187.69       7.54
  64.68


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1926.19*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700   573.9   10800   573.9   11000     60012502.18  609.85
12802.61  609.9213140.25  642.05 13203.2  648.6613334.82  656.2513403.49  659.64
13723.95  660.2513804.07  660.18 14015.8  671.7214210.37   682.514404.94     695

Manning's n Values        num=       3
```

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10600	.15	11000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10600	11000	4.95	4.95	4.95	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.95	4.95	4.95
Crit W.S. (ft)		Flow Area (sq ft)	1299387.00	70649.04	442697.20
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1299387.00	70649.04	442697.20
Q Total (cfs)	3606.86	Flow (cfs)	2540.58	175.28	891.01
Top Width (ft)	14404.94	Top Width (ft)	10600.00	400.00	3404.94
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	186.41	Hydr. Depth (ft)	122.58	176.62	130.02
Conv. Total (cfs)	449592200.0	Conv. (cfs)	316680300.0	21848000.0	111063800.0
Length Wtd. (ft)	4.95	Wetted Per. (ft)	10648.07	405.05	3473.47
Min Ch El (ft)	573.90	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	22999.67	1338.75	8579.12
C & E Loss (ft)		Cum SA (acres)	186.49	7.49	64.30

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1921.24*

INPUT
Description:
Station Elevation Data num= 35

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10600	600	10700	573.88	10800	573.88	11000	600	12502.72	609.82
12803.27	609.91	13141.02	641.63	13203.99	648.33	13335.66	656.17	13404.36	659.55
13724.94	660.31	13805.08	660.22	14016.9	671.57	14211.53	682.21	14406.17	695

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10600	.15	11000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10600	11000	4.95	4.95	4.95	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.95	4.95	4.95
Crit W.S. (ft)		Flow Area (sq ft)	1299387.00	70654.05	443101.40
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1299387.00	70654.05	443101.40
Q Total (cfs)	3606.36	Flow (cfs)	2539.40	175.21	891.75
Top Width (ft)	14406.17	Top Width (ft)	10600.00	400.00	3406.17
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	186.43	Hydr. Depth (ft)	122.58	176.64	130.09
Conv. Total (cfs)	449737600.0	Conv. (cfs)	316680300.0	21850300.0	111207000.0
Length Wtd. (ft)	4.95	Wetted Per. (ft)	10648.07	405.05	3474.69
Min Ch El (ft)	573.88	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	22852.01	1330.72	8528.79
C & E Loss (ft)		Cum SA (acres)	185.28	7.45	63.91

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1916.29*

INPUT
Description:
Station Elevation Data num= 35

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10600	600	10700	573.85	10800	573.85	11000	600	12503.27	609.78
12803.92	609.88	13141.8	641.22	13204.79	648	13336.51	656.08	13405.23	659.46
13725.93	660.37	13806.1	660.27	14017.99	671.42	14212.7	681.91	14407.41	695

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10600	.15	11000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10600	11000	4.95	4.95	4.95	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.95	4.95	4.95
Crit W.S. (ft)		Flow Area (sq ft)	1299387.00	70661.55	443515.40
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1299387.00	70661.55	443515.40
Q Total (cfs)	3605.86	Flow (cfs)	2538.20	175.16	892.50
Top Width (ft)	14407.41	Top Width (ft)	10600.00	400.00	3407.41
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	186.46	Hydr. Depth (ft)	122.58	176.65	130.16
Conv. Total (cfs)	449888100.0	Conv. (cfs)	316680300.0	21853760.0	111354000.0
Length Wtd. (ft)	4.95	Wetted Per. (ft)	10648.07	405.06	3475.91
Min Ch El (ft)	573.85	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	22704.36	1322.69	8478.41
C & E Loss (ft)		Cum SA (acres)	184.08	7.40	63.52

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1911.34*

INPUT
Description:
Station Elevation Data num= 35

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10600	600	10700	573.83	10800	573.83	11000	600	12503.81	609.74
12804.58	609.86	13142.57	640.81	3205.59	647.66	13337.35	656	13406.1	659.36

```
13726.91  660.4313807.12  660.3114019.08  671.2714213.86  681.6214408.64     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70666.55
 443932.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70666.55
 443932.00
  Q Total (cfs)            3605.36    Flow (cfs)               2537.00     175.09
 893.27
  Top Width (ft)          14408.64    Top Width (ft)          10600.00     400.00
3408.64
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         186.48    Hydr. Depth (ft)          122.58     176.67
 130.24
  Conv. Total (cfs)       450038700.0    Conv. (cfs)             316680300.0
21856060.0   111502300.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.07
3477.13
  Min Ch El (ft)            573.83    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22556.70    1314.66
8427.99
  C & E Loss (ft)                     Cum SA (acres)            182.87       7.36
  63.14



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1906.39*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700   573.8   10800   573.8   11000     60012504.36  609.71
```

```
12805.23  609.8413143.35  640.3813206.39  647.33 13338.2  655.9213406.97  659.27
 13727.9  660.4913808.13  660.3614020.18  671.1214215.03  681.3314409.88     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)              4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70674.05
 444336.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70674.05
 444336.40
  Q Total (cfs)            3604.86    Flow (cfs)               2535.82     175.04
 894.00
  Top Width (ft)          14409.88    Top Width (ft)          10600.00     400.00
3409.88
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         186.51    Hydr. Depth (ft)          122.58     176.69
 130.31
  Conv. Total (cfs)       450185200.0    Conv. (cfs)             316680300.0
21859510.0   111645300.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.08
3478.36
  Min Ch El (ft)            573.80    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22409.04    1306.63
8377.52
  C & E Loss (ft)                     Cum SA (acres)            181.67       7.31
  62.75



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1901.44*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
```

```
   10600     600   10700  573.78   10800  573.78   11000     600 12504.9  609.67
12805.88  609.8213144.13  639.9713207.19  646.9913339.05  655.8413407.84  659.18
13728.89  660.5613809.15   660.414021.27  670.9614216.19  681.0414411.11     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)              4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70679.04
 444749.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70679.04
 444749.80
  Q Total (cfs)            3604.36    Flow (cfs)               2534.63     174.98
 894.76
  Top Width (ft)          14411.11    Top Width (ft)          10600.00     400.00
3411.11
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         186.53    Hydr. Depth (ft)          122.58     176.70
 130.38
  Conv. Total (cfs)       450334400.0    Conv. (cfs)             316680300.0
21861810.0   111792300.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.09
3479.59
  Min Ch El (ft)            573.78    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22261.38    1298.60
8327.01
  C & E Loss (ft)                     Cum SA (acres)            180.46       7.27
  62.36


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1896.49*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
```

```
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.75   10800  573.75   11000     60012505.45  609.63
12806.54  609.81 13144.9  639.5513207.99  646.6613339.89  655.7613408.71  659.09
13729.88  660.6213810.17  660.4514022.36  670.8114217.35  680.7414412.35     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70686.55
 445162.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70686.55
 445162.00
  Q Total (cfs)            3603.86    Flow (cfs)               2533.43     174.92
 895.50
  Top Width (ft)          14412.35    Top Width (ft)          10600.00     400.00
3412.35
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         186.56    Hydr. Depth (ft)          122.58     176.72
 130.46
  Conv. Total (cfs)       450484200.0    Conv. (cfs)             316680300.0
21865260.0   111938600.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.10
3480.82
  Min Ch El (ft)            573.75    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    22113.72    1290.56
8276.44
  C & E Loss (ft)                     Cum SA (acres)            179.26       7.22
  61.97



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1891.54*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
```

```
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.73   10800  573.73   11000     60012505.99   609.6
12807.19  609.7913145.68  639.1413208.79  646.3313340.74  655.6813409.59     659
13730.86  660.6813811.18  660.4914023.46  670.6614218.52  680.4514413.58     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70691.55
 445565.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70691.55
 445565.80
  Q Total (cfs)            3603.36    Flow (cfs)               2532.26     174.86
 896.23
  Top Width (ft)          14413.58    Top Width (ft)          10600.00     400.00
3413.58
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         186.58    Hydr. Depth (ft)          122.58     176.73
 130.53
  Conv. Total (cfs)       450629400.0    Conv. (cfs)             316680300.0
21867570.0   112081500.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.11
3482.05
  Min Ch El (ft)            573.73    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21966.06    1282.53
8225.83
  C & E Loss (ft)                     Cum SA (acres)            178.06       7.18
  61.59



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1886.59*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
```

```
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700   573.7   10800   573.7   11000     60012506.54  609.56
12807.84  609.7713146.46  638.7213209.59  645.9913341.59   655.613410.46  658.91
13731.85  660.74 13812.2  660.5414024.55  670.5114219.68  680.1614414.81     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70699.05
 445980.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70699.05
 445980.00
  Q Total (cfs)            3602.86    Flow (cfs)               2531.06     174.80
 896.99
  Top Width (ft)          14414.81    Top Width (ft)          10600.00     400.00
3414.81
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         186.61    Hydr. Depth (ft)          122.58     176.75
 130.60
  Conv. Total (cfs)       450780200.0    Conv. (cfs)             316680300.0
21871020.0   112228900.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.12
3483.27
  Min Ch El (ft)            573.70    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21818.41    1274.50
8175.18
  C & E Loss (ft)                     Cum SA (acres)            176.85       7.13
  61.20



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1881.64*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
```

```
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.68   10800  573.68   11000     60012507.08  609.52
 12808.5  609.7513147.23   638.313210.38  645.6613342.43  655.5213411.33  658.82
13732.84   660.813813.22  660.5814025.64  670.3514220.85  679.8714416.05     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70704.05
 446397.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70704.05
 446397.70
  Q Total (cfs)            3602.36    Flow (cfs)               2529.87     174.74
 897.75
  Top Width (ft)          14416.05    Top Width (ft)          10600.00     400.00
3416.05
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         186.63    Hydr. Depth (ft)          122.58     176.76
 130.68
  Conv. Total (cfs)       450931000.0    Conv. (cfs)             316680300.0
21873320.0   112377400.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.13
3484.51
  Min Ch El (ft)            573.68    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21670.75    1266.46
8124.47
  C & E Loss (ft)                     Cum SA (acres)            175.65       7.09
  60.81


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1876.69*

INPUT
Description:
Station Elevation Data    num=      35
```

```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.65   10800  573.65   11000     60012507.62  609.48
12809.15  609.7313148.01  637.8913211.18  645.3213343.28  655.44 13412.2  658.73
13733.83  660.8613814.23  660.6314026.74   670.214222.01  679.5814417.28     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70711.54
 446810.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70711.54
 446810.30
  Q Total (cfs)            3601.85    Flow (cfs)               2528.67     174.68
 898.50
  Top Width (ft)          14417.28    Top Width (ft)          10600.00     400.00
3417.28
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         186.66    Hydr. Depth (ft)          122.58     176.78
 130.75
  Conv. Total (cfs)       451081200.0    Conv. (cfs)             316680300.0
21876760.0   112524100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.14
3485.75
  Min Ch El (ft)            573.65    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21523.09    1258.43
8073.72
  C & E Loss (ft)                     Cum SA (acres)            174.44       7.04
  60.42


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1871.74*

INPUT
Description:
```

```
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.63   10800  573.63   11000     60012508.17  609.45
 12809.8  609.7113148.78  637.4713211.98  644.9913344.13  655.3513413.07  658.64
13734.81  660.9313815.25  660.6714027.83  670.0514223.17  679.2814418.52     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)              4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70716.55
 447218.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70716.55
 447218.00
  Q Total (cfs)            3601.35    Flow (cfs)               2527.50     174.62
 899.23
  Top Width (ft)          14418.52    Top Width (ft)          10600.00     400.00
3418.52
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         186.68    Hydr. Depth (ft)          122.58     176.79
 130.82
  Conv. Total (cfs)       451227800.0    Conv. (cfs)             316680300.0
21879070.0   112668500.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.15
3486.99
  Min Ch El (ft)            573.63    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    21375.43    1250.39
8022.93
  C & E Loss (ft)                     Cum SA (acres)            173.24       6.99
  60.03


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1866.79*

INPUT
```

Description:
Station Elevation Data num= 35

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10600	600	10700	573.6	10800	573.6	11000	600	12508.71	609.41
12810.46	609.69	13149.56	637.05	13212.78	644.66	13344.97	655.27	13413.94	658.55
13735.8	660.99	13816.27	660.72	14028.92	669.91	14224.34	678.99	14419.75	695

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10600	.15	11000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10600	11000	4.95	4.95	4.95	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.95	4.95	4.95
Crit W.S. (ft)		Flow Area (sq ft)	1299387.00	70724.05	447632.30
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1299387.00	70724.05	447632.30
Q Total (cfs)	3600.85	Flow (cfs)	2526.30	174.57	899.98
Top Width (ft)	14419.75	Top Width (ft)	10600.00	400.00	3419.75
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	186.71	Hydr. Depth (ft)	122.58	176.81	130.90
Conv. Total (cfs)	451378700.0	Conv. (cfs)	316680300.0	21882520.0	112815800.0
Length Wtd. (ft)	4.95	Wetted Per. (ft)	10648.07	405.16	3488.22
Min Ch El (ft)	573.60	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	21227.77	1242.36	7972.08
C & E Loss (ft)		Cum SA (acres)	172.03	6.95	59.64

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1861.83*

INPUT
Description:
Station Elevation Data num= 35

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10600	600	10700	573.58	10800	573.58	11000	600	12509.26	609.37
12811.11	609.67	13150.33	636.64	13213.58	644.32	13345.82	655.19	13414.81	658.46
13736.79	661.05	13817.28	660.76	14030.02	669.74	14225.5	678.71	14420.99	695

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10600	.15	11000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10600	11000	4.95	4.95	4.95	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.95	4.95	4.95
Crit W.S. (ft)		Flow Area (sq ft)	1299387.00	70729.05	448049.70
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1299387.00	70729.05	448049.70
Q Total (cfs)	3600.35	Flow (cfs)	2525.11	174.50	900.74
Top Width (ft)	14420.99	Top Width (ft)	10600.00	400.00	3420.99
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	186.73	Hydr. Depth (ft)	122.58	176.82	130.97
Conv. Total (cfs)	451529400.0	Conv. (cfs)	316680300.0	21884820.0	112964200.0
Length Wtd. (ft)	4.95	Wetted Per. (ft)	10648.07	405.17	3489.47
Min Ch El (ft)	573.58	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	21080.12	1234.32	7921.19
C & E Loss (ft)		Cum SA (acres)	170.83	6.90	59.26

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1856.88*

INPUT
Description:
Station Elevation Data num= 35

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10600	600	10700	573.56	10800	573.56	11000	600	12509.8	609.34
12811.76	609.65	13151.11	636.22	13214.38	643.99	13346.67	655.11	13415.69	658.37
13737.78	661.11	13818.3	660.81	14031.11	669.59	14226.67	678.41	14422.22	695

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10600	.15	11000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10600	11000	4.95	4.95	4.95	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.95	4.95	4.95
Crit W.S. (ft)		Flow Area (sq ft)	1299387.00	70734.05	448455.10
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1299387.00	70734.05	448455.10
Q Total (cfs)	3599.85	Flow (cfs)	2523.94	174.44	901.47
Top Width (ft)	14422.22	Top Width (ft)	10600.00	400.00	3422.22
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	186.75	Hydr. Depth (ft)	122.58	176.84	131.04
Conv. Total (cfs)	451675300.0	Conv. (cfs)	316680300.0	21887120.0	113107900.0
Length Wtd. (ft)	4.95	Wetted Per. (ft)	10648.07	405.18	3490.71
Min Ch El (ft)	573.56	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	20932.46	1226.28	7870.25
C & E Loss (ft)		Cum SA (acres)	169.62	6.86	58.87

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK

REACH: SC RS: 1851.93*

INPUT
Description:
Station Elevation Data num= 35

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10600	600	10700	573.53	10800	573.53	11000	600	12510.35	609.3
12812.42	609.6	13151.89	635.8	13215.18	643.6	13347.51	655.0	13416.56	658.28
13738.77	661.1	13819.32	660.8	14032.21	669.4	14227.83	678.1	14423.46	695

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10600	.15	11000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10600	11000	4.95	4.95	4.95	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.95	4.95	4.95
Crit W.S. (ft)		Flow Area (sq ft)	1299387.00	70741.54	448871.00
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1299387.00	70741.54	448871.00
Q Total (cfs)	3599.35	Flow (cfs)	2522.75	174.39	902.22
Top Width (ft)	14423.46	Top Width (ft)	10600.00	400.00	3423.46
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	186.78	Hydr. Depth (ft)	122.58	176.85	131.12
Conv. Total (cfs)	451826600.0	Conv. (cfs)	316680300.0	21890570.0	113255700.0
Length Wtd. (ft)	4.95	Wetted Per. (ft)	10648.07	405.19	3491.96
Min Ch El (ft)	573.53	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	20784.80	1218.24	7819.27
C & E Loss (ft)		Cum SA (acres)	168.42	6.81	58.48

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1846.98*

INPUT
Description:
Station Elevation Data num= 35

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10600	600	10700	573.51	10800	573.51	11000	600	12510.89	609.26
12813.07	609.61	13152.66	635.39	13215.98	643.32	13348.36	654.95	13417.43	658.18
13739.75	661.23	13820.33	660.9	14033.3	669.29	14228.99	677.82	14424.69	695

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10600	.15	11000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10600	11000	4.95	4.95	4.95	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.95	4.95	4.95
Crit W.S. (ft)		Flow Area (sq ft)	1299387.00	70746.55	449289.40
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1299387.00	70746.55	449289.40
Q Total (cfs)	3598.87	Flow (cfs)	2521.56	174.32	902.98
Top Width (ft)	14424.69	Top Width (ft)	10600.00	400.00	3424.69
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	186.80	Hydr. Depth (ft)	122.58	176.87	131.19
Conv. Total (cfs)	451978000.0	Conv. (cfs)	316680300.0	21892870.0	113404800.0
Length Wtd. (ft)	4.95	Wetted Per. (ft)	10648.07	405.20	3493.21
Min Ch El (ft)	573.51	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	20637.14	1210.20	7768.24
C & E Loss (ft)		Cum SA (acres)	167.21	6.77	58.09

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

```
RIVER: SQUAW CREEK
REACH: SC                 RS: 1842.03*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.48   10800  573.48   11000     60012511.44  609.23
12813.73  609.5913153.44  634.9713216.78  642.9813349.21  654.87 13418.3  658.09
13740.74   661.313821.35  660.9414034.39  669.1414230.16  677.5314425.93     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70754.05
 449696.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70754.05
 449696.70
  Q Total (cfs)            3598.38    Flow (cfs)               2520.40     174.27
 903.71
  Top Width (ft)          14425.93    Top Width (ft)          10600.00     400.00
3425.93
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         186.83    Hydr. Depth (ft)          122.58     176.89
 131.26
  Conv. Total (cfs)       452125700.0    Conv. (cfs)             316680300.0
21896320.0   113549000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.21
3494.46
  Min Ch El (ft)            573.48    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    20489.48    1202.16
7717.16
  C & E Loss (ft)                     Cum SA (acres)            166.01       6.72
  57.70


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION
```

RIVER: SQUAW CREEK
REACH: SC RS: 1837.08*

INPUT
Description:
Station Elevation Data num= 35

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10600	600	10700	573.46	10800	573.46	11000	600	12511.98	609.19
12814.38	609.57	13154.21	634.56	13217.57	642.65	13350.05	654.79	13419.17	658
13741.73	661.36	13822.37	660.99	14035.49	668.98	14231.32	677.24	14427.16	695

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10600	.15	11000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10600	11000	4.95	4.95	4.95	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.95	4.95	4.95
Crit W.S. (ft)		Flow Area (sq ft)	1299387.00	70759.05	450111.60
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1299387.00	70759.05	450111.60
Q Total (cfs)	3597.89	Flow (cfs)	2519.22	174.21	904.47
Top Width (ft)	14427.16	Top Width (ft)	10600.00	400.00	3427.16
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	186.85	Hydr. Depth (ft)	122.58	176.90	131.34
Conv. Total (cfs)	452275600.0	Conv. (cfs)	316680300.0	21898620.0	113696600.0
Length Wtd. (ft)	4.95	Wetted Per. (ft)	10648.07	405.22	3495.71
Min Ch El (ft)	573.46	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	20341.82	1194.12	7666.03
C & E Loss (ft)		Cum SA (acres)	164.81	6.68	57.31

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1832.13*

INPUT
Description:
Station Elevation Data num= 35

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10600	600	10700	573.43	10800	573.43	11000	60012512.53		609.15
12815.03	609.5513154.99		634.1413218.37		642.32 13350.9		654.7113420.04		657.91
13742.72	661.4213823.38		661.0314036.58		668.8314232.49		676.95 14428.4		695

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10600	.15	11000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10600	11000	4.95	4.95	4.95	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.95	4.95	4.95
Crit W.S. (ft)		Flow Area (sq ft)	1299387.00	70766.55	450529.30
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1299387.00	70766.55	450529.30
Q Total (cfs)	3597.40	Flow (cfs)	2518.03	174.15	905.22
Top Width (ft)	14428.40	Top Width (ft)	10600.00	400.00	3428.40
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	186.88	Hydr. Depth (ft)	122.58	176.92	131.41
Conv. Total (cfs)	452427600.0	Conv. (cfs)	316680300.0	21902070.0	113845200.0
Length Wtd. (ft)	4.95	Wetted Per. (ft)	10648.07	405.23	3496.97
Min Ch El (ft)	573.43	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	20194.17	1186.08	7614.86
C & E Loss (ft)		Cum SA (acres)	163.60	6.63	56.92

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1827.18*

INPUT
Description:
Station Elevation Data num= 35

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10600	600	10700	573.41	10800	573.41	11000	600	12513.07	609.12
12815.69	609.53	13155.77	633.72	13219.17	641.98	13351.75	654.62	13420.92	657.82
13743.7	661.48	13824.4	661.07	14037.67	668.68	14233.65	676.65	14429.63	695

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10600	.15	11000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10600	11000	4.95	4.95	4.95	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.95	4.95	4.95
Crit W.S. (ft)		Flow Area (sq ft)	1299387.00	70771.55	450941.10
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1299387.00	70771.55	450941.10
Q Total (cfs)	3596.91	Flow (cfs)	2516.86	174.09	905.96
Top Width (ft)	14429.63	Top Width (ft)	10600.00	400.00	3429.63
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	186.90	Hydr. Depth (ft)	122.58	176.93	131.48
Conv. Total (cfs)	452576300.0	Conv. (cfs)	316680300.0	21904370.0	113991600.0
Length Wtd. (ft)	4.95	Wetted Per. (ft)	10648.07	405.23	3498.22
Min Ch El (ft)	573.41	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	20046.51	1178.04	7563.64
C & E Loss (ft)		Cum SA (acres)	162.40	6.59	56.53

Warning: The cross-section end points had to be extended vertically for the computed

water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1822.23*

INPUT
Description:
Station Elevation Data num= 35

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10600	600	10700	573.38	10800	573.38	11000	60012513.62		609.08
12816.34	609.5113156.54		633.3113219.97		641.6513352.59		654.5413421.79		657.73
13744.69	661.5413825.42		661.1214038.77		668.5314234.81		676.3614430.86		695

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10600	.15	11000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10600	11000	4.95	4.95	4.95	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.95	4.95	4.95
Crit W.S. (ft)		Flow Area (sq ft)	1299387.00	70779.05	451354.60
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1299387.00	70779.05	451354.60
Q Total (cfs)	3596.42	Flow (cfs)	2515.68	174.03	906.71
Top Width (ft)	14430.86	Top Width (ft)	10600.00	400.00	3430.86
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	186.93	Hydr. Depth (ft)	122.58	176.95	131.56
Conv. Total (cfs)	452726700.0	Conv. (cfs)	316680300.0	21907810.0	114138600.0
Length Wtd. (ft)	4.95	Wetted Per. (ft)	10648.07	405.25	3499.47
Min Ch El (ft)	573.38	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19898.85	1170.00	7512.37
C & E Loss (ft)		Cum SA (acres)	161.19	6.54	56.14

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1817.28*

INPUT
Description:
Station Elevation Data num= 35

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10600	600	10700	573.36	10800	573.36	11000	60012514.16		609.04
12816.99	609.4913157.32		632.8913220.77		641.3113353.44		654.4613422.66		657.64
13745.68	661.613826.43		661.1614039.86		668.3714235.98		676.07 14432.1		695

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10600	.15	11000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10600	11000	4.95	4.95	4.95	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.95	4.95	4.95
Crit W.S. (ft)		Flow Area (sq ft)	1299387.00	70784.05	451775.80
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1299387.00	70784.05	451775.80
Q Total (cfs)	3595.93	Flow (cfs)	2514.49	173.97	907.47
Top Width (ft)	14432.10	Top Width (ft)	10600.00	400.00	3432.10
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	186.95	Hydr. Depth (ft)	122.58	176.96	131.63
Conv. Total (cfs)	452879100.0	Conv. (cfs)	316680300.0	21910110.0	114288600.0
Length Wtd. (ft)	4.95	Wetted Per. (ft)	10648.07	405.25	3500.73
Min Ch El (ft)	573.36	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19751.19	1161.95	7461.06
C & E Loss (ft)		Cum SA (acres)	159.99	6.49	55.75

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1812.33*

INPUT
Description:
Station Elevation Data num= 35

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10600	600	10700	573.33	10800	573.33	11000	600	12514.71	609.01
12817.65	609.47	13158.09	632.48	13221.57	640.98	13354.29	654.38	13423.53	657.55
13746.67	661.67	13827.45	661.21	14040.95	668.22	14237.14	675.78	14433.33	695

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10600	.15	11000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10600	11000	4.95	4.95	4.95	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.95	4.95	4.95
Crit W.S. (ft)		Flow Area (sq ft)	1299387.00	70791.55	452178.70
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1299387.00	70791.55	452178.70
Q Total (cfs)	3595.44	Flow (cfs)	2513.34	173.92	908.19
Top Width (ft)	14433.33	Top Width (ft)	10600.00	400.00	3433.33
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	186.98	Hydr. Depth (ft)	122.58	176.98	131.70
Conv. Total (cfs)	453025100.0	Conv. (cfs)	316680300.0	21913560.0	114431200.0
Length Wtd. (ft)	4.95	Wetted Per. (ft)	10648.07	405.27	3501.99
Min Ch El (ft)	573.33	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19603.53	1153.91	7409.70
C & E Loss (ft)		Cum SA (acres)	158.78	6.45	55.36

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1807.38*

INPUT
Description:
Station Elevation Data num= 35

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10600	600	10700	573.31	10800	573.31	11000	600	12515.25	608.97
12818.3	609.45	13158.87	632.06	13222.37	640.65	13355.13	654.3	13424.4	657.46
13747.65	661.73	13828.47	661.25	14042.05	668.07	14238.31	675.49	14434.57	695

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10600	.15	11000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10600	11000	4.95	4.95	4.95	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.95	4.95	4.95
Crit W.S. (ft)		Flow Area (sq ft)	1299387.00	70796.55	452597.30
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1299387.00	70796.55	452597.30
Q Total (cfs)	3594.95	Flow (cfs)	2512.16	173.85	908.94
Top Width (ft)	14434.57	Top Width (ft)	10600.00	400.00	3434.57
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	187.00	Hydr. Depth (ft)	122.58	176.99	131.78
Conv. Total (cfs)	453176300.0	Conv. (cfs)	316680300.0	21915860.0	114580200.0
Length Wtd. (ft)	4.95	Wetted Per. (ft)	10648.07	405.27	3503.25
Min Ch El (ft)	573.31	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19455.88	1145.87	7358.29
C & E Loss (ft)		Cum SA (acres)	157.58	6.40	54.97

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1802.43*

INPUT
Description:
Station Elevation Data num= 35

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10600	600	10700	573.28	10800	573.28	11000	600	12515.79	608.93
12818.95	609.44	13159.65	631.64	13223.17	640.31	13355.98	654.22	13425.27	657.37
13748.64	661.79	13829.48	661.31	14043.14	667.92	14239.47	675.19	14435.8	695

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10600	.15	11000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10600	11000	4.95	4.95	4.95	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.95	4.95	4.95
Crit W.S. (ft)		Flow Area (sq ft)	1299387.00	70804.04	453013.30
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1299387.00	70804.04	453013.30
Q Total (cfs)	3594.47	Flow (cfs)	2510.98	173.80	909.69
Top Width (ft)	14435.80	Top Width (ft)	10600.00	400.00	3435.80
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	187.03	Hydr. Depth (ft)	122.58	177.01	131.85
Conv. Total (cfs)	453327900.0	Conv. (cfs)	316680300.0	21919300.0	114728300.0
Length Wtd. (ft)	4.95	Wetted Per. (ft)	10648.07	405.29	3504.51
Min Ch El (ft)	573.28	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19308.22	1137.82	7306.84
C & E Loss (ft)		Cum SA (acres)	156.37	6.36	

54.58

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1797.48*

INPUT
Description:
Station Elevation Data num= 35

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10600	600	10700	573.26	10800	573.26	11000	600	12516.34	608.9
12819.61	609.42	13160.42	631.23	13223.96	639.98	13356.83	654.14	13426.14	657.28
13749.63	661.85	13830.5	661.34	14044.23	667.77	14240.63	674.91	14437.04	695

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10600	.15	11000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10600	11000	4.95	4.95	4.95	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.95	4.95	4.95
Crit W.S. (ft)		Flow Area (sq ft)	1299387.00	70809.05	453420.80
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1299387.00	70809.05	453420.80
Q Total (cfs)	3593.98	Flow (cfs)	2509.82	173.74	910.41
Top Width (ft)	14437.04	Top Width (ft)	10600.00	400.00	3437.04
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	187.05	Hydr. Depth (ft)	122.58	177.02	131.92
Conv. Total (cfs)	453474500.0	Conv. (cfs)	316680300.0	21921610.0	114872500.0
Length Wtd. (ft)	4.95	Wetted Per. (ft)	10648.07	405.29	3505.78
Min Ch El (ft)	573.26	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	19160.56	1129.77	7255.33

```
  C & E Loss (ft)                     Cum SA (acres)            155.17       6.31
  54.19


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1792.53*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.23   10800  573.23   11000     60012516.88  608.86
12820.26   609.4 13161.2  630.8113224.76  639.6413357.67  654.0613427.01  657.19
13750.62  661.9113831.52  661.3914045.33  667.61 14241.8  674.6114438.27     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70816.55
 453840.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70816.55
 453840.60
  Q Total (cfs)            3593.49    Flow (cfs)               2508.64     173.68
 911.17
  Top Width (ft)          14438.27    Top Width (ft)          10600.00     400.00
3438.27
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.08    Hydr. Depth (ft)          122.58     177.04
 132.00
  Conv. Total (cfs)       453627600.0    Conv. (cfs)             316680300.0
21925060.0   115022300.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.30
3507.05
  Min Ch El (ft)            573.23    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    19012.90    1121.73
```

7203.78
C & E Loss (ft) Cum SA (acres) 153.96 6.27
53.80

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1787.58*

INPUT
Description:
Station Elevation Data num= 35

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10600	600	10700	573.21	10800	573.21	11000	600	12517.43	608.82
12820.92	609.38	13161.98	630.41	3225.56	639.31	13358.52	653.98	13427.89	657.1
13751.6	661.98	13832.53	661.43	14046.42	667.46	14242.96	674.32	14439.51	695

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10600	.15	11000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10600	11000	4.95	4.95	4.95	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.95	4.95	4.95
Crit W.S. (ft)		Flow Area (sq ft)	1299387.00	70821.55	454255.80
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1299387.00	70821.55	454255.80
Q Total (cfs)	3592.99	Flow (cfs)	2507.46	173.62	911.91
Top Width (ft)	14439.51	Top Width (ft)	10600.00	400.00	3439.51
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	187.10	Hydr. Depth (ft)	122.58	177.05	132.07
Conv. Total (cfs)	453777500.0	Conv. (cfs)	316680300.0	21927350.0	115169800.0
Length Wtd. (ft)	4.95	Wetted Per. (ft)	10648.07	405.31	3508.32
Min Ch El (ft)	573.21	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00

```
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18865.24    1113.68
7152.19
  C & E Loss (ft)                     Cum SA (acres)            152.76       6.22
  53.41


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1782.63*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.19   10800  573.19   11000     60012517.97  608.79
12821.57  609.3613162.75  629.9813226.36  638.9813359.37  653.8913428.76     657
13752.59  662.0413833.55  661.4814047.51  667.3114244.13  674.0214440.74     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70826.55
 454668.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70826.55
 454668.90
  Q Total (cfs)            3592.49    Flow (cfs)               2506.29     173.56
 912.64
  Top Width (ft)          14440.74    Top Width (ft)          10600.00     400.00
3440.74
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.12    Hydr. Depth (ft)          122.58     177.07
 132.14
  Conv. Total (cfs)       453926600.0    Conv. (cfs)             316680300.0
21929650.0   115316600.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.32
3509.59
  Min Ch El (ft)            573.19    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
```

```
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18717.58    1105.63
7100.54
  C & E Loss (ft)                     Cum SA (acres)            151.56       6.18
  53.02


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1777.67*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.16   10800  573.16   11000     60012518.52  608.75
12822.22  609.3413163.53  629.5613227.16  638.6413360.21  653.8113429.63  656.91
13753.58   662.113834.57  661.5214048.61  667.1614245.29  673.7314441.98     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70834.05
 455089.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70834.05
 455089.40
  Q Total (cfs)            3591.98    Flow (cfs)               2505.09     173.50
 913.39
  Top Width (ft)          14441.98    Top Width (ft)          10600.00     400.00
3441.98
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.15    Hydr. Depth (ft)          122.58     177.09
 132.22
  Conv. Total (cfs)       454079800.0    Conv. (cfs)             316680300.0
21933100.0   115466400.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.33
3510.87
  Min Ch El (ft)            573.16    Shear (lb/sq ft)            0.00       0.00
   0.00
```

```
  Alpha                        1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    18569.93    1097.58
7048.85
  C & E Loss (ft)                      Cum SA (acres)            150.35       6.13
  52.63


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1772.72*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.14   10800  573.14   11000     60012519.06  608.71
12822.88  609.32 13164.3  629.1513227.96  638.3113361.06  653.73 13430.5  656.82
13754.57  662.1613835.58  661.57 14049.7     66714246.46  673.4414443.21     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)              4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70839.05
 455506.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70839.05
 455506.80
  Q Total (cfs)            3591.48    Flow (cfs)               2503.91     173.44
 914.14
  Top Width (ft)          14443.21    Top Width (ft)          10600.00     400.00
3443.21
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.17    Hydr. Depth (ft)          122.58     177.10
 132.29
  Conv. Total (cfs)       454230800.0    Conv. (cfs)             316680300.0
21935390.0   115615100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.34
3512.13
  Min Ch El (ft)            573.14    Shear (lb/sq ft)            0.00       0.00
```

```
   0.00
  Alpha                        1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    18422.27    1089.53
6997.12
  C & E Loss (ft)                      Cum SA (acres)            149.15       6.09
  52.24


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1767.77*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.11   10800  573.11   11000     60012519.61  608.67
12823.53   609.313165.08  628.7313228.76  637.9713361.91  653.6513431.37  656.73
13755.56  662.22 13836.6  661.6114050.79  666.8514247.62  673.1514444.44     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)              4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70846.55
 455927.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70846.55
 455927.10
  Q Total (cfs)            3590.98    Flow (cfs)               2502.71     173.38
 914.89
  Top Width (ft)          14444.44    Top Width (ft)          10600.00     400.00
3444.44
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.20    Hydr. Depth (ft)          122.58     177.12
 132.37
  Conv. Total (cfs)       454384200.0    Conv. (cfs)             316680300.0
21938840.0   115765000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.35
3513.41
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```
  Min Ch El (ft)            573.11    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18274.61    1081.48
6945.33
  C & E Loss (ft)                     Cum SA (acres)            147.94       6.04
  51.84


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1762.82*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.09   10800  573.09   11000     60012520.15  608.64
12824.18  609.2813165.86  628.3113229.56  637.6413362.75  653.5713432.24  656.64
13756.54  662.2813837.62  661.6614051.89   666.714248.78  672.8614445.68     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70851.54
 456336.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70851.54
 456336.30
  Q Total (cfs)            3590.47    Flow (cfs)               2501.55     173.32
 915.61
  Top Width (ft)          14445.68    Top Width (ft)          10600.00     400.00
3445.68
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.22    Hydr. Depth (ft)          122.58     177.13
 132.44
  Conv. Total (cfs)       454531500.0    Conv. (cfs)             316680300.0
21941130.0   115910000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.36
```

```
3514.69
  Min Ch El (ft)            573.09    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    18126.95    1073.43
6893.50
  C & E Loss (ft)                     Cum SA (acres)            146.74       5.99
  51.45


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1757.87*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.06   10800  573.06   11000     600 12520.7   608.6
12824.84  609.2613166.63   627.913230.36  637.31 13363.6  653.4913433.12  656.55
13757.53  662.3513838.63   661.714052.98  666.5514249.95  672.5614446.91     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70859.05
 456754.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70859.05
 456754.00
  Q Total (cfs)            3589.97    Flow (cfs)               2500.36     173.26
 916.35
  Top Width (ft)          14446.91    Top Width (ft)          10600.00     400.00
3446.91
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.25    Hydr. Depth (ft)          122.58     177.15
 132.51
  Conv. Total (cfs)       454683700.0    Conv. (cfs)             316680300.0
21944580.0   116058800.0
```

Length Wtd. (ft)	4.95	Wetted Per. (ft)	10648.07	405.37	3515.97
Min Ch El (ft)	573.06	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	17979.29	1065.38	6841.62
C & E Loss (ft)		Cum SA (acres)	145.53	5.95	51.06

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1752.92*

INPUT
Description:
Station Elevation Data num= 35

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10600	600	10700	573.04	10800	573.04	11000	600	12521.24	608.56
12825.49	609.24	13167.41	627.48	13231.15	636.97	13364.44	653.41	13433.99	656.46
13758.52	662.41	13839.65	661.75	14054.07	666.41	14251.11	672.27	14448.15	695

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10600	.15	11000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10600	11000	4.95	4.95	4.95	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.95	4.95	4.95
Crit W.S. (ft)		Flow Area (sq ft)	1299387.00	70864.05	457173.80
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1299387.00	70864.05	457173.80
Q Total (cfs)	3589.47	Flow (cfs)	2499.18	173.20	917.09
Top Width (ft)	14448.15	Top Width (ft)	10600.00	400.00	3448.15
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	187.27	Hydr. Depth (ft)	122.58	177.16	132.59
Conv. Total (cfs)	454835500.0	Conv. (cfs)	316680300.0		

```
21946880.0   116208300.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.38
3517.25
  Min Ch El (ft)            573.04    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17831.63    1057.33
6789.69
  C & E Loss (ft)                     Cum SA (acres)            144.33       5.90
  50.67


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1747.97*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  573.01   10800  573.01   11000     60012521.79  608.53
12826.14  609.2213168.18  627.0713231.95  636.6413365.29  653.3313434.86  656.37
13759.51  662.4713840.67  661.7914055.17  666.2414252.27  671.9814449.38     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70871.55
 457584.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70871.55
 457584.40
  Q Total (cfs)            3588.96    Flow (cfs)               2498.01     173.15
 917.81
  Top Width (ft)          14449.38    Top Width (ft)          10600.00     400.00
3449.38
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.30    Hydr. Depth (ft)          122.58     177.18
 132.66
```

Conv. Total (cfs)	454984700.0	Conv. (cfs)	316680300.0	21950320.0	116354100.0	
Length Wtd. (ft)	4.95	Wetted Per. (ft)	10648.07	405.39	3518.53	
Min Ch El (ft)	573.01	Shear (lb/sq ft)	0.00	0.00	0.00	
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00	
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	17683.98	1049.27	6737.71	
C & E Loss (ft)		Cum SA (acres)	143.12	5.86	50.28	

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1743.02*

INPUT
Description:
Station Elevation Data num= 35

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10600	600	10700	572.99	10800	572.99	11000	600	12522.33	608.49
12826.8	609.21	3168.96	626.65	13232.75	636.31	3366.14	653.25	13435.73	656.28
13760.49	662.53	13841.68	661.84	14056.26	666.09	14253.44	671.69	14450.62	695

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10600	.15	11000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10600	11000	4.95	4.95	4.95	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.95	4.95	4.95
Crit W.S. (ft)		Flow Area (sq ft)	1299387.00	70876.55	458004.90
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1299387.00	70876.55	458004.90
Q Total (cfs)	3588.46	Flow (cfs)	2496.82	173.08	918.56
Top Width (ft)	14450.62	Top Width (ft)	10600.00	400.00	3450.62
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	187.32	Hydr. Depth (ft)	122.58	177.19	

```
 132.73
  Conv. Total (cfs)       455136800.0    Conv. (cfs)             316680300.0
21952620.0   116503900.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.40
3519.82
  Min Ch El (ft)            572.99    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17536.32    1041.22
6685.69
  C & E Loss (ft)                     Cum SA (acres)            141.92       5.81
  49.89


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1738.07*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.96   10800  572.96   11000     60012522.88  608.45
12827.45  609.1813169.74  626.2313233.55  635.9713366.98  653.16 13436.6  656.19
13761.48  662.59 13842.7  661.8814057.35  665.94 14254.6   671.414451.85     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70884.05
 458425.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70884.05
 458425.90
  Q Total (cfs)            3587.96    Flow (cfs)               2495.63     173.03
 919.30
  Top Width (ft)          14451.85    Top Width (ft)          10600.00     400.00
3451.85
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
```

Max Chl Dpth (ft)	187.35	Hydr. Depth (ft)	122.58	177.21	132.81	
Conv. Total (cfs)	455290500.0	Conv. (cfs)	316680300.0	21956060.0	116654100.0	
Length Wtd. (ft)	4.95	Wetted Per. (ft)	10648.07	405.41	3521.10	
Min Ch El (ft)	572.96	Shear (lb/sq ft)	0.00	0.00	0.00	
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00	
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	17388.66	1033.17	6633.62	
C & E Loss (ft)		Cum SA (acres)	140.71	5.77	49.49	

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1733.12*

INPUT
Description:
Station Elevation Data num= 35

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10600	600	10700	572.94	10800	572.94	11000	600	12523.42	608.42
12828.1	609.16	13170.51	625.82	13234.35	635.64	13367.83	653.08	13437.47	656.1
13762.47	662.65	13843.72	661.93	14058.45	665.79	14255.77	671.11	14453.09	695

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10600	.15	11000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10600	11000	4.95	4.95	4.95	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB	
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150	
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.95	4.95	4.95	
Crit W.S. (ft)		Flow Area (sq ft)	1299387.00	70889.05	458836.60	
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1299387.00	70889.05	458836.60	
Q Total (cfs)	3587.46	Flow (cfs)	2494.47	172.96	920.02	
Top Width (ft)	14453.09	Top Width (ft)	10600.00	400.00	3453.09	
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00		

```
   0.00
  Max Chl Dpth (ft)         187.37    Hydr. Depth (ft)          122.58     177.22
 132.88
  Conv. Total (cfs)       455438400.0    Conv. (cfs)             316680300.0
21958360.0   116799700.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.42
3522.40
  Min Ch El (ft)            572.94    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17241.00    1025.11
6581.50
  C & E Loss (ft)                     Cum SA (acres)            139.51       5.72
  49.10


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1728.17*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.91   10800  572.91   11000     60012523.96  608.38
12828.76  609.1413171.29   625.413235.15   635.313368.68     65313438.34  656.01
13763.46  662.7213844.73  661.9714059.54  665.6314256.93  670.8114454.32     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70896.55
 459258.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70896.55
 459258.30
  Q Total (cfs)            3586.95    Flow (cfs)               2493.28     172.91
 920.77
  Top Width (ft)          14454.32    Top Width (ft)          10600.00     400.00
3454.32
```

```
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.40    Hydr. Depth (ft)          122.58     177.24
 132.95
  Conv. Total (cfs)       455592300.0    Conv. (cfs)             316680300.0
21961800.0   116950200.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.43
3523.68
  Min Ch El (ft)            572.91    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    17093.34    1017.05
6529.34
  C & E Loss (ft)                     Cum SA (acres)            138.31       5.68
  48.71


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1723.22*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.89   10800  572.89   11000     60012524.51  608.34
12829.41  609.1213172.06  624.9813235.95  634.9713369.52  652.9213439.22  655.92
13764.44  662.7813845.75  662.0214060.63  665.4814258.09  670.5214455.56     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70901.55
 459678.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70901.55
 459678.00
  Q Total (cfs)            3586.45    Flow (cfs)               2492.10     172.85
 921.51
  Top Width (ft)          14455.56    Top Width (ft)          10600.00     400.00
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```
3455.56
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.42    Hydr. Depth (ft)          122.58     177.25
 133.03
  Conv. Total (cfs)       455744100.0    Conv. (cfs)             316680300.0
21964100.0   117099700.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.44
3524.98
  Min Ch El (ft)            572.89    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16945.69    1009.00
6477.13
  C & E Loss (ft)                     Cum SA (acres)            137.10       5.63
  48.32


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1718.27*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.86   10800  572.86   11000     60012525.05  608.31
12830.07   609.113172.84  624.5713236.75  634.6313370.37  652.8413440.09  655.82
13765.43  662.8413846.77  662.0614061.73  665.3314259.26  670.2314456.79     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70909.05
 460091.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70909.05
 460091.10
  Q Total (cfs)            3585.95    Flow (cfs)               2490.93     172.79
 922.23
```

```
  Top Width (ft)          14456.79    Top Width (ft)          10600.00     400.00
3456.79
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.45    Hydr. Depth (ft)          122.58     177.27
 133.10
  Conv. Total (cfs)       455894400.0    Conv. (cfs)             316680300.0
21967540.0   117246500.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.45
3526.27
  Min Ch El (ft)            572.86    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16798.03    1000.94
6424.87
  C & E Loss (ft)                     Cum SA (acres)            135.90       5.59
  47.92


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1713.32*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.84   10800  572.84   11000     600 12525.6  608.27
12830.72  609.0813173.62  624.1513237.55   634.313371.22  652.7613440.96  655.73
13766.42   662.913847.79   662.114062.82  665.1814260.42  669.9314458.02     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70914.04
 460514.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70914.04
 460514.10
  Q Total (cfs)            3585.44    Flow (cfs)               2489.74     172.73
```

```
 922.98
  Top Width (ft)          14458.02    Top Width (ft)          10600.00     400.00
3458.02
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.47    Hydr. Depth (ft)          122.58     177.29
 133.17
  Conv. Total (cfs)       456047700.0    Conv. (cfs)             316680300.0
21969830.0   117397500.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.46
3527.56
  Min Ch El (ft)            572.84    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16650.37     992.88
6372.56
  C & E Loss (ft)                     Cum SA (acres)            134.69       5.54
  47.53


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1708.37*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.81   10800  572.81   11000     60012526.14  608.23
12831.37  609.0713174.39  623.7413238.34  633.9713372.06  652.6813441.83  655.64
13767.41  662.96 13848.8  662.1514063.92  665.0214261.59  669.6414459.26     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70921.55
 460931.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70921.55
 460931.40
```

```
  Q Total (cfs)            3584.94    Flow (cfs)               2488.56     172.67
 923.71
  Top Width (ft)          14459.26    Top Width (ft)          10600.00     400.00
3459.26
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.50    Hydr. Depth (ft)          122.58     177.30
 133.25
  Conv. Total (cfs)       456199600.0    Conv. (cfs)             316680300.0
21973280.0   117546000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.47
3528.87
  Min Ch El (ft)            572.81    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16502.71     984.82
6320.21
  C & E Loss (ft)                     Cum SA (acres)            133.49       5.49
  47.14


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1703.42*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.79   10800  572.79   11000     60012526.69   608.2
12832.03  609.0513175.17  623.3213239.14  633.6313372.91   652.6 13442.7  655.55
 13768.4  663.0213849.82  662.1914065.01  664.8714262.75  669.3514460.49     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70926.55
 461344.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70926.55
```

```
 461344.90
  Q Total (cfs)            3584.44    Flow (cfs)                2487.40     172.61
 924.43
  Top Width (ft)          14460.49    Top Width (ft)           10600.00     400.00
3460.49
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)             0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.52    Hydr. Depth (ft)           122.58     177.32
 133.32
  Conv. Total (cfs)       456348900.0    Conv. (cfs)             316680300.0
21975580.0   117693000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)         10648.07     405.48
3530.16
  Min Ch El (ft)            572.79    Shear (lb/sq ft)             0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)       0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     16355.05     976.76
6267.80
  C & E Loss (ft)                     Cum SA (acres)             132.28       5.45
  46.74


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1698.46*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.77   10800  572.77   11000     60012527.23  608.16
12832.68  609.0313175.94   622.913239.94   633.313373.76  652.5213443.57  655.46
13769.38  663.0913850.83  662.24 14066.1  664.7214263.92  669.0614461.73     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70931.55
 461763.80
```

```
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70931.55
 461763.80
  Q Total (cfs)            3583.94    Flow (cfs)               2486.22     172.55
 925.17
  Top Width (ft)          14461.73    Top Width (ft)          10600.00     400.00
3461.73
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.54    Hydr. Depth (ft)          122.58     177.33
 133.39
  Conv. Total (cfs)       456500200.0    Conv. (cfs)             316680300.0
21977870.0   117842000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.49
3531.47
  Min Ch El (ft)            572.77    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16207.40     968.70
6215.35
  C & E Loss (ft)                     Cum SA (acres)            131.08       5.40
  46.35


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1693.51*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.74   10800  572.74   11000     60012527.78  608.12
12833.33  609.0113176.72  622.4913240.74  632.96 13374.6  652.4313444.44  655.37
13770.37  663.1513851.85  662.28 14067.2  664.5714265.08  668.7714462.96     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
          10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70939.05
```

```
 462185.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70939.05
 462185.50
  Q Total (cfs)            3583.43    Flow (cfs)               2485.04     172.49
 925.91
  Top Width (ft)          14462.96    Top Width (ft)          10600.00     400.00
3462.96
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.57    Hydr. Depth (ft)          122.58     177.35
 133.47
  Conv. Total (cfs)       456654200.0    Conv. (cfs)             316680300.0
21981310.0   117992600.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.50
3532.76
  Min Ch El (ft)            572.74    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    16059.74     960.64
6162.86
  C & E Loss (ft)                     Cum SA (acres)            129.87       5.36
  45.96


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1688.56*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.72   10800  572.72   11000     60012528.32  608.09
12833.99  608.99 13177.5  622.0713241.54  632.6313375.45  652.3513445.32  655.28
13771.36  663.2113852.87  662.3314068.29  664.4214266.24  668.47 14464.2     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
```

```
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70944.05
 462599.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70944.05
 462599.80
  Q Total (cfs)            3582.93    Flow (cfs)               2483.88     172.43
 926.63
  Top Width (ft)          14464.20    Top Width (ft)          10600.00     400.00
3464.20
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.59    Hydr. Depth (ft)          122.58     177.36
 133.54
  Conv. Total (cfs)       456803600.0    Conv. (cfs)             316680300.0
21983610.0   118139700.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.51
3534.08
  Min Ch El (ft)            572.72    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15912.08     952.58
6110.31
  C & E Loss (ft)                     Cum SA (acres)            128.67       5.31
  45.56


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1683.61*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.69   10800  572.69   11000     60012528.87  608.05
12834.64  608.9713178.27  621.6513242.34  632.29 13376.3  652.2713446.19  655.19
13772.35  663.2713853.88  662.3714069.38  664.2614267.41  668.1814465.43     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
```

```
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70951.55
 463025.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70951.55
 463025.20
  Q Total (cfs)            3582.43    Flow (cfs)               2482.68     172.37
 927.37
  Top Width (ft)          14465.43    Top Width (ft)          10600.00     400.00
3465.43
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.62    Hydr. Depth (ft)          122.58     177.38
 133.61
  Conv. Total (cfs)       456959100.0    Conv. (cfs)             316680300.0
21987040.0   118291700.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.52
3535.38
  Min Ch El (ft)            572.69    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15764.42     944.52
6057.72
  C & E Loss (ft)                     Cum SA (acres)            127.46       5.27
  45.17


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1678.66*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.67   10800  572.67   11000     60012529.41  608.01
12835.29  608.9513179.05  621.2413243.14  631.9613377.14  652.1913447.06   655.1
13773.33  663.33 13854.9  662.4214070.48  664.1114268.57  667.8914466.67     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
```

W.S. Elev (ft)	760.31	Reach Len. (ft)	4.95	4.95	4.95
Crit W.S. (ft)		Flow Area (sq ft)	1299387.00	70956.55	463444.70
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1299387.00	70956.55	463444.70
Q Total (cfs)	3581.93	Flow (cfs)	2481.51	172.31	928.11
Top Width (ft)	14466.67	Top Width (ft)	10600.00	400.00	3466.67
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	187.64	Hydr. Depth (ft)	122.58	177.39	133.69
Conv. Total (cfs)	457110800.0	Conv. (cfs)	316680300.0	21989340.0	118441100.0
Length Wtd. (ft)	4.95	Wetted Per. (ft)	10648.07	405.53	3536.69
Min Ch El (ft)	572.67	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	15616.77	936.46	6005.08
C & E Loss (ft)		Cum SA (acres)	126.26	5.22	44.78

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1673.71*

INPUT
Description:
Station Elevation Data num= 35

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10600	600	10700	572.64	10800	572.64	11000	600	12529.96	607.98
12835.95	608.93	13179.82	620.82	13243.94	631.63	13377.99	652.11	13447.93	655.01
13774.32	663.41	13855.92	662.46	14071.57	663.96	14269.74	667.6	14467.9	695

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10600	.15	11000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10600	11000	4.95	4.95	4.95	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	

```
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70964.05
 463856.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70964.05
 463856.30
  Q Total (cfs)            3581.42    Flow (cfs)               2480.35     172.26
 928.82
  Top Width (ft)          14467.90    Top Width (ft)          10600.00     400.00
3467.90
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.67    Hydr. Depth (ft)          122.58     177.41
 133.76
  Conv. Total (cfs)       457260400.0    Conv. (cfs)             316680300.0
21992780.0   118587300.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.54
3538.00
  Min Ch El (ft)            572.64    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15469.11     928.39
5952.39
  C & E Loss (ft)                     Cum SA (acres)            125.06       5.18
  44.38


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1668.76*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.62   10800  572.62   11000     600 12530.5  607.94
 12836.6  608.91 13180.6  620.4113244.74  631.2913378.84  652.03 13448.8  654.92
13775.31  663.4613856.94  662.5114072.66  663.81 14270.9   667.314469.14     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
```

```
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70969.05
 464279.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70969.05
 464279.20
  Q Total (cfs)            3580.92    Flow (cfs)               2479.17     172.19
 929.56
  Top Width (ft)          14469.14    Top Width (ft)          10600.00     400.00
3469.14
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.69    Hydr. Depth (ft)          122.58     177.42
 133.83
  Conv. Total (cfs)       457413500.0    Conv. (cfs)             316680300.0
21995070.0   118738100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.55
3539.31
  Min Ch El (ft)            572.62    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15321.45     920.33
5899.66
  C & E Loss (ft)                     Cum SA (acres)            123.85       5.13
  43.99


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1663.81*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.59   10800  572.59   11000     60012531.05   607.9
12837.25  608.8913181.38  619.9913245.53  630.9613379.68  651.9513449.67  654.83
 13776.3  663.5213857.95  662.5514073.76  663.6514272.06  667.0114470.37     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
```

```
Right OB
  Vel Head (ft)              0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)           760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                     Flow Area (sq ft)       1299387.00   70976.54
 464704.00
  E.G. Slope (ft/ft)      0.000000   Area (sq ft)            1299387.00   70976.54
 464704.00
  Q Total (cfs)            3580.42   Flow (cfs)               2477.98     172.14
 930.30
  Top Width (ft)          14470.37   Top Width (ft)          10600.00     400.00
3470.37
  Vel Total (ft/s)           0.00    Avg. Vel. (ft/s)           0.00       0.00
   0.00
  Max Chl Dpth (ft)        187.72    Hydr. Depth (ft)          122.58     177.44
 133.91
  Conv. Total (cfs)       457568700.0    Conv. (cfs)             316680300.0
21998510.0   118889900.0
  Length Wtd. (ft)           4.95    Wetted Per. (ft)        10648.07     405.56
3540.62
  Min Ch El (ft)           572.59    Shear (lb/sq ft)           0.00       0.00
   0.00
  Alpha                      1.01    Stream Power (lb/ft s)     0.00       0.00
   0.00
  Frctn Loss (ft)            0.00    Cum Volume (acre-ft)    15173.80     912.26
5846.88
  C & E Loss (ft)                    Cum SA (acres)            122.65       5.09
  43.59


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1658.86*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.57   10800  572.57   11000     60012531.59  607.87
12837.91  608.8713182.15  619.5713246.33  630.6213380.53  651.8713450.54  654.73
13777.28  663.5813858.97   662.614074.85   663.514273.23  666.72 14471.6     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
```

```
  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)              4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70981.55
 465119.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70981.55
 465119.50
  Q Total (cfs)            3579.92    Flow (cfs)               2476.82     172.07
 931.02
  Top Width (ft)          14471.60    Top Width (ft)          10600.00     400.00
3471.60
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.74    Hydr. Depth (ft)          122.58     177.45
 133.98
  Conv. Total (cfs)       457718900.0    Conv. (cfs)             316680300.0
22000810.0   119037700.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.57
3541.93
  Min Ch El (ft)            572.57    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    15026.14     904.20
5794.04
  C & E Loss (ft)                     Cum SA (acres)            121.44       5.04
  43.20


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1653.91*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.54   10800  572.54   11000     60012532.13  607.83
12838.56  608.8513182.93  619.1613247.13  630.2913381.38  651.7813451.42  654.64
13778.27  663.6413859.99  662.6414075.94  663.3514274.39  666.4314472.84     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
```

```
  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70989.05
 465542.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70989.05
 465542.60
  Q Total (cfs)            3579.41    Flow (cfs)               2475.64     172.02
 931.75
  Top Width (ft)          14472.84    Top Width (ft)          10600.00     400.00
3472.84
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.77    Hydr. Depth (ft)          122.58     177.47
 134.05
  Conv. Total (cfs)       457873200.0    Conv. (cfs)             316680300.0
22004250.0   119188700.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.58
3543.25
  Min Ch El (ft)            572.54    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14878.48     896.13
5741.17
  C & E Loss (ft)                     Cum SA (acres)            120.24       4.99
  42.80


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1648.96*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.52   10800  572.52   11000     60012532.68  607.79
12839.22  608.83 13183.7  618.7413247.93  629.9613382.22   651.713452.29  654.55
13779.26   663.7   13861  662.6914077.04   663.214275.56  666.1414474.07     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
```

```
  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)              4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   70994.05
 465964.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   70994.05
 465964.80
  Q Total (cfs)            3578.91    Flow (cfs)               2474.47     171.95
 932.49
  Top Width (ft)          14474.07    Top Width (ft)          10600.00     400.00
3474.07
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.79    Hydr. Depth (ft)          122.58     177.49
 134.13
  Conv. Total (cfs)       458026200.0    Conv. (cfs)             316680300.0
22006540.0   119339300.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.59
3544.57
  Min Ch El (ft)            572.52    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14730.82     888.06
5688.24
  C & E Loss (ft)                     Cum SA (acres)            119.03       4.95
  42.41


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1644.01*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.49   10800  572.49   11000     60012533.22  607.75
12839.87  608.8113184.48  618.3213248.73  629.6213383.07  651.6213453.16  654.46
13780.25  663.7713862.02  662.7314078.13  663.0514276.72  665.8414475.31     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3
```

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.95	4.95	4.95
Crit W.S. (ft)		Flow Area (sq ft)	1299387.00	71001.55	466390.10
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1299387.00	71001.55	466390.10
Q Total (cfs)	3578.41	Flow (cfs)	2473.28	171.90	933.23
Top Width (ft)	14475.31	Top Width (ft)	10600.00	400.00	3475.31
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	187.82	Hydr. Depth (ft)	122.58	177.50	134.20
Conv. Total (cfs)	458181400.0	Conv. (cfs)	316680300.0	22009980.0	119491100.0
Length Wtd. (ft)	4.95	Wetted Per. (ft)	10648.07	405.60	3545.89
Min Ch El (ft)	572.49	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	14583.17	880.00	5635.26
C & E Loss (ft)		Cum SA (acres)	117.83	4.90	42.01

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1639.06*

INPUT
Description:
Station Elevation Data num= 35

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10600	600	10700	572.47	10800	572.47	11000	600	12533.77	607.72
12840.52	608.79	13185.26	617.91	13249.53	629.29	13383.92	651.54	13454.03	654.37
13781.23	663.83	13863.04	662.78	14079.22	662.89	14277.88	665.55	14476.54	695

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10600	.15	11000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10600	11000	4.95	4.95	4.95	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.95	4.95	4.95
Crit W.S. (ft)		Flow Area (sq ft)	1299387.00	71006.55	466803.30
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1299387.00	71006.55	466803.30
Q Total (cfs)	3577.91	Flow (cfs)	2472.13	171.84	933.94
Top Width (ft)	14476.54	Top Width (ft)	10600.00	400.00	3476.54
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	187.84	Hydr. Depth (ft)	122.58	177.52	134.27
Conv. Total (cfs)	458330600.0	Conv. (cfs)	316680300.0	22012280.0	119638000.0
Length Wtd. (ft)	4.95	Wetted Per. (ft)	10648.07	405.61	3547.21
Min Ch El (ft)	572.47	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	14435.51	871.93	5582.24
C & E Loss (ft)		Cum SA (acres)	116.62	4.86	41.62

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1634.11*

INPUT
Description:
Station Elevation Data num= 35

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10600	600	10700	572.44	10800	572.44	11000	600	12534.31	607.68
12841.18	608.7	13186.03	617.49	13250.33	628.95	13384.76	651.46	13454.9	654.28
13782.22	663.89	13864.05	662.82	14080.32	662.74	14279.05	665.26	14477.78	695

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10600	.15	11000	.15

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.

```
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   71014.05
 467229.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   71014.05
 467229.20
  Q Total (cfs)            3577.40    Flow (cfs)               2470.94     171.78
 934.68
  Top Width (ft)          14477.78    Top Width (ft)          10600.00     400.00
3477.78
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.87    Hydr. Depth (ft)          122.58     177.54
 134.35
  Conv. Total (cfs)       458486000.0    Conv. (cfs)             316680300.0
22015710.0   119790000.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.62
3548.54
  Min Ch El (ft)            572.44    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14287.85     863.86
5529.17
  C & E Loss (ft)                     Cum SA (acres)            115.42       4.81
  41.22


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1629.16*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.42   10800  572.42   11000     60012534.86  607.64
12841.83  608.7513186.81  617.0813251.13  628.6213385.61  651.3813455.77  654.19
13783.21  663.9513865.07  662.8714081.41  662.5914280.21  664.9714479.01     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   71019.05
 467649.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   71019.05
 467649.80
  Q Total (cfs)            3576.90    Flow (cfs)               2469.78     171.72
 935.41
  Top Width (ft)          14479.01    Top Width (ft)          10600.00     400.00
3479.01
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.89    Hydr. Depth (ft)          122.58     177.55
 134.42
  Conv. Total (cfs)       458638400.0    Conv. (cfs)             316680300.0
22018010.0   119940100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.63
3549.86
  Min Ch El (ft)            572.42    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    14140.20     855.79
5476.05
  C & E Loss (ft)                     Cum SA (acres)            114.21       4.77
  40.83


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1624.21*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700   572.4   10800   572.4   11000     600 12535.4  607.61
12842.48  608.7313187.58  616.6613251.92  628.2913386.46   651.313456.64   654.1
 13784.2  664.0113866.08  662.91 14082.5  662.4414281.38  664.6714480.25     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   71024.04
 468067.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   71024.04
 468067.80
  Q Total (cfs)            3576.40    Flow (cfs)               2468.62     171.65
 936.13
  Top Width (ft)          14480.25    Top Width (ft)          10600.00     400.00
3480.25
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.91    Hydr. Depth (ft)          122.58     177.56
 134.49
  Conv. Total (cfs)       458789300.0    Conv. (cfs)             316680300.0
22020290.0   120088700.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.63
3551.19
  Min Ch El (ft)            572.40    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13992.54     847.72
5422.89
  C & E Loss (ft)                     Cum SA (acres)            113.01       4.72
  40.43



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1619.25*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.37   10800  572.37   11000     60012535.95  607.57
12843.14  608.7113188.36  616.2413252.72  627.95 13387.3  651.2213457.52  654.01
13785.19  664.07 13867.1  662.96 14083.6  662.2814282.54  664.3814481.48     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
```

```
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)              4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   71031.55
 468494.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   71031.55
 468494.00
  Q Total (cfs)            3575.90    Flow (cfs)               2467.43     171.60
 936.87
  Top Width (ft)          14481.48    Top Width (ft)          10600.00     400.00
3481.48
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.94    Hydr. Depth (ft)          122.58     177.58
 134.57
  Conv. Total (cfs)       458945200.0    Conv. (cfs)             316680300.0
22023730.0   120241100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.65
3552.52
  Min Ch El (ft)            572.37    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13844.88     839.65
5369.67
  C & E Loss (ft)                     Cum SA (acres)            111.81       4.68
  40.04


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1614.30*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.35   10800  572.35   11000     60012536.49  607.53
12843.79   608.713189.14  615.8313253.52  627.6213388.15  651.1413458.39  653.92
13786.17  664.1413868.12     66314084.69  662.13 14283.7  664.0914482.72     695

Manning's n Values        num=       3
```

```
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)              4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   71036.55
 468912.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   71036.55
 468912.10
  Q Total (cfs)            3575.40    Flow (cfs)               2466.28     171.54
 937.58
  Top Width (ft)          14482.72    Top Width (ft)          10600.00     400.00
3482.72
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.96    Hydr. Depth (ft)          122.58     177.59
 134.64
  Conv. Total (cfs)       459096300.0    Conv. (cfs)             316680300.0
22026030.0   120389900.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.65
3553.85
  Min Ch El (ft)            572.35    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13697.22     831.57
5316.41
  C & E Loss (ft)                     Cum SA (acres)            110.60       4.63
  39.64


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1609.35*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.32   10800  572.32   11000     60012537.04   607.5
12844.44  608.6813189.91  615.4113254.32  627.28   13389  651.0513459.26  653.83
13787.16   664.213869.14  663.0514085.79  661.9814284.87   663.814483.95     695
```

```
Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)              4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   71044.05
 469328.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   71044.05
 469328.50
  Q Total (cfs)            3574.90    Flow (cfs)               2465.12     171.48
 938.30
  Top Width (ft)          14483.95    Top Width (ft)          10600.00     400.00
3483.95
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         187.99    Hydr. Depth (ft)          122.58     177.61
 134.71
  Conv. Total (cfs)       459247900.0    Conv. (cfs)             316680300.0
22029460.0   120538100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.67
3555.18
  Min Ch El (ft)            572.32    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13549.57     823.50
5263.10
  C & E Loss (ft)                     Cum SA (acres)            109.40       4.59
  39.25


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1604.40*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700   572.3   10800   572.3   11000     60012537.58  607.46
 12845.1  608.6613190.69  614.9913255.12  626.9513389.84  650.9713460.13  653.74
13788.15  664.2613870.15  663.0914086.88  661.8314286.03  663.5114485.19     695
```

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10600	.15	11000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10600	11000	4.95	4.95	4.95	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.95	4.95	4.95
Crit W.S. (ft)		Flow Area (sq ft)	1299387.00	71049.05	469754.40
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1299387.00	71049.05	469754.40
Q Total (cfs)	3574.39	Flow (cfs)	2463.94	171.42	939.03
Top Width (ft)	14485.19	Top Width (ft)	10600.00	400.00	3485.19
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	188.01	Hydr. Depth (ft)	122.58	177.62	134.79
Conv. Total (cfs)	459402200.0	Conv. (cfs)	316680300.0	22031750.0	120690100.0
Length Wtd. (ft)	4.95	Wetted Per. (ft)	10648.07	405.67	3556.52
Min Ch El (ft)	572.30	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	13401.91	815.43	5209.75
C & E Loss (ft)		Cum SA (acres)	108.19	4.54	38.85

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1599.45*

INPUT
Description:
Station Elevation Data num= 35

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10600	600	10700	572.27	10800	572.27	11000	600	12538.13	607.42
12845.75	608.64	13191.46	614.58	13255.92	626.62	13390.69	650.89	13461	653.65

```
13789.14  664.3213871.17  663.1314087.97  661.67 14287.2  663.2114486.42     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   71056.55
 470181.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   71056.55
 470181.80
  Q Total (cfs)            3573.89    Flow (cfs)               2462.76     171.36
 939.77
  Top Width (ft)          14486.42    Top Width (ft)          10600.00     400.00
3486.42
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         188.04    Hydr. Depth (ft)          122.58     177.64
 134.86
  Conv. Total (cfs)       459558600.0    Conv. (cfs)             316680300.0
22035190.0   120843100.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.69
3557.85
  Min Ch El (ft)            572.27    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13254.25     807.35
5156.34
  C & E Loss (ft)                     Cum SA (acres)            106.99       4.49
  38.45



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1594.50*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.25   10800  572.25   11000     60012538.67  607.39
```

```
12846.41  608.6213192.24  614.1613256.72  626.2813391.53  650.8113461.87  653.55
13790.12  664.3813872.19  663.1814089.07  661.5214288.36  662.9214487.65     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   71061.55
 470599.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   71061.55
 470599.40
  Q Total (cfs)            3573.39    Flow (cfs)               2461.60     171.30
 940.49
  Top Width (ft)          14487.65    Top Width (ft)          10600.00     400.00
3487.65
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         188.06    Hydr. Depth (ft)          122.58     177.65
 134.93
  Conv. Total (cfs)       459709600.0    Conv. (cfs)             316680300.0
22037480.0   120991800.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.69
3559.19
  Min Ch El (ft)            572.25    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    13106.59     799.28
5102.89
  C & E Loss (ft)                     Cum SA (acres)            105.78       4.45
  38.06


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1589.55*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
```

```
   10600     600   10700  572.22   10800  572.22   11000     60012539.21  607.35
12847.06   608.613193.02  613.7513257.52  625.9513392.38  650.7313462.75  653.46
13791.11  664.44 13873.2  663.2214090.16  661.3714289.52  662.6314488.89     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   71069.05
 471024.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   71069.05
 471024.00
  Q Total (cfs)            3572.89    Flow (cfs)               2460.43     171.25
 941.22
  Top Width (ft)          14488.89    Top Width (ft)          10600.00     400.00
3488.89
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         188.09    Hydr. Depth (ft)          122.58     177.67
 135.01
  Conv. Total (cfs)       459864500.0    Conv. (cfs)             316680300.0
22040920.0   121143300.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.71
3560.53
  Min Ch El (ft)            572.22    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12958.94     791.20
5049.39
  C & E Loss (ft)                     Cum SA (acres)            104.58       4.40
  37.66



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1584.60*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
```

```
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700   572.2   10800   572.2   11000     60012539.76  607.31
12847.71  608.5813193.79  613.3313258.32  625.6113393.23  650.6513463.62  653.37
 13792.1  664.5113874.22  663.2714091.25  661.2214290.69  662.3414490.12     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   71074.05
 471447.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   71074.05
 471447.40
  Q Total (cfs)            3572.39    Flow (cfs)               2459.26     171.18
 941.94
  Top Width (ft)          14490.12    Top Width (ft)          10600.00     400.00
3490.12
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         188.11    Hydr. Depth (ft)          122.58     177.69
 135.08
  Conv. Total (cfs)       460018000.0    Conv. (cfs)             316680300.0
22043210.0   121294500.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.72
3561.87
  Min Ch El (ft)            572.20    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12811.28     783.13
4995.84
  C & E Loss (ft)                     Cum SA (acres)            103.37       4.36
  37.27


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1579.65*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
```

```
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.17   10800  572.17   11000     600 12540.3  607.28
12848.37  608.5613194.57  612.9113259.11  625.2813394.07  650.5713464.49  653.28
13793.09  664.5713875.24  663.3114092.35  661.0714291.85  662.0514491.36     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   71081.55
 471864.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   71081.55
 471864.80
  Q Total (cfs)            3571.89    Flow (cfs)               2458.11     171.13
 942.65
  Top Width (ft)          14491.36    Top Width (ft)          10600.00     400.00
3491.36
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         188.14    Hydr. Depth (ft)          122.58     177.70
 135.15
  Conv. Total (cfs)       460169800.0    Conv. (cfs)             316680300.0
22046650.0   121442800.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.73
3563.21
  Min Ch El (ft)            572.17    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12663.62     775.05
4942.24
  C & E Loss (ft)                     Cum SA (acres)            102.17       4.31
  36.87



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1574.70*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
```

```
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.15   10800  572.15   11000     60012540.85  607.24
12849.02  608.5413195.34   612.513259.91  624.9513394.92  650.4913465.36  653.19
13794.07  664.6313876.25  663.3614093.44  660.9114293.02  661.7514492.59     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   71086.54
 472291.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   71086.54
 472291.60
  Q Total (cfs)            3571.39    Flow (cfs)               2456.93     171.06
 943.39
  Top Width (ft)          14492.59    Top Width (ft)          10600.00     400.00
3492.59
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         188.16    Hydr. Depth (ft)          122.58     177.72
 135.23
  Conv. Total (cfs)       460324800.0    Conv. (cfs)             316680300.0
22048930.0   121595500.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.74
3564.55
  Min Ch El (ft)            572.15    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12515.97     766.97
4888.59
  C & E Loss (ft)                     Cum SA (acres)            100.96       4.27
  36.47



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1569.75*

INPUT
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
```

```
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.12   10800  572.12   11000     60012541.39   607.2
12849.67  608.5213196.12  612.0813260.71  624.6113395.77  650.4113466.23   653.1
13795.06  664.6913877.27   663.414094.53  660.7614294.18  661.4614493.83     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   71094.05
 472719.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   71094.05
 472719.80
  Q Total (cfs)            3570.89    Flow (cfs)               2455.76     171.01
 944.12
  Top Width (ft)          14493.83    Top Width (ft)          10600.00     400.00
3493.83
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         188.19    Hydr. Depth (ft)          122.58     177.74
 135.30
  Conv. Total (cfs)       460481200.0    Conv. (cfs)             316680300.0
22052370.0   121748500.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.75
3565.91
  Min Ch El (ft)            572.12    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12368.31     758.89
4834.90
  C & E Loss (ft)                     Cum SA (acres)             99.76       4.22
  36.08


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1564.80*

INPUT
Description:
Station Elevation Data    num=      35
```

```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700   572.1   10800   572.1   11000     60012541.94  607.17
12850.33   608.5 13196.9  611.6613261.51  624.2813396.61  650.32 13467.1  653.01
13796.05  664.7513878.29  663.4514095.63  660.6114295.34  661.1714495.06     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   71099.05
 473136.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   71099.05
 473136.60
  Q Total (cfs)            3570.38    Flow (cfs)               2454.61     170.95
 944.83
  Top Width (ft)          14495.06    Top Width (ft)          10600.00     400.00
3495.06
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         188.21    Hydr. Depth (ft)          122.58     177.75
 135.37
  Conv. Total (cfs)       460631900.0    Conv. (cfs)             316680300.0
22054670.0   121896900.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.76
3567.25
  Min Ch El (ft)            572.10    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12220.65     750.81
4781.16
  C & E Loss (ft)                     Cum SA (acres)             98.56       4.18
  35.68


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1559.85*

INPUT
Description:
```

```
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.07   10800  572.07   11000     60012542.48  607.13
12850.98  608.4813197.67  611.2513262.31  623.9413397.46  650.2413467.97  652.92
13797.04  664.81 13879.3  663.4914096.72  660.4614296.51  660.88 14496.3     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)              4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   71106.55
 473563.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   71106.55
 473563.30
  Q Total (cfs)            3569.88    Flow (cfs)               2453.43     170.89
 945.56
  Top Width (ft)          14496.30    Top Width (ft)          10600.00     400.00
3496.30
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         188.24    Hydr. Depth (ft)          122.58     177.77
 135.45
  Conv. Total (cfs)       460787700.0    Conv. (cfs)             316680300.0
22058100.0   122049300.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.77
3568.60
  Min Ch El (ft)            572.07    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    12072.99     742.73
4727.37
  C & E Loss (ft)                     Cum SA (acres)             97.35       4.13
  35.28


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1554.90*

INPUT
```

```
Description:
Station Elevation Data    num=      35
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720     600     680    1000     676    1300     678    2000     667
    2200     670    2800     670    3800     650    4500     650    4600     640
    4800     640    5200     620    5900     614    7800     614    7900     615
    8400     615    8400     610    9200     610    9800     603   10000     600
   10600     600   10700  572.05   10800  572.05   11000     60012543.03  607.09
12851.63  608.4613198.45  610.8313263.11  623.6113398.31  650.1613468.84  652.83
13798.02  664.8813880.32  663.5414097.81   660.314297.67  660.5814497.53     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .15   10600     .15   11000     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
         10600   11000             4.95    4.95    4.95             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             4.95       4.95
   4.95
  Crit W.S. (ft)                      Flow Area (sq ft)       1299387.00   71111.55
 473990.70
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1299387.00   71111.55
 473990.70
  Q Total (cfs)            3569.38    Flow (cfs)               2452.26     170.83
 946.29
  Top Width (ft)          14497.53    Top Width (ft)          10600.00     400.00
3497.53
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         188.26    Hydr. Depth (ft)          122.58     177.78
 135.52
  Conv. Total (cfs)       460942900.0    Conv. (cfs)             316680300.0
22060390.0   122202200.0
  Length Wtd. (ft)            4.95    Wetted Per. (ft)        10648.07     405.78
3569.95
  Min Ch El (ft)            572.05    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11925.34     734.65
4673.53
  C & E Loss (ft)                     Cum SA (acres)             96.15       4.09
  34.88


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1549.95*
```

INPUT
Description:
Station Elevation Data num= 35

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10600	600	10700	572.02	10800	572.02	11000	600	12543.57	607.06
12852.29	608.44	13199.22	610.42	13263.91	623.28	13399.15	650.08	13469.72	652.74
13799.01	664.94	13881.34	663.58	14098.91	660.15	14298.84	660.29	14498.77	695

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10600	.15	11000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10600	11000	4.95	4.95	4.95	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	4.95	4.95	4.95
Crit W.S. (ft)		Flow Area (sq ft)	1299387.00	71119.05	474407.30
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1299387.00	71119.05	474407.30
Q Total (cfs)	3568.88	Flow (cfs)	2451.11	170.77	946.99
Top Width (ft)	14498.77	Top Width (ft)	10600.00	400.00	3498.77
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	188.29	Hydr. Depth (ft)	122.58	177.80	135.59
Conv. Total (cfs)	461094400.0	Conv. (cfs)	316680300.0	22063820.0	122350300.0
Length Wtd. (ft)	4.95	Wetted Per. (ft)	10648.07	405.79	3571.31
Min Ch El (ft)	572.02	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	11777.68	726.57	4619.64
C & E Loss (ft)		Cum SA (acres)	94.94	4.04	34.49

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1545

INPUT
Description:
Station Elevation Data num= 30

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10600	600	10700	572	10800	572	11000	600	13200	610
13400	650	13800	665	14100	660	14300	660	14500	695

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10600	.15	11000	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10600	11000	9.74	9.74	9.74	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	9.74	9.74	9.74
Crit W.S. (ft)		Flow Area (sq ft)	1299387.00	71124.05	474835.40
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1299387.00	71124.05	474835.40
Q Total (cfs)	3568.38	Flow (cfs)	2449.94	170.71	947.73
Top Width (ft)	14500.00	Top Width (ft)	10600.00	400.00	3500.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	188.31	Hydr. Depth (ft)	122.58	177.81	135.67
Conv. Total (cfs)	461249900.0	Conv. (cfs)	316680300.0	22066110.0	122503400.0
Length Wtd. (ft)	9.74	Wetted Per. (ft)	10648.07	405.80	3572.66
Min Ch El (ft)	572.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	11630.02	718.49	4565.71
C & E Loss (ft)		Cum SA (acres)	93.74	3.99	34.09

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1535.26*

```
INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  589.22  680.72  600.33     680  982.03  676.18 1000.55     676
 1276.63  677.84 1300.72  677.99 1964.05  667.56 2001.11  667.02 2160.46  669.41
 2201.22     670 2749.67     670 2801.55  669.97  3731.7  651.37 3802.11     650
 4419.12     650  4502.5  649.75 4517.32  648.27 4602.55     640 4713.73     640
 4802.66  639.87 5106.54  624.67 5202.89  619.98 5793.95  614.91 5903.27     614
  7659.8     614 7758.01  614.03 7804.33  614.03 7904.38     615 8249.02     615
 8249.02  614.85 8404.66  614.85 8404.66     610 9034.64     610 9205.11  609.94
 9623.86  605.06 9805.44  602.92 9820.26   602.710005.55     60010605.88     600
10708.82  571.9710808.82  571.9711008.82     60011427.94  601.9912852.94  608.38
13020.59  609.1213221.76  610.9413272.06  620.8813422.94  650.1613691.18  660.15
13825.29  664.8813858.82  664.3114110.29  660.2714127.06  660.0414328.24  660.54
14529.41     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510605.88     .1511008.82     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10605.8811008.82             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             9.74       9.74
   9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1300320.00   71644.14
 477144.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1300320.00   71644.14
 477144.80
  Q Total (cfs)            3567.40    Flow (cfs)               2446.22     171.59
 949.58
  Top Width (ft)          14529.41    Top Width (ft)          10605.88     402.94
3520.59
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         188.34    Hydr. Depth (ft)          122.60     177.80
 135.53
  Conv. Total (cfs)       462207700.0    Conv. (cfs)             316943400.0
22231850.0   123032500.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10653.92     408.64
3592.96
  Min Ch El (ft)            571.97    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    11339.38     702.53
4459.28
  C & E Loss (ft)                     Cum SA (acres)             91.37       3.90
  33.30


Warning: The cross-section end points had to be extended vertically for the computed
water surface.
```

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1525.52*

INPUT
Description:
Station Elevation Data num= 56

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	589.54	680.7	600.67	679.99	982.57	676.17	1001.11	676.01
1277.34	677.85	1301.44	677.98	1965.14	667.55	2002.22	667.03	2161.66	669.42
2202.44	670	2751.2	670	2803.11	669.94	3733.77	651.32	3804.22	650
4421.57	650	4504.99	649.5	4519.83	648.02	4605.11	640	4716.34	640
4805.33	639.73	5109.37	624.53	5205.77	619.95	5797.17	614.88	5906.55	614
7664.05	614	7762.31	614.06	7808.66	614.06	7908.77	615	8253.59	615
8253.59	614.71	8409.32	614.71	8409.32	610	9039.65	610	9210.21	609.88
9629.19	604.99	9810.88	602.84	9825.71	602.61	10011.1	600	10611.76	600
10717.65	571.94	10817.65	571.94	11017.65	600	11439.22	602.08	12872.55	608.43
13041.18	609.14	13243.53	611.88	13294.12	621.76	13445.88	650.32	13715.69	660.29
13850.59	664.76	13884.31	664.18	14137.25	660.26	14154.12	660.08	14356.47	661.07
14558.82	695								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10611.76	.15	11017.65	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10611.76	11017.65	9.74	9.74	9.74	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	9.74	9.74	9.74
Crit W.S. (ft)		Flow Area (sq ft)	1301267.00	72166.02	479455.20
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1301267.00	72166.02	479455.20
Q Total (cfs)	3566.41	Flow (cfs)	2442.52	172.46	951.42
Top Width (ft)	14558.82	Top Width (ft)	10611.76	405.89	3541.17
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	188.37	Hydr. Depth (ft)	122.63	177.80	135.39
Conv. Total (cfs)	463171800.0	Conv. (cfs)	317212000.0	22397990.0	123561800.0
Length Wtd. (ft)	9.74	Wetted Per. (ft)	10659.77	411.50	3613.26
Min Ch El (ft)	571.94	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	11048.52	686.45	4352.33
C & E Loss (ft)		Cum SA (acres)	88.99	3.81	

32.51

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1515.79*

INPUT
Description:
Station Elevation Data num= 56

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	589.87	680.68	601	679.99	983.12	676.17	1001.66	676.01
1278.05	677.85	1302.16	677.97	1966.23	667.53	2003.33	667.05	2162.85	669.44
2203.66	670	2752.72	670	2804.66	669.91	3735.84	651.28	3806.33	650
4424.02	650	4507.49	649.25	4522.33	647.77	4607.66	640	4718.95	640
4807.99	639.6	5112.2	624.39	5208.66	619.93	5800.38	614.85	5909.82	614
7668.3	614	7766.61	614.09	7812.99	614.09	7913.15	615	8258.17	615
8258.17	614.56	8413.98	614.56	8413.98	610	9044.66	610	9215.32	609.82
9634.53	604.93	9816.32	602.76	9831.15	602.53	10016.65	600	10617.65	600
10726.47	571.91	10826.47	571.91	11026.47	600	11450.49	602.17	12892.16	608.48
13061.76	609.17	13265.29	612.82	13316.18	622.65	13468.82	650.48	13740.2	660.44
13875.88	664.65	13909.8	664.05	14164.22	660.25	14181.18	660.12	14384.71	661.61
14588.24	695								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.151	10617.65	.151	11026.47	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10617.65	11026.47	9.74	9.74	9.74	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	9.74	9.74	9.74
Crit W.S. (ft)		Flow Area (sq ft)	1302203.00	72684.25	481754.80
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1302203.00	72684.25	481754.80
Q Total (cfs)	3565.42	Flow (cfs)	2438.86	173.33	953.23
Top Width (ft)	14588.24	Top Width (ft)	10617.65	408.82	3561.77
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	188.40	Hydr. Depth (ft)	122.65	177.79	135.26
Conv. Total (cfs)	464124900.0	Conv. (cfs)	317476100.0	22562820.0	124086000.0
Length Wtd. (ft)	9.74	Wetted Per. (ft)	10665.63	414.35	3633.60
Min Ch El (ft)	571.91	Shear (lb/sq ft)	0.00	0.00	

```
   0.00
  Alpha                        1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)    10757.45     670.26
4244.87
  C & E Loss (ft)                      Cum SA (acres)             86.62       3.72
  31.72


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1506.05*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   590.2  680.65  601.33  679.99  983.66  676.16 1002.22  676.01
 1278.76  677.86 1302.89  677.95 1967.32  667.51 2004.44  667.07 2164.05  669.46
 2204.88     670 2754.25     670 2806.22  669.88 3737.91  651.24 3808.44     650
 4426.47     650 4509.99     649 4524.84  647.52 4610.21     640 4721.57     640
 4810.65  639.47 5115.03  624.25 5211.54   619.9 5803.59  614.83  5913.1     614
 7672.55     614 7770.92  614.12 7817.31  614.12 7917.54     615 8262.75     615
 8262.75  614.41 8418.65  614.41 8418.65     610 9049.67     610 9220.42  609.76
 9639.87  604.87 9821.75  602.67  9836.6  602.45 10022.2     60010623.53     600
10735.29  571.8810835.29  571.8811035.29     60011461.76  602.2612911.76  608.53
13082.35   609.213287.06  613.7613338.24  623.5313491.76  650.6413764.71  660.59
13901.18  664.5313935.29  663.9214191.18  660.2514208.24  660.1614412.94  662.14
14617.65     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510623.53     .1511035.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10623.5311035.29             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)             760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)                0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)             760.31    Reach Len. (ft)             9.74       9.74
   9.74
  Crit W.S. (ft)                       Flow Area (sq ft)       1303146.00   73204.59
 484050.10
  E.G. Slope (ft/ft)       0.000000    Area (sq ft)            1303146.00   73204.59
 484050.10
  Q Total (cfs)             3564.43    Flow (cfs)               2435.22     174.19
 955.01
  Top Width (ft)           14617.65    Top Width (ft)          10623.53     411.76
3582.36
  Vel Total (ft/s)             0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)          188.43    Hydr. Depth (ft)          122.67     177.78
```

```
 135.12
  Conv. Total (cfs)       465079400.0    Conv. (cfs)             317743000.0
22728170.0   124608200.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10671.48     417.21
3653.94
  Min Ch El (ft)            571.88    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10466.17     653.95
4136.89
  C & E Loss (ft)                     Cum SA (acres)             84.25       3.63
  30.92
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1496.32*

INPUT
Description:
Station Elevation Data num= 56

```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.52  680.63  601.66  679.98   984.2  676.16 1002.77  676.02
 1279.47  677.86 1303.61  677.94 1968.41   667.5 2005.55  667.08 2165.25  669.48
  2206.1     670 2755.77     670 2807.77  669.84 3739.98   651.2 3810.54     650
 4428.92     650 4512.49  648.75 4527.34  647.27 4612.76     640 4724.18     640
 4813.32  639.33 5117.86  624.11 5214.43  619.88 5806.81   614.8 5916.37     614
  7676.8     614 7775.22  614.15 7821.64  614.15 7921.92     615 8267.32     615
 8267.32  614.26 8423.31  614.26 8423.31     610 9054.68     610 9225.53   609.7
 9645.21  604.81 9827.19  602.59 9842.05  602.3710027.75     60010629.41     600
10744.12  571.8510844.12  571.8511044.12     60011473.04  602.3512931.37  608.58
13102.94  609.2213308.82  614.7113360.29  624.4113514.71  650.7913789.22  660.74
13926.47  664.4113960.78  663.7914218.14  660.2414235.29  660.2114441.18  662.68
14647.06     695
```

Manning's n Values num= 3

```
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510629.41     .1511044.12     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10629.4111044.12             9.74    9.74    9.74             .1       .3
```

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             9.74       9.74
   9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1304087.00   73726.75
 486339.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1304087.00   73726.75
 486339.50
  Q Total (cfs)            3563.44    Flow (cfs)               2431.61     175.06
```

```
 956.77
  Top Width (ft)          14647.06    Top Width (ft)          10629.41     414.71
3602.94
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         188.46    Hydr. Depth (ft)          122.69     177.78
 134.98
  Conv. Total (cfs)       466031000.0    Conv. (cfs)             318009000.0
22893970.0   125128100.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10677.33     420.08
3674.28
  Min Ch El (ft)            571.85    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)    10174.69     637.52
4028.40
  C & E Loss (ft)                     Cum SA (acres)             81.87       3.54
  30.12
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1486.58*

INPUT
Description:
Station Elevation Data num= 56

```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  590.85  680.61     602  679.98  984.75  676.15 1003.33  676.02
 1280.17  677.87 1304.33  677.93  1969.5  667.48 2006.66   667.1 2166.45   669.5
 2207.33     670  2757.3     670 2809.32  669.81 3742.05  651.16 3812.65     650
 4431.37     650 4514.98   648.5 4529.85  647.02 4615.32     640  4726.8     640
 4815.98   639.2  5120.7  623.97 5217.31  619.85 5810.02  614.77 5919.65     614
 7681.05     614 7779.52  614.18 7825.97  614.18  7926.3     615  8271.9     615
  8271.9  614.12 8427.97  614.12 8427.97     610  9059.7     610 9230.63  609.64
 9650.54  604.74 9832.63  602.51 9847.49  602.29 10033.3     60010635.29     600
10752.94  571.8210852.94  571.8211052.94     60011484.31  602.4412950.98  608.63
13123.53  609.2513330.59  615.6513382.35  625.2913537.65  650.9513813.73  660.88
13951.76  664.2913986.27  663.66 14245.1  660.2314262.35  660.2514469.41  663.21
14676.47     695
```

Manning's n Values num= 3

```
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510635.29     .1511052.94     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10635.2911052.94              9.74    9.74    9.74             .1       .3
```

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             9.74       9.74
```

```
   9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1305027.00   74247.27
 488627.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1305027.00   74247.27
 488627.00
  Q Total (cfs)            3562.44    Flow (cfs)               2428.02     175.91
 958.52
  Top Width (ft)          14676.47    Top Width (ft)          10635.29     417.65
3623.53
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         188.49    Hydr. Depth (ft)          122.71     177.77
 134.85
  Conv. Total (cfs)       466980600.0    Conv. (cfs)             318274900.0
23059130.0   125646600.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10683.19     422.95
3694.65
  Min Ch El (ft)            571.82    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9882.99     620.98
3919.40
  C & E Loss (ft)                     Cum SA (acres)             79.49       3.45
  29.31


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1476.85*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.18  680.59  602.33  679.98  985.29  676.15 1003.88  676.03
 1280.88  677.87 1305.05  677.92 1970.59  667.46 2007.77  667.12 2167.65  669.51
 2208.55     670 2758.82     670 2810.88  669.78 3744.12  651.12 3814.76     650
 4433.82     650 4517.48  648.25 4532.35  646.76 4617.87     640 4729.41     640
 4818.65  639.07 5123.53  623.82  5220.2  619.83 5813.24  614.74 5922.92     614
 7685.29     614 7783.82  614.21  7830.3  614.21 7930.69     615 8276.47     615
 8276.47  613.97 8432.63  613.97 8432.63     610 9064.71     610 9235.74  609.58
 9655.88  604.68 9838.07  602.43 9852.94  602.2110038.85     60010641.18     600
10761.76  571.7910861.76  571.7911061.76     60011495.59  602.5312970.59  608.68
13144.12  609.2813352.35  616.5913404.41  626.1813560.59  651.1113838.24  661.03
13977.06  664.1814011.76  663.5314272.06  660.2214289.41  660.2914497.65  663.75
14705.88     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510641.18     .1511061.76     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10641.1811061.76             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
```

```
  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             9.74       9.74
   9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1305966.00   74766.03
 490903.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1305966.00   74766.03
 490903.30
  Q Total (cfs)            3561.45    Flow (cfs)               2424.46     176.76
 960.23
  Top Width (ft)          14705.88    Top Width (ft)          10641.18     420.58
3644.12
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         188.52    Hydr. Depth (ft)          122.73     177.77
 134.71
  Conv. Total (cfs)       467923800.0    Conv. (cfs)             318540100.0
23223620.0   126160100.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10689.06     425.82
3715.03
  Min Ch El (ft)            571.79    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9591.08     604.32
3809.89
  C & E Loss (ft)                     Cum SA (acres)             77.11       3.35
  28.50


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1467.11*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   591.5  680.57  602.66  679.97  985.84  676.14 1004.44  676.03
 1281.59  677.88 1305.77  677.91 1971.68  667.45 2008.88  667.13 2168.85  669.53
 2209.77     670 2760.35     670 2812.43  669.75 3746.19  651.08 3816.87     650
 4436.27     650 4519.98     648 4534.86  646.51 4620.42     640 4732.03     640
 4821.31  638.93 5126.36  623.68 5223.09   619.8 5816.45  614.72 5926.19     614
 7689.54     614 7788.13  614.24 7834.63  614.24 7935.07     615 8281.05     615
 8281.05  613.82 8437.29  613.82 8437.29     610 9069.72     610 9240.84  609.52
 9661.22  604.62 9843.51  602.35 9858.39  602.12 10044.4     60010647.06     600
10770.59  571.7610870.59  571.7611070.59     60011506.86  602.62 12990.2  608.73
13164.71   609.313374.12  617.5313426.47  627.0613583.53  651.2713862.75  661.18
14002.35  664.0614037.25   663.414299.02  660.2114316.47  660.3314525.88  664.28
14735.29     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510647.06     .1511070.59     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10647.0611070.59             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             9.74       9.74
   9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1306905.00   75288.43
 493178.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1306905.00   75288.43
 493178.00
  Q Total (cfs)            3560.45    Flow (cfs)               2420.92     177.61
 961.92
  Top Width (ft)          14735.29    Top Width (ft)          10647.06     423.53
3664.70
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         188.55    Hydr. Depth (ft)          122.75     177.76
 134.58
  Conv. Total (cfs)       468867400.0    Conv. (cfs)             318805300.0
23389160.0   126672900.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10694.92     428.70
3735.42
  Min Ch El (ft)            571.76    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9298.96     587.54
3699.87
  C & E Loss (ft)                     Cum SA (acres)             74.73       3.26
  27.68


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1457.38*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  591.83  680.54     603  679.97  986.38  676.14 1004.99  676.03
  1282.3  677.88 1306.49   677.9 1972.77  667.43 2009.99  667.15 2170.04  669.55
 2210.99     670 2761.87     670 2813.98  669.72 3748.26  651.03 3818.98     650
 4438.73     650 4522.48  647.75 4537.36  646.26 4622.97     640 4734.64     640
 4823.97   638.8 5129.19  623.54 5225.97  619.78 5819.66  614.69 5929.47     614
 7693.79     614 7792.43  614.26 7838.96  614.26 7939.46     615 8285.62     615
 8285.62  613.68 8441.95  613.68 8441.95     610 9074.73     610 9245.95  609.46
 9666.56  604.56 9848.95  602.27 9863.83  602.0410049.94     60010652.94     600
10779.41  571.7410879.41  571.7411079.41     60011518.14  602.72 13009.8  608.77
13185.29  609.3313395.88  618.4713448.53  627.9413606.47  651.4313887.25  661.32
```

```
14027.65  663.9414062.75  663.2714325.98   660.214343.53  660.3714554.12  664.82
14764.71     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510652.94     .1511079.41     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10652.9411079.41             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)              9.74       9.74
   9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1307849.00   75806.43
 495446.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1307849.00   75806.43
 495446.20
  Q Total (cfs)            3559.45    Flow (cfs)               2417.42     178.45
 963.58
  Top Width (ft)          14764.71    Top Width (ft)          10652.94     426.47
3685.30
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         188.57    Hydr. Depth (ft)          122.77     177.75
 134.44
  Conv. Total (cfs)       469807900.0    Conv. (cfs)             319072700.0
23552820.0   127182400.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10700.78     431.58
3755.83
  Min Ch El (ft)            571.74    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     9006.63     570.65
3589.34
  C & E Loss (ft)                     Cum SA (acres)             72.35       3.16
  26.86



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1447.64*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.16  680.52  603.33  679.97  986.93  676.13 1005.55  676.04
 1283.01  677.89 1307.21  677.89 1973.86  667.41  2011.1  667.17 2171.24  669.57
 2212.21     670  2763.4     670 2815.54  669.69 3750.33  650.99 3821.09     650
 4441.18     650 4524.97   647.5 4539.87  646.01 4625.53     640 4737.25     640
```

```
 4826.64  638.67 5132.03   623.4 5228.86  619.75 5822.88  614.66 5932.74     614
 7698.04     614 7796.73  614.29 7843.29  614.29 7943.84     615  8290.2     615
  8290.2  613.53 8446.62  613.53 8446.62     610 9079.74     610 9251.05   609.4
  9671.9  604.49 9854.38  602.18 9869.28  601.9610055.49     60010658.82     600
10788.24  571.7110888.24  571.7111088.24     60011529.41  602.8113029.41  608.82
13205.88  609.3613417.65  619.4113470.59  628.8213629.41  651.5913911.76  661.47
14052.94  663.8214088.24  663.1414352.94   660.214370.59  660.4114582.35  665.35
14794.12     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510658.82     .1511088.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10658.8211088.24             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)              9.74       9.74
   9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1308792.00   76329.00
 497706.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1308792.00   76329.00
 497706.40
  Q Total (cfs)            3558.45    Flow (cfs)               2413.94     179.29
 965.22
  Top Width (ft)          14794.12    Top Width (ft)          10658.82     429.42
3705.88
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         188.60    Hydr. Depth (ft)          122.79     177.75
 134.30
  Conv. Total (cfs)       470746300.0    Conv. (cfs)             319339300.0
23718230.0   127688800.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10706.65     434.47
3776.24
  Min Ch El (ft)            571.71    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8714.09     553.64
3478.31
  C & E Loss (ft)                     Cum SA (acres)             69.97       3.07
  26.03


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1437.91*

INPUT
Description:
```

Station Elevation Data num= 56

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	592.48	680.5	603.66	679.96	987.47	676.13	1006.1	676.04
1283.71	677.89	1307.94	677.88	1974.95	667.39	2012.21	667.18	2172.44	669.59
2213.43	670	2764.92	670	2817.09	669.66	3752.4	650.95	3823.2	650
4443.63	650	4527.47	647.25	4542.38	645.76	4628.08	640	4739.87	640
4829.3	638.53	5134.86	623.26	5231.74	619.73	5826.09	614.63	5936.02	614
7702.29	614	7801.03	614.32	7847.61	614.32	7948.22	615	8294.77	615
8294.77	613.38	8451.28	613.38	8451.28	610	9084.75	610	9256.16	609.34
9677.23	604.43	9859.82	602.1	9874.73	601.88	10061.04	600	10664.71	600
10797.06	571.68	10897.06	571.68	11097.06	600	11540.69	602.91	13049.02	608.87
13226.47	609.39	13439.41	620.35	13492.65	629.71	13652.35	651.75	13936.27	661.62
14078.24	663.71	14113.73	663.01	14379.9	660.19	14397.65	660.45	14610.59	665.89
14823.53	695								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.151	10664.71	.151	11097.06	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10664.71	11097.06	9.74	9.74	9.74	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	9.74	9.74	9.74
Crit W.S. (ft)		Flow Area (sq ft)	1309735.00	76848.09	499960.10
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1309735.00	76848.09	499960.10
Q Total (cfs)	3557.45	Flow (cfs)	2410.50	180.12	966.83
Top Width (ft)	14823.53	Top Width (ft)	10664.71	432.35	3726.47
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	188.63	Hydr. Depth (ft)	122.81	177.75	134.16
Conv. Total (cfs)	471680300.0	Conv. (cfs)	319606000.0	23882460.0	128191900.0
Length Wtd. (ft)	9.74	Wetted Per. (ft)	10712.53	437.34	3796.68
Min Ch El (ft)	571.68	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	8421.34	536.51	3366.77
C & E Loss (ft)		Cum SA (acres)	67.59	2.97	25.20

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

```
RIVER: SQUAW CREEK
REACH: SC                  RS: 1428.17*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  592.81  680.48     604  679.96  988.02  676.12 1006.66  676.04
 1284.42   677.9 1308.66  677.86 1976.03  667.38 2013.32   667.2 2173.64   669.6
 2214.65     670 2766.45     670 2818.65  669.63 3754.47  650.91 3825.31     650
 4446.08     650 4529.97     647 4544.88  645.51 4630.63     640 4742.48     640
 4831.96   638.4 5137.69  623.12 5234.63   619.7  5829.3  614.61 5939.29     614
 7706.54     614 7805.34  614.35 7851.94  614.35 7952.61     615 8299.35     615
 8299.35  613.24 8455.94  613.24 8455.94     610 9089.76     610 9261.27  609.29
 9682.57  604.37 9865.26  602.02 9880.17   601.810066.59     60010670.59     600
10805.88  571.6510905.88  571.6511105.88     60011551.96  602.9913068.63  608.92
13247.06  609.4113461.18  621.2913514.71  630.5913675.29  651.9113960.78  661.76
14103.53  663.5914139.22  662.8814406.86  660.1814424.71  660.4914638.82  666.42
14852.94     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510670.59     .1511105.88     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10670.5911105.88             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             9.74       9.74
   9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1310668.00   77369.13
 502216.20
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1310668.00   77369.13
 502216.20
  Q Total (cfs)            3556.45    Flow (cfs)               2407.04     180.96
 968.45
  Top Width (ft)          14852.94    Top Width (ft)          10670.59     435.29
3747.06
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         188.66    Hydr. Depth (ft)          122.83     177.74
 134.03
  Conv. Total (cfs)       472612000.0    Conv. (cfs)             319868900.0
24047230.0   128695900.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10718.39     440.23
3817.12
  Min Ch El (ft)            571.65    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     8128.38     519.27
3254.73
  C & E Loss (ft)                     Cum SA (acres)             65.20       2.87
  24.37
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1418.44*

INPUT
Description:
Station Elevation Data num= 56

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	593.14	680.46	604.33	679.96	988.56	676.11	1007.21	676.05
1285.13	677.9	1309.38	677.85	1977.12	667.36	2014.43	667.22	2174.84	669.62
2215.87	670	2767.97	670	2820.2	669.6	3756.54	650.87	3827.41	650
4448.53	650	4532.46	646.75	4547.39	645.26	4633.19	640	4745.1	640
4834.63	638.27	5140.52	622.97	5237.51	619.68	5832.52	614.58	5942.56	614
7710.78	614	7809.64	614.38	7856.27	614.38	7956.99	615	8303.92	615
8303.92	613.09	8460.6	613.09	8460.6	610	9094.77	610	9266.37	609.23
9687.91	604.31	9870.7	601.94	9885.62	601.72	10072.14	600	10676.47	600
10814.71	571.62	10914.71	571.62	11114.71	600	11563.24	603.08	13088.24	608.97
13267.65	609.44	13482.94	622.24	13536.76	631.47	13698.24	652.06	13985.29	661.91
14128.82	663.47	14164.71	662.75	14433.82	660.17	14451.76	660.54	14667.06	666.96
14882.35	695								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.151	10676.47	.151	11114.71	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10676.47	11114.71	9.74	9.74	9.74	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	9.74	9.74	9.74
Crit W.S. (ft)		Flow Area (sq ft)	1311608.00	77891.98	504458.40
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1311608.00	77891.98	504458.40
Q Total (cfs)	3555.45	Flow (cfs)	2403.64	181.79	970.02
Top Width (ft)	14882.35	Top Width (ft)	10676.47	438.24	3767.64
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	188.69	Hydr. Depth (ft)	122.85	177.74	133.89
Conv. Total (cfs)	473541100.0	Conv. (cfs)	320134500.0	24212510.0	129194100.0
Length Wtd. (ft)	9.74	Wetted Per. (ft)	10724.26	443.13	3837.56
Min Ch El (ft)	571.62	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00

```
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7835.21     501.91
3142.18
  C & E Loss (ft)                     Cum SA (acres)             62.81       2.78
  23.53


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1408.70*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  593.46  680.44  604.66  679.95  989.11  676.11 1007.77  676.05
 1285.84  677.91  1310.1  677.84 1978.21  667.34 2015.54  667.23 2176.03  669.64
 2217.09     670  2769.5     670 2821.75  669.56 3758.61  650.83 3829.52     650
 4450.98     650 4534.96   646.5 4549.89  645.01 4635.74     640 4747.71     640
 4837.29  638.14 5143.35  622.83  5240.4  619.65 5835.73  614.55 5945.84     614
 7715.03     614 7813.94  614.41  7860.6  614.41 7961.38     615  8308.5     615
  8308.5  612.94 8465.26  612.94 8465.26     610 9099.78     610 9271.48  609.17
 9693.25  604.25 9876.14  601.86 9891.07  601.6310077.69     60010682.35     600
10823.53  571.5910923.53  571.5911123.53     60011574.51  603.1713107.84  609.02
13288.24  609.4713504.71  623.1813558.82  632.3513721.18  652.22 14009.8  662.06
14154.12  663.35 14190.2  662.6114460.78  660.1614478.82  660.5814695.29  667.49
14911.76     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510682.35     .1511123.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10682.3511123.53             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             9.74       9.74
   9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1312556.00   78413.19
 506700.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1312556.00   78413.19
 506700.80
  Q Total (cfs)            3554.44    Flow (cfs)               2400.26     182.62
 971.57
  Top Width (ft)          14911.76    Top Width (ft)          10682.35     441.18
3788.23
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         188.72    Hydr. Depth (ft)          122.87     177.73
 133.76
  Conv. Total (cfs)       474472400.0    Conv. (cfs)             320403300.0
24377200.0   129691900.0
```

Length Wtd. (ft)	9.74	Wetted Per. (ft)	10730.14	446.02	3858.03
Min Ch El (ft)	571.59	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	7541.83	484.44	3029.13
C & E Loss (ft)		Cum SA (acres)	60.43	2.68	22.68

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1398.97*

INPUT
Description:
Station Elevation Data num= 56

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	593.79	680.41	604.99	679.95	989.65	676.1	1008.32	676.06
1286.55	677.91	1310.82	677.83	1979.3	667.33	2016.65	667.25	2177.23	669.66
2218.31	670	2771.02	670	2823.31	669.53	3760.68	650.79	3831.63	650
4453.43	650	4537.46	646.25	4552.4	644.76	4638.29	640	4750.33	640
4839.96	638	5146.19	622.69	5243.29	619.63	5838.94	614.52	5949.11	614
7719.28	614	7818.25	614.44	7864.93	614.44	7965.76	615	8313.07	615
8313.07	612.79	8469.92	612.79	8469.92	610	9104.79	610	9276.58	609.11
9698.58	604.18	9881.58	601.78	9896.51	601.55	10083.24	600	10688.24	600
10832.35	571.56	10932.35	571.56	11132.35	600	11585.78	603.26	13127.45	609.07
13308.82	609.49	13526.47	624.12	13580.88	633.24	13744.12	652.38	14034.31	662.21
14179.41	663.24	14215.69	662.48	14487.75	660.16	14505.88	660.62	14723.53	668.03
14941.18	695								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.151	10688.24	.151	11132.35	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10688.24	11132.35	9.74	9.74	9.74	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	9.74	9.74	9.74
Crit W.S. (ft)		Flow Area (sq ft)	1313500.00	78932.46	508933.00
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1313500.00	78932.46	508933.00
Q Total (cfs)	3553.44	Flow (cfs)	2396.91	183.44	973.09
Top Width (ft)	14941.18	Top Width (ft)	10688.24	444.11	3808.83

```
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         188.75    Hydr. Depth (ft)          122.89     177.73
 133.62
  Conv. Total (cfs)       475396500.0    Conv. (cfs)             320670200.0
24541230.0   130185100.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10736.02     448.90
3878.52
  Min Ch El (ft)            571.56    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     7248.24     466.85
2915.59
  C & E Loss (ft)                     Cum SA (acres)             58.04       2.58
  21.83


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1389.23*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  594.12  680.39  605.33  679.95   990.2   676.1 1008.88  676.06
 1287.25  677.92 1311.54  677.82 1980.39  667.31 2017.76  667.27 2178.43  669.68
 2219.53     670 2772.55     670 2824.86   669.5 3762.75  650.75 3833.74     650
 4455.88     650 4539.96     646  4554.9  644.51 4640.84     640 4752.94     640
 4842.62  637.87 5149.02  622.55 5246.17   619.6 5842.16   614.5 5952.39     614
 7723.53     614 7822.55  614.47 7869.26  614.47 7970.14     615 8317.65     615
 8317.65  612.65 8474.58  612.65 8474.58     610  9109.8     610 9281.69  609.05
 9703.92  604.12 9887.01  601.69 9901.96  601.4710088.79     60010694.12     600
10841.18  571.5310941.18  571.5311141.18     60011597.06  603.3613147.06  609.12
13329.41  609.5213548.24  625.0613602.94  634.1213767.06  652.5414058.82  662.35
14204.71  663.1214241.18  662.3514514.71  660.1514532.94  660.6614751.76  668.56
14970.59     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510694.12     .1511141.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10694.1211141.18             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             9.74       9.74
   9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1314436.00   79455.55
 511153.00
```

```
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1314436.00   79455.55
 511153.00
  Q Total (cfs)            3552.43    Flow (cfs)               2393.58     184.26
 974.58
  Top Width (ft)          14970.59    Top Width (ft)          10694.12     447.06
3829.41
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         188.78    Hydr. Depth (ft)          122.91     177.73
 133.48
  Conv. Total (cfs)       476313500.0    Conv. (cfs)             320933700.0
24706400.0   130673300.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10741.90     451.81
3899.00
  Min Ch El (ft)            571.53    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6954.43     449.14
2801.54
  C & E Loss (ft)                     Cum SA (acres)             55.65       2.48
  20.98
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1379.5*

INPUT
Description:
Station Elevation Data num= 56

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	594.44	680.37	605.66	679.94	990.74	676.09	1009.43	676.06
1287.96	677.92	1312.26	677.81	1981.48	667.29	2018.87	667.28	2179.63	669.69
2220.75	670	2774.07	670	2826.42	669.47	3764.81	650.7	3835.85	650
4458.33	650	4542.45	645.75	4557.41	644.26	4643.4	640	4755.56	640
4845.28	637.74	5151.85	622.41	5249.06	619.58	5845.37	614.47	5955.66	614
7727.78	614	7826.85	614.5	7873.58	614.5	7974.53	615	8322.22	615
8322.22	612.5	8479.25	612.5	8479.25	610	9114.81	610	9286.79	608.99
9709.26	604.06	9892.45	601.61	9907.41	601.39	10094.34	600	10700	600
10850	571.5	10950	571.5	11150	600	11608.33	603.45	13166.67	609.17
13350	609.55	13570	626	13625	635	13790	652.71	14083.33	662.5
14230	663	14266.67	662.22	14541.67	660.14	14560	660.7	14780	669.1
15000	695								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10700	.15	11150	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10700	11150	9.74	9.74	9.74	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
```

Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	9.74	9.74	9.74
Crit W.S. (ft)		Flow Area (sq ft)	1315385.00	79977.05	513374.70
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1315385.00	79977.05	513374.70
Q Total (cfs)	3551.42	Flow (cfs)	2390.28	185.08	976.06
Top Width (ft)	15000.00	Top Width (ft)	10700.00	450.00	3850.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	188.81	Hydr. Depth (ft)	122.93	177.73	133.34
Conv. Total (cfs)	477236000.0	Conv. (cfs)	321203000.0	24871030.0	131162000.0
Length Wtd. (ft)	9.74	Wetted Per. (ft)	10747.78	454.70	3919.50
Min Ch El (ft)	571.50	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	6660.42	431.32	2687.00
C & E Loss (ft)		Cum SA (acres)	53.25	2.38	20.12

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1369.76*

INPUT
Description:
Station Elevation Data num= 56

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	594.77	680.35	605.99	679.94	991.29	676.09	1009.99	676.07
1288.67	677.92	1312.99	677.8	1982.57	667.27	2019.98	667.3	2180.83	669.71
2221.98	670	2775.6	670	2827.97	669.44	3766.88	650.66	3837.96	650
4460.78	650	4544.95	645.51	4559.91	644.01	4645.95	640	4758.17	640
4847.95	637.6	5154.68	622.27	5251.94	619.55	5848.58	614.44	5958.93	614
7732.03	614	7831.15	614.53	7877.91	614.53	7978.91	615	8326.8	615
8326.8	612.35	8483.91	612.35	8483.91	610	9119.83	610	9291.9	608.93
9714.6	604	9897.89	601.53	9912.85	601.31	10099.89	600	10705.88	600
10858.82	571.47	10958.82	571.47	11158.82	600	11619.61	603.54	13186.27	609.22
13370.59	609.57	13591.76	626.94	13647.06	635.88	13812.94	652.86	14107.84	662.65
14255.29	662.88	14292.16	662.09	14568.63	660.13	14587.06	660.74	14808.24	669.64
15029.41	695								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10705.88	.15	11158.82	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10705.88	11158.82	9.74	9.74	9.74	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             9.74       9.74
   9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1316327.00   80498.63
 515592.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1316327.00   80498.63
 515592.80
  Q Total (cfs)            3550.41    Flow (cfs)               2386.99     185.90
 977.53
  Top Width (ft)          15029.41    Top Width (ft)          10705.88     452.94
3870.59
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         188.84    Hydr. Depth (ft)          122.95     177.72
 133.21
  Conv. Total (cfs)       478153700.0    Conv. (cfs)             321469100.0
25035630.0   131648900.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10753.66     457.60
3940.01
  Min Ch El (ft)            571.47    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6366.19     413.37
2571.96
  C & E Loss (ft)                     Cum SA (acres)             50.86       2.28
  19.26
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

```
RIVER: SQUAW CREEK
REACH: SC                 RS: 1360.02*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720   595.1  680.33  606.33  679.94  991.83  676.08 1010.54  676.07
 1289.38  677.93 1313.71  677.78 1983.66  667.26 2021.09  667.32 2182.03  669.73
  2223.2     670 2777.12     670 2829.52  669.41 3768.95  650.62 3840.07     650
 4463.24     650 4547.45  645.26 4562.42  643.76  4648.5     640 4760.78     640
 4850.61  637.47 5157.52  622.12 5254.83  619.53  5851.8  614.41 5962.21     614
 7736.27     614 7835.46  614.56 7882.24  614.56  7983.3     615 8331.37     615
 8331.37  612.21 8488.57  612.21 8488.57     610 9124.84     610    9297  608.87
 9719.93  603.93 9903.33  601.45  9918.3  601.2310105.44     60010711.76     600
10867.65  571.4410967.65  571.4411167.65     60011630.88  603.6313205.88  609.26
13391.18   609.613613.53  627.8813669.12  636.7613835.88  653.0214132.35  662.79
14280.59  662.7614317.65  661.9614595.59  660.1214614.12  660.7814836.47  670.17
15058.82     695
```

```
Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510711.76     .1511167.65     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10711.7611167.65             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)              9.74       9.74
   9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1317269.00   81022.00
 517814.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1317269.00   81022.00
 517814.80
  Q Total (cfs)            3549.40    Flow (cfs)                2383.70     186.71
 978.99
  Top Width (ft)          15058.82    Top Width (ft)          10711.76     455.89
3891.17
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         188.87    Hydr. Depth (ft)          122.97     177.72
 133.07
  Conv. Total (cfs)       479073800.0    Conv. (cfs)             321735300.0
25200750.0   132137700.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10759.54     460.51
3960.52
  Min Ch El (ft)            571.44    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     6071.76     395.32
2456.42
  C & E Loss (ft)                     Cum SA (acres)             48.47       2.18
  18.39


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1350.29*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.42   680.3  606.66  679.93  992.37  676.08  1011.1  676.07
 1290.09  677.93 1314.43  677.77 1984.75  667.24  2022.2  667.33 2183.22  669.75
 2224.42     670 2778.65     670 2831.08  669.38 3771.02  650.58 3842.18     650
 4465.69     650 4549.94  645.01 4564.92  643.51 4651.05     640  4763.4     640
 4853.27  637.34 5160.35  621.98 5257.71  619.51 5855.01  614.39 5965.48     614
 7740.52     614 7839.76  614.59 7886.57  614.59 7987.68     615 8335.95     615
 8335.95  612.06 8493.23  612.06 8493.23     610 9129.85     610 9302.11  608.81
```

```
 9725.27  603.87 9908.77  601.37 9923.75  601.1410110.99     60010717.65     600
10876.47  571.4110976.47  571.4111176.47     60011642.16  603.7213225.49  609.31
13411.76  609.6313635.29  628.8213691.18  637.6513858.82  653.1814156.86  662.94
14305.88  662.6514343.14  661.8314622.55  660.1114641.18  660.8214864.71  670.71
15088.24     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510717.65     .1511176.47     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10717.6511176.47             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)              9.74       9.74
   9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1318213.00   81541.71
 520018.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1318213.00   81541.71
 520018.50
  Q Total (cfs)            3548.38    Flow (cfs)               2380.47     187.51
 980.41
  Top Width (ft)          15088.24    Top Width (ft)          10717.65     458.82
3911.77
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         188.90    Hydr. Depth (ft)          122.99     177.72
 132.94
  Conv. Total (cfs)       479984900.0    Conv. (cfs)             322002100.0
25364690.0   132618000.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10765.44     463.41
3981.06
  Min Ch El (ft)            571.41    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5777.11     377.14
2340.40
  C & E Loss (ft)                     Cum SA (acres)             46.07       2.07
  17.52



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1340.55*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  595.75  680.28  606.99  679.93  992.92  676.07 1011.65  676.08
```

```
  1290.8  677.94 1315.15  677.76 1985.84  667.22 2023.31  667.35 2184.42  669.77
 2225.64     670 2780.17     670 2832.63  669.35 3773.09  650.54 3844.28     650
 4468.14     650 4552.44  644.76 4567.43  643.26 4653.61     640 4766.01     640
 4855.94   637.2 5163.18  621.84  5260.6  619.48 5858.22  614.36 5968.76     614
 7744.77     614 7844.06  614.62  7890.9  614.62 7992.06     615 8340.52     615
 8340.52  611.91 8497.89  611.91 8497.89     610 9134.86     610 9307.21  608.75
 9730.61  603.81 9914.21  601.29 9929.19  601.0610116.54     60010723.53     600
10885.29  571.3810985.29  571.3811185.29     60011653.43  603.81 13245.1  609.36
13432.35  609.6513657.06  629.7613713.24  638.5313881.76  653.3414181.37  663.09
14331.18  662.5314368.63   661.714649.51  660.1114668.24  660.8614892.94  671.24
15117.65     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510723.53     .1511185.29     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10723.5311185.29              9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)              9.74       9.74
   9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1319157.00   82063.55
 522220.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1319157.00   82063.55
 522220.40
  Q Total (cfs)            3547.37    Flow (cfs)               2377.24     188.32
 981.81
  Top Width (ft)          15117.65    Top Width (ft)          10723.53     461.76
3932.36
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         188.93    Hydr. Depth (ft)          123.02     177.72
 132.80
  Conv. Total (cfs)       480895900.0    Conv. (cfs)             322268800.0
25529260.0   133097800.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10771.33     466.31
4001.60
  Min Ch El (ft)            571.38    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5482.26     358.85
2223.87
  C & E Loss (ft)                     Cum SA (acres)             43.67       1.97
  16.64


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1330.82*
```

```
INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  596.08  680.26  607.33  679.93  993.46  676.07 1012.21  676.08
  1291.5  677.94 1315.87  677.75 1986.93  667.21 2024.42  667.37 2185.62  669.78
 2226.86     670  2781.7     670 2834.18  669.32 3775.16   650.5 3846.39     650
 4470.59     650 4554.94  644.51 4569.93  643.01 4656.16     640 4768.63     640
  4858.6  637.07 5166.01   621.7 5263.48  619.46 5861.44  614.33 5972.03     614
 7749.02     614 7848.37  614.65 7895.23  614.65 7996.45     615  8345.1     615
  8345.1  611.76 8502.55  611.76 8502.55     610 9139.87     610 9312.32  608.69
 9735.95  603.75 9919.64  601.21 9934.64  600.9810122.09     60010729.41     600
10894.12  571.3510994.12  571.3511194.12     60011664.71   603.913264.71  609.41
13452.94  609.6813678.82  630.7113735.29  639.4113904.71  653.4914205.88  663.24
14356.47  662.4114394.12  661.5714676.47   660.114695.29  660.9114921.18  671.78
15147.06     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510729.41     .1511194.12     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10729.4111194.12             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             9.74       9.74
   9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1320093.00   82587.19
 524412.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1320093.00   82587.19
 524412.10
  Q Total (cfs)            3546.35    Flow (cfs)               2374.04     189.13
 983.18
  Top Width (ft)          15147.06    Top Width (ft)          10729.41     464.71
3952.94
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         188.96    Hydr. Depth (ft)          123.04     177.72
 132.66
  Conv. Total (cfs)       481800600.0    Conv. (cfs)             322532800.0
25694360.0   133573400.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10777.21     469.22
4022.15
  Min Ch El (ft)            571.35    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     5187.19     340.44
2106.86
  C & E Loss (ft)                     Cum SA (acres)             41.28       1.87
  15.76


Warning: The cross-section end points had to be extended vertically for the computed
water surface.
```

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1321.08*

INPUT
Description:
Station Elevation Data num= 56

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	596.41	680.24	607.66	679.92	994.01	676.06	1012.76	676.09
1292.21	677.95	1316.59	677.74	1988.02	667.19	2025.53	667.38	2186.82	669.8
2228.08	670	2783.22	670	2835.74	669.29	3777.23	650.46	3848.5	650
4473.04	650	4557.44	644.26	4572.44	642.76	4658.71	640	4771.24	640
4861.27	636.94	5168.85	621.56	5266.37	619.43	5864.65	614.3	5975.31	614
7753.27	614	7852.67	614.68	7899.56	614.68	8000.83	615	8349.67	615
8349.67	611.62	8507.21	611.62	8507.21	610	9144.88	610	9317.42	608.63
9741.29	603.68	9925.08	601.12	9940.09	600.91	10127.64	600	10735.29	600
10902.94	571.32	11002.94	571.32	11202.94	600	11675.98	604	13284.31	609.46
13473.53	609.71	13700.59	631.65	13757.35	640.29	13927.65	653.65	14230.39	663.38
14381.76	662.29	14419.61	661.44	14703.43	660.09	14722.35	660.95	14949.41	672.31
15176.47	695								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10735.29	.15	11202.94	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10735.29	11202.94	9.74	9.74	9.74	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	9.74	9.74	9.74
Crit W.S. (ft)		Flow Area (sq ft)	1321040.00	83109.20	526594.10
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1321040.00	83109.20	526594.10
Q Total (cfs)	3545.34	Flow (cfs)	2370.89	189.93	984.52
Top Width (ft)	15176.47	Top Width (ft)	10735.29	467.65	3973.53
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	188.99	Hydr. Depth (ft)	123.06	177.72	132.53
Conv. Total (cfs)	482704200.0	Conv. (cfs)	322800800.0	25858910.0	134044500.0
Length Wtd. (ft)	9.74	Wetted Per. (ft)	10783.11	472.13	4042.71
Min Ch El (ft)	571.32	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	4891.91	321.92	1989.36
C & E Loss (ft)		Cum SA (acres)	38.88	1.76	

14.87

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1311.35*

INPUT
Description:
Station Elevation Data num= 56

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	596.73	680.22	607.99	679.92	994.55	676.05	1013.32	676.09
1292.92	677.95	1317.31	677.73	1989.11	667.17	2026.64	667.4	2188.02	669.82
2229.3	670	2784.75	670	2837.29	669.25	3779.3	650.41	3850.61	650
4475.49	650	4559.93	644.01	4574.95	642.51	4661.27	640	4773.86	640
4863.93	636.8	5171.68	621.42	5269.26	619.41	5867.86	614.28	5978.58	614
7757.52	614	7856.97	614.71	7903.88	614.71	8005.22	615	8354.25	615
8354.25	611.47	8511.88	611.47	8511.88	610	9149.89	610	9322.53	608.57
9746.62	603.62	9930.52	601.04	9945.53	600.82	10133.19	600	10741.18	600
10911.76	571.29	11011.76	571.29	11211.76	600	11687.25	604.09	13303.92	609.51
13494.12	609.73	13722.35	632.59	13779.41	641.18	13950.59	653.81	14254.9	663.53
14407.06	662.18	14445.1	661.31	14730.39	660.08	14749.41	660.99	14977.65	672.85
15205.88	695								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10741.18	.15	11211.76	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10741.18	11211.76	9.74	9.74	9.74	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	9.74	9.74	9.74
Crit W.S. (ft)		Flow Area (sq ft)	1321992.00	83629.43	528776.40
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1321992.00	83629.43	528776.40
Q Total (cfs)	3544.32	Flow (cfs)	2367.75	190.72	985.85
Top Width (ft)	15205.88	Top Width (ft)	10741.18	470.58	3994.12
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	189.02	Hydr. Depth (ft)	123.08	177.72	132.39
Conv. Total (cfs)	483609300.0	Conv. (cfs)	323070800.0	26022890.0	134515600.0
Length Wtd. (ft)	9.74	Wetted Per. (ft)	10789.01	475.03	4063.28
Min Ch El (ft)	571.29	Shear (lb/sq ft)	0.00	0.00	

```
   0.00
  Alpha                        1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)              0.00    Cum Volume (acre-ft)     4596.42     303.28
1871.37
  C & E Loss (ft)                      Cum SA (acres)             36.47       1.66
  13.98


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                  RS: 1301.61*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.06   680.2  608.32  679.92   995.1  676.05 1013.87  676.09
 1293.63  677.96 1318.04  677.72  1990.2  667.15 2027.75  667.42 2189.22  669.84
 2230.52     670 2786.27     670 2838.85  669.22 3781.37  650.37 3852.72     650
 4477.94     650 4562.43  643.76 4577.45  642.25 4663.82     640 4776.47     640
 4866.59  636.67 5174.51  621.27 5272.14  619.38 5871.08  614.25 5981.85     614
 7761.76     614 7861.27  614.74 7908.21  614.74  8009.6     615 8358.82     615
 8358.82  611.32 8516.54  611.32 8516.54     610  9154.9     610 9327.64  608.51
 9751.96  603.56 9935.96  600.96 9950.98  600.7410138.74     60010747.06     600
10920.59  571.2611020.59  571.2611220.59     60011698.53  604.1813323.53  609.56
13514.71  609.7613744.12  633.5313801.47  642.0613973.53  653.9714279.41  663.68
14432.35  662.0614470.59  661.1814757.35  660.0714776.47  661.0315005.88  673.38
15235.29     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510747.06     .1511220.59     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10747.0611220.59             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)             760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)                0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)             760.31    Reach Len. (ft)              9.74       9.74
   9.74
  Crit W.S. (ft)                       Flow Area (sq ft)       1322937.00   84153.32
 530953.90
  E.G. Slope (ft/ft)       0.000000    Area (sq ft)            1322937.00   84153.32
 530953.90
  Q Total (cfs)             3543.30    Flow (cfs)               2364.62     191.52
 987.17
  Top Width (ft)           15235.29    Top Width (ft)          10747.06     473.53
4014.70
  Vel Total (ft/s)             0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)          189.05    Hydr. Depth (ft)          123.10     177.71
```

```
 132.25
  Conv. Total (cfs)       484510600.0    Conv. (cfs)             323337700.0
26187980.0   134984800.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10794.91     477.95
4083.86
  Min Ch El (ft)            571.26    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4300.72     284.52
1752.89
  C & E Loss (ft)                     Cum SA (acres)             34.07       1.55
  13.08
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1291.88*

INPUT
Description:
Station Elevation Data num= 56

```
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.39  680.17  608.66  679.91  995.64  676.04 1014.43   676.1
 1294.34  677.96 1318.76  677.71 1991.29  667.14 2028.86  667.43 2190.41  669.86
 2231.74     670  2787.8     670  2840.4  669.19 3783.44  650.33 3854.83     650
 4480.39     650 4564.93  643.51 4579.96     642 4666.37     640 4779.08     640
 4869.26  636.54 5177.34  621.13 5275.03  619.36 5874.29  614.22 5985.13     614
 7766.01     614 7865.58  614.76 7912.54  614.76 8013.98     615  8363.4     615
  8363.4  611.18  8521.2  611.18  8521.2     610 9159.91     610 9332.74  608.45
  9757.3   603.5  9941.4  600.88 9956.43  600.6510144.28     60010752.94     600
10929.41  571.2411029.41  571.2411229.41     600 11709.8  604.2713343.14  609.61
13535.29  609.7913765.88  634.4713823.53  642.9413996.47  654.1314303.92  663.82
14457.65  661.9414496.08  661.0514784.31  660.0714803.53  661.0715034.12  673.92
15264.71     695
```

Manning's n Values num= 3

```
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510752.94     .1511229.41     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10752.9411229.41             9.74    9.74    9.74             .1       .3
```

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             9.74       9.74
   9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1323881.00   84672.55
 533126.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1323881.00   84672.55
 533126.30
  Q Total (cfs)            3542.28    Flow (cfs)               2361.52     192.30
```

```
 988.46
  Top Width (ft)          15264.71    Top Width (ft)          10752.94     476.47
4035.30
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         189.07    Hydr. Depth (ft)          123.12     177.71
 132.12
  Conv. Total (cfs)       485407000.0    Conv. (cfs)             323604500.0
26351100.0   135451400.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10800.80     480.86
4104.46
  Min Ch El (ft)            571.24    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     4004.80     265.64
1633.93
  C & E Loss (ft)                     Cum SA (acres)             31.67       1.45
  12.18


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1282.14*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  597.71  680.15  608.99  679.91  996.19  676.04 1014.98   676.1
 1295.04  677.97 1319.48  677.69 1992.37  667.12 2029.97  667.45 2191.61  669.87
 2232.96     670 2789.32     670 2841.95  669.16 3785.51  650.29 3856.94     650
 4482.84     650 4567.43  643.26 4582.46  641.75 4668.92     640  4781.7     640
 4871.92   636.4 5180.17  620.99 5277.91  619.33 5877.51  614.19  5988.4     614
 7770.26     614 7869.88  614.79 7916.87  614.79 8018.37     615 8367.97     615
 8367.97  611.03 8525.86  611.03 8525.86     610 9164.92     610 9337.85  608.39
 9762.64  603.44 9946.84   600.8 9961.87  600.5710149.83     60010758.82     600
10938.24  571.2111038.24  571.2111238.24     60011721.08  604.3613362.75  609.66
13555.88  609.8113787.65  635.4113845.59  643.8214019.41  654.2914328.43  663.97
14482.94  661.8214521.57  660.9214811.27  660.0614830.59  661.1115062.35  674.45
15294.12     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510758.82     .1511238.24     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10758.8211238.24             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             9.74       9.74
```

```
   9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1324830.00   85196.61
 535294.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1324830.00   85196.61
 535294.60
  Q Total (cfs)            3541.26    Flow (cfs)               2358.43     193.09
 989.74
  Top Width (ft)          15294.12    Top Width (ft)          10758.82     479.42
4055.88
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         189.10    Hydr. Depth (ft)          123.14     177.71
 131.98
  Conv. Total (cfs)       486306100.0    Conv. (cfs)             323873300.0
26516190.0   135916600.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10806.70     483.78
4125.05
  Min Ch El (ft)            571.21    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3708.68     246.65
1514.48
  C & E Loss (ft)                     Cum SA (acres)             29.26       1.34
  11.28


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1272.41*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.04  680.13  609.32  679.91  996.73  676.03 1015.54   676.1
 1295.75  677.97  1320.2  677.68 1993.46   667.1 2031.08  667.47 2192.81  669.89
 2234.18     670 2790.85     670 2843.51  669.13 3787.58  650.25 3859.05     650
 4485.29     650 4569.92  643.01 4584.97   641.5 4671.48     640 4784.31     640
 4874.58  636.27 5183.01  620.85  5280.8  619.31 5880.72  614.17 5991.68     614
 7774.51     614 7874.18  614.82  7921.2  614.82 8022.75     615 8372.55     615
 8372.55  610.88 8530.52  610.88 8530.52     610 9169.93     610 9342.95  608.33
 9767.97  603.37 9952.28  600.72 9967.32  600.4910155.38     60010764.71     600
10947.06  571.1811047.06  571.1811247.06     60011732.35  604.4513382.35  609.71
13576.47  609.8413809.41  636.3513867.65  644.7114042.35  654.4514352.94  664.12
14508.24  661.7114547.06  660.7814838.24  660.0514857.65  661.1515090.59  674.99
15323.53     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510764.71     .1511247.06     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10764.7111247.06             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS
```

```
  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             9.74       9.74
   9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1325773.00   85717.19
 537453.90
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1325773.00   85717.19
 537453.90
  Q Total (cfs)            3540.24    Flow (cfs)               2355.37     193.87
 990.99
  Top Width (ft)          15323.53    Top Width (ft)          10764.71     482.35
4076.47
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         189.13    Hydr. Depth (ft)          123.16     177.71
 131.84
  Conv. Total (cfs)       487197500.0    Conv. (cfs)             324139700.0
26680180.0   136377700.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10812.61     486.68
4145.66
  Min Ch El (ft)            571.18    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3412.34     227.54
1394.54
  C & E Loss (ft)                     Cum SA (acres)             26.86       1.23
  10.37


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1262.67*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.37  680.11  609.66   679.9  997.28  676.03 1016.09  676.11
 1296.46  677.98 1320.92  677.67 1994.55  667.09 2032.19  667.48 2194.01  669.91
 2235.41     670 2792.37     670 2845.06   669.1 3789.65  650.21 3861.15     650
 4487.75     650 4572.42  642.76 4587.47  641.25 4674.03     640 4786.93     640
 4877.25  636.14 5185.84  620.71 5283.69  619.28 5883.93  614.14 5994.95     614
 7778.76     614 7878.49  614.85 7925.53  614.85 8027.14     615 8377.12     615
 8377.12  610.74 8535.18  610.74 8535.18     610 9174.95     610 9348.06  608.27
 9773.31  603.31 9957.71  600.63 9972.77  600.4110160.93     60010770.59     600
10955.88  571.1511055.88  571.1511255.88     60011743.63  604.5413401.96  609.75
13597.06  609.8713831.18  637.2913889.71  645.5914065.29  654.6114377.45  664.26
14533.53  661.5914572.55  660.65 14865.2  660.0414884.71  661.1915118.82  675.52
15352.94     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510770.59     .1511255.88     .15
```

```
Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10770.5911255.88             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             9.74       9.74
   9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1326713.00   86239.70
 539622.10
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1326713.00   86239.70
 539622.10
  Q Total (cfs)            3539.22    Flow (cfs)               2352.30     194.65
 992.26
  Top Width (ft)          15352.94    Top Width (ft)          10770.59     485.29
4097.06
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         189.16    Hydr. Depth (ft)          123.18     177.71
 131.71
  Conv. Total (cfs)       488092000.0    Conv. (cfs)             324404800.0
26844750.0   136842500.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10818.52     489.59
4166.28
  Min Ch El (ft)            571.15    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     3115.79     208.32
1274.13
  C & E Loss (ft)                     Cum SA (acres)             24.45       1.12
   9.46



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1252.94*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  598.69  680.09  609.99   679.9  997.82  676.02 1016.65  676.11
 1297.17  677.98 1321.64  677.66 1995.64  667.07  2033.3   667.5 2195.21  669.93
 2236.63     670  2793.9     670 2846.61  669.07 3791.72  650.17 3863.26     650
  4490.2     650 4574.92  642.51 4589.98     641 4676.58     640 4789.54     640
 4879.91     636 5188.67  620.57 5286.57  619.26 5887.15  614.11 5998.22     614
 7783.01     614 7882.79  614.88 7929.86  614.88 8031.52     615  8381.7     615
  8381.7  610.59 8539.84  610.59 8539.84     610 9179.96     610 9353.16  608.21
 9778.65  603.25 9963.15  600.55 9978.21  600.3310166.48     60010776.47     600
10964.71  571.1211064.71  571.1211264.71     600 11754.9  604.6313421.57   609.8
13617.65  609.8913852.94  638.2413911.76  646.4714088.24  654.7614401.96  664.41
```

```
14558.82  661.4714598.04  660.5214892.16  660.0314911.76  661.2415147.06  676.06
15382.35     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510776.47     .1511264.71     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10776.4711264.71             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)              9.74       9.74
   9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1327659.00   86764.04
 541770.80
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1327659.00   86764.04
 541770.80
  Q Total (cfs)            3538.20    Flow (cfs)               2349.28     195.44
 993.48
  Top Width (ft)          15382.35    Top Width (ft)          10776.47     488.24
4117.64
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         189.19    Hydr. Depth (ft)          123.20     177.71
 131.57
  Conv. Total (cfs)       488981200.0    Conv. (cfs)             324672100.0
27009880.0   137299200.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10824.42     492.52
4186.90
  Min Ch El (ft)            571.12    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2819.03     188.98
1153.23
  C & E Loss (ft)                     Cum SA (acres)             22.04       1.02
   8.54



Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1243.20*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.02  680.07  610.32   679.9  998.37  676.02  1017.2  676.11
 1297.88  677.99 1322.36  677.65 1996.73  667.05 2034.41  667.52 2196.41  669.95
 2237.85     670 2795.42     670 2848.17  669.04 3793.79  650.12 3865.37     650
 4492.65     650 4577.41  642.26 4592.48  640.75 4679.13     640 4792.16     640
```

```
 4882.57  635.87  5191.5  620.42 5289.46  619.23 5890.36  614.08  6001.5     614
 7787.25     614 7887.09  614.91 7934.18  614.91  8035.9     615 8386.27     615
 8386.27  610.44 8544.51  610.44 8544.51     610 9184.97     610 9358.27  608.15
 9783.99  603.19 9968.59  600.47 9983.66  600.2510172.03     60010782.35     600
10973.53  571.0911073.53  571.0911273.53     60011766.18  604.7313441.18  609.85
13638.24  609.9213874.71  639.1813933.82  647.3514111.18  654.9214426.47  664.56
14584.12  661.3514623.53  660.3914919.12  660.0214938.82  661.2815175.29  676.59
15411.76     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510782.35     .1511273.53     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10782.3511273.53              9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)              9.74       9.74
   9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1328609.00   87286.74
 543905.30
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1328609.00   87286.74
 543905.30
  Q Total (cfs)            3537.17    Flow (cfs)               2346.30     196.22
 994.65
  Top Width (ft)          15411.76    Top Width (ft)          10782.35     491.18
4138.23
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         189.22    Hydr. Depth (ft)          123.22     177.71
 131.43
  Conv. Total (cfs)       489865400.0    Conv. (cfs)             324941300.0
27174480.0   137749700.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10830.33     495.43
4207.54
  Min Ch El (ft)            571.09    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2522.06     169.52
1031.85
  C & E Loss (ft)                     Cum SA (acres)             19.63       0.91
   7.62


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION


RIVER: SQUAW CREEK
REACH: SC                 RS: 1233.47*

INPUT
Description:
```

```
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.35  680.04  610.65  679.89  998.91  676.01 1017.76  676.12
 1298.58  677.99 1323.09  677.64 1997.82  667.03 2035.52  667.53  2197.6  669.96
 2239.07     670 2796.95     670 2849.72  669.01 3795.86  650.08 3867.48     650
  4495.1     650 4579.91  642.01 4594.99   640.5 4681.69     640 4794.77     640
 4885.24  635.74 5194.34  620.28 5292.34  619.21 5893.57  614.06 6004.77     614
  7791.5     614 7891.39  614.94 7938.51  614.94 8040.29     615 8390.85     615
 8390.85  610.29 8549.17  610.29 8549.17     610 9189.98     610 9363.37  608.09
 9789.32  603.12 9974.03  600.39 9989.11  600.1610177.58     60010788.24     600
10982.35  571.0611082.35  571.0611282.35     60011777.45  604.8213460.78   609.9
13658.82  609.9513896.47  640.1213955.88  648.2414134.12  655.0814450.98  664.71
14609.41  661.2414649.02  660.2614946.08  660.0214965.88  661.3215203.53  677.13
15441.18     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510788.24     .1511282.35     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10788.2411282.35             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)              9.74       9.74
   9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1329560.00   87807.50
 546039.40
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1329560.00   87807.50
 546039.40
  Q Total (cfs)            3536.15    Flow (cfs)               2343.34     196.99
 995.81
  Top Width (ft)          15441.18    Top Width (ft)          10788.24     494.11
4158.83
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         189.25    Hydr. Depth (ft)          123.24     177.71
 131.30
  Conv. Total (cfs)       490748700.0    Conv. (cfs)             325210500.0
27338460.0   138199700.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10836.25     498.34
4228.20
  Min Ch El (ft)            571.06    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     2224.88     149.94
 909.99
  C & E Loss (ft)                     Cum SA (acres)             17.22       0.80
   6.69


Warning: The cross-section end points had to be extended vertically for the computed
water surface.

CROSS SECTION
```

```
RIVER: SQUAW CREEK
REACH: SC                  RS: 1223.73*

INPUT
Description:
Station Elevation Data    num=      56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
       0     720  599.67  680.02  610.99  679.89  999.46  676.01 1018.31  676.12
 1299.29     678 1323.81  677.63 1998.91  667.02 2036.63  667.55  2198.8  669.98
 2240.29     670 2798.47     670 2851.28  668.97 3797.93  650.04 3869.59     650
 4497.55     650 4582.41  641.76 4597.49  640.25 4684.24     640 4797.39     640
  4887.9   635.6 5197.17  620.14 5295.23  619.18 5896.79  614.03 6008.05     614
 7795.75     614  7895.7  614.97 7942.84  614.97 8044.67     615 8395.42     615
 8395.42  610.15 8553.83  610.15 8553.83     610 9194.99     610 9368.48  608.03
 9794.66  603.06 9979.47  600.31 9994.55  600.0810183.13     60010794.12     600
10991.18  571.0311091.18  571.0311291.18     60011788.73  604.9113480.39  609.95
13679.41  609.9713918.24  641.0613977.94  649.1214157.06  655.2414475.49  664.85
14634.71  661.1214674.51  660.1314973.04  660.0114992.94  661.3615231.76  677.66
15470.59     695

Manning's n Values        num=       3
     Sta   n Val     Sta   n Val     Sta   n Val
       0     .1510794.12     .1511291.18     .15

Bank Sta: Left   Right    Lengths: Left Channel   Right     Coeff Contr.   Expan.
      10794.1211291.18             9.74    9.74    9.74             .1       .3

CROSS SECTION OUTPUT  Profile #Max WS


  E.G. Elev (ft)            760.31    Element                   Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                 0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             9.74       9.74
   9.74
  Crit W.S. (ft)                      Flow Area (sq ft)       1330506.00   88332.08
 548176.60
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1330506.00   88332.08
 548176.60
  Q Total (cfs)            3535.12    Flow (cfs)               2340.37     197.77
 996.98
  Top Width (ft)          15470.59    Top Width (ft)          10794.12     497.06
4179.41
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
  Max Chl Dpth (ft)         189.28    Hydr. Depth (ft)          123.26     177.71
 131.16
  Conv. Total (cfs)       491632800.0    Conv. (cfs)             325477900.0
27503620.0   138651400.0
  Length Wtd. (ft)            9.74    Wetted Per. (ft)        10842.16     501.26
4248.84
  Min Ch El (ft)            571.03    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)     1927.49     130.25
 787.66
  C & E Loss (ft)                     Cum SA (acres)             14.81       0.69
   5.76
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1214

INPUT
Description:
Station Elevation Data num= 32

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10800	600	11000	571	11100	571	11300	600	11800	605
13500	610	13700	610	14000	650	14500	665	14700	660
15000	660	15500	695						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10800	.15	11300	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10800	11300	2.94	2.94	2.94	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	2.94	2.94	2.94
Crit W.S. (ft)		Flow Area (sq ft)	1331449.00	88855.06	550302.50
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1331449.00	88855.06	550302.50
Q Total (cfs)	3534.09	Flow (cfs)	2337.43	198.54	998.12
Top Width (ft)	15500.00	Top Width (ft)	10800.00	500.00	4200.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	189.31	Hydr. Depth (ft)	123.28	177.71	131.02
Conv. Total (cfs)	492510500.0	Conv. (cfs)	325744200.0	27668270.0	139098100.0
Length Wtd. (ft)	2.94	Wetted Per. (ft)	10848.07	504.18	4269.51
Min Ch El (ft)	571.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	1629.88	110.44	664.85
C & E Loss (ft)		Cum SA (acres)	12.39	0.57	4.82

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1211.05*

INPUT
Description:
Station Elevation Data num= 32

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10800	600	11000	570.94	11100	570.94	11300	600	11800	605
13500	610	13700	610	14000	650	14500	665	14700	660
15000	660	15500	695						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10800	.15	11300	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10800	11300	2.94	2.94	2.94	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	2.94	2.94	2.94
Crit W.S. (ft)		Flow Area (sq ft)	1331449.00	88873.06	550302.50
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1331449.00	88873.06	550302.50
Q Total (cfs)	6934.38	Flow (cfs)	4586.29	389.68	1958.42
Top Width (ft)	15500.00	Top Width (ft)	10800.00	500.00	4200.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	189.37	Hydr. Depth (ft)	123.28	177.75	131.02
Conv. Total (cfs)	492519300.0	Conv. (cfs)	325744200.0	27676980.0	139098100.0
Length Wtd. (ft)	2.94	Wetted Per. (ft)	10848.07	504.20	4269.51
Min Ch El (ft)	570.94	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	1540.02	104.44	627.71
C & E Loss (ft)		Cum SA (acres)	11.66	0.54	4.54

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1208.11*

INPUT
Description:
Station Elevation Data num= 32

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10800	600	11000	570.88	11100	570.88	11300	600	11800	605
13500	610	13700	610	14000	650	14500	665	14700	660
15000	660	15500	695						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10800	.15	11300	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10800	11300	2.94	2.94	2.94	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	2.94	2.94	2.94
Crit W.S. (ft)		Flow Area (sq ft)	1331449.00	88891.06	550302.50
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1331449.00	88891.06	550302.50
Q Total (cfs)	6934.07	Flow (cfs)	4586.00	389.77	1958.30
Top Width (ft)	15500.00	Top Width (ft)	10800.00	500.00	4200.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	189.43	Hydr. Depth (ft)	123.28	177.78	131.02
Conv. Total (cfs)	492528000.0	Conv. (cfs)	325744200.0	27685690.0	139098100.0
Length Wtd. (ft)	2.94	Wetted Per. (ft)	10848.07	504.22	4269.51
Min Ch El (ft)	570.88	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	1450.15	98.45	590.57
C & E Loss (ft)		Cum SA (acres)	10.93	0.51	

4.25

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1205.17*

INPUT
Description:
Station Elevation Data num= 32

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10800	600	11000	570.82	11100	570.82	11300	600	11800	605
13500	610	13700	610	14000	650	14500	665	14700	660
15000	660	15500	695						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10800	.15	11300	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10800	11300	2.94	2.94	2.94	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	2.94	2.94	2.94
Crit W.S. (ft)		Flow Area (sq ft)	1331449.00	88909.05	550302.50
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1331449.00	88909.05	550302.50
Q Total (cfs)	6933.76	Flow (cfs)	4585.71	389.87	1958.18
Top Width (ft)	15500.00	Top Width (ft)	10800.00	500.00	4200.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	189.49	Hydr. Depth (ft)	123.28	177.82	131.02
Conv. Total (cfs)	492536700.0	Conv. (cfs)	325744200.0	27694400.0	139098100.0
Length Wtd. (ft)	2.94	Wetted Per. (ft)	10848.07	504.24	4269.51
Min Ch El (ft)	570.82	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	1360.29	92.44	553.42

C & E Loss (ft)		Cum SA (acres)	10.20	0.47
3.97				

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1202.23*

INPUT
Description:
Station Elevation Data num= 32

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10800	600	11000	570.76	11100	570.76	11300	600	11800	605
13500	610	13700	610	14000	650	14500	665	14700	660
15000	660	15500	695						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10800	.15	11300	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10800	11300	2.94	2.94	2.94	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	2.94	2.94	2.94
Crit W.S. (ft)		Flow Area (sq ft)	1331449.00	88927.05	550302.50
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1331449.00	88927.05	550302.50
Q Total (cfs)	6933.45	Flow (cfs)	4585.43	389.97	1958.05
Top Width (ft)	15500.00	Top Width (ft)	10800.00	500.00	4200.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	189.55	Hydr. Depth (ft)	123.28	177.85	131.02
Conv. Total (cfs)	492545400.0	Conv. (cfs)	325744200.0	27703110.0	139098100.0
Length Wtd. (ft)	2.94	Wetted Per. (ft)	10848.07	504.25	4269.51
Min Ch El (ft)	570.76	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	1270.43	86.44	

516.28
C & E Loss (ft) Cum SA (acres) 9.48 0.44
3.69

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1199.29*

INPUT
Description:
Station Elevation Data num= 32

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10800	600	11000	570.71	11100	570.71	11300	600	11800	605
13500	610	13700	610	14000	650	14500	665	14700	660
15000	660	15500	695						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10800	.15	11300	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10800	11300	2.94	2.94	2.94	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft) 760.31 Element Left OB Channel
Right OB
Vel Head (ft) 0.00 Wt. n-Val. 0.150 0.150
0.150
W.S. Elev (ft) 760.31 Reach Len. (ft) 2.94 2.94
2.94
Crit W.S. (ft) Flow Area (sq ft) 1331449.00 88942.05
550302.50
E.G. Slope (ft/ft) 0.000000 Area (sq ft) 1331449.00 88942.05
550302.50
Q Total (cfs) 6933.14 Flow (cfs) 4585.16 390.05
1957.94
Top Width (ft) 15500.00 Top Width (ft) 10800.00 500.00
4200.00
Vel Total (ft/s) 0.00 Avg. Vel. (ft/s) 0.00 0.00
0.00
Max Chl Dpth (ft) 189.60 Hydr. Depth (ft) 123.28 177.88
131.02
Conv. Total (cfs) 492552600.0 Conv. (cfs) 325744200.0
27710370.0 139098100.0
Length Wtd. (ft) 2.94 Wetted Per. (ft) 10848.07 504.27
4269.51
Min Ch El (ft) 570.71 Shear (lb/sq ft) 0.00 0.00
0.00
Alpha 1.01 Stream Power (lb/ft s) 0.00 0.00
0.00

Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	1180.56	80.44	479.14
C & E Loss (ft)		Cum SA (acres)	8.75	0.40	3.40

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1196.35*

INPUT
Description:
Station Elevation Data num= 32

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10800	600	11000	570.65	11100	570.65	11300	600	11800	605
13500	610	13700	610	14000	650	14500	665	14700	660
15000	660	15500	695						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10800	.15	11300	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10800	11300	2.94	2.94	2.94	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	2.94	2.94	2.94
Crit W.S. (ft)		Flow Area (sq ft)	1331449.00	88960.05	550302.50
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1331449.00	88960.05	550302.50
Q Total (cfs)	6932.83	Flow (cfs)	4584.87	390.15	1957.81
Top Width (ft)	15500.00	Top Width (ft)	10800.00	500.00	4200.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	189.66	Hydr. Depth (ft)	123.28	177.92	131.02
Conv. Total (cfs)	492561300.0	Conv. (cfs)	325744200.0	27719080.0	139098100.0
Length Wtd. (ft)	2.94	Wetted Per. (ft)	10848.07	504.28	4269.51
Min Ch El (ft)	570.65	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	

0.00					
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	1090.70	74.44	442.00
C & E Loss (ft)		Cum SA (acres)	8.02	0.37	3.12

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1193.41*

INPUT
Description:
Station Elevation Data num= 32

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10800	600	11000	570.59	11100	570.59	11300	600	11800	605
13500	610	13700	610	14000	650	14500	665	14700	660
15000	660	15500	695						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10800	.15	11300	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10800	11300	2.94	2.94	2.94	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	2.94	2.94	2.94
Crit W.S. (ft)		Flow Area (sq ft)	1331449.00	88978.05	550302.50
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1331449.00	88978.05	550302.50
Q Total (cfs)	6932.52	Flow (cfs)	4584.58	390.25	1957.69
Top Width (ft)	15500.00	Top Width (ft)	10800.00	500.00	4200.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	189.72	Hydr. Depth (ft)	123.28	177.96	131.02
Conv. Total (cfs)	492570000.0	Conv. (cfs)	325744200.0	27727780.0	139098100.0
Length Wtd. (ft)	2.94	Wetted Per. (ft)	10848.07	504.30	4269.51
Min Ch El (ft)	570.59	Shear (lb/sq ft)	0.00	0.00	0.00

Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	1000.84	68.43	404.86
C & E Loss (ft)		Cum SA (acres)	7.29	0.34	2.83

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1190.47*

INPUT
Description:
Station Elevation Data num= 32

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10800	600	11000	570.53	11100	570.53	11300	600	11800	605
13500	610	13700	610	14000	650	14500	665	14700	660
15000	660	15500	695						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10800	.15	11300	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10800	11300	2.94	2.94	2.94	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	2.94	2.94	2.94
Crit W.S. (ft)		Flow Area (sq ft)	1331449.00	88996.05	550302.50
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1331449.00	88996.05	550302.50
Q Total (cfs)	6932.21	Flow (cfs)	4584.30	390.34	1957.57
Top Width (ft)	15500.00	Top Width (ft)	10800.00	500.00	4200.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	189.78	Hydr. Depth (ft)	123.28	177.99	131.02
Conv. Total (cfs)	492578800.0	Conv. (cfs)	325744200.0	27736490.0	139098100.0
Length Wtd. (ft)	2.94	Wetted Per. (ft)	10848.07	504.32	4269.51
Min Ch El (ft)	570.53	Shear (lb/sq ft)	0.00	0.00	

0.00					
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	910.97	62.43	367.72
C & E Loss (ft)		Cum SA (acres)	6.56	0.30	2.55

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1187.52*

INPUT
Description:
Station Elevation Data num= 32

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10800	600	11000	570.47	11100	570.47	11300	600	11800	605
13500	610	13700	610	14000	650	14500	665	14700	660
15000	660	15500	695						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10800	.15	11300	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10800	11300	2.94	2.94	2.94	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	2.94	2.94	2.94
Crit W.S. (ft)		Flow Area (sq ft)	1331449.00	89014.07	550302.50
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1331449.00	89014.07	550302.50
Q Total (cfs)	6931.90	Flow (cfs)	4584.01	390.44	1957.45
Top Width (ft)	15500.00	Top Width (ft)	10800.00	500.00	4200.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	189.84	Hydr. Depth (ft)	123.28	178.03	131.02
Conv. Total (cfs)	492587500.0	Conv. (cfs)	325744200.0	27745210.0	139098100.0
Length Wtd. (ft)	2.94	Wetted Per. (ft)	10848.07	504.34	4269.51

Min Ch El (ft)	570.47	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	821.11	56.42	330.57
C & E Loss (ft)		Cum SA (acres)	5.83	0.27	2.27

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1184.58*

INPUT
Description:
Station Elevation Data num= 32

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10800	600	11000	570.41	11100	570.41	11300	600	11800	605
13500	610	13700	610	14000	650	14500	665	14700	660
15000	660	15500	695						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10800	.15	11300	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10800	11300	2.94	2.94	2.94	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	2.94	2.94	2.94
Crit W.S. (ft)		Flow Area (sq ft)	1331449.00	89032.07	550302.50
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1331449.00	89032.07	550302.50
Q Total (cfs)	6931.60	Flow (cfs)	4583.73	390.54	1957.33
Top Width (ft)	15500.00	Top Width (ft)	10800.00	500.00	4200.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	189.90	Hydr. Depth (ft)	123.28	178.06	131.02
Conv. Total (cfs)	492596200.0	Conv. (cfs)	325744200.0	27753920.0	139098100.0
Length Wtd. (ft)	2.94	Wetted Per. (ft)	10848.07	504.35	

4269.51					
Min Ch El (ft)	570.41	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	731.24	50.41	293.43
C & E Loss (ft)		Cum SA (acres)	5.10	0.24	1.98

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1181.64*

INPUT
Description:
Station Elevation Data num= 32

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10800	600	11000	570.35	11100	570.35	11300	600	11800	605
13500	610	13700	610	14000	650	14500	665	14700	660
15000	660	15500	695						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10800	.15	11300	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10800	11300	2.94	2.94	2.94	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	2.94	2.94	2.94
Crit W.S. (ft)		Flow Area (sq ft)	1331449.00	89050.07	550302.50
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1331449.00	89050.07	550302.50
Q Total (cfs)	6931.29	Flow (cfs)	4583.44	390.64	1957.21
Top Width (ft)	15500.00	Top Width (ft)	10800.00	500.00	4200.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	189.96	Hydr. Depth (ft)	123.28	178.10	131.02
Conv. Total (cfs)	492604900.0	Conv. (cfs)	325744200.0	27762630.0	139098100.0

Length Wtd. (ft)	2.94	Wetted Per. (ft)	10848.07	504.37	4269.51
Min Ch El (ft)	570.35	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	641.38	44.40	256.29
C & E Loss (ft)		Cum SA (acres)	4.37	0.20	1.70

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1178.70*

INPUT
Description:
Station Elevation Data num= 32

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10800	600	11000	570.29	11100	570.29	11300	600	11800	605
13500	610	13700	610	14000	650	14500	665	14700	660
15000	660	15500	695						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10800	.15	11300	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10800	11300	2.94	2.94	2.94	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	2.94	2.94	2.94
Crit W.S. (ft)		Flow Area (sq ft)	1331449.00	89068.07	550302.50
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1331449.00	89068.07	550302.50
Q Total (cfs)	6930.98	Flow (cfs)	4583.16	390.74	1957.08
Top Width (ft)	15500.00	Top Width (ft)	10800.00	500.00	4200.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	190.02	Hydr. Depth (ft)	123.28	178.14	131.02
Conv. Total (cfs)	492613600.0	Conv. (cfs)	325744200.0		

27771330.0	139098100.0				
Length Wtd. (ft)	2.94	Wetted Per. (ft)	10848.07	504.39	4269.51
Min Ch El (ft)	570.29	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	551.52	38.39	219.15
C & E Loss (ft)		Cum SA (acres)	3.64	0.17	1.42

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1175.76*

INPUT
Description:
Station Elevation Data num= 32

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10800	600	11000	570.24	11100	570.24	11300	600	11800	605
13500	610	13700	610	14000	650	14500	665	14700	660
15000	660	15500	695						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10800	.15	11300	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10800	11300	2.94	2.94	2.94	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	2.94	2.94	2.94
Crit W.S. (ft)		Flow Area (sq ft)	1331449.00	89083.06	550302.50
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1331449.00	89083.06	550302.50
Q Total (cfs)	6930.67	Flow (cfs)	4582.89	390.82	1956.97
Top Width (ft)	15500.00	Top Width (ft)	10800.00	500.00	4200.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	190.07	Hydr. Depth (ft)	123.28	178.17	131.02

Conv. Total (cfs)	492620900.0	Conv. (cfs)	325744200.0	27778580.0	139098100.0
Length Wtd. (ft)	2.94	Wetted Per. (ft)	10848.07	504.40	4269.51
Min Ch El (ft)	570.24	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	461.65	32.38	182.01
C & E Loss (ft)		Cum SA (acres)	2.92	0.13	1.13

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1172.82*

INPUT
Description:
Station Elevation Data num= 32

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10800	600	11000	570.18	11100	570.18	11300	600	11800	605
13500	610	13700	610	14000	650	14500	665	14700	660
15000	660	15500	695						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10800	.15	11300	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10800	11300	2.94	2.94	2.94	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	2.94	2.94	2.94
Crit W.S. (ft)		Flow Area (sq ft)	1331449.00	89101.06	550302.50
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1331449.00	89101.06	550302.50
Q Total (cfs)	6930.36	Flow (cfs)	4582.60	390.91	1956.85
Top Width (ft)	15500.00	Top Width (ft)	10800.00	500.00	4200.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	190.13	Hydr. Depth (ft)	123.28	178.20	

```
 131.02
  Conv. Total (cfs)       492629600.0    Conv. (cfs)             325744200.0
27787290.0   139098100.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10848.07     504.42
4269.51
  Min Ch El (ft)            570.18    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      371.79      26.37
 144.87
  C & E Loss (ft)                     Cum SA (acres)              2.19       0.10
   0.85
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1169.88*

INPUT
Description:
Station Elevation Data num= 32

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10800	600	11000	570.12	11100	570.12	11300	600	11800	605
13500	610	13700	610	14000	650	14500	665	14700	660
15000	660	15500	695						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10800	.15	11300	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10800	11300	2.94	2.94	2.94	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             2.94       2.94
   2.94
  Crit W.S. (ft)                      Flow Area (sq ft)       1331449.00   89119.06
 550302.50
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1331449.00   89119.06
 550302.50
  Q Total (cfs)            6930.05    Flow (cfs)               4582.32     391.01
1956.72
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00
4200.00
  Vel Total (ft/s)            0.00    Avg. Vel. (ft/s)            0.00       0.00
   0.00
```

Max Chl Dpth (ft)	190.19	Hydr. Depth (ft)	123.28	178.24	131.02
Conv. Total (cfs)	492638300.0	Conv. (cfs)	325744200.0	27795990.0	139098100.0
Length Wtd. (ft)	2.94	Wetted Per. (ft)	10848.07	504.44	4269.51
Min Ch El (ft)	570.12	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	281.93	20.35	107.73
C & E Loss (ft)		Cum SA (acres)	1.46	0.07	0.57

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1166.94*

INPUT
Description:
Station Elevation Data num= 32

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10800	600	11000	570.06	11100	570.06	11300	600	11800	605
13500	610	13700	610	14000	650	14500	665	14700	660
15000	660	15500	695						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10800	.15	11300	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10800	11300	2.94	2.94	2.94	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

E.G. Elev (ft)	760.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.00	Wt. n-Val.	0.150	0.150	0.150
W.S. Elev (ft)	760.31	Reach Len. (ft)	2.94	2.94	2.94
Crit W.S. (ft)		Flow Area (sq ft)	1331448.00	89137.00	550302.00
E.G. Slope (ft/ft)	0.000000	Area (sq ft)	1331448.00	89137.00	550302.00
Q Total (cfs)	6929.75	Flow (cfs)	4582.03	391.11	1956.60
Top Width (ft)	15500.00	Top Width (ft)	10800.00	500.00	4200.00
Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	

```
   0.00
  Max Chl Dpth (ft)         190.25    Hydr. Depth (ft)          123.28     178.27
 131.02
  Conv. Total (cfs)       492646200.0    Conv. (cfs)             325743600.0
27804670.0   139097900.0
  Length Wtd. (ft)            2.94    Wetted Per. (ft)        10848.07     504.46
4269.51
  Min Ch El (ft)            570.06    Shear (lb/sq ft)            0.00       0.00
   0.00
  Alpha                       1.01    Stream Power (lb/ft s)      0.00       0.00
   0.00
  Frctn Loss (ft)             0.00    Cum Volume (acre-ft)      192.06      14.34
  70.58
  C & E Loss (ft)                     Cum SA (acres)              0.73       0.03
   0.28
```

Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION

RIVER: SQUAW CREEK
REACH: SC RS: 1164

INPUT
Description:
Station Elevation Data num= 32

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	720	600	680	1000	676	1300	678	2000	667
2200	670	2800	670	3800	650	4500	650	4600	640
4800	640	5200	620	5900	614	7800	614	7900	615
8400	615	8400	610	9200	610	9800	603	10000	600
10800	600	11000	570	11100	570	11300	600	11800	605
13500	610	13700	610	14000	650	14500	665	14700	660
15000	660	15500	695						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.15	10800	.15	11300	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
10800	11300	5	5	5	.1	.3

CROSS SECTION OUTPUT Profile #Max WS

```
  E.G. Elev (ft)            760.31    Element                    Left OB    Channel
Right OB
  Vel Head (ft)               0.00    Wt. n-Val.                  0.150      0.150
  0.150
  W.S. Elev (ft)            760.31    Reach Len. (ft)             5.00       5.00
   5.00
  Crit W.S. (ft)                      Flow Area (sq ft)       1331448.00   89155.00
 550302.00
  E.G. Slope (ft/ft)      0.000000    Area (sq ft)            1331448.00   89155.00
 550302.00
  Q Total (cfs)            6929.43    Flow (cfs)               4581.75     391.21
1956.48
  Top Width (ft)          15500.00    Top Width (ft)          10800.00     500.00
4200.00
```

Vel Total (ft/s)	0.00	Avg. Vel. (ft/s)	0.00	0.00	0.00
Max Chl Dpth (ft)	190.31	Hydr. Depth (ft)	123.28	178.31	131.02
Conv. Total (cfs)	492654900.0	Conv. (cfs)	325743600.0	27813370.0	139097900.0
Length Wtd. (ft)	5.00	Wetted Per. (ft)	10848.07	504.48	4269.51
Min Ch El (ft)	570.00	Shear (lb/sq ft)	0.00	0.00	0.00
Alpha	1.01	Stream Power (lb/ft s)	0.00	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	102.20	8.32	33.44
C & E Loss (ft)	0.00	Cum SA (acres)			

Warning: The cross-section end points had to be extended vertically for the computed water surface.

SUMMARY OF MANNING'S N VALUES

River:PALUXY

Reach	River Sta.	n1	n2	n3
PALUXY RIVER	25092	.15	.15	.15
PALUXY RIVER	22745	.15	.15	.15
PALUXY RIVER	21047	.15	.15	.15
PALUXY RIVER	19331	.15	.15	.15
PALUXY RIVER	17277	.15	.15	.15
PALUXY RIVER	15741	.15	.15	.15
PALUXY RIVER	14471	.15	.15	.15
PALUXY RIVER	14325.1*	.15	.15	.15
PALUXY RIVER	14179.2*	.15	.15	.15
PALUXY RIVER	14033.4*	.15	.15	.15
PALUXY RIVER	13887.5*	.15	.15	.15
PALUXY RIVER	13741.7*	.15	.15	.15
PALUXY RIVER	13595.8*	.15	.15	.15
PALUXY RIVER	13450	.15	.15	.15
PALUXY RIVER	12129	.15	.15	.15
PALUXY RIVER	11391	.15	.15	.15
PALUXY RIVER	11366.1*	.15	.15	.15
PALUXY RIVER	11341.3*	.15	.15	.15
PALUXY RIVER	11316.4*	.15	.15	.15
PALUXY RIVER	11291.6*	.15	.15	.15
PALUXY RIVER	11266.8*	.15	.15	.15
PALUXY RIVER	11241.9*	.15	.15	.15
PALUXY RIVER	11217.1*	.15	.15	.15
PALUXY RIVER	11192.2*	.15	.15	.15
PALUXY RIVER	11167.4*	.15	.15	.15
PALUXY RIVER	11142.6*	.15	.15	.15
PALUXY RIVER	11117.7*	.15	.15	.15
PALUXY RIVER	11092.9*	.15	.15	.15
PALUXY RIVER	11068.0*	.15	.15	.15
PALUXY RIVER	11043.2*	.15	.15	.15
PALUXY RIVER	11018.4*	.15	.15	.15
PALUXY RIVER	10993.5*	.15	.15	.15
PALUXY RIVER	10968.7*	.15	.15	.15

PALUXY RIVER	10943.8*	.15	.15	.15
PALUXY RIVER	10919.0*	.15	.15	.15
PALUXY RIVER	10894.2*	.15	.15	.15
PALUXY RIVER	10869.3*	.15	.15	.15
PALUXY RIVER	10844.5*	.15	.15	.15
PALUXY RIVER	10819.6*	.15	.15	.15
PALUXY RIVER	10794.8*	.15	.15	.15
PALUXY RIVER	10770.*	.15	.15	.15
PALUXY RIVER	10745.1*	.15	.15	.15
PALUXY RIVER	10720.3*	.15	.15	.15
PALUXY RIVER	10695.4*	.15	.15	.15
PALUXY RIVER	10670.6*	.15	.15	.15
PALUXY RIVER	10645.8*	.15	.15	.15
PALUXY RIVER	10620.9*	.15	.15	.15
PALUXY RIVER	10596.1*	.15	.15	.15
PALUXY RIVER	10571.2*	.15	.15	.15
PALUXY RIVER	10546.4*	.15	.15	.15
PALUXY RIVER	10521.6*	.15	.15	.15
PALUXY RIVER	10496.7*	.15	.15	.15
PALUXY RIVER	10471.9*	.15	.15	.15
PALUXY RIVER	10447.0*	.15	.15	.15
PALUXY RIVER	10422.2*	.15	.15	.15
PALUXY RIVER	10397.4*	.15	.15	.15
PALUXY RIVER	10372.5*	.15	.15	.15
PALUXY RIVER	10347.7*	.15	.15	.15
PALUXY RIVER	10322.8*	.15	.15	.15
PALUXY RIVER	10298.0*	.15	.15	.15
PALUXY RIVER	10273.2*	.15	.15	.15
PALUXY RIVER	10248.3*	.15	.15	.15
PALUXY RIVER	10223.5*	.15	.15	.15
PALUXY RIVER	10198.6*	.15	.15	.15
PALUXY RIVER	10173.8*	.15	.15	.15
PALUXY RIVER	10149.*	.15	.15	.15
PALUXY RIVER	10124.1*	.15	.15	.15
PALUXY RIVER	10099.3*	.15	.15	.15
PALUXY RIVER	10074.4*	.15	.15	.15
PALUXY RIVER	10049.6*	.15	.15	.15
PALUXY RIVER	10024.8*	.15	.15	.15
PALUXY RIVER	9999.96*	.15	.15	.15
PALUXY RIVER	9975.12*	.15	.15	.15
PALUXY RIVER	9950.28*	.15	.15	.15
PALUXY RIVER	9925.44*	.15	.15	.15
PALUXY RIVER	9900.6*	.15	.15	.15
PALUXY RIVER	9875.76*	.15	.15	.15
PALUXY RIVER	9850.92*	.15	.15	.15
PALUXY RIVER	9826.08*	.15	.15	.15
PALUXY RIVER	9801.24*	.15	.15	.15
PALUXY RIVER	9776.4*	.15	.15	.15
PALUXY RIVER	9751.56*	.15	.15	.15
PALUXY RIVER	9726.72*	.15	.15	.15
PALUXY RIVER	9701.88*	.15	.15	.15
PALUXY RIVER	9677.04*	.15	.15	.15
PALUXY RIVER	9652.2*	.15	.15	.15
PALUXY RIVER	9627.36*	.15	.15	.15
PALUXY RIVER	9602.52*	.15	.15	.15
PALUXY RIVER	9577.68*	.15	.15	.15
PALUXY RIVER	9552.84*	.15	.15	.15
PALUXY RIVER	9528.00*	.15	.15	.15
PALUXY RIVER	9503.16*	.15	.15	.15
PALUXY RIVER	9478.32*	.15	.15	.15
PALUXY RIVER	9453.48*	.15	.15	.15
PALUXY RIVER	9428.64*	.15	.15	.15
PALUXY RIVER	9403.80*	.15	.15	.15

PALUXY RIVER	9378.96*	.15	.15	.15
PALUXY RIVER	9354.12*	.15	.15	.15
PALUXY RIVER	9329.28*	.15	.15	.15
PALUXY RIVER	9304.44*	.15	.15	.15
PALUXY RIVER	9279.60*	.15	.15	.15
PALUXY RIVER	9254.76*	.15	.15	.15
PALUXY RIVER	9229.92*	.15	.15	.15
PALUXY RIVER	9205.08*	.15	.15	.15
PALUXY RIVER	9180.24*	.15	.15	.15
PALUXY RIVER	9155.4*	.15	.15	.15
PALUXY RIVER	9130.56*	.15	.15	.15
PALUXY RIVER	9105.72*	.15	.15	.15
PALUXY RIVER	9080.88*	.15	.15	.15
PALUXY RIVER	9056.04*	.15	.15	.15
PALUXY RIVER	9031.2*	.15	.15	.15
PALUXY RIVER	9006.35*	.15	.15	.15
PALUXY RIVER	8981.52*	.15	.15	.15
PALUXY RIVER	8956.68*	.15	.15	.15
PALUXY RIVER	8931.84*	.15	.15	.15
PALUXY RIVER	8907	.15	.15	.15
PALUXY RIVER	8861.14*	.15	.15	.15
PALUXY RIVER	8815.28*	.15	.15	.15
PALUXY RIVER	8769.42*	.15	.15	.15
PALUXY RIVER	8723.57*	.15	.15	.15
PALUXY RIVER	8677.71*	.15	.15	.15
PALUXY RIVER	8631.85*	.15	.15	.15
PALUXY RIVER	8586.*	.15	.15	.15
PALUXY RIVER	8540.14*	.15	.15	.15
PALUXY RIVER	8494.28*	.15	.15	.15
PALUXY RIVER	8448.42*	.15	.15	.15
PALUXY RIVER	8402.57*	.15	.15	.15
PALUXY RIVER	8356.71*	.15	.15	.15
PALUXY RIVER	8310.85*	.15	.15	.15
PALUXY RIVER	8265.*	.15	.15	.15
PALUXY RIVER	8219.14*	.15	.15	.15
PALUXY RIVER	8173.28*	.15	.15	.15
PALUXY RIVER	8127.42*	.15	.15	.15
PALUXY RIVER	8081.57*	.15	.15	.15
PALUXY RIVER	8035.71*	.15	.15	.15
PALUXY RIVER	7989.85*	.15	.15	.15
PALUXY RIVER	7944	.15	.15	.15
PALUXY RIVER	7886.4*	.15	.15	.15
PALUXY RIVER	7828.8*	.15	.15	.15
PALUXY RIVER	7771.2*	.15	.15	.15
PALUXY RIVER	7713.6*	.15	.15	.15
PALUXY RIVER	7656.*	.15	.15	.15
PALUXY RIVER	7598.4*	.15	.15	.15
PALUXY RIVER	7540.8*	.15	.15	.15
PALUXY RIVER	7483.2*	.15	.15	.15
PALUXY RIVER	7425.6*	.15	.15	.15
PALUXY RIVER	7368.*	.15	.15	.15
PALUXY RIVER	7310.4*	.15	.15	.15
PALUXY RIVER	7252.8*	.15	.15	.15
PALUXY RIVER	7195.2*	.15	.15	.15
PALUXY RIVER	7137.6*	.15	.15	.15
PALUXY RIVER	7080	.15	.15	.15
PALUXY RIVER	7065.01*	.15	.15	.15
PALUXY RIVER	7050.03*	.15	.15	.15
PALUXY RIVER	7035.04*	.15	.15	.15
PALUXY RIVER	7020.06*	.15	.15	.15
PALUXY RIVER	7005.07*	.15	.15	.15
PALUXY RIVER	6990.09*	.15	.15	.15
PALUXY RIVER	6975.10*	.15	.15	.15

PALUXY RIVER	6960.12*	.15	.15	.15
PALUXY RIVER	6945.13*	.15	.15	.15
PALUXY RIVER	6930.15*	.15	.15	.15
PALUXY RIVER	6915.16*	.15	.15	.15
PALUXY RIVER	6900.18*	.15	.15	.15
PALUXY RIVER	6885.19*	.15	.15	.15
PALUXY RIVER	6870.21*	.15	.15	.15
PALUXY RIVER	6855.22*	.15	.15	.15
PALUXY RIVER	6840.24*	.15	.15	.15
PALUXY RIVER	6825.25*	.15	.15	.15
PALUXY RIVER	6810.27*	.15	.15	.15
PALUXY RIVER	6795.28*	.15	.15	.15
PALUXY RIVER	6780.30*	.15	.15	.15
PALUXY RIVER	6765.31*	.15	.15	.15
PALUXY RIVER	6750.33*	.15	.15	.15
PALUXY RIVER	6735.34*	.15	.15	.15
PALUXY RIVER	6720.36*	.15	.15	.15
PALUXY RIVER	6705.37*	.15	.15	.15
PALUXY RIVER	6690.39*	.15	.15	.15
PALUXY RIVER	6675.40*	.15	.15	.15
PALUXY RIVER	6660.42*	.15	.15	.15
PALUXY RIVER	6645.43*	.15	.15	.15
PALUXY RIVER	6630.45*	.15	.15	.15
PALUXY RIVER	6615.47*	.15	.15	.15
PALUXY RIVER	6600.48*	.15	.15	.15
PALUXY RIVER	6585.5*	.15	.15	.15
PALUXY RIVER	6570.51*	.15	.15	.15
PALUXY RIVER	6555.53*	.15	.15	.15
PALUXY RIVER	6540.54*	.15	.15	.15
PALUXY RIVER	6525.56*	.15	.15	.15
PALUXY RIVER	6510.57*	.15	.15	.15
PALUXY RIVER	6495.59*	.15	.15	.15
PALUXY RIVER	6480.60*	.15	.15	.15
PALUXY RIVER	6465.62*	.15	.15	.15
PALUXY RIVER	6450.63*	.15	.15	.15
PALUXY RIVER	6435.65*	.15	.15	.15
PALUXY RIVER	6420.66*	.15	.15	.15
PALUXY RIVER	6405.68*	.15	.15	.15
PALUXY RIVER	6390.69*	.15	.15	.15
PALUXY RIVER	6375.71*	.15	.15	.15
PALUXY RIVER	6360.72*	.15	.15	.15
PALUXY RIVER	6345.74*	.15	.15	.15
PALUXY RIVER	6330.75*	.15	.15	.15
PALUXY RIVER	6315.77*	.15	.15	.15
PALUXY RIVER	6300.78*	.15	.15	.15
PALUXY RIVER	6285.80*	.15	.15	.15
PALUXY RIVER	6270.81*	.15	.15	.15
PALUXY RIVER	6255.83*	.15	.15	.15
PALUXY RIVER	6240.84*	.15	.15	.15
PALUXY RIVER	6225.86*	.15	.15	.15
PALUXY RIVER	6210.87*	.15	.15	.15
PALUXY RIVER	6195.89*	.15	.15	.15
PALUXY RIVER	6180.91*	.15	.15	.15
PALUXY RIVER	6165.92*	.15	.15	.15
PALUXY RIVER	6150.94*	.15	.15	.15
PALUXY RIVER	6135.95*	.15	.15	.15
PALUXY RIVER	6120.97*	.15	.15	.15
PALUXY RIVER	6105.98*	.15	.15	.15
PALUXY RIVER	6091.00*	.15	.15	.15
PALUXY RIVER	6076.01*	.15	.15	.15
PALUXY RIVER	6061.03*	.15	.15	.15
PALUXY RIVER	6046.04*	.15	.15	.15
PALUXY RIVER	6031.06*	.15	.15	.15

PALUXY RIVER	6016.07*	.15	.15	.15
PALUXY RIVER	6001.09*	.15	.15	.15
PALUXY RIVER	5986.10*	.15	.15	.15
PALUXY RIVER	5971.12*	.15	.15	.15
PALUXY RIVER	5956.13*	.15	.15	.15
PALUXY RIVER	5941.15*	.15	.15	.15
PALUXY RIVER	5926.16*	.15	.15	.15
PALUXY RIVER	5911.18*	.15	.15	.15
PALUXY RIVER	5896.19*	.15	.15	.15
PALUXY RIVER	5881.21*	.15	.15	.15
PALUXY RIVER	5866.22*	.15	.15	.15
PALUXY RIVER	5851.24*	.15	.15	.15
PALUXY RIVER	5836.25*	.15	.15	.15
PALUXY RIVER	5821.27*	.15	.15	.15
PALUXY RIVER	5806.29*	.15	.15	.15
PALUXY RIVER	5791.30*	.15	.15	.15
PALUXY RIVER	5776.32*	.15	.15	.15
PALUXY RIVER	5761.33*	.15	.15	.15
PALUXY RIVER	5746.35*	.15	.15	.15
PALUXY RIVER	5731.36*	.15	.15	.15
PALUXY RIVER	5716.38*	.15	.15	.15
PALUXY RIVER	5701.39*	.15	.15	.15
PALUXY RIVER	5686.41*	.15	.15	.15
PALUXY RIVER	5671.42*	.15	.15	.15
PALUXY RIVER	5656.44*	.15	.15	.15
PALUXY RIVER	5641.45*	.15	.15	.15
PALUXY RIVER	5626.47*	.15	.15	.15
PALUXY RIVER	5611.48*	.15	.15	.15
PALUXY RIVER	5596.50*	.15	.15	.15
PALUXY RIVER	5581.51*	.15	.15	.15
PALUXY RIVER	5566.53*	.15	.15	.15
PALUXY RIVER	5551.54*	.15	.15	.15
PALUXY RIVER	5536.56*	.15	.15	.15
PALUXY RIVER	5521.57*	.15	.15	.15
PALUXY RIVER	5506.59*	.15	.15	.15
PALUXY RIVER	5491.60*	.15	.15	.15
PALUXY RIVER	5476.62*	.15	.15	.15
PALUXY RIVER	5461.63*	.15	.15	.15
PALUXY RIVER	5446.65*	.15	.15	.15
PALUXY RIVER	5431.66*	.15	.15	.15
PALUXY RIVER	5416.68*	.15	.15	.15
PALUXY RIVER	5401.69*	.15	.15	.15
PALUXY RIVER	5386.71*	.15	.15	.15
PALUXY RIVER	5371.72*	.15	.15	.15
PALUXY RIVER	5356.74*	.15	.15	.15
PALUXY RIVER	5341.76*	.15	.15	.15
PALUXY RIVER	5326.77*	.15	.15	.15
PALUXY RIVER	5311.79*	.15	.15	.15
PALUXY RIVER	5296.80*	.15	.15	.15
PALUXY RIVER	5281.82*	.15	.15	.15
PALUXY RIVER	5266.83*	.15	.15	.15
PALUXY RIVER	5251.85*	.15	.15	.15
PALUXY RIVER	5236.86*	.15	.15	.15
PALUXY RIVER	5221.88*	.15	.15	.15
PALUXY RIVER	5206.89*	.15	.15	.15
PALUXY RIVER	5191.91*	.15	.15	.15
PALUXY RIVER	5176.92*	.15	.15	.15
PALUXY RIVER	5161.94*	.15	.15	.15
PALUXY RIVER	5146.95*	.15	.15	.15
PALUXY RIVER	5131.97*	.15	.15	.15
PALUXY RIVER	5116.98*	.15	.15	.15
PALUXY RIVER	5102	.15	.15	.15
LOWER PALUXY	3838	.15	.15	.15

LOWER PALUXY	3833.02*	.15	.15	.15
LOWER PALUXY	3828.03*	.15	.15	.15
LOWER PALUXY	3823.05*	.15	.15	.15
LOWER PALUXY	3818.07*	.15	.15	.15
LOWER PALUXY	3813.09*	.15	.15	.15
LOWER PALUXY	3808.11*	.15	.15	.15
LOWER PALUXY	3803.13*	.15	.15	.15
LOWER PALUXY	3798.15*	.15	.15	.15
LOWER PALUXY	3793.17*	.15	.15	.15
LOWER PALUXY	3788.19*	.15	.15	.15
LOWER PALUXY	3783.21*	.15	.15	.15
LOWER PALUXY	3778.23*	.15	.15	.15
LOWER PALUXY	3773.25*	.15	.15	.15
LOWER PALUXY	3768.27*	.15	.15	.15
LOWER PALUXY	3763.29*	.15	.15	.15
LOWER PALUXY	3758.31*	.15	.15	.15
LOWER PALUXY	3753.33*	.15	.15	.15
LOWER PALUXY	3748.35*	.15	.15	.15
LOWER PALUXY	3743.37*	.15	.15	.15
LOWER PALUXY	3738.38*	.15	.15	.15
LOWER PALUXY	3733.40*	.15	.15	.15
LOWER PALUXY	3728.42*	.15	.15	.15
LOWER PALUXY	3723.44*	.15	.15	.15
LOWER PALUXY	3718.46*	.15	.15	.15
LOWER PALUXY	3713.48*	.15	.15	.15
LOWER PALUXY	3708.50*	.15	.15	.15
LOWER PALUXY	3703.52*	.15	.15	.15
LOWER PALUXY	3698.54*	.15	.15	.15
LOWER PALUXY	3693.56*	.15	.15	.15
LOWER PALUXY	3688.58*	.15	.15	.15
LOWER PALUXY	3683.60*	.15	.15	.15
LOWER PALUXY	3678.62*	.15	.15	.15
LOWER PALUXY	3673.64*	.15	.15	.15
LOWER PALUXY	3668.66*	.15	.15	.15
LOWER PALUXY	3663.68*	.15	.15	.15
LOWER PALUXY	3658.7*	.15	.15	.15
LOWER PALUXY	3653.72*	.15	.15	.15
LOWER PALUXY	3648.73*	.15	.15	.15
LOWER PALUXY	3643.75*	.15	.15	.15
LOWER PALUXY	3638.77*	.15	.15	.15
LOWER PALUXY	3633.79*	.15	.15	.15
LOWER PALUXY	3628.81*	.15	.15	.15
LOWER PALUXY	3623.83*	.15	.15	.15
LOWER PALUXY	3618.85*	.15	.15	.15
LOWER PALUXY	3613.87*	.15	.15	.15
LOWER PALUXY	3608.89*	.15	.15	.15
LOWER PALUXY	3603.91*	.15	.15	.15
LOWER PALUXY	3598.93*	.15	.15	.15
LOWER PALUXY	3593.95*	.15	.15	.15
LOWER PALUXY	3588.97*	.15	.15	.15
LOWER PALUXY	3583.99*	.15	.15	.15
LOWER PALUXY	3579.01*	.15	.15	.15
LOWER PALUXY	3574.03*	.15	.15	.15
LOWER PALUXY	3569.05*	.15	.15	.15
LOWER PALUXY	3564.07*	.15	.15	.15
LOWER PALUXY	3559.08*	.15	.15	.15
LOWER PALUXY	3554.10*	.15	.15	.15
LOWER PALUXY	3549.12*	.15	.15	.15
LOWER PALUXY	3544.14*	.15	.15	.15
LOWER PALUXY	3539.16*	.15	.15	.15
LOWER PALUXY	3534.18*	.15	.15	.15
LOWER PALUXY	3529.20*	.15	.15	.15
LOWER PALUXY	3524.22*	.15	.15	.15

LOWER PALUXY	3519.24*	.15	.15	.15
LOWER PALUXY	3514.26*	.15	.15	.15
LOWER PALUXY	3509.28*	.15	.15	.15
LOWER PALUXY	3504.30*	.15	.15	.15
LOWER PALUXY	3499.32*	.15	.15	.15
LOWER PALUXY	3494.34*	.15	.15	.15
LOWER PALUXY	3489.36*	.15	.15	.15
LOWER PALUXY	3484.38*	.15	.15	.15
LOWER PALUXY	3479.40*	.15	.15	.15
LOWER PALUXY	3474.42*	.15	.15	.15
LOWER PALUXY	3469.44*	.15	.15	.15
LOWER PALUXY	3464.45*	.15	.15	.15
LOWER PALUXY	3459.47*	.15	.15	.15
LOWER PALUXY	3454.49*	.15	.15	.15
LOWER PALUXY	3449.51*	.15	.15	.15
LOWER PALUXY	3444.53*	.15	.15	.15
LOWER PALUXY	3439.55*	.15	.15	.15
LOWER PALUXY	3434.57*	.15	.15	.15
LOWER PALUXY	3429.59*	.15	.15	.15
LOWER PALUXY	3424.61*	.15	.15	.15
LOWER PALUXY	3419.63*	.15	.15	.15
LOWER PALUXY	3414.65*	.15	.15	.15
LOWER PALUXY	3409.67*	.15	.15	.15
LOWER PALUXY	3404.69*	.15	.15	.15
LOWER PALUXY	3399.71*	.15	.15	.15
LOWER PALUXY	3394.73*	.15	.15	.15
LOWER PALUXY	3389.75*	.15	.15	.15
LOWER PALUXY	3384.77*	.15	.15	.15
LOWER PALUXY	3379.79*	.15	.15	.15
LOWER PALUXY	3374.81*	.15	.15	.15
LOWER PALUXY	3369.82*	.15	.15	.15
LOWER PALUXY	3364.84*	.15	.15	.15
LOWER PALUXY	3359.86*	.15	.15	.15
LOWER PALUXY	3354.88*	.15	.15	.15
LOWER PALUXY	3349.90*	.15	.15	.15
LOWER PALUXY	3344.92*	.15	.15	.15
LOWER PALUXY	3339.94*	.15	.15	.15
LOWER PALUXY	3334.96*	.15	.15	.15
LOWER PALUXY	3329.98*	.15	.15	.15
LOWER PALUXY	3325.00*	.15	.15	.15
LOWER PALUXY	3320.02*	.15	.15	.15
LOWER PALUXY	3315.04*	.15	.15	.15
LOWER PALUXY	3310.06*	.15	.15	.15
LOWER PALUXY	3305.08*	.15	.15	.15
LOWER PALUXY	3300.10*	.15	.15	.15
LOWER PALUXY	3295.12*	.15	.15	.15
LOWER PALUXY	3290.14*	.15	.15	.15
LOWER PALUXY	3285.16*	.15	.15	.15
LOWER PALUXY	3280.17*	.15	.15	.15
LOWER PALUXY	3275.19*	.15	.15	.15
LOWER PALUXY	3270.21*	.15	.15	.15
LOWER PALUXY	3265.23*	.15	.15	.15
LOWER PALUXY	3260.25*	.15	.15	.15
LOWER PALUXY	3255.27*	.15	.15	.15
LOWER PALUXY	3250.29*	.15	.15	.15
LOWER PALUXY	3245.31*	.15	.15	.15
LOWER PALUXY	3240.33*	.15	.15	.15
LOWER PALUXY	3235.35*	.15	.15	.15
LOWER PALUXY	3230.37*	.15	.15	.15
LOWER PALUXY	3225.39*	.15	.15	.15
LOWER PALUXY	3220.41*	.15	.15	.15
LOWER PALUXY	3215.43*	.15	.15	.15
LOWER PALUXY	3210.45*	.15	.15	.15

LOWER PALUXY	3205.47*	.15	.15	.15
LOWER PALUXY	3200.49*	.15	.15	.15
LOWER PALUXY	3195.51*	.15	.15	.15
LOWER PALUXY	3190.53*	.15	.15	.15
LOWER PALUXY	3185.54*	.15	.15	.15
LOWER PALUXY	3180.56*	.15	.15	.15
LOWER PALUXY	3175.58*	.15	.15	.15
LOWER PALUXY	3170.60*	.15	.15	.15
LOWER PALUXY	3165.62*	.15	.15	.15
LOWER PALUXY	3160.64*	.15	.15	.15
LOWER PALUXY	3155.66*	.15	.15	.15
LOWER PALUXY	3150.68*	.15	.15	.15
LOWER PALUXY	3145.70*	.15	.15	.15
LOWER PALUXY	3140.72*	.15	.15	.15
LOWER PALUXY	3135.74*	.15	.15	.15
LOWER PALUXY	3130.76*	.15	.15	.15
LOWER PALUXY	3125.78*	.15	.15	.15
LOWER PALUXY	3120.80*	.15	.15	.15
LOWER PALUXY	3115.82*	.15	.15	.15
LOWER PALUXY	3110.84*	.15	.15	.15
LOWER PALUXY	3105.86*	.15	.15	.15
LOWER PALUXY	3100.88*	.15	.15	.15
LOWER PALUXY	3095.9*	.15	.15	.15
LOWER PALUXY	3090.91*	.15	.15	.15
LOWER PALUXY	3085.93*	.15	.15	.15
LOWER PALUXY	3080.95*	.15	.15	.15
LOWER PALUXY	3075.97*	.15	.15	.15
LOWER PALUXY	3070.99*	.15	.15	.15
LOWER PALUXY	3066.01*	.15	.15	.15
LOWER PALUXY	3061.03*	.15	.15	.15
LOWER PALUXY	3056.05*	.15	.15	.15
LOWER PALUXY	3051.07*	.15	.15	.15
LOWER PALUXY	3046.09*	.15	.15	.15
LOWER PALUXY	3041.11*	.15	.15	.15
LOWER PALUXY	3036.13*	.15	.15	.15
LOWER PALUXY	3031.15*	.15	.15	.15
LOWER PALUXY	3026.17*	.15	.15	.15
LOWER PALUXY	3021.19*	.15	.15	.15
LOWER PALUXY	3016.21*	.15	.15	.15
LOWER PALUXY	3011.23*	.15	.15	.15
LOWER PALUXY	3006.25*	.15	.15	.15
LOWER PALUXY	3001.27*	.15	.15	.15
LOWER PALUXY	2996.28*	.15	.15	.15
LOWER PALUXY	2991.30*	.15	.15	.15
LOWER PALUXY	2986.32*	.15	.15	.15
LOWER PALUXY	2981.34*	.15	.15	.15
LOWER PALUXY	2976.36*	.15	.15	.15
LOWER PALUXY	2971.38*	.15	.15	.15
LOWER PALUXY	2966.40*	.15	.15	.15
LOWER PALUXY	2961.42*	.15	.15	.15
LOWER PALUXY	2956.44*	.15	.15	.15
LOWER PALUXY	2951.46*	.15	.15	.15
LOWER PALUXY	2946.48*	.15	.15	.15
LOWER PALUXY	2941.50*	.15	.15	.15
LOWER PALUXY	2936.52*	.15	.15	.15
LOWER PALUXY	2931.54*	.15	.15	.15
LOWER PALUXY	2926.56*	.15	.15	.15
LOWER PALUXY	2921.58*	.15	.15	.15
LOWER PALUXY	2916.6*	.15	.15	.15
LOWER PALUXY	2911.62*	.15	.15	.15
LOWER PALUXY	2906.63*	.15	.15	.15
LOWER PALUXY	2901.65*	.15	.15	.15
LOWER PALUXY	2896.67*	.15	.15	.15

LOWER PALUXY	2891.69*	.15	.15	.15
LOWER PALUXY	2886.71*	.15	.15	.15
LOWER PALUXY	2881.73*	.15	.15	.15
LOWER PALUXY	2876.75*	.15	.15	.15
LOWER PALUXY	2871.77*	.15	.15	.15
LOWER PALUXY	2866.79*	.15	.15	.15
LOWER PALUXY	2861.81*	.15	.15	.15
LOWER PALUXY	2856.83*	.15	.15	.15
LOWER PALUXY	2851.85*	.15	.15	.15
LOWER PALUXY	2846.87*	.15	.15	.15
LOWER PALUXY	2841.89*	.15	.15	.15
LOWER PALUXY	2836.91*	.15	.15	.15
LOWER PALUXY	2831.93*	.15	.15	.15
LOWER PALUXY	2826.95*	.15	.15	.15
LOWER PALUXY	2821.97*	.15	.15	.15
LOWER PALUXY	2816.99*	.15	.15	.15
LOWER PALUXY	2812.00*	.15	.15	.15
LOWER PALUXY	2807.02*	.15	.15	.15
LOWER PALUXY	2802.04*	.15	.15	.15
LOWER PALUXY	2797.06*	.15	.15	.15
LOWER PALUXY	2792.08*	.15	.15	.15
LOWER PALUXY	2787.10*	.15	.15	.15
LOWER PALUXY	2782.12*	.15	.15	.15
LOWER PALUXY	2777.14*	.15	.15	.15
LOWER PALUXY	2772.16*	.15	.15	.15
LOWER PALUXY	2767.18*	.15	.15	.15
LOWER PALUXY	2762.20*	.15	.15	.15
LOWER PALUXY	2757.22*	.15	.15	.15
LOWER PALUXY	2752.24*	.15	.15	.15
LOWER PALUXY	2747.26*	.15	.15	.15
LOWER PALUXY	2742.28*	.15	.15	.15
LOWER PALUXY	2737.30*	.15	.15	.15
LOWER PALUXY	2732.32*	.15	.15	.15
LOWER PALUXY	2727.34*	.15	.15	.15
LOWER PALUXY	2722.36*	.15	.15	.15
LOWER PALUXY	2717.37*	.15	.15	.15
LOWER PALUXY	2712.39*	.15	.15	.15
LOWER PALUXY	2707.41*	.15	.15	.15
LOWER PALUXY	2702.43*	.15	.15	.15
LOWER PALUXY	2697.45*	.15	.15	.15
LOWER PALUXY	2692.47*	.15	.15	.15
LOWER PALUXY	2687.49*	.15	.15	.15
LOWER PALUXY	2682.51*	.15	.15	.15
LOWER PALUXY	2677.53*	.15	.15	.15
LOWER PALUXY	2672.55*	.15	.15	.15
LOWER PALUXY	2667.57*	.15	.15	.15
LOWER PALUXY	2662.59*	.15	.15	.15
LOWER PALUXY	2657.61*	.15	.15	.15
LOWER PALUXY	2652.63*	.15	.15	.15
LOWER PALUXY	2647.65*	.15	.15	.15
LOWER PALUXY	2642.67*	.15	.15	.15
LOWER PALUXY	2637.69*	.15	.15	.15
LOWER PALUXY	2632.71*	.15	.15	.15
LOWER PALUXY	2627.72*	.15	.15	.15
LOWER PALUXY	2622.74*	.15	.15	.15
LOWER PALUXY	2617.76*	.15	.15	.15
LOWER PALUXY	2612.78*	.15	.15	.15
LOWER PALUXY	2607.80*	.15	.15	.15
LOWER PALUXY	2602.82*	.15	.15	.15
LOWER PALUXY	2597.84*	.15	.15	.15
LOWER PALUXY	2592.86*	.15	.15	.15
LOWER PALUXY	2587.88*	.15	.15	.15
LOWER PALUXY	2582.90*	.15	.15	.15

LOWER PALUXY	2577.92*	.15	.15	.15
LOWER PALUXY	2572.94*	.15	.15	.15
LOWER PALUXY	2567.96*	.15	.15	.15
LOWER PALUXY	2562.98*	.15	.15	.15
LOWER PALUXY	2558	.15	.15	.15
LOWER PALUXY	924	.15	.15	.15
LOWER PALUXY	923.5*	.15	.15	.15
LOWER PALUXY	923.*	.15	.15	.15
LOWER PALUXY	922.5*	.15	.15	.15
LOWER PALUXY	922.*	.15	.15	.15
LOWER PALUXY	921.5*	.15	.15	.15
LOWER PALUXY	921.*	.15	.15	.15
LOWER PALUXY	920.5*	.15	.15	.15
LOWER PALUXY	920.*	.15	.15	.15
LOWER PALUXY	919.5*	.15	.15	.15
LOWER PALUXY	919.*	.15	.15	.15
LOWER PALUXY	918.5*	.15	.15	.15
LOWER PALUXY	918.*	.15	.15	.15
LOWER PALUXY	917.5*	.15	.15	.15
LOWER PALUXY	917.*	.15	.15	.15
LOWER PALUXY	916.5*	.15	.15	.15
LOWER PALUXY	916.*	.15	.15	.15
LOWER PALUXY	915.5*	.15	.15	.15
LOWER PALUXY	915.*	.15	.15	.15
LOWER PALUXY	914.5*	.15	.15	.15
LOWER PALUXY	914.*	.15	.15	.15
LOWER PALUXY	913.5*	.15	.15	.15
LOWER PALUXY	913.*	.15	.15	.15
LOWER PALUXY	912.5*	.15	.15	.15
LOWER PALUXY	912.*	.15	.15	.15
LOWER PALUXY	911.5*	.15	.15	.15
LOWER PALUXY	911.*	.15	.15	.15
LOWER PALUXY	910.5*	.15	.15	.15
LOWER PALUXY	910.*	.15	.15	.15
LOWER PALUXY	909.5*	.15	.15	.15
LOWER PALUXY	909.*	.15	.15	.15
LOWER PALUXY	908.5*	.15	.15	.15
LOWER PALUXY	908.*	.15	.15	.15
LOWER PALUXY	907.5*	.15	.15	.15
LOWER PALUXY	907.*	.15	.15	.15
LOWER PALUXY	906.5*	.15	.15	.15
LOWER PALUXY	906.*	.15	.15	.15
LOWER PALUXY	905.5*	.15	.15	.15
LOWER PALUXY	905.*	.15	.15	.15
LOWER PALUXY	904.5*	.15	.15	.15
LOWER PALUXY	904.*	.15	.15	.15
LOWER PALUXY	903.5*	.15	.15	.15
LOWER PALUXY	903.*	.15	.15	.15
LOWER PALUXY	902.5*	.15	.15	.15
LOWER PALUXY	902.*	.15	.15	.15
LOWER PALUXY	901.5*	.15	.15	.15
LOWER PALUXY	901.*	.15	.15	.15
LOWER PALUXY	900.5*	.15	.15	.15
LOWER PALUXY	900.*	.15	.15	.15
LOWER PALUXY	899.5*	.15	.15	.15
LOWER PALUXY	899.*	.15	.15	.15
LOWER PALUXY	898.5*	.15	.15	.15
LOWER PALUXY	898.*	.15	.15	.15
LOWER PALUXY	897.5*	.15	.15	.15
LOWER PALUXY	897.*	.15	.15	.15
LOWER PALUXY	896.5*	.15	.15	.15
LOWER PALUXY	896.*	.15	.15	.15
LOWER PALUXY	895.5*	.15	.15	.15

LOWER PALUXY	895.*	.15	.15	.15
LOWER PALUXY	894.5*	.15	.15	.15
LOWER PALUXY	894.*	.15	.15	.15
LOWER PALUXY	893.5*	.15	.15	.15
LOWER PALUXY	893.*	.15	.15	.15
LOWER PALUXY	892.5*	.15	.15	.15
LOWER PALUXY	892.*	.15	.15	.15
LOWER PALUXY	891.5*	.15	.15	.15
LOWER PALUXY	891.*	.15	.15	.15
LOWER PALUXY	890.5*	.15	.15	.15
LOWER PALUXY	890.*	.15	.15	.15
LOWER PALUXY	889.5*	.15	.15	.15
LOWER PALUXY	889.*	.15	.15	.15
LOWER PALUXY	888.5*	.15	.15	.15
LOWER PALUXY	888.*	.15	.15	.15
LOWER PALUXY	887.5*	.15	.15	.15
LOWER PALUXY	887.*	.15	.15	.15
LOWER PALUXY	886.5*	.15	.15	.15
LOWER PALUXY	886.*	.15	.15	.15
LOWER PALUXY	885.5*	.15	.15	.15
LOWER PALUXY	885.*	.15	.15	.15
LOWER PALUXY	884.5*	.15	.15	.15
LOWER PALUXY	884.*	.15	.15	.15
LOWER PALUXY	883.5*	.15	.15	.15
LOWER PALUXY	883.*	.15	.15	.15
LOWER PALUXY	882.5*	.15	.15	.15
LOWER PALUXY	882.*	.15	.15	.15
LOWER PALUXY	881.5*	.15	.15	.15
LOWER PALUXY	881.*	.15	.15	.15
LOWER PALUXY	880.5*	.15	.15	.15
LOWER PALUXY	880.*	.15	.15	.15
LOWER PALUXY	879.5*	.15	.15	.15
LOWER PALUXY	879.*	.15	.15	.15
LOWER PALUXY	878.5*	.15	.15	.15
LOWER PALUXY	878.*	.15	.15	.15
LOWER PALUXY	877.5*	.15	.15	.15
LOWER PALUXY	877.*	.15	.15	.15
LOWER PALUXY	876.5*	.15	.15	.15
LOWER PALUXY	876.*	.15	.15	.15
LOWER PALUXY	875.5*	.15	.15	.15
LOWER PALUXY	875.*	.15	.15	.15
LOWER PALUXY	874.5*	.15	.15	.15
LOWER PALUXY	874	.15	.15	.15

River:SQUAW CREEK

Reach	River Sta.	n1	n2	n3
SC	24757	.15	.15	.15
SC	24756.*	.15	.15	.15
SC	24755.*	.15	.15	.15
SC	24754.*	.15	.15	.15
SC	24753.*	.15	.15	.15
SC	24752.*	.15	.15	.15
SC	24751.*	.15	.15	.15
SC	24750.*	.15	.15	.15
SC	24749.*	.15	.15	.15
SC	24748.*	.15	.15	.15
SC	24747	.15	.15	.15
SC	24722.5*	.15	.15	.15
SC	24698.*	.15	.15	.15
SC	24673.5*	.15	.15	.15

SC	24649.*	.15	.15	.15
SC	24624.5*	.15	.15	.15
SC	24600	.15	.15	.15
SC	24576.2*	.15	.15	.15
SC	24552.4*	.15	.15	.15
SC	24528.6*	.15	.15	.15
SC	24504.9*	.15	.15	.15
SC	24481.1*	.15	.15	.15
SC	24457.3*	.15	.15	.15
SC	24433.6*	.15	.15	.15
SC	24409.8*	.15	.15	.15
SC	24386.0*	.15	.15	.15
SC	24362.3*	.15	.15	.15
SC	24338.5*	.15	.15	.15
SC	24314.7*	.15	.15	.15
SC	24291	.15	.15	.15
SC	23906	.15	.15	.15
SC	23793.3*	.15	.15	.15
SC	23680.6*	.15	.15	.15
SC	23568	.15	.15	.15
SC	23437.*	.15	.15	.15
SC	23306.*	.15	.15	.15
SC	23175.*	.15	.15	.15
SC	23044	.15	.15	.15
SC	22997.6*	.15	.15	.15
SC	22951.3*	.15	.15	.15
SC	22905.0*	.15	.15	.15
SC	22858.7*	.15	.15	.15
SC	22812.4*	.15	.15	.15
SC	22766.1*	.15	.15	.15
SC	22719.8*	.15	.15	.15
SC	22673.5*	.15	.15	.15
SC	22627.2*	.15	.15	.15
SC	22580.9*	.15	.15	.15
SC	22534.6*	.15	.15	.15
SC	22488.3*	.15	.15	.15
SC	22442	.15	.15	.15
SC	21993	.15	.15	.15
SC	21307	.15	.15	.15
SC	21209.5*	.15	.15	.15
SC	21112.*	.15	.15	.15
SC	21014.5*	.15	.15	.15
SC	20917.*	.15	.15	.15
SC	20819.5*	.15	.15	.15
SC	20722.*	.15	.15	.15
SC	20624.5*	.15	.15	.15
SC	20527.*	.15	.15	.15
SC	20429.5*	.15	.15	.15
SC	20332.*	.15	.15	.15
SC	20234.5*	.15	.15	.15
SC	20137	.15	.15	.15
SC	19802	.15	.15	.15
SC	19213	.15	.15	.15
SC	18923	.15	.15	.15
SC	18864	.15	.15	.15
SC	18691.3*	.15	.15	.15
SC	18518.6*	.15	.15	.15
SC	18346	.15	.15	.15
SC	17925	.15	.15	.15
SC	17511	.15	.15	.15
SC	17070	.15	.15	.15
SC	16659	.15	.15	.15
SC	16167	.15	.15	.15

SC	15599	.15	.15	.15
SC	14801	.15	.15	.15
SC	14323	.15	.15	.15
SC	13921	.15	.15	.15
SC	13504	.15	.15	.15
SC	13054	.15	.15	.15
SC	12713	.15	.15	.15
SC	12301	.15	.15	.15
SC	11565	.15	.15	.15
SC	11411	.15	.15	.15
SC	11002	.15	.15	.15
SC	10578	.15	.15	.15
SC	10312	.15	.15	.15
SC	10023	.15	.15	.15
SC	9191	.15	.15	.15
SC	8809	.15	.15	.15
SC	8282	.15	.15	.15
SC	7678	.15	.15	.15
SC	7370	.15	.15	.15
SC	6699	.15	.15	.15
SC	5861	.15	.15	.15
SC	5194	.15	.15	.15
SC	4720	.15	.15	.15
SC	4673.5*	.15	.15	.15
SC	4627.*	.15	.15	.15
SC	4580.5*	.15	.15	.15
SC	4534.*	.15	.15	.15
SC	4487.5*	.15	.15	.15
SC	4441.*	.15	.15	.15
SC	4394.5*	.15	.15	.15
SC	4348.*	.15	.15	.15
SC	4301.5*	.15	.15	.15
SC	4255	.15	.15	.15
SC	4209.5*	.15	.15	.15
SC	4164.*	.15	.15	.15
SC	4118.5*	.15	.15	.15
SC	4073.*	.15	.15	.15
SC	4027.5*	.15	.15	.15
SC	3982.*	.15	.15	.15
SC	3936.5*	.15	.15	.15
SC	3891	.15	.15	.15
SC	3443	.15	.15	.15
SC	3300	.15	.15	.15
SC	3057	.15	.15	.15
SC	2930	.15	.15	.15
SC	2688	.15	.15	.15
SC	2449	.15	.15	.15
SC	2196	.15	.15	.15
SC	2171.*	.15	.15	.15
SC	2146.*	.15	.15	.15
SC	2121.*	.15	.15	.15
SC	2096.*	.15	.15	.15
SC	2071.*	.15	.15	.15
SC	2046.*	.15	.15	.15
SC	2021.*	.15	.15	.15
SC	1996.*	.15	.15	.15
SC	1971.*	.15	.15	.15
SC	1946	.15	.15	.15
SC	1941.04*	.15	.15	.15
SC	1936.09*	.15	.15	.15
SC	1931.14*	.15	.15	.15
SC	1926.19*	.15	.15	.15
SC	1921.24*	.15	.15	.15

SC	1916.29*	.15	.15	.15
SC	1911.34*	.15	.15	.15
SC	1906.39*	.15	.15	.15
SC	1901.44*	.15	.15	.15
SC	1896.49*	.15	.15	.15
SC	1891.54*	.15	.15	.15
SC	1886.59*	.15	.15	.15
SC	1881.64*	.15	.15	.15
SC	1876.69*	.15	.15	.15
SC	1871.74*	.15	.15	.15
SC	1866.79*	.15	.15	.15
SC	1861.83*	.15	.15	.15
SC	1856.88*	.15	.15	.15
SC	1851.93*	.15	.15	.15
SC	1846.98*	.15	.15	.15
SC	1842.03*	.15	.15	.15
SC	1837.08*	.15	.15	.15
SC	1832.13*	.15	.15	.15
SC	1827.18*	.15	.15	.15
SC	1822.23*	.15	.15	.15
SC	1817.28*	.15	.15	.15
SC	1812.33*	.15	.15	.15
SC	1807.38*	.15	.15	.15
SC	1802.43*	.15	.15	.15
SC	1797.48*	.15	.15	.15
SC	1792.53*	.15	.15	.15
SC	1787.58*	.15	.15	.15
SC	1782.63*	.15	.15	.15
SC	1777.67*	.15	.15	.15
SC	1772.72*	.15	.15	.15
SC	1767.77*	.15	.15	.15
SC	1762.82*	.15	.15	.15
SC	1757.87*	.15	.15	.15
SC	1752.92*	.15	.15	.15
SC	1747.97*	.15	.15	.15
SC	1743.02*	.15	.15	.15
SC	1738.07*	.15	.15	.15
SC	1733.12*	.15	.15	.15
SC	1728.17*	.15	.15	.15
SC	1723.22*	.15	.15	.15
SC	1718.27*	.15	.15	.15
SC	1713.32*	.15	.15	.15
SC	1708.37*	.15	.15	.15
SC	1703.42*	.15	.15	.15
SC	1698.46*	.15	.15	.15
SC	1693.51*	.15	.15	.15
SC	1688.56*	.15	.15	.15
SC	1683.61*	.15	.15	.15
SC	1678.66*	.15	.15	.15
SC	1673.71*	.15	.15	.15
SC	1668.76*	.15	.15	.15
SC	1663.81*	.15	.15	.15
SC	1658.86*	.15	.15	.15
SC	1653.91*	.15	.15	.15
SC	1648.96*	.15	.15	.15
SC	1644.01*	.15	.15	.15
SC	1639.06*	.15	.15	.15
SC	1634.11*	.15	.15	.15
SC	1629.16*	.15	.15	.15
SC	1624.21*	.15	.15	.15
SC	1619.25*	.15	.15	.15
SC	1614.30*	.15	.15	.15
SC	1609.35*	.15	.15	.15

SC	1604.40*	.15	.15	.15
SC	1599.45*	.15	.15	.15
SC	1594.50*	.15	.15	.15
SC	1589.55*	.15	.15	.15
SC	1584.60*	.15	.15	.15
SC	1579.65*	.15	.15	.15
SC	1574.70*	.15	.15	.15
SC	1569.75*	.15	.15	.15
SC	1564.80*	.15	.15	.15
SC	1559.85*	.15	.15	.15
SC	1554.90*	.15	.15	.15
SC	1549.95*	.15	.15	.15
SC	1545	.15	.15	.15
SC	1535.26*	.15	.15	.15
SC	1525.52*	.15	.15	.15
SC	1515.79*	.15	.15	.15
SC	1506.05*	.15	.15	.15
SC	1496.32*	.15	.15	.15
SC	1486.58*	.15	.15	.15
SC	1476.85*	.15	.15	.15
SC	1467.11*	.15	.15	.15
SC	1457.38*	.15	.15	.15
SC	1447.64*	.15	.15	.15
SC	1437.91*	.15	.15	.15
SC	1428.17*	.15	.15	.15
SC	1418.44*	.15	.15	.15
SC	1408.70*	.15	.15	.15
SC	1398.97*	.15	.15	.15
SC	1389.23*	.15	.15	.15
SC	1379.5*	.15	.15	.15
SC	1369.76*	.15	.15	.15
SC	1360.02*	.15	.15	.15
SC	1350.29*	.15	.15	.15
SC	1340.55*	.15	.15	.15
SC	1330.82*	.15	.15	.15
SC	1321.08*	.15	.15	.15
SC	1311.35*	.15	.15	.15
SC	1301.61*	.15	.15	.15
SC	1291.88*	.15	.15	.15
SC	1282.14*	.15	.15	.15
SC	1272.41*	.15	.15	.15
SC	1262.67*	.15	.15	.15
SC	1252.94*	.15	.15	.15
SC	1243.20*	.15	.15	.15
SC	1233.47*	.15	.15	.15
SC	1223.73*	.15	.15	.15
SC	1214	.15	.15	.15
SC	1211.05*	.15	.15	.15
SC	1208.11*	.15	.15	.15
SC	1205.17*	.15	.15	.15
SC	1202.23*	.15	.15	.15
SC	1199.29*	.15	.15	.15
SC	1196.35*	.15	.15	.15
SC	1193.41*	.15	.15	.15
SC	1190.47*	.15	.15	.15
SC	1187.52*	.15	.15	.15
SC	1184.58*	.15	.15	.15
SC	1181.64*	.15	.15	.15
SC	1178.70*	.15	.15	.15
SC	1175.76*	.15	.15	.15
SC	1172.82*	.15	.15	.15
SC	1169.88*	.15	.15	.15
SC	1166.94*	.15	.15	.15

SC	1164	.15	.15	.15

SUMMARY OF REACH LENGTHS

River: PALUXY

Reach	River Sta.	Left	Channel	Right
PALUXY RIVER	25092	2347	2347	2347
PALUXY RIVER	22745	1698	1698	1698
PALUXY RIVER	21047	1716	1716	1716
PALUXY RIVER	19331	2054	2054	2054
PALUXY RIVER	17277	1536	1536	1536
PALUXY RIVER	15741	1270	1270	1270
PALUXY RIVER	14471	145.86	145.86	145.86
PALUXY RIVER	14325.1*	145.86	145.86	145.86
PALUXY RIVER	14179.2*	145.86	145.86	145.86
PALUXY RIVER	14033.4*	145.86	145.86	145.86
PALUXY RIVER	13887.5*	145.86	145.86	145.86
PALUXY RIVER	13741.7*	145.86	145.86	145.86
PALUXY RIVER	13595.8*	145.86	145.86	145.86
PALUXY RIVER	13450	1321	1321	1321
PALUXY RIVER	12129	738	738	738
PALUXY RIVER	11391	24.84	24.84	24.84
PALUXY RIVER	11366.1*	24.84	24.84	24.84
PALUXY RIVER	11341.3*	24.84	24.84	24.84
PALUXY RIVER	11316.4*	24.84	24.84	24.84
PALUXY RIVER	11291.6*	24.84	24.84	24.84
PALUXY RIVER	11266.8*	24.84	24.84	24.84
PALUXY RIVER	11241.9*	24.84	24.84	24.84
PALUXY RIVER	11217.1*	24.84	24.84	24.84
PALUXY RIVER	11192.2*	24.84	24.84	24.84
PALUXY RIVER	11167.4*	24.84	24.84	24.84
PALUXY RIVER	11142.6*	24.84	24.84	24.84
PALUXY RIVER	11117.7*	24.84	24.84	24.84
PALUXY RIVER	11092.9*	24.84	24.84	24.84
PALUXY RIVER	11068.0*	24.84	24.84	24.84
PALUXY RIVER	11043.2*	24.84	24.84	24.84
PALUXY RIVER	11018.4*	24.84	24.84	24.84
PALUXY RIVER	10993.5*	24.84	24.84	24.84
PALUXY RIVER	10968.7*	24.84	24.84	24.84
PALUXY RIVER	10943.8*	24.84	24.84	24.84
PALUXY RIVER	10919.0*	24.84	24.84	24.84
PALUXY RIVER	10894.2*	24.84	24.84	24.84
PALUXY RIVER	10869.3*	24.84	24.84	24.84
PALUXY RIVER	10844.5*	24.84	24.84	24.84
PALUXY RIVER	10819.6*	24.84	24.84	24.84
PALUXY RIVER	10794.8*	24.84	24.84	24.84
PALUXY RIVER	10770.*	24.84	24.84	24.84
PALUXY RIVER	10745.1*	24.84	24.84	24.84
PALUXY RIVER	10720.3*	24.84	24.84	24.84
PALUXY RIVER	10695.4*	24.84	24.84	24.84
PALUXY RIVER	10670.6*	24.84	24.84	24.84
PALUXY RIVER	10645.8*	24.84	24.84	24.84
PALUXY RIVER	10620.9*	24.84	24.84	24.84
PALUXY RIVER	10596.1*	24.84	24.84	24.84
PALUXY RIVER	10571.2*	24.84	24.84	24.84
PALUXY RIVER	10546.4*	24.84	24.84	24.84
PALUXY RIVER	10521.6*	24.84	24.84	24.84
PALUXY RIVER	10496.7*	24.84	24.84	24.84

PALUXY RIVER	10471.9*	24.84	24.84	24.84
PALUXY RIVER	10447.0*	24.84	24.84	24.84
PALUXY RIVER	10422.2*	24.84	24.84	24.84
PALUXY RIVER	10397.4*	24.84	24.84	24.84
PALUXY RIVER	10372.5*	24.84	24.84	24.84
PALUXY RIVER	10347.7*	24.84	24.84	24.84
PALUXY RIVER	10322.8*	24.84	24.84	24.84
PALUXY RIVER	10298.0*	24.84	24.84	24.84
PALUXY RIVER	10273.2*	24.84	24.84	24.84
PALUXY RIVER	10248.3*	24.84	24.84	24.84
PALUXY RIVER	10223.5*	24.84	24.84	24.84
PALUXY RIVER	10198.6*	24.84	24.84	24.84
PALUXY RIVER	10173.8*	24.84	24.84	24.84
PALUXY RIVER	10149.*	24.84	24.84	24.84
PALUXY RIVER	10124.1*	24.84	24.84	24.84
PALUXY RIVER	10099.3*	24.84	24.84	24.84
PALUXY RIVER	10074.4*	24.84	24.84	24.84
PALUXY RIVER	10049.6*	24.84	24.84	24.84
PALUXY RIVER	10024.8*	24.84	24.84	24.84
PALUXY RIVER	9999.96*	24.84	24.84	24.84
PALUXY RIVER	9975.12*	24.84	24.84	24.84
PALUXY RIVER	9950.28*	24.84	24.84	24.84
PALUXY RIVER	9925.44*	24.84	24.84	24.84
PALUXY RIVER	9900.6*	24.84	24.84	24.84
PALUXY RIVER	9875.76*	24.84	24.84	24.84
PALUXY RIVER	9850.92*	24.84	24.84	24.84
PALUXY RIVER	9826.08*	24.84	24.84	24.84
PALUXY RIVER	9801.24*	24.84	24.84	24.84
PALUXY RIVER	9776.4*	24.84	24.84	24.84
PALUXY RIVER	9751.56*	24.84	24.84	24.84
PALUXY RIVER	9726.72*	24.84	24.84	24.84
PALUXY RIVER	9701.88*	24.84	24.84	24.84
PALUXY RIVER	9677.04*	24.84	24.84	24.84
PALUXY RIVER	9652.2*	24.84	24.84	24.84
PALUXY RIVER	9627.36*	24.84	24.84	24.84
PALUXY RIVER	9602.52*	24.84	24.84	24.84
PALUXY RIVER	9577.68*	24.84	24.84	24.84
PALUXY RIVER	9552.84*	24.84	24.84	24.84
PALUXY RIVER	9528.00*	24.84	24.84	24.84
PALUXY RIVER	9503.16*	24.84	24.84	24.84
PALUXY RIVER	9478.32*	24.84	24.84	24.84
PALUXY RIVER	9453.48*	24.84	24.84	24.84
PALUXY RIVER	9428.64*	24.84	24.84	24.84
PALUXY RIVER	9403.80*	24.84	24.84	24.84
PALUXY RIVER	9378.96*	24.84	24.84	24.84
PALUXY RIVER	9354.12*	24.84	24.84	24.84
PALUXY RIVER	9329.28*	24.84	24.84	24.84
PALUXY RIVER	9304.44*	24.84	24.84	24.84
PALUXY RIVER	9279.60*	24.84	24.84	24.84
PALUXY RIVER	9254.76*	24.84	24.84	24.84
PALUXY RIVER	9229.92*	24.84	24.84	24.84
PALUXY RIVER	9205.08*	24.84	24.84	24.84
PALUXY RIVER	9180.24*	24.84	24.84	24.84
PALUXY RIVER	9155.4*	24.84	24.84	24.84
PALUXY RIVER	9130.56*	24.84	24.84	24.84
PALUXY RIVER	9105.72*	24.84	24.84	24.84
PALUXY RIVER	9080.88*	24.84	24.84	24.84
PALUXY RIVER	9056.04*	24.84	24.84	24.84
PALUXY RIVER	9031.2*	24.84	24.84	24.84
PALUXY RIVER	9006.35*	24.84	24.84	24.84
PALUXY RIVER	8981.52*	24.84	24.84	24.84
PALUXY RIVER	8956.68*	24.84	24.84	24.84
PALUXY RIVER	8931.84*	24.84	24.84	24.84

PALUXY RIVER	8907	45.86	45.86	45.86
PALUXY RIVER	8861.14*	45.86	45.86	45.86
PALUXY RIVER	8815.28*	45.86	45.86	45.86
PALUXY RIVER	8769.42*	45.86	45.86	45.86
PALUXY RIVER	8723.57*	45.86	45.86	45.86
PALUXY RIVER	8677.71*	45.86	45.86	45.86
PALUXY RIVER	8631.85*	45.86	45.86	45.86
PALUXY RIVER	8586.*	45.86	45.86	45.86
PALUXY RIVER	8540.14*	45.86	45.86	45.86
PALUXY RIVER	8494.28*	45.86	45.86	45.86
PALUXY RIVER	8448.42*	45.86	45.86	45.86
PALUXY RIVER	8402.57*	45.86	45.86	45.86
PALUXY RIVER	8356.71*	45.86	45.86	45.86
PALUXY RIVER	8310.85*	45.86	45.86	45.86
PALUXY RIVER	8265.*	45.86	45.86	45.86
PALUXY RIVER	8219.14*	45.86	45.86	45.86
PALUXY RIVER	8173.28*	45.86	45.86	45.86
PALUXY RIVER	8127.42*	45.86	45.86	45.86
PALUXY RIVER	8081.57*	45.86	45.86	45.86
PALUXY RIVER	8035.71*	45.86	45.86	45.86
PALUXY RIVER	7989.85*	45.86	45.86	45.86
PALUXY RIVER	7944	57.54	57.54	57.54
PALUXY RIVER	7886.4*	57.54	57.54	57.54
PALUXY RIVER	7828.8*	57.54	57.54	57.54
PALUXY RIVER	7771.2*	57.54	57.54	57.54
PALUXY RIVER	7713.6*	57.54	57.54	57.54
PALUXY RIVER	7656.*	57.54	57.54	57.54
PALUXY RIVER	7598.4*	57.54	57.54	57.54
PALUXY RIVER	7540.8*	57.54	57.54	57.54
PALUXY RIVER	7483.2*	57.54	57.54	57.54
PALUXY RIVER	7425.6*	57.54	57.54	57.54
PALUXY RIVER	7368.*	57.54	57.54	57.54
PALUXY RIVER	7310.4*	57.54	57.54	57.54
PALUXY RIVER	7252.8*	57.54	57.54	57.54
PALUXY RIVER	7195.2*	57.54	57.54	57.54
PALUXY RIVER	7137.6*	57.54	57.54	57.54
PALUXY RIVER	7080	14.97	14.97	14.97
PALUXY RIVER	7065.01*	14.97	14.97	14.97
PALUXY RIVER	7050.03*	14.97	14.97	14.97
PALUXY RIVER	7035.04*	14.97	14.97	14.97
PALUXY RIVER	7020.06*	14.97	14.97	14.97
PALUXY RIVER	7005.07*	14.97	14.97	14.97
PALUXY RIVER	6990.09*	14.97	14.97	14.97
PALUXY RIVER	6975.10*	14.97	14.97	14.97
PALUXY RIVER	6960.12*	14.97	14.97	14.97
PALUXY RIVER	6945.13*	14.97	14.97	14.97
PALUXY RIVER	6930.15*	14.97	14.97	14.97
PALUXY RIVER	6915.16*	14.97	14.97	14.97
PALUXY RIVER	6900.18*	14.97	14.97	14.97
PALUXY RIVER	6885.19*	14.97	14.97	14.97
PALUXY RIVER	6870.21*	14.97	14.97	14.97
PALUXY RIVER	6855.22*	14.97	14.97	14.97
PALUXY RIVER	6840.24*	14.97	14.97	14.97
PALUXY RIVER	6825.25*	14.97	14.97	14.97
PALUXY RIVER	6810.27*	14.97	14.97	14.97
PALUXY RIVER	6795.28*	14.97	14.97	14.97
PALUXY RIVER	6780.30*	14.97	14.97	14.97
PALUXY RIVER	6765.31*	14.97	14.97	14.97
PALUXY RIVER	6750.33*	14.97	14.97	14.97
PALUXY RIVER	6735.34*	14.97	14.97	14.97
PALUXY RIVER	6720.36*	14.97	14.97	14.97
PALUXY RIVER	6705.37*	14.97	14.97	14.97
PALUXY RIVER	6690.39*	14.97	14.97	14.97

PALUXY RIVER	6675.40*	14.97	14.97	14.97
PALUXY RIVER	6660.42*	14.97	14.97	14.97
PALUXY RIVER	6645.43*	14.97	14.97	14.97
PALUXY RIVER	6630.45*	14.97	14.97	14.97
PALUXY RIVER	6615.47*	14.97	14.97	14.97
PALUXY RIVER	6600.48*	14.97	14.97	14.97
PALUXY RIVER	6585.5*	14.97	14.97	14.97
PALUXY RIVER	6570.51*	14.97	14.97	14.97
PALUXY RIVER	6555.53*	14.97	14.97	14.97
PALUXY RIVER	6540.54*	14.97	14.97	14.97
PALUXY RIVER	6525.56*	14.97	14.97	14.97
PALUXY RIVER	6510.57*	14.97	14.97	14.97
PALUXY RIVER	6495.59*	14.97	14.97	14.97
PALUXY RIVER	6480.60*	14.97	14.97	14.97
PALUXY RIVER	6465.62*	14.97	14.97	14.97
PALUXY RIVER	6450.63*	14.97	14.97	14.97
PALUXY RIVER	6435.65*	14.97	14.97	14.97
PALUXY RIVER	6420.66*	14.97	14.97	14.97
PALUXY RIVER	6405.68*	14.97	14.97	14.97
PALUXY RIVER	6390.69*	14.97	14.97	14.97
PALUXY RIVER	6375.71*	14.97	14.97	14.97
PALUXY RIVER	6360.72*	14.97	14.97	14.97
PALUXY RIVER	6345.74*	14.97	14.97	14.97
PALUXY RIVER	6330.75*	14.97	14.97	14.97
PALUXY RIVER	6315.77*	14.97	14.97	14.97
PALUXY RIVER	6300.78*	14.97	14.97	14.97
PALUXY RIVER	6285.80*	14.97	14.97	14.97
PALUXY RIVER	6270.81*	14.97	14.97	14.97
PALUXY RIVER	6255.83*	14.97	14.97	14.97
PALUXY RIVER	6240.84*	14.97	14.97	14.97
PALUXY RIVER	6225.86*	14.97	14.97	14.97
PALUXY RIVER	6210.87*	14.97	14.97	14.97
PALUXY RIVER	6195.89*	14.97	14.97	14.97
PALUXY RIVER	6180.91*	14.97	14.97	14.97
PALUXY RIVER	6165.92*	14.97	14.97	14.97
PALUXY RIVER	6150.94*	14.97	14.97	14.97
PALUXY RIVER	6135.95*	14.97	14.97	14.97
PALUXY RIVER	6120.97*	14.97	14.97	14.97
PALUXY RIVER	6105.98*	14.97	14.97	14.97
PALUXY RIVER	6091.00*	14.97	14.97	14.97
PALUXY RIVER	6076.01*	14.97	14.97	14.97
PALUXY RIVER	6061.03*	14.97	14.97	14.97
PALUXY RIVER	6046.04*	14.97	14.97	14.97
PALUXY RIVER	6031.06*	14.97	14.97	14.97
PALUXY RIVER	6016.07*	14.97	14.97	14.97
PALUXY RIVER	6001.09*	14.97	14.97	14.97
PALUXY RIVER	5986.10*	14.97	14.97	14.97
PALUXY RIVER	5971.12*	14.97	14.97	14.97
PALUXY RIVER	5956.13*	14.97	14.97	14.97
PALUXY RIVER	5941.15*	14.97	14.97	14.97
PALUXY RIVER	5926.16*	14.97	14.97	14.97
PALUXY RIVER	5911.18*	14.97	14.97	14.97
PALUXY RIVER	5896.19*	14.97	14.97	14.97
PALUXY RIVER	5881.21*	14.97	14.97	14.97
PALUXY RIVER	5866.22*	14.97	14.97	14.97
PALUXY RIVER	5851.24*	14.97	14.97	14.97
PALUXY RIVER	5836.25*	14.97	14.97	14.97
PALUXY RIVER	5821.27*	14.97	14.97	14.97
PALUXY RIVER	5806.29*	14.97	14.97	14.97
PALUXY RIVER	5791.30*	14.97	14.97	14.97
PALUXY RIVER	5776.32*	14.97	14.97	14.97
PALUXY RIVER	5761.33*	14.97	14.97	14.97
PALUXY RIVER	5746.35*	14.97	14.97	14.97

PALUXY RIVER	5731.36*	14.97	14.97	14.97
PALUXY RIVER	5716.38*	14.97	14.97	14.97
PALUXY RIVER	5701.39*	14.97	14.97	14.97
PALUXY RIVER	5686.41*	14.97	14.97	14.97
PALUXY RIVER	5671.42*	14.97	14.97	14.97
PALUXY RIVER	5656.44*	14.97	14.97	14.97
PALUXY RIVER	5641.45*	14.97	14.97	14.97
PALUXY RIVER	5626.47*	14.97	14.97	14.97
PALUXY RIVER	5611.48*	14.97	14.97	14.97
PALUXY RIVER	5596.50*	14.97	14.97	14.97
PALUXY RIVER	5581.51*	14.97	14.97	14.97
PALUXY RIVER	5566.53*	14.97	14.97	14.97
PALUXY RIVER	5551.54*	14.97	14.97	14.97
PALUXY RIVER	5536.56*	14.97	14.97	14.97
PALUXY RIVER	5521.57*	14.97	14.97	14.97
PALUXY RIVER	5506.59*	14.97	14.97	14.97
PALUXY RIVER	5491.60*	14.97	14.97	14.97
PALUXY RIVER	5476.62*	14.97	14.97	14.97
PALUXY RIVER	5461.63*	14.97	14.97	14.97
PALUXY RIVER	5446.65*	14.97	14.97	14.97
PALUXY RIVER	5431.66*	14.97	14.97	14.97
PALUXY RIVER	5416.68*	14.97	14.97	14.97
PALUXY RIVER	5401.69*	14.97	14.97	14.97
PALUXY RIVER	5386.71*	14.97	14.97	14.97
PALUXY RIVER	5371.72*	14.97	14.97	14.97
PALUXY RIVER	5356.74*	14.97	14.97	14.97
PALUXY RIVER	5341.76*	14.97	14.97	14.97
PALUXY RIVER	5326.77*	14.97	14.97	14.97
PALUXY RIVER	5311.79*	14.97	14.97	14.97
PALUXY RIVER	5296.80*	14.97	14.97	14.97
PALUXY RIVER	5281.82*	14.97	14.97	14.97
PALUXY RIVER	5266.83*	14.97	14.97	14.97
PALUXY RIVER	5251.85*	14.97	14.97	14.97
PALUXY RIVER	5236.86*	14.97	14.97	14.97
PALUXY RIVER	5221.88*	14.97	14.97	14.97
PALUXY RIVER	5206.89*	14.97	14.97	14.97
PALUXY RIVER	5191.91*	14.97	14.97	14.97
PALUXY RIVER	5176.92*	14.97	14.97	14.97
PALUXY RIVER	5161.94*	14.97	14.97	14.97
PALUXY RIVER	5146.95*	14.97	14.97	14.97
PALUXY RIVER	5131.97*	14.97	14.97	14.97
PALUXY RIVER	5116.98*	14.97	14.97	14.97
PALUXY RIVER	5102	5	5	5
LOWER PALUXY	3838	4.99	4.99	4.99
LOWER PALUXY	3833.02*	4.99	4.99	4.99
LOWER PALUXY	3828.03*	4.99	4.99	4.99
LOWER PALUXY	3823.05*	4.99	4.99	4.99
LOWER PALUXY	3818.07*	4.99	4.99	4.99
LOWER PALUXY	3813.09*	4.99	4.99	4.99
LOWER PALUXY	3808.11*	4.99	4.99	4.99
LOWER PALUXY	3803.13*	4.99	4.99	4.99
LOWER PALUXY	3798.15*	4.99	4.99	4.99
LOWER PALUXY	3793.17*	4.99	4.99	4.99
LOWER PALUXY	3788.19*	4.99	4.99	4.99
LOWER PALUXY	3783.21*	4.99	4.99	4.99
LOWER PALUXY	3778.23*	4.99	4.99	4.99
LOWER PALUXY	3773.25*	4.99	4.99	4.99
LOWER PALUXY	3768.27*	4.99	4.99	4.99
LOWER PALUXY	3763.29*	4.99	4.99	4.99
LOWER PALUXY	3758.31*	4.99	4.99	4.99
LOWER PALUXY	3753.33*	4.99	4.99	4.99
LOWER PALUXY	3748.35*	4.99	4.99	4.99
LOWER PALUXY	3743.37*	4.99	4.99	4.99

LOWER PALUXY	3738.38*	4.99	4.99	4.99
LOWER PALUXY	3733.40*	4.99	4.99	4.99
LOWER PALUXY	3728.42*	4.99	4.99	4.99
LOWER PALUXY	3723.44*	4.99	4.99	4.99
LOWER PALUXY	3718.46*	4.99	4.99	4.99
LOWER PALUXY	3713.48*	4.99	4.99	4.99
LOWER PALUXY	3708.50*	4.99	4.99	4.99
LOWER PALUXY	3703.52*	4.99	4.99	4.99
LOWER PALUXY	3698.54*	4.99	4.99	4.99
LOWER PALUXY	3693.56*	4.99	4.99	4.99
LOWER PALUXY	3688.58*	4.99	4.99	4.99
LOWER PALUXY	3683.60*	4.99	4.99	4.99
LOWER PALUXY	3678.62*	4.99	4.99	4.99
LOWER PALUXY	3673.64*	4.99	4.99	4.99
LOWER PALUXY	3668.66*	4.99	4.99	4.99
LOWER PALUXY	3663.68*	4.99	4.99	4.99
LOWER PALUXY	3658.7*	4.99	4.99	4.99
LOWER PALUXY	3653.72*	4.99	4.99	4.99
LOWER PALUXY	3648.73*	4.99	4.99	4.99
LOWER PALUXY	3643.75*	4.99	4.99	4.99
LOWER PALUXY	3638.77*	4.99	4.99	4.99
LOWER PALUXY	3633.79*	4.99	4.99	4.99
LOWER PALUXY	3628.81*	4.99	4.99	4.99
LOWER PALUXY	3623.83*	4.99	4.99	4.99
LOWER PALUXY	3618.85*	4.99	4.99	4.99
LOWER PALUXY	3613.87*	4.99	4.99	4.99
LOWER PALUXY	3608.89*	4.99	4.99	4.99
LOWER PALUXY	3603.91*	4.99	4.99	4.99
LOWER PALUXY	3598.93*	4.99	4.99	4.99
LOWER PALUXY	3593.95*	4.99	4.99	4.99
LOWER PALUXY	3588.97*	4.99	4.99	4.99
LOWER PALUXY	3583.99*	4.99	4.99	4.99
LOWER PALUXY	3579.01*	4.99	4.99	4.99
LOWER PALUXY	3574.03*	4.99	4.99	4.99
LOWER PALUXY	3569.05*	4.99	4.99	4.99
LOWER PALUXY	3564.07*	4.99	4.99	4.99
LOWER PALUXY	3559.08*	4.99	4.99	4.99
LOWER PALUXY	3554.10*	4.99	4.99	4.99
LOWER PALUXY	3549.12*	4.99	4.99	4.99
LOWER PALUXY	3544.14*	4.99	4.99	4.99
LOWER PALUXY	3539.16*	4.99	4.99	4.99
LOWER PALUXY	3534.18*	4.99	4.99	4.99
LOWER PALUXY	3529.20*	4.99	4.99	4.99
LOWER PALUXY	3524.22*	4.99	4.99	4.99
LOWER PALUXY	3519.24*	4.99	4.99	4.99
LOWER PALUXY	3514.26*	4.99	4.99	4.99
LOWER PALUXY	3509.28*	4.99	4.99	4.99
LOWER PALUXY	3504.30*	4.99	4.99	4.99
LOWER PALUXY	3499.32*	4.99	4.99	4.99
LOWER PALUXY	3494.34*	4.99	4.99	4.99
LOWER PALUXY	3489.36*	4.99	4.99	4.99
LOWER PALUXY	3484.38*	4.99	4.99	4.99
LOWER PALUXY	3479.40*	4.99	4.99	4.99
LOWER PALUXY	3474.42*	4.99	4.99	4.99
LOWER PALUXY	3469.44*	4.99	4.99	4.99
LOWER PALUXY	3464.45*	4.99	4.99	4.99
LOWER PALUXY	3459.47*	4.99	4.99	4.99
LOWER PALUXY	3454.49*	4.99	4.99	4.99
LOWER PALUXY	3449.51*	4.99	4.99	4.99
LOWER PALUXY	3444.53*	4.99	4.99	4.99
LOWER PALUXY	3439.55*	4.99	4.99	4.99
LOWER PALUXY	3434.57*	4.99	4.99	4.99
LOWER PALUXY	3429.59*	4.99	4.99	4.99

LOWER PALUXY	3424.61*	4.99	4.99	4.99
LOWER PALUXY	3419.63*	4.99	4.99	4.99
LOWER PALUXY	3414.65*	4.99	4.99	4.99
LOWER PALUXY	3409.67*	4.99	4.99	4.99
LOWER PALUXY	3404.69*	4.99	4.99	4.99
LOWER PALUXY	3399.71*	4.99	4.99	4.99
LOWER PALUXY	3394.73*	4.99	4.99	4.99
LOWER PALUXY	3389.75*	4.99	4.99	4.99
LOWER PALUXY	3384.77*	4.99	4.99	4.99
LOWER PALUXY	3379.79*	4.99	4.99	4.99
LOWER PALUXY	3374.81*	4.99	4.99	4.99
LOWER PALUXY	3369.82*	4.99	4.99	4.99
LOWER PALUXY	3364.84*	4.99	4.99	4.99
LOWER PALUXY	3359.86*	4.99	4.99	4.99
LOWER PALUXY	3354.88*	4.99	4.99	4.99
LOWER PALUXY	3349.90*	4.99	4.99	4.99
LOWER PALUXY	3344.92*	4.99	4.99	4.99
LOWER PALUXY	3339.94*	4.99	4.99	4.99
LOWER PALUXY	3334.96*	4.99	4.99	4.99
LOWER PALUXY	3329.98*	4.99	4.99	4.99
LOWER PALUXY	3325.00*	4.99	4.99	4.99
LOWER PALUXY	3320.02*	4.99	4.99	4.99
LOWER PALUXY	3315.04*	4.99	4.99	4.99
LOWER PALUXY	3310.06*	4.99	4.99	4.99
LOWER PALUXY	3305.08*	4.99	4.99	4.99
LOWER PALUXY	3300.10*	4.99	4.99	4.99
LOWER PALUXY	3295.12*	4.99	4.99	4.99
LOWER PALUXY	3290.14*	4.99	4.99	4.99
LOWER PALUXY	3285.16*	4.99	4.99	4.99
LOWER PALUXY	3280.17*	4.99	4.99	4.99
LOWER PALUXY	3275.19*	4.99	4.99	4.99
LOWER PALUXY	3270.21*	4.99	4.99	4.99
LOWER PALUXY	3265.23*	4.99	4.99	4.99
LOWER PALUXY	3260.25*	4.99	4.99	4.99
LOWER PALUXY	3255.27*	4.99	4.99	4.99
LOWER PALUXY	3250.29*	4.99	4.99	4.99
LOWER PALUXY	3245.31*	4.99	4.99	4.99
LOWER PALUXY	3240.33*	4.99	4.99	4.99
LOWER PALUXY	3235.35*	4.99	4.99	4.99
LOWER PALUXY	3230.37*	4.99	4.99	4.99
LOWER PALUXY	3225.39*	4.99	4.99	4.99
LOWER PALUXY	3220.41*	4.99	4.99	4.99
LOWER PALUXY	3215.43*	4.99	4.99	4.99
LOWER PALUXY	3210.45*	4.99	4.99	4.99
LOWER PALUXY	3205.47*	4.99	4.99	4.99
LOWER PALUXY	3200.49*	4.99	4.99	4.99
LOWER PALUXY	3195.51*	4.99	4.99	4.99
LOWER PALUXY	3190.53*	4.99	4.99	4.99
LOWER PALUXY	3185.54*	4.99	4.99	4.99
LOWER PALUXY	3180.56*	4.99	4.99	4.99
LOWER PALUXY	3175.58*	4.99	4.99	4.99
LOWER PALUXY	3170.60*	4.99	4.99	4.99
LOWER PALUXY	3165.62*	4.99	4.99	4.99
LOWER PALUXY	3160.64*	4.99	4.99	4.99
LOWER PALUXY	3155.66*	4.99	4.99	4.99
LOWER PALUXY	3150.68*	4.99	4.99	4.99
LOWER PALUXY	3145.70*	4.99	4.99	4.99
LOWER PALUXY	3140.72*	4.99	4.99	4.99
LOWER PALUXY	3135.74*	4.99	4.99	4.99
LOWER PALUXY	3130.76*	4.99	4.99	4.99
LOWER PALUXY	3125.78*	4.99	4.99	4.99
LOWER PALUXY	3120.80*	4.99	4.99	4.99
LOWER PALUXY	3115.82*	4.99	4.99	4.99

LOWER PALUXY	3110.84*	4.99	4.99	4.99
LOWER PALUXY	3105.86*	4.99	4.99	4.99
LOWER PALUXY	3100.88*	4.99	4.99	4.99
LOWER PALUXY	3095.9*	4.99	4.99	4.99
LOWER PALUXY	3090.91*	4.99	4.99	4.99
LOWER PALUXY	3085.93*	4.99	4.99	4.99
LOWER PALUXY	3080.95*	4.99	4.99	4.99
LOWER PALUXY	3075.97*	4.99	4.99	4.99
LOWER PALUXY	3070.99*	4.99	4.99	4.99
LOWER PALUXY	3066.01*	4.99	4.99	4.99
LOWER PALUXY	3061.03*	4.99	4.99	4.99
LOWER PALUXY	3056.05*	4.99	4.99	4.99
LOWER PALUXY	3051.07*	4.99	4.99	4.99
LOWER PALUXY	3046.09*	4.99	4.99	4.99
LOWER PALUXY	3041.11*	4.99	4.99	4.99
LOWER PALUXY	3036.13*	4.99	4.99	4.99
LOWER PALUXY	3031.15*	4.99	4.99	4.99
LOWER PALUXY	3026.17*	4.99	4.99	4.99
LOWER PALUXY	3021.19*	4.99	4.99	4.99
LOWER PALUXY	3016.21*	4.99	4.99	4.99
LOWER PALUXY	3011.23*	4.99	4.99	4.99
LOWER PALUXY	3006.25*	4.99	4.99	4.99
LOWER PALUXY	3001.27*	4.99	4.99	4.99
LOWER PALUXY	2996.28*	4.99	4.99	4.99
LOWER PALUXY	2991.30*	4.99	4.99	4.99
LOWER PALUXY	2986.32*	4.99	4.99	4.99
LOWER PALUXY	2981.34*	4.99	4.99	4.99
LOWER PALUXY	2976.36*	4.99	4.99	4.99
LOWER PALUXY	2971.38*	4.99	4.99	4.99
LOWER PALUXY	2966.40*	4.99	4.99	4.99
LOWER PALUXY	2961.42*	4.99	4.99	4.99
LOWER PALUXY	2956.44*	4.99	4.99	4.99
LOWER PALUXY	2951.46*	4.99	4.99	4.99
LOWER PALUXY	2946.48*	4.99	4.99	4.99
LOWER PALUXY	2941.50*	4.99	4.99	4.99
LOWER PALUXY	2936.52*	4.99	4.99	4.99
LOWER PALUXY	2931.54*	4.99	4.99	4.99
LOWER PALUXY	2926.56*	4.99	4.99	4.99
LOWER PALUXY	2921.58*	4.99	4.99	4.99
LOWER PALUXY	2916.6*	4.99	4.99	4.99
LOWER PALUXY	2911.62*	4.99	4.99	4.99
LOWER PALUXY	2906.63*	4.99	4.99	4.99
LOWER PALUXY	2901.65*	4.99	4.99	4.99
LOWER PALUXY	2896.67*	4.99	4.99	4.99
LOWER PALUXY	2891.69*	4.99	4.99	4.99
LOWER PALUXY	2886.71*	4.99	4.99	4.99
LOWER PALUXY	2881.73*	4.99	4.99	4.99
LOWER PALUXY	2876.75*	4.99	4.99	4.99
LOWER PALUXY	2871.77*	4.99	4.99	4.99
LOWER PALUXY	2866.79*	4.99	4.99	4.99
LOWER PALUXY	2861.81*	4.99	4.99	4.99
LOWER PALUXY	2856.83*	4.99	4.99	4.99
LOWER PALUXY	2851.85*	4.99	4.99	4.99
LOWER PALUXY	2846.87*	4.99	4.99	4.99
LOWER PALUXY	2841.89*	4.99	4.99	4.99
LOWER PALUXY	2836.91*	4.99	4.99	4.99
LOWER PALUXY	2831.93*	4.99	4.99	4.99
LOWER PALUXY	2826.95*	4.99	4.99	4.99
LOWER PALUXY	2821.97*	4.99	4.99	4.99
LOWER PALUXY	2816.99*	4.99	4.99	4.99
LOWER PALUXY	2812.00*	4.99	4.99	4.99
LOWER PALUXY	2807.02*	4.99	4.99	4.99
LOWER PALUXY	2802.04*	4.99	4.99	4.99

LOWER PALUXY	2797.06*	4.99	4.99	4.99
LOWER PALUXY	2792.08*	4.99	4.99	4.99
LOWER PALUXY	2787.10*	4.99	4.99	4.99
LOWER PALUXY	2782.12*	4.99	4.99	4.99
LOWER PALUXY	2777.14*	4.99	4.99	4.99
LOWER PALUXY	2772.16*	4.99	4.99	4.99
LOWER PALUXY	2767.18*	4.99	4.99	4.99
LOWER PALUXY	2762.20*	4.99	4.99	4.99
LOWER PALUXY	2757.22*	4.99	4.99	4.99
LOWER PALUXY	2752.24*	4.99	4.99	4.99
LOWER PALUXY	2747.26*	4.99	4.99	4.99
LOWER PALUXY	2742.28*	4.99	4.99	4.99
LOWER PALUXY	2737.30*	4.99	4.99	4.99
LOWER PALUXY	2732.32*	4.99	4.99	4.99
LOWER PALUXY	2727.34*	4.99	4.99	4.99
LOWER PALUXY	2722.36*	4.99	4.99	4.99
LOWER PALUXY	2717.37*	4.99	4.99	4.99
LOWER PALUXY	2712.39*	4.99	4.99	4.99
LOWER PALUXY	2707.41*	4.99	4.99	4.99
LOWER PALUXY	2702.43*	4.99	4.99	4.99
LOWER PALUXY	2697.45*	4.99	4.99	4.99
LOWER PALUXY	2692.47*	4.99	4.99	4.99
LOWER PALUXY	2687.49*	4.99	4.99	4.99
LOWER PALUXY	2682.51*	4.99	4.99	4.99
LOWER PALUXY	2677.53*	4.99	4.99	4.99
LOWER PALUXY	2672.55*	4.99	4.99	4.99
LOWER PALUXY	2667.57*	4.99	4.99	4.99
LOWER PALUXY	2662.59*	4.99	4.99	4.99
LOWER PALUXY	2657.61*	4.99	4.99	4.99
LOWER PALUXY	2652.63*	4.99	4.99	4.99
LOWER PALUXY	2647.65*	4.99	4.99	4.99
LOWER PALUXY	2642.67*	4.99	4.99	4.99
LOWER PALUXY	2637.69*	4.99	4.99	4.99
LOWER PALUXY	2632.71*	4.99	4.99	4.99
LOWER PALUXY	2627.72*	4.99	4.99	4.99
LOWER PALUXY	2622.74*	4.99	4.99	4.99
LOWER PALUXY	2617.76*	4.99	4.99	4.99
LOWER PALUXY	2612.78*	4.99	4.99	4.99
LOWER PALUXY	2607.80*	4.99	4.99	4.99
LOWER PALUXY	2602.82*	4.99	4.99	4.99
LOWER PALUXY	2597.84*	4.99	4.99	4.99
LOWER PALUXY	2592.86*	4.99	4.99	4.99
LOWER PALUXY	2587.88*	4.99	4.99	4.99
LOWER PALUXY	2582.90*	4.99	4.99	4.99
LOWER PALUXY	2577.92*	4.99	4.99	4.99
LOWER PALUXY	2572.94*	4.99	4.99	4.99
LOWER PALUXY	2567.96*	4.99	4.99	4.99
LOWER PALUXY	2562.98*	4.99	4.99	4.99
LOWER PALUXY	2558	1638.36	1638.36	1638.36
LOWER PALUXY	924	.5	.5	.5
LOWER PALUXY	923.5*	.5	.5	.5
LOWER PALUXY	923.*	.5	.5	.5
LOWER PALUXY	922.5*	.5	.5	.5
LOWER PALUXY	922.*	.5	.5	.5
LOWER PALUXY	921.5*	.5	.5	.5
LOWER PALUXY	921.*	.5	.5	.5
LOWER PALUXY	920.5*	.5	.5	.5
LOWER PALUXY	920.*	.5	.5	.5
LOWER PALUXY	919.5*	.5	.5	.5
LOWER PALUXY	919.*	.5	.5	.5
LOWER PALUXY	918.5*	.5	.5	.5
LOWER PALUXY	918.*	.5	.5	.5
LOWER PALUXY	917.5*	.5	.5	.5

LOWER PALUXY	917.*	.5	.5	.5
LOWER PALUXY	916.5*	.5	.5	.5
LOWER PALUXY	916.*	.5	.5	.5
LOWER PALUXY	915.5*	.5	.5	.5
LOWER PALUXY	915.*	.5	.5	.5
LOWER PALUXY	914.5*	.5	.5	.5
LOWER PALUXY	914.*	.5	.5	.5
LOWER PALUXY	913.5*	.5	.5	.5
LOWER PALUXY	913.*	.5	.5	.5
LOWER PALUXY	912.5*	.5	.5	.5
LOWER PALUXY	912.*	.5	.5	.5
LOWER PALUXY	911.5*	.5	.5	.5
LOWER PALUXY	911.*	.5	.5	.5
LOWER PALUXY	910.5*	.5	.5	.5
LOWER PALUXY	910.*	.5	.5	.5
LOWER PALUXY	909.5*	.5	.5	.5
LOWER PALUXY	909.*	.5	.5	.5
LOWER PALUXY	908.5*	.5	.5	.5
LOWER PALUXY	908.*	.5	.5	.5
LOWER PALUXY	907.5*	.5	.5	.5
LOWER PALUXY	907.*	.5	.5	.5
LOWER PALUXY	906.5*	.5	.5	.5
LOWER PALUXY	906.*	.5	.5	.5
LOWER PALUXY	905.5*	.5	.5	.5
LOWER PALUXY	905.*	.5	.5	.5
LOWER PALUXY	904.5*	.5	.5	.5
LOWER PALUXY	904.*	.5	.5	.5
LOWER PALUXY	903.5*	.5	.5	.5
LOWER PALUXY	903.*	.5	.5	.5
LOWER PALUXY	902.5*	.5	.5	.5
LOWER PALUXY	902.*	.5	.5	.5
LOWER PALUXY	901.5*	.5	.5	.5
LOWER PALUXY	901.*	.5	.5	.5
LOWER PALUXY	900.5*	.5	.5	.5
LOWER PALUXY	900.*	.5	.5	.5
LOWER PALUXY	899.5*	.5	.5	.5
LOWER PALUXY	899.*	.5	.5	.5
LOWER PALUXY	898.5*	.5	.5	.5
LOWER PALUXY	898.*	.5	.5	.5
LOWER PALUXY	897.5*	.5	.5	.5
LOWER PALUXY	897.*	.5	.5	.5
LOWER PALUXY	896.5*	.5	.5	.5
LOWER PALUXY	896.*	.5	.5	.5
LOWER PALUXY	895.5*	.5	.5	.5
LOWER PALUXY	895.*	.5	.5	.5
LOWER PALUXY	894.5*	.5	.5	.5
LOWER PALUXY	894.*	.5	.5	.5
LOWER PALUXY	893.5*	.5	.5	.5
LOWER PALUXY	893.*	.5	.5	.5
LOWER PALUXY	892.5*	.5	.5	.5
LOWER PALUXY	892.*	.5	.5	.5
LOWER PALUXY	891.5*	.5	.5	.5
LOWER PALUXY	891.*	.5	.5	.5
LOWER PALUXY	890.5*	.5	.5	.5
LOWER PALUXY	890.*	.5	.5	.5
LOWER PALUXY	889.5*	.5	.5	.5
LOWER PALUXY	889.*	.5	.5	.5
LOWER PALUXY	888.5*	.5	.5	.5
LOWER PALUXY	888.*	.5	.5	.5
LOWER PALUXY	887.5*	.5	.5	.5
LOWER PALUXY	887.*	.5	.5	.5
LOWER PALUXY	886.5*	.5	.5	.5
LOWER PALUXY	886.*	.5	.5	.5

LOWER PALUXY	885.5*	.5	.5	.5
LOWER PALUXY	885.*	.5	.5	.5
LOWER PALUXY	884.5*	.5	.5	.5
LOWER PALUXY	884.*	.5	.5	.5
LOWER PALUXY	883.5*	.5	.5	.5
LOWER PALUXY	883.*	.5	.5	.5
LOWER PALUXY	882.5*	.5	.5	.5
LOWER PALUXY	882.*	.5	.5	.5
LOWER PALUXY	881.5*	.5	.5	.5
LOWER PALUXY	881.*	.5	.5	.5
LOWER PALUXY	880.5*	.5	.5	.5
LOWER PALUXY	880.*	.5	.5	.5
LOWER PALUXY	879.5*	.5	.5	.5
LOWER PALUXY	879.*	.5	.5	.5
LOWER PALUXY	878.5*	.5	.5	.5
LOWER PALUXY	878.*	.5	.5	.5
LOWER PALUXY	877.5*	.5	.5	.5
LOWER PALUXY	877.*	.5	.5	.5
LOWER PALUXY	876.5*	.5	.5	.5
LOWER PALUXY	876.*	.5	.5	.5
LOWER PALUXY	875.5*	.5	.5	.5
LOWER PALUXY	875.*	.5	.5	.5
LOWER PALUXY	874.5*	.5	.5	.5
LOWER PALUXY	874	5	5	5

River: SQUAW CREEK

Reach	River Sta.	Left	Channel	Right
SC	24757	1	1	1
SC	24756.*	1	1	1
SC	24755.*	1	1	1
SC	24754.*	1	1	1
SC	24753.*	1	1	1
SC	24752.*	1	1	1
SC	24751.*	1	1	1
SC	24750.*	1	1	1
SC	24749.*	1	1	1
SC	24748.*	1	1	1
SC	24747	24.5	24.5	24.5
SC	24722.5*	24.5	24.5	24.5
SC	24698.*	24.5	24.5	24.5
SC	24673.5*	24.5	24.5	24.5
SC	24649.*	24.5	24.5	24.5
SC	24624.5*	24.5	24.5	24.5
SC	24600	23.77	23.77	23.77
SC	24576.2*	23.77	23.77	23.77
SC	24552.4*	23.77	23.77	23.77
SC	24528.6*	23.77	23.77	23.77
SC	24504.9*	23.77	23.77	23.77
SC	24481.1*	23.77	23.77	23.77
SC	24457.3*	23.77	23.77	23.77
SC	24433.6*	23.77	23.77	23.77
SC	24409.8*	23.77	23.77	23.77
SC	24386.0*	23.77	23.77	23.77
SC	24362.3*	23.77	23.77	23.77
SC	24338.5*	23.77	23.77	23.77
SC	24314.7*	23.77	23.77	23.77
SC	24291	385	385	385
SC	23906	112.67	112.67	112.67
SC	23793.3*	112.67	112.67	112.67
SC	23680.6*	112.67	112.67	112.67

SC	23568	131	131	131
SC	23437.*	131	131	131
SC	23306.*	131	131	131
SC	23175.*	131	131	131
SC	23044	46.31	46.31	46.31
SC	22997.6*	46.31	46.31	46.31
SC	22951.3*	46.31	46.31	46.31
SC	22905.0*	46.31	46.31	46.31
SC	22858.7*	46.31	46.31	46.31
SC	22812.4*	46.31	46.31	46.31
SC	22766.1*	46.31	46.31	46.31
SC	22719.8*	46.31	46.31	46.31
SC	22673.5*	46.31	46.31	46.31
SC	22627.2*	46.31	46.31	46.31
SC	22580.9*	46.31	46.31	46.31
SC	22534.6*	46.31	46.31	46.31
SC	22488.3*	46.31	46.31	46.31
SC	22442	449	449	449
SC	21993	686	686	686
SC	21307	97.5	97.5	97.5
SC	21209.5*	97.5	97.5	97.5
SC	21112.*	97.5	97.5	97.5
SC	21014.5*	97.5	97.5	97.5
SC	20917.*	97.5	97.5	97.5
SC	20819.5*	97.5	97.5	97.5
SC	20722.*	97.5	97.5	97.5
SC	20624.5*	97.5	97.5	97.5
SC	20527.*	97.5	97.5	97.5
SC	20429.5*	97.5	97.5	97.5
SC	20332.*	97.5	97.5	97.5
SC	20234.5*	97.5	97.5	97.5
SC	20137	335.02	335.02	335.02
SC	19802	589	589	589
SC	19213	290	290	290
SC	18923	59	59	59
SC	18864	172.67	172.67	172.67
SC	18691.3*	172.67	172.67	172.67
SC	18518.6*	172.67	172.67	172.67
SC	18346	421	421	421
SC	17925	414	414	414
SC	17511	441	441	441
SC	17070	411	411	411
SC	16659	492	492	492
SC	16167	568	568	568
SC	15599	798	798	798
SC	14801	478	478	478
SC	14323	402	402	402
SC	13921	417	417	417
SC	13504	450	450	450
SC	13054	341	341	341
SC	12713	412	412	412
SC	12301	736	736	736
SC	11565	154	154	154
SC	11411	409	409	409
SC	11002	424	424	424
SC	10578	266	266	266
SC	10312	289	289	289
SC	10023	832	832	832
SC	9191	382	382	382
SC	8809	527	527	527
SC	8282	604	604	604
SC	7678	308	308	308
SC	7370	671	671	671

SC	6699	838	838	838
SC	5861	667	667	667
SC	5194	474	474	474
SC	4720	46.5	46.5	46.5
SC	4673.5*	46.5	46.5	46.5
SC	4627.*	46.5	46.5	46.5
SC	4580.5*	46.5	46.5	46.5
SC	4534.*	46.5	46.5	46.5
SC	4487.5*	46.5	46.5	46.5
SC	4441.*	46.5	46.5	46.5
SC	4394.5*	46.5	46.5	46.5
SC	4348.*	46.5	46.5	46.5
SC	4301.5*	46.5	46.5	46.5
SC	4255	45.5	45.5	45.5
SC	4209.5*	45.5	45.5	45.5
SC	4164.*	45.5	45.5	45.5
SC	4118.5*	45.5	45.5	45.5
SC	4073.*	45.5	45.5	45.5
SC	4027.5*	45.5	45.5	45.5
SC	3982.*	45.5	45.5	45.5
SC	3936.5*	45.5	45.5	45.5
SC	3891	448	448	448
SC	3443	143	143	143
SC	3300	243	243	243
SC	3057	127	127	127
SC	2930	242.06	242.06	242.06
SC	2688	239.04	239.04	239.04
SC	2449	252.96	252.96	252.96
SC	2196	25	25	25
SC	2171.*	25	25	25
SC	2146.*	25	25	25
SC	2121.*	25	25	25
SC	2096.*	25	25	25
SC	2071.*	25	25	25
SC	2046.*	25	25	25
SC	2021.*	25	25	25
SC	1996.*	25	25	25
SC	1971.*	25	25	25
SC	1946	4.95	4.95	4.95
SC	1941.04*	4.95	4.95	4.95
SC	1936.09*	4.95	4.95	4.95
SC	1931.14*	4.95	4.95	4.95
SC	1926.19*	4.95	4.95	4.95
SC	1921.24*	4.95	4.95	4.95
SC	1916.29*	4.95	4.95	4.95
SC	1911.34*	4.95	4.95	4.95
SC	1906.39*	4.95	4.95	4.95
SC	1901.44*	4.95	4.95	4.95
SC	1896.49*	4.95	4.95	4.95
SC	1891.54*	4.95	4.95	4.95
SC	1886.59*	4.95	4.95	4.95
SC	1881.64*	4.95	4.95	4.95
SC	1876.69*	4.95	4.95	4.95
SC	1871.74*	4.95	4.95	4.95
SC	1866.79*	4.95	4.95	4.95
SC	1861.83*	4.95	4.95	4.95
SC	1856.88*	4.95	4.95	4.95
SC	1851.93*	4.95	4.95	4.95
SC	1846.98*	4.95	4.95	4.95
SC	1842.03*	4.95	4.95	4.95
SC	1837.08*	4.95	4.95	4.95
SC	1832.13*	4.95	4.95	4.95
SC	1827.18*	4.95	4.95	4.95

SC	1822.23*	4.95	4.95	4.95
SC	1817.28*	4.95	4.95	4.95
SC	1812.33*	4.95	4.95	4.95
SC	1807.38*	4.95	4.95	4.95
SC	1802.43*	4.95	4.95	4.95
SC	1797.48*	4.95	4.95	4.95
SC	1792.53*	4.95	4.95	4.95
SC	1787.58*	4.95	4.95	4.95
SC	1782.63*	4.95	4.95	4.95
SC	1777.67*	4.95	4.95	4.95
SC	1772.72*	4.95	4.95	4.95
SC	1767.77*	4.95	4.95	4.95
SC	1762.82*	4.95	4.95	4.95
SC	1757.87*	4.95	4.95	4.95
SC	1752.92*	4.95	4.95	4.95
SC	1747.97*	4.95	4.95	4.95
SC	1743.02*	4.95	4.95	4.95
SC	1738.07*	4.95	4.95	4.95
SC	1733.12*	4.95	4.95	4.95
SC	1728.17*	4.95	4.95	4.95
SC	1723.22*	4.95	4.95	4.95
SC	1718.27*	4.95	4.95	4.95
SC	1713.32*	4.95	4.95	4.95
SC	1708.37*	4.95	4.95	4.95
SC	1703.42*	4.95	4.95	4.95
SC	1698.46*	4.95	4.95	4.95
SC	1693.51*	4.95	4.95	4.95
SC	1688.56*	4.95	4.95	4.95
SC	1683.61*	4.95	4.95	4.95
SC	1678.66*	4.95	4.95	4.95
SC	1673.71*	4.95	4.95	4.95
SC	1668.76*	4.95	4.95	4.95
SC	1663.81*	4.95	4.95	4.95
SC	1658.86*	4.95	4.95	4.95
SC	1653.91*	4.95	4.95	4.95
SC	1648.96*	4.95	4.95	4.95
SC	1644.01*	4.95	4.95	4.95
SC	1639.06*	4.95	4.95	4.95
SC	1634.11*	4.95	4.95	4.95
SC	1629.16*	4.95	4.95	4.95
SC	1624.21*	4.95	4.95	4.95
SC	1619.25*	4.95	4.95	4.95
SC	1614.30*	4.95	4.95	4.95
SC	1609.35*	4.95	4.95	4.95
SC	1604.40*	4.95	4.95	4.95
SC	1599.45*	4.95	4.95	4.95
SC	1594.50*	4.95	4.95	4.95
SC	1589.55*	4.95	4.95	4.95
SC	1584.60*	4.95	4.95	4.95
SC	1579.65*	4.95	4.95	4.95
SC	1574.70*	4.95	4.95	4.95
SC	1569.75*	4.95	4.95	4.95
SC	1564.80*	4.95	4.95	4.95
SC	1559.85*	4.95	4.95	4.95
SC	1554.90*	4.95	4.95	4.95
SC	1549.95*	4.95	4.95	4.95
SC	1545	9.74	9.74	9.74
SC	1535.26*	9.74	9.74	9.74
SC	1525.52*	9.74	9.74	9.74
SC	1515.79*	9.74	9.74	9.74
SC	1506.05*	9.74	9.74	9.74
SC	1496.32*	9.74	9.74	9.74
SC	1486.58*	9.74	9.74	9.74

SC	1476.85*	9.74	9.74	9.74
SC	1467.11*	9.74	9.74	9.74
SC	1457.38*	9.74	9.74	9.74
SC	1447.64*	9.74	9.74	9.74
SC	1437.91*	9.74	9.74	9.74
SC	1428.17*	9.74	9.74	9.74
SC	1418.44*	9.74	9.74	9.74
SC	1408.70*	9.74	9.74	9.74
SC	1398.97*	9.74	9.74	9.74
SC	1389.23*	9.74	9.74	9.74
SC	1379.5*	9.74	9.74	9.74
SC	1369.76*	9.74	9.74	9.74
SC	1360.02*	9.74	9.74	9.74
SC	1350.29*	9.74	9.74	9.74
SC	1340.55*	9.74	9.74	9.74
SC	1330.82*	9.74	9.74	9.74
SC	1321.08*	9.74	9.74	9.74
SC	1311.35*	9.74	9.74	9.74
SC	1301.61*	9.74	9.74	9.74
SC	1291.88*	9.74	9.74	9.74
SC	1282.14*	9.74	9.74	9.74
SC	1272.41*	9.74	9.74	9.74
SC	1262.67*	9.74	9.74	9.74
SC	1252.94*	9.74	9.74	9.74
SC	1243.20*	9.74	9.74	9.74
SC	1233.47*	9.74	9.74	9.74
SC	1223.73*	9.74	9.74	9.74
SC	1214	2.94	2.94	2.94
SC	1211.05*	2.94	2.94	2.94
SC	1208.11*	2.94	2.94	2.94
SC	1205.17*	2.94	2.94	2.94
SC	1202.23*	2.94	2.94	2.94
SC	1199.29*	2.94	2.94	2.94
SC	1196.35*	2.94	2.94	2.94
SC	1193.41*	2.94	2.94	2.94
SC	1190.47*	2.94	2.94	2.94
SC	1187.52*	2.94	2.94	2.94
SC	1184.58*	2.94	2.94	2.94
SC	1181.64*	2.94	2.94	2.94
SC	1178.70*	2.94	2.94	2.94
SC	1175.76*	2.94	2.94	2.94
SC	1172.82*	2.94	2.94	2.94
SC	1169.88*	2.94	2.94	2.94
SC	1166.94*	2.94	2.94	2.94
SC	1164	5	5	5

SUMMARY OF CONTRACTION AND EXPANSION COEFFICIENTS
River: PALUXY

Reach	River Sta.	Contr.	Expan.
PALUXY RIVER	25092	.1	.3
PALUXY RIVER	22745	.1	.3
PALUXY RIVER	21047	.1	.3
PALUXY RIVER	19331	.1	.3
PALUXY RIVER	17277	.1	.3
PALUXY RIVER	15741	.1	.3
PALUXY RIVER	14471	.1	.3
PALUXY RIVER	14325.1*	.1	.3

PALUXY RIVER	14179.2*	.1	.3
PALUXY RIVER	14033.4*	.1	.3
PALUXY RIVER	13887.5*	.1	.3
PALUXY RIVER	13741.7*	.1	.3
PALUXY RIVER	13595.8*	.1	.3
PALUXY RIVER	13450	.1	.3
PALUXY RIVER	12129	.1	.3
PALUXY RIVER	11391	.1	.3
PALUXY RIVER	11366.1*	.1	.3
PALUXY RIVER	11341.3*	.1	.3
PALUXY RIVER	11316.4*	.1	.3
PALUXY RIVER	11291.6*	.1	.3
PALUXY RIVER	11266.8*	.1	.3
PALUXY RIVER	11241.9*	.1	.3
PALUXY RIVER	11217.1*	.1	.3
PALUXY RIVER	11192.2*	.1	.3
PALUXY RIVER	11167.4*	.1	.3
PALUXY RIVER	11142.6*	.1	.3
PALUXY RIVER	11117.7*	.1	.3
PALUXY RIVER	11092.9*	.1	.3
PALUXY RIVER	11068.0*	.1	.3
PALUXY RIVER	11043.2*	.1	.3
PALUXY RIVER	11018.4*	.1	.3
PALUXY RIVER	10993.5*	.1	.3
PALUXY RIVER	10968.7*	.1	.3
PALUXY RIVER	10943.8*	.1	.3
PALUXY RIVER	10919.0*	.1	.3
PALUXY RIVER	10894.2*	.1	.3
PALUXY RIVER	10869.3*	.1	.3
PALUXY RIVER	10844.5*	.1	.3
PALUXY RIVER	10819.6*	.1	.3
PALUXY RIVER	10794.8*	.1	.3
PALUXY RIVER	10770.*	.1	.3
PALUXY RIVER	10745.1*	.1	.3
PALUXY RIVER	10720.3*	.1	.3
PALUXY RIVER	10695.4*	.1	.3
PALUXY RIVER	10670.6*	.1	.3
PALUXY RIVER	10645.8*	.1	.3
PALUXY RIVER	10620.9*	.1	.3
PALUXY RIVER	10596.1*	.1	.3
PALUXY RIVER	10571.2*	.1	.3
PALUXY RIVER	10546.4*	.1	.3
PALUXY RIVER	10521.6*	.1	.3
PALUXY RIVER	10496.7*	.1	.3
PALUXY RIVER	10471.9*	.1	.3
PALUXY RIVER	10447.0*	.1	.3
PALUXY RIVER	10422.2*	.1	.3
PALUXY RIVER	10397.4*	.1	.3
PALUXY RIVER	10372.5*	.1	.3
PALUXY RIVER	10347.7*	.1	.3
PALUXY RIVER	10322.8*	.1	.3
PALUXY RIVER	10298.0*	.1	.3
PALUXY RIVER	10273.2*	.1	.3
PALUXY RIVER	10248.3*	.1	.3
PALUXY RIVER	10223.5*	.1	.3
PALUXY RIVER	10198.6*	.1	.3
PALUXY RIVER	10173.8*	.1	.3
PALUXY RIVER	10149.*	.1	.3
PALUXY RIVER	10124.1*	.1	.3
PALUXY RIVER	10099.3*	.1	.3
PALUXY RIVER	10074.4*	.1	.3
PALUXY RIVER	10049.6*	.1	.3
PALUXY RIVER	10024.8*	.1	.3

PALUXY RIVER	9999.96*	.1	.3
PALUXY RIVER	9975.12*	.1	.3
PALUXY RIVER	9950.28*	.1	.3
PALUXY RIVER	9925.44*	.1	.3
PALUXY RIVER	9900.6*	.1	.3
PALUXY RIVER	9875.76*	.1	.3
PALUXY RIVER	9850.92*	.1	.3
PALUXY RIVER	9826.08*	.1	.3
PALUXY RIVER	9801.24*	.1	.3
PALUXY RIVER	9776.4*	.1	.3
PALUXY RIVER	9751.56*	.1	.3
PALUXY RIVER	9726.72*	.1	.3
PALUXY RIVER	9701.88*	.1	.3
PALUXY RIVER	9677.04*	.1	.3
PALUXY RIVER	9652.2*	.1	.3
PALUXY RIVER	9627.36*	.1	.3
PALUXY RIVER	9602.52*	.1	.3
PALUXY RIVER	9577.68*	.1	.3
PALUXY RIVER	9552.84*	.1	.3
PALUXY RIVER	9528.00*	.1	.3
PALUXY RIVER	9503.16*	.1	.3
PALUXY RIVER	9478.32*	.1	.3
PALUXY RIVER	9453.48*	.1	.3
PALUXY RIVER	9428.64*	.1	.3
PALUXY RIVER	9403.80*	.1	.3
PALUXY RIVER	9378.96*	.1	.3
PALUXY RIVER	9354.12*	.1	.3
PALUXY RIVER	9329.28*	.1	.3
PALUXY RIVER	9304.44*	.1	.3
PALUXY RIVER	9279.60*	.1	.3
PALUXY RIVER	9254.76*	.1	.3
PALUXY RIVER	9229.92*	.1	.3
PALUXY RIVER	9205.08*	.1	.3
PALUXY RIVER	9180.24*	.1	.3
PALUXY RIVER	9155.4*	.1	.3
PALUXY RIVER	9130.56*	.1	.3
PALUXY RIVER	9105.72*	.1	.3
PALUXY RIVER	9080.88*	.1	.3
PALUXY RIVER	9056.04*	.1	.3
PALUXY RIVER	9031.2*	.1	.3
PALUXY RIVER	9006.35*	.1	.3
PALUXY RIVER	8981.52*	.1	.3
PALUXY RIVER	8956.68*	.1	.3
PALUXY RIVER	8931.84*	.1	.3
PALUXY RIVER	8907	.1	.3
PALUXY RIVER	8861.14*	.1	.3
PALUXY RIVER	8815.28*	.1	.3
PALUXY RIVER	8769.42*	.1	.3
PALUXY RIVER	8723.57*	.1	.3
PALUXY RIVER	8677.71*	.1	.3
PALUXY RIVER	8631.85*	.1	.3
PALUXY RIVER	8586.*	.1	.3
PALUXY RIVER	8540.14*	.1	.3
PALUXY RIVER	8494.28*	.1	.3
PALUXY RIVER	8448.42*	.1	.3
PALUXY RIVER	8402.57*	.1	.3
PALUXY RIVER	8356.71*	.1	.3
PALUXY RIVER	8310.85*	.1	.3
PALUXY RIVER	8265.*	.1	.3
PALUXY RIVER	8219.14*	.1	.3
PALUXY RIVER	8173.28*	.1	.3
PALUXY RIVER	8127.42*	.1	.3
PALUXY RIVER	8081.57*	.1	.3

PALUXY RIVER	8035.71*	.1	.3
PALUXY RIVER	7989.85*	.1	.3
PALUXY RIVER	7944	.1	.3
PALUXY RIVER	7886.4*	.1	.3
PALUXY RIVER	7828.8*	.1	.3
PALUXY RIVER	7771.2*	.1	.3
PALUXY RIVER	7713.6*	.1	.3
PALUXY RIVER	7656.*	.1	.3
PALUXY RIVER	7598.4*	.1	.3
PALUXY RIVER	7540.8*	.1	.3
PALUXY RIVER	7483.2*	.1	.3
PALUXY RIVER	7425.6*	.1	.3
PALUXY RIVER	7368.*	.1	.3
PALUXY RIVER	7310.4*	.1	.3
PALUXY RIVER	7252.8*	.1	.3
PALUXY RIVER	7195.2*	.1	.3
PALUXY RIVER	7137.6*	.1	.3
PALUXY RIVER	7080	.1	.3
PALUXY RIVER	7065.01*	.1	.3
PALUXY RIVER	7050.03*	.1	.3
PALUXY RIVER	7035.04*	.1	.3
PALUXY RIVER	7020.06*	.1	.3
PALUXY RIVER	7005.07*	.1	.3
PALUXY RIVER	6990.09*	.1	.3
PALUXY RIVER	6975.10*	.1	.3
PALUXY RIVER	6960.12*	.1	.3
PALUXY RIVER	6945.13*	.1	.3
PALUXY RIVER	6930.15*	.1	.3
PALUXY RIVER	6915.16*	.1	.3
PALUXY RIVER	6900.18*	.1	.3
PALUXY RIVER	6885.19*	.1	.3
PALUXY RIVER	6870.21*	.1	.3
PALUXY RIVER	6855.22*	.1	.3
PALUXY RIVER	6840.24*	.1	.3
PALUXY RIVER	6825.25*	.1	.3
PALUXY RIVER	6810.27*	.1	.3
PALUXY RIVER	6795.28*	.1	.3
PALUXY RIVER	6780.30*	.1	.3
PALUXY RIVER	6765.31*	.1	.3
PALUXY RIVER	6750.33*	.1	.3
PALUXY RIVER	6735.34*	.1	.3
PALUXY RIVER	6720.36*	.1	.3
PALUXY RIVER	6705.37*	.1	.3
PALUXY RIVER	6690.39*	.1	.3
PALUXY RIVER	6675.40*	.1	.3
PALUXY RIVER	6660.42*	.1	.3
PALUXY RIVER	6645.43*	.1	.3
PALUXY RIVER	6630.45*	.1	.3
PALUXY RIVER	6615.47*	.1	.3
PALUXY RIVER	6600.48*	.1	.3
PALUXY RIVER	6585.5*	.1	.3
PALUXY RIVER	6570.51*	.1	.3
PALUXY RIVER	6555.53*	.1	.3
PALUXY RIVER	6540.54*	.1	.3
PALUXY RIVER	6525.56*	.1	.3
PALUXY RIVER	6510.57*	.1	.3
PALUXY RIVER	6495.59*	.1	.3
PALUXY RIVER	6480.60*	.1	.3
PALUXY RIVER	6465.62*	.1	.3
PALUXY RIVER	6450.63*	.1	.3
PALUXY RIVER	6435.65*	.1	.3
PALUXY RIVER	6420.66*	.1	.3
PALUXY RIVER	6405.68*	.1	.3

PALUXY RIVER	6390.69*	.1	.3
PALUXY RIVER	6375.71*	.1	.3
PALUXY RIVER	6360.72*	.1	.3
PALUXY RIVER	6345.74*	.1	.3
PALUXY RIVER	6330.75*	.1	.3
PALUXY RIVER	6315.77*	.1	.3
PALUXY RIVER	6300.78*	.1	.3
PALUXY RIVER	6285.80*	.1	.3
PALUXY RIVER	6270.81*	.1	.3
PALUXY RIVER	6255.83*	.1	.3
PALUXY RIVER	6240.84*	.1	.3
PALUXY RIVER	6225.86*	.1	.3
PALUXY RIVER	6210.87*	.1	.3
PALUXY RIVER	6195.89*	.1	.3
PALUXY RIVER	6180.91*	.1	.3
PALUXY RIVER	6165.92*	.1	.3
PALUXY RIVER	6150.94*	.1	.3
PALUXY RIVER	6135.95*	.1	.3
PALUXY RIVER	6120.97*	.1	.3
PALUXY RIVER	6105.98*	.1	.3
PALUXY RIVER	6091.00*	.1	.3
PALUXY RIVER	6076.01*	.1	.3
PALUXY RIVER	6061.03*	.1	.3
PALUXY RIVER	6046.04*	.1	.3
PALUXY RIVER	6031.06*	.1	.3
PALUXY RIVER	6016.07*	.1	.3
PALUXY RIVER	6001.09*	.1	.3
PALUXY RIVER	5986.10*	.1	.3
PALUXY RIVER	5971.12*	.1	.3
PALUXY RIVER	5956.13*	.1	.3
PALUXY RIVER	5941.15*	.1	.3
PALUXY RIVER	5926.16*	.1	.3
PALUXY RIVER	5911.18*	.1	.3
PALUXY RIVER	5896.19*	.1	.3
PALUXY RIVER	5881.21*	.1	.3
PALUXY RIVER	5866.22*	.1	.3
PALUXY RIVER	5851.24*	.1	.3
PALUXY RIVER	5836.25*	.1	.3
PALUXY RIVER	5821.27*	.1	.3
PALUXY RIVER	5806.29*	.1	.3
PALUXY RIVER	5791.30*	.1	.3
PALUXY RIVER	5776.32*	.1	.3
PALUXY RIVER	5761.33*	.1	.3
PALUXY RIVER	5746.35*	.1	.3
PALUXY RIVER	5731.36*	.1	.3
PALUXY RIVER	5716.38*	.1	.3
PALUXY RIVER	5701.39*	.1	.3
PALUXY RIVER	5686.41*	.1	.3
PALUXY RIVER	5671.42*	.1	.3
PALUXY RIVER	5656.44*	.1	.3
PALUXY RIVER	5641.45*	.1	.3
PALUXY RIVER	5626.47*	.1	.3
PALUXY RIVER	5611.48*	.1	.3
PALUXY RIVER	5596.50*	.1	.3
PALUXY RIVER	5581.51*	.1	.3
PALUXY RIVER	5566.53*	.1	.3
PALUXY RIVER	5551.54*	.1	.3
PALUXY RIVER	5536.56*	.1	.3
PALUXY RIVER	5521.57*	.1	.3
PALUXY RIVER	5506.59*	.1	.3
PALUXY RIVER	5491.60*	.1	.3
PALUXY RIVER	5476.62*	.1	.3
PALUXY RIVER	5461.63*	.1	.3

PALUXY RIVER	5446.65*	.1	.3
PALUXY RIVER	5431.66*	.1	.3
PALUXY RIVER	5416.68*	.1	.3
PALUXY RIVER	5401.69*	.1	.3
PALUXY RIVER	5386.71*	.1	.3
PALUXY RIVER	5371.72*	.1	.3
PALUXY RIVER	5356.74*	.1	.3
PALUXY RIVER	5341.76*	.1	.3
PALUXY RIVER	5326.77*	.1	.3
PALUXY RIVER	5311.79*	.1	.3
PALUXY RIVER	5296.80*	.1	.3
PALUXY RIVER	5281.82*	.1	.3
PALUXY RIVER	5266.83*	.1	.3
PALUXY RIVER	5251.85*	.1	.3
PALUXY RIVER	5236.86*	.1	.3
PALUXY RIVER	5221.88*	.1	.3
PALUXY RIVER	5206.89*	.1	.3
PALUXY RIVER	5191.91*	.1	.3
PALUXY RIVER	5176.92*	.1	.3
PALUXY RIVER	5161.94*	.1	.3
PALUXY RIVER	5146.95*	.1	.3
PALUXY RIVER	5131.97*	.1	.3
PALUXY RIVER	5116.98*	.1	.3
PALUXY RIVER	5102	.1	.3
LOWER PALUXY	3838	.1	.3
LOWER PALUXY	3833.02*	.1	.3
LOWER PALUXY	3828.03*	.1	.3
LOWER PALUXY	3823.05*	.1	.3
LOWER PALUXY	3818.07*	.1	.3
LOWER PALUXY	3813.09*	.1	.3
LOWER PALUXY	3808.11*	.1	.3
LOWER PALUXY	3803.13*	.1	.3
LOWER PALUXY	3798.15*	.1	.3
LOWER PALUXY	3793.17*	.1	.3
LOWER PALUXY	3788.19*	.1	.3
LOWER PALUXY	3783.21*	.1	.3
LOWER PALUXY	3778.23*	.1	.3
LOWER PALUXY	3773.25*	.1	.3
LOWER PALUXY	3768.27*	.1	.3
LOWER PALUXY	3763.29*	.1	.3
LOWER PALUXY	3758.31*	.1	.3
LOWER PALUXY	3753.33*	.1	.3
LOWER PALUXY	3748.35*	.1	.3
LOWER PALUXY	3743.37*	.1	.3
LOWER PALUXY	3738.38*	.1	.3
LOWER PALUXY	3733.40*	.1	.3
LOWER PALUXY	3728.42*	.1	.3
LOWER PALUXY	3723.44*	.1	.3
LOWER PALUXY	3718.46*	.1	.3
LOWER PALUXY	3713.48*	.1	.3
LOWER PALUXY	3708.50*	.1	.3
LOWER PALUXY	3703.52*	.1	.3
LOWER PALUXY	3698.54*	.1	.3
LOWER PALUXY	3693.56*	.1	.3
LOWER PALUXY	3688.58*	.1	.3
LOWER PALUXY	3683.60*	.1	.3
LOWER PALUXY	3678.62*	.1	.3
LOWER PALUXY	3673.64*	.1	.3
LOWER PALUXY	3668.66*	.1	.3
LOWER PALUXY	3663.68*	.1	.3
LOWER PALUXY	3658.7*	.1	.3
LOWER PALUXY	3653.72*	.1	.3
LOWER PALUXY	3648.73*	.1	.3

LOWER PALUXY	3643.75*	.1	.3
LOWER PALUXY	3638.77*	.1	.3
LOWER PALUXY	3633.79*	.1	.3
LOWER PALUXY	3628.81*	.1	.3
LOWER PALUXY	3623.83*	.1	.3
LOWER PALUXY	3618.85*	.1	.3
LOWER PALUXY	3613.87*	.1	.3
LOWER PALUXY	3608.89*	.1	.3
LOWER PALUXY	3603.91*	.1	.3
LOWER PALUXY	3598.93*	.1	.3
LOWER PALUXY	3593.95*	.1	.3
LOWER PALUXY	3588.97*	.1	.3
LOWER PALUXY	3583.99*	.1	.3
LOWER PALUXY	3579.01*	.1	.3
LOWER PALUXY	3574.03*	.1	.3
LOWER PALUXY	3569.05*	.1	.3
LOWER PALUXY	3564.07*	.1	.3
LOWER PALUXY	3559.08*	.1	.3
LOWER PALUXY	3554.10*	.1	.3
LOWER PALUXY	3549.12*	.1	.3
LOWER PALUXY	3544.14*	.1	.3
LOWER PALUXY	3539.16*	.1	.3
LOWER PALUXY	3534.18*	.1	.3
LOWER PALUXY	3529.20*	.1	.3
LOWER PALUXY	3524.22*	.1	.3
LOWER PALUXY	3519.24*	.1	.3
LOWER PALUXY	3514.26*	.1	.3
LOWER PALUXY	3509.28*	.1	.3
LOWER PALUXY	3504.30*	.1	.3
LOWER PALUXY	3499.32*	.1	.3
LOWER PALUXY	3494.34*	.1	.3
LOWER PALUXY	3489.36*	.1	.3
LOWER PALUXY	3484.38*	.1	.3
LOWER PALUXY	3479.40*	.1	.3
LOWER PALUXY	3474.42*	.1	.3
LOWER PALUXY	3469.44*	.1	.3
LOWER PALUXY	3464.45*	.1	.3
LOWER PALUXY	3459.47*	.1	.3
LOWER PALUXY	3454.49*	.1	.3
LOWER PALUXY	3449.51*	.1	.3
LOWER PALUXY	3444.53*	.1	.3
LOWER PALUXY	3439.55*	.1	.3
LOWER PALUXY	3434.57*	.1	.3
LOWER PALUXY	3429.59*	.1	.3
LOWER PALUXY	3424.61*	.1	.3
LOWER PALUXY	3419.63*	.1	.3
LOWER PALUXY	3414.65*	.1	.3
LOWER PALUXY	3409.67*	.1	.3
LOWER PALUXY	3404.69*	.1	.3
LOWER PALUXY	3399.71*	.1	.3
LOWER PALUXY	3394.73*	.1	.3
LOWER PALUXY	3389.75*	.1	.3
LOWER PALUXY	3384.77*	.1	.3
LOWER PALUXY	3379.79*	.1	.3
LOWER PALUXY	3374.81*	.1	.3
LOWER PALUXY	3369.82*	.1	.3
LOWER PALUXY	3364.84*	.1	.3
LOWER PALUXY	3359.86*	.1	.3
LOWER PALUXY	3354.88*	.1	.3
LOWER PALUXY	3349.90*	.1	.3
LOWER PALUXY	3344.92*	.1	.3
LOWER PALUXY	3339.94*	.1	.3
LOWER PALUXY	3334.96*	.1	.3

LOWER PALUXY	3329.98*	.1	.3
LOWER PALUXY	3325.00*	.1	.3
LOWER PALUXY	3320.02*	.1	.3
LOWER PALUXY	3315.04*	.1	.3
LOWER PALUXY	3310.06*	.1	.3
LOWER PALUXY	3305.08*	.1	.3
LOWER PALUXY	3300.10*	.1	.3
LOWER PALUXY	3295.12*	.1	.3
LOWER PALUXY	3290.14*	.1	.3
LOWER PALUXY	3285.16*	.1	.3
LOWER PALUXY	3280.17*	.1	.3
LOWER PALUXY	3275.19*	.1	.3
LOWER PALUXY	3270.21*	.1	.3
LOWER PALUXY	3265.23*	.1	.3
LOWER PALUXY	3260.25*	.1	.3
LOWER PALUXY	3255.27*	.1	.3
LOWER PALUXY	3250.29*	.1	.3
LOWER PALUXY	3245.31*	.1	.3
LOWER PALUXY	3240.33*	.1	.3
LOWER PALUXY	3235.35*	.1	.3
LOWER PALUXY	3230.37*	.1	.3
LOWER PALUXY	3225.39*	.1	.3
LOWER PALUXY	3220.41*	.1	.3
LOWER PALUXY	3215.43*	.1	.3
LOWER PALUXY	3210.45*	.1	.3
LOWER PALUXY	3205.47*	.1	.3
LOWER PALUXY	3200.49*	.1	.3
LOWER PALUXY	3195.51*	.1	.3
LOWER PALUXY	3190.53*	.1	.3
LOWER PALUXY	3185.54*	.1	.3
LOWER PALUXY	3180.56*	.1	.3
LOWER PALUXY	3175.58*	.1	.3
LOWER PALUXY	3170.60*	.1	.3
LOWER PALUXY	3165.62*	.1	.3
LOWER PALUXY	3160.64*	.1	.3
LOWER PALUXY	3155.66*	.1	.3
LOWER PALUXY	3150.68*	.1	.3
LOWER PALUXY	3145.70*	.1	.3
LOWER PALUXY	3140.72*	.1	.3
LOWER PALUXY	3135.74*	.1	.3
LOWER PALUXY	3130.76*	.1	.3
LOWER PALUXY	3125.78*	.1	.3
LOWER PALUXY	3120.80*	.1	.3
LOWER PALUXY	3115.82*	.1	.3
LOWER PALUXY	3110.84*	.1	.3
LOWER PALUXY	3105.86*	.1	.3
LOWER PALUXY	3100.88*	.1	.3
LOWER PALUXY	3095.9*	.1	.3
LOWER PALUXY	3090.91*	.1	.3
LOWER PALUXY	3085.93*	.1	.3
LOWER PALUXY	3080.95*	.1	.3
LOWER PALUXY	3075.97*	.1	.3
LOWER PALUXY	3070.99*	.1	.3
LOWER PALUXY	3066.01*	.1	.3
LOWER PALUXY	3061.03*	.1	.3
LOWER PALUXY	3056.05*	.1	.3
LOWER PALUXY	3051.07*	.1	.3
LOWER PALUXY	3046.09*	.1	.3
LOWER PALUXY	3041.11*	.1	.3
LOWER PALUXY	3036.13*	.1	.3
LOWER PALUXY	3031.15*	.1	.3
LOWER PALUXY	3026.17*	.1	.3
LOWER PALUXY	3021.19*	.1	.3

LOWER PALUXY	3016.21*	.1	.3
LOWER PALUXY	3011.23*	.1	.3
LOWER PALUXY	3006.25*	.1	.3
LOWER PALUXY	3001.27*	.1	.3
LOWER PALUXY	2996.28*	.1	.3
LOWER PALUXY	2991.30*	.1	.3
LOWER PALUXY	2986.32*	.1	.3
LOWER PALUXY	2981.34*	.1	.3
LOWER PALUXY	2976.36*	.1	.3
LOWER PALUXY	2971.38*	.1	.3
LOWER PALUXY	2966.40*	.1	.3
LOWER PALUXY	2961.42*	.1	.3
LOWER PALUXY	2956.44*	.1	.3
LOWER PALUXY	2951.46*	.1	.3
LOWER PALUXY	2946.48*	.1	.3
LOWER PALUXY	2941.50*	.1	.3
LOWER PALUXY	2936.52*	.1	.3
LOWER PALUXY	2931.54*	.1	.3
LOWER PALUXY	2926.56*	.1	.3
LOWER PALUXY	2921.58*	.1	.3
LOWER PALUXY	2916.6*	.1	.3
LOWER PALUXY	2911.62*	.1	.3
LOWER PALUXY	2906.63*	.1	.3
LOWER PALUXY	2901.65*	.1	.3
LOWER PALUXY	2896.67*	.1	.3
LOWER PALUXY	2891.69*	.1	.3
LOWER PALUXY	2886.71*	.1	.3
LOWER PALUXY	2881.73*	.1	.3
LOWER PALUXY	2876.75*	.1	.3
LOWER PALUXY	2871.77*	.1	.3
LOWER PALUXY	2866.79*	.1	.3
LOWER PALUXY	2861.81*	.1	.3
LOWER PALUXY	2856.83*	.1	.3
LOWER PALUXY	2851.85*	.1	.3
LOWER PALUXY	2846.87*	.1	.3
LOWER PALUXY	2841.89*	.1	.3
LOWER PALUXY	2836.91*	.1	.3
LOWER PALUXY	2831.93*	.1	.3
LOWER PALUXY	2826.95*	.1	.3
LOWER PALUXY	2821.97*	.1	.3
LOWER PALUXY	2816.99*	.1	.3
LOWER PALUXY	2812.00*	.1	.3
LOWER PALUXY	2807.02*	.1	.3
LOWER PALUXY	2802.04*	.1	.3
LOWER PALUXY	2797.06*	.1	.3
LOWER PALUXY	2792.08*	.1	.3
LOWER PALUXY	2787.10*	.1	.3
LOWER PALUXY	2782.12*	.1	.3
LOWER PALUXY	2777.14*	.1	.3
LOWER PALUXY	2772.16*	.1	.3
LOWER PALUXY	2767.18*	.1	.3
LOWER PALUXY	2762.20*	.1	.3
LOWER PALUXY	2757.22*	.1	.3
LOWER PALUXY	2752.24*	.1	.3
LOWER PALUXY	2747.26*	.1	.3
LOWER PALUXY	2742.28*	.1	.3
LOWER PALUXY	2737.30*	.1	.3
LOWER PALUXY	2732.32*	.1	.3
LOWER PALUXY	2727.34*	.1	.3
LOWER PALUXY	2722.36*	.1	.3
LOWER PALUXY	2717.37*	.1	.3
LOWER PALUXY	2712.39*	.1	.3
LOWER PALUXY	2707.41*	.1	.3

LOWER PALUXY	2702.43*	.1	.3
LOWER PALUXY	2697.45*	.1	.3
LOWER PALUXY	2692.47*	.1	.3
LOWER PALUXY	2687.49*	.1	.3
LOWER PALUXY	2682.51*	.1	.3
LOWER PALUXY	2677.53*	.1	.3
LOWER PALUXY	2672.55*	.1	.3
LOWER PALUXY	2667.57*	.1	.3
LOWER PALUXY	2662.59*	.1	.3
LOWER PALUXY	2657.61*	.1	.3
LOWER PALUXY	2652.63*	.1	.3
LOWER PALUXY	2647.65*	.1	.3
LOWER PALUXY	2642.67*	.1	.3
LOWER PALUXY	2637.69*	.1	.3
LOWER PALUXY	2632.71*	.1	.3
LOWER PALUXY	2627.72*	.1	.3
LOWER PALUXY	2622.74*	.1	.3
LOWER PALUXY	2617.76*	.1	.3
LOWER PALUXY	2612.78*	.1	.3
LOWER PALUXY	2607.80*	.1	.3
LOWER PALUXY	2602.82*	.1	.3
LOWER PALUXY	2597.84*	.1	.3
LOWER PALUXY	2592.86*	.1	.3
LOWER PALUXY	2587.88*	.1	.3
LOWER PALUXY	2582.90*	.1	.3
LOWER PALUXY	2577.92*	.1	.3
LOWER PALUXY	2572.94*	.1	.3
LOWER PALUXY	2567.96*	.1	.3
LOWER PALUXY	2562.98*	.1	.3
LOWER PALUXY	2558	.1	.3
LOWER PALUXY	924	.1	.3
LOWER PALUXY	923.5*	.1	.3
LOWER PALUXY	923.*	.1	.3
LOWER PALUXY	922.5*	.1	.3
LOWER PALUXY	922.*	.1	.3
LOWER PALUXY	921.5*	.1	.3
LOWER PALUXY	921.*	.1	.3
LOWER PALUXY	920.5*	.1	.3
LOWER PALUXY	920.*	.1	.3
LOWER PALUXY	919.5*	.1	.3
LOWER PALUXY	919.*	.1	.3
LOWER PALUXY	918.5*	.1	.3
LOWER PALUXY	918.*	.1	.3
LOWER PALUXY	917.5*	.1	.3
LOWER PALUXY	917.*	.1	.3
LOWER PALUXY	916.5*	.1	.3
LOWER PALUXY	916.*	.1	.3
LOWER PALUXY	915.5*	.1	.3
LOWER PALUXY	915.*	.1	.3
LOWER PALUXY	914.5*	.1	.3
LOWER PALUXY	914.*	.1	.3
LOWER PALUXY	913.5*	.1	.3
LOWER PALUXY	913.*	.1	.3
LOWER PALUXY	912.5*	.1	.3
LOWER PALUXY	912.*	.1	.3
LOWER PALUXY	911.5*	.1	.3
LOWER PALUXY	911.*	.1	.3
LOWER PALUXY	910.5*	.1	.3
LOWER PALUXY	910.*	.1	.3
LOWER PALUXY	909.5*	.1	.3
LOWER PALUXY	909.*	.1	.3
LOWER PALUXY	908.5*	.1	.3
LOWER PALUXY	908.*	.1	.3

LOWER PALUXY	907.5*	.1	.3
LOWER PALUXY	907.*	.1	.3
LOWER PALUXY	906.5*	.1	.3
LOWER PALUXY	906.*	.1	.3
LOWER PALUXY	905.5*	.1	.3
LOWER PALUXY	905.*	.1	.3
LOWER PALUXY	904.5*	.1	.3
LOWER PALUXY	904.*	.1	.3
LOWER PALUXY	903.5*	.1	.3
LOWER PALUXY	903.*	.1	.3
LOWER PALUXY	902.5*	.1	.3
LOWER PALUXY	902.*	.1	.3
LOWER PALUXY	901.5*	.1	.3
LOWER PALUXY	901.*	.1	.3
LOWER PALUXY	900.5*	.1	.3
LOWER PALUXY	900.*	.1	.3
LOWER PALUXY	899.5*	.1	.3
LOWER PALUXY	899.*	.1	.3
LOWER PALUXY	898.5*	.1	.3
LOWER PALUXY	898.*	.1	.3
LOWER PALUXY	897.5*	.1	.3
LOWER PALUXY	897.*	.1	.3
LOWER PALUXY	896.5*	.1	.3
LOWER PALUXY	896.*	.1	.3
LOWER PALUXY	895.5*	.1	.3
LOWER PALUXY	895.*	.1	.3
LOWER PALUXY	894.5*	.1	.3
LOWER PALUXY	894.*	.1	.3
LOWER PALUXY	893.5*	.1	.3
LOWER PALUXY	893.*	.1	.3
LOWER PALUXY	892.5*	.1	.3
LOWER PALUXY	892.*	.1	.3
LOWER PALUXY	891.5*	.1	.3
LOWER PALUXY	891.*	.1	.3
LOWER PALUXY	890.5*	.1	.3
LOWER PALUXY	890.*	.1	.3
LOWER PALUXY	889.5*	.1	.3
LOWER PALUXY	889.*	.1	.3
LOWER PALUXY	888.5*	.1	.3
LOWER PALUXY	888.*	.1	.3
LOWER PALUXY	887.5*	.1	.3
LOWER PALUXY	887.*	.1	.3
LOWER PALUXY	886.5*	.1	.3
LOWER PALUXY	886.*	.1	.3
LOWER PALUXY	885.5*	.1	.3
LOWER PALUXY	885.*	.1	.3
LOWER PALUXY	884.5*	.1	.3
LOWER PALUXY	884.*	.1	.3
LOWER PALUXY	883.5*	.1	.3
LOWER PALUXY	883.*	.1	.3
LOWER PALUXY	882.5*	.1	.3
LOWER PALUXY	882.*	.1	.3
LOWER PALUXY	881.5*	.1	.3
LOWER PALUXY	881.*	.1	.3
LOWER PALUXY	880.5*	.1	.3
LOWER PALUXY	880.*	.1	.3
LOWER PALUXY	879.5*	.1	.3
LOWER PALUXY	879.*	.1	.3
LOWER PALUXY	878.5*	.1	.3
LOWER PALUXY	878.*	.1	.3
LOWER PALUXY	877.5*	.1	.3
LOWER PALUXY	877.*	.1	.3
LOWER PALUXY	876.5*	.1	.3

LOWER PALUXY	876.*	.1	.3
LOWER PALUXY	875.5*	.1	.3
LOWER PALUXY	875.*	.1	.3
LOWER PALUXY	874.5*	.1	.3
LOWER PALUXY	874	.1	.3

River: SQUAW CREEK

Reach	River Sta.	Contr.	Expan.
SC	24757	.1	.3
SC	24756.*	.1	.3
SC	24755.*	.1	.3
SC	24754.*	.1	.3
SC	24753.*	.1	.3
SC	24752.*	.1	.3
SC	24751.*	.1	.3
SC	24750.*	.1	.3
SC	24749.*	.1	.3
SC	24748.*	.1	.3
SC	24747	.1	.3
SC	24722.5*	.1	.3
SC	24698.*	.1	.3
SC	24673.5*	.1	.3
SC	24649.*	.1	.3
SC	24624.5*	.1	.3
SC	24600	.1	.3
SC	24576.2*	.1	.3
SC	24552.4*	.1	.3
SC	24528.6*	.1	.3
SC	24504.9*	.1	.3
SC	24481.1*	.1	.3
SC	24457.3*	.1	.3
SC	24433.6*	.1	.3
SC	24409.8*	.1	.3
SC	24386.0*	.1	.3
SC	24362.3*	.1	.3
SC	24338.5*	.1	.3
SC	24314.7*	.1	.3
SC	24291	.1	.3
SC	23906	.1	.3
SC	23793.3*	.1	.3
SC	23680.6*	.1	.3
SC	23568	.1	.3
SC	23437.*	.1	.3
SC	23306.*	.1	.3
SC	23175.*	.1	.3
SC	23044	.1	.3
SC	22997.6*	.1	.3
SC	22951.3*	.1	.3
SC	22905.0*	.1	.3
SC	22858.7*	.1	.3
SC	22812.4*	.1	.3
SC	22766.1*	.1	.3
SC	22719.8*	.1	.3
SC	22673.5*	.1	.3
SC	22627.2*	.1	.3
SC	22580.9*	.1	.3
SC	22534.6*	.1	.3
SC	22488.3*	.1	.3
SC	22442	.1	.3
SC	21993	.1	.3

SC	21307	.1	.3
SC	21209.5*	.1	.3
SC	21112.*	.1	.3
SC	21014.5*	.1	.3
SC	20917.*	.1	.3
SC	20819.5*	.1	.3
SC	20722.*	.1	.3
SC	20624.5*	.1	.3
SC	20527.*	.1	.3
SC	20429.5*	.1	.3
SC	20332.*	.1	.3
SC	20234.5*	.1	.3
SC	20137	.1	.3
SC	19802	.1	.3
SC	19213	.1	.3
SC	18923	.1	.3
SC	18864	.1	.3
SC	18691.3*	.1	.3
SC	18518.6*	.1	.3
SC	18346	.1	.3
SC	17925	.1	.3
SC	17511	.1	.3
SC	17070	.1	.3
SC	16659	.1	.3
SC	16167	.1	.3
SC	15599	.1	.3
SC	14801	.1	.3
SC	14323	.1	.3
SC	13921	.1	.3
SC	13504	.1	.3
SC	13054	.1	.3
SC	12713	.1	.3
SC	12301	.1	.3
SC	11565	.1	.3
SC	11411	.1	.3
SC	11002	.1	.3
SC	10578	.1	.3
SC	10312	.1	.3
SC	10023	.1	.3
SC	9191	.1	.3
SC	8809	.1	.3
SC	8282	.1	.3
SC	7678	.1	.3
SC	7370	.1	.3
SC	6699	.1	.3
SC	5861	.1	.3
SC	5194	.1	.3
SC	4720	.1	.3
SC	4673.5*	.1	.3
SC	4627.*	.1	.3
SC	4580.5*	.1	.3
SC	4534.*	.1	.3
SC	4487.5*	.1	.3
SC	4441.*	.1	.3
SC	4394.5*	.1	.3
SC	4348.*	.1	.3
SC	4301.5*	.1	.3
SC	4255	.1	.3
SC	4209.5*	.1	.3
SC	4164.*	.1	.3
SC	4118.5*	.1	.3
SC	4073.*	.1	.3
SC	4027.5*	.1	.3

SC	3982.*	.1	.3
SC	3936.5*	.1	.3
SC	3891	.1	.3
SC	3443	.1	.3
SC	3300	.1	.3
SC	3057	.1	.3
SC	2930	.1	.3
SC	2688	.1	.3
SC	2449	.1	.3
SC	2196	.1	.3
SC	2171.*	.1	.3
SC	2146.*	.1	.3
SC	2121.*	.1	.3
SC	2096.*	.1	.3
SC	2071.*	.1	.3
SC	2046.*	.1	.3
SC	2021.*	.1	.3
SC	1996.*	.1	.3
SC	1971.*	.1	.3
SC	1946	.1	.3
SC	1941.04*	.1	.3
SC	1936.09*	.1	.3
SC	1931.14*	.1	.3
SC	1926.19*	.1	.3
SC	1921.24*	.1	.3
SC	1916.29*	.1	.3
SC	1911.34*	.1	.3
SC	1906.39*	.1	.3
SC	1901.44*	.1	.3
SC	1896.49*	.1	.3
SC	1891.54*	.1	.3
SC	1886.59*	.1	.3
SC	1881.64*	.1	.3
SC	1876.69*	.1	.3
SC	1871.74*	.1	.3
SC	1866.79*	.1	.3
SC	1861.83*	.1	.3
SC	1856.88*	.1	.3
SC	1851.93*	.1	.3
SC	1846.98*	.1	.3
SC	1842.03*	.1	.3
SC	1837.08*	.1	.3
SC	1832.13*	.1	.3
SC	1827.18*	.1	.3
SC	1822.23*	.1	.3
SC	1817.28*	.1	.3
SC	1812.33*	.1	.3
SC	1807.38*	.1	.3
SC	1802.43*	.1	.3
SC	1797.48*	.1	.3
SC	1792.53*	.1	.3
SC	1787.58*	.1	.3
SC	1782.63*	.1	.3
SC	1777.67*	.1	.3
SC	1772.72*	.1	.3
SC	1767.77*	.1	.3
SC	1762.82*	.1	.3
SC	1757.87*	.1	.3
SC	1752.92*	.1	.3
SC	1747.97*	.1	.3
SC	1743.02*	.1	.3
SC	1738.07*	.1	.3
SC	1733.12*	.1	.3

SC	1728.17*	.1	.3
SC	1723.22*	.1	.3
SC	1718.27*	.1	.3
SC	1713.32*	.1	.3
SC	1708.37*	.1	.3
SC	1703.42*	.1	.3
SC	1698.46*	.1	.3
SC	1693.51*	.1	.3
SC	1688.56*	.1	.3
SC	1683.61*	.1	.3
SC	1678.66*	.1	.3
SC	1673.71*	.1	.3
SC	1668.76*	.1	.3
SC	1663.81*	.1	.3
SC	1658.86*	.1	.3
SC	1653.91*	.1	.3
SC	1648.96*	.1	.3
SC	1644.01*	.1	.3
SC	1639.06*	.1	.3
SC	1634.11*	.1	.3
SC	1629.16*	.1	.3
SC	1624.21*	.1	.3
SC	1619.25*	.1	.3
SC	1614.30*	.1	.3
SC	1609.35*	.1	.3
SC	1604.40*	.1	.3
SC	1599.45*	.1	.3
SC	1594.50*	.1	.3
SC	1589.55*	.1	.3
SC	1584.60*	.1	.3
SC	1579.65*	.1	.3
SC	1574.70*	.1	.3
SC	1569.75*	.1	.3
SC	1564.80*	.1	.3
SC	1559.85*	.1	.3
SC	1554.90*	.1	.3
SC	1549.95*	.1	.3
SC	1545	.1	.3
SC	1535.26*	.1	.3
SC	1525.52*	.1	.3
SC	1515.79*	.1	.3
SC	1506.05*	.1	.3
SC	1496.32*	.1	.3
SC	1486.58*	.1	.3
SC	1476.85*	.1	.3
SC	1467.11*	.1	.3
SC	1457.38*	.1	.3
SC	1447.64*	.1	.3
SC	1437.91*	.1	.3
SC	1428.17*	.1	.3
SC	1418.44*	.1	.3
SC	1408.70*	.1	.3
SC	1398.97*	.1	.3
SC	1389.23*	.1	.3
SC	1379.5*	.1	.3
SC	1369.76*	.1	.3
SC	1360.02*	.1	.3
SC	1350.29*	.1	.3
SC	1340.55*	.1	.3
SC	1330.82*	.1	.3
SC	1321.08*	.1	.3
SC	1311.35*	.1	.3
SC	1301.61*	.1	.3

SC	1291.88*	.1	.3
SC	1282.14*	.1	.3
SC	1272.41*	.1	.3
SC	1262.67*	.1	.3
SC	1252.94*	.1	.3
SC	1243.20*	.1	.3
SC	1233.47*	.1	.3
SC	1223.73*	.1	.3
SC	1214	.1	.3
SC	1211.05*	.1	.3
SC	1208.11*	.1	.3
SC	1205.17*	.1	.3
SC	1202.23*	.1	.3
SC	1199.29*	.1	.3
SC	1196.35*	.1	.3
SC	1193.41*	.1	.3
SC	1190.47*	.1	.3
SC	1187.52*	.1	.3
SC	1184.58*	.1	.3
SC	1181.64*	.1	.3
SC	1178.70*	.1	.3
SC	1175.76*	.1	.3
SC	1172.82*	.1	.3
SC	1169.88*	.1	.3
SC	1166.94*	.1	.3
SC	1164	.1	.3

Profile Output Table - Standard Table 1

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
SQUAW CREEK	SC	24757	Max WS	5491.85	646.00	760.31		760.31	0.000000	0.03	251425.60	3425.21	0.00
SQUAW CREEK	SC	24756.*	Max WS	5491.85	645.90	760.31		760.31	0.000000	0.03	251438.10	3425.21	0.00
SQUAW CREEK	SC	24755.*	Max WS	5491.85	645.80	760.31		760.31	0.000000	0.03	251450.60	3425.21	0.00
SQUAW CREEK	SC	24754.*	Max WS	5491.84	645.70	760.31		760.31	0.000000	0.03	251463.10	3425.21	0.00
SQUAW CREEK	SC	24753.*	Max WS	5491.84	645.60	760.31		760.31	0.000000	0.03	251475.60	3425.21	0.00
SQUAW CREEK	SC	24752.*	Max WS	5491.84	645.50	760.31		760.31	0.000000	0.03	251488.10	3425.21	0.00
SQUAW CREEK	SC	24751.*	Max WS	5491.84	645.40	760.31		760.31	0.000000	0.03	251500.60	3425.21	0.00
SQUAW CREEK	SC	24750.*	Max WS	5491.83	645.30								

```
760.31                    760.31     0.000000       0.03    251513.10     3425.21
     0.00
  SQUAW CREEK   SC              24749.*       Max WS      5491.83      645.20
760.31                    760.31     0.000000       0.03    251525.60     3425.21
     0.00
  SQUAW CREEK   SC              24748.*       Max WS      5491.83      645.10
760.31                    760.31     0.000000       0.03    251538.10     3425.21
     0.00
  SQUAW CREEK   SC              24747         Max WS      5491.83      645.00
760.31                    760.31     0.000000       0.03    251550.60     3425.21
     0.00
  SQUAW CREEK   SC              24722.5*      Max WS      5491.76      644.83
760.31                    760.31     0.000000       0.03    251571.80     3425.21
     0.00
  SQUAW CREEK   SC              24698.*       Max WS      5491.70      644.67
760.31                    760.31     0.000000       0.03    251591.80     3425.21
     0.00
  SQUAW CREEK   SC              24673.5*      Max WS      5491.64      644.50
760.31                    760.31     0.000000       0.03    251613.10     3425.21
     0.00
  SQUAW CREEK   SC              24649.*       Max WS      5491.58      644.33
760.31                    760.31     0.000000       0.03    251634.30     3425.21
     0.00
  SQUAW CREEK   SC              24624.5*      Max WS      5491.52      644.17
760.31                    760.31     0.000000       0.03    251654.30     3425.21
     0.00
  SQUAW CREEK   SC              24600         Max WS      5491.46      644.00
760.31                    760.31     0.000000       0.03    251675.60     3425.21
     0.00
  SQUAW CREEK   SC              24576.2*      Max WS      5491.40      643.92
760.31                    760.31     0.000000       0.03    250094.00     3439.04
     0.00
  SQUAW CREEK   SC              24552.4*      Max WS      5491.34      643.85
760.31                    760.31     0.000000       0.03    248491.60     3452.88
     0.00
  SQUAW CREEK   SC              24528.6*      Max WS      5491.28      643.77
760.31                    760.31     0.000000       0.03    246878.80     3466.78
     0.00
  SQUAW CREEK   SC              24504.9*      Max WS      5491.22      643.69
760.31                    760.31     0.000000       0.03    245249.90     3480.72
     0.00
  SQUAW CREEK   SC              24481.1*      Max WS      5491.17      643.62
760.31                    760.31     0.000000       0.03    243606.20     3494.62
     0.00
  SQUAW CREEK   SC              24457.3*      Max WS      5491.11      643.54
760.31                    760.31     0.000000       0.03    241939.20     3508.48
     0.00
  SQUAW CREEK   SC              24433.6*      Max WS      5491.05      643.46
760.31                    760.31     0.000000       0.03    240262.80     3522.29
     0.00
  SQUAW CREEK   SC              24409.8*      Max WS      5490.99      643.38
760.31                    760.31     0.000000       0.03    238573.70     3536.07
     0.00
  SQUAW CREEK   SC              24386.0*      Max WS      5490.93      643.31
760.31                    760.31     0.000000       0.03    236863.50     3549.80
     0.00
  SQUAW CREEK   SC              24362.3*      Max WS      5490.87      643.23
760.31                    760.31     0.000000       0.03    235151.20     3563.47
     0.00
  SQUAW CREEK   SC              24338.5*      Max WS      5490.81      643.15
760.31                    760.31     0.000000       0.03    233416.40     3576.96
     0.00
  SQUAW CREEK   SC              24314.7*      Max WS      5490.76      643.08
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760.31                    760.31     0.000000       0.03    231674.50     3590.38
     0.00
  SQUAW CREEK   SC              24291          Max WS      5490.70      643.00
760.31                    760.31     0.000000       0.03    229909.80     3603.64
     0.00
  SQUAW CREEK   SC              23906          Max WS      5489.76      642.00
760.31                    760.31     0.000000       0.03    248549.30     3820.50
     0.00
  SQUAW CREEK   SC              23793.3*       Max WS      5489.50      641.67
760.31                    760.31     0.000000       0.03    252405.30     3825.13
     0.00
  SQUAW CREEK   SC              23680.6*       Max WS      5489.24      641.33
760.31                    760.31     0.000000       0.03    257105.90     3834.06
     0.00
  SQUAW CREEK   SC              23568          Max WS      5489.00      641.00
760.31                    760.31     0.000000       0.03    262573.30     3846.53
     0.00
  SQUAW CREEK   SC              23437.*        Max WS      5488.69      640.75
760.31                    760.31     0.000000       0.02    332312.00     4640.30
     0.00
  SQUAW CREEK   SC              23306.*        Max WS      5488.33      640.50
760.31                    760.31     0.000000       0.02    396412.50     5455.35
     0.00
  SQUAW CREEK   SC              23175.*        Max WS      5487.90      640.25
760.31                    760.31     0.000000       0.02    455087.50     6319.90
     0.00
  SQUAW CREEK   SC              23044          Max WS      5487.35      640.00
760.31                    760.31     0.000000       0.02    327567.20     7194.29
     0.00
  SQUAW CREEK   SC              22997.6*       Max WS      5487.16      639.92
760.31                    760.31     0.000000       0.02    488570.00     6902.43
     0.00
  SQUAW CREEK   SC              22951.3*       Max WS      5486.97      639.85
760.31                    760.31     0.000000       0.02    468904.90     6608.74
     0.00
  SQUAW CREEK   SC              22905.0*       Max WS      5486.77      639.77
760.31                    760.31     0.000000       0.02    449723.20     6301.88
     0.00
  SQUAW CREEK   SC              22858.7*       Max WS      5486.58      639.69
760.31                    760.31     0.000000       0.02    431132.40     5950.66
     0.00
  SQUAW CREEK   SC              22812.4*       Max WS      5486.40      639.62
760.31                    760.31     0.000000       0.02    413245.70     5598.45
     0.00
  SQUAW CREEK   SC              22766.1*       Max WS      5486.23      639.54
760.31                    760.31     0.000000       0.02    396018.70     5263.98
     0.00
  SQUAW CREEK   SC              22719.8*       Max WS      5486.07      639.46
760.31                    760.31     0.000000       0.02    379198.30     5005.33
     0.00
  SQUAW CREEK   SC              22673.5*       Max WS      5485.92      639.38
760.31                    760.31     0.000000       0.02    362624.10     4760.30
     0.00
  SQUAW CREEK   SC              22627.2*       Max WS      5485.77      639.31
760.31                    760.31     0.000000       0.02    346210.50     4526.64
     0.00
  SQUAW CREEK   SC              22580.9*       Max WS      5485.64      639.23
760.31                    760.31     0.000000       0.02    329914.30     4302.45
     0.00
  SQUAW CREEK   SC              22534.6*       Max WS      5485.51      639.15
760.31                    760.31     0.000000       0.02    313681.70     4086.38
     0.00
  SQUAW CREEK   SC              22488.3*       Max WS      5485.39      639.08
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760.31                    760.31     0.000000       0.02    297485.00     3877.40
     0.00
  SQUAW CREEK   SC              22442          Max WS      5485.28      639.00
760.31                    760.31     0.000000       0.03    281289.00     3674.36
     0.00
  SQUAW CREEK   SC              21993          Max WS      5484.29      638.00
760.31                    760.31     0.000000       0.02    307353.80     3990.90
     0.00
  SQUAW CREEK   SC              21307          Max WS      5482.54      635.00
760.31                    760.31     0.000000       0.02    381630.50     4754.67
     0.00
  SQUAW CREEK   SC              21209.5*       Max WS      5482.24      634.67
760.31                    760.31     0.000000       0.02    396430.80     4950.60
     0.00
  SQUAW CREEK   SC              21112.*        Max WS      5481.94      634.33
760.31                    760.31     0.000000       0.02    411328.50     5149.54
     0.00
  SQUAW CREEK   SC              21014.5*       Max WS      5481.64      634.00
760.31                    760.31     0.000000       0.02    426299.60     5351.86
     0.00
  SQUAW CREEK   SC              20917.*        Max WS      5481.33      633.67
760.31                    760.31     0.000000       0.02    441381.30     5566.81
     0.00
  SQUAW CREEK   SC              20819.5*       Max WS      5481.02      633.33
760.31                    760.31     0.000000       0.02    456646.80     5812.43
     0.00
  SQUAW CREEK   SC              20722.*        Max WS      5480.71      633.00
760.31                    760.31     0.000000       0.02    472086.70     6038.69
     0.00
  SQUAW CREEK   SC              20624.5*       Max WS      5480.40      632.67
760.31                    760.31     0.000000       0.01    487649.20     6261.69
     0.00
  SQUAW CREEK   SC              20527.*        Max WS      5480.09      632.33
760.31                    760.31     0.000000       0.01    503350.70     6483.03
     0.00
  SQUAW CREEK   SC              20429.5*       Max WS      5479.77      632.00
760.31                    760.31     0.000000       0.01    519159.10     6703.81
     0.00
  SQUAW CREEK   SC              20332.*        Max WS      5479.45      631.67
760.31                    760.31     0.000000       0.01    535114.40     6925.00
     0.00
  SQUAW CREEK   SC              20234.5*       Max WS      5479.14      631.33
760.31                    760.31     0.000000       0.01    551175.60     7147.30
     0.00
  SQUAW CREEK   SC              20137          Max WS      5478.82      631.00
760.31                    760.31     0.000000       0.02    371752.20     7371.44
     0.00
  SQUAW CREEK   SC              19802          Max WS      5477.91      630.00
760.31                    760.31     0.000000       0.02    358919.70     4148.73
     0.00
  SQUAW CREEK   SC              19213          Max WS      5476.77      629.00
760.31                    760.31     0.000000       0.02    367575.70     4109.48
     0.00
  SQUAW CREEK   SC              18923          Max WS      5476.27      628.00
760.31                    760.31     0.000000       0.01    480826.60     4987.94
     0.00
  SQUAW CREEK   SC              18864          Max WS      5476.12      626.00
760.31                    760.31     0.000000       0.01    526855.40     5800.00
     0.00
  SQUAW CREEK   SC              18691.3*       Max WS      5475.50      624.00
760.31                    760.31     0.000000       0.01    668993.80     7466.67
     0.00
  SQUAW CREEK   SC              18518.6*       Max WS      5474.76      622.00
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760.31                    760.31     0.000000       0.01    804591.50     9133.33
     0.00
  SQUAW CREEK   SC              18346          Max WS      5473.92      620.00
760.31                    760.31     0.000000       0.01    933621.10    10788.93
     0.00
  SQUAW CREEK   SC              17925          Max WS      5471.99      618.00
760.31                    760.31     0.000000       0.01    904781.00     9113.88
     0.00
  SQUAW CREEK   SC              17511          Max WS      5470.45      617.00
760.31                    760.31     0.000000       0.01    937822.50     9951.95
     0.00
  SQUAW CREEK   SC              17070          Max WS      5468.75      616.00
760.31                    760.31     0.000000       0.01   1256658.00    13327.85
     0.00
  SQUAW CREEK   SC              16659          Max WS      5466.87      612.00
760.31                    760.31     0.000000       0.01   1086170.00    10980.54
     0.00
  SQUAW CREEK   SC              16167          Max WS      5464.68      611.00
760.31                    760.31     0.000000       0.01   1096824.00    10379.41
     0.00
  SQUAW CREEK   SC              15599          Max WS      5462.62      610.00
760.31                    760.31     0.000000       0.01   1163595.00    10669.61
     0.00
  SQUAW CREEK   SC              14801          Max WS      5459.81      609.00
760.31                    760.31     0.000000       0.01   1150806.00    10793.98
     0.00
  SQUAW CREEK   SC              14323          Max WS      5458.17      608.00
760.31                    760.31     0.000000       0.01   1177925.00    11048.55
     0.00
  SQUAW CREEK   SC              13921          Max WS      5457.13      607.00
760.31                    760.31     0.000000       0.01   1152378.00    10744.63
     0.00
  SQUAW CREEK   SC              13504          Max WS      5456.03      606.00
760.31                    760.31     0.000000       0.01   1130199.00    10558.48
     0.00
  SQUAW CREEK   SC              13054          Max WS      5454.86      604.00
760.31                    760.31     0.000000       0.01   1111698.00    10558.48
     0.00
  SQUAW CREEK   SC              12713          Max WS      5453.98      603.00
760.31                    760.31     0.000000       0.01   1072555.00    10186.11
     0.00
  SQUAW CREEK   SC              12301          Max WS      5452.92      601.00
760.31                    760.31     0.000000       0.01   1088596.00    10600.00
     0.00
  SQUAW CREEK   SC              11565          Max WS      5451.43      600.00
760.31                    760.31     0.000000       0.01   1155832.00    11600.00
     0.00
  SQUAW CREEK   SC              11411          Max WS      5451.15      599.00
760.31                    760.31     0.000000       0.01   1156757.00    11600.00
     0.00
  SQUAW CREEK   SC              11002          Max WS      4471.57      598.00
760.31                    760.31     0.000000       0.01   1080408.00    10800.00
     0.00
  SQUAW CREEK   SC              10578          Max WS      4435.59      597.00
760.31                    760.31     0.000000       0.01   1122682.00    10800.00
     0.00
  SQUAW CREEK   SC              10312          Max WS      4412.68      596.00
760.31                    760.31     0.000000       0.00   1189561.00    11700.00
     0.00
  SQUAW CREEK   SC              10023          Max WS      5450.29      595.00
760.31                    760.31     0.000000       0.01   1160070.00    10400.00
     0.00
  SQUAW CREEK   SC              9191           Max WS      4316.99      594.00
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760.31                  760.31     0.000000       0.00   1262848.00    11900.00
     0.00
  SQUAW CREEK   SC              8809          Max WS      4282.21      593.00
760.31                  760.31     0.000000       0.00   1444690.00    13000.00
     0.00
  SQUAW CREEK   SC              8282          Max WS      4231.04      592.00
760.31                  760.31     0.000000       0.00   1506000.00    13200.00
     0.00
  SQUAW CREEK   SC              7678          Max WS      4171.52      591.00
760.31                  760.31     0.000000       0.00   1522838.00    13000.00
     0.00
  SQUAW CREEK   SC              7370          Max WS      4141.65      590.00
760.31                  760.31     0.000000       0.00   1476976.00    12000.00
     0.00
  SQUAW CREEK   SC              6699          Max WS      4076.52      589.00
760.31                  760.31     0.000000       0.00   1572688.00    12200.00
     0.00
  SQUAW CREEK   SC              5861          Max WS      3990.30      588.00
760.31                  760.31     0.000000       0.00   1708748.00    13200.00
     0.00
  SQUAW CREEK   SC              5194          Max WS      3923.88      587.00
760.31                  760.31     0.000000       0.00   1512775.00    12000.00
     0.00
  SQUAW CREEK   SC              4720          Max WS      3879.58      585.00
760.31                  760.31     0.000000       0.00   1573623.00    13200.00
     0.00
  SQUAW CREEK   SC              4673.5*       Max WS      3875.26      584.90
760.31                  760.31     0.000000       0.00   1576551.00    13120.00
     0.00
  SQUAW CREEK   SC              4627.*        Max WS      3870.88      584.80
760.31                  760.31     0.000000       0.00   1578847.00    13040.00
     0.00
  SQUAW CREEK   SC              4580.5*       Max WS      3866.46      584.70
760.31                  760.31     0.000000       0.00   1580491.00    12960.00
     0.00
  SQUAW CREEK   SC              4534.*        Max WS      3862.04      584.60
760.31                  760.31     0.000000       0.00   1581494.00    12880.00
     0.00
  SQUAW CREEK   SC              4487.5*       Max WS      3857.60      584.50
760.31                  760.31     0.000000       0.00   1581842.00    12800.00
     0.00
  SQUAW CREEK   SC              4441.*        Max WS      3853.16      584.40
760.31                  760.31     0.000000       0.00   1581549.00    12720.00
     0.00
  SQUAW CREEK   SC              4394.5*       Max WS      3848.71      584.30
760.31                  760.31     0.000000       0.00   1580609.00    12640.00
     0.00
  SQUAW CREEK   SC              4348.*        Max WS      3844.27      584.20
760.31                  760.31     0.000000       0.00   1579042.00    12560.00
     0.00
  SQUAW CREEK   SC              4301.5*       Max WS      3839.84      584.10
760.31                  760.31     0.000000       0.00   1576817.00    12480.00
     0.00
  SQUAW CREEK   SC              4255          Max WS      3835.42      584.00
760.31                  760.31     0.000000       0.00   1573948.00    12400.00
     0.00
  SQUAW CREEK   SC              4209.5*       Max WS      3831.12      583.88
760.31                  760.31     0.000000       0.00   1571299.00    12400.00
     0.00
  SQUAW CREEK   SC              4164.*        Max WS      3826.84      583.75
760.31                  760.31     0.000000       0.00   1568646.00    12400.00
     0.00
  SQUAW CREEK   SC              4118.5*       Max WS      3822.59      583.62
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760.31                  760.31     0.000000       0.00   1565964.00    12400.00
     0.00
  SQUAW CREEK   SC             4073.*        Max WS      3818.35      583.50
760.31                  760.31     0.000000       0.00   1563277.00    12400.00
     0.00
  SQUAW CREEK   SC             4027.5*       Max WS      3814.14      583.38
760.31                  760.31     0.000000       0.00   1560560.00    12400.00
     0.00
  SQUAW CREEK   SC             3982.*        Max WS      3809.95      583.25
760.31                  760.31     0.000000       0.00   1557841.00    12400.00
     0.00
  SQUAW CREEK   SC             3936.5*       Max WS      3805.77      583.12
760.31                  760.31     0.000000       0.00   1555098.00    12400.00
     0.00
  SQUAW CREEK   SC             3891          Max WS      3801.62      583.00
760.31                  760.31     0.000000       0.00   1552348.00    12400.00
     0.00
  SQUAW CREEK   SC             3443          Max WS      3758.69      582.00
760.31                  760.31     0.000000       0.00   1648944.00    13200.00
     0.00
  SQUAW CREEK   SC             3300          Max WS      3744.63      580.00
760.31                  760.31     0.000000       0.00   1637495.00    13200.00
     0.00
  SQUAW CREEK   SC             3057          Max WS      3720.90      579.00
760.31                  760.31     0.000000       0.00   1682469.00    13600.00
     0.00
  SQUAW CREEK   SC             2930          Max WS      3708.33      578.00
760.31                  760.31     0.000000       0.00   1680419.00    13600.00
     0.00
  SQUAW CREEK   SC             2688          Max WS      3684.22      577.00
760.31                  760.31     0.000000       0.00   1739268.00    14000.00
     0.00
  SQUAW CREEK   SC             2449          Max WS      3660.15      576.00
760.31                  760.31     0.000000       0.00   1731318.00    13600.00
     0.00
  SQUAW CREEK   SC             2196          Max WS      3634.47      575.00
760.31                  760.31     0.000000       0.00   1729993.00    13600.00
     0.00
  SQUAW CREEK   SC             2171.*        Max WS      3631.91      574.90
760.31                  760.31     0.000000       0.00   1738350.00    13680.00
     0.00
  SQUAW CREEK   SC             2146.*        Max WS      3629.34      574.80
760.31                  760.31     0.000000       0.00   1746650.00    13760.00
     0.00
  SQUAW CREEK   SC             2121.*        Max WS      3626.76      574.70
760.31                  760.31     0.000000       0.00   1754898.00    13840.00
     0.00
  SQUAW CREEK   SC             2096.*        Max WS      3624.18      574.60
760.31                  760.31     0.000000       0.00   1763085.00    13920.00
     0.00
  SQUAW CREEK   SC             2071.*        Max WS      3621.60      574.50
760.31                  760.31     0.000000       0.00   1771221.00    14000.00
     0.00
  SQUAW CREEK   SC             2046.*        Max WS      3619.02      574.40
760.31                  760.31     0.000000       0.00   1779313.00    14080.00
     0.00
  SQUAW CREEK   SC             2021.*        Max WS      3616.47      574.30
760.31                  760.31     0.000000       0.00   1787334.00    14160.00
     0.00
  SQUAW CREEK   SC             1996.*        Max WS      3613.93      574.20
760.31                  760.31     0.000000       0.00   1795295.00    14240.00
     0.00
  SQUAW CREEK   SC             1971.*        Max WS      3611.40      574.10
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760.31                    760.31     0.000000       0.00   1803212.00    14320.00
     0.00
  SQUAW CREEK   SC              1946          Max WS      3608.87      574.00
760.31                    760.31     0.000000       0.00   1811066.00    14400.00
     0.00
  SQUAW CREEK   SC              1941.04*      Max WS      3608.37      573.98
760.31                    760.31     0.000000       0.00   1811485.00    14401.23
     0.00
  SQUAW CREEK   SC              1936.09*      Max WS      3607.87      573.95
760.31                    760.31     0.000000       0.00   1811896.00    14402.47
     0.00
  SQUAW CREEK   SC              1931.14*      Max WS      3607.36      573.93
760.31                    760.31     0.000000       0.00   1812310.00    14403.70
     0.00
  SQUAW CREEK   SC              1926.19*      Max WS      3606.86      573.90
760.31                    760.31     0.000000       0.00   1812734.00    14404.94
     0.00
  SQUAW CREEK   SC              1921.24*      Max WS      3606.36      573.88
760.31                    760.31     0.000000       0.00   1813143.00    14406.17
     0.00
  SQUAW CREEK   SC              1916.29*      Max WS      3605.86      573.85
760.31                    760.31     0.000000       0.00   1813564.00    14407.41
     0.00
  SQUAW CREEK   SC              1911.34*      Max WS      3605.36      573.83
760.31                    760.31     0.000000       0.00   1813986.00    14408.64
     0.00
  SQUAW CREEK   SC              1906.39*      Max WS      3604.86      573.80
760.31                    760.31     0.000000       0.00   1814398.00    14409.88
     0.00
  SQUAW CREEK   SC              1901.44*      Max WS      3604.36      573.78
760.31                    760.31     0.000000       0.00   1814816.00    14411.11
     0.00
  SQUAW CREEK   SC              1896.49*      Max WS      3603.86      573.75
760.31                    760.31     0.000000       0.00   1815236.00    14412.35
     0.00
  SQUAW CREEK   SC              1891.54*      Max WS      3603.36      573.73
760.31                    760.31     0.000000       0.00   1815645.00    14413.58
     0.00
  SQUAW CREEK   SC              1886.59*      Max WS      3602.86      573.70
760.31                    760.31     0.000000       0.00   1816066.00    14414.81
     0.00
  SQUAW CREEK   SC              1881.64*      Max WS      3602.36      573.68
760.31                    760.31     0.000000       0.00   1816489.00    14416.05
     0.00
  SQUAW CREEK   SC              1876.69*      Max WS      3601.85      573.65
760.31                    760.31     0.000000       0.00   1816909.00    14417.28
     0.00
  SQUAW CREEK   SC              1871.74*      Max WS      3601.35      573.63
760.31                    760.31     0.000000       0.00   1817322.00    14418.52
     0.00
  SQUAW CREEK   SC              1866.79*      Max WS      3600.85      573.60
760.31                    760.31     0.000000       0.00   1817744.00    14419.75
     0.00
  SQUAW CREEK   SC              1861.83*      Max WS      3600.35      573.58
760.31                    760.31     0.000000       0.00   1818166.00    14420.99
     0.00
  SQUAW CREEK   SC              1856.88*      Max WS      3599.85      573.56
760.31                    760.31     0.000000       0.00   1818577.00    14422.22
     0.00
  SQUAW CREEK   SC              1851.93*      Max WS      3599.35      573.53
760.31                    760.31     0.000000       0.00   1819000.00    14423.46
     0.00
  SQUAW CREEK   SC              1846.98*      Max WS      3598.87      573.51
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760.31                    760.31     0.000000       0.00   1819423.00    14424.69
     0.00
  SQUAW CREEK   SC              1842.03*      Max WS      3598.38      573.48
760.31                    760.31     0.000000       0.00   1819838.00    14425.93
     0.00
  SQUAW CREEK   SC              1837.08*      Max WS      3597.89      573.46
760.31                    760.31     0.000000       0.00   1820258.00    14427.16
     0.00
  SQUAW CREEK   SC              1832.13*      Max WS      3597.40      573.43
760.31                    760.31     0.000000       0.00   1820683.00    14428.40
     0.00
  SQUAW CREEK   SC              1827.18*      Max WS      3596.91      573.41
760.31                    760.31     0.000000       0.00   1821100.00    14429.63
     0.00
  SQUAW CREEK   SC              1822.23*      Max WS      3596.42      573.38
760.31                    760.31     0.000000       0.00   1821521.00    14430.86
     0.00
  SQUAW CREEK   SC              1817.28*      Max WS      3595.93      573.36
760.31                    760.31     0.000000       0.00   1821947.00    14432.10
     0.00
  SQUAW CREEK   SC              1812.33*      Max WS      3595.44      573.33
760.31                    760.31     0.000000       0.00   1822358.00    14433.33
     0.00
  SQUAW CREEK   SC              1807.38*      Max WS      3594.95      573.31
760.31                    760.31     0.000000       0.00   1822781.00    14434.57
     0.00
  SQUAW CREEK   SC              1802.43*      Max WS      3594.47      573.28
760.31                    760.31     0.000000       0.00   1823205.00    14435.80
     0.00
  SQUAW CREEK   SC              1797.48*      Max WS      3593.98      573.26
760.31                    760.31     0.000000       0.00   1823617.00    14437.04
     0.00
  SQUAW CREEK   SC              1792.53*      Max WS      3593.49      573.23
760.31                    760.31     0.000000       0.00   1824045.00    14438.27
     0.00
  SQUAW CREEK   SC              1787.58*      Max WS      3592.99      573.21
760.31                    760.31     0.000000       0.00   1824465.00    14439.51
     0.00
  SQUAW CREEK   SC              1782.63*      Max WS      3592.49      573.19
760.31                    760.31     0.000000       0.00   1824883.00    14440.74
     0.00
  SQUAW CREEK   SC              1777.67*      Max WS      3591.98      573.16
760.31                    760.31     0.000000       0.00   1825311.00    14441.98
     0.00
  SQUAW CREEK   SC              1772.72*      Max WS      3591.48      573.14
760.31                    760.31     0.000000       0.00   1825733.00    14443.21
     0.00
  SQUAW CREEK   SC              1767.77*      Max WS      3590.98      573.11
760.31                    760.31     0.000000       0.00   1826161.00    14444.44
     0.00
  SQUAW CREEK   SC              1762.82*      Max WS      3590.47      573.09
760.31                    760.31     0.000000       0.00   1826575.00    14445.68
     0.00
  SQUAW CREEK   SC              1757.87*      Max WS      3589.97      573.06
760.31                    760.31     0.000000       0.00   1827000.00    14446.91
     0.00
  SQUAW CREEK   SC              1752.92*      Max WS      3589.47      573.04
760.31                    760.31     0.000000       0.00   1827425.00    14448.15
     0.00
  SQUAW CREEK   SC              1747.97*      Max WS      3588.96      573.01
760.31                    760.31     0.000000       0.00   1827843.00    14449.38
     0.00
  SQUAW CREEK   SC              1743.02*      Max WS      3588.46      572.99
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760.31                    760.31     0.000000       0.00   1828269.00    14450.62
     0.00
  SQUAW CREEK   SC              1738.07*      Max WS      3587.96      572.96
760.31                    760.31     0.000000       0.00   1828697.00    14451.85
     0.00
  SQUAW CREEK   SC              1733.12*      Max WS      3587.46      572.94
760.31                    760.31     0.000000       0.00   1829113.00    14453.09
     0.00
  SQUAW CREEK   SC              1728.17*      Max WS      3586.95      572.91
760.31                    760.31     0.000000       0.00   1829542.00    14454.32
     0.00
  SQUAW CREEK   SC              1723.22*      Max WS      3586.45      572.89
760.31                    760.31     0.000000       0.00   1829967.00    14455.56
     0.00
  SQUAW CREEK   SC              1718.27*      Max WS      3585.95      572.86
760.31                    760.31     0.000000       0.00   1830388.00    14456.79
     0.00
  SQUAW CREEK   SC              1713.32*      Max WS      3585.44      572.84
760.31                    760.31     0.000000       0.00   1830816.00    14458.02
     0.00
  SQUAW CREEK   SC              1708.37*      Max WS      3584.94      572.81
760.31                    760.31     0.000000       0.00   1831240.00    14459.26
     0.00
  SQUAW CREEK   SC              1703.42*      Max WS      3584.44      572.79
760.31                    760.31     0.000000       0.00   1831659.00    14460.49
     0.00
  SQUAW CREEK   SC              1698.46*      Max WS      3583.94      572.77
760.31                    760.31     0.000000       0.00   1832083.00    14461.73
     0.00
  SQUAW CREEK   SC              1693.51*      Max WS      3583.43      572.74
760.31                    760.31     0.000000       0.00   1832512.00    14462.96
     0.00
  SQUAW CREEK   SC              1688.56*      Max WS      3582.93      572.72
760.31                    760.31     0.000000       0.00   1832931.00    14464.20
     0.00
  SQUAW CREEK   SC              1683.61*      Max WS      3582.43      572.69
760.31                    760.31     0.000000       0.00   1833364.00    14465.43
     0.00
  SQUAW CREEK   SC              1678.66*      Max WS      3581.93      572.67
760.31                    760.31     0.000000       0.00   1833789.00    14466.67
     0.00
  SQUAW CREEK   SC              1673.71*      Max WS      3581.42      572.64
760.31                    760.31     0.000000       0.00   1834208.00    14467.90
     0.00
  SQUAW CREEK   SC              1668.76*      Max WS      3580.92      572.62
760.31                    760.31     0.000000       0.00   1834636.00    14469.14
     0.00
  SQUAW CREEK   SC              1663.81*      Max WS      3580.42      572.59
760.31                    760.31     0.000000       0.00   1835068.00    14470.37
     0.00
  SQUAW CREEK   SC              1658.86*      Max WS      3579.92      572.57
760.31                    760.31     0.000000       0.00   1835488.00    14471.60
     0.00
  SQUAW CREEK   SC              1653.91*      Max WS      3579.41      572.54
760.31                    760.31     0.000000       0.00   1835919.00    14472.84
     0.00
  SQUAW CREEK   SC              1648.96*      Max WS      3578.91      572.52
760.31                    760.31     0.000000       0.00   1836346.00    14474.07
     0.00
  SQUAW CREEK   SC              1644.01*      Max WS      3578.41      572.49
760.31                    760.31     0.000000       0.00   1836779.00    14475.31
     0.00
  SQUAW CREEK   SC              1639.06*      Max WS      3577.91      572.47
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760.31                    760.31     0.000000       0.00   1837197.00    14476.54
     0.00
  SQUAW CREEK   SC              1634.11*      Max WS      3577.40      572.44
760.31                    760.31     0.000000       0.00   1837631.00    14477.78
     0.00
  SQUAW CREEK   SC              1629.16*      Max WS      3576.90      572.42
760.31                    760.31     0.000000       0.00   1838056.00    14479.01
     0.00
  SQUAW CREEK   SC              1624.21*      Max WS      3576.40      572.40
760.31                    760.31     0.000000       0.00   1838479.00    14480.25
     0.00
  SQUAW CREEK   SC              1619.25*      Max WS      3575.90      572.37
760.31                    760.31     0.000000       0.00   1838913.00    14481.48
     0.00
  SQUAW CREEK   SC              1614.30*      Max WS      3575.40      572.35
760.31                    760.31     0.000000       0.00   1839336.00    14482.72
     0.00
  SQUAW CREEK   SC              1609.35*      Max WS      3574.90      572.32
760.31                    760.31     0.000000       0.00   1839760.00    14483.95
     0.00
  SQUAW CREEK   SC              1604.40*      Max WS      3574.39      572.30
760.31                    760.31     0.000000       0.00   1840191.00    14485.19
     0.00
  SQUAW CREEK   SC              1599.45*      Max WS      3573.89      572.27
760.31                    760.31     0.000000       0.00   1840626.00    14486.42
     0.00
  SQUAW CREEK   SC              1594.50*      Max WS      3573.39      572.25
760.31                    760.31     0.000000       0.00   1841048.00    14487.65
     0.00
  SQUAW CREEK   SC              1589.55*      Max WS      3572.89      572.22
760.31                    760.31     0.000000       0.00   1841480.00    14488.89
     0.00
  SQUAW CREEK   SC              1584.60*      Max WS      3572.39      572.20
760.31                    760.31     0.000000       0.00   1841909.00    14490.12
     0.00
  SQUAW CREEK   SC              1579.65*      Max WS      3571.89      572.17
760.31                    760.31     0.000000       0.00   1842334.00    14491.36
     0.00
  SQUAW CREEK   SC              1574.70*      Max WS      3571.39      572.15
760.31                    760.31     0.000000       0.00   1842766.00    14492.59
     0.00
  SQUAW CREEK   SC              1569.75*      Max WS      3570.89      572.12
760.31                    760.31     0.000000       0.00   1843201.00    14493.83
     0.00
  SQUAW CREEK   SC              1564.80*      Max WS      3570.38      572.10
760.31                    760.31     0.000000       0.00   1843623.00    14495.06
     0.00
  SQUAW CREEK   SC              1559.85*      Max WS      3569.88      572.07
760.31                    760.31     0.000000       0.00   1844057.00    14496.30
     0.00
  SQUAW CREEK   SC              1554.90*      Max WS      3569.38      572.05
760.31                    760.31     0.000000       0.00   1844490.00    14497.53
     0.00
  SQUAW CREEK   SC              1549.95*      Max WS      3568.88      572.02
760.31                    760.31     0.000000       0.00   1844914.00    14498.77
     0.00
  SQUAW CREEK   SC              1545          Max WS      3568.38      572.00
760.31                    760.31     0.000000       0.00   1845347.00    14500.00
     0.00
  SQUAW CREEK   SC              1535.26*      Max WS      3567.40      571.97
760.31                    760.31     0.000000       0.00   1849109.00    14529.41
     0.00
  SQUAW CREEK   SC              1525.52*      Max WS      3566.41      571.94
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760.31                    760.31     0.000000       0.00   1852888.00    14558.82
     0.00
  SQUAW CREEK   SC              1515.79*      Max WS      3565.42      571.91
760.31                    760.31     0.000000       0.00   1856643.00    14588.24
     0.00
  SQUAW CREEK   SC              1506.05*      Max WS      3564.43      571.88
760.31                    760.31     0.000000       0.00   1860401.00    14617.65
     0.00
  SQUAW CREEK   SC              1496.32*      Max WS      3563.44      571.85
760.31                    760.31     0.000000       0.00   1864153.00    14647.06
     0.00
  SQUAW CREEK   SC              1486.58*      Max WS      3562.44      571.82
760.31                    760.31     0.000000       0.00   1867901.00    14676.47
     0.00
  SQUAW CREEK   SC              1476.85*      Max WS      3561.45      571.79
760.31                    760.31     0.000000       0.00   1871636.00    14705.88
     0.00
  SQUAW CREEK   SC              1467.11*      Max WS      3560.45      571.76
760.31                    760.31     0.000000       0.00   1875371.00    14735.29
     0.00
  SQUAW CREEK   SC              1457.38*      Max WS      3559.45      571.74
760.31                    760.31     0.000000       0.00   1879102.00    14764.71
     0.00
  SQUAW CREEK   SC              1447.64*      Max WS      3558.45      571.71
760.31                    760.31     0.000000       0.00   1882827.00    14794.12
     0.00
  SQUAW CREEK   SC              1437.91*      Max WS      3557.45      571.68
760.31                    760.31     0.000000       0.00   1886543.00    14823.53
     0.00
  SQUAW CREEK   SC              1428.17*      Max WS      3556.45      571.65
760.31                    760.31     0.000000       0.00   1890254.00    14852.94
     0.00
  SQUAW CREEK   SC              1418.44*      Max WS      3555.45      571.62
760.31                    760.31     0.000000       0.00   1893959.00    14882.35
     0.00
  SQUAW CREEK   SC              1408.70*      Max WS      3554.44      571.59
760.31                    760.31     0.000000       0.00   1897670.00    14911.76
     0.00
  SQUAW CREEK   SC              1398.97*      Max WS      3553.44      571.56
760.31                    760.31     0.000000       0.00   1901366.00    14941.18
     0.00
  SQUAW CREEK   SC              1389.23*      Max WS      3552.43      571.53
760.31                    760.31     0.000000       0.00   1905044.00    14970.59
     0.00
  SQUAW CREEK   SC              1379.5*       Max WS      3551.42      571.50
760.31                    760.31     0.000000       0.00   1908737.00    15000.00
     0.00
  SQUAW CREEK   SC              1369.76*      Max WS      3550.41      571.47
760.31                    760.31     0.000000       0.00   1912418.00    15029.41
     0.00
  SQUAW CREEK   SC              1360.02*      Max WS      3549.40      571.44
760.31                    760.31     0.000000       0.00   1916106.00    15058.82
     0.00
  SQUAW CREEK   SC              1350.29*      Max WS      3548.38      571.41
760.31                    760.31     0.000000       0.00   1919773.00    15088.24
     0.00
  SQUAW CREEK   SC              1340.55*      Max WS      3547.37      571.38
760.31                    760.31     0.000000       0.00   1923441.00    15117.65
     0.00
  SQUAW CREEK   SC              1330.82*      Max WS      3546.35      571.35
760.31                    760.31     0.000000       0.00   1927093.00    15147.06
     0.00
  SQUAW CREEK   SC              1321.08*      Max WS      3545.34      571.32
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760.31                    760.31     0.000000       0.00   1930743.00    15176.47
     0.00
  SQUAW CREEK   SC              1311.35*      Max WS      3544.32      571.29
760.31                    760.31     0.000000       0.00   1934398.00    15205.88
     0.00
  SQUAW CREEK   SC              1301.61*      Max WS      3543.30      571.26
760.31                    760.31     0.000000       0.00   1938044.00    15235.29
     0.00
  SQUAW CREEK   SC              1291.88*      Max WS      3542.28      571.24
760.31                    760.31     0.000000       0.00   1941679.00    15264.71
     0.00
  SQUAW CREEK   SC              1282.14*      Max WS      3541.26      571.21
760.31                    760.31     0.000000       0.00   1945321.00    15294.12
     0.00
  SQUAW CREEK   SC              1272.41*      Max WS      3540.24      571.18
760.31                    760.31     0.000000       0.00   1948944.00    15323.53
     0.00
  SQUAW CREEK   SC              1262.67*      Max WS      3539.22      571.15
760.31                    760.31     0.000000       0.00   1952575.00    15352.94
     0.00
  SQUAW CREEK   SC              1252.94*      Max WS      3538.20      571.12
760.31                    760.31     0.000000       0.00   1956194.00    15382.35
     0.00
  SQUAW CREEK   SC              1243.20*      Max WS      3537.17      571.09
760.31                    760.31     0.000000       0.00   1959801.00    15411.76
     0.00
  SQUAW CREEK   SC              1233.47*      Max WS      3536.15      571.06
760.31                    760.31     0.000000       0.00   1963407.00    15441.18
     0.00
  SQUAW CREEK   SC              1223.73*      Max WS      3535.12      571.03
760.31                    760.31     0.000000       0.00   1967015.00    15470.59
     0.00
  SQUAW CREEK   SC              1214          Max WS      3534.09      571.00
760.31                    760.31     0.000000       0.00   1970607.00    15500.00
     0.00
  SQUAW CREEK   SC              1211.05*      Max WS      6934.38      570.94
760.31                    760.31     0.000000       0.00   1970625.00    15500.00
     0.00
  SQUAW CREEK   SC              1208.11*      Max WS      6934.07      570.88
760.31                    760.31     0.000000       0.00   1970643.00    15500.00
     0.00
  SQUAW CREEK   SC              1205.17*      Max WS      6933.76      570.82
760.31                    760.31     0.000000       0.00   1970661.00    15500.00
     0.00
  SQUAW CREEK   SC              1202.23*      Max WS      6933.45      570.76
760.31                    760.31     0.000000       0.00   1970679.00    15500.00
     0.00
  SQUAW CREEK   SC              1199.29*      Max WS      6933.14      570.71
760.31                    760.31     0.000000       0.00   1970694.00    15500.00
     0.00
  SQUAW CREEK   SC              1196.35*      Max WS      6932.83      570.65
760.31                    760.31     0.000000       0.00   1970712.00    15500.00
     0.00
  SQUAW CREEK   SC              1193.41*      Max WS      6932.52      570.59
760.31                    760.31     0.000000       0.00   1970730.00    15500.00
     0.00
  SQUAW CREEK   SC              1190.47*      Max WS      6932.21      570.53
760.31                    760.31     0.000000       0.00   1970748.00    15500.00
     0.00
  SQUAW CREEK   SC              1187.52*      Max WS      6931.90      570.47
760.31                    760.31     0.000000       0.00   1970766.00    15500.00
     0.00
  SQUAW CREEK   SC              1184.58*      Max WS      6931.60      570.41
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760.31                  760.31     0.000000       0.00   1970784.00    15500.00
     0.00
  SQUAW CREEK   SC             1181.64*      Max WS      6931.29      570.35
760.31                  760.31     0.000000       0.00   1970802.00    15500.00
     0.00
  SQUAW CREEK   SC             1178.70*      Max WS      6930.98      570.29
760.31                  760.31     0.000000       0.00   1970820.00    15500.00
     0.00
  SQUAW CREEK   SC             1175.76*      Max WS      6930.67      570.24
760.31                  760.31     0.000000       0.00   1970835.00    15500.00
     0.00
  SQUAW CREEK   SC             1172.82*      Max WS      6930.36      570.18
760.31                  760.31     0.000000       0.00   1970853.00    15500.00
     0.00
  SQUAW CREEK   SC             1169.88*      Max WS      6930.05      570.12
760.31                  760.31     0.000000       0.00   1970871.00    15500.00
     0.00
  SQUAW CREEK   SC             1166.94*      Max WS      6929.75      570.06
760.31                  760.31     0.000000       0.00   1970887.00    15500.00
     0.00
  SQUAW CREEK   SC             1164          Max WS      6929.43      570.00
760.31                  760.31     0.000000       0.00   1970905.00    15500.00
     0.00
  PALUXY        PALUXY RIVER   25092         Max WS    944429.50      612.00
762.76                  762.84     0.000103       2.74    440277.90     4400.00
     0.04
  PALUXY        PALUXY RIVER   22745         Max WS    944236.50      608.00
762.38                  762.46     0.000103       2.73    445364.00     4600.00
     0.04
  PALUXY        PALUXY RIVER   21047         Max WS    944112.10      605.00
761.69                  761.75     0.000088       2.59    483153.20     5200.00
     0.04
  PALUXY        PALUXY RIVER   19331         Max WS    944033.30      602.00
761.19                  761.23     0.000054       2.06    612232.40     6300.00
     0.03
  PALUXY        PALUXY RIVER   17277         Max WS    943971.80      595.00
760.96                  761.01     0.000058       2.15    570699.40     5600.00
     0.03
  PALUXY        PALUXY RIVER   15741         Max WS    943938.80      593.00
760.77                  760.82     0.000067       2.38    546632.30     5600.00
     0.03
  PALUXY        PALUXY RIVER   14471         Max WS    943916.20      590.00
760.66                  760.70     0.000048       2.04    587442.30     5200.00
     0.03
  PALUXY        PALUXY RIVER   14325.1*      Max WS    943913.40      589.71
760.66                  760.69     0.000042       1.91    624655.80     5492.86
     0.03
  PALUXY        PALUXY RIVER   14179.2*      Max WS    943910.30      589.43
760.65                  760.68     0.000037       1.80    663078.30     5785.71
     0.02
  PALUXY        PALUXY RIVER   14033.4*      Max WS    943906.70      589.14
760.65                  760.68     0.000033       1.69    702715.40     6078.57
     0.02
  PALUXY        PALUXY RIVER   13887.5*      Max WS    943902.90      588.86
760.64                  760.67     0.000029       1.60    743547.50     6371.43
     0.02
  PALUXY        PALUXY RIVER   13741.7*      Max WS    943898.80      588.57
760.64                  760.66     0.000026       1.50    785597.30     6664.29
     0.02
  PALUXY        PALUXY RIVER   13595.8*      Max WS    943894.30      588.29
760.64                  760.66     0.000023       1.42    828858.50     6957.14
     0.02
  PALUXY        PALUXY RIVER   13450         Max WS    943889.40      588.00
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760.63                  760.65     0.000020       1.34    873332.00     7250.00
     0.02
  PALUXY        PALUXY RIVER   12129         Max WS    943838.40      583.00
760.60                  760.61     0.000015       1.15    986541.20     8074.64
     0.02
  PALUXY        PALUXY RIVER   11391         Max WS    943807.40      582.00
760.58                  760.59     0.000016       1.21    913983.10     6850.00
     0.02
  PALUXY        PALUXY RIVER   11366.1*      Max WS    943806.30      581.97
760.58                  760.59     0.000016       1.21    914628.90     6868.50
     0.02
  PALUXY        PALUXY RIVER   11341.3*      Max WS    943805.30      581.94
760.58                  760.59     0.000016       1.21    915292.90     6887.00
     0.02
  PALUXY        PALUXY RIVER   11316.4*      Max WS    943804.30      581.91
760.58                  760.59     0.000016       1.21    915972.40     6905.50
     0.02
  PALUXY        PALUXY RIVER   11291.6*      Max WS    943803.30      581.88
760.58                  760.59     0.000016       1.21    916669.80     6924.00
     0.02
  PALUXY        PALUXY RIVER   11266.8*      Max WS    943802.30      581.85
760.57                  760.59     0.000016       1.21    917388.80     6942.50
     0.02
  PALUXY        PALUXY RIVER   11241.9*      Max WS    943801.20      581.82
760.57                  760.59     0.000016       1.21    918124.40     6961.00
     0.02
  PALUXY        PALUXY RIVER   11217.1*      Max WS    943800.10      581.79
760.57                  760.59     0.000016       1.21    918879.20     6979.50
     0.02
  PALUXY        PALUXY RIVER   11192.2*      Max WS    943799.10      581.76
760.57                  760.59     0.000016       1.21    919641.60     6998.00
     0.02
  PALUXY        PALUXY RIVER   11167.4*      Max WS    943798.10      581.73
760.57                  760.59     0.000016       1.21    920434.80     7016.50
     0.02
  PALUXY        PALUXY RIVER   11142.6*      Max WS    943797.00      581.70
760.57                  760.59     0.000016       1.21    921241.20     7035.00
     0.02
  PALUXY        PALUXY RIVER   11117.7*      Max WS    943795.90      581.67
760.57                  760.59     0.000016       1.21    922064.80     7053.50
     0.02
  PALUXY        PALUXY RIVER   11092.9*      Max WS    943794.90      581.64
760.57                  760.59     0.000016       1.21    922904.50     7072.00
     0.02
  PALUXY        PALUXY RIVER   11068.0*      Max WS    943793.80      581.61
760.57                  760.59     0.000016       1.21    923759.80     7090.50
     0.02
  PALUXY        PALUXY RIVER   11043.2*      Max WS    943792.80      581.58
760.57                  760.59     0.000016       1.21    924637.80     7109.00
     0.02
  PALUXY        PALUXY RIVER   11018.4*      Max WS    943791.60      581.55
760.57                  760.59     0.000016       1.21    925534.00     7127.50
     0.02
  PALUXY        PALUXY RIVER   10993.5*      Max WS    943790.60      581.52
760.57                  760.58     0.000016       1.21    926448.90     7146.00
     0.02
  PALUXY        PALUXY RIVER   10968.7*      Max WS    943789.50      581.49
760.57                  760.58     0.000016       1.21    927373.00     7164.50
     0.02
  PALUXY        PALUXY RIVER   10943.8*      Max WS    943788.40      581.46
760.57                  760.58     0.000016       1.21    928323.50     7183.00
     0.02
  PALUXY        PALUXY RIVER   10919.0*      Max WS    943787.30      581.43
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760.57                  760.58     0.000016       1.21    929289.30     7201.50
     0.02
  PALUXY        PALUXY RIVER   10894.2*      Max WS    943786.20      581.40
760.57                  760.58     0.000016       1.21    930271.70     7220.00
     0.02
  PALUXY        PALUXY RIVER   10869.3*      Max WS    943785.10      581.37
760.56                  760.58     0.000016       1.21    931276.50     7238.50
     0.02
  PALUXY        PALUXY RIVER   10844.5*      Max WS    943784.00      581.34
760.56                  760.58     0.000016       1.21    932288.00     7257.00
     0.02
  PALUXY        PALUXY RIVER   10819.6*      Max WS    943782.90      581.31
760.56                  760.58     0.000016       1.21    933325.60     7275.50
     0.02
  PALUXY        PALUXY RIVER   10794.8*      Max WS    943781.80      581.28
760.56                  760.58     0.000016       1.21    934378.60     7294.00
     0.02
  PALUXY        PALUXY RIVER   10770.*       Max WS    943780.70      581.25
760.56                  760.58     0.000016       1.21    935451.60     7312.50
     0.02
  PALUXY        PALUXY RIVER   10745.1*      Max WS    943779.60      581.22
760.56                  760.58     0.000016       1.21    936545.90     7331.00
     0.02
  PALUXY        PALUXY RIVER   10720.3*      Max WS    943778.40      581.19
760.56                  760.58     0.000016       1.21    937651.40     7349.50
     0.02
  PALUXY        PALUXY RIVER   10695.4*      Max WS    943777.30      581.16
760.56                  760.58     0.000016       1.21    938773.00     7368.00
     0.02
  PALUXY        PALUXY RIVER   10670.6*      Max WS    943776.10      581.13
760.56                  760.58     0.000016       1.21    939917.40     7386.50
     0.02
  PALUXY        PALUXY RIVER   10645.8*      Max WS    943775.00      581.10
760.56                  760.58     0.000016       1.21    941080.30     7405.00
     0.02
  PALUXY        PALUXY RIVER   10620.9*      Max WS    943773.90      581.07
760.56                  760.57     0.000016       1.21    942261.90     7423.50
     0.02
  PALUXY        PALUXY RIVER   10596.1*      Max WS    943772.70      581.04
760.56                  760.57     0.000016       1.21    943454.60     7442.00
     0.02
  PALUXY        PALUXY RIVER   10571.2*      Max WS    943771.50      581.01
760.56                  760.57     0.000016       1.21    944667.10     7460.50
     0.02
  PALUXY        PALUXY RIVER   10546.4*      Max WS    943770.30      580.98
760.56                  760.57     0.000016       1.21    945900.80     7479.00
     0.02
  PALUXY        PALUXY RIVER   10521.6*      Max WS    943769.10      580.95
760.56                  760.57     0.000016       1.21    947152.00     7497.50
     0.02
  PALUXY        PALUXY RIVER   10496.7*      Max WS    943767.90      580.92
760.56                  760.57     0.000016       1.21    948419.60     7516.00
     0.02
  PALUXY        PALUXY RIVER   10471.9*      Max WS    943766.70      580.89
760.55                  760.57     0.000016       1.21    949700.50     7534.50
     0.02
  PALUXY        PALUXY RIVER   10447.0*      Max WS    943765.50      580.86
760.55                  760.57     0.000016       1.21    951005.10     7553.00
     0.02
  PALUXY        PALUXY RIVER   10422.2*      Max WS    943764.30      580.83
760.55                  760.57     0.000016       1.21    952329.30     7571.50
     0.02
  PALUXY        PALUXY RIVER   10397.4*      Max WS    943763.10      580.80
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760.55                  760.57     0.000016       1.20    953666.10     7590.00
     0.02
  PALUXY        PALUXY RIVER   10372.5*      Max WS    943761.80      580.77
760.55                  760.57     0.000016       1.20    955020.00     7608.50
     0.02
  PALUXY        PALUXY RIVER   10347.7*      Max WS    943760.60      580.74
760.55                  760.57     0.000016       1.20    956391.40     7627.00
     0.02
  PALUXY        PALUXY RIVER   10322.8*      Max WS    943759.30      580.71
760.55                  760.57     0.000016       1.20    957789.70     7645.50
     0.02
  PALUXY        PALUXY RIVER   10298.0*      Max WS    943758.00      580.68
760.55                  760.57     0.000016       1.20    959197.60     7664.00
     0.02
  PALUXY        PALUXY RIVER   10273.2*      Max WS    943756.80      580.65
760.55                  760.57     0.000016       1.20    960625.90     7682.50
     0.02
  PALUXY        PALUXY RIVER   10248.3*      Max WS    943755.50      580.62
760.55                  760.56     0.000016       1.20    962071.30     7701.00
     0.02
  PALUXY        PALUXY RIVER   10223.5*      Max WS    943754.20      580.59
760.55                  760.56     0.000015       1.20    963534.90     7719.50
     0.02
  PALUXY        PALUXY RIVER   10198.6*      Max WS    943752.90      580.56
760.55                  760.56     0.000015       1.20    965019.40     7738.00
     0.02
  PALUXY        PALUXY RIVER   10173.8*      Max WS    943751.60      580.53
760.55                  760.56     0.000015       1.20    966518.10     7756.50
     0.02
  PALUXY        PALUXY RIVER   10149.*       Max WS    943750.30      580.50
760.55                  760.56     0.000015       1.20    968036.40     7775.00
     0.02
  PALUXY        PALUXY RIVER   10124.1*      Max WS    943748.90      580.47
760.55                  760.56     0.000015       1.19    969565.10     7793.50
     0.02
  PALUXY        PALUXY RIVER   10099.3*      Max WS    943747.60      580.44
760.55                  760.56     0.000015       1.19    971117.00     7812.00
     0.02
  PALUXY        PALUXY RIVER   10074.4*      Max WS    943746.30      580.41
760.55                  760.56     0.000015       1.19    972689.20     7830.50
     0.02
  PALUXY        PALUXY RIVER   10049.6*      Max WS    943744.90      580.38
760.54                  760.56     0.000015       1.19    974276.40     7849.00
     0.02
  PALUXY        PALUXY RIVER   10024.8*      Max WS    943743.50      580.35
760.54                  760.56     0.000015       1.19    975884.90     7867.50
     0.02
  PALUXY        PALUXY RIVER   9999.96*      Max WS    943742.10      580.32
760.54                  760.56     0.000015       1.19    977507.30     7886.00
     0.02
  PALUXY        PALUXY RIVER   9975.12*      Max WS    943740.80      580.29
760.54                  760.56     0.000015       1.19    979146.90     7904.50
     0.02
  PALUXY        PALUXY RIVER   9950.28*      Max WS    943739.40      580.26
760.54                  760.56     0.000015       1.19    980804.30     7923.00
     0.02
  PALUXY        PALUXY RIVER   9925.44*      Max WS    943738.00      580.23
760.54                  760.56     0.000015       1.19    982479.90     7941.50
     0.02
  PALUXY        PALUXY RIVER   9900.6*       Max WS    943736.60      580.20
760.54                  760.56     0.000015       1.18    984177.30     7960.00
     0.02
  PALUXY        PALUXY RIVER   9875.76*      Max WS    943735.20      580.17
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760.54                  760.56     0.000015       1.18    985889.00     7978.50
     0.02
  PALUXY        PALUXY RIVER   9850.92*      Max WS    943733.80      580.14
760.54                  760.55     0.000015       1.18    987617.80     7997.00
     0.02
  PALUXY        PALUXY RIVER   9826.08*      Max WS    943732.40      580.11
760.54                  760.55     0.000015       1.18    989364.40     8015.50
     0.02
  PALUXY        PALUXY RIVER   9801.24*      Max WS    943730.90      580.08
760.54                  760.55     0.000015       1.18    991133.40     8034.00
     0.02
  PALUXY        PALUXY RIVER   9776.4*       Max WS    943729.50      580.05
760.54                  760.55     0.000015       1.18    992912.60     8052.50
     0.02
  PALUXY        PALUXY RIVER   9751.56*      Max WS    943728.10      580.02
760.54                  760.55     0.000015       1.18    994715.50     8071.00
     0.02
  PALUXY        PALUXY RIVER   9726.72*      Max WS    943726.60      579.99
760.54                  760.55     0.000015       1.17    996534.60     8089.50
     0.02
  PALUXY        PALUXY RIVER   9701.88*      Max WS    943725.20      579.96
760.54                  760.55     0.000015       1.17    998368.30     8108.00
     0.02
  PALUXY        PALUXY RIVER   9677.04*      Max WS    943723.70      579.93
760.54                  760.55     0.000015       1.17   1000226.00     8126.50
     0.02
  PALUXY        PALUXY RIVER   9652.2*       Max WS    943722.30      579.90
760.54                  760.55     0.000015       1.17   1002097.00     8145.00
     0.02
  PALUXY        PALUXY RIVER   9627.36*      Max WS    943720.80      579.87
760.53                  760.55     0.000015       1.17   1003985.00     8163.50
     0.02
  PALUXY        PALUXY RIVER   9602.52*      Max WS    943719.30      579.84
760.53                  760.55     0.000015       1.17   1005894.00     8182.00
     0.02
  PALUXY        PALUXY RIVER   9577.68*      Max WS    943717.80      579.81
760.53                  760.55     0.000014       1.16   1007826.00     8200.50
     0.02
  PALUXY        PALUXY RIVER   9552.84*      Max WS    943716.30      579.78
760.53                  760.55     0.000014       1.16   1009766.00     8219.00
     0.02
  PALUXY        PALUXY RIVER   9528.00*      Max WS    943714.80      579.75
760.53                  760.55     0.000014       1.16   1011723.00     8237.50
     0.02
  PALUXY        PALUXY RIVER   9503.16*      Max WS    943713.30      579.72
760.53                  760.55     0.000014       1.16   1013697.00     8256.00
     0.02
  PALUXY        PALUXY RIVER   9478.32*      Max WS    943711.80      579.69
760.53                  760.54     0.000014       1.16   1015700.00     8274.50
     0.02
  PALUXY        PALUXY RIVER   9453.48*      Max WS    943710.30      579.66
760.53                  760.54     0.000014       1.16   1017718.00     8293.00
     0.02
  PALUXY        PALUXY RIVER   9428.64*      Max WS    943708.80      579.63
760.53                  760.54     0.000014       1.15   1019747.00     8311.50
     0.02
  PALUXY        PALUXY RIVER   9403.80*      Max WS    943707.20      579.60
760.53                  760.54     0.000014       1.15   1021794.00     8330.00
     0.02
  PALUXY        PALUXY RIVER   9378.96*      Max WS    943705.60      579.57
760.53                  760.54     0.000014       1.15   1023862.00     8348.50
     0.02
  PALUXY        PALUXY RIVER   9354.12*      Max WS    943704.10      579.54
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760.53                  760.54     0.000014       1.15   1025952.00     8367.00
     0.02
  PALUXY        PALUXY RIVER   9329.28*      Max WS    943702.60      579.51
760.53                  760.54     0.000014       1.15   1028057.00     8385.50
     0.02
  PALUXY        PALUXY RIVER   9304.44*      Max WS    943701.00      579.48
760.53                  760.54     0.000014       1.14   1030177.00     8404.00
     0.02
  PALUXY        PALUXY RIVER   9279.60*      Max WS    943699.40      579.45
760.53                  760.54     0.000014       1.14   1032313.00     8422.50
     0.02
  PALUXY        PALUXY RIVER   9254.76*      Max WS    943697.80      579.42
760.53                  760.54     0.000014       1.14   1034470.00     8441.00
     0.02
  PALUXY        PALUXY RIVER   9229.92*      Max WS    943696.30      579.39
760.53                  760.54     0.000014       1.14   1036648.00     8459.50
     0.02
  PALUXY        PALUXY RIVER   9205.08*      Max WS    943694.60      579.36
760.52                  760.54     0.000014       1.14   1038839.00     8478.00
     0.02
  PALUXY        PALUXY RIVER   9180.24*      Max WS    943693.10      579.33
760.52                  760.54     0.000014       1.13   1041051.00     8496.50
     0.02
  PALUXY        PALUXY RIVER   9155.4*       Max WS    943691.40      579.30
760.52                  760.54     0.000014       1.13   1043281.00     8515.00
     0.02
  PALUXY        PALUXY RIVER   9130.56*      Max WS    943689.80      579.27
760.52                  760.54     0.000014       1.13   1045523.00     8533.50
     0.02
  PALUXY        PALUXY RIVER   9105.72*      Max WS    943688.20      579.24
760.52                  760.54     0.000014       1.13   1047784.00     8552.00
     0.02
  PALUXY        PALUXY RIVER   9080.88*      Max WS    943686.60      579.21
760.52                  760.53     0.000013       1.13   1050063.00     8570.50
     0.02
  PALUXY        PALUXY RIVER   9056.04*      Max WS    943684.90      579.18
760.52                  760.53     0.000013       1.12   1052363.00     8589.00
     0.01
  PALUXY        PALUXY RIVER   9031.2*       Max WS    943683.30      579.15
760.52                  760.53     0.000013       1.12   1054682.00     8607.50
     0.01
  PALUXY        PALUXY RIVER   9006.35*      Max WS    943681.60      579.12
760.52                  760.53     0.000013       1.12   1057016.00     8626.00
     0.01
  PALUXY        PALUXY RIVER   8981.52*      Max WS    943679.90      579.09
760.52                  760.53     0.000013       1.12   1059368.00     8644.50
     0.01
  PALUXY        PALUXY RIVER   8956.68*      Max WS    943678.30      579.06
760.52                  760.53     0.000013       1.11   1061741.00     8663.00
     0.01
  PALUXY        PALUXY RIVER   8931.84*      Max WS    943676.60      579.03
760.52                  760.53     0.000013       1.11   1064126.00     8681.50
     0.01
  PALUXY        PALUXY RIVER   8907          Max WS    943674.90      579.00
760.52                  760.53     0.000013       1.11   1066533.00     8700.00
     0.01
  PALUXY        PALUXY RIVER   8861.14*      Max WS    943671.80      578.81
760.52                  760.53     0.000013       1.11   1062707.00     8650.00
     0.01
  PALUXY        PALUXY RIVER   8815.28*      Max WS    943668.70      578.62
760.52                  760.53     0.000013       1.12   1058951.00     8600.00
     0.01
  PALUXY        PALUXY RIVER   8769.42*      Max WS    943665.60      578.43
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760.51                  760.53     0.000013       1.12   1055279.00     8550.00
     0.01
  PALUXY        PALUXY RIVER   8723.57*      Max WS    943662.60      578.24
760.51                  760.53     0.000013       1.12   1051680.00     8500.00
     0.01
  PALUXY        PALUXY RIVER   8677.71*      Max WS    943659.50      578.05
760.51                  760.52     0.000013       1.13   1048166.00     8450.00
     0.01
  PALUXY        PALUXY RIVER   8631.85*      Max WS    943656.50      577.86
760.51                  760.52     0.000013       1.13   1044732.00     8400.00
     0.02
  PALUXY        PALUXY RIVER   8586.*        Max WS    943653.50      577.67
760.51                  760.52     0.000013       1.13   1041375.00     8350.00
     0.02
  PALUXY        PALUXY RIVER   8540.14*      Max WS    943650.50      577.48
760.51                  760.52     0.000014       1.14   1038093.00     8300.00
     0.02
  PALUXY        PALUXY RIVER   8494.28*      Max WS    943647.50      577.29
760.51                  760.52     0.000014       1.14   1034886.00     8250.00
     0.02
  PALUXY        PALUXY RIVER   8448.42*      Max WS    943644.60      577.10
760.51                  760.52     0.000014       1.14   1031756.00     8200.00
     0.02
  PALUXY        PALUXY RIVER   8402.57*      Max WS    943641.60      576.90
760.50                  760.52     0.000014       1.14   1028722.00     8150.00
     0.02
  PALUXY        PALUXY RIVER   8356.71*      Max WS    943638.70      576.71
760.50                  760.52     0.000014       1.14   1025748.00     8100.00
     0.02
  PALUXY        PALUXY RIVER   8310.85*      Max WS    943635.80      576.52
760.50                  760.51     0.000014       1.15   1022858.00     8050.00
     0.02
  PALUXY        PALUXY RIVER   8265.*        Max WS    943632.90      576.33
760.50                  760.51     0.000014       1.15   1020045.00     8000.00
     0.02
  PALUXY        PALUXY RIVER   8219.14*      Max WS    943630.00      576.14
760.50                  760.51     0.000014       1.15   1017314.00     7950.00
     0.02
  PALUXY        PALUXY RIVER   8173.28*      Max WS    943627.10      575.95
760.50                  760.51     0.000014       1.15   1014660.00     7900.00
     0.02
  PALUXY        PALUXY RIVER   8127.42*      Max WS    943624.30      575.76
760.50                  760.51     0.000014       1.15   1012083.00     7850.00
     0.02
  PALUXY        PALUXY RIVER   8081.57*      Max WS    943621.60      575.57
760.49                  760.51     0.000014       1.15   1009579.00     7800.00
     0.02
  PALUXY        PALUXY RIVER   8035.71*      Max WS    943618.80      575.38
760.49                  760.51     0.000014       1.15   1007164.00     7750.00
     0.02
  PALUXY        PALUXY RIVER   7989.85*      Max WS    943616.10      575.19
760.49                  760.51     0.000014       1.15   1004814.00     7700.00
     0.02
  PALUXY        PALUXY RIVER   7944          Max WS    943613.30      575.00
760.49                  760.50     0.000014       1.15   1002552.00     7650.00
     0.02
  PALUXY        PALUXY RIVER   7886.4*       Max WS    943609.90      574.87
760.49                  760.50     0.000014       1.17    983875.40     7490.00
     0.02
  PALUXY        PALUXY RIVER   7828.8*       Max WS    943606.60      574.73
760.49                  760.50     0.000015       1.19    964978.90     7330.00
     0.02
  PALUXY        PALUXY RIVER   7771.2*       Max WS    943603.40      574.60
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760.48                  760.50     0.000015       1.21    945874.90     7170.00
     0.02
  PALUXY        PALUXY RIVER   7713.6*       Max WS    943600.30      574.47
760.48                  760.50     0.000016       1.24    926546.30     7010.00
     0.02
  PALUXY        PALUXY RIVER   7656.*        Max WS    943597.10      574.33
760.48                  760.50     0.000016       1.26    907005.80     6850.00
     0.02
  PALUXY        PALUXY RIVER   7598.4*       Max WS    943594.10      574.20
760.48                  760.49     0.000017       1.29    887252.50     6690.00
     0.02
  PALUXY        PALUXY RIVER   7540.8*       Max WS    943591.20      574.07
760.47                  760.49     0.000018       1.31    867281.90     6530.00
     0.02
  PALUXY        PALUXY RIVER   7483.2*       Max WS    943588.30      573.93
760.47                  760.49     0.000019       1.34    847098.20     6370.00
     0.02
  PALUXY        PALUXY RIVER   7425.6*       Max WS    943585.60      573.80
760.47                  760.49     0.000020       1.37    826697.10     6210.00
     0.02
  PALUXY        PALUXY RIVER   7368.*        Max WS    943582.90      573.67
760.46                  760.49     0.000021       1.41    806083.20     6050.00
     0.02
  PALUXY        PALUXY RIVER   7310.4*       Max WS    943580.30      573.53
760.46                  760.48     0.000022       1.44    785250.60     5890.00
     0.02
  PALUXY        PALUXY RIVER   7252.8*       Max WS    943577.80      573.40
760.46                  760.48     0.000023       1.48    764201.80     5730.00
     0.02
  PALUXY        PALUXY RIVER   7195.2*       Max WS    943575.40      573.27
760.45                  760.48     0.000024       1.52    742939.70     5570.00
     0.02
  PALUXY        PALUXY RIVER   7137.6*       Max WS    943573.10      573.13
760.45                  760.47     0.000025       1.56    721463.90     5410.00
     0.02
  PALUXY        PALUXY RIVER   7080          Max WS    943570.90      573.00
760.44                  760.47     0.000027       1.61    699766.70     5250.00
     0.02
  PALUXY        PALUXY RIVER   7065.01*      Max WS    943570.30      572.98
760.44                  760.47     0.000027       1.61    699109.10     5243.94
     0.02
  PALUXY        PALUXY RIVER   7050.03*      Max WS    943569.80      572.97
760.44                  760.47     0.000027       1.61    698457.80     5237.88
     0.02
  PALUXY        PALUXY RIVER   7035.04*      Max WS    943569.20      572.95
760.44                  760.47     0.000027       1.62    697808.10     5231.82
     0.02
  PALUXY        PALUXY RIVER   7020.06*      Max WS    943568.60      572.94
760.44                  760.47     0.000027       1.62    697153.80     5225.76
     0.02
  PALUXY        PALUXY RIVER   7005.07*      Max WS    943568.10      572.92
760.44                  760.47     0.000027       1.62    696506.80     5219.70
     0.02
  PALUXY        PALUXY RIVER   6990.09*      Max WS    943567.50      572.91
760.44                  760.47     0.000027       1.62    695853.70     5213.64
     0.02
  PALUXY        PALUXY RIVER   6975.10*      Max WS    943566.90      572.89
760.44                  760.47     0.000027       1.62    695204.20     5207.58
     0.02
  PALUXY        PALUXY RIVER   6960.12*      Max WS    943566.40      572.88
760.43                  760.46     0.000027       1.63    694562.60     5201.52
     0.02
  PALUXY        PALUXY RIVER   6945.13*      Max WS    943565.80      572.86
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760.43                  760.46     0.000027       1.63    693923.80     5195.45
     0.02
  PALUXY        PALUXY RIVER   6930.15*      Max WS    943565.30      572.85
760.43                  760.46     0.000027       1.63    693277.30     5189.39
     0.02
  PALUXY        PALUXY RIVER   6915.16*      Max WS    943564.80      572.83
760.43                  760.46     0.000028       1.63    692647.20     5183.33
     0.02
  PALUXY        PALUXY RIVER   6900.18*      Max WS    943564.20      572.82
760.43                  760.46     0.000028       1.63    692003.30     5177.27
     0.02
  PALUXY        PALUXY RIVER   6885.19*      Max WS    943563.60      572.80
760.43                  760.46     0.000028       1.63    691365.10     5171.21
     0.02
  PALUXY        PALUXY RIVER   6870.21*      Max WS    943563.10      572.79
760.43                  760.46     0.000028       1.64    690738.90     5165.15
     0.02
  PALUXY        PALUXY RIVER   6855.22*      Max WS    943562.50      572.77
760.43                  760.46     0.000028       1.64    690104.60     5159.09
     0.02
  PALUXY        PALUXY RIVER   6840.24*      Max WS    943562.00      572.76
760.43                  760.46     0.000028       1.64    689470.80     5153.03
     0.02
  PALUXY        PALUXY RIVER   6825.25*      Max WS    943561.40      572.74
760.43                  760.46     0.000028       1.64    688845.10     5146.97
     0.02
  PALUXY        PALUXY RIVER   6810.27*      Max WS    943560.90      572.73
760.43                  760.46     0.000028       1.64    688211.30     5140.91
     0.02
  PALUXY        PALUXY RIVER   6795.28*      Max WS    943560.30      572.71
760.42                  760.46     0.000028       1.65    687588.10     5134.85
     0.02
  PALUXY        PALUXY RIVER   6780.30*      Max WS    943559.80      572.70
760.42                  760.45     0.000028       1.65    686972.20     5128.79
     0.02
  PALUXY        PALUXY RIVER   6765.31*      Max WS    943559.30      572.68
760.42                  760.45     0.000028       1.65    686343.50     5122.73
     0.02
  PALUXY        PALUXY RIVER   6750.33*      Max WS    943558.70      572.67
760.42                  760.45     0.000028       1.65    685724.60     5116.67
     0.02
  PALUXY        PALUXY RIVER   6735.34*      Max WS    943558.10      572.65
760.42                  760.45     0.000028       1.65    685109.80     5110.61
     0.02
  PALUXY        PALUXY RIVER   6720.36*      Max WS    943557.60      572.64
760.42                  760.45     0.000028       1.65    684483.30     5104.55
     0.02
  PALUXY        PALUXY RIVER   6705.37*      Max WS    943557.10      572.62
760.42                  760.45     0.000028       1.66    683869.00     5098.48
     0.02
  PALUXY        PALUXY RIVER   6690.39*      Max WS    943556.50      572.61
760.42                  760.45     0.000028       1.66    683265.60     5092.42
     0.02
  PALUXY        PALUXY RIVER   6675.40*      Max WS    943555.90      572.59
760.42                  760.45     0.000028       1.66    682649.90     5086.36
     0.02
  PALUXY        PALUXY RIVER   6660.42*      Max WS    943555.40      572.58
760.42                  760.45     0.000028       1.66    682031.30     5080.30
     0.02
  PALUXY        PALUXY RIVER   6645.43*      Max WS    943554.90      572.56
760.42                  760.45     0.000028       1.66    681432.90     5074.24
     0.02
  PALUXY        PALUXY RIVER   6630.45*      Max WS    943554.40      572.55
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760.41                  760.45     0.000028       1.67    680817.30     5068.18
     0.02
  PALUXY        PALUXY RIVER   6615.47*      Max WS    943553.80      572.53
760.41                  760.44     0.000029       1.67    680217.70     5062.12
     0.02
  PALUXY        PALUXY RIVER   6600.48*      Max WS    943553.30      572.52
760.41                  760.44     0.000029       1.67    679614.80     5056.06
     0.02
  PALUXY        PALUXY RIVER   6585.5*       Max WS    943552.80      572.50
760.41                  760.44     0.000029       1.67    679011.30     5050.00
     0.02
  PALUXY        PALUXY RIVER   6570.51*      Max WS    943552.20      572.48
760.41                  760.44     0.000029       1.67    678410.50     5043.94
     0.02
  PALUXY        PALUXY RIVER   6555.53*      Max WS    943551.70      572.47
760.41                  760.44     0.000029       1.67    677812.60     5037.88
     0.02
  PALUXY        PALUXY RIVER   6540.54*      Max WS    943551.10      572.45
760.41                  760.44     0.000029       1.68    677219.10     5031.82
     0.02
  PALUXY        PALUXY RIVER   6525.56*      Max WS    943550.60      572.44
760.41                  760.44     0.000029       1.68    676622.70     5025.76
     0.02
  PALUXY        PALUXY RIVER   6510.57*      Max WS    943550.10      572.42
760.41                  760.44     0.000029       1.68    676038.40     5019.70
     0.02
  PALUXY        PALUXY RIVER   6495.59*      Max WS    943549.60      572.41
760.41                  760.44     0.000029       1.68    675435.70     5013.64
     0.02
  PALUXY        PALUXY RIVER   6480.60*      Max WS    943549.00      572.39
760.40                  760.44     0.000029       1.68    674843.10     5007.58
     0.02
  PALUXY        PALUXY RIVER   6465.62*      Max WS    943548.50      572.38
760.40                  760.44     0.000029       1.68    674259.10     5001.52
     0.02
  PALUXY        PALUXY RIVER   6450.63*      Max WS    943547.90      572.36
760.40                  760.43     0.000029       1.69    673680.70     4995.45
     0.02
  PALUXY        PALUXY RIVER   6435.65*      Max WS    943547.40      572.35
760.40                  760.43     0.000029       1.69    673082.10     4989.39
     0.02
  PALUXY        PALUXY RIVER   6420.66*      Max WS    943546.90      572.33
760.40                  760.43     0.000029       1.69    672504.20     4983.33
     0.02
  PALUXY        PALUXY RIVER   6405.68*      Max WS    943546.40      572.32
760.40                  760.43     0.000029       1.69    671926.70     4977.27
     0.02
  PALUXY        PALUXY RIVER   6390.69*      Max WS    943545.90      572.30
760.40                  760.43     0.000029       1.69    671339.50     4971.21
     0.02
  PALUXY        PALUXY RIVER   6375.71*      Max WS    943545.30      572.29
760.40                  760.43     0.000029       1.69    670770.40     4965.15
     0.02
  PALUXY        PALUXY RIVER   6360.72*      Max WS    943544.80      572.27
760.40                  760.43     0.000029       1.70    670194.60     4959.09
     0.02
  PALUXY        PALUXY RIVER   6345.74*      Max WS    943544.30      572.26
760.40                  760.43     0.000029       1.70    669616.40     4953.03
     0.02
  PALUXY        PALUXY RIVER   6330.75*      Max WS    943543.80      572.24
760.39                  760.43     0.000029       1.70    669046.10     4946.97
     0.02
  PALUXY        PALUXY RIVER   6315.77*      Max WS    943543.30      572.23
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760.39                  760.43     0.000029       1.70    668470.70     4940.91
     0.02
  PALUXY        PALUXY RIVER   6300.78*      Max WS    943542.80      572.21
760.39                  760.42     0.000030       1.70    667899.80     4934.85
     0.02
  PALUXY        PALUXY RIVER   6285.80*      Max WS    943542.20      572.20
760.39                  760.42     0.000030       1.70    667343.30     4928.79
     0.02
  PALUXY        PALUXY RIVER   6270.81*      Max WS    943541.70      572.18
760.39                  760.42     0.000030       1.71    666769.30     4922.73
     0.02
  PALUXY        PALUXY RIVER   6255.83*      Max WS    943541.10      572.17
760.39                  760.42     0.000030       1.71    666204.00     4916.67
     0.02
  PALUXY        PALUXY RIVER   6240.84*      Max WS    943540.60      572.15
760.39                  760.42     0.000030       1.71    665646.00     4910.61
     0.02
  PALUXY        PALUXY RIVER   6225.86*      Max WS    943540.10      572.14
760.39                  760.42     0.000030       1.71    665080.90     4904.55
     0.02
  PALUXY        PALUXY RIVER   6210.87*      Max WS    943539.60      572.12
760.39                  760.42     0.000030       1.71    664524.40     4898.49
     0.02
  PALUXY        PALUXY RIVER   6195.89*      Max WS    943539.10      572.11
760.38                  760.42     0.000030       1.71    663967.50     4892.42
     0.02
  PALUXY        PALUXY RIVER   6180.91*      Max WS    943538.60      572.09
760.38                  760.42     0.000030       1.72    663415.40     4886.36
     0.02
  PALUXY        PALUXY RIVER   6165.92*      Max WS    943538.00      572.08
760.38                  760.42     0.000030       1.72    662851.80     4880.30
     0.02
  PALUXY        PALUXY RIVER   6150.94*      Max WS    943537.50      572.06
760.38                  760.41     0.000030       1.72    662305.30     4874.24
     0.02
  PALUXY        PALUXY RIVER   6135.95*      Max WS    943537.00      572.05
760.38                  760.41     0.000030       1.72    661751.60     4868.18
     0.02
  PALUXY        PALUXY RIVER   6120.97*      Max WS    943536.50      572.03
760.38                  760.41     0.000030       1.72    661206.90     4862.12
     0.02
  PALUXY        PALUXY RIVER   6105.98*      Max WS    943535.90      572.02
760.38                  760.41     0.000030       1.72    660662.80     4856.06
     0.02
  PALUXY        PALUXY RIVER   6091.00*      Max WS    943535.40      572.00
760.38                  760.41     0.000030       1.73    660113.60     4850.00
     0.02
  PALUXY        PALUXY RIVER   6076.01*      Max WS    943534.90      571.98
760.38                  760.41     0.000030       1.73    659568.20     4843.94
     0.02
  PALUXY        PALUXY RIVER   6061.03*      Max WS    943534.40      571.97
760.38                  760.41     0.000030       1.73    659029.30     4837.88
     0.02
  PALUXY        PALUXY RIVER   6046.04*      Max WS    943533.90      571.95
760.37                  760.41     0.000030       1.73    658490.40     4831.82
     0.02
  PALUXY        PALUXY RIVER   6031.06*      Max WS    943533.40      571.94
760.37                  760.41     0.000030       1.73    657948.10     4825.76
     0.02
  PALUXY        PALUXY RIVER   6016.07*      Max WS    943532.90      571.92
760.37                  760.40     0.000030       1.73    657421.90     4819.70
     0.02
  PALUXY        PALUXY RIVER   6001.09*      Max WS    943532.40      571.91
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760.37                  760.40     0.000030       1.74    656872.40     4813.64
     0.02
  PALUXY        PALUXY RIVER   5986.10*      Max WS    943531.90      571.89
760.37                  760.40     0.000030       1.74    656340.90     4807.58
     0.02
  PALUXY        PALUXY RIVER   5971.12*      Max WS    943531.40      571.88
760.37                  760.40     0.000031       1.74    655815.80     4801.52
     0.02
  PALUXY        PALUXY RIVER   5956.13*      Max WS    943530.90      571.86
760.37                  760.40     0.000031       1.74    655286.80     4795.46
     0.02
  PALUXY        PALUXY RIVER   5941.15*      Max WS    943530.30      571.85
760.37                  760.40     0.000031       1.74    654752.30     4789.39
     0.02
  PALUXY        PALUXY RIVER   5926.16*      Max WS    943529.80      571.83
760.37                  760.40     0.000031       1.74    654234.60     4783.33
     0.02
  PALUXY        PALUXY RIVER   5911.18*      Max WS    943529.30      571.82
760.36                  760.40     0.000031       1.74    653708.40     4777.27
     0.02
  PALUXY        PALUXY RIVER   5896.19*      Max WS    943528.80      571.80
760.36                  760.40     0.000031       1.75    653180.70     4771.21
     0.02
  PALUXY        PALUXY RIVER   5881.21*      Max WS    943528.30      571.79
760.36                  760.40     0.000031       1.75    652670.90     4765.15
     0.02
  PALUXY        PALUXY RIVER   5866.22*      Max WS    943527.80      571.77
760.36                  760.40     0.000031       1.75    652150.20     4759.09
     0.02
  PALUXY        PALUXY RIVER   5851.24*      Max WS    943527.30      571.76
760.36                  760.40     0.000031       1.75    651630.90     4753.03
     0.02
  PALUXY        PALUXY RIVER   5836.25*      Max WS    943526.80      571.74
760.36                  760.39     0.000031       1.75    651119.10     4746.97
     0.02
  PALUXY        PALUXY RIVER   5821.27*      Max WS    943526.30      571.73
760.36                  760.39     0.000031       1.75    650601.60     4740.91
     0.02
  PALUXY        PALUXY RIVER   5806.29*      Max WS    943525.80      571.71
760.36                  760.39     0.000031       1.76    650087.10     4734.85
     0.02
  PALUXY        PALUXY RIVER   5791.30*      Max WS    943525.30      571.70
760.36                  760.39     0.000031       1.76    649588.10     4728.79
     0.02
  PALUXY        PALUXY RIVER   5776.32*      Max WS    943524.80      571.68
760.36                  760.39     0.000031       1.76    649072.40     4722.73
     0.02
  PALUXY        PALUXY RIVER   5761.33*      Max WS    943524.30      571.67
760.36                  760.39     0.000031       1.76    648561.90     4716.67
     0.02
  PALUXY        PALUXY RIVER   5746.35*      Max WS    943523.70      571.65
760.35                  760.39     0.000031       1.76    648066.90     4710.61
     0.02
  PALUXY        PALUXY RIVER   5731.36*      Max WS    943523.20      571.64
760.35                  760.39     0.000031       1.76    647551.80     4704.55
     0.02
  PALUXY        PALUXY RIVER   5716.38*      Max WS    943522.70      571.62
760.35                  760.39     0.000031       1.76    647054.30     4698.49
     0.02
  PALUXY        PALUXY RIVER   5701.39*      Max WS    943522.20      571.61
760.35                  760.39     0.000031       1.77    646557.40     4692.42
     0.02
  PALUXY        PALUXY RIVER   5686.41*      Max WS    943521.70      571.59
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760.35                  760.38     0.000031       1.77    646062.60     4686.36
     0.02
  PALUXY        PALUXY RIVER   5671.42*      Max WS    943521.20      571.58
760.35                  760.38     0.000031       1.77    645556.10     4680.30
     0.02
  PALUXY        PALUXY RIVER   5656.44*      Max WS    943520.70      571.56
760.35                  760.38     0.000031       1.77    645065.20     4674.24
     0.02
  PALUXY        PALUXY RIVER   5641.45*      Max WS    943520.20      571.55
760.35                  760.38     0.000031       1.77    644573.30     4668.18
     0.02
  PALUXY        PALUXY RIVER   5626.47*      Max WS    943519.70      571.53
760.35                  760.38     0.000031       1.77    644084.60     4662.12
     0.02
  PALUXY        PALUXY RIVER   5611.48*      Max WS    943519.20      571.52
760.35                  760.38     0.000031       1.77    643589.30     4656.06
     0.02
  PALUXY        PALUXY RIVER   5596.50*      Max WS    943518.70      571.50
760.34                  760.38     0.000032       1.78    643103.00     4650.00
     0.02
  PALUXY        PALUXY RIVER   5581.51*      Max WS    943518.20      571.48
760.34                  760.38     0.000032       1.78    642613.30     4643.94
     0.02
  PALUXY        PALUXY RIVER   5566.53*      Max WS    943517.70      571.47
760.34                  760.38     0.000032       1.78    642133.70     4637.88
     0.02
  PALUXY        PALUXY RIVER   5551.54*      Max WS    943517.20      571.45
760.34                  760.38     0.000032       1.78    641653.00     4631.82
     0.02
  PALUXY        PALUXY RIVER   5536.56*      Max WS    943516.70      571.44
760.34                  760.37     0.000032       1.78    641168.10     4625.76
     0.02
  PALUXY        PALUXY RIVER   5521.57*      Max WS    943516.20      571.42
760.34                  760.37     0.000032       1.78    640695.60     4619.70
     0.02
  PALUXY        PALUXY RIVER   5506.59*      Max WS    943515.80      571.41
760.34                  760.37     0.000032       1.78    640208.20     4613.64
     0.02
  PALUXY        PALUXY RIVER   5491.60*      Max WS    943515.30      571.39
760.34                  760.37     0.000032       1.79    639731.90     4607.58
     0.02
  PALUXY        PALUXY RIVER   5476.62*      Max WS    943514.80      571.38
760.34                  760.37     0.000032       1.79    639260.90     4601.52
     0.02
  PALUXY        PALUXY RIVER   5461.63*      Max WS    943514.30      571.36
760.34                  760.37     0.000032       1.79    638791.10     4595.46
     0.02
  PALUXY        PALUXY RIVER   5446.65*      Max WS    943513.80      571.35
760.33                  760.37     0.000032       1.79    638316.50     4589.40
     0.02
  PALUXY        PALUXY RIVER   5431.66*      Max WS    943513.30      571.33
760.33                  760.37     0.000032       1.79    637851.30     4583.33
     0.02
  PALUXY        PALUXY RIVER   5416.68*      Max WS    943512.80      571.32
760.33                  760.37     0.000032       1.79    637380.40     4577.27
     0.02
  PALUXY        PALUXY RIVER   5401.69*      Max WS    943512.30      571.30
760.33                  760.37     0.000032       1.79    636916.60     4571.21
     0.02
  PALUXY        PALUXY RIVER   5386.71*      Max WS    943511.80      571.29
760.33                  760.36     0.000032       1.79    636454.30     4565.15
     0.02
  PALUXY        PALUXY RIVER   5371.72*      Max WS    943511.30      571.27
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760.33                  760.36     0.000032       1.80    635991.80     4559.09
     0.02
  PALUXY        PALUXY RIVER   5356.74*      Max WS    943510.80      571.26
760.33                  760.36     0.000032       1.80    635528.50     4553.03
     0.02
  PALUXY        PALUXY RIVER   5341.76*      Max WS    943510.30      571.24
760.33                  760.36     0.000032       1.80    635069.80     4546.97
     0.02
  PALUXY        PALUXY RIVER   5326.77*      Max WS    943509.90      571.23
760.33                  760.36     0.000032       1.80    634611.40     4540.91
     0.02
  PALUXY        PALUXY RIVER   5311.79*      Max WS    943509.40      571.21
760.32                  760.36     0.000032       1.80    634155.10     4534.85
     0.02
  PALUXY        PALUXY RIVER   5296.80*      Max WS    943508.90      571.20
760.32                  760.36     0.000032       1.80    633712.30     4528.79
     0.02
  PALUXY        PALUXY RIVER   5281.82*      Max WS    943508.40      571.18
760.32                  760.36     0.000032       1.80    633253.80     4522.73
     0.02
  PALUXY        PALUXY RIVER   5266.83*      Max WS    943507.90      571.17
760.32                  760.36     0.000032       1.80    632801.90     4516.67
     0.02
  PALUXY        PALUXY RIVER   5251.85*      Max WS    943507.40      571.15
760.32                  760.36     0.000032       1.81    632360.70     4510.61
     0.02
  PALUXY        PALUXY RIVER   5236.86*      Max WS    943506.90      571.14
760.32                  760.35     0.000032       1.81    631905.30     4504.55
     0.02
  PALUXY        PALUXY RIVER   5221.88*      Max WS    943506.50      571.12
760.32                  760.35     0.000032       1.81    631460.90     4498.49
     0.02
  PALUXY        PALUXY RIVER   5206.89*      Max WS    943506.00      571.11
760.32                  760.35     0.000032       1.81    631023.70     4492.43
     0.02
  PALUXY        PALUXY RIVER   5191.91*      Max WS    943505.50      571.09
760.32                  760.35     0.000032       1.81    630576.10     4486.36
     0.02
  PALUXY        PALUXY RIVER   5176.92*      Max WS    943505.00      571.08
760.32                  760.35     0.000032       1.81    630133.70     4480.30
     0.02
  PALUXY        PALUXY RIVER   5161.94*      Max WS    943504.60      571.06
760.31                  760.35     0.000033       1.81    629704.80     4474.24
     0.02
  PALUXY        PALUXY RIVER   5146.95*      Max WS    943504.10      571.05
760.31                  760.35     0.000033       1.81    629262.30     4468.18
     0.02
  PALUXY        PALUXY RIVER   5131.97*      Max WS    943503.60      571.03
760.31                  760.35     0.000033       1.81    628830.60     4462.12
     0.02
  PALUXY        PALUXY RIVER   5116.98*      Max WS    943503.10      571.02
760.31                  760.35     0.000033       1.82    628398.50     4456.06
     0.02
  PALUXY        PALUXY RIVER   5102          Max WS    943502.60      571.00
760.31                  760.35     0.000033       1.82    627967.00     4450.00
     0.02
  PALUXY        LOWER PALUXY   3838          Max WS    950432.10      568.00
760.31                  760.36     0.000049       2.19    537436.50     4150.00
     0.03
  PALUXY        LOWER PALUXY   3833.02*      Max WS    950431.90      568.00
760.31                  760.36     0.000049       2.19    537725.20     4152.72
     0.03
  PALUXY        LOWER PALUXY   3828.03*      Max WS    950431.80      567.99
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760.31                  760.36     0.000049       2.19    538017.10     4155.45
     0.03
  PALUXY        LOWER PALUXY   3823.05*      Max WS    950431.60      567.99
760.31                  760.36     0.000049       2.19    538304.00     4158.17
     0.03
  PALUXY        LOWER PALUXY   3818.07*      Max WS    950431.50      567.98
760.31                  760.36     0.000048       2.19    538596.60     4160.90
     0.03
  PALUXY        LOWER PALUXY   3813.09*      Max WS    950431.40      567.98
760.31                  760.36     0.000048       2.19    538876.40     4163.62
     0.03
  PALUXY        LOWER PALUXY   3808.11*      Max WS    950431.30      567.98
760.31                  760.36     0.000048       2.19    539159.50     4166.34
     0.03
  PALUXY        LOWER PALUXY   3803.13*      Max WS    950431.10      567.97
760.31                  760.36     0.000048       2.19    539445.30     4169.07
     0.03
  PALUXY        LOWER PALUXY   3798.15*      Max WS    950430.90      567.97
760.31                  760.36     0.000048       2.19    539730.30     4171.79
     0.03
  PALUXY        LOWER PALUXY   3793.17*      Max WS    950430.80      567.96
760.31                  760.36     0.000048       2.18    540018.00     4174.51
     0.03
  PALUXY        LOWER PALUXY   3788.19*      Max WS    950430.70      567.96
760.30                  760.35     0.000048       2.18    540302.70     4177.24
     0.03
  PALUXY        LOWER PALUXY   3783.21*      Max WS    950430.60      567.96
760.30                  760.35     0.000048       2.18    540592.00     4179.96
     0.03
  PALUXY        LOWER PALUXY   3778.23*      Max WS    950430.40      567.95
760.30                  760.35     0.000048       2.18    540872.40     4182.69
     0.03
  PALUXY        LOWER PALUXY   3773.25*      Max WS    950430.30      567.95
760.30                  760.35     0.000048       2.18    541163.40     4185.41
     0.03
  PALUXY        LOWER PALUXY   3768.27*      Max WS    950430.20      567.95
760.30                  760.35     0.000048       2.18    541436.20     4188.13
     0.03
  PALUXY        LOWER PALUXY   3763.29*      Max WS    950430.10      567.94
760.30                  760.35     0.000048       2.18    541721.70     4190.86
     0.03
  PALUXY        LOWER PALUXY   3758.31*      Max WS    950429.90      567.94
760.30                  760.35     0.000048       2.18    542000.10     4193.58
     0.03
  PALUXY        LOWER PALUXY   3753.33*      Max WS    950429.80      567.93
760.30                  760.35     0.000048       2.17    542285.00     4196.30
     0.03
  PALUXY        LOWER PALUXY   3748.35*      Max WS    950429.60      567.93
760.30                  760.35     0.000048       2.17    542574.10     4199.03
     0.03
  PALUXY        LOWER PALUXY   3743.37*      Max WS    950429.50      567.93
760.30                  760.35     0.000048       2.17    542854.60     4201.75
     0.03
  PALUXY        LOWER PALUXY   3738.38*      Max WS    950429.40      567.92
760.30                  760.35     0.000048       2.17    543137.10     4204.47
     0.03
  PALUXY        LOWER PALUXY   3733.40*      Max WS    950429.30      567.92
760.30                  760.35     0.000048       2.17    543412.30     4207.20
     0.03
  PALUXY        LOWER PALUXY   3728.42*      Max WS    950429.10      567.91
760.30                  760.35     0.000047       2.17    543696.90     4209.92
     0.03
  PALUXY        LOWER PALUXY   3723.44*      Max WS    950429.00      567.91
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760.30                  760.35     0.000047       2.17    543970.10     4212.65
     0.03
  PALUXY        LOWER PALUXY   3718.46*      Max WS    950428.90      567.91
760.30                  760.35     0.000047       2.17    544256.40     4215.37
     0.03
  PALUXY        LOWER PALUXY   3713.48*      Max WS    950428.80      567.90
760.30                  760.35     0.000047       2.16    544536.80     4218.09
     0.03
  PALUXY        LOWER PALUXY   3708.50*      Max WS    950428.60      567.90
760.30                  760.35     0.000047       2.16    544813.40     4220.82
     0.03
  PALUXY        LOWER PALUXY   3703.52*      Max WS    950428.40      567.89
760.30                  760.35     0.000047       2.16    545089.90     4223.54
     0.03
  PALUXY        LOWER PALUXY   3698.54*      Max WS    950428.30      567.89
760.30                  760.34     0.000047       2.16    545372.90     4226.26
     0.03
  PALUXY        LOWER PALUXY   3693.56*      Max WS    950428.20      567.89
760.29                  760.34     0.000047       2.16    545647.40     4228.99
     0.03
  PALUXY        LOWER PALUXY   3688.58*      Max WS    950428.10      567.88
760.29                  760.34     0.000047       2.16    545924.10     4231.71
     0.03
  PALUXY        LOWER PALUXY   3683.60*      Max WS    950427.90      567.88
760.29                  760.34     0.000047       2.16    546204.40     4234.44
     0.03
  PALUXY        LOWER PALUXY   3678.62*      Max WS    950427.80      567.88
760.29                  760.34     0.000047       2.16    546483.40     4237.16
     0.03
  PALUXY        LOWER PALUXY   3673.64*      Max WS    950427.70      567.87
760.29                  760.34     0.000047       2.15    546757.20     4239.88
     0.03
  PALUXY        LOWER PALUXY   3668.66*      Max WS    950427.60      567.87
760.29                  760.34     0.000047       2.15    547032.60     4242.61
     0.03
  PALUXY        LOWER PALUXY   3663.68*      Max WS    950427.40      567.86
760.29                  760.34     0.000047       2.15    547309.40     4245.33
     0.03
  PALUXY        LOWER PALUXY   3658.7*       Max WS    950427.30      567.86
760.29                  760.34     0.000047       2.15    547575.80     4248.05
     0.03
  PALUXY        LOWER PALUXY   3653.72*      Max WS    950427.20      567.86
760.29                  760.34     0.000047       2.15    547852.30     4250.78
     0.03
  PALUXY        LOWER PALUXY   3648.73*      Max WS    950427.10      567.85
760.29                  760.34     0.000047       2.15    548127.00     4253.50
     0.03
  PALUXY        LOWER PALUXY   3643.75*      Max WS    950426.90      567.85
760.29                  760.34     0.000047       2.15    548409.60     4256.23
     0.03
  PALUXY        LOWER PALUXY   3638.77*      Max WS    950426.80      567.84
760.29                  760.34     0.000047       2.15    548680.40     4258.95
     0.03
  PALUXY        LOWER PALUXY   3633.79*      Max WS    950426.70      567.84
760.29                  760.34     0.000046       2.15    548954.00     4261.67
     0.03
  PALUXY        LOWER PALUXY   3628.81*      Max WS    950426.60      567.84
760.29                  760.34     0.000046       2.14    549221.60     4264.40
     0.03
  PALUXY        LOWER PALUXY   3623.83*      Max WS    950426.40      567.83
760.29                  760.34     0.000046       2.14    549494.50     4267.12
     0.03
  PALUXY        LOWER PALUXY   3618.85*      Max WS    950426.30      567.83
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760.29                  760.34     0.000046       2.14    549763.80     4269.84
     0.03
  PALUXY        LOWER PALUXY   3613.87*      Max WS    950426.20      567.82
760.29                  760.33     0.000046       2.14    550038.70     4272.57
     0.03
  PALUXY        LOWER PALUXY   3608.89*      Max WS    950426.10      567.82
760.29                  760.33     0.000046       2.14    550311.10     4275.29
     0.03
  PALUXY        LOWER PALUXY   3603.91*      Max WS    950425.90      567.82
760.29                  760.33     0.000046       2.14    550582.60     4278.02
     0.03
  PALUXY        LOWER PALUXY   3598.93*      Max WS    950425.80      567.81
760.28                  760.33     0.000046       2.14    550851.90     4280.74
     0.03
  PALUXY        LOWER PALUXY   3593.95*      Max WS    950425.70      567.81
760.28                  760.33     0.000046       2.14    551125.60     4283.46
     0.03
  PALUXY        LOWER PALUXY   3588.97*      Max WS    950425.60      567.81
760.28                  760.33     0.000046       2.13    551394.40     4286.19
     0.03
  PALUXY        LOWER PALUXY   3583.99*      Max WS    950425.40      567.80
760.28                  760.33     0.000046       2.13    551656.70     4288.91
     0.03
  PALUXY        LOWER PALUXY   3579.01*      Max WS    950425.30      567.80
760.28                  760.33     0.000046       2.13    551926.90     4291.63
     0.03
  PALUXY        LOWER PALUXY   3574.03*      Max WS    950425.20      567.79
760.28                  760.33     0.000046       2.13    552199.10     4294.36
     0.03
  PALUXY        LOWER PALUXY   3569.05*      Max WS    950425.10      567.79
760.28                  760.33     0.000046       2.13    552466.90     4297.08
     0.03
  PALUXY        LOWER PALUXY   3564.07*      Max WS    950424.90      567.79
760.28                  760.33     0.000046       2.13    552734.90     4299.81
     0.03
  PALUXY        LOWER PALUXY   3559.08*      Max WS    950424.80      567.78
760.28                  760.33     0.000046       2.13    553001.60     4302.53
     0.03
  PALUXY        LOWER PALUXY   3554.10*      Max WS    950424.70      567.78
760.28                  760.33     0.000046       2.13    553270.10     4305.25
     0.03
  PALUXY        LOWER PALUXY   3549.12*      Max WS    950424.60      567.77
760.28                  760.33     0.000046       2.13    553536.80     4307.98
     0.03
  PALUXY        LOWER PALUXY   3544.14*      Max WS    950424.50      567.77
760.28                  760.33     0.000046       2.12    553805.40     4310.70
     0.03
  PALUXY        LOWER PALUXY   3539.16*      Max WS    950424.40      567.77
760.28                  760.33     0.000046       2.12    554068.60     4313.42
     0.03
  PALUXY        LOWER PALUXY   3534.18*      Max WS    950424.30      567.76
760.28                  760.33     0.000046       2.12    554335.70     4316.15
     0.03
  PALUXY        LOWER PALUXY   3529.20*      Max WS    950424.10      567.76
760.28                  760.33     0.000045       2.12    554598.10     4318.87
     0.03
  PALUXY        LOWER PALUXY   3524.22*      Max WS    950424.00      567.75
760.28                  760.32     0.000045       2.12    554861.40     4321.60
     0.03
  PALUXY        LOWER PALUXY   3519.24*      Max WS    950423.90      567.75
760.28                  760.32     0.000045       2.12    555130.40     4324.32
     0.03
  PALUXY        LOWER PALUXY   3514.26*      Max WS    950423.80      567.75
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760.28                  760.32     0.000045       2.12    555394.90     4327.04
     0.03
  PALUXY        LOWER PALUXY   3509.28*      Max WS    950423.60      567.74
760.28                  760.32     0.000045       2.12    555656.20     4329.77
     0.03
  PALUXY        LOWER PALUXY   3504.30*      Max WS    950423.50      567.74
760.28                  760.32     0.000045       2.12    555920.60     4332.49
     0.03
  PALUXY        LOWER PALUXY   3499.32*      Max WS    950423.40      567.74
760.27                  760.32     0.000045       2.11    556180.70     4335.21
     0.03
  PALUXY        LOWER PALUXY   3494.34*      Max WS    950423.30      567.73
760.27                  760.32     0.000045       2.11    556443.60     4337.94
     0.03
  PALUXY        LOWER PALUXY   3489.36*      Max WS    950423.20      567.73
760.27                  760.32     0.000045       2.11    556701.90     4340.66
     0.03
  PALUXY        LOWER PALUXY   3484.38*      Max WS    950423.10      567.72
760.27                  760.32     0.000045       2.11    556968.60     4343.39
     0.03
  PALUXY        LOWER PALUXY   3479.40*      Max WS    950422.90      567.72
760.27                  760.32     0.000045       2.11    557226.30     4346.11
     0.03
  PALUXY        LOWER PALUXY   3474.42*      Max WS    950422.80      567.72
760.27                  760.32     0.000045       2.11    557489.30     4348.83
     0.03
  PALUXY        LOWER PALUXY   3469.44*      Max WS    950422.70      567.71
760.27                  760.32     0.000045       2.11    557749.80     4351.56
     0.03
  PALUXY        LOWER PALUXY   3464.45*      Max WS    950422.60      567.71
760.27                  760.32     0.000045       2.11    558013.90     4354.28
     0.03
  PALUXY        LOWER PALUXY   3459.47*      Max WS    950422.50      567.70
760.27                  760.32     0.000045       2.11    558268.40     4357.00
     0.03
  PALUXY        LOWER PALUXY   3454.49*      Max WS    950422.40      567.70
760.27                  760.32     0.000045       2.10    558529.80     4359.73
     0.03
  PALUXY        LOWER PALUXY   3449.51*      Max WS    950422.30      567.70
760.27                  760.32     0.000045       2.10    558786.00     4362.45
     0.03
  PALUXY        LOWER PALUXY   3444.53*      Max WS    950422.10      567.69
760.27                  760.32     0.000045       2.10    559049.90     4365.17
     0.03
  PALUXY        LOWER PALUXY   3439.55*      Max WS    950422.00      567.69
760.27                  760.32     0.000045       2.10    559303.80     4367.90
     0.03
  PALUXY        LOWER PALUXY   3434.57*      Max WS    950421.90      567.68
760.27                  760.32     0.000045       2.10    559562.90     4370.62
     0.03
  PALUXY        LOWER PALUXY   3429.59*      Max WS    950421.80      567.68
760.27                  760.31     0.000045       2.10    559819.40     4373.35
     0.03
  PALUXY        LOWER PALUXY   3424.61*      Max WS    950421.70      567.68
760.27                  760.31     0.000045       2.10    560076.40     4376.07
     0.03
  PALUXY        LOWER PALUXY   3419.63*      Max WS    950421.60      567.67
760.27                  760.31     0.000044       2.10    560336.90     4378.79
     0.03
  PALUXY        LOWER PALUXY   3414.65*      Max WS    950421.40      567.67
760.27                  760.31     0.000044       2.10    560589.00     4381.52
     0.03
  PALUXY        LOWER PALUXY   3409.67*      Max WS    950421.30      567.67
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760.27                  760.31     0.000044       2.09    560849.50     4384.24
     0.03
  PALUXY        LOWER PALUXY   3404.69*      Max WS    950421.30      567.66
760.27                  760.31     0.000044       2.09    561104.20     4386.96
     0.03
  PALUXY        LOWER PALUXY   3399.71*      Max WS    950421.10      567.66
760.26                  760.31     0.000044       2.09    561357.10     4389.69
     0.03
  PALUXY        LOWER PALUXY   3394.73*      Max WS    950421.00      567.65
760.26                  760.31     0.000044       2.09    561614.30     4392.41
     0.03
  PALUXY        LOWER PALUXY   3389.75*      Max WS    950420.90      567.65
760.26                  760.31     0.000044       2.09    561865.40     4395.14
     0.03
  PALUXY        LOWER PALUXY   3384.77*      Max WS    950420.80      567.65
760.26                  760.31     0.000044       2.09    562117.10     4397.86
     0.03
  PALUXY        LOWER PALUXY   3379.79*      Max WS    950420.70      567.64
760.26                  760.31     0.000044       2.09    562373.60     4400.58
     0.03
  PALUXY        LOWER PALUXY   3374.81*      Max WS    950420.60      567.64
760.26                  760.31     0.000044       2.09    562630.10     4403.31
     0.03
  PALUXY        LOWER PALUXY   3369.82*      Max WS    950420.40      567.63
760.26                  760.31     0.000044       2.09    562885.80     4406.03
     0.03
  PALUXY        LOWER PALUXY   3364.84*      Max WS    950420.30      567.63
760.26                  760.31     0.000044       2.08    563134.10     4408.75
     0.03
  PALUXY        LOWER PALUXY   3359.86*      Max WS    950420.30      567.63
760.26                  760.31     0.000044       2.08    563387.40     4411.48
     0.03
  PALUXY        LOWER PALUXY   3354.88*      Max WS    950420.10      567.62
760.26                  760.31     0.000044       2.08    563631.40     4414.20
     0.03
  PALUXY        LOWER PALUXY   3349.90*      Max WS    950420.00      567.62
760.26                  760.31     0.000044       2.08    563882.40     4416.93
     0.03
  PALUXY        LOWER PALUXY   3344.92*      Max WS    950419.90      567.61
760.26                  760.31     0.000044       2.08    564136.00     4419.65
     0.03
  PALUXY        LOWER PALUXY   3339.94*      Max WS    950419.80      567.61
760.26                  760.30     0.000044       2.08    564388.60     4422.37
     0.03
  PALUXY        LOWER PALUXY   3334.96*      Max WS    950419.70      567.61
760.26                  760.30     0.000044       2.08    564639.80     4425.10
     0.03
  PALUXY        LOWER PALUXY   3329.98*      Max WS    950419.60      567.60
760.26                  760.30     0.000044       2.08    564893.10     4427.82
     0.03
  PALUXY        LOWER PALUXY   3325.00*      Max WS    950419.40      567.60
760.26                  760.30     0.000044       2.08    565141.40     4430.54
     0.03
  PALUXY        LOWER PALUXY   3320.02*      Max WS    950419.40      567.60
760.26                  760.30     0.000044       2.08    565388.70     4433.27
     0.03
  PALUXY        LOWER PALUXY   3315.04*      Max WS    950419.30      567.59
760.26                  760.30     0.000044       2.07    565637.50     4435.99
     0.03
  PALUXY        LOWER PALUXY   3310.06*      Max WS    950419.10      567.59
760.26                  760.30     0.000044       2.07    565881.10     4438.72
     0.03
  PALUXY        LOWER PALUXY   3305.08*      Max WS    950419.00      567.58
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760.26                  760.30     0.000043       2.07    566131.40     4441.44
     0.03
  PALUXY        LOWER PALUXY   3300.10*      Max WS    950418.90      567.58
760.25                  760.30     0.000043       2.07    566374.50     4444.16
     0.03
  PALUXY        LOWER PALUXY   3295.12*      Max WS    950418.80      567.58
760.25                  760.30     0.000043       2.07    566625.60     4446.89
     0.03
  PALUXY        LOWER PALUXY   3290.14*      Max WS    950418.70      567.57
760.25                  760.30     0.000043       2.07    566872.80     4449.61
     0.03
  PALUXY        LOWER PALUXY   3285.16*      Max WS    950418.60      567.57
760.25                  760.30     0.000043       2.07    567122.10     4452.33
     0.03
  PALUXY        LOWER PALUXY   3280.17*      Max WS    950418.50      567.56
760.25                  760.30     0.000043       2.07    567366.80     4455.06
     0.03
  PALUXY        LOWER PALUXY   3275.19*      Max WS    950418.40      567.56
760.25                  760.30     0.000043       2.07    567611.80     4457.78
     0.03
  PALUXY        LOWER PALUXY   3270.21*      Max WS    950418.30      567.56
760.25                  760.30     0.000043       2.06    567852.80     4460.51
     0.03
  PALUXY        LOWER PALUXY   3265.23*      Max WS    950418.20      567.55
760.25                  760.30     0.000043       2.06    568101.30     4463.23
     0.03
  PALUXY        LOWER PALUXY   3260.25*      Max WS    950418.10      567.55
760.25                  760.30     0.000043       2.06    568343.40     4465.95
     0.03
  PALUXY        LOWER PALUXY   3255.27*      Max WS    950418.00      567.54
760.25                  760.30     0.000043       2.06    568591.90     4468.68
     0.03
  PALUXY        LOWER PALUXY   3250.29*      Max WS    950417.90      567.54
760.25                  760.30     0.000043       2.06    568834.60     4471.40
     0.03
  PALUXY        LOWER PALUXY   3245.31*      Max WS    950417.80      567.54
760.25                  760.29     0.000043       2.06    569074.80     4474.12
     0.03
  PALUXY        LOWER PALUXY   3240.33*      Max WS    950417.70      567.53
760.25                  760.29     0.000043       2.06    569324.30     4476.85
     0.03
  PALUXY        LOWER PALUXY   3235.35*      Max WS    950417.60      567.53
760.25                  760.29     0.000043       2.06    569564.20     4479.57
     0.03
  PALUXY        LOWER PALUXY   3230.37*      Max WS    950417.40      567.53
760.25                  760.29     0.000043       2.06    569806.70     4482.30
     0.03
  PALUXY        LOWER PALUXY   3225.39*      Max WS    950417.40      567.52
760.25                  760.29     0.000043       2.06    570051.10     4485.02
     0.03
  PALUXY        LOWER PALUXY   3220.41*      Max WS    950417.30      567.52
760.25                  760.29     0.000043       2.05    570283.80     4487.74
     0.03
  PALUXY        LOWER PALUXY   3215.43*      Max WS    950417.10      567.51
760.25                  760.29     0.000043       2.05    570526.90     4490.47
     0.03
  PALUXY        LOWER PALUXY   3210.45*      Max WS    950417.10      567.51
760.25                  760.29     0.000043       2.05    570768.70     4493.19
     0.03
  PALUXY        LOWER PALUXY   3205.47*      Max WS    950416.90      567.51
760.25                  760.29     0.000043       2.05    571006.40     4495.91
     0.03
  PALUXY        LOWER PALUXY   3200.49*      Max WS    950416.90      567.50
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760.24                  760.29     0.000043       2.05    571245.50     4498.64
     0.03
  PALUXY        LOWER PALUXY   3195.51*      Max WS    950416.80      567.50
760.24                  760.29     0.000043       2.05    571484.60     4501.36
     0.03
  PALUXY        LOWER PALUXY   3190.53*      Max WS    950416.60      567.49
760.24                  760.29     0.000043       2.05    571729.80     4504.09
     0.03
  PALUXY        LOWER PALUXY   3185.54*      Max WS    950416.60      567.49
760.24                  760.29     0.000043       2.05    571964.10     4506.81
     0.03
  PALUXY        LOWER PALUXY   3180.56*      Max WS    950416.40      567.49
760.24                  760.29     0.000042       2.05    572203.40     4509.53
     0.03
  PALUXY        LOWER PALUXY   3175.58*      Max WS    950416.40      567.48
760.24                  760.29     0.000042       2.05    572442.10     4512.26
     0.03
  PALUXY        LOWER PALUXY   3170.60*      Max WS    950416.30      567.48
760.24                  760.29     0.000042       2.04    572675.90     4514.98
     0.03
  PALUXY        LOWER PALUXY   3165.62*      Max WS    950416.10      567.47
760.24                  760.29     0.000042       2.04    572918.10     4517.70
     0.03
  PALUXY        LOWER PALUXY   3160.64*      Max WS    950416.10      567.47
760.24                  760.29     0.000042       2.04    573148.40     4520.43
     0.03
  PALUXY        LOWER PALUXY   3155.66*      Max WS    950415.90      567.47
760.24                  760.29     0.000042       2.04    573390.80     4523.15
     0.03
  PALUXY        LOWER PALUXY   3150.68*      Max WS    950415.90      567.46
760.24                  760.29     0.000042       2.04    573625.40     4525.88
     0.03
  PALUXY        LOWER PALUXY   3145.70*      Max WS    950415.80      567.46
760.24                  760.28     0.000042       2.04    573861.10     4528.60
     0.03
  PALUXY        LOWER PALUXY   3140.72*      Max WS    950415.70      567.46
760.24                  760.28     0.000042       2.04    574098.30     4531.32
     0.03
  PALUXY        LOWER PALUXY   3135.74*      Max WS    950415.60      567.45
760.24                  760.28     0.000042       2.04    574335.90     4534.05
     0.03
  PALUXY        LOWER PALUXY   3130.76*      Max WS    950415.40      567.45
760.24                  760.28     0.000042       2.04    574566.90     4536.77
     0.03
  PALUXY        LOWER PALUXY   3125.78*      Max WS    950415.40      567.44
760.24                  760.28     0.000042       2.04    574797.60     4539.49
     0.03
  PALUXY        LOWER PALUXY   3120.80*      Max WS    950415.30      567.44
760.24                  760.28     0.000042       2.03    575030.80     4542.22
     0.03
  PALUXY        LOWER PALUXY   3115.82*      Max WS    950415.20      567.44
760.24                  760.28     0.000042       2.03    575263.20     4544.94
     0.03
  PALUXY        LOWER PALUXY   3110.84*      Max WS    950415.10      567.43
760.24                  760.28     0.000042       2.03    575496.10     4547.67
     0.03
  PALUXY        LOWER PALUXY   3105.86*      Max WS    950415.00      567.43
760.24                  760.28     0.000042       2.03    575734.70     4550.39
     0.03
  PALUXY        LOWER PALUXY   3100.88*      Max WS    950414.90      567.42
760.24                  760.28     0.000042       2.03    575965.20     4553.11
     0.03
  PALUXY        LOWER PALUXY   3095.9*       Max WS    950414.80      567.42
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760.23                  760.28     0.000042       2.03    576198.30     4555.84
     0.03
  PALUXY        LOWER PALUXY   3090.91*      Max WS    950414.70      567.42
760.23                  760.28     0.000042       2.03    576428.40     4558.56
     0.03
  PALUXY        LOWER PALUXY   3085.93*      Max WS    950414.60      567.41
760.23                  760.28     0.000042       2.03    576661.80     4561.28
     0.03
  PALUXY        LOWER PALUXY   3080.95*      Max WS    950414.50      567.41
760.23                  760.28     0.000042       2.03    576888.30     4564.01
     0.03
  PALUXY        LOWER PALUXY   3075.97*      Max WS    950414.40      567.40
760.23                  760.28     0.000042       2.03    577120.70     4566.73
     0.03
  PALUXY        LOWER PALUXY   3070.99*      Max WS    950414.30      567.40
760.23                  760.28     0.000042       2.03    577348.40     4569.45
     0.03
  PALUXY        LOWER PALUXY   3066.01*      Max WS    950414.20      567.40
760.23                  760.28     0.000042       2.02    577579.40     4572.18
     0.03
  PALUXY        LOWER PALUXY   3061.03*      Max WS    950414.10      567.39
760.23                  760.28     0.000042       2.02    577808.10     4574.90
     0.03
  PALUXY        LOWER PALUXY   3056.05*      Max WS    950414.00      567.39
760.23                  760.28     0.000042       2.02    578036.40     4577.63
     0.03
  PALUXY        LOWER PALUXY   3051.07*      Max WS    950413.90      567.39
760.23                  760.27     0.000042       2.02    578266.30     4580.35
     0.03
  PALUXY        LOWER PALUXY   3046.09*      Max WS    950413.90      567.38
760.23                  760.27     0.000041       2.02    578490.30     4583.07
     0.03
  PALUXY        LOWER PALUXY   3041.11*      Max WS    950413.80      567.38
760.23                  760.27     0.000041       2.02    578718.80     4585.80
     0.03
  PALUXY        LOWER PALUXY   3036.13*      Max WS    950413.70      567.37
760.23                  760.27     0.000041       2.02    578944.50     4588.52
     0.03
  PALUXY        LOWER PALUXY   3031.15*      Max WS    950413.60      567.37
760.23                  760.27     0.000041       2.02    579173.60     4591.24
     0.03
  PALUXY        LOWER PALUXY   3026.17*      Max WS    950413.50      567.37
760.23                  760.27     0.000041       2.02    579395.10     4593.97
     0.03
  PALUXY        LOWER PALUXY   3021.19*      Max WS    950413.40      567.36
760.23                  760.27     0.000041       2.02    579622.30     4596.69
     0.03
  PALUXY        LOWER PALUXY   3016.21*      Max WS    950413.30      567.36
760.23                  760.27     0.000041       2.01    579852.30     4599.42
     0.03
  PALUXY        LOWER PALUXY   3011.23*      Max WS    950413.20      567.35
760.23                  760.27     0.000041       2.01    580076.60     4602.14
     0.03
  PALUXY        LOWER PALUXY   3006.25*      Max WS    950413.10      567.35
760.23                  760.27     0.000041       2.01    580301.10     4604.86
     0.03
  PALUXY        LOWER PALUXY   3001.27*      Max WS    950413.00      567.35
760.23                  760.27     0.000041       2.01    580524.80     4607.59
     0.03
  PALUXY        LOWER PALUXY   2996.28*      Max WS    950412.90      567.34
760.23                  760.27     0.000041       2.01    580753.60     4610.31
     0.03
  PALUXY        LOWER PALUXY   2991.30*      Max WS    950412.80      567.34
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760.22                  760.27     0.000041       2.01    580969.90     4613.03
     0.03
  PALUXY        LOWER PALUXY   2986.32*      Max WS    950412.80      567.33
760.22                  760.27     0.000041       2.01    581198.60     4615.76
     0.03
  PALUXY        LOWER PALUXY   2981.34*      Max WS    950412.70      567.33
760.22                  760.27     0.000041       2.01    581423.80     4618.48
     0.03
  PALUXY        LOWER PALUXY   2976.36*      Max WS    950412.60      567.33
760.22                  760.27     0.000041       2.01    581645.70     4621.21
     0.03
  PALUXY        LOWER PALUXY   2971.38*      Max WS    950412.50      567.32
760.22                  760.27     0.000041       2.01    581865.10     4623.93
     0.03
  PALUXY        LOWER PALUXY   2966.40*      Max WS    950412.40      567.32
760.22                  760.27     0.000041       2.01    582089.30     4626.65
     0.03
  PALUXY        LOWER PALUXY   2961.42*      Max WS    950412.30      567.32
760.22                  760.27     0.000041       2.00    582307.30     4629.38
     0.03
  PALUXY        LOWER PALUXY   2956.44*      Max WS    950412.30      567.31
760.22                  760.27     0.000041       2.00    582531.40     4632.10
     0.03
  PALUXY        LOWER PALUXY   2951.46*      Max WS    950412.10      567.31
760.22                  760.26     0.000041       2.00    582748.10     4634.82
     0.03
  PALUXY        LOWER PALUXY   2946.48*      Max WS    950412.10      567.30
760.22                  760.26     0.000041       2.00    582969.00     4637.55
     0.03
  PALUXY        LOWER PALUXY   2941.50*      Max WS    950411.90      567.30
760.22                  760.26     0.000041       2.00    583189.40     4640.27
     0.03
  PALUXY        LOWER PALUXY   2936.52*      Max WS    950411.90      567.30
760.22                  760.26     0.000041       2.00    583413.10     4643.00
     0.03
  PALUXY        LOWER PALUXY   2931.54*      Max WS    950411.80      567.29
760.22                  760.26     0.000041       2.00    583628.10     4645.72
     0.03
  PALUXY        LOWER PALUXY   2926.56*      Max WS    950411.70      567.29
760.22                  760.26     0.000041       2.00    583849.40     4648.44
     0.03
  PALUXY        LOWER PALUXY   2921.58*      Max WS    950411.60      567.28
760.22                  760.26     0.000041       2.00    584065.10     4651.17
     0.03
  PALUXY        LOWER PALUXY   2916.6*       Max WS    950411.50      567.28
760.22                  760.26     0.000041       2.00    584279.30     4653.89
     0.03
  PALUXY        LOWER PALUXY   2911.62*      Max WS    950411.40      567.28
760.22                  760.26     0.000041       2.00    584501.40     4656.61
     0.03
  PALUXY        LOWER PALUXY   2906.63*      Max WS    950411.40      567.27
760.22                  760.26     0.000041       1.99    584718.30     4659.34
     0.03
  PALUXY        LOWER PALUXY   2901.65*      Max WS    950411.30      567.27
760.22                  760.26     0.000040       1.99    584939.60     4662.06
     0.03
  PALUXY        LOWER PALUXY   2896.67*      Max WS    950411.20      567.26
760.22                  760.26     0.000040       1.99    585147.30     4664.79
     0.03
  PALUXY        LOWER PALUXY   2891.69*      Max WS    950411.10      567.26
760.22                  760.26     0.000040       1.99    585362.40     4667.51
     0.03
  PALUXY        LOWER PALUXY   2886.71*      Max WS    950411.00      567.26
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760.21                  760.26     0.000040       1.99    585579.00     4670.23
     0.03
  PALUXY        LOWER PALUXY   2881.73*      Max WS    950410.90      567.25
760.21                  760.26     0.000040       1.99    585798.80     4672.96
     0.03
  PALUXY        LOWER PALUXY   2876.75*      Max WS    950410.90      567.25
760.21                  760.26     0.000040       1.99    586011.20     4675.68
     0.03
  PALUXY        LOWER PALUXY   2871.77*      Max WS    950410.80      567.25
760.21                  760.26     0.000040       1.99    586226.60     4678.40
     0.03
  PALUXY        LOWER PALUXY   2866.79*      Max WS    950410.70      567.24
760.21                  760.26     0.000040       1.99    586444.60     4681.13
     0.03
  PALUXY        LOWER PALUXY   2861.81*      Max WS    950410.60      567.24
760.21                  760.26     0.000040       1.99    586655.50     4683.85
     0.03
  PALUXY        LOWER PALUXY   2856.83*      Max WS    950410.50      567.23
760.21                  760.26     0.000040       1.99    586868.50     4686.58
     0.03
  PALUXY        LOWER PALUXY   2851.85*      Max WS    950410.40      567.23
760.21                  760.25     0.000040       1.98    587078.20     4689.30
     0.03
  PALUXY        LOWER PALUXY   2846.87*      Max WS    950410.40      567.23
760.21                  760.25     0.000040       1.98    587288.30     4692.02
     0.03
  PALUXY        LOWER PALUXY   2841.89*      Max WS    950410.30      567.22
760.21                  760.25     0.000040       1.98    587502.50     4694.75
     0.03
  PALUXY        LOWER PALUXY   2836.91*      Max WS    950410.20      567.22
760.21                  760.25     0.000040       1.98    587718.80     4697.47
     0.03
  PALUXY        LOWER PALUXY   2831.93*      Max WS    950410.10      567.21
760.21                  760.25     0.000040       1.98    587933.40     4700.19
     0.03
  PALUXY        LOWER PALUXY   2826.95*      Max WS    950410.00      567.21
760.21                  760.25     0.000040       1.98    588145.00     4702.92
     0.03
  PALUXY        LOWER PALUXY   2821.97*      Max WS    950409.90      567.21
760.21                  760.25     0.000040       1.98    588350.90     4705.64
     0.03
  PALUXY        LOWER PALUXY   2816.99*      Max WS    950409.90      567.20
760.21                  760.25     0.000040       1.98    588560.60     4708.37
     0.03
  PALUXY        LOWER PALUXY   2812.00*      Max WS    950409.80      567.20
760.21                  760.25     0.000040       1.98    588770.60     4711.09
     0.03
  PALUXY        LOWER PALUXY   2807.02*      Max WS    950409.70      567.19
760.21                  760.25     0.000040       1.98    588978.30     4713.81
     0.03
  PALUXY        LOWER PALUXY   2802.04*      Max WS    950409.60      567.19
760.21                  760.25     0.000040       1.98    589185.30     4716.54
     0.03
  PALUXY        LOWER PALUXY   2797.06*      Max WS    950409.60      567.19
760.21                  760.25     0.000040       1.97    589397.90     4719.26
     0.03
  PALUXY        LOWER PALUXY   2792.08*      Max WS    950409.50      567.18
760.21                  760.25     0.000040       1.97    589605.20     4721.98
     0.03
  PALUXY        LOWER PALUXY   2787.10*      Max WS    950409.40      567.18
760.21                  760.25     0.000040       1.97    589816.60     4724.71
     0.03
  PALUXY        LOWER PALUXY   2782.12*      Max WS    950409.30      567.18
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760.20                  760.25     0.000040       1.97    590024.30     4727.43
     0.03
  PALUXY        LOWER PALUXY   2777.14*      Max WS    950409.30      567.17
760.20                  760.25     0.000040       1.97    590229.80     4730.15
     0.03
  PALUXY        LOWER PALUXY   2772.16*      Max WS    950409.20      567.17
760.20                  760.25     0.000040       1.97    590433.10     4732.88
     0.03
  PALUXY        LOWER PALUXY   2767.18*      Max WS    950409.10      567.16
760.20                  760.25     0.000040       1.97    590646.30     4735.60
     0.03
  PALUXY        LOWER PALUXY   2762.20*      Max WS    950409.00      567.16
760.20                  760.25     0.000040       1.97    590846.70     4738.33
     0.03
  PALUXY        LOWER PALUXY   2757.22*      Max WS    950408.90      567.16
760.20                  760.24     0.000040       1.97    591053.80     4741.05
     0.03
  PALUXY        LOWER PALUXY   2752.24*      Max WS    950408.90      567.15
760.20                  760.24     0.000040       1.97    591258.90     4743.77
     0.03
  PALUXY        LOWER PALUXY   2747.26*      Max WS    950408.80      567.15
760.20                  760.24     0.000040       1.97    591460.30     4746.50
     0.03
  PALUXY        LOWER PALUXY   2742.28*      Max WS    950408.70      567.14
760.20                  760.24     0.000039       1.97    591664.20     4749.22
     0.03
  PALUXY        LOWER PALUXY   2737.30*      Max WS    950408.60      567.14
760.20                  760.24     0.000039       1.96    591871.10     4751.94
     0.03
  PALUXY        LOWER PALUXY   2732.32*      Max WS    950408.60      567.14
760.20                  760.24     0.000039       1.96    592078.80     4754.67
     0.03
  PALUXY        LOWER PALUXY   2727.34*      Max WS    950408.50      567.13
760.20                  760.24     0.000039       1.96    592280.40     4757.39
     0.03
  PALUXY        LOWER PALUXY   2722.36*      Max WS    950408.40      567.13
760.20                  760.24     0.000039       1.96    592484.00     4760.12
     0.03
  PALUXY        LOWER PALUXY   2717.37*      Max WS    950408.30      567.12
760.20                  760.24     0.000039       1.96    592681.10     4762.84
     0.03
  PALUXY        LOWER PALUXY   2712.39*      Max WS    950408.30      567.12
760.20                  760.24     0.000039       1.96    592884.90     4765.56
     0.03
  PALUXY        LOWER PALUXY   2707.41*      Max WS    950408.20      567.12
760.20                  760.24     0.000039       1.96    593084.20     4768.29
     0.03
  PALUXY        LOWER PALUXY   2702.43*      Max WS    950408.10      567.11
760.20                  760.24     0.000039       1.96    593286.20     4771.01
     0.03
  PALUXY        LOWER PALUXY   2697.45*      Max WS    950408.10      567.11
760.20                  760.24     0.000039       1.96    593490.30     4773.73
     0.03
  PALUXY        LOWER PALUXY   2692.47*      Max WS    950407.90      567.11
760.20                  760.24     0.000039       1.96    593692.00     4776.46
     0.03
  PALUXY        LOWER PALUXY   2687.49*      Max WS    950407.90      567.10
760.20                  760.24     0.000039       1.96    593895.60     4779.18
     0.03
  PALUXY        LOWER PALUXY   2682.51*      Max WS    950407.80      567.10
760.20                  760.24     0.000039       1.95    594091.30     4781.91
     0.03
  PALUXY        LOWER PALUXY   2677.53*      Max WS    950407.80      567.09
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760.19                  760.24     0.000039       1.95    594295.90     4784.63
     0.03
  PALUXY        LOWER PALUXY   2672.55*      Max WS    950407.70      567.09
760.19                  760.24     0.000039       1.95    594494.10     4787.35
     0.03
  PALUXY        LOWER PALUXY   2667.57*      Max WS    950407.60      567.09
760.19                  760.24     0.000039       1.95    594689.10     4790.08
     0.03
  PALUXY        LOWER PALUXY   2662.59*      Max WS    950407.60      567.08
760.19                  760.24     0.000039       1.95    594887.50     4792.80
     0.03
  PALUXY        LOWER PALUXY   2657.61*      Max WS    950407.40      567.08
760.19                  760.24     0.000039       1.95    595085.10     4795.52
     0.03
  PALUXY        LOWER PALUXY   2652.63*      Max WS    950407.40      567.07
760.19                  760.23     0.000039       1.95    595282.10     4798.25
     0.03
  PALUXY        LOWER PALUXY   2647.65*      Max WS    950407.30      567.07
760.19                  760.23     0.000039       1.95    595481.30     4800.97
     0.03
  PALUXY        LOWER PALUXY   2642.67*      Max WS    950407.30      567.07
760.19                  760.23     0.000039       1.95    595675.30     4803.70
     0.03
  PALUXY        LOWER PALUXY   2637.69*      Max WS    950407.20      567.06
760.19                  760.23     0.000039       1.95    595875.40     4806.42
     0.03
  PALUXY        LOWER PALUXY   2632.71*      Max WS    950407.10      567.06
760.19                  760.23     0.000039       1.95    596071.10     4809.14
     0.03
  PALUXY        LOWER PALUXY   2627.72*      Max WS    950407.10      567.05
760.19                  760.23     0.000039       1.95    596270.10     4811.87
     0.03
  PALUXY        LOWER PALUXY   2622.74*      Max WS    950407.00      567.05
760.19                  760.23     0.000039       1.94    596456.20     4814.59
     0.03
  PALUXY        LOWER PALUXY   2617.76*      Max WS    950406.90      567.05
760.19                  760.23     0.000039       1.94    596653.50     4817.31
     0.03
  PALUXY        LOWER PALUXY   2612.78*      Max WS    950406.80      567.04
760.19                  760.23     0.000039       1.94    596846.60     4820.04
     0.03
  PALUXY        LOWER PALUXY   2607.80*      Max WS    950406.80      567.04
760.19                  760.23     0.000039       1.94    597042.80     4822.76
     0.03
  PALUXY        LOWER PALUXY   2602.82*      Max WS    950406.70      567.04
760.19                  760.23     0.000039       1.94    597236.40     4825.49
     0.03
  PALUXY        LOWER PALUXY   2597.84*      Max WS    950406.60      567.03
760.19                  760.23     0.000039       1.94    597436.60     4828.21
     0.03
  PALUXY        LOWER PALUXY   2592.86*      Max WS    950406.60      567.03
760.19                  760.23     0.000039       1.94    597628.70     4830.93
     0.03
  PALUXY        LOWER PALUXY   2587.88*      Max WS    950406.50      567.02
760.19                  760.23     0.000039       1.94    597820.40     4833.66
     0.03
  PALUXY        LOWER PALUXY   2582.90*      Max WS    950406.40      567.02
760.19                  760.23     0.000039       1.94    598011.60     4836.38
     0.03
  PALUXY        LOWER PALUXY   2577.92*      Max WS    950406.40      567.02
760.19                  760.23     0.000039       1.94    598196.80     4839.10
     0.03
  PALUXY        LOWER PALUXY   2572.94*      Max WS    950406.30      567.01
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760.19                  760.23     0.000038       1.94    598390.30     4841.83
     0.03
  PALUXY        LOWER PALUXY   2567.96*      Max WS    950406.30      567.01
760.18                  760.23     0.000038       1.94    598577.30     4844.55
     0.03
  PALUXY        LOWER PALUXY   2562.98*      Max WS    950406.20      567.00
760.18                  760.23     0.000038       1.93    598777.00     4847.28
     0.03
  PALUXY        LOWER PALUXY   2558          Max WS    950406.10      567.00
760.18                  760.23     0.000038       1.93    598966.30     4850.00
     0.03
  PALUXY        LOWER PALUXY   924           Max WS    549521.40      566.00
760.06                  760.07     0.000009       0.91    748731.90     6450.00
     0.01
  PALUXY        LOWER PALUXY   923.5*        Max WS    974293.10      565.99
760.05                  760.08     0.000028       1.62    748704.30     6450.00
     0.02
  PALUXY        LOWER PALUXY   923.*         Max WS    967918.60      565.98
760.05                  760.08     0.000028       1.61    748706.30     6450.00
     0.02
  PALUXY        LOWER PALUXY   922.5*        Max WS    974293.10      565.97
760.05                  760.08     0.000028       1.62    748709.00     6450.00
     0.02
  PALUXY        LOWER PALUXY   922.*         Max WS    967918.60      565.96
760.05                  760.08     0.000028       1.61    748711.80     6450.00
     0.02
  PALUXY        LOWER PALUXY   921.5*        Max WS    974293.10      565.95
760.05                  760.08     0.000028       1.62    748714.10     6450.00
     0.02
  PALUXY        LOWER PALUXY   921.*         Max WS    967918.60      565.94
760.05                  760.08     0.000028       1.61    748716.90     6450.00
     0.02
  PALUXY        LOWER PALUXY   920.5*        Max WS    974293.10      565.93
760.05                  760.08     0.000028       1.62    748719.60     6450.00
     0.02
  PALUXY        LOWER PALUXY   920.*         Max WS    967918.60      565.92
760.05                  760.08     0.000028       1.61    748721.60     6450.00
     0.02
  PALUXY        LOWER PALUXY   919.5*        Max WS    974293.10      565.91
760.05                  760.08     0.000028       1.62    748723.60     6450.00
     0.02
  PALUXY        LOWER PALUXY   919.*         Max WS    967918.60      565.90
760.05                  760.08     0.000028       1.61    748726.30     6450.00
     0.02
  PALUXY        LOWER PALUXY   918.5*        Max WS    974293.10      565.89
760.05                  760.08     0.000028       1.62    748729.10     6450.00
     0.02
  PALUXY        LOWER PALUXY   918.*         Max WS    967918.60      565.88
760.05                  760.08     0.000028       1.61    748731.40     6450.00
     0.02
  PALUXY        LOWER PALUXY   917.5*        Max WS    967918.60      565.87
760.05                  760.08     0.000028       1.61    748734.10     6450.00
     0.02
  PALUXY        LOWER PALUXY   917.*         Max WS    967918.60      565.86
760.05                  760.08     0.000028       1.61    748736.10     6450.00
     0.02
  PALUXY        LOWER PALUXY   916.5*        Max WS    974293.10      565.85
760.05                  760.08     0.000028       1.62    748738.90     6450.00
     0.02
  PALUXY        LOWER PALUXY   916.*         Max WS    967918.60      565.84
760.05                  760.08     0.000028       1.61    748740.90     6450.00
     0.02
  PALUXY        LOWER PALUXY   915.5*        Max WS    967918.60      565.83
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760.05                  760.08     0.000028       1.61    748743.60     6450.00
     0.02
  PALUXY        LOWER PALUXY   915.*         Max WS    967918.60      565.82
760.05                  760.08     0.000028       1.61    748745.90     6450.00
     0.02
  PALUXY        LOWER PALUXY   914.5*        Max WS    967918.60      565.81
760.05                  760.08     0.000028       1.61    748748.70     6450.00
     0.02
  PALUXY        LOWER PALUXY   914.*         Max WS    974293.10      565.80
760.05                  760.08     0.000028       1.62    748750.60     6450.00
     0.02
  PALUXY        LOWER PALUXY   913.5*        Max WS    967918.60      565.79
760.05                  760.08     0.000028       1.61    748753.40     6450.00
     0.02
  PALUXY        LOWER PALUXY   913.*         Max WS    967918.60      565.78
760.05                  760.08     0.000028       1.61    748755.80     6450.00
     0.02
  PALUXY        LOWER PALUXY   912.5*        Max WS    967918.60      565.77
760.05                  760.08     0.000028       1.61    748758.50     6450.00
     0.02
  PALUXY        LOWER PALUXY   912.*         Max WS    974293.10      565.76
760.05                  760.08     0.000028       1.62    748761.30     6450.00
     0.02
  PALUXY        LOWER PALUXY   911.5*        Max WS    967918.60      565.75
760.05                  760.08     0.000028       1.61    748763.30     6450.00
     0.02
  PALUXY        LOWER PALUXY   911.*         Max WS    974293.10      565.74
760.05                  760.08     0.000028       1.62    748766.00     6450.00
     0.02
  PALUXY        LOWER PALUXY   910.5*        Max WS    967918.60      565.73
760.05                  760.08     0.000028       1.61    748767.90     6450.00
     0.02
  PALUXY        LOWER PALUXY   910.*         Max WS    974293.10      565.72
760.05                  760.08     0.000028       1.62    748770.70     6450.00
     0.02
  PALUXY        LOWER PALUXY   909.5*        Max WS    967918.60      565.71
760.05                  760.08     0.000028       1.61    748773.00     6450.00
     0.02
  PALUXY        LOWER PALUXY   909.*         Max WS    974293.10      565.70
760.05                  760.08     0.000028       1.62    748775.80     6450.00
     0.02
  PALUXY        LOWER PALUXY   908.5*        Max WS    967918.60      565.69
760.05                  760.08     0.000028       1.61    748778.50     6450.00
     0.02
  PALUXY        LOWER PALUXY   908.*         Max WS    967918.60      565.68
760.05                  760.08     0.000028       1.61    748780.50     6450.00
     0.02
  PALUXY        LOWER PALUXY   907.5*        Max WS    967918.60      565.67
760.05                  760.08     0.000028       1.61    748782.40     6450.00
     0.02
  PALUXY        LOWER PALUXY   907.*         Max WS    974293.10      565.66
760.05                  760.08     0.000028       1.62    748785.20     6450.00
     0.02
  PALUXY        LOWER PALUXY   906.5*        Max WS    967918.60      565.65
760.05                  760.08     0.000028       1.61    748787.90     6450.00
     0.02
  PALUXY        LOWER PALUXY   906.*         Max WS    967918.60      565.64
760.05                  760.08     0.000028       1.61    748790.30     6450.00
     0.02
  PALUXY        LOWER PALUXY   905.5*        Max WS    967918.60      565.63
760.05                  760.08     0.000028       1.61    748793.10     6450.00
     0.02
  PALUXY        LOWER PALUXY   905.*         Max WS    974293.10      565.62
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760.05                  760.08     0.000028       1.62    748795.80     6450.00
     0.02
  PALUXY        LOWER PALUXY   904.5*        Max WS    974293.10      565.61
760.05                  760.08     0.000028       1.62    748797.80     6450.00
     0.02
  PALUXY        LOWER PALUXY   904.*         Max WS    967918.60      565.60
760.05                  760.08     0.000028       1.61    748799.80     6450.00
     0.02
  PALUXY        LOWER PALUXY   903.5*        Max WS    957857.50      565.59
760.05                  760.08     0.000027       1.59    748802.50     6450.00
     0.02
  PALUXY        LOWER PALUXY   903.*         Max WS    967918.60      565.58
760.05                  760.08     0.000028       1.61    748805.30     6450.00
     0.02
  PALUXY        LOWER PALUXY   902.5*        Max WS    974293.10      565.57
760.05                  760.08     0.000028       1.62    748807.60     6450.00
     0.02
  PALUXY        LOWER PALUXY   902.*         Max WS    967918.60      565.56
760.05                  760.08     0.000028       1.61    748810.30     6450.00
     0.02
  PALUXY        LOWER PALUXY   901.5*        Max WS    957857.50      565.55
760.05                  760.08     0.000027       1.59    748812.30     6450.00
     0.02
  PALUXY        LOWER PALUXY   901.*         Max WS    967918.60      565.54
760.05                  760.08     0.000028       1.61    748815.10     6450.00
     0.02
  PALUXY        LOWER PALUXY   900.5*        Max WS    974293.10      565.53
760.05                  760.08     0.000028       1.62    748817.40     6450.00
     0.02
  PALUXY        LOWER PALUXY   900.*         Max WS    967918.60      565.52
760.05                  760.08     0.000028       1.61    748820.20     6450.00
     0.02
  PALUXY        LOWER PALUXY   899.5*        Max WS    957857.50      565.51
760.05                  760.08     0.000027       1.59    748822.10     6450.00
     0.02
  PALUXY        LOWER PALUXY   899.*         Max WS    967918.60      565.50
760.05                  760.08     0.000028       1.61    748824.90     6450.00
     0.02
  PALUXY        LOWER PALUXY   898.5*        Max WS    974293.10      565.49
760.05                  760.08     0.000028       1.62    748826.90     6450.00
     0.02
  PALUXY        LOWER PALUXY   898.*         Max WS    967918.60      565.48
760.05                  760.08     0.000028       1.61    748829.60     6450.00
     0.02
  PALUXY        LOWER PALUXY   897.5*        Max WS    967918.60      565.47
760.05                  760.08     0.000028       1.61    748831.90     6450.00
     0.02
  PALUXY        LOWER PALUXY   897.*         Max WS    967918.60      565.46
760.05                  760.08     0.000028       1.61    748834.70     6450.00
     0.02
  PALUXY        LOWER PALUXY   896.5*        Max WS    974293.10      565.45
760.05                  760.08     0.000028       1.62    748837.40     6450.00
     0.02
  PALUXY        LOWER PALUXY   896.*         Max WS    957857.50      565.44
760.05                  760.08     0.000027       1.59    748839.40     6450.00
     0.02
  PALUXY        LOWER PALUXY   895.5*        Max WS    967918.60      565.43
760.05                  760.08     0.000028       1.61    748841.40     6450.00
     0.02
  PALUXY        LOWER PALUXY   895.*         Max WS    967918.60      565.42
760.05                  760.08     0.000028       1.61    748844.10     6450.00
     0.02
  PALUXY        LOWER PALUXY   894.5*        Max WS    974293.10      565.41
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760.05                  760.08     0.000028       1.62    748846.90     6450.00
     0.02
  PALUXY        LOWER PALUXY   894.*         Max WS    957857.50      565.40
760.05                  760.08     0.000027       1.59    748849.30     6450.00
     0.02
  PALUXY        LOWER PALUXY   893.5*        Max WS    967918.60      565.39
760.05                  760.08     0.000028       1.61    748852.00     6450.00
     0.02
  PALUXY        LOWER PALUXY   893.*         Max WS    967918.60      565.38
760.05                  760.08     0.000028       1.61    748854.80     6450.00
     0.02
  PALUXY        LOWER PALUXY   892.5*        Max WS    974293.10      565.37
760.05                  760.08     0.000028       1.62    748856.70     6450.00
     0.02
  PALUXY        LOWER PALUXY   892.*         Max WS    957857.50      565.36
760.05                  760.08     0.000027       1.59    748858.60     6450.00
     0.02
  PALUXY        LOWER PALUXY   891.5*        Max WS    957857.50      565.35
760.05                  760.08     0.000027       1.59    748861.40     6450.00
     0.02
  PALUXY        LOWER PALUXY   891.*         Max WS    967918.60      565.34
760.05                  760.08     0.000028       1.61    748864.10     6450.00
     0.02
  PALUXY        LOWER PALUXY   890.5*        Max WS    967918.60      565.33
760.05                  760.08     0.000028       1.61    748866.50     6450.00
     0.02
  PALUXY        LOWER PALUXY   890.*         Max WS    967918.60      565.32
760.05                  760.08     0.000028       1.61    748869.30     6450.00
     0.02
  PALUXY        LOWER PALUXY   889.5*        Max WS    945900.10      565.31
760.05                  760.08     0.000026       1.57    748871.30     6450.00
     0.02
  PALUXY        LOWER PALUXY   889.*         Max WS    967918.60      565.30
760.05                  760.08     0.000028       1.61    748874.00     6450.00
     0.02
  PALUXY        LOWER PALUXY   888.5*        Max WS    957857.60      565.29
760.05                  760.08     0.000027       1.59    748876.00     6450.00
     0.02
  PALUXY        LOWER PALUXY   888.*         Max WS    967918.60      565.28
760.05                  760.08     0.000028       1.61    748878.80     6450.00
     0.02
  PALUXY        LOWER PALUXY   887.5*        Max WS    945900.10      565.27
760.05                  760.08     0.000026       1.57    748881.10     6450.00
     0.02
  PALUXY        LOWER PALUXY   887.*         Max WS    967918.60      565.26
760.05                  760.08     0.000028       1.61    748883.80     6450.00
     0.02
  PALUXY        LOWER PALUXY   886.5*        Max WS    957857.60      565.25
760.05                  760.08     0.000027       1.59    748885.80     6450.00
     0.02
  PALUXY        LOWER PALUXY   886.*         Max WS    945900.10      565.24
760.05                  760.08     0.000026       1.57    748888.50     6450.00
     0.02
  PALUXY        LOWER PALUXY   885.5*        Max WS    957857.60      565.23
760.05                  760.08     0.000027       1.59    748890.90     6450.00
     0.02
  PALUXY        LOWER PALUXY   885.*         Max WS    967918.60      565.22
760.05                  760.08     0.000028       1.61    748893.60     6450.00
     0.02
  PALUXY        LOWER PALUXY   884.5*        Max WS    957857.60      565.21
760.05                  760.08     0.000027       1.59    748896.40     6450.00
     0.02
  PALUXY        LOWER PALUXY   884.*         Max WS    945900.10      565.20
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760.05                  760.08     0.000026       1.57    748898.30     6450.00
     0.02
  PALUXY        LOWER PALUXY   883.5*        Max WS    932516.70      565.19
760.05                  760.08     0.000026       1.55    748900.30     6450.00
     0.02
  PALUXY        LOWER PALUXY   883.*         Max WS    967918.60      565.18
760.05                  760.08     0.000028       1.61    748903.10     6450.00
     0.02
  PALUXY        LOWER PALUXY   882.5*        Max WS    967918.60      565.17
760.05                  760.08     0.000028       1.61    748905.80     6450.00
     0.02
  PALUXY        LOWER PALUXY   882.*         Max WS    957857.60      565.16
760.05                  760.08     0.000027       1.59    748908.10     6450.00
     0.02
  PALUXY        LOWER PALUXY   881.5*        Max WS    945900.10      565.15
760.05                  760.08     0.000026       1.57    748910.90     6450.00
     0.02
  PALUXY        LOWER PALUXY   881.*         Max WS    957857.60      565.14
760.05                  760.08     0.000027       1.59    748913.60     6450.00
     0.02
  PALUXY        LOWER PALUXY   880.5*        Max WS    945900.10      565.13
760.05                  760.08     0.000026       1.57    748915.60     6450.00
     0.02
  PALUXY        LOWER PALUXY   880.*         Max WS    932516.70      565.12
760.05                  760.08     0.000026       1.55    748917.60     6450.00
     0.02
  PALUXY        LOWER PALUXY   879.5*        Max WS    932516.70      565.11
760.05                  760.08     0.000026       1.55    748920.30     6450.00
     0.02
  PALUXY        LOWER PALUXY   879.*         Max WS    957857.60      565.10
760.05                  760.08     0.000027       1.59    748923.10     6450.00
     0.02
  PALUXY        LOWER PALUXY   878.5*        Max WS    932516.70      565.09
760.05                  760.08     0.000026       1.55    748925.40     6450.00
     0.02
  PALUXY        LOWER PALUXY   878.*         Max WS    902013.40      565.08
760.05                  760.08     0.000024       1.50    748928.20     6450.00
     0.02
  PALUXY        LOWER PALUXY   877.5*        Max WS    867489.60      565.07
760.05                  760.07     0.000022       1.44    748930.10     6450.00
     0.02
  PALUXY        LOWER PALUXY   877.*         Max WS    945900.10      565.06
760.05                  760.08     0.000026       1.57    748932.90     6450.00
     0.02
  PALUXY        LOWER PALUXY   876.5*        Max WS    902013.40      565.05
760.05                  760.07     0.000024       1.50    748934.80     6450.00
     0.02
  PALUXY        LOWER PALUXY   876.*         Max WS    848811.50      565.04
760.05                  760.07     0.000021       1.41    748937.60     6450.00
     0.02
  PALUXY        LOWER PALUXY   875.5*        Max WS    736487.60      565.03
760.05                  760.07     0.000016       1.23    748939.90     6450.00
     0.02
  PALUXY        LOWER PALUXY   875.*         Max WS    902013.40      565.02
760.05                  760.07     0.000024       1.50    748942.70     6450.00
     0.02
  PALUXY        LOWER PALUXY   874.5*        Max WS    593777.30      565.01
760.05                  760.06     0.000010       0.99    748944.70     6450.00
     0.01
  PALUXY        LOWER PALUXY   874           Max WS        10.49      565.00
760.05      565.05      760.05     0.000000       0.00    748947.40     6450.00
     0.00
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Profile Output Table - Standard Table 2

River	Reach	River Sta	Profile	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
											(ft)	(ft)
(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)						
SQUAW CREEK	SC	24757	Max WS	760.31	760.31	0.00	0.00		3146.43	683.32	1662.11	3425.21
SQUAW CREEK	SC	24756.*	Max WS	760.31	760.31	0.00	0.00		3146.22	683.63	1662.00	3425.21
SQUAW CREEK	SC	24755.*	Max WS	760.31	760.31	0.00	0.00		3146.02	683.94	1661.89	3425.21
SQUAW CREEK	SC	24754.*	Max WS	760.31	760.31	0.00	0.00		3145.81	684.25	1661.78	3425.21
SQUAW CREEK	SC	24753.*	Max WS	760.31	760.31	0.00	0.00		3145.61	684.56	1661.67	3425.21
SQUAW CREEK	SC	24752.*	Max WS	760.31	760.31	0.00	0.00		3145.41	684.87	1661.57	3425.21
SQUAW CREEK	SC	24751.*	Max WS	760.31	760.31	0.00	0.00		3145.20	685.18	1661.46	3425.21
SQUAW CREEK	SC	24750.*	Max WS	760.31	760.31	0.00	0.00		3145.00	685.48	1661.35	3425.21
SQUAW CREEK	SC	24749.*	Max WS	760.31	760.31	0.00	0.00		3144.80	685.79	1661.24	3425.21
SQUAW CREEK	SC	24748.*	Max WS	760.31	760.31	0.00	0.00		3144.59	686.10	1661.13	3425.21
SQUAW CREEK	SC	24747	Max WS	760.31	760.31	0.00	0.00		3144.39	686.41	1661.03	3425.21
SQUAW CREEK	SC	24722.5*	Max WS	760.31	760.31	0.00	0.00		3144.01	686.93	1660.83	3425.21
SQUAW CREEK	SC	24698.*	Max WS	760.31	760.31	0.00	0.00		3143.65	687.41	1660.64	3425.21
SQUAW CREEK	SC	24673.5*	Max WS	760.31	760.31	0.00	0.00		3143.27	687.93	1660.44	3425.21
SQUAW CREEK	SC	24649.*	Max WS	760.31	760.31	0.00	0.00		3142.90	688.44	1660.24	3425.21
SQUAW CREEK	SC	24624.5*	Max WS	760.31	760.31	0.00	0.00		3142.54	688.93	1660.05	3425.21
SQUAW CREEK	SC	24600	Max WS	760.31	760.31	0.00	0.00		3142.17	689.44	1659.85	3425.21
SQUAW CREEK	SC	24576.2*	Max WS	760.31	760.31	0.00	0.00		3071.94	706.08	1713.39	3439.04
SQUAW CREEK	SC	24552.4*	Max WS	760.31	760.31	0.00	0.00		3001.07	723.09	1767.19	3452.88
SQUAW CREEK	SC	24528.6*	Max WS	760.31	760.31	0.00	0.00		2929.59	740.44	1821.26	3466.78
SQUAW CREEK	SC	24504.9*	Max WS	760.31	760.31	0.00	0.00		2857.32	758.13	1875.78	3480.72
SQUAW CREEK	SC	24481.1*	Max WS	760.31	760.31	0.00	0.00		2784.39	776.18	1930.59	3494.62
SQUAW CREEK	SC	24457.3*	Max WS	760.31	760.31	0.00	0.00		2710.73	794.64	1985.74	3508.48
SQUAW CREEK	SC	24433.6*	Max WS	760.31	760.31	0.00	0.00		2636.52	813.41	2041.12	3522.29
SQUAW CREEK	SC	24409.8*	Max WS	760.31	760.31	0.00	0.00		2561.54	832.51	2096.94	3536.07
SQUAW CREEK	SC	24386.0*	Max WS	760.31	760.31							

0.00	0.00	2485.88	851.98	2153.07	3549.80	SQUAW CREEK	SC
0.00	0.00	2409.57	871.69	2209.61	3563.47	SQUAW CREEK	SC
0.00	0.00	2332.76	891.77	2266.28	3576.96	SQUAW CREEK	SC
0.00	0.00	2255.37	912.12	2323.27	3590.38	SQUAW CREEK	SC
0.00	0.00	2177.42	932.81	2380.47	3603.64	SQUAW CREEK	SC
0.00	0.00	1730.27	1006.01	2753.48	3820.50	SQUAW CREEK	SC
0.00	0.00	1722.64	872.39	2894.46	3825.13	SQUAW CREEK	SC
0.00	0.00	1720.70	742.43	3026.11	3834.06	SQUAW CREEK	SC
0.00	0.00	1723.80	616.93	3148.27	3846.53	SQUAW CREEK	SC
0.00	0.00	1512.66	494.05	3481.98	4640.30	SQUAW CREEK	SC
0.00	0.00	1394.84	425.01	3668.48	5455.35	SQUAW CREEK	SC
0.00	0.00	1311.29	382.88	3793.74	6319.90	SQUAW CREEK	SC
0.00	0.00	1665.39	468.92	3353.04	7194.29	SQUAW CREEK	SC
0.00	0.00	1321.60	368.90	3796.66	6902.43	SQUAW CREEK	SC
0.00	0.00	1386.66	383.71	3716.60	6608.74	SQUAW CREEK	SC
0.00	0.00	1452.43	398.55	3635.78	6301.88	SQUAW CREEK	SC
0.00	0.00	1512.56	411.63	3562.39	5950.66	SQUAW CREEK	SC
0.00	0.00	1571.36	424.08	3490.96	5598.45	SQUAW CREEK	SC
0.00	0.00	1631.59	436.81	3417.84	5263.98	SQUAW CREEK	SC
0.00	0.00	1708.80	453.86	3323.41	5005.33	SQUAW CREEK	SC
0.00	0.00	1793.43	472.61	3219.87	4760.30	SQUAW CREEK	SC
0.00	0.00	1886.84	493.34	3105.59	4526.64	SQUAW CREEK	SC
0.00	0.00	1990.34	516.47	2978.82	4302.45	SQUAW CREEK	SC
0.00	0.00	2106.17	542.42	2836.92	4086.38	SQUAW CREEK	SC
0.00	0.00	2236.56	571.67	2677.17	3877.40	SQUAW CREEK	SC
0.00	0.00	2384.53	605.05	2495.69	3674.36	SQUAW CREEK	SC
0.00	0.00	3198.98	545.73	1739.58	3990.90	SQUAW CREEK	SC
0.00	0.00	3952.64	856.43	673.47	4754.67	SQUAW CREEK	SC
0.00	0.00	3974.94	867.12	640.18	4950.60	SQUAW CREEK	SC
0.00	0.00	3995.69	877.15	609.10	5149.54	SQUAW CREEK	SC
0.00	0.00	4014.99	886.72	579.92	5351.86	SQUAW CREEK	SC
0.00	0.00	4035.86	896.47	549.00	5566.81	SQUAW CREEK	SC

24362.3*	Max WS	760.31	760.31		
24338.5*	Max WS	760.31	760.31		
24314.7*	Max WS	760.31	760.31		
24291	Max WS	760.31	760.31		
23906	Max WS	760.31	760.31		
23793.3*	Max WS	760.31	760.31		
23680.6*	Max WS	760.31	760.31		
23568	Max WS	760.31	760.31		
23437.*	Max WS	760.31	760.31		
23306.*	Max WS	760.31	760.31		
23175.*	Max WS	760.31	760.31		
23044	Max WS	760.31	760.31		
22997.6*	Max WS	760.31	760.31		
22951.3*	Max WS	760.31	760.31		
22905.0*	Max WS	760.31	760.31		
22858.7*	Max WS	760.31	760.31		
22812.4*	Max WS	760.31	760.31		
22766.1*	Max WS	760.31	760.31		
22719.8*	Max WS	760.31	760.31		
22673.5*	Max WS	760.31	760.31		
22627.2*	Max WS	760.31	760.31		
22580.9*	Max WS	760.31	760.31		
22534.6*	Max WS	760.31	760.31		
22488.3*	Max WS	760.31	760.31		
22442	Max WS	760.31	760.31		
21993	Max WS	760.31	760.31		
21307	Max WS	760.31	760.31		
21209.5*	Max WS	760.31	760.31		
21112.*	Max WS	760.31	760.31		
21014.5*	Max WS	760.31	760.31		
20917.*	Max WS	760.31	760.31		

SQUAW CREEK	SC	20819.5*	Max WS	760.31	760.31	0.00	0.00	4061.83	907.32	511.87	5812.43
SQUAW CREEK	SC	20722.*	Max WS	760.31	760.31	0.00	0.00	4078.10	915.88	486.73	6038.69
SQUAW CREEK	SC	20624.5*	Max WS	760.31	760.31	0.00	0.00	4090.68	923.63	466.09	6261.69
SQUAW CREEK	SC	20527.*	Max WS	760.31	760.31	0.00	0.00	4100.60	930.74	448.75	6483.03
SQUAW CREEK	SC	20429.5*	Max WS	760.31	760.31	0.00	0.00	4108.52	937.39	433.86	6703.81
SQUAW CREEK	SC	20332.*	Max WS	760.31	760.31	0.00	0.00	4114.97	943.60	420.88	6925.00
SQUAW CREEK	SC	20234.5*	Max WS	760.31	760.31	0.00	0.00	4120.03	949.57	409.54	7147.30
SQUAW CREEK	SC	20137	Max WS	760.31	760.31	0.00	0.00	3679.71	1268.67	530.44	7371.44
SQUAW CREEK	SC	19802	Max WS	760.31	760.31	0.00	0.00	3691.09	953.42	833.40	4148.73
SQUAW CREEK	SC	19213	Max WS	760.31	760.31	0.00	0.00	4011.51	702.65	762.60	4109.48
SQUAW CREEK	SC	18923	Max WS	760.31	760.31	0.00	0.00	3057.62	718.45	1700.20	4987.94
SQUAW CREEK	SC	18864	Max WS	760.31	760.31	0.00	0.00	3730.90	313.74	1431.48	5800.00
SQUAW CREEK	SC	18691.3*	Max WS	760.31	760.31	0.00	0.00	3972.43	217.21	1285.86	7466.67
SQUAW CREEK	SC	18518.6*	Max WS	760.31	760.31	0.00	0.00	4106.93	153.10	1214.73	9133.33
SQUAW CREEK	SC	18346	Max WS	760.31	760.31	0.00	0.00	4182.71	103.67	1187.54	10788.93
SQUAW CREEK	SC	17925	Max WS	760.31	760.31	0.00	0.00	3578.36	182.64	1711.00	9113.88
SQUAW CREEK	SC	17511	Max WS	760.31	760.31	0.00	0.00	3332.67	311.85	1825.94	9951.95
SQUAW CREEK	SC	17070	Max WS	760.31	760.31	0.00	0.00	3166.73	157.98	2144.04	13327.85
SQUAW CREEK	SC	16659	Max WS	760.31	760.31	0.00	0.00	3319.35	178.19	1969.33	10980.54
SQUAW CREEK	SC	16167	Max WS	760.31	760.31	0.00	0.00	3417.17	182.00	1865.51	10379.41
SQUAW CREEK	SC	15599	Max WS	760.31	760.31	0.00	0.00	3667.59	204.54	1590.49	10669.61
SQUAW CREEK	SC	14801	Max WS	760.31	760.31	0.00	0.00	3615.33	174.29	1670.19	10793.98
SQUAW CREEK	SC	14323	Max WS	760.31	760.31	0.00	0.00	3730.27	261.11	1466.79	11048.55
SQUAW CREEK	SC	13921	Max WS	760.31	760.31	0.00	0.00	3861.73	267.94	1327.47	10744.63
SQUAW CREEK	SC	13504	Max WS	760.31	760.31	0.00	0.00	4012.71	180.77	1262.55	10558.48
SQUAW CREEK	SC	13054	Max WS	760.31	760.31	0.00	0.00	3970.48	187.99	1296.38	10558.48
SQUAW CREEK	SC	12713	Max WS	760.31	760.31	0.00	0.00	4026.22	195.92	1231.84	10186.11
SQUAW CREEK	SC	12301	Max WS	760.31	760.31	0.00	0.00	4175.13	350.05	927.75	10600.00
SQUAW CREEK	SC	11565	Max WS	760.31	760.31	0.00	0.00	4383.75	384.21	683.46	11600.00
SQUAW CREEK	SC	11411	Max WS	760.31	760.31	0.00	0.00	4382.46	386.22	682.46	11600.00
SQUAW CREEK	SC	11002	Max WS	760.31	760.31	0.00	0.00	3403.31	267.94	800.32	10800.00
SQUAW CREEK	SC	10578	Max WS	760.31	760.31						

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0.00          0.00                3253.90      202.43      979.26    10800.00
  SQUAW CREEK   SC               10312          Max WS      760.31      760.31
0.00          0.00                3227.39      118.12     1067.17    11700.00
  SQUAW CREEK   SC               10023          Max WS      760.31      760.31
0.00          0.00                3643.95      192.43     1613.90    10400.00
  SQUAW CREEK   SC               9191           Max WS      760.31      760.31
0.00          0.00                2898.23       72.62     1346.14    11900.00
  SQUAW CREEK   SC               8809           Max WS      760.31      760.31
0.00          0.00                3004.98      120.70     1156.53    13000.00
  SQUAW CREEK   SC               8282           Max WS      760.31      760.31
0.00          0.00                2799.27       84.99     1346.77    13200.00
  SQUAW CREEK   SC               7678           Max WS      760.31      760.31
0.00          0.00                2584.46      203.63     1383.42    13000.00
  SQUAW CREEK   SC               7370           Max WS      760.31      760.31
0.00          0.00                2758.61      143.53     1239.52    12000.00
  SQUAW CREEK   SC               6699           Max WS      760.31      760.31
0.00          0.00                2626.82      209.24     1240.46    12200.00
  SQUAW CREEK   SC               5861           Max WS      760.31      760.31
0.00          0.00                2390.16      165.90     1434.25    13200.00
  SQUAW CREEK   SC               5194           Max WS      760.31      760.31
0.00          0.00                2552.37      238.21     1133.30    12000.00
  SQUAW CREEK   SC               4720           Max WS      760.31      760.31
0.00          0.00                2639.45      207.67     1032.46    13200.00
  SQUAW CREEK   SC               4673.5*        Max WS      760.31      760.31
0.00          0.00                2638.60      216.39     1020.26    13120.00
  SQUAW CREEK   SC               4627.*         Max WS      760.31      760.31
0.00          0.00                2639.13      225.09     1006.67    13040.00
  SQUAW CREEK   SC               4580.5*        Max WS      760.31      760.31
0.00          0.00                2641.11      233.79      991.57    12960.00
  SQUAW CREEK   SC               4534.*         Max WS      760.31      760.31
0.00          0.00                2644.53      242.52      974.99    12880.00
  SQUAW CREEK   SC               4487.5*        Max WS      760.31      760.31
0.00          0.00                2649.44      251.29      956.87    12800.00
  SQUAW CREEK   SC               4441.*         Max WS      760.31      760.31
0.00          0.00                2655.82      260.13      937.20    12720.00
  SQUAW CREEK   SC               4394.5*        Max WS      760.31      760.31
0.00          0.00                2663.78      269.06      915.87    12640.00
  SQUAW CREEK   SC               4348.*         Max WS      760.31      760.31
0.00          0.00                2673.34      278.09      892.84    12560.00
  SQUAW CREEK   SC               4301.5*        Max WS      760.31      760.31
0.00          0.00                2684.53      287.25      868.06    12480.00
  SQUAW CREEK   SC               4255           Max WS      760.31      760.31
0.00          0.00                2697.43      296.56      841.43    12400.00
  SQUAW CREEK   SC               4209.5*        Max WS      760.31      760.31
0.00          0.00                2714.98      283.36      832.79    12400.00
  SQUAW CREEK   SC               4164.*         Max WS      760.31      760.31
0.00          0.00                2732.64      270.02      824.18    12400.00
  SQUAW CREEK   SC               4118.5*        Max WS      760.31      760.31
0.00          0.00                2750.49      256.53      815.56    12400.00
  SQUAW CREEK   SC               4073.*         Max WS      760.31      760.31
0.00          0.00                2768.50      242.87      806.99    12400.00
  SQUAW CREEK   SC               4027.5*        Max WS      760.31      760.31
0.00          0.00                2786.70      229.03      798.41    12400.00
  SQUAW CREEK   SC               3982.*         Max WS      760.31      760.31
0.00          0.00                2805.07      215.01      789.87    12400.00
  SQUAW CREEK   SC               3936.5*        Max WS      760.31      760.31
0.00          0.00                2823.73      200.72      781.32    12400.00
  SQUAW CREEK   SC               3891           Max WS      760.31      760.31
0.00          0.00                2842.74      186.00      772.88    12400.00
  SQUAW CREEK   SC               3443           Max WS      760.31      760.31
0.00          0.00                2769.56      191.28      797.84    13200.00
  SQUAW CREEK   SC               3300           Max WS      760.31      760.31
0.00          0.00                2845.69       98.82      800.12    13200.00
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SQUAW CREEK	SC	3057	Max WS	760.31	760.31	0.00	0.00	2756.83
96.18	867.88	13600.00						
SQUAW CREEK	SC	2930	Max WS	760.31	760.31	0.00	0.00	2753.07
96.49	858.77	13600.00						
SQUAW CREEK	SC	2688	Max WS	760.31	760.31	0.00	0.00	2669.90
136.51	877.81	14000.00						
SQUAW CREEK	SC	2449	Max WS	760.31	760.31	0.00	0.00	2624.35
134.77	901.03	13600.00						
SQUAW CREEK	SC	2196	Max WS	760.31	760.31	0.00	0.00	2609.57
134.60	890.30	13600.00						
SQUAW CREEK	SC	2171.*	Max WS	760.31	760.31	0.00	0.00	2602.37
138.85	890.69	13680.00						
SQUAW CREEK	SC	2146.*	Max WS	760.31	760.31	0.00	0.00	2595.39
143.06	890.89	13760.00						
SQUAW CREEK	SC	2121.*	Max WS	760.31	760.31	0.00	0.00	2588.55
147.23	890.98	13840.00						
SQUAW CREEK	SC	2096.*	Max WS	760.31	760.31	0.00	0.00	2581.87
151.37	890.95	13920.00						
SQUAW CREEK	SC	2071.*	Max WS	760.31	760.31	0.00	0.00	2575.39
155.46	890.75	14000.00						
SQUAW CREEK	SC	2046.*	Max WS	760.31	760.31	0.00	0.00	2569.06
159.53	890.44	14080.00						
SQUAW CREEK	SC	2021.*	Max WS	760.31	760.31	0.00	0.00	2562.89
163.56	890.02	14160.00						
SQUAW CREEK	SC	1996.*	Max WS	760.31	760.31	0.00	0.00	2556.88
167.57	889.48	14240.00						
SQUAW CREEK	SC	1971.*	Max WS	760.31	760.31	0.00	0.00	2551.05
171.55	888.79	14320.00						
SQUAW CREEK	SC	1946	Max WS	760.31	760.31	0.00	0.00	2545.35
175.51	888.00	14400.00						
SQUAW CREEK	SC	1941.04*	Max WS	760.31	760.31	0.00	0.00	2544.15
175.45	888.77	14401.23						
SQUAW CREEK	SC	1936.09*	Max WS	760.31	760.31	0.00	0.00	2542.97
175.40	889.50	14402.47						
SQUAW CREEK	SC	1931.14*	Max WS	760.31	760.31	0.00	0.00	2541.78
175.33	890.25	14403.70						
SQUAW CREEK	SC	1926.19*	Max WS	760.31	760.31	0.00	0.00	2540.58
175.28	891.01	14404.94						
SQUAW CREEK	SC	1921.24*	Max WS	760.31	760.31	0.00	0.00	2539.40
175.21	891.75	14406.17						
SQUAW CREEK	SC	1916.29*	Max WS	760.31	760.31	0.00	0.00	2538.20
175.16	892.50	14407.41						
SQUAW CREEK	SC	1911.34*	Max WS	760.31	760.31	0.00	0.00	2537.00
175.09	893.27	14408.64						
SQUAW CREEK	SC	1906.39*	Max WS	760.31	760.31	0.00	0.00	2535.82
175.04	894.00	14409.88						
SQUAW CREEK	SC	1901.44*	Max WS	760.31	760.31	0.00	0.00	2534.63
174.98	894.76	14411.11						
SQUAW CREEK	SC	1896.49*	Max WS	760.31	760.31	0.00	0.00	2533.43
174.92	895.50	14412.35						
SQUAW CREEK	SC	1891.54*	Max WS	760.31	760.31	0.00	0.00	2532.26
174.86	896.23	14413.58						
SQUAW CREEK	SC	1886.59*	Max WS	760.31	760.31	0.00	0.00	2531.06
174.80	896.99	14414.81						
SQUAW CREEK	SC	1881.64*	Max WS	760.31	760.31	0.00	0.00	2529.87
174.74	897.75	14416.05						
SQUAW CREEK	SC	1876.69*	Max WS	760.31	760.31	0.00	0.00	2528.67
174.68	898.50	14417.28						
SQUAW CREEK	SC	1871.74*	Max WS	760.31	760.31	0.00	0.00	2527.50
174.62	899.23	14418.52						
SQUAW CREEK	SC	1866.79*	Max WS	760.31	760.31	0.00	0.00	2526.30
174.57	899.98	14419.75						
SQUAW CREEK	SC	1861.83*	Max WS	760.31	760.31			

0.00	0.00	2525.11	174.50	900.74	14420.99	SQUAW CREEK	SC
0.00	0.00	1856.88*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2523.94	174.44	901.47	14422.22	SQUAW CREEK	SC
0.00	0.00	1851.93*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2522.75	174.39	902.22	14423.46	SQUAW CREEK	SC
0.00	0.00	1846.98*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2521.56	174.32	902.98	14424.69	SQUAW CREEK	SC
0.00	0.00	1842.03*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2520.40	174.27	903.71	14425.93	SQUAW CREEK	SC
0.00	0.00	1837.08*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2519.22	174.21	904.47	14427.16	SQUAW CREEK	SC
0.00	0.00	1832.13*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2518.03	174.15	905.22	14428.40	SQUAW CREEK	SC
0.00	0.00	1827.18*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2516.86	174.09	905.96	14429.63	SQUAW CREEK	SC
0.00	0.00	1822.23*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2515.68	174.03	906.71	14430.86	SQUAW CREEK	SC
0.00	0.00	1817.28*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2514.49	173.97	907.47	14432.10	SQUAW CREEK	SC
0.00	0.00	1812.33*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2513.34	173.92	908.19	14433.33	SQUAW CREEK	SC
0.00	0.00	1807.38*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2512.16	173.85	908.94	14434.57	SQUAW CREEK	SC
0.00	0.00	1802.43*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2510.98	173.80	909.69	14435.80	SQUAW CREEK	SC
0.00	0.00	1797.48*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2509.82	173.74	910.41	14437.04	SQUAW CREEK	SC
0.00	0.00	1792.53*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2508.64	173.68	911.17	14438.27	SQUAW CREEK	SC
0.00	0.00	1787.58*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2507.46	173.62	911.91	14439.51	SQUAW CREEK	SC
0.00	0.00	1782.63*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2506.29	173.56	912.64	14440.74	SQUAW CREEK	SC
0.00	0.00	1777.67*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2505.09	173.50	913.39	14441.98	SQUAW CREEK	SC
0.00	0.00	1772.72*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2503.91	173.44	914.14	14443.21	SQUAW CREEK	SC
0.00	0.00	1767.77*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2502.71	173.38	914.89	14444.44	SQUAW CREEK	SC
0.00	0.00	1762.82*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2501.55	173.32	915.61	14445.68	SQUAW CREEK	SC
0.00	0.00	1757.87*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2500.36	173.26	916.35	14446.91	SQUAW CREEK	SC
0.00	0.00	1752.92*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2499.18	173.20	917.09	14448.15	SQUAW CREEK	SC
0.00	0.00	1747.97*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2498.01	173.15	917.81	14449.38	SQUAW CREEK	SC
0.00	0.00	1743.02*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2496.82	173.08	918.56	14450.62	SQUAW CREEK	SC
0.00	0.00	1738.07*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2495.63	173.03	919.30	14451.85	SQUAW CREEK	SC
0.00	0.00	1733.12*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2494.47	172.96	920.02	14453.09	SQUAW CREEK	SC
0.00	0.00	1728.17*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2493.28	172.91	920.77	14454.32	SQUAW CREEK	SC
0.00	0.00	1723.22*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2492.10	172.85	921.51	14455.56	SQUAW CREEK	SC
0.00	0.00	1718.27*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2490.93	172.79	922.23	14456.79	SQUAW CREEK	SC
0.00	0.00	1713.32*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2489.74	172.73	922.98	14458.02	SQUAW CREEK	SC
0.00	0.00	1708.37*	Max WS	760.31	760.31	SQUAW CREEK	SC
0.00	0.00	2488.56	172.67	923.71	14459.26		

SQUAW CREEK	SC	1703.42*	Max WS	760.31	760.31	0.00	0.00	2487.40	172.61	924.43	14460.49
SQUAW CREEK	SC	1698.46*	Max WS	760.31	760.31	0.00	0.00	2486.22	172.55	925.17	14461.73
SQUAW CREEK	SC	1693.51*	Max WS	760.31	760.31	0.00	0.00	2485.04	172.49	925.91	14462.96
SQUAW CREEK	SC	1688.56*	Max WS	760.31	760.31	0.00	0.00	2483.88	172.43	926.63	14464.20
SQUAW CREEK	SC	1683.61*	Max WS	760.31	760.31	0.00	0.00	2482.68	172.37	927.37	14465.43
SQUAW CREEK	SC	1678.66*	Max WS	760.31	760.31	0.00	0.00	2481.51	172.31	928.11	14466.67
SQUAW CREEK	SC	1673.71*	Max WS	760.31	760.31	0.00	0.00	2480.35	172.26	928.82	14467.90
SQUAW CREEK	SC	1668.76*	Max WS	760.31	760.31	0.00	0.00	2479.17	172.19	929.56	14469.14
SQUAW CREEK	SC	1663.81*	Max WS	760.31	760.31	0.00	0.00	2477.98	172.14	930.30	14470.37
SQUAW CREEK	SC	1658.86*	Max WS	760.31	760.31	0.00	0.00	2476.82	172.07	931.02	14471.60
SQUAW CREEK	SC	1653.91*	Max WS	760.31	760.31	0.00	0.00	2475.64	172.02	931.75	14472.84
SQUAW CREEK	SC	1648.96*	Max WS	760.31	760.31	0.00	0.00	2474.47	171.95	932.49	14474.07
SQUAW CREEK	SC	1644.01*	Max WS	760.31	760.31	0.00	0.00	2473.28	171.90	933.23	14475.31
SQUAW CREEK	SC	1639.06*	Max WS	760.31	760.31	0.00	0.00	2472.13	171.84	933.94	14476.54
SQUAW CREEK	SC	1634.11*	Max WS	760.31	760.31	0.00	0.00	2470.94	171.78	934.68	14477.78
SQUAW CREEK	SC	1629.16*	Max WS	760.31	760.31	0.00	0.00	2469.78	171.72	935.41	14479.01
SQUAW CREEK	SC	1624.21*	Max WS	760.31	760.31	0.00	0.00	2468.62	171.65	936.13	14480.25
SQUAW CREEK	SC	1619.25*	Max WS	760.31	760.31	0.00	0.00	2467.43	171.60	936.87	14481.48
SQUAW CREEK	SC	1614.30*	Max WS	760.31	760.31	0.00	0.00	2466.28	171.54	937.58	14482.72
SQUAW CREEK	SC	1609.35*	Max WS	760.31	760.31	0.00	0.00	2465.12	171.48	938.30	14483.95
SQUAW CREEK	SC	1604.40*	Max WS	760.31	760.31	0.00	0.00	2463.94	171.42	939.03	14485.19
SQUAW CREEK	SC	1599.45*	Max WS	760.31	760.31	0.00	0.00	2462.76	171.36	939.77	14486.42
SQUAW CREEK	SC	1594.50*	Max WS	760.31	760.31	0.00	0.00	2461.60	171.30	940.49	14487.65
SQUAW CREEK	SC	1589.55*	Max WS	760.31	760.31	0.00	0.00	2460.43	171.25	941.22	14488.89
SQUAW CREEK	SC	1584.60*	Max WS	760.31	760.31	0.00	0.00	2459.26	171.18	941.94	14490.12
SQUAW CREEK	SC	1579.65*	Max WS	760.31	760.31	0.00	0.00	2458.11	171.13	942.65	14491.36
SQUAW CREEK	SC	1574.70*	Max WS	760.31	760.31	0.00	0.00	2456.93	171.06	943.39	14492.59
SQUAW CREEK	SC	1569.75*	Max WS	760.31	760.31	0.00	0.00	2455.76	171.01	944.12	14493.83
SQUAW CREEK	SC	1564.80*	Max WS	760.31	760.31	0.00	0.00	2454.61	170.95	944.83	14495.06
SQUAW CREEK	SC	1559.85*	Max WS	760.31	760.31	0.00	0.00	2453.43	170.89	945.56	14496.30
SQUAW CREEK	SC	1554.90*	Max WS	760.31	760.31	0.00	0.00	2452.26	170.83	946.29	14497.53
SQUAW CREEK	SC	1549.95*	Max WS	760.31	760.31						

0.00	0.00	2451.11	170.77	946.99	14498.77	SQUAW CREEK	SC
1545	Max WS	760.31	760.31				
0.00	0.00	2449.94	170.71	947.73	14500.00	SQUAW CREEK	SC
1535.26*	Max WS	760.31	760.31				
0.00	0.00	2446.22	171.59	949.58	14529.41	SQUAW CREEK	SC
1525.52*	Max WS	760.31	760.31				
0.00	0.00	2442.52	172.46	951.42	14558.82	SQUAW CREEK	SC
1515.79*	Max WS	760.31	760.31				
0.00	0.00	2438.86	173.33	953.23	14588.24	SQUAW CREEK	SC
1506.05*	Max WS	760.31	760.31				
0.00	0.00	2435.22	174.19	955.01	14617.65	SQUAW CREEK	SC
1496.32*	Max WS	760.31	760.31				
0.00	0.00	2431.61	175.06	956.77	14647.06	SQUAW CREEK	SC
1486.58*	Max WS	760.31	760.31				
0.00	0.00	2428.02	175.91	958.52	14676.47	SQUAW CREEK	SC
1476.85*	Max WS	760.31	760.31				
0.00	0.00	2424.46	176.76	960.23	14705.88	SQUAW CREEK	SC
1467.11*	Max WS	760.31	760.31				
0.00	0.00	2420.92	177.61	961.92	14735.29	SQUAW CREEK	SC
1457.38*	Max WS	760.31	760.31				
0.00	0.00	2417.42	178.45	963.58	14764.71	SQUAW CREEK	SC
1447.64*	Max WS	760.31	760.31				
0.00	0.00	2413.94	179.29	965.22	14794.12	SQUAW CREEK	SC
1437.91*	Max WS	760.31	760.31				
0.00	0.00	2410.50	180.12	966.83	14823.53	SQUAW CREEK	SC
1428.17*	Max WS	760.31	760.31				
0.00	0.00	2407.04	180.96	968.45	14852.94	SQUAW CREEK	SC
1418.44*	Max WS	760.31	760.31				
0.00	0.00	2403.64	181.79	970.02	14882.35	SQUAW CREEK	SC
1408.70*	Max WS	760.31	760.31				
0.00	0.00	2400.26	182.62	971.57	14911.76	SQUAW CREEK	SC
1398.97*	Max WS	760.31	760.31				
0.00	0.00	2396.91	183.44	973.09	14941.18	SQUAW CREEK	SC
1389.23*	Max WS	760.31	760.31				
0.00	0.00	2393.58	184.26	974.58	14970.59	SQUAW CREEK	SC
1379.5*	Max WS	760.31	760.31				
0.00	0.00	2390.28	185.08	976.06	15000.00	SQUAW CREEK	SC
1369.76*	Max WS	760.31	760.31				
0.00	0.00	2386.99	185.90	977.53	15029.41	SQUAW CREEK	SC
1360.02*	Max WS	760.31	760.31				
0.00	0.00	2383.70	186.71	978.99	15058.82	SQUAW CREEK	SC
1350.29*	Max WS	760.31	760.31				
0.00	0.00	2380.47	187.51	980.41	15088.24	SQUAW CREEK	SC
1340.55*	Max WS	760.31	760.31				
0.00	0.00	2377.24	188.32	981.81	15117.65	SQUAW CREEK	SC
1330.82*	Max WS	760.31	760.31				
0.00	0.00	2374.04	189.13	983.18	15147.06	SQUAW CREEK	SC
1321.08*	Max WS	760.31	760.31				
0.00	0.00	2370.89	189.93	984.52	15176.47	SQUAW CREEK	SC
1311.35*	Max WS	760.31	760.31				
0.00	0.00	2367.75	190.72	985.85	15205.88	SQUAW CREEK	SC
1301.61*	Max WS	760.31	760.31				
0.00	0.00	2364.62	191.52	987.17	15235.29	SQUAW CREEK	SC
1291.88*	Max WS	760.31	760.31				
0.00	0.00	2361.52	192.30	988.46	15264.71	SQUAW CREEK	SC
1282.14*	Max WS	760.31	760.31				
0.00	0.00	2358.43	193.09	989.74	15294.12	SQUAW CREEK	SC
1272.41*	Max WS	760.31	760.31				
0.00	0.00	2355.37	193.87	990.99	15323.53	SQUAW CREEK	SC
1262.67*	Max WS	760.31	760.31				
0.00	0.00	2352.30	194.65	992.26	15352.94	SQUAW CREEK	SC
1252.94*	Max WS	760.31	760.31				
0.00	0.00	2349.28	195.44	993.48	15382.35		

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  SQUAW CREEK   SC              1243.20*      Max WS       760.31      760.31
0.00         0.00                 2346.30      196.22      994.65    15411.76
  SQUAW CREEK   SC              1233.47*      Max WS       760.31      760.31
0.00         0.00                 2343.34      196.99      995.81    15441.18
  SQUAW CREEK   SC              1223.73*      Max WS       760.31      760.31
0.00         0.00                 2340.37      197.77      996.98    15470.59
  SQUAW CREEK   SC              1214          Max WS       760.31      760.31
0.00         0.00                 2337.43      198.54      998.12    15500.00
  SQUAW CREEK   SC              1211.05*      Max WS       760.31      760.31
0.00         0.00                 4586.29      389.68     1958.42    15500.00
  SQUAW CREEK   SC              1208.11*      Max WS       760.31      760.31
0.00         0.00                 4586.00      389.77     1958.30    15500.00
  SQUAW CREEK   SC              1205.17*      Max WS       760.31      760.31
0.00         0.00                 4585.71      389.87     1958.18    15500.00
  SQUAW CREEK   SC              1202.23*      Max WS       760.31      760.31
0.00         0.00                 4585.43      389.97     1958.05    15500.00
  SQUAW CREEK   SC              1199.29*      Max WS       760.31      760.31
0.00         0.00                 4585.16      390.05     1957.94    15500.00
  SQUAW CREEK   SC              1196.35*      Max WS       760.31      760.31
0.00         0.00                 4584.87      390.15     1957.81    15500.00
  SQUAW CREEK   SC              1193.41*      Max WS       760.31      760.31
0.00         0.00                 4584.58      390.25     1957.69    15500.00
  SQUAW CREEK   SC              1190.47*      Max WS       760.31      760.31
0.00         0.00                 4584.30      390.34     1957.57    15500.00
  SQUAW CREEK   SC              1187.52*      Max WS       760.31      760.31
0.00         0.00                 4584.01      390.44     1957.45    15500.00
  SQUAW CREEK   SC              1184.58*      Max WS       760.31      760.31
0.00         0.00                 4583.73      390.54     1957.33    15500.00
  SQUAW CREEK   SC              1181.64*      Max WS       760.31      760.31
0.00         0.00                 4583.44      390.64     1957.21    15500.00
  SQUAW CREEK   SC              1178.70*      Max WS       760.31      760.31
0.00         0.00                 4583.16      390.74     1957.08    15500.00
  SQUAW CREEK   SC              1175.76*      Max WS       760.31      760.31
0.00         0.00                 4582.89      390.82     1956.97    15500.00
  SQUAW CREEK   SC              1172.82*      Max WS       760.31      760.31
0.00         0.00                 4582.60      390.91     1956.85    15500.00
  SQUAW CREEK   SC              1169.88*      Max WS       760.31      760.31
0.00         0.00                 4582.32      391.01     1956.72    15500.00
  SQUAW CREEK   SC              1166.94*      Max WS       760.31      760.31
0.00         0.00                 4582.03      391.11     1956.60    15500.00
  SQUAW CREEK   SC              1164          Max WS       760.31      760.31
0.00         0.00         0.00    4581.75      391.21     1956.48    15500.00
  PALUXY        PALUXY RIVER    25092         Max WS       762.84      762.76
0.07         0.24                 356038.60   118543.60   469847.40     4400.00
  PALUXY        PALUXY RIVER    22745         Max WS       762.46      762.38
0.07         0.16                 509246.70   138450.20   296539.60     4600.00
  PALUXY        PALUXY RIVER    21047         Max WS       761.75      761.69
0.06         0.12                 683018.40   153115.10   107978.70     5200.00
  PALUXY        PALUXY RIVER    19331         Max WS       761.23      761.19
0.04         0.11                 593314.30    96091.98   254627.10     6300.00
  PALUXY        PALUXY RIVER    17277         Max WS       761.01      760.96
0.04         0.10                 408450.10   165415.40   370106.30     5600.00
  PALUXY        PALUXY RIVER    15741         Max WS       760.82      760.77
0.05         0.07                 332633.80   152818.40   458486.60     5600.00
  PALUXY        PALUXY RIVER    14471         Max WS       760.70      760.66
0.04         0.01                 474937.80   148929.20   320049.20     5200.00
  PALUXY        PALUXY RIVER    14325.1*      Max WS       760.69      760.66
0.04         0.01                 507540.30   138441.10   297932.00     5492.86
  PALUXY        PALUXY RIVER    14179.2*      Max WS       760.68      760.65
0.03         0.01                 537593.40   128750.70   277566.20     5785.71
  PALUXY        PALUXY RIVER    14033.4*      Max WS       760.68      760.65
0.03         0.00                 565302.30   119796.30   258808.20     6078.57
  PALUXY        PALUXY RIVER    13887.5*      Max WS       760.67      760.64
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0.03	0.00	590885.90	111513.80	241503.20	6371.43	PALUXY	PALUXY RIVER
13741.7*	Max WS	760.66	760.64				
0.02	0.00	614491.60	103856.70	225550.60	6664.29	PALUXY	PALUXY RIVER
13595.8*	Max WS	760.66	760.64				
0.02	0.00	636317.30	96766.56	210810.50	6957.14	PALUXY	PALUXY RIVER
13450	Max WS	760.65	760.63				
0.02	0.02	656491.50	90199.02	197198.90	7250.00	PALUXY	PALUXY RIVER
12129	Max WS	760.61	760.60				
0.01	0.01	855094.90	68364.81	20378.69	8074.64	PALUXY	PALUXY RIVER
11391	Max WS	760.59	760.58				
0.02	0.00	855586.80	78014.92	10205.70	6850.00	PALUXY	PALUXY RIVER
11366.1*	Max WS	760.59	760.58				
0.02	0.00	851784.60	78106.09	13915.56	6868.50	PALUXY	PALUXY RIVER
11341.3*	Max WS	760.59	760.58				
0.02	0.00	847956.00	78194.85	17654.42	6887.00	PALUXY	PALUXY RIVER
11316.4*	Max WS	760.59	760.58				
0.02	0.00	844111.90	78282.76	21409.72	6905.50	PALUXY	PALUXY RIVER
11291.6*	Max WS	760.59	760.58				
0.02	0.00	840253.90	78369.41	25180.01	6924.00	PALUXY	PALUXY RIVER
11266.8*	Max WS	760.59	760.57				
0.02	0.00	836381.90	78454.39	28965.96	6942.50	PALUXY	PALUXY RIVER
11241.9*	Max WS	760.59	760.57				
0.02	0.00	832494.90	78538.05	32768.22	6961.00	PALUXY	PALUXY RIVER
11217.1*	Max WS	760.59	760.57				
0.02	0.00	828590.80	78620.08	36589.28	6979.50	PALUXY	PALUXY RIVER
11192.2*	Max WS	760.59	760.57				
0.02	0.00	824666.80	78701.93	40430.38	6998.00	PALUXY	PALUXY RIVER
11167.4*	Max WS	760.59	760.57				
0.02	0.00	820725.30	78780.38	44292.44	7016.50	PALUXY	PALUXY RIVER
11142.6*	Max WS	760.59	760.57				
0.02	0.00	816763.40	78857.60	48176.03	7035.00	PALUXY	PALUXY RIVER
11117.7*	Max WS	760.59	760.57				
0.02	0.00	812782.40	78933.16	52080.33	7053.50	PALUXY	PALUXY RIVER
11092.9*	Max WS	760.59	760.57				
0.02	0.00	808779.80	79007.08	56007.99	7072.00	PALUXY	PALUXY RIVER
11068.0*	Max WS	760.59	760.57				
0.02	0.00	804756.40	79079.42	59957.93	7090.50	PALUXY	PALUXY RIVER
11043.2*	Max WS	760.59	760.57				
0.02	0.00	800714.30	79149.09	63929.40	7109.00	PALUXY	PALUXY RIVER
11018.4*	Max WS	760.59	760.57				
0.02	0.00	796650.80	79216.89	67923.93	7127.50	PALUXY	PALUXY RIVER
10993.5*	Max WS	760.58	760.57				
0.02	0.00	792567.50	79282.40	71940.73	7146.00	PALUXY	PALUXY RIVER
10968.7*	Max WS	760.58	760.57				
0.02	0.00	788462.10	79347.23	75980.24	7164.50	PALUXY	PALUXY RIVER
10943.8*	Max WS	760.58	760.57				
0.02	0.00	784338.00	79408.79	80041.59	7183.00	PALUXY	PALUXY RIVER
10919.0*	Max WS	760.58	760.57				
0.02	0.00	780192.30	79468.81	84126.17	7201.50	PALUXY	PALUXY RIVER
10894.2*	Max WS	760.58	760.57				
0.02	0.00	776028.60	79526.83	88230.80	7220.00	PALUXY	PALUXY RIVER
10869.3*	Max WS	760.58	760.56				
0.02	0.00	771843.90	79582.23	92359.04	7238.50	PALUXY	PALUXY RIVER
10844.5*	Max WS	760.58	760.56				
0.02	0.00	767635.80	79637.20	96510.98	7257.00	PALUXY	PALUXY RIVER
10819.6*	Max WS	760.58	760.56				
0.02	0.00	763413.90	79688.82	100680.10	7275.50	PALUXY	PALUXY RIVER
10794.8*	Max WS	760.58	760.56				
0.02	0.00	759170.60	79738.82	104872.40	7294.00	PALUXY	PALUXY RIVER
10770.*	Max WS	760.58	760.56				
0.02	0.00	754910.80	79786.37	109083.50	7312.50	PALUXY	PALUXY RIVER
10745.1*	Max WS	760.58	760.56				
0.02	0.00	750629.90	79831.46	113318.20	7331.00		

PALUXY	PALUXY RIVER	10720.3*	Max WS	760.58	760.56	0.02	0.00	746328.90
79875.37	117574.10	7349.50	PALUXY	PALUXY RIVER	10695.4*	Max WS	760.58	760.56
0.02	0.00	742011.90	79917.39	121848.00	7368.00	PALUXY	PALUXY RIVER	10670.6*
Max WS	760.58	760.56	0.02	0.00	737676.10	79956.73	126143.30	7386.50
PALUXY	PALUXY RIVER	10645.8*	Max WS	760.58	760.56	0.02	0.00	733323.60
79993.84	130457.60	7405.00	PALUXY	PALUXY RIVER	10620.9*	Max WS	760.57	760.56
0.02	0.00	728955.10	80028.81	134790.00	7423.50	PALUXY	PALUXY RIVER	10596.1*
Max WS	760.57	760.56	0.02	0.00	724566.60	80062.36	139143.80	7442.00
PALUXY	PALUXY RIVER	10571.2*	Max WS	760.57	760.56	0.02	0.00	720161.60
80093.74	143516.20	7460.50	PALUXY	PALUXY RIVER	10546.4*	Max WS	760.57	760.56
0.02	0.00	715742.80	80122.57	147905.00	7479.00	PALUXY	PALUXY RIVER	10521.6*
Max WS	760.57	760.56	0.02	0.00	711305.70	80149.45	152314.00	7497.50
PALUXY	PALUXY RIVER	10496.7*	Max WS	760.57	760.56	0.02	0.00	706852.80
80174.36	156740.80	7516.00	PALUXY	PALUXY RIVER	10471.9*	Max WS	760.57	760.55
0.02	0.00	702384.20	80197.85	161184.60	7534.50	PALUXY	PALUXY RIVER	10447.0*
Max WS	760.57	760.55	0.02	0.00	697900.90	80218.41	165646.20	7553.00
PALUXY	PALUXY RIVER	10422.2*	Max WS	760.57	760.55	0.02	0.00	693401.90
80236.65	170125.80	7571.50	PALUXY	PALUXY RIVER	10397.4*	Max WS	760.57	760.55
0.02	0.00	688891.60	80253.45	174618.10	7590.00	PALUXY	PALUXY RIVER	10372.5*
Max WS	760.57	760.55	0.02	0.00	684364.20	80268.34	179129.30	7608.50
PALUXY	PALUXY RIVER	10347.7*	Max WS	760.57	760.55	0.02	0.00	679825.70
80281.13	183653.90	7627.00	PALUXY	PALUXY RIVER	10322.8*	Max WS	760.57	760.55
0.02	0.00	675272.10	80290.54	188196.70	7645.50	PALUXY	PALUXY RIVER	10298.0*
Max WS	760.57	760.55	0.02	0.00	670702.90	80299.11	192756.00	7664.00
PALUXY	PALUXY RIVER	10273.2*	Max WS	760.57	760.55	0.02	0.00	666125.80
80305.13	197325.90	7682.50	PALUXY	PALUXY RIVER	10248.3*	Max WS	760.56	760.55
0.02	0.00	661531.80	80309.38	201914.30	7701.00	PALUXY	PALUXY RIVER	10223.5*
Max WS	760.56	760.55	0.02	0.00	656927.50	80311.29	206515.40	7719.50
PALUXY	PALUXY RIVER	10198.6*	Max WS	760.56	760.55	0.02	0.00	652313.90
80310.89	211128.10	7738.00	PALUXY	PALUXY RIVER	10173.8*	Max WS	760.56	760.55
0.02	0.00	647685.60	80308.83	215757.20	7756.50	PALUXY	PALUXY RIVER	10149.*
Max WS	760.56	760.55	0.02	0.00	643046.90	80304.50	220398.90	7775.00
PALUXY	PALUXY RIVER	10124.1*	Max WS	760.56	760.55	0.02	0.00	638395.20
80299.24	225054.40	7793.50	PALUXY	PALUXY RIVER	10099.3*	Max WS	760.56	760.55
0.02	0.00	633734.70	80291.09	229721.80	7812.00	PALUXY	PALUXY RIVER	10074.4*
Max WS	760.56	760.55	0.02	0.00	629064.70	80280.58	234401.00	7830.50
PALUXY	PALUXY RIVER	10049.6*	Max WS	760.56	760.54	0.02	0.00	624387.60
80268.31	239089.00	7849.00	PALUXY	PALUXY RIVER	10024.8*	Max WS	760.56	760.54
0.01	0.00	619698.90	80253.59	243791.00	7867.50	PALUXY	PALUXY RIVER	9999.96*
Max WS	760.56	760.54	0.01	0.00	614996.80	80237.46	248507.90	7886.00
PALUXY	PALUXY RIVER	9975.12*	Max WS	760.56	760.54	0.01	0.00	610293.90
80219.23	253227.70	7904.50	PALUXY	PALUXY RIVER	9950.28*	Max WS	760.56	760.54

0.01	0.00	605579.60	80199.05	257960.70	7923.00	PALUXY	PALUXY RIVER
9925.44*	Max WS	760.56	760.54				
0.01	0.00	600861.00	80176.78	262700.20	7941.50	PALUXY	PALUXY RIVER
9900.6*	Max WS	760.56	760.54				
0.01	0.00	596128.80	80152.09	267455.70	7960.00	PALUXY	PALUXY RIVER
9875.76*	Max WS	760.56	760.54				
0.01	0.00	591389.30	80125.89	272220.00	7978.50	PALUXY	PALUXY RIVER
9850.92*	Max WS	760.55	760.54				
0.01	0.00	586648.30	80097.63	276987.90	7997.00	PALUXY	PALUXY RIVER
9826.08*	Max WS	760.55	760.54				
0.01	0.00	581896.80	80067.41	281768.20	8015.50	PALUXY	PALUXY RIVER
9801.24*	Max WS	760.55	760.54				
0.01	0.00	577141.60	80034.71	286554.60	8034.00	PALUXY	PALUXY RIVER
9776.4*	Max WS	760.55	760.54				
0.01	0.00	572378.90	80001.07	291349.50	8052.50	PALUXY	PALUXY RIVER
9751.56*	Max WS	760.55	760.54				
0.01	0.00	567612.10	79964.60	296151.40	8071.00	PALUXY	PALUXY RIVER
9726.72*	Max WS	760.55	760.54				
0.01	0.00	562838.60	79926.53	300961.60	8089.50	PALUXY	PALUXY RIVER
9701.88*	Max WS	760.55	760.54				
0.01	0.00	558062.30	79886.80	305776.10	8108.00	PALUXY	PALUXY RIVER
9677.04*	Max WS	760.55	760.54				
0.01	0.00	553282.90	79844.37	310596.50	8126.50	PALUXY	PALUXY RIVER
9652.2*	Max WS	760.55	760.54				
0.01	0.00	548494.80	79800.75	315426.80	8145.00	PALUXY	PALUXY RIVER
9627.36*	Max WS	760.55	760.53				
0.01	0.00	543709.80	79755.02	320256.00	8163.50	PALUXY	PALUXY RIVER
9602.52*	Max WS	760.55	760.53				
0.01	0.00	538917.10	79707.20	325095.10	8182.00	PALUXY	PALUXY RIVER
9577.68*	Max WS	760.55	760.53				
0.01	0.00	534121.80	79656.89	329939.20	8200.50	PALUXY	PALUXY RIVER
9552.84*	Max WS	760.55	760.53				
0.01	0.00	529328.30	79605.80	334782.30	8219.00	PALUXY	PALUXY RIVER
9528.00*	Max WS	760.55	760.53				
0.01	0.00	524528.00	79552.98	339633.80	8237.50	PALUXY	PALUXY RIVER
9503.16*	Max WS	760.55	760.53				
0.01	0.00	519729.30	79498.41	344485.60	8256.00	PALUXY	PALUXY RIVER
9478.32*	Max WS	760.54	760.53				
0.01	0.00	514926.20	79440.68	349344.90	8274.50	PALUXY	PALUXY RIVER
9453.48*	Max WS	760.54	760.53				
0.01	0.00	510124.00	79381.38	354205.00	8293.00	PALUXY	PALUXY RIVER
9428.64*	Max WS	760.54	760.53				
0.01	0.00	505321.90	79321.05	359065.80	8311.50	PALUXY	PALUXY RIVER
9403.80*	Max WS	760.54	760.53				
0.01	0.00	500513.90	79259.00	363934.30	8330.00	PALUXY	PALUXY RIVER
9378.96*	Max WS	760.54	760.53				
0.01	0.00	495709.60	79194.65	368801.40	8348.50	PALUXY	PALUXY RIVER
9354.12*	Max WS	760.54	760.53				
0.01	0.00	490910.60	79128.16	373665.30	8367.00	PALUXY	PALUXY RIVER
9329.28*	Max WS	760.54	760.53				
0.01	0.00	486107.90	79060.11	378534.70	8385.50	PALUXY	PALUXY RIVER
9304.44*	Max WS	760.54	760.53				
0.01	0.00	481304.20	78990.63	383406.10	8404.00	PALUXY	PALUXY RIVER
9279.60*	Max WS	760.54	760.53				
0.01	0.00	476503.00	78919.78	388276.60	8422.50	PALUXY	PALUXY RIVER
9254.76*	Max WS	760.54	760.53				
0.01	0.00	471703.60	78846.68	393147.60	8441.00	PALUXY	PALUXY RIVER
9229.92*	Max WS	760.54	760.53				
0.01	0.00	466907.10	78771.55	398017.70	8459.50	PALUXY	PALUXY RIVER
9205.08*	Max WS	760.54	760.52				
0.01	0.00	462115.80	78695.26	402883.60	8478.00	PALUXY	PALUXY RIVER
9180.24*	Max WS	760.54	760.52				
0.01	0.00	457323.90	78616.75	407752.40	8496.50		

PALUXY	PALUXY RIVER	9155.4*	Max WS	760.54	760.52	0.01	0.00	452529.60	78536.88	412624.90	8515.00
PALUXY	PALUXY RIVER	9130.56*	Max WS	760.54	760.52	0.01	0.00	447748.50	78455.63	417485.70	8533.50
PALUXY	PALUXY RIVER	9105.72*	Max WS	760.54	760.52	0.01	0.00	442965.90	78372.88	422349.40	8552.00
PALUXY	PALUXY RIVER	9080.88*	Max WS	760.53	760.52	0.01	0.00	438192.60	78288.37	427205.70	8570.50
PALUXY	PALUXY RIVER	9056.04*	Max WS	760.53	760.52	0.01	0.00	433413.30	78201.91	432069.70	8589.00
PALUXY	PALUXY RIVER	9031.2*	Max WS	760.53	760.52	0.01	0.00	428643.00	78113.70	436926.60	8607.50
PALUXY	PALUXY RIVER	9006.35*	Max WS	760.53	760.52	0.01	0.00	423882.40	78024.22	441775.10	8626.00
PALUXY	PALUXY RIVER	8981.52*	Max WS	760.53	760.52	0.01	0.00	419121.20	77933.10	446625.70	8644.50
PALUXY	PALUXY RIVER	8956.68*	Max WS	760.53	760.52	0.01	0.00	414368.30	77840.13	451469.90	8663.00
PALUXY	PALUXY RIVER	8931.84*	Max WS	760.53	760.52	0.01	0.00	409620.80	77746.23	456309.60	8681.50
PALUXY	PALUXY RIVER	8907	Max WS	760.53	760.52	0.01	0.00	404878.40	77650.29	461146.10	8700.00
PALUXY	PALUXY RIVER	8861.14*	Max WS	760.53	760.52	0.01	0.00	396118.40	77530.48	470023.00	8650.00
PALUXY	PALUXY RIVER	8815.28*	Max WS	760.53	760.52	0.01	0.00	387345.20	77395.13	478928.40	8600.00
PALUXY	PALUXY RIVER	8769.42*	Max WS	760.53	760.51	0.01	0.00	378582.10	77240.27	487843.30	8550.00
PALUXY	PALUXY RIVER	8723.57*	Max WS	760.53	760.51	0.01	0.00	369812.00	77071.44	496779.30	8500.00
PALUXY	PALUXY RIVER	8677.71*	Max WS	760.52	760.51	0.01	0.00	361060.10	76885.05	505714.30	8450.00
PALUXY	PALUXY RIVER	8631.85*	Max WS	760.52	760.51	0.01	0.00	352305.60	76684.26	514666.60	8400.00
PALUXY	PALUXY RIVER	8586.*	Max WS	760.52	760.51	0.01	0.00	343581.10	76465.14	523607.30	8350.00
PALUXY	PALUXY RIVER	8540.14*	Max WS	760.52	760.51	0.01	0.00	334879.20	76228.20	532543.10	8300.00
PALUXY	PALUXY RIVER	8494.28*	Max WS	760.52	760.51	0.01	0.00	326204.20	75977.45	541465.90	8250.00
PALUXY	PALUXY RIVER	8448.42*	Max WS	760.52	760.51	0.01	0.00	317551.90	75710.84	550381.90	8200.00
PALUXY	PALUXY RIVER	8402.57*	Max WS	760.52	760.50	0.01	0.00	308937.20	75430.53	559273.90	8150.00
PALUXY	PALUXY RIVER	8356.71*	Max WS	760.52	760.50	0.01	0.00	300358.60	75132.34	568147.80	8100.00
PALUXY	PALUXY RIVER	8310.85*	Max WS	760.51	760.50	0.01	0.00	291824.90	74817.70	576993.30	8050.00
PALUXY	PALUXY RIVER	8265.*	Max WS	760.51	760.50	0.01	0.00	283342.00	74485.79	585805.10	8000.00
PALUXY	PALUXY RIVER	8219.14*	Max WS	760.51	760.50	0.01	0.00	274906.30	74139.91	594583.80	7950.00
PALUXY	PALUXY RIVER	8173.28*	Max WS	760.51	760.50	0.01	0.00	266520.70	73781.10	603325.40	7900.00
PALUXY	PALUXY RIVER	8127.42*	Max WS	760.51	760.50	0.01	0.00	258197.90	73404.85	612021.60	7850.00
PALUXY	PALUXY RIVER	8081.57*	Max WS	760.51	760.49	0.01	0.00	249935.00	73014.75	620671.90	7800.00
PALUXY	PALUXY RIVER	8035.71*	Max WS	760.51	760.49	0.01	0.00	241745.40	72606.35	629267.10	7750.00
PALUXY	PALUXY RIVER	7989.85*	Max WS	760.51	760.49	0.01	0.00	233620.20	72186.82	637809.10	7700.00
PALUXY	PALUXY RIVER	7944	Max WS	760.50	760.49

0.01	0.00	225568.80	71751.38	646293.10	7650.00	PALUXY	PALUXY RIVER
7886.4*	Max WS	760.50	760.49				
0.01	0.00	222660.40	75334.75	645614.70	7490.00	PALUXY	PALUXY RIVER
7828.8*	Max WS	760.50	760.49				
0.02	0.00	219845.90	79064.73	644696.00	7330.00	PALUXY	PALUXY RIVER
7771.2*	Max WS	760.50	760.48				
0.02	0.00	217120.80	82949.53	643533.00	7170.00	PALUXY	PALUXY RIVER
7713.6*	Max WS	760.50	760.48				
0.02	0.00	214491.80	87007.53	642101.00	7010.00	PALUXY	PALUXY RIVER
7656.*	Max WS	760.50	760.48				
0.02	0.00	211962.10	91254.72	640380.30	6850.00	PALUXY	PALUXY RIVER
7598.4*	Max WS	760.49	760.48				
0.02	0.00	209536.10	95704.18	638353.80	6690.00	PALUXY	PALUXY RIVER
7540.8*	Max WS	760.49	760.47				
0.02	0.00	207211.50	100377.50	636002.30	6530.00	PALUXY	PALUXY RIVER
7483.2*	Max WS	760.49	760.47				
0.02	0.00	205004.90	105297.80	633285.70	6370.00	PALUXY	PALUXY RIVER
7425.6*	Max WS	760.49	760.47				
0.02	0.00	202908.00	110484.60	630193.10	6210.00	PALUXY	PALUXY RIVER
7368.*	Max WS	760.49	760.46				
0.02	0.00	200934.00	115966.50	626682.40	6050.00	PALUXY	PALUXY RIVER
7310.4*	Max WS	760.48	760.46				
0.02	0.00	199087.50	121777.40	622715.40	5890.00	PALUXY	PALUXY RIVER
7252.8*	Max WS	760.48	760.46				
0.02	0.00	197380.40	127946.30	618251.20	5730.00	PALUXY	PALUXY RIVER
7195.2*	Max WS	760.48	760.45				
0.03	0.00	195818.90	134514.10	613242.30	5570.00	PALUXY	PALUXY RIVER
7137.6*	Max WS	760.47	760.45				
0.03	0.00	194420.40	141529.80	607622.90	5410.00	PALUXY	PALUXY RIVER
7080	Max WS	760.47	760.44				
0.03	0.00	193186.60	149041.10	601343.10	5250.00	PALUXY	PALUXY RIVER
7065.01*	Max WS	760.47	760.44				
0.03	0.00	194599.50	148832.80	600138.10	5243.94	PALUXY	PALUXY RIVER
7050.03*	Max WS	760.47	760.44				
0.03	0.00	196014.80	148620.70	598934.30	5237.88	PALUXY	PALUXY RIVER
7035.04*	Max WS	760.47	760.44				
0.03	0.00	197439.20	148411.30	597718.60	5231.82	PALUXY	PALUXY RIVER
7020.06*	Max WS	760.47	760.44				
0.03	0.00	198870.10	148195.20	596503.40	5225.76	PALUXY	PALUXY RIVER
7005.07*	Max WS	760.47	760.44				
0.03	0.00	200305.00	147983.70	595279.50	5219.70	PALUXY	PALUXY RIVER
6990.09*	Max WS	760.47	760.44				
0.03	0.00	201752.10	147765.10	594050.30	5213.64	PALUXY	PALUXY RIVER
6975.10*	Max WS	760.47	760.44				
0.03	0.00	203201.10	147551.30	592814.40	5207.58	PALUXY	PALUXY RIVER
6960.12*	Max WS	760.46	760.43				
0.03	0.00	204656.90	147331.80	591577.80	5201.52	PALUXY	PALUXY RIVER
6945.13*	Max WS	760.46	760.43				
0.03	0.00	206119.30	147112.50	590334.00	5195.45	PALUXY	PALUXY RIVER
6930.15*	Max WS	760.46	760.43				
0.03	0.00	207591.70	146885.40	589088.20	5189.39	PALUXY	PALUXY RIVER
6915.16*	Max WS	760.46	760.43				
0.03	0.00	209070.60	146662.80	587831.40	5183.33	PALUXY	PALUXY RIVER
6900.18*	Max WS	760.46	760.43				
0.03	0.00	210552.10	146439.90	586572.20	5177.27	PALUXY	PALUXY RIVER
6885.19*	Max WS	760.46	760.43				
0.03	0.00	212045.80	146214.10	585303.80	5171.21	PALUXY	PALUXY RIVER
6870.21*	Max WS	760.46	760.43				
0.03	0.00	213539.90	145983.80	584039.40	5165.15	PALUXY	PALUXY RIVER
6855.22*	Max WS	760.46	760.43				
0.03	0.00	215045.50	145754.60	582762.40	5159.09	PALUXY	PALUXY RIVER
6840.24*	Max WS	760.46	760.43				
0.03	0.00	216560.30	145518.70	581483.00	5153.03		

PALUXY	PALUXY RIVER	6825.25*	Max WS	760.46	760.43	0.03	0.00	218075.30
145297.30	580188.80	5146.97	PALUXY	PALUXY RIVER	6810.27*	Max WS	760.46	760.43
0.03	0.00	219600.50	145059.60	578900.70	5140.91	PALUXY	PALUXY RIVER	6795.28*
Max WS	760.46	760.42	0.03	0.00	221132.60	144823.00	577604.80	5134.85
PALUXY	PALUXY RIVER	6780.30*	Max WS	760.45	760.42	0.03	0.00	222665.00
144583.80	576310.90	5128.79	PALUXY	PALUXY RIVER	6765.31*	Max WS	760.45	760.42
0.03	0.00	224208.20	144347.40	575003.70	5122.73	PALUXY	PALUXY RIVER	6750.33*
Max WS	760.45	760.42	0.03	0.00	225765.80	144107.50	573685.40	5116.67
PALUXY	PALUXY RIVER	6735.34*	Max WS	760.45	760.42	0.03	0.00	227321.40
143868.70	572368.00	5110.61	PALUXY	PALUXY RIVER	6720.36*	Max WS	760.45	760.42
0.03	0.00	228886.50	143622.30	571048.80	5104.55	PALUXY	PALUXY RIVER	6705.37*
Max WS	760.45	760.42	0.03	0.00	230451.00	143380.30	569725.80	5098.48
PALUXY	PALUXY RIVER	6690.39*	Max WS	760.45	760.42	0.03	0.00	232039.10
143131.90	568385.40	5092.42	PALUXY	PALUXY RIVER	6675.40*	Max WS	760.45	760.42
0.03	0.00	233621.00	142888.70	567046.20	5086.36	PALUXY	PALUXY RIVER	6660.42*
Max WS	760.45	760.42	0.03	0.00	235210.30	142638.80	565706.30	5080.30
PALUXY	PALUXY RIVER	6645.43*	Max WS	760.45	760.42	0.03	0.00	236808.20
142389.10	564357.50	5074.24	PALUXY	PALUXY RIVER	6630.45*	Max WS	760.45	760.41
0.03	0.00	238415.40	142136.70	563002.40	5068.18	PALUXY	PALUXY RIVER	6615.47*
Max WS	760.44	760.41	0.03	0.00	240021.40	141884.70	561647.80	5062.12
PALUXY	PALUXY RIVER	6600.48*	Max WS	760.44	760.41	0.03	0.00	241646.80
141629.90	560276.60	5056.06	PALUXY	PALUXY RIVER	6585.5*	Max WS	760.44	760.41
0.03	0.00	243270.30	141374.20	558908.30	5050.00	PALUXY	PALUXY RIVER	6570.51*
Max WS	760.44	760.41	0.03	0.00	244904.20	141116.80	557531.30	5043.94
PALUXY	PALUXY RIVER	6555.53*	Max WS	760.44	760.41	0.03	0.00	246546.10
140857.60	556148.10	5037.88	PALUXY	PALUXY RIVER	6540.54*	Max WS	760.44	760.41
0.03	0.00	248187.90	140598.80	554764.40	5031.82	PALUXY	PALUXY RIVER	6525.56*
Max WS	760.44	760.41	0.03	0.00	249838.40	140333.50	553378.70	5025.76
PALUXY	PALUXY RIVER	6510.57*	Max WS	760.44	760.41	0.03	0.00	251501.00
140070.60	551978.40	5019.70	PALUXY	PALUXY RIVER	6495.59*	Max WS	760.44	760.41
0.03	0.00	253167.70	139805.30	550576.60	5013.64	PALUXY	PALUXY RIVER	6480.60*
Max WS	760.44	760.40	0.03	0.00	254836.20	139542.40	549170.40	5007.58
PALUXY	PALUXY RIVER	6465.62*	Max WS	760.44	760.40	0.03	0.00	256517.10
139272.90	547758.40	5001.52	PALUXY	PALUXY RIVER	6450.63*	Max WS	760.43	760.40
0.03	0.00	258201.70	139003.50	546342.80	4995.45	PALUXY	PALUXY RIVER	6435.65*
Max WS	760.43	760.40	0.03	0.00	259896.40	138729.90	544921.00	4989.39
PALUXY	PALUXY RIVER	6420.66*	Max WS	760.43	760.40	0.03	0.00	261596.80
138459.10	543491.00	4983.33	PALUXY	PALUXY RIVER	6405.68*	Max WS	760.43	760.40
0.03	0.00	263305.40	138183.70	542057.30	4977.27	PALUXY	PALUXY RIVER	6390.69*
Max WS	760.43	760.40	0.03	0.00	265015.60	137909.90	540620.40	4971.21
PALUXY	PALUXY RIVER	6375.71*	Max WS	760.43	760.40	0.03	0.00	266735.10
137630.00	539180.20	4965.15	PALUXY	PALUXY RIVER	6360.72*	Max WS	760.43	760.40

0.03	0.00	268468.60	137350.90	537725.30	4959.09	PALUXY	PALUXY RIVER
6345.74*	Max WS	760.43	760.40				
0.03	0.00	270201.80	137065.40	536277.10	4953.03	PALUXY	PALUXY RIVER
6330.75*	Max WS	760.43	760.39				
0.03	0.00	271938.80	136794.70	534810.40	4946.97	PALUXY	PALUXY RIVER
6315.77*	Max WS	760.43	760.39				
0.03	0.00	273687.00	136506.30	533350.00	4940.91	PALUXY	PALUXY RIVER
6300.78*	Max WS	760.42	760.39				
0.03	0.00	275445.60	136221.80	531875.40	4934.85	PALUXY	PALUXY RIVER
6285.80*	Max WS	760.42	760.39				
0.03	0.00	277204.40	135932.00	530405.70	4928.79	PALUXY	PALUXY RIVER
6270.81*	Max WS	760.42	760.39				
0.03	0.00	278970.10	135646.40	528925.20	4922.73	PALUXY	PALUXY RIVER
6255.83*	Max WS	760.42	760.39				
0.03	0.00	280745.20	135357.10	527438.90	4916.67	PALUXY	PALUXY RIVER
6240.84*	Max WS	760.42	760.39				
0.03	0.00	282520.60	135068.00	525952.10	4910.61	PALUXY	PALUXY RIVER
6225.86*	Max WS	760.42	760.39				
0.03	0.00	284318.30	134770.30	524451.60	4904.55	PALUXY	PALUXY RIVER
6210.87*	Max WS	760.42	760.39				
0.03	0.00	286107.30	134478.30	522954.00	4898.49	PALUXY	PALUXY RIVER
6195.89*	Max WS	760.42	760.38				
0.03	0.00	287909.30	134182.30	521447.60	4892.42	PALUXY	PALUXY RIVER
6180.91*	Max WS	760.42	760.38				
0.03	0.00	289715.40	133887.00	519936.30	4886.36	PALUXY	PALUXY RIVER
6165.92*	Max WS	760.42	760.38				
0.03	0.00	291531.60	133587.80	518418.50	4880.30	PALUXY	PALUXY RIVER
6150.94*	Max WS	760.41	760.38				
0.03	0.00	293353.30	133289.20	516895.00	4874.24	PALUXY	PALUXY RIVER
6135.95*	Max WS	760.41	760.38				
0.03	0.00	295182.70	132985.30	515369.00	4868.18	PALUXY	PALUXY RIVER
6120.97*	Max WS	760.41	760.38				
0.03	0.00	297015.80	132683.40	513837.30	4862.12	PALUXY	PALUXY RIVER
6105.98*	Max WS	760.41	760.38				
0.03	0.00	298857.10	132377.60	512301.30	4856.06	PALUXY	PALUXY RIVER
6091.00*	Max WS	760.41	760.38				
0.03	0.00	300705.70	132072.50	510757.20	4850.00	PALUXY	PALUXY RIVER
6076.01*	Max WS	760.41	760.38				
0.03	0.00	302562.70	131765.20	509207.00	4843.94	PALUXY	PALUXY RIVER
6061.03*	Max WS	760.41	760.38				
0.03	0.00	304425.30	131454.80	507654.20	4837.88	PALUXY	PALUXY RIVER
6046.04*	Max WS	760.41	760.37				
0.03	0.00	306286.80	131146.10	506101.00	4831.82	PALUXY	PALUXY RIVER
6031.06*	Max WS	760.41	760.37				
0.03	0.00	308167.40	130831.50	504534.60	4825.76	PALUXY	PALUXY RIVER
6016.07*	Max WS	760.40	760.37				
0.03	0.00	310051.00	130517.70	502964.20	4819.70	PALUXY	PALUXY RIVER
6001.09*	Max WS	760.40	760.37				
0.03	0.00	311935.10	130203.20	501394.10	4813.64	PALUXY	PALUXY RIVER
5986.10*	Max WS	760.40	760.37				
0.03	0.00	313834.10	129888.90	499808.90	4807.58	PALUXY	PALUXY RIVER
5971.12*	Max WS	760.40	760.37				
0.03	0.00	315736.30	129567.60	498227.60	4801.52	PALUXY	PALUXY RIVER
5956.13*	Max WS	760.40	760.37				
0.03	0.00	317638.10	129250.10	496642.70	4795.46	PALUXY	PALUXY RIVER
5941.15*	Max WS	760.40	760.37				
0.03	0.00	319557.90	128924.20	495048.20	4789.39	PALUXY	PALUXY RIVER
5926.16*	Max WS	760.40	760.37				
0.03	0.00	321480.70	128602.20	493446.90	4783.33	PALUXY	PALUXY RIVER
5911.18*	Max WS	760.40	760.36				
0.03	0.00	323407.30	128278.20	491843.90	4777.27	PALUXY	PALUXY RIVER
5896.19*	Max WS	760.40	760.36				
0.03	0.00	325344.60	127953.70	490230.60	4771.21		

PALUXY	PALUXY RIVER	5881.21*	Max WS	760.40	760.36	0.03	0.00	327282.00
127623.10	488623.10	4765.15	PALUXY	PALUXY RIVER	5866.22*	Max WS	760.40	760.36
0.03	0.00	329234.50	127294.10	486999.20	4759.09	PALUXY	PALUXY RIVER	5851.24*
Max WS	760.40	760.36	0.03	0.00	331186.90	126958.10	485382.20	4753.03
PALUXY	PALUXY RIVER	5836.25*	Max WS	760.39	760.36	0.03	0.00	333149.30
126635.90	483741.60	4746.97	PALUXY	PALUXY RIVER	5821.27*	Max WS	760.39	760.36
0.03	0.00	335119.70	126297.60	482109.10	4740.91	PALUXY	PALUXY RIVER	5806.29*
Max WS	760.39	760.36	0.03	0.00	337091.20	125965.60	480469.00	4734.85
PALUXY	PALUXY RIVER	5791.30*	Max WS	760.39	760.36	0.03	0.00	339074.80
125622.40	478828.20	4728.79	PALUXY	PALUXY RIVER	5776.32*	Max WS	760.39	760.36
0.03	0.00	341060.90	125286.10	477177.90	4722.73	PALUXY	PALUXY RIVER	5761.33*
Max WS	760.39	760.36	0.03	0.00	343051.10	124947.00	475526.30	4716.67
PALUXY	PALUXY RIVER	5746.35*	Max WS	760.39	760.35	0.03	0.00	345064.30
124605.60	473853.80	4710.61	PALUXY	PALUXY RIVER	5731.36*	Max WS	760.39	760.35
0.03	0.00	347067.80	124263.20	472192.20	4704.55	PALUXY	PALUXY RIVER	5716.38*
Max WS	760.39	760.35	0.03	0.00	349076.30	123917.10	470529.20	4698.49
PALUXY	PALUXY RIVER	5701.39*	Max WS	760.39	760.35	0.03	0.00	351093.80
123569.40	468859.00	4692.42	PALUXY	PALUXY RIVER	5686.41*	Max WS	760.38	760.35
0.03	0.00	353124.50	123223.80	467173.30	4686.36	PALUXY	PALUXY RIVER	5671.42*
Max WS	760.38	760.35	0.03	0.00	355158.90	122874.70	465487.60	4680.30
PALUXY	PALUXY RIVER	5656.44*	Max WS	760.38	760.35	0.03	0.00	357197.40
122526.30	463797.00	4674.24	PALUXY	PALUXY RIVER	5641.45*	Max WS	760.38	760.35
0.03	0.00	359244.70	122171.00	462104.60	4668.18	PALUXY	PALUXY RIVER	5626.47*
Max WS	760.38	760.35	0.03	0.00	361295.80	121818.30	460405.60	4662.12
PALUXY	PALUXY RIVER	5611.48*	Max WS	760.38	760.35	0.03	0.00	363355.20
121465.20	458698.80	4656.06	PALUXY	PALUXY RIVER	5596.50*	Max WS	760.38	760.34
0.03	0.00	365422.00	121108.00	456988.80	4650.00	PALUXY	PALUXY RIVER	5581.51*
Max WS	760.38	760.34	0.03	0.00	367493.30	120750.90	455273.90	4643.94
PALUXY	PALUXY RIVER	5566.53*	Max WS	760.38	760.34	0.03	0.00	369571.40
120390.00	453556.30	4637.88	PALUXY	PALUXY RIVER	5551.54*	Max WS	760.38	760.34
0.03	0.00	371656.30	120030.20	451830.70	4631.82	PALUXY	PALUXY RIVER	5536.56*
Max WS	760.37	760.34	0.03	0.00	373742.20	119666.10	450108.30	4625.76
PALUXY	PALUXY RIVER	5521.57*	Max WS	760.37	760.34	0.03	0.00	375839.10
119303.00	448374.10	4619.70	PALUXY	PALUXY RIVER	5506.59*	Max WS	760.37	760.34
0.03	0.00	377947.80	118937.40	446630.60	4613.64	PALUXY	PALUXY RIVER	5491.60*
Max WS	760.37	760.34	0.03	0.00	380057.80	118573.80	444883.70	4607.58
PALUXY	PALUXY RIVER	5476.62*	Max WS	760.37	760.34	0.03	0.00	382173.60
118203.20	443138.10	4601.52	PALUXY	PALUXY RIVER	5461.63*	Max WS	760.37	760.34
0.03	0.00	384288.10	117835.20	441391.00	4595.46	PALUXY	PALUXY RIVER	5446.65*
Max WS	760.37	760.33	0.03	0.00	386425.50	117459.10	439629.20	4589.40
PALUXY	PALUXY RIVER	5431.66*	Max WS	760.37	760.33	0.03	0.00	388562.20
117087.50	437863.50	4583.33	PALUXY	PALUXY RIVER	5416.68*	Max WS	760.37	760.33

0.03	0.00		390696.70	116713.50	436102.70	4577.27	
PALUXY	PALUXY RIVER		5401.69*	Max WS	760.37	760.33	
0.03	0.00		392851.00	116337.20	434324.20	4571.21	
PALUXY	PALUXY RIVER		5386.71*	Max WS	760.36	760.33	
0.03	0.00		394997.80	115959.50	432554.50	4565.15	
PALUXY	PALUXY RIVER		5371.72*	Max WS	760.36	760.33	
0.03	0.00		397157.20	115580.60	430773.60	4559.09	
PALUXY	PALUXY RIVER		5356.74*	Max WS	760.36	760.33	
0.03	0.00		399327.90	115195.20	428987.70	4553.03	
PALUXY	PALUXY RIVER		5341.76*	Max WS	760.36	760.33	
0.04	0.00		401496.30	114821.20	427192.80	4546.97	
PALUXY	PALUXY RIVER		5326.77*	Max WS	760.36	760.33	
0.04	0.00		403678.40	114435.70	425395.80	4540.91	
PALUXY	PALUXY RIVER		5311.79*	Max WS	760.36	760.32	
0.04	0.00		405861.00	114054.00	423594.40	4534.85	
PALUXY	PALUXY RIVER		5296.80*	Max WS	760.36	760.32	
0.04	0.00		408052.00	113661.70	421795.20	4528.79	
PALUXY	PALUXY RIVER		5281.82*	Max WS	760.36	760.32	
0.04	0.00		410246.60	113276.20	419985.50	4522.73	
PALUXY	PALUXY RIVER		5266.83*	Max WS	760.36	760.32	
0.04	0.00		412454.00	112886.80	418167.20	4516.67	
PALUXY	PALUXY RIVER		5251.85*	Max WS	760.36	760.32	
0.04	0.00		414661.50	112496.70	416349.20	4510.61	
PALUXY	PALUXY RIVER		5236.86*	Max WS	760.35	760.32	
0.04	0.00		416873.60	112104.60	414528.70	4504.55	
PALUXY	PALUXY RIVER		5221.88*	Max WS	760.35	760.32	
0.04	0.00		419093.90	111711.00	412701.50	4498.49	
PALUXY	PALUXY RIVER		5206.89*	Max WS	760.35	760.32	
0.04	0.00		421329.10	111313.20	410863.80	4492.43	
PALUXY	PALUXY RIVER		5191.91*	Max WS	760.35	760.32	
0.04	0.00		423552.40	110921.30	409031.90	4486.36	
PALUXY	PALUXY RIVER		5176.92*	Max WS	760.35	760.32	
0.04	0.00		425795.10	110518.30	407191.50	4480.30	
PALUXY	PALUXY RIVER		5161.94*	Max WS	760.35	760.31	
0.04	0.00		428039.40	110125.60	405339.60	4474.24	
PALUXY	PALUXY RIVER		5146.95*	Max WS	760.35	760.31	
0.04	0.00		430291.40	109720.90	403491.80	4468.18	
PALUXY	PALUXY RIVER		5131.97*	Max WS	760.35	760.31	
0.04	0.00		432543.50	109319.40	401640.80	4462.12	
PALUXY	PALUXY RIVER		5116.98*	Max WS	760.35	760.31	
0.04	0.00		434812.00	108915.80	399775.30	4456.06	
PALUXY	PALUXY RIVER		5102	Max WS	760.35	760.31	
0.04	0.00	0.00	437079.20	108510.90	397912.50	4450.00	
PALUXY	LOWER PALUXY		3838	Max WS	760.36	760.31	
0.05	0.00		792734.20	122465.00	35232.90	4150.00	
PALUXY	LOWER PALUXY		3833.02*	Max WS	760.36	760.31	
0.05	0.00		792536.70	122538.30	35356.86	4152.72	
PALUXY	LOWER PALUXY		3828.03*	Max WS	760.36	760.31	
0.05	0.00		792337.70	122614.10	35479.91	4155.45	
PALUXY	LOWER PALUXY		3823.05*	Max WS	760.36	760.31	
0.05	0.00		792142.90	122687.50	35601.24	4158.17	
PALUXY	LOWER PALUXY		3818.07*	Max WS	760.36	760.31	
0.05	0.00		791946.50	122764.10	35720.91	4160.90	
PALUXY	LOWER PALUXY		3813.09*	Max WS	760.36	760.31	
0.05	0.00		791751.80	122839.20	35840.35	4163.62	
PALUXY	LOWER PALUXY		3808.11*	Max WS	760.36	760.31	
0.05	0.00		791559.30	122909.60	35962.33	4166.34	
PALUXY	LOWER PALUXY		3803.13*	Max WS	760.36	760.31	
0.05	0.00		791362.40	122988.10	36080.63	4169.07	
PALUXY	LOWER PALUXY		3798.15*	Max WS	760.36	760.31	
0.05	0.00		791173.00	123059.30	36198.54	4171.79	
PALUXY	LOWER PALUXY		3793.17*	Max WS	760.36	760.31	
0.05	0.00		790978.10	123136.50	36316.16	4174.51	

PALUXY	LOWER PALUXY	3788.19*	Max WS	760.35	760.30	0.05	0.00	790789.70
123209.30	36431.76	4177.24	PALUXY	LOWER PALUXY	3783.21*	Max WS	760.35	760.30
0.05	0.00	790607.10	123278.10	36545.44	4179.96	PALUXY	LOWER PALUXY	3778.23*
Max WS	760.35	760.30	0.05	0.00	790415.40	123357.40	36657.65	4182.69
PALUXY	LOWER PALUXY	3773.25*	Max WS	760.35	760.30	0.05	0.00	790230.90
123427.30	36772.21	4185.41	PALUXY	LOWER PALUXY	3768.27*	Max WS	760.35	760.30
0.05	0.00	790042.40	123503.00	36884.70	4188.13	PALUXY	LOWER PALUXY	3763.29*
Max WS	760.35	760.30	0.05	0.00	789852.80	123579.80	36997.54	4190.86
PALUXY	LOWER PALUXY	3758.31*	Max WS	760.35	760.30	0.05	0.00	789668.00
123653.50	37108.37	4193.58	PALUXY	LOWER PALUXY	3753.33*	Max WS	760.35	760.30
0.05	0.00	789484.90	123724.30	37220.70	4196.30	PALUXY	LOWER PALUXY	3748.35*
Max WS	760.35	760.30	0.05	0.00	789307.30	123793.50	37328.89	4199.03
PALUXY	LOWER PALUXY	3743.37*	Max WS	760.35	760.30	0.05	0.00	789125.10
123865.70	37438.71	4201.75	PALUXY	LOWER PALUXY	3738.38*	Max WS	760.35	760.30
0.05	0.00	788944.90	123940.40	37544.16	4204.47	PALUXY	LOWER PALUXY	3733.40*
Max WS	760.35	760.30	0.05	0.00	788764.60	124014.10	37650.59	4207.20
PALUXY	LOWER PALUXY	3728.42*	Max WS	760.35	760.30	0.05	0.00	788582.10
124089.70	37757.28	4209.92	PALUXY	LOWER PALUXY	3723.44*	Max WS	760.35	760.30
0.05	0.00	788403.40	124163.40	37862.29	4212.65	PALUXY	LOWER PALUXY	3718.46*
Max WS	760.35	760.30	0.05	0.00	788229.40	124232.50	37966.97	4215.37
PALUXY	LOWER PALUXY	3713.48*	Max WS	760.35	760.30	0.05	0.00	788050.20
124308.70	38069.88	4218.09	PALUXY	LOWER PALUXY	3708.50*	Max WS	760.35	760.30
0.05	0.00	787876.00	124379.00	38173.66	4220.82	PALUXY	LOWER PALUXY	3703.52*
Max WS	760.35	760.30	0.05	0.00	787698.00	124456.20	38274.05	4223.54
PALUXY	LOWER PALUXY	3698.54*	Max WS	760.34	760.30	0.05	0.00	787528.20
124525.50	38374.70	4226.26	PALUXY	LOWER PALUXY	3693.56*	Max WS	760.34	760.29
0.05	0.00	787357.50	124592.30	38478.50	4228.99	PALUXY	LOWER PALUXY	3688.58*
Max WS	760.34	760.29	0.05	0.00	787181.80	124668.70	38577.65	4231.71
PALUXY	LOWER PALUXY	3683.60*	Max WS	760.34	760.29	0.05	0.00	787011.80
124738.50	38677.57	4234.44	PALUXY	LOWER PALUXY	3678.62*	Max WS	760.34	760.29
0.05	0.00	786846.80	124806.40	38774.69	4237.16	PALUXY	LOWER PALUXY	3673.64*
Max WS	760.34	760.29	0.05	0.00	786668.90	124885.00	38873.75	4239.88
PALUXY	LOWER PALUXY	3668.66*	Max WS	760.34	760.29	0.05	0.00	786501.50
124956.10	38970.08	4242.61	PALUXY	LOWER PALUXY	3663.68*	Max WS	760.34	760.29
0.05	0.00	786333.70	125029.40	39064.25	4245.33	PALUXY	LOWER PALUXY	3658.7*
Max WS	760.34	760.29	0.05	0.00	786167.40	125103.00	39156.84	4248.05
PALUXY	LOWER PALUXY	3653.72*	Max WS	760.34	760.29	0.05	0.00	786003.10
125172.80	39251.29	4250.78	PALUXY	LOWER PALUXY	3648.73*	Max WS	760.34	760.29
0.05	0.00	785836.60	125246.40	39344.09	4253.50	PALUXY	LOWER PALUXY	3643.75*
Max WS	760.34	760.29	0.05	0.00	785677.10	125313.50	39436.28	4256.23
PALUXY	LOWER PALUXY	3638.77*	Max WS	760.34	760.29	0.05	0.00	785505.60
125386.70	39534.61	4258.95	PALUXY	LOWER PALUXY	3633.79*	Max WS	760.34	760.29

0.05	0.00		785346.90	125454.50	39625.21	4261.67	
PALUXY	LOWER PALUXY	3628.81*	Max WS	760.34	760.29		
0.05	0.00		785181.30	125528.30	39717.07	4264.40	
PALUXY	LOWER PALUXY	3623.83*	Max WS	760.34	760.29		
0.05	0.00		785019.60	125603.30	39803.46	4267.12	
PALUXY	LOWER PALUXY	3618.85*	Max WS	760.34	760.29		
0.05	0.00		784860.00	125672.50	39893.92	4269.84	
PALUXY	LOWER PALUXY	3613.87*	Max WS	760.33	760.29		
0.05	0.00		784699.10	125746.40	39980.64	4272.57	
PALUXY	LOWER PALUXY	3608.89*	Max WS	760.33	760.29		
0.05	0.00		784542.40	125815.70	40067.91	4275.29	
PALUXY	LOWER PALUXY	3603.91*	Max WS	760.33	760.29		
0.05	0.00		784387.40	125883.30	40155.13	4278.02	
PALUXY	LOWER PALUXY	3598.93*	Max WS	760.33	760.28		
0.05	0.00		784225.10	125958.80	40241.90	4280.74	
PALUXY	LOWER PALUXY	3593.95*	Max WS	760.33	760.28		
0.05	0.00		784070.40	126027.30	40327.92	4283.46	
PALUXY	LOWER PALUXY	3588.97*	Max WS	760.33	760.28		
0.05	0.00		783918.50	126095.10	40412.04	4286.19	
PALUXY	LOWER PALUXY	3583.99*	Max WS	760.33	760.28		
0.05	0.00		783758.10	126170.30	40496.88	4288.91	
PALUXY	LOWER PALUXY	3579.01*	Max WS	760.33	760.28		
0.05	0.00		783609.80	126238.80	40576.69	4291.63	
PALUXY	LOWER PALUXY	3574.03*	Max WS	760.33	760.28		
0.05	0.00		783454.80	126310.40	40660.07	4294.36	
PALUXY	LOWER PALUXY	3569.05*	Max WS	760.33	760.28		
0.05	0.00		783305.80	126379.50	40739.88	4297.08	
PALUXY	LOWER PALUXY	3564.07*	Max WS	760.33	760.28		
0.05	0.00		783153.60	126448.90	40822.38	4299.81	
PALUXY	LOWER PALUXY	3559.08*	Max WS	760.33	760.28		
0.05	0.00		783001.30	126521.50	40901.98	4302.53	
PALUXY	LOWER PALUXY	3554.10*	Max WS	760.33	760.28		
0.05	0.00		782852.90	126590.10	40981.68	4305.25	
PALUXY	LOWER PALUXY	3549.12*	Max WS	760.33	760.28		
0.05	0.00		782702.80	126664.50	41057.34	4307.98	
PALUXY	LOWER PALUXY	3544.14*	Max WS	760.33	760.28		
0.05	0.00		782556.00	126730.50	41138.02	4310.70	
PALUXY	LOWER PALUXY	3539.16*	Max WS	760.33	760.28		
0.05	0.00		782406.30	126801.90	41216.13	4313.42	
PALUXY	LOWER PALUXY	3534.18*	Max WS	760.33	760.28		
0.05	0.00		782255.70	126875.60	41293.00	4316.15	
PALUXY	LOWER PALUXY	3529.20*	Max WS	760.33	760.28		
0.05	0.00		782111.60	126939.70	41372.68	4318.87	
PALUXY	LOWER PALUXY	3524.22*	Max WS	760.32	760.28		
0.05	0.00		781964.40	127014.10	41445.51	4321.60	
PALUXY	LOWER PALUXY	3519.24*	Max WS	760.32	760.28		
0.05	0.00		781821.90	127081.10	41520.90	4324.32	
PALUXY	LOWER PALUXY	3514.26*	Max WS	760.32	760.28		
0.05	0.00		781682.80	127147.30	41593.81	4327.04	
PALUXY	LOWER PALUXY	3509.28*	Max WS	760.32	760.28		
0.05	0.00		781536.40	127222.00	41665.28	4329.77	
PALUXY	LOWER PALUXY	3504.30*	Max WS	760.32	760.28		
0.05	0.00		781399.40	127289.80	41734.35	4332.49	
PALUXY	LOWER PALUXY	3499.32*	Max WS	760.32	760.27		
0.05	0.00		781257.60	127357.10	41808.65	4335.21	
PALUXY	LOWER PALUXY	3494.34*	Max WS	760.32	760.27		
0.05	0.00		781110.50	127432.40	41880.38	4337.94	
PALUXY	LOWER PALUXY	3489.36*	Max WS	760.32	760.27		
0.05	0.00		780970.60	127502.00	41950.58	4340.66	
PALUXY	LOWER PALUXY	3484.38*	Max WS	760.32	760.27		
0.05	0.00		780830.40	127571.60	42021.11	4343.39	
PALUXY	LOWER PALUXY	3479.40*	Max WS	760.32	760.27		
0.05	0.00		780694.40	127640.90	42087.57	4346.11	

PALUXY	LOWER PALUXY	3474.42*	Max WS	760.32	760.27	0.05	0.00	780559.50
127704.40	42158.93	4348.83	PALUXY	LOWER PALUXY	3469.44*	Max WS	760.32	760.27
0.05	0.00	780423.80	127775.50	42223.41	4351.56	PALUXY	LOWER PALUXY	3464.45*
Max WS	760.32	760.27	0.05	0.00	780288.90	127842.20	42291.62	4354.28
PALUXY	LOWER PALUXY	3459.47*	Max WS	760.32	760.27	0.05	0.00	780147.30
127917.50	42357.69	4357.00	PALUXY	LOWER PALUXY	3454.49*	Max WS	760.32	760.27
0.05	0.00	780015.50	127982.40	42424.49	4359.73	PALUXY	LOWER PALUXY	3449.51*
Max WS	760.32	760.27	0.05	0.00	779881.30	128051.10	42489.95	4362.45
PALUXY	LOWER PALUXY	3444.53*	Max WS	760.32	760.27	0.05	0.00	779743.40
128123.90	42554.72	4365.17	PALUXY	LOWER PALUXY	3439.55*	Max WS	760.32	760.27
0.05	0.00	779611.40	128191.20	42619.43	4367.90	PALUXY	LOWER PALUXY	3434.57*
Max WS	760.32	760.27	0.05	0.00	779480.90	128263.20	42677.72	4370.62
PALUXY	LOWER PALUXY	3429.59*	Max WS	760.31	760.27	0.05	0.00	779350.60
128331.20	42740.07	4373.35	PALUXY	LOWER PALUXY	3424.61*	Max WS	760.31	760.27
0.05	0.00	779224.40	128396.40	42800.90	4376.07	PALUXY	LOWER PALUXY	3419.63*
Max WS	760.31	760.27	0.05	0.00	779093.40	128464.10	42864.08	4378.79
PALUXY	LOWER PALUXY	3414.65*	Max WS	760.31	760.27	0.05	0.00	778963.80
128533.20	42924.40	4381.52	PALUXY	LOWER PALUXY	3409.67*	Max WS	760.31	760.27
0.05	0.00	778840.10	128596.40	42984.73	4384.24	PALUXY	LOWER PALUXY	3404.69*
Max WS	760.31	760.27	0.05	0.00	778709.80	128669.40	43042.23	4386.96
PALUXY	LOWER PALUXY	3399.71*	Max WS	760.31	760.26	0.05	0.00	778579.60
128739.20	43102.39	4389.69	PALUXY	LOWER PALUXY	3394.73*	Max WS	760.31	760.26
0.05	0.00	778454.80	128808.10	43158.13	4392.41	PALUXY	LOWER PALUXY	3389.75*
Max WS	760.31	760.26	0.05	0.00	778330.20	128876.60	43214.13	4395.14
PALUXY	LOWER PALUXY	3384.77*	Max WS	760.31	760.26	0.05	0.00	778204.10
128944.50	43272.14	4397.86	PALUXY	LOWER PALUXY	3379.79*	Max WS	760.31	760.26
0.05	0.00	778080.40	129013.40	43326.89	4400.58	PALUXY	LOWER PALUXY	3374.81*
Max WS	760.31	760.26	0.05	0.00	777958.90	129079.30	43382.46	4403.31
PALUXY	LOWER PALUXY	3369.82*	Max WS	760.31	760.26	0.05	0.00	777834.50
129150.30	43435.59	4406.03	PALUXY	LOWER PALUXY	3364.84*	Max WS	760.31	760.26
0.05	0.00	777713.00	129212.90	43494.34	4408.75	PALUXY	LOWER PALUXY	3359.86*
Max WS	760.31	760.26	0.05	0.00	777594.60	129279.30	43546.36	4411.48
PALUXY	LOWER PALUXY	3354.88*	Max WS	760.31	760.26	0.05	0.00	777468.60
129355.50	43596.12	4414.20	PALUXY	LOWER PALUXY	3349.90*	Max WS	760.31	760.26
0.05	0.00	777350.30	129420.10	43649.67	4416.93	PALUXY	LOWER PALUXY	3344.92*
Max WS	760.31	760.26	0.05	0.00	777229.80	129490.90	43699.14	4419.65
PALUXY	LOWER PALUXY	3339.94*	Max WS	760.30	760.26	0.05	0.00	777112.10
129556.70	43750.99	4422.37	PALUXY	LOWER PALUXY	3334.96*	Max WS	760.30	760.26
0.05	0.00	776998.80	129620.70	43800.30	4425.10	PALUXY	LOWER PALUXY	3329.98*
Max WS	760.30	760.26	0.05	0.00	776876.40	129691.40	43851.86	4427.82
PALUXY	LOWER PALUXY	3325.00*	Max WS	760.30	760.26	0.05	0.00	776762.30
129757.90	43899.27	4430.54	PALUXY	LOWER PALUXY	3320.02*	Max WS	760.30	760.26

0.05	0.00		776647.30	129822.70	43949.35	4433.27	
PALUXY	LOWER PALUXY		3315.04*	Max WS	760.30	760.26	
0.05	0.00		776532.10	129894.00	43993.18	4435.99	
PALUXY	LOWER PALUXY		3310.06*	Max WS	760.30	760.26	
0.05	0.00		776415.30	129963.60	44040.28	4438.72	
PALUXY	LOWER PALUXY		3305.08*	Max WS	760.30	760.26	
0.05	0.00		776303.40	130028.00	44087.55	4441.44	
PALUXY	LOWER PALUXY		3300.10*	Max WS	760.30	760.25	
0.05	0.00		776187.60	130096.00	44135.38	4444.16	
PALUXY	LOWER PALUXY		3295.12*	Max WS	760.30	760.25	
0.05	0.00		776076.30	130160.70	44181.84	4446.89	
PALUXY	LOWER PALUXY		3290.14*	Max WS	760.30	760.25	
0.05	0.00		775963.80	130229.50	44225.49	4449.61	
PALUXY	LOWER PALUXY		3285.16*	Max WS	760.30	760.25	
0.05	0.00		775853.70	130294.30	44270.68	4452.33	
PALUXY	LOWER PALUXY		3280.17*	Max WS	760.30	760.25	
0.05	0.00		775742.70	130366.00	44309.87	4455.06	
PALUXY	LOWER PALUXY		3275.19*	Max WS	760.30	760.25	
0.05	0.00		775637.80	130429.30	44351.29	4457.78	
PALUXY	LOWER PALUXY		3270.21*	Max WS	760.30	760.25	
0.05	0.00		775528.40	130496.70	44393.18	4460.51	
PALUXY	LOWER PALUXY		3265.23*	Max WS	760.30	760.25	
0.05	0.00		775413.90	130568.30	44435.92	4463.23	
PALUXY	LOWER PALUXY		3260.25*	Max WS	760.30	760.25	
0.05	0.00		775308.70	130632.30	44477.19	4465.95	
PALUXY	LOWER PALUXY		3255.27*	Max WS	760.30	760.25	
0.05	0.00		775197.60	130701.90	44518.55	4468.68	
PALUXY	LOWER PALUXY		3250.29*	Max WS	760.30	760.25	
0.05	0.00		775092.10	130764.30	44561.48	4471.40	
PALUXY	LOWER PALUXY		3245.31*	Max WS	760.29	760.25	
0.05	0.00		774989.10	130828.50	44600.15	4474.12	
PALUXY	LOWER PALUXY		3240.33*	Max WS	760.29	760.25	
0.05	0.00		774884.40	130896.80	44636.52	4476.85	
PALUXY	LOWER PALUXY		3235.35*	Max WS	760.29	760.25	
0.05	0.00		774781.00	130963.10	44673.48	4479.57	
PALUXY	LOWER PALUXY		3230.37*	Max WS	760.29	760.25	
0.05	0.00		774679.00	131025.90	44712.49	4482.30	
PALUXY	LOWER PALUXY		3225.39*	Max WS	760.29	760.25	
0.05	0.00		774573.90	131095.80	44747.68	4485.02	
PALUXY	LOWER PALUXY		3220.41*	Max WS	760.29	760.25	
0.05	0.00		774465.10	131166.10	44786.10	4487.74	
PALUXY	LOWER PALUXY		3215.43*	Max WS	760.29	760.25	
0.05	0.00		774363.10	131233.30	44820.78	4490.47	
PALUXY	LOWER PALUXY		3210.45*	Max WS	760.29	760.25	
0.05	0.00		774261.80	131298.20	44857.19	4493.19	
PALUXY	LOWER PALUXY		3205.47*	Max WS	760.29	760.25	
0.05	0.00		774162.10	131364.00	44890.78	4495.91	
PALUXY	LOWER PALUXY		3200.49*	Max WS	760.29	760.24	
0.05	0.00		774064.30	131432.10	44920.50	4498.64	
PALUXY	LOWER PALUXY		3195.51*	Max WS	760.29	760.24	
0.05	0.00		773965.60	131493.80	44957.44	4501.36	
PALUXY	LOWER PALUXY		3190.53*	Max WS	760.29	760.24	
0.05	0.00		773868.10	131559.30	44989.14	4504.09	
PALUXY	LOWER PALUXY		3185.54*	Max WS	760.29	760.24	
0.05	0.00		773767.10	131626.00	45023.52	4506.81	
PALUXY	LOWER PALUXY		3180.56*	Max WS	760.29	760.24	
0.05	0.00		773673.00	131690.50	45052.88	4509.53	
PALUXY	LOWER PALUXY		3175.58*	Max WS	760.29	760.24	
0.05	0.00		773573.50	131757.90	45085.00	4512.26	
PALUXY	LOWER PALUXY		3170.60*	Max WS	760.29	760.24	
0.05	0.00		773473.30	131825.80	45117.18	4514.98	
PALUXY	LOWER PALUXY		3165.62*	Max WS	760.29	760.24	
0.05	0.00		773377.00	131894.10	45145.03	4517.70	

PALUXY	LOWER PALUXY	3160.64*	Max WS	760.29	760.24	0.05	0.00	773283.40
131958.50	45174.18	4520.43	PALUXY	LOWER PALUXY	3155.66*	Max WS	760.29	760.24
0.05	0.00	773190.10	132021.10	45204.68	4523.15	PALUXY	LOWER PALUXY	3150.68*
Max WS	760.29	760.24	0.05	0.00	773089.10	132091.90	45234.93	4525.88
PALUXY	LOWER PALUXY	3145.70*	Max WS	760.28	760.24	0.05	0.00	773001.00
132153.60	45261.22	4528.60	PALUXY	LOWER PALUXY	3140.72*	Max WS	760.28	760.24
0.05	0.00	772909.60	132214.10	45291.99	4531.32	PALUXY	LOWER PALUXY	3135.74*
Max WS	760.28	760.24	0.04	0.00	772816.80	132282.80	45316.02	4534.05
PALUXY	LOWER PALUXY	3130.76*	Max WS	760.28	760.24	0.04	0.00	772725.90
132345.90	45343.48	4536.77	PALUXY	LOWER PALUXY	3125.78*	Max WS	760.28	760.24
0.04	0.00	772634.70	132418.00	45362.77	4539.49	PALUXY	LOWER PALUXY	3120.80*
Max WS	760.28	760.24	0.04	0.00	772542.10	132482.80	45390.50	4542.22
PALUXY	LOWER PALUXY	3115.82*	Max WS	760.28	760.24	0.04	0.00	772456.80
132544.60	45413.73	4544.94	PALUXY	LOWER PALUXY	3110.84*	Max WS	760.28	760.24
0.04	0.00	772360.90	132614.70	45439.50	4547.67	PALUXY	LOWER PALUXY	3105.86*
Max WS	760.28	760.24	0.04	0.00	772277.30	132676.40	45461.32	4550.39
PALUXY	LOWER PALUXY	3100.88*	Max WS	760.28	760.24	0.04	0.00	772185.30
132744.10	45485.47	4553.11	PALUXY	LOWER PALUXY	3095.9*	Max WS	760.28	760.23
0.04	0.00	772099.10	132807.80	45508.06	4555.84	PALUXY	LOWER PALUXY	3090.91*
Max WS	760.28	760.23	0.04	0.00	772013.40	132872.10	45529.08	4558.56
PALUXY	LOWER PALUXY	3085.93*	Max WS	760.28	760.23	0.04	0.00	771929.50
132934.30	45550.84	4561.28	PALUXY	LOWER PALUXY	3080.95*	Max WS	760.28	760.23
0.04	0.00	771841.30	133001.70	45571.54	4564.01	PALUXY	LOWER PALUXY	3075.97*
Max WS	760.28	760.23	0.04	0.00	771748.70	133070.50	45595.21	4566.73
PALUXY	LOWER PALUXY	3070.99*	Max WS	760.28	760.23	0.04	0.00	771668.30
133132.30	45613.76	4569.45	PALUXY	LOWER PALUXY	3066.01*	Max WS	760.28	760.23
0.04	0.00	771583.80	133195.80	45634.64	4572.18	PALUXY	LOWER PALUXY	3061.03*
Max WS	760.28	760.23	0.04	0.00	771496.80	133265.00	45652.38	4574.90
PALUXY	LOWER PALUXY	3056.05*	Max WS	760.28	760.23	0.04	0.00	771415.50
133326.60	45671.89	4577.63	PALUXY	LOWER PALUXY	3051.07*	Max WS	760.27	760.23
0.04	0.00	771337.30	133389.30	45687.31	4580.35	PALUXY	LOWER PALUXY	3046.09*
Max WS	760.27	760.23	0.04	0.00	771253.40	133459.60	45701.00	4583.07
PALUXY	LOWER PALUXY	3041.11*	Max WS	760.27	760.23	0.04	0.00	771174.90
133520.30	45718.71	4585.80	PALUXY	LOWER PALUXY	3036.13*	Max WS	760.27	760.23
0.04	0.00	771088.40	133591.30	45733.99	4588.52	PALUXY	LOWER PALUXY	3031.15*
Max WS	760.27	760.23	0.04	0.00	771010.20	133650.60	45752.80	4591.24
PALUXY	LOWER PALUXY	3026.17*	Max WS	760.27	760.23	0.04	0.00	770933.10
133713.20	45767.20	4593.97	PALUXY	LOWER PALUXY	3021.19*	Max WS	760.27	760.23
0.04	0.00	770847.00	133782.00	45784.34	4596.69	PALUXY	LOWER PALUXY	3016.21*
Max WS	760.27	760.23	0.04	0.00	770772.40	133843.70	45797.19	4599.42
PALUXY	LOWER PALUXY	3011.23*	Max WS	760.27	760.23	0.04	0.00	770694.80
133909.70	45808.63	4602.14	PALUXY	LOWER PALUXY	3006.25*	Max WS	760.27	760.23

0.04	0.00		770620.80	133973.00	45819.35	4604.86	
PALUXY	LOWER PALUXY		3001.27*	Max WS	760.27	760.23	
0.04	0.00		770542.10	134037.00	45833.94	4607.59	
PALUXY	LOWER PALUXY		2996.28*	Max WS	760.27	760.23	
0.04	0.00		770465.00	134100.90	45846.97	4610.31	
PALUXY	LOWER PALUXY		2991.30*	Max WS	760.27	760.22	
0.04	0.00		770386.30	134168.50	45858.04	4613.03	
PALUXY	LOWER PALUXY		2986.32*	Max WS	760.27	760.22	
0.04	0.00		770306.10	134235.50	45871.30	4615.76	
PALUXY	LOWER PALUXY		2981.34*	Max WS	760.27	760.22	
0.04	0.00		770234.90	134295.00	45882.75	4618.48	
PALUXY	LOWER PALUXY		2976.36*	Max WS	760.27	760.22	
0.04	0.00		770160.10	134358.40	45894.07	4621.21	
PALUXY	LOWER PALUXY		2971.38*	Max WS	760.27	760.22	
0.04	0.00		770090.10	134423.80	45898.69	4623.93	
PALUXY	LOWER PALUXY		2966.40*	Max WS	760.27	760.22	
0.04	0.00		770021.90	134483.00	45907.46	4626.65	
PALUXY	LOWER PALUXY		2961.42*	Max WS	760.27	760.22	
0.04	0.00		769950.00	134547.20	45915.09	4629.38	
PALUXY	LOWER PALUXY		2956.44*	Max WS	760.27	760.22	
0.04	0.00		769873.20	134614.50	45924.68	4632.10	
PALUXY	LOWER PALUXY		2951.46*	Max WS	760.26	760.22	
0.04	0.00		769800.30	134676.30	45935.48	4634.82	
PALUXY	LOWER PALUXY		2946.48*	Max WS	760.26	760.22	
0.04	0.00		769725.10	134745.90	45941.16	4637.55	
PALUXY	LOWER PALUXY		2941.50*	Max WS	760.26	760.22	
0.04	0.00		769654.10	134808.50	45949.27	4640.27	
PALUXY	LOWER PALUXY		2936.52*	Max WS	760.26	760.22	
0.04	0.00		769591.00	134866.70	45954.13	4643.00	
PALUXY	LOWER PALUXY		2931.54*	Max WS	760.26	760.22	
0.04	0.00		769516.90	134936.40	45958.45	4645.72	
PALUXY	LOWER PALUXY		2926.56*	Max WS	760.26	760.22	
0.04	0.00		769451.60	134997.90	45962.32	4648.44	
PALUXY	LOWER PALUXY		2921.58*	Max WS	760.26	760.22	
0.04	0.00		769380.00	135064.00	45967.66	4651.17	
PALUXY	LOWER PALUXY		2916.6*	Max WS	760.26	760.22	
0.04	0.00		769313.40	135124.50	45973.55	4653.89	
PALUXY	LOWER PALUXY		2911.62*	Max WS	760.26	760.22	
0.04	0.00		769247.10	135185.60	45978.61	4656.61	
PALUXY	LOWER PALUXY		2906.63*	Max WS	760.26	760.22	
0.04	0.00		769179.60	135250.70	45981.15	4659.34	
PALUXY	LOWER PALUXY		2901.65*	Max WS	760.26	760.22	
0.04	0.00		769115.40	135311.30	45984.60	4662.06	
PALUXY	LOWER PALUXY		2896.67*	Max WS	760.26	760.22	
0.04	0.00		769043.80	135384.00	45983.34	4664.79	
PALUXY	LOWER PALUXY		2891.69*	Max WS	760.26	760.22	
0.04	0.00		768982.70	135443.80	45984.63	4667.51	
PALUXY	LOWER PALUXY		2886.71*	Max WS	760.26	760.21	
0.04	0.00		768915.80	135506.00	45989.25	4670.23	
PALUXY	LOWER PALUXY		2881.73*	Max WS	760.26	760.21	
0.04	0.00		768848.90	135572.10	45989.81	4672.96	
PALUXY	LOWER PALUXY		2876.75*	Max WS	760.26	760.21	
0.04	0.00		768787.50	135632.40	45990.97	4675.68	
PALUXY	LOWER PALUXY		2871.77*	Max WS	760.26	760.21	
0.04	0.00		768727.70	135694.00	45989.20	4678.40	
PALUXY	LOWER PALUXY		2866.79*	Max WS	760.26	760.21	
0.04	0.00		768660.50	135760.10	45990.07	4681.13	
PALUXY	LOWER PALUXY		2861.81*	Max WS	760.26	760.21	
0.04	0.00		768603.10	135817.00	45990.48	4683.85	
PALUXY	LOWER PALUXY		2856.83*	Max WS	760.26	760.21	
0.04	0.00		768538.80	135884.50	45987.25	4686.58	
PALUXY	LOWER PALUXY		2851.85*	Max WS	760.25	760.21	
0.04	0.00		768473.10	135949.80	45987.52	4689.30	

PALUXY	LOWER PALUXY	2846.87*	Max WS	760.25	760.21	0.04	0.00	768414.90
136009.80	45985.64	4692.02	PALUXY	LOWER PALUXY	2841.89*	Max WS	760.25	760.21
0.04	0.00	768349.90	136076.50	45983.89	4694.75	PALUXY	LOWER PALUXY	2836.91*
Max WS	760.25	760.21	0.04	0.00	768296.00	136136.50	45977.68	4697.47
PALUXY	LOWER PALUXY	2831.93*	Max WS	760.25	760.21	0.04	0.00	768235.10
136199.70	45975.41	4700.19	PALUXY	LOWER PALUXY	2826.95*	Max WS	760.25	760.21
0.04	0.00	768178.90	136261.20	45969.89	4702.92	PALUXY	LOWER PALUXY	2821.97*
Max WS	760.25	760.21	0.04	0.00	768120.80	136324.60	45964.52	4705.64
PALUXY	LOWER PALUXY	2816.99*	Max WS	760.25	760.21	0.04	0.00	768065.90
136388.70	45955.30	4708.37	PALUXY	LOWER PALUXY	2812.00*	Max WS	760.25	760.21
0.04	0.00	768007.00	136450.50	45952.33	4711.09	PALUXY	LOWER PALUXY	2807.02*
Max WS	760.25	760.21	0.04	0.00	767945.70	136516.70	45947.31	4713.81
PALUXY	LOWER PALUXY	2802.04*	Max WS	760.25	760.21	0.04	0.00	767890.10
136576.40	45943.07	4716.54	PALUXY	LOWER PALUXY	2797.06*	Max WS	760.25	760.21
0.04	0.00	767835.80	136636.60	45937.22	4719.26	PALUXY	LOWER PALUXY	2792.08*
Max WS	760.25	760.21	0.04	0.00	767776.00	136703.80	45929.80	4721.98
PALUXY	LOWER PALUXY	2787.10*	Max WS	760.25	760.21	0.04	0.00	767724.30
136761.50	45923.69	4724.71	PALUXY	LOWER PALUXY	2782.12*	Max WS	760.25	760.20
0.04	0.00	767672.20	136822.70	45914.42	4727.43	PALUXY	LOWER PALUXY	2777.14*
Max WS	760.25	760.20	0.04	0.00	767614.10	136890.00	45905.23	4730.15
PALUXY	LOWER PALUXY	2772.16*	Max WS	760.25	760.20	0.04	0.00	767563.40
136949.90	45895.91	4732.88	PALUXY	LOWER PALUXY	2767.18*	Max WS	760.25	760.20
0.04	0.00	767507.80	137014.10	45887.29	4735.60	PALUXY	LOWER PALUXY	2762.20*
Max WS	760.25	760.20	0.04	0.00	767452.60	137079.30	45877.09	4738.33
PALUXY	LOWER PALUXY	2757.22*	Max WS	760.24	760.20	0.04	0.00	767403.30
137137.10	45868.42	4741.05	PALUXY	LOWER PALUXY	2752.24*	Max WS	760.24	760.20
0.04	0.00	767346.90	137200.90	45861.09	4743.77	PALUXY	LOWER PALUXY	2747.26*
Max WS	760.24	760.20	0.04	0.00	767301.60	137262.70	45844.47	4746.50
PALUXY	LOWER PALUXY	2742.28*	Max WS	760.24	760.20	0.04	0.00	767250.10
137326.40	45832.20	4749.22	PALUXY	LOWER PALUXY	2737.30*	Max WS	760.24	760.20
0.04	0.00	767203.70	137386.30	45818.64	4751.94	PALUXY	LOWER PALUXY	2732.32*
Max WS	760.24	760.20	0.04	0.00	767154.90	137446.10	45807.68	4754.67
PALUXY	LOWER PALUXY	2727.34*	Max WS	760.24	760.20	0.04	0.00	767104.40
137510.00	45794.14	4757.39	PALUXY	LOWER PALUXY	2722.36*	Max WS	760.24	760.20
0.04	0.00	767054.80	137571.10	45782.37	4760.12	PALUXY	LOWER PALUXY	2717.37*
Max WS	760.24	760.20	0.04	0.00	766998.30	137641.40	45768.62	4762.84
PALUXY	LOWER PALUXY	2712.39*	Max WS	760.24	760.20	0.04	0.00	766953.30
137698.80	45756.21	4765.56	PALUXY	LOWER PALUXY	2707.41*	Max WS	760.24	760.20
0.04	0.00	766908.20	137760.40	45739.62	4768.29	PALUXY	LOWER PALUXY	2702.43*
Max WS	760.24	760.20	0.04	0.00	766858.90	137826.10	45723.19	4771.01
PALUXY	LOWER PALUXY	2697.45*	Max WS	760.24	760.20	0.04	0.00	766814.60
137880.10	45713.41	4773.73	PALUXY	LOWER PALUXY	2692.47*	Max WS	760.24	760.20

0.04	0.00		766771.40	137940.30	45696.24	4776.46	
PALUXY	LOWER PALUXY	2687.49*	Max WS	760.24	760.20		
0.04	0.00		766721.00	138005.30	45681.60	4779.18	
PALUXY	LOWER PALUXY	2682.51*	Max WS	760.24	760.20		
0.04	0.00		766678.70	138064.50	45664.66	4781.91	
PALUXY	LOWER PALUXY	2677.53*	Max WS	760.24	760.19		
0.04	0.00		766630.80	138128.60	45648.46	4784.63	
PALUXY	LOWER PALUXY	2672.55*	Max WS	760.24	760.19		
0.04	0.00		766586.50	138189.70	45631.43	4787.35	
PALUXY	LOWER PALUXY	2667.57*	Max WS	760.24	760.19		
0.04	0.00		766544.60	138250.40	45612.59	4790.08	
PALUXY	LOWER PALUXY	2662.59*	Max WS	760.24	760.19		
0.04	0.00		766504.10	138315.60	45588.00	4792.80	
PALUXY	LOWER PALUXY	2657.61*	Max WS	760.24	760.19		
0.04	0.00		766459.90	138376.30	45571.20	4795.52	
PALUXY	LOWER PALUXY	2652.63*	Max WS	760.23	760.19		
0.04	0.00		766413.80	138439.60	45554.04	4798.25	
PALUXY	LOWER PALUXY	2647.65*	Max WS	760.23	760.19		
0.04	0.00		766374.50	138499.20	45533.63	4800.97	
PALUXY	LOWER PALUXY	2642.67*	Max WS	760.23	760.19		
0.04	0.00		766329.40	138561.10	45516.76	4803.70	
PALUXY	LOWER PALUXY	2637.69*	Max WS	760.23	760.19		
0.04	0.00		766291.90	138618.80	45496.57	4806.42	
PALUXY	LOWER PALUXY	2632.71*	Max WS	760.23	760.19		
0.04	0.00		766249.40	138679.60	45478.08	4809.14	
PALUXY	LOWER PALUXY	2627.72*	Max WS	760.23	760.19		
0.04	0.00		766211.60	138743.50	45451.96	4811.87	
PALUXY	LOWER PALUXY	2622.74*	Max WS	760.23	760.19		
0.04	0.00		766166.80	138806.50	45433.85	4814.59	
PALUXY	LOWER PALUXY	2617.76*	Max WS	760.23	760.19		
0.04	0.00		766132.60	138865.40	45408.96	4817.31	
PALUXY	LOWER PALUXY	2612.78*	Max WS	760.23	760.19		
0.04	0.00		766086.50	138931.80	45388.55	4820.04	
PALUXY	LOWER PALUXY	2607.80*	Max WS	760.23	760.19		
0.04	0.00		766049.60	138988.50	45368.75	4822.76	
PALUXY	LOWER PALUXY	2602.82*	Max WS	760.23	760.19		
0.04	0.00		766010.40	139048.80	45347.39	4825.49	
PALUXY	LOWER PALUXY	2597.84*	Max WS	760.23	760.19		
0.04	0.00		765969.90	139111.90	45324.86	4828.21	
PALUXY	LOWER PALUXY	2592.86*	Max WS	760.23	760.19		
0.04	0.00		765941.30	139168.50	45296.84	4830.93	
PALUXY	LOWER PALUXY	2587.88*	Max WS	760.23	760.19		
0.04	0.00		765901.10	139234.10	45271.26	4833.66	
PALUXY	LOWER PALUXY	2582.90*	Max WS	760.23	760.19		
0.04	0.00		765868.00	139291.20	45247.22	4836.38	
PALUXY	LOWER PALUXY	2577.92*	Max WS	760.23	760.19		
0.04	0.00		765830.40	139352.50	45223.55	4839.10	
PALUXY	LOWER PALUXY	2572.94*	Max WS	760.23	760.19		
0.04	0.00		765791.30	139417.00	45198.04	4841.83	
PALUXY	LOWER PALUXY	2567.96*	Max WS	760.23	760.18		
0.04	0.00		765753.60	139478.60	45174.20	4844.55	
PALUXY	LOWER PALUXY	2562.98*	Max WS	760.23	760.18		
0.04	0.00		765722.50	139537.20	45146.57	4847.28	
PALUXY	LOWER PALUXY	2558	Max WS	760.23	760.18		
0.04	0.03		765687.80	139597.40	45120.95	4850.00	
PALUXY	LOWER PALUXY	924	Max WS	760.07	760.06		
0.01	0.00		377212.40	80650.59	91658.38	6450.00	
PALUXY	LOWER PALUXY	923.5*	Max WS	760.08	760.05		
0.03	0.00		668792.60	143000.20	162500.30	6450.00	
PALUXY	LOWER PALUXY	923.*	Max WS	760.08	760.05		
0.03	0.00		664412.80	142069.90	161435.90	6450.00	
PALUXY	LOWER PALUXY	922.5*	Max WS	760.08	760.05		
0.03	0.00		668784.20	143010.90	162498.00	6450.00	

PALUXY	LOWER PALUXY	922.*	Max WS	760.08	760.05	0.03	0.00	664404.30
142080.50	161433.80	6450.00	PALUXY	LOWER PALUXY	921.5*	Max WS	760.08	760.05
0.03	0.00	668775.80	143021.50	162495.90	6450.00	PALUXY	LOWER PALUXY	921.*
Max WS	760.08	760.05	0.03	0.00	664395.90	142091.00	161431.70	6450.00
PALUXY	LOWER PALUXY	920.5*	Max WS	760.08	760.05	0.03	0.00	668767.20
143032.20	162493.80	6450.00	PALUXY	LOWER PALUXY	920.*	Max WS	760.08	760.05
0.03	0.00	664387.50	142101.70	161429.40	6450.00	PALUXY	LOWER PALUXY	919.5*
Max WS	760.08	760.05	0.03	0.00	668758.90	143042.90	162491.30	6450.00
PALUXY	LOWER PALUXY	919.*	Max WS	760.08	760.05	0.03	0.00	664379.20
142112.30	161427.10	6450.00	PALUXY	LOWER PALUXY	918.5*	Max WS	760.08	760.05
0.03	0.00	668750.40	143053.50	162489.20	6450.00	PALUXY	LOWER PALUXY	918.*
Max WS	760.08	760.05	0.03	0.00	664370.80	142122.90	161425.00	6450.00
PALUXY	LOWER PALUXY	917.5*	Max WS	760.08	760.05	0.03	0.00	664366.50
142128.20	161424.00	6450.00	PALUXY	LOWER PALUXY	917.*	Max WS	760.08	760.05
0.03	0.00	664362.30	142133.50	161422.70	6450.00	PALUXY	LOWER PALUXY	916.5*
Max WS	760.08	760.05	0.03	0.00	668733.40	143074.90	162484.80	6450.00
PALUXY	LOWER PALUXY	916.*	Max WS	760.08	760.05	0.03	0.00	664354.00
142144.10	161420.50	6450.00	PALUXY	LOWER PALUXY	915.5*	Max WS	760.08	760.05
0.03	0.00	664349.80	142149.40	161419.50	6450.00	PALUXY	LOWER PALUXY	915.*
Max WS	760.08	760.05	0.03	0.00	664345.60	142154.70	161418.30	6450.00
PALUXY	LOWER PALUXY	914.5*	Max WS	760.08	760.05	0.03	0.00	664341.30
142160.00	161417.30	6450.00	PALUXY	LOWER PALUXY	914.*	Max WS	760.08	760.05
0.03	0.00	668712.40	143101.60	162479.10	6450.00	PALUXY	LOWER PALUXY	913.5*
Max WS	760.08	760.05	0.03	0.00	664332.90	142170.60	161415.00	6450.00
PALUXY	LOWER PALUXY	913.*	Max WS	760.08	760.05	0.03	0.00	664328.80
142175.90	161413.90	6450.00	PALUXY	LOWER PALUXY	912.5*	Max WS	760.08	760.05
0.03	0.00	664324.50	142181.20	161412.90	6450.00	PALUXY	LOWER PALUXY	912.*
Max WS	760.08	760.05	0.03	0.00	668695.40	143122.90	162474.90	6450.00
PALUXY	LOWER PALUXY	911.5*	Max WS	760.08	760.05	0.03	0.00	664316.20
142191.80	161410.60	6450.00	PALUXY	LOWER PALUXY	911.*	Max WS	760.08	760.05
0.03	0.00	668686.90	143133.60	162472.60	6450.00	PALUXY	LOWER PALUXY	910.5*
Max WS	760.08	760.05	0.03	0.00	664307.90	142202.50	161408.40	6450.00
PALUXY	LOWER PALUXY	910.*	Max WS	760.08	760.05	0.03	0.00	668678.60
143144.30	162470.30	6450.00	PALUXY	LOWER PALUXY	909.5*	Max WS	760.08	760.05
0.03	0.00	664299.40	142213.00	161406.20	6450.00	PALUXY	LOWER PALUXY	909.*
Max WS	760.08	760.05	0.03	0.00	668670.00	143155.00	162468.10	6450.00
PALUXY	LOWER PALUXY	908.5*	Max WS	760.08	760.05	0.03	0.00	664290.90
142223.60	161404.10	6450.00	PALUXY	LOWER PALUXY	908.*	Max WS	760.08	760.05
0.03	0.00	664286.80	142228.90	161402.90	6450.00	PALUXY	LOWER PALUXY	907.5*
Max WS	760.08	760.05	0.03	0.00	664282.70	142234.30	161401.70	6450.00
PALUXY	LOWER PALUXY	907.*	Max WS	760.08	760.05	0.03	0.00	668653.30
143176.30	162463.60	6450.00	PALUXY	LOWER PALUXY	906.5*	Max WS	760.08	760.05

0.03	0.00	664274.30	142244.80	161399.60	6450.00	PALUXY	LOWER PALUXY	906.*
Max WS	760.08	760.05						
0.03	0.00	664270.10	142250.10	161398.50	6450.00	PALUXY	LOWER PALUXY	905.5*
Max WS	760.08	760.05						
0.03	0.00	664265.80	142255.40	161397.40	6450.00	PALUXY	LOWER PALUXY	905.*
Max WS	760.08	760.05						
0.03	0.00	668636.30	143197.60	162459.30	6450.00	PALUXY	LOWER PALUXY	904.5*
Max WS	760.08	760.05						
0.03	0.00	668632.10	143203.00	162458.10	6450.00	PALUXY	LOWER PALUXY	904.*
Max WS	760.08	760.05						
0.03	0.00	664253.30	142271.40	161394.00	6450.00	PALUXY	LOWER PALUXY	903.5*
Max WS	760.08	760.05						
0.03	0.00	657344.50	140797.70	159715.30	6450.00	PALUXY	LOWER PALUXY	903.*
Max WS	760.08	760.05						
0.03	0.00	664244.90	142281.90	161391.90	6450.00	PALUXY	LOWER PALUXY	902.5*
Max WS	760.08	760.05						
0.03	0.00	668615.20	143224.30	162453.70	6450.00	PALUXY	LOWER PALUXY	902.*
Max WS	760.08	760.05						
0.03	0.00	664236.40	142292.50	161389.80	6450.00	PALUXY	LOWER PALUXY	901.5*
Max WS	760.08	760.05						
0.03	0.00	657327.80	140818.70	159711.00	6450.00	PALUXY	LOWER PALUXY	901.*
Max WS	760.08	760.05						
0.03	0.00	664228.10	142303.10	161387.50	6450.00	PALUXY	LOWER PALUXY	900.5*
Max WS	760.08	760.05						
0.03	0.00	668598.40	143245.60	162449.20	6450.00	PALUXY	LOWER PALUXY	900.*
Max WS	760.08	760.05						
0.03	0.00	664219.60	142313.60	161385.30	6450.00	PALUXY	LOWER PALUXY	899.5*
Max WS	760.08	760.05						
0.03	0.00	657311.30	140839.60	159706.60	6450.00	PALUXY	LOWER PALUXY	899.*
Max WS	760.08	760.05						
0.03	0.00	664211.30	142324.30	161383.10	6450.00	PALUXY	LOWER PALUXY	898.5*
Max WS	760.08	760.05						
0.03	0.00	668581.50	143267.00	162444.70	6450.00	PALUXY	LOWER PALUXY	898.*
Max WS	760.08	760.05						
0.03	0.00	664202.90	142334.90	161380.80	6450.00	PALUXY	LOWER PALUXY	897.5*
Max WS	760.08	760.05						
0.03	0.00	664198.80	142340.20	161379.70	6450.00	PALUXY	LOWER PALUXY	897.*
Max WS	760.08	760.05						
0.03	0.00	664194.50	142345.40	161378.70	6450.00	PALUXY	LOWER PALUXY	896.5*
Max WS	760.08	760.05						
0.03	0.00	668564.50	143288.20	162440.50	6450.00	PALUXY	LOWER PALUXY	896.*
Max WS	760.08	760.05						
0.03	0.00	657282.20	140876.30	159699.00	6450.00	PALUXY	LOWER PALUXY	895.5*
Max WS	760.08	760.05						
0.03	0.00	664182.10	142361.40	161375.20	6450.00	PALUXY	LOWER PALUXY	895.*
Max WS	760.08	760.05						
0.03	0.00	664177.80	142366.70	161374.10	6450.00	PALUXY	LOWER PALUXY	894.5*
Max WS	760.08	760.05						
0.03	0.00	668547.70	143309.60	162435.90	6450.00	PALUXY	LOWER PALUXY	894.*
Max WS	760.08	760.05						
0.03	0.00	657265.60	140897.30	159694.60	6450.00	PALUXY	LOWER PALUXY	893.5*
Max WS	760.08	760.05						
0.03	0.00	664165.10	142382.50	161371.00	6450.00	PALUXY	LOWER PALUXY	893.*
Max WS	760.08	760.05						
0.03	0.00	664160.90	142387.80	161369.90	6450.00	PALUXY	LOWER PALUXY	892.5*
Max WS	760.08	760.05						
0.03	0.00	668530.80	143330.90	162431.40	6450.00	PALUXY	LOWER PALUXY	892.*
Max WS	760.08	760.05						
0.03	0.00	657249.10	140918.30	159690.10	6450.00	PALUXY	LOWER PALUXY	891.5*
Max WS	760.08	760.05						
0.03	0.00	657244.90	140923.50	159689.10	6450.00	PALUXY	LOWER PALUXY	891.*
Max WS	760.08	760.05						
0.03	0.00	664144.30	142409.00	161365.40	6450.00			

PALUXY	LOWER PALUXY	890.5*	Max WS	760.08	760.05	0.03	0.00	664140.10
142414.30	161364.30	6450.00	PALUXY	LOWER PALUXY	890.*	Max WS	760.08	760.05
0.03	0.00	664135.90	142419.50	161363.30	6450.00	PALUXY	LOWER PALUXY	889.5*
Max WS	760.08	760.05	0.03	0.00	649023.90	139184.90	157691.30	6450.00
PALUXY	LOWER PALUXY	889.*	Max WS	760.08	760.05	0.03	0.00	664127.50
142430.10	161361.00	6450.00	PALUXY	LOWER PALUXY	888.5*	Max WS	760.08	760.05
0.03	0.00	657220.20	140954.90	159682.50	6450.00	PALUXY	LOWER PALUXY	888.*
Max WS	760.08	760.05	0.03	0.00	664119.20	142440.70	161358.80	6450.00
PALUXY	LOWER PALUXY	887.5*	Max WS	760.08	760.05	0.03	0.00	649007.60
139205.60	157687.00	6450.00	PALUXY	LOWER PALUXY	887.*	Max WS	760.08	760.05
0.03	0.00	664110.80	142451.30	161356.60	6450.00	PALUXY	LOWER PALUXY	886.5*
Max WS	760.08	760.05	0.03	0.00	657203.60	140975.90	159678.20	6450.00
PALUXY	LOWER PALUXY	886.*	Max WS	760.08	760.05	0.03	0.00	648995.20
139221.10	157683.80	6450.00	PALUXY	LOWER PALUXY	885.5*	Max WS	760.08	760.05
0.03	0.00	657195.30	140986.30	159676.00	6450.00	PALUXY	LOWER PALUXY	885.*
Max WS	760.08	760.05	0.03	0.00	664094.00	142472.50	161352.20	6450.00
PALUXY	LOWER PALUXY	884.5*	Max WS	760.08	760.05	0.03	0.00	657186.90
140996.70	159674.00	6450.00	PALUXY	LOWER PALUXY	884.*	Max WS	760.08	760.05
0.03	0.00	648978.90	139241.80	157679.50	6450.00	PALUXY	LOWER PALUXY	883.5*
Max WS	760.08	760.05	0.03	0.00	639792.60	137276.80	155447.30	6450.00
PALUXY	LOWER PALUXY	883.*	Max WS	760.08	760.05	0.03	0.00	664077.40
142493.60	161347.70	6450.00	PALUXY	LOWER PALUXY	882.5*	Max WS	760.08	760.05
0.03	0.00	664073.10	142498.90	161346.70	6450.00	PALUXY	LOWER PALUXY	882.*
Max WS	760.08	760.05	0.03	0.00	657166.20	141023.00	159668.40	6450.00
PALUXY	LOWER PALUXY	881.5*	Max WS	760.08	760.05	0.03	0.00	648958.30
139267.60	157674.20	6450.00	PALUXY	LOWER PALUXY	881.*	Max WS	760.08	760.05
0.03	0.00	657157.90	141033.40	159666.40	6450.00	PALUXY	LOWER PALUXY	880.5*
Max WS	760.08	760.05	0.03	0.00	648950.20	139278.00	157672.00	6450.00
PALUXY	LOWER PALUXY	880.*	Max WS	760.08	760.05	0.03	0.00	639764.30
137312.50	155439.90	6450.00	PALUXY	LOWER PALUXY	879.5*	Max WS	760.08	760.05
0.03	0.00	639760.30	137317.50	155438.90	6450.00	PALUXY	LOWER PALUXY	879.*
Max WS	760.08	760.05	0.03	0.00	657141.40	141054.30	159661.90	6450.00
PALUXY	LOWER PALUXY	878.5*	Max WS	760.08	760.05	0.03	0.00	639752.10
137327.70	155436.80	6450.00	PALUXY	LOWER PALUXY	878.*	Max WS	760.08	760.05
0.02	0.00	618821.40	132840.50	150351.40	6450.00	PALUXY	LOWER PALUXY	877.5*
Max WS	760.07	760.05	0.02	0.00	595132.90	127760.90	144595.80	6450.00
PALUXY	LOWER PALUXY	877.*	Max WS	760.08	760.05	0.03	0.00	648921.60
139314.10	157664.50	6450.00	PALUXY	LOWER PALUXY	876.5*	Max WS	760.07	760.05
0.02	0.00	618809.80	132855.30	150348.20	6450.00	PALUXY	LOWER PALUXY	876.*
Max WS	760.07	760.05	0.02	0.00	582307.90	125024.00	141479.60	6450.00
PALUXY	LOWER PALUXY	875.5*	Max WS	760.07	760.05	0.02	0.00	505247.50
108483.50	122756.60	6450.00	PALUXY	LOWER PALUXY	875.*	Max WS	760.07	760.05

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0.02          0.00                 618798.10   132870.10   150345.20     6450.00
  PALUXY         LOWER PALUXY   874.5*        Max WS       760.06      760.05
0.01          0.00                 407339.80    87468.97    98968.52     6450.00
  PALUXY         LOWER PALUXY   874           Max WS       760.05      760.05
0.00                                   7.20        1.55        1.75     6450.00
```

ERRORS WARNINGS AND NOTES
Errors Warnings and Notes for Plan : Rev 2

River: PALUXY Reach: PALUXY RIVER RS: 25092 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: PALUXY RIVER RS: 22745 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: PALUXY RIVER RS: 21047 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: PALUXY RIVER RS: 19331 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: PALUXY RIVER RS: 17277 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: PALUXY RIVER RS: 15741 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: PALUXY RIVER RS: 14471 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: PALUXY RIVER RS: 14325.1* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: PALUXY RIVER RS: 14179.2* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: PALUXY RIVER RS: 14033.4* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: PALUXY RIVER RS: 13887.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: PALUXY RIVER RS: 13741.7* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: PALUXY RIVER RS: 13595.8* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: PALUXY RIVER RS: 13450 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: PALUXY RIVER RS: 12129 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: PALUXY RIVER RS: 11391 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: PALUXY RIVER RS: 11366.1* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the

computed water surface.
River: PALUXY Reach: PALUXY RIVER RS: 11341.3* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: PALUXY RIVER RS: 11316.4* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: PALUXY RIVER RS: 11291.6* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: PALUXY RIVER RS: 11266.8* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: PALUXY RIVER RS: 11241.9* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: PALUXY RIVER RS: 11217.1* Profile: Max WS
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River: PALUXY Reach: PALUXY RIVER RS: 11167.4* Profile: Max WS
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River: PALUXY Reach: PALUXY RIVER RS: 11068.0* Profile: Max WS
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computed water surface.
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River: PALUXY Reach: PALUXY RIVER RS: 6465.62* Profile: Max WS
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River: PALUXY Reach: PALUXY RIVER RS: 6450.63* Profile: Max WS
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River: PALUXY Reach: PALUXY RIVER RS: 6270.81* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 3828.03* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 3823.05* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 3818.07* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 3813.09* Profile: Max WS
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computed water surface.
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River: PALUXY Reach: LOWER PALUXY RS: 3793.17* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 3788.19* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 3768.27* Profile: Max WS
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computed water surface.
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River: PALUXY Reach: LOWER PALUXY RS: 3623.83* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 3618.85* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 3544.14* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 3539.16* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 3534.18* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 3529.20* Profile: Max WS
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computed water surface.
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River: PALUXY Reach: LOWER PALUXY RS: 2617.76* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 2612.78* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 2607.80* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 2602.82* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 2597.84* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 2592.86* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 2587.88* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 2582.90* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 2577.92* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 2572.94* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 2567.96* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 2562.98* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 2558 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the

computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 924 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 923.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 923.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 922.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 922.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 921.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 921.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 920.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 920.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 919.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 919.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 918.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 918.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 917.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 917.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 916.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 916.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 915.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 915.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 914.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 914.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the

computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 913.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 913.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 912.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 912.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 911.5* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 911.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 910.5* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 910.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 909.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 909.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 908.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 908.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 907.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 907.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 906.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 906.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 905.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 905.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 904.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 904.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 903.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the

computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 903.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 902.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 902.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 901.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 901.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 900.5* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 900.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 899.5* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 899.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 898.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 898.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 897.5* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 897.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 896.5* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 896.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 895.5* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 895.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 894.5* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 894.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 893.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 893.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the

computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 892.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 892.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 891.5* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 891.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 890.5* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 890.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 889.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 889.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 888.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 888.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 887.5* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 887.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 886.5* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 886.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 885.5* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 885.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 884.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 884.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 883.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 883.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 882.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the

computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 882.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 881.5* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 881.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 880.5* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 880.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 879.5* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 879.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 878.5* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 878.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 877.5* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 877.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 876.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: PALUXY Reach: LOWER PALUXY RS: 876.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 875.5* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 875.* Profile: Max WS
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River: PALUXY Reach: LOWER PALUXY RS: 874.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 21993 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 19213 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 18923 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 18864 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 18691.3* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the

computed water surface.
River: SQUAW CREEK Reach: SC RS: 18518.6* Profile: Max WS
  Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 18346 Profile: Max WS
  Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 17925 Profile: Max WS
  Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 17511 Profile: Max WS
  Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 17070 Profile: Max WS
  Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 16659 Profile: Max WS
  Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 16167 Profile: Max WS
  Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 15599 Profile: Max WS
  Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 14801 Profile: Max WS
  Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 14323 Profile: Max WS
  Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 13921 Profile: Max WS
  Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 13504 Profile: Max WS
  Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 13054 Profile: Max WS
  Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 12713 Profile: Max WS
  Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 12301 Profile: Max WS
  Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 11565 Profile: Max WS
  Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 11411 Profile: Max WS
  Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 11002 Profile: Max WS
  Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 10578 Profile: Max WS
  Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 10312 Profile: Max WS
  Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 10023 Profile: Max WS
  Warning:The cross-section end points had to be extended vertically for the

computed water surface.
River: SQUAW CREEK Reach: SC RS: 9191 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 8809 Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 8282 Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 7678 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 7370 Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 6699 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 5861 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 5194 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 4720 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 4673.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 4627.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 4580.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 4534.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 4487.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 4441.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 4394.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 4348.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 4301.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 4255 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 4209.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 4164.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the

computed water surface.
River: SQUAW CREEK Reach: SC RS: 4118.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 4073.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 4027.5* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 3982.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 3936.5* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 3891 Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 3443 Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 3300 Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 3057 Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 2930 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 2688 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 2449 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 2196 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 2171.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 2146.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 2121.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 2096.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 2071.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 2046.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 2021.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1996.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the

computed water surface.
River: SQUAW CREEK Reach: SC RS: 1971.* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1946 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1941.04* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1936.09* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1931.14* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1926.19* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1921.24* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1916.29* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1911.34* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1906.39* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1901.44* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1896.49* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1891.54* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1886.59* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1881.64* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1876.69* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1871.74* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1866.79* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1861.83* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1856.88* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1851.93* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the

computed water surface.
River: SQUAW CREEK Reach: SC RS: 1846.98* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1842.03* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1837.08* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1832.13* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1827.18* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1822.23* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1817.28* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1812.33* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1807.38* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1802.43* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1797.48* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1792.53* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1787.58* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1782.63* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1777.67* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1772.72* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1767.77* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1762.82* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1757.87* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1752.92* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1747.97* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the

computed water surface.
River: SQUAW CREEK Reach: SC RS: 1743.02* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1738.07* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1733.12* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1728.17* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1723.22* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1718.27* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1713.32* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1708.37* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1703.42* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1698.46* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1693.51* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1688.56* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1663.81* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1658.86* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1653.91* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1648.96* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1644.01* Profile: Max WS
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computed water surface.
River: SQUAW CREEK Reach: SC RS: 1639.06* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1634.11* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1629.16* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1624.21* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1619.25* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1614.30* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1609.35* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1604.40* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1594.50* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1554.90* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1549.95* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1545 Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1535.26* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the

computed water surface.
River: SQUAW CREEK Reach: SC RS: 1525.52* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1515.79* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1506.05* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1496.32* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1486.58* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1476.85* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1467.11* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1457.38* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1447.64* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1437.91* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1428.17* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1418.44* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1408.70* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1398.97* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1389.23* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1379.5* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1369.76* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1360.02* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1350.29* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1340.55* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1330.82* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the

computed water surface.
River: SQUAW CREEK Reach: SC RS: 1321.08* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1311.35* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1301.61* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1291.88* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1282.14* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1272.41* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1262.67* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1252.94* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1243.20* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1233.47* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1223.73* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1214 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1211.05* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1208.11* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1205.17* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1202.23* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1199.29* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1196.35* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
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Warning:The cross-section end points had to be extended vertically for the

computed water surface.
River: SQUAW CREEK Reach: SC RS: 1184.58* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1181.64* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1178.70* Profile: Max WS
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Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1172.82* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1169.88* Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.
River: SQUAW CREEK Reach: SC RS: 1166.94* Profile: Max WS
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River: SQUAW CREEK Reach: SC RS: 1164 Profile: Max WS
Warning:The cross-section end points had to be extended vertically for the computed water surface.